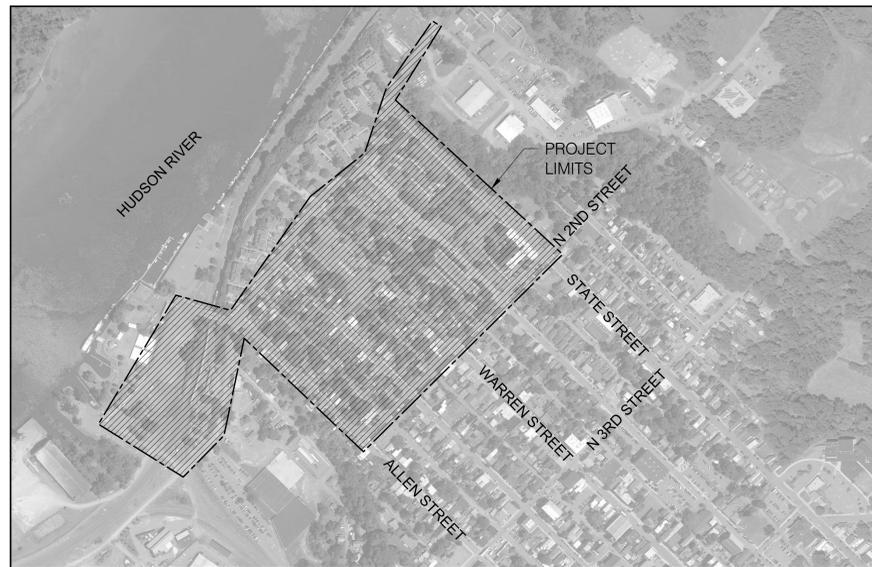


CONSTRUCTION DOCUMENTS FOR: Hudson Streetscape and Pedestrian Improvements

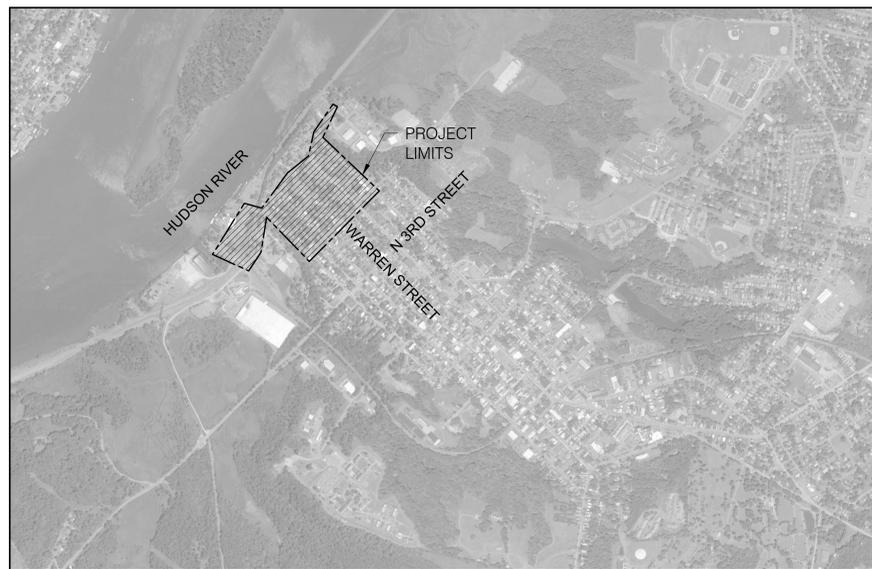
The City of Hudson, New York

June 9, 2023

100% Construction Document Submission



PROJECT LIMITS



SITE LOCATION

* THE CONTRACTOR SHALL CONTACT DIG SAFELY NEW YORK PRIOR TO THE START OF CONSTRUCTION. ALL EXISTING UTILITIES SHALL BE MARKED OUT BY THE RESPECTIVE UTILITY COMPANIES PRIOR TO ANY EXCAVATION WORK.

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L-002	SITE CLEARING PLAN	WZN-01	WORK ZONE TRAFFIC CONTROL NOTES
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L-005	SITE CLEARING PLAN	MSD-01	MISCELLANEOUS DETAILS
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L-008	SITE CLEARING PLAN	GNP-01	GENERAL PLAN
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L-401	ENLARGEMENT PLANS & SECTIONS	UTP-04	UTILITY, DRAINAGE, AND EROSION CONTROL PLAN
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		DRD-01	DRAINAGE DETAILS

Hudson Streetscape and
Pedestrian Improvements
Construction Document Set
Hudson, NY

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Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

arterial

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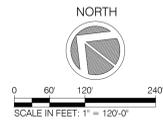
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Issue:	No.	Date	Remarks

Sheet Title: COVER SHEET	
Drawn By: FT, LS, BP	
Checked By: JR	
Date: 06/09/2022	
Scale:	
Project Number: 02-2021-134.1	Sheet: 01 of 89



NOTE: TOPOGRAPHIC SURVEY IS FOR REFERENCE ONLY AND WAS PROVIDED BY TERRY BOGENDORFF COLLINS LAND SURVEYING PLLC DATED MARCH 9TH, 2022



Hudson Streetscape and Pedestrian Improvements Construction Document Set Hudson, NY

Client:
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Role: (Urban Design + Landscape Architecture)



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Issue:		
No.	Date	Remarks

Sheet Title: TOPOGRAPHIC SURVEY		
Drawn By: TBC	G-001	
Checked By: TBC		
Date: 03/09/2022		
Scale: 1" = 120' - 0"		
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Hudson Streetscape and Pedestrian Improvements Construction Document Set Hudson, NY

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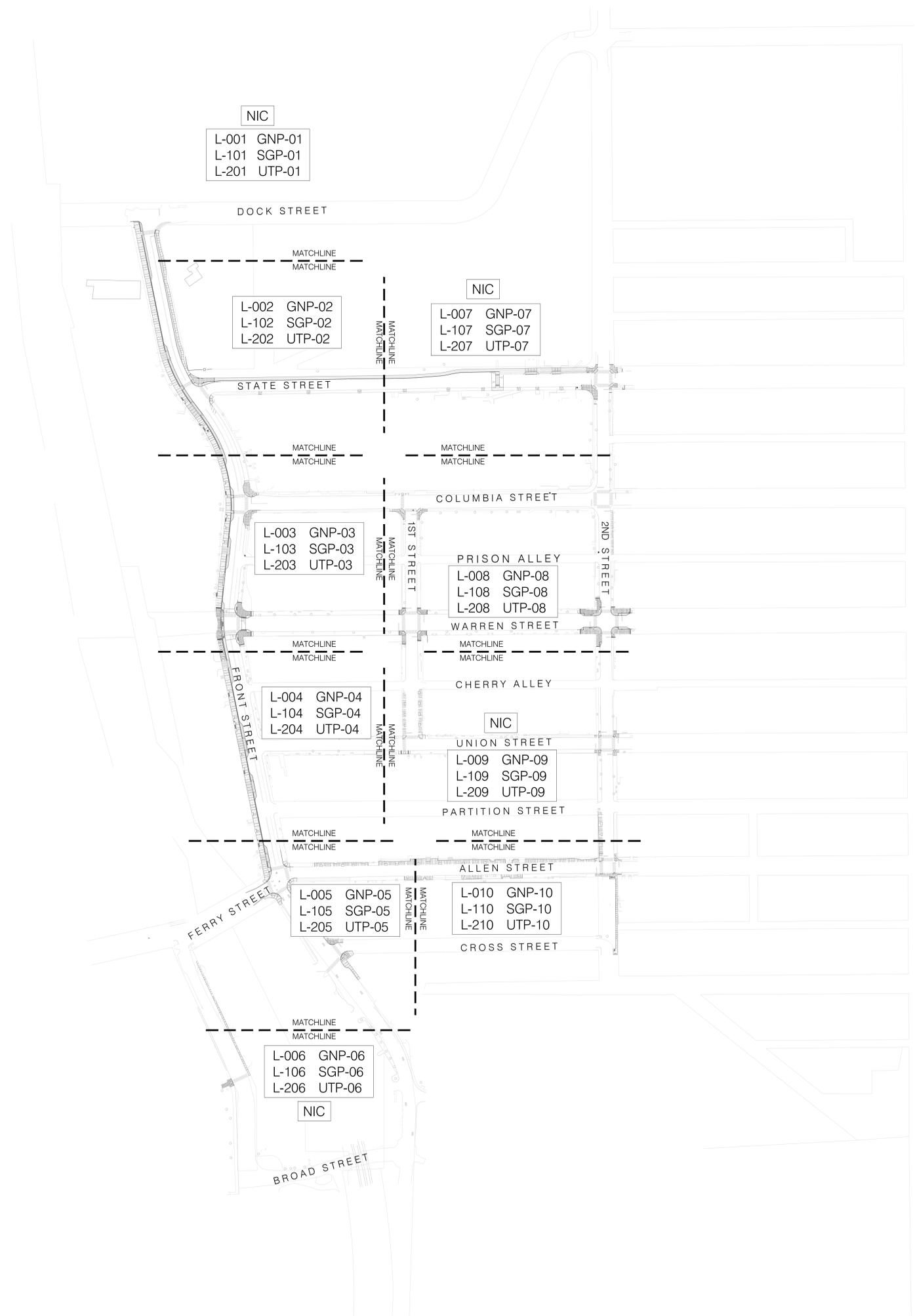
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LEGEND

PROPOSED ELEMENTS

- LIMIT OF DISTURBANCE
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- EXPANSION JOINT
- CONTROL JOINT
- GRANITE SETTS
- GRANITE COBBLES
- LIMESTONE PAVERS
- DETECTABLE WARNING SURFACE
- PLANTING BED
- BENCH TYPE 1
- BENCH TYPE 2
- BENCH TYPE 3
- BENCH TYPE 4
- LIMESTONE SEATING BLOCKS
- BICYCLE RACK
- BOLLARD
- TRASH RECEPTACLE
- BUS SHELTER
- TREE
- SHRUB
- PERRENIALS/GRASSES
- PROTECT EXISTING TREE
- REMOVE EXISTING TREE
- REMOVE ITEM

EXISTING ELEMENTS

- CONTOUR
- SPOT ELEVATION
- HYDRANT UTILITY
- VALVE
- GAS METER
- SIGN
- INLET EXISTING
- TREE
- MANHOLE (M.H.)
- MONITORING
- WELL FENCE
- PROPERTY LINE/ROW LINE
- U.G. STORM U.G.
- SANITARY U.G.
- WATER U.G.
- GAS U.G.
- ELECTRIC U.G.
- FIBER OPTIC U.G.
- OVERHEAD WIRES
- UTILITY POLE
- GUY WIRE
- UTILITY POLE WITH LIGHT
- LIGHT
- FENCE

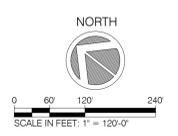
ABBREVIATIONS

- TC TOP OF CURB
- BC BOTTOM OF CURB
- TDC TOP OF DROP CURB
- NO NUMBER
- N.T.S. NOT TO SCALE
- DET. DETAIL
- MAX. MAXIMUM
- TEMP. TEMPORARY
- TYP. TYPICAL
- REF. REFERENCE
- EQ. EQUAL
- DIA. DIAMETER
- DWG. DRAWING
- TW TOP OF WALL
- BW BOTTOM OF WALL
- H.P. HIGH POINT
- L.P. LOW POINT
- CL CENTERLINE
- LA LANDSCAPE ARCHITECT
- F.O.C. FACE OF CURB
- P.T. POINT OF TANGENCY
- P.C. POINT OF CURVATURE
- L LEFT OF STATION LINE
- R RIGHT OF STATION LINE
- C.W. CONCRETE WALK
- S.W. SLATE WALK
- P.W. PAVED WALK
- B.W. BRICK WALK
- E.O.P. EDGE OF PAVEMENT
- L.S.A. LANDSCAPED AREA

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Issue:		
No.	Date	Remarks

KEY PLAN & LEGEND	
Drawn By: FT, LS, BP	G-002
Checked By: JR	
Date: 06/09/2022	Scale: 1" = 120' - 0"
Project Number: 02-2021-134.1	Sheet: 03 of 89



GENERAL NOTES

ALL CONSTRUCTION SHOWN SHOWN HEREIN, UNLESS SPECIFICALLY NOTED OTHERWISE, SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

- 1. CONTRACTOR SHALL PROVIDE CONSTRUCTION SCHEDULE AT THE PRE-CONSTRUCTION MEETING AND UPDATE ACCORDINGLY THROUGHOUT THE DURATION OF THE PROJECT.
2. THE CONTRACTOR SHALL NOTIFY OWNER IN WRITING OF ANY AMBIGUITIES, ERRORS OR OMISSIONS ALONG WITH ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND SPECIFICATIONS BEFORE BIDDING.
3. THE INFORMATION SHOWN CONCERNING THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE.
4. APPROPRIATE CONSTRUCTION SIGNING SHALL BE INSTALLED FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION.
5. THIS PLAN IS A REPRESENTATION OF DESIGN INTENT ONLY AND AS SUCH DENOTES VERTICAL AND HORIZONTAL RELATIONSHIPS, MATERIALS AND FINISHES.
6. THE CONTRACTOR SHALL CONTACT DIG SAFELY NEW YORK PRIOR TO THE START OF CONSTRUCTION.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE.
8. CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR CONSTRUCTION FROM THE APPROPRIATE LOCAL, STATE AND FEDERAL AGENCIES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING OF STORAGE AND STAGING AREAS AT NO ADDITIONAL COST TO THE OWNER.
10. NO HEAVY EQUIPMENT, MACHINERY OR STOCK PILING OF MATERIAL IS PERMITTED WITHIN THE DRIP LINE OF ALL EXISTING TREES THROUGHOUT THE COURSE OF THE CONTRACT.
11. EXISTING TREES SHALL BE PROTECTED WITH TEMPORARY WOODEN TREE GUARDS.
12. ALL UTILITY STRUCTURES INCLUDING, BUT NOT LIMITED TO UTILITY BOXES, OIL FILL CAPS, GAS AND WATER VALVES, BILCO DOORS, ELECTRICAL VAULTS AND ANY OTHER APPURTENANCES WITHIN THE PROPOSED SIDEWALK RECONSTRUCTION AREAS SHALL BE RESET TO CONFORM TO THE PROPOSED FINISHED GRADE AND BE INCLUDED IN THE COST OF THE SIDEWALK.
13. IF APPLICABLE, THE CONTRACTOR MUST PROVIDE A PORTABLE RESTROOM UNIT FOR THE DURATION OF THE PROJECT IN A LOCATION APPROVED BY THE OWNER.
14. CONTRACTOR IS RESPONSIBLE FOR SURVEYING AND STAKING ALL PROPOSED ELEMENTS AT NO ADDITIONAL COST TO THE OWNER.
15. CONTRACTOR SHALL HAVE A LICENSED SURVEYOR RESPONSIBLE FOR VERIFYING EXISTING SITE CONDITIONS AND NOTING ANY DISCREPANCIES BETWEEN SITE FIELD CONDITIONS AND STAKING PLAN PRIOR TO CONSTRUCTION.
16. CONTRACTOR SHALL LEAVE THE SITE EACH DAY IN AN ORDERLY FASHION AND SHOULD REMOVE ALL LITTER, REFUSE, DEBRIS AND HAZARDOUS MATERIALS FROM THE SITE DAILY.
17. IN ADDITION, EACH FRIDAY AFTERNOON, AND MORE OFTEN IF NECESSARY, THE CONTRACTOR SHALL PERFORM AN OVERALL CLEANUP OF THE PROJECT.
18. CONTRACTOR SHALL BE REQUIRED TO SAFELY SECURE THE SITE THROUGHOUT THE DURATION OF CONSTRUCTION AND FINAL APPROVAL.
19. ALL DISTURBED SHRUBS, FENCING, SIGNS, MAIL BOXES, DRIVES, ETC. SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.
20. CONTRACTOR IS RESPONSIBLE FOR POWER AND WATER NEEDED DURING CONSTRUCTION.
21. BIDS THAT TAKE ADVANTAGE OF ANY ERRORS AND/OR OMISSIONS IN THE CONTRACT DRAWINGS OR DISCREPANCIES WITH THE SPECIAL PROVISIONS WILL NOT BE ACCEPTED.

PAVEMENT NOTES

- 1. ALL NEW CURBS AND PAVEMENTS SHALL MEET EXISTING CURBS & PAVEMENTS SMOOTH AND FLUSH CONDITION.
2. NEW CURBS, WALLS, AND PAVEMENTS SHALL BE BUILT TO A SMOOTH EVEN FINISH WITH A CONSISTENT TOP AND PROFILE WITHOUT WAVES OR IRREGULARITIES. ANY

PORTIONS THAT ARE CURVED OR ON A RADIUS SHALL BE SMOOTH AND CONSISTENT. ANY WORK NOT MEETING THIS QUALITY STANDARD SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

- 3. IF REMOVED TO NEAREST JOINT, NEW PAVING TO BE PLACED APPROXIMATELY AT CONSTRUCTION LIMITS (REFER TO CONSTRUCTION PLANS) AND ANY AREAS IN BETWEEN TO BE FILLED WITH STANDARD CONCRETE.
4. ALL SIDEWALKS SHALL HAVE A RUNNING SLOPE OF NO GREATER THAN 5% AND A CROSS SLOPE NO GREATER THAN 2% (PER ADAAG) UNLESS NOTED OTHERWISE ON GRADING PLAN.
5. ALL SIDEWALKS SHALL SLOPE AT A MINIMUM OF 1% AWAY FROM BUILDINGS TO AVOID PUDDLING AND MOVE WATER TO DRAINS.
6. ALL FORMWORK ASSOCIATED WITH CONCRETE WORK SHALL BE PROPERLY SUPPORTED ALONG WITH MATERIAL SELECTION TO ENSURE THE DESIRED RESULT IS ACHIEVED (STRAIGHT, CURVED, ETC.).
7. CARE SHOULD BE TAKEN NOT TO PLACE ANYTHING OTHER THAN CURING MATERIALS IF CALLED FOR ON CONCRETE SURFACES 24 HOURS AFTER PLACING THE CONCRETE.
8. WHEREVER WIRE MESH IS USED IN REINFORCING THE CONCRETE, SPECIAL ATTENTION SHALL BE GIVEN TO ASSURE THE WIRE MESH IS INSTALLED IN THE MIDDLE/CENTER OF THE THICKNESS OF THE CONCRETE.
9. PAVERS SHALL BE LAID FLAT AND SMOOTH WITHOUT ANY EXPOSED EDGES, LIPS OR OTHER UNEVEN SURFACES.
10. IF THE DRAWINGS/PLANS/DETAILS CALL FOR PAVING PATTERNS, THE CONTRACTOR SHALL PREPARE A MINIMAL 5 FOOT BY 5 FOOT MOCK-UP ON SITE FOR OWNER REVIEW AND APPROVAL.
11. ALL CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT ADAAG AND AS OUTLINED IN PROWAG WHERE APPLICABLE.
12. SPECIAL CARE SHOULD BE TAKEN TO ENSURE THAT CURB RAMPS ARE NOT LOCATED AT LOW POINTS.
13. CURB RAMPS AND SIDEWALKS THAT ARE NOT CONSTRUCTED IN COMPLIANCE WITH ADA ACCESSIBILITY REQUIREMENTS INCLUDING MAXIMUM RUNNING SLOPES, MAXIMUM CROSS SLOPES, LANDING AREA LOCATION AND SIZE, DIVERGING SIDEWALK DROP OFF PROTECTION, BLENDED TRANSITIONS, BLENDED TRANSITION RUNNING SLOPES AND CROSS SLOPES, FLARE WIDTHS, GRADE BREAKS AND GRADE BREAK DIRECTIONS, CLEAR SPACE SIZE AND LOCATION, WILL NOT BE ACCEPTED WHERE APPLICABLE.
14. ALL MINIMUM AND MAXIMUM DIMENSIONS CONTAINED IN THE CONTRACT DRAWINGS ARE ABSOLUTE.
15. INITIALLY, THE CONTRACTOR SHALL LAYOUT ALL FURNISHINGS WITHOUT ANCHORING ACCORDING TO THE PLANS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS OR MARKERS DURING CONSTRUCTION.
17. PRIOR TO BIDDING, THE CONTRACTOR SHALL VERIFY WITH THE OWNER THE EXTENT OF REMOVAL OF ALL SITE ELEMENTS.
18. ALL UTILITIES EITHER UNKNOWN PRIOR TO CONSTRUCTION AND FOUND DURING DEMOLITION OR NOT CLEARLY SHOWN IN THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED TO THE OWNER PRIOR TO REMOVAL OR RELOCATION.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION THROUGHOUT THE DURATION OF THE PROJECT WITH THE APPROPRIATE UTILITY COMPANIES.
20. ALL STREET LIGHTS WITHIN THE PROJECT AREA MAY BE OWNED AND OPERATED BY THE LOCAL UTILITY COMPANY.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ANY EXCESS MATERIALS EXCAVATED OF WHATEVER NATURE.
22. ALL SIDEWALKS, CURBS, WALLS, PAVEMENT, FLATWORK AND MISCELLANEOUS DEBRIS SHALL BE REMOVED FROM THE SITE AND BECOME THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE NOTED.
23. CLEARING SITE SHALL INCLUDE BUT NOT LIMITED TO REMOVAL AND PROPER DISPOSAL OF EXISTING CURBS, SIDEWALKS, SLABS, CONCRETE, CONCRETE UNDER ROADBED, ASPHALT AND GRAVEL, VEGETATION INCLUDING TREE STUMPS, FENCES, FOOTINGS, AND PLANTERS AS INDICATED OR AS DIRECTED BY OWNER IN

CURB RAMP NOTES

- 1. ALL CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT ADAAG AND AS OUTLINED IN PROWAG WHERE APPLICABLE.
2. SPECIAL CARE SHOULD BE TAKEN TO ENSURE THAT CURB RAMPS ARE NOT LOCATED AT LOW POINTS.
3. CURB RAMPS AND SIDEWALKS THAT ARE NOT CONSTRUCTED IN COMPLIANCE WITH ADA ACCESSIBILITY REQUIREMENTS INCLUDING MAXIMUM RUNNING SLOPES, MAXIMUM CROSS SLOPES, LANDING AREA LOCATION AND SIZE, DIVERGING SIDEWALK DROP OFF PROTECTION, BLENDED TRANSITIONS, BLENDED TRANSITION RUNNING SLOPES AND CROSS SLOPES, FLARE WIDTHS, GRADE BREAKS AND GRADE BREAK DIRECTIONS, CLEAR SPACE SIZE AND LOCATION, WILL NOT BE ACCEPTED WHERE APPLICABLE.
4. ALL MINIMUM AND MAXIMUM DIMENSIONS CONTAINED IN THE CONTRACT DRAWINGS ARE ABSOLUTE.

FURNISHING NOTES

- 1. INITIALLY, THE CONTRACTOR SHALL LAYOUT ALL FURNISHINGS WITHOUT ANCHORING ACCORDING TO THE PLANS. ALL LOCATIONS SHALL BE INSPECTED, ADJUSTED AND APPROVED IN THE FIELD BY THE OWNER PRIOR TO THE ANCHORING OF THE FURNISHINGS.

SITE CLEARING NOTES

- 1. THE CONTRACTOR SHALL CONTACT DIG SAFELY NEW YORK PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS OR MARKERS DURING CONSTRUCTION.
3. PRIOR TO BIDDING, THE CONTRACTOR SHALL VERIFY WITH THE OWNER THE EXTENT OF REMOVAL OF ALL SITE ELEMENTS.
4. ALL UTILITIES EITHER UNKNOWN PRIOR TO CONSTRUCTION AND FOUND DURING DEMOLITION OR NOT CLEARLY SHOWN IN THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED TO THE OWNER PRIOR TO REMOVAL OR RELOCATION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION THROUGHOUT THE DURATION OF THE PROJECT WITH THE APPROPRIATE UTILITY COMPANIES.
6. ALL STREET LIGHTS WITHIN THE PROJECT AREA MAY BE OWNED AND OPERATED BY THE LOCAL UTILITY COMPANY.
7. ANY DAMAGE TO UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY UNDERGROUND FUEL TANKS DISCOVERED DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ANY EXCESS MATERIALS EXCAVATED OF WHATEVER NATURE.
10. ALL SIDEWALKS, CURBS, WALLS, PAVEMENT, FLATWORK AND MISCELLANEOUS DEBRIS SHALL BE REMOVED FROM THE SITE AND BECOME THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE NOTED.
11. CLEARING SITE SHALL INCLUDE BUT NOT LIMITED TO REMOVAL AND PROPER DISPOSAL OF EXISTING CURBS, SIDEWALKS, SLABS, CONCRETE, CONCRETE UNDER ROADBED, ASPHALT AND GRAVEL, VEGETATION INCLUDING TREE STUMPS, FENCES, FOOTINGS, AND PLANTERS AS INDICATED OR AS DIRECTED BY OWNER IN

THE FIELD. THIS SHALL ALSO INCLUDE THE PROTECTION AND RESETING OF ALL SIGNS, SIGN POSTS, UTILITY LINES, UTILITY COVERS AND CLEAN OUTS AS DENOTED ON THE PLANS OR DIRECTED BY THE OWNER.

12. THE CONTRACTOR SHALL EXERCISE CARE DURING EXCAVATION OPERATIONS TO AVOID DISTURBING ADJACENT FACILITIES, SUB GRADE STRUCTURES AND TREES. ALL DAMAGE RESULTING FROM THE CONSTRUCTION SHALL BE THE CONTRACTORS RESPONSIBILITY AND SHALL BE REPAIRED AT NO EXPENSE TO THE OWNER.

13. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS WHEN REMOVING CONCRETE ALONG BUILDING FACADES AS TO NOT DISTURB OR DAMAGE THE EXISTING FAÇADE, ADJACENT FACILITIES OR SUB GRADE STRUCTURES. THE CONTRACTOR HAS THE OPTION, IF APPROVED BY THE OWNER, TO SAW CUT UP TO 6" FROM THE EXISTING FAÇADE AS NEEDED TO AVOID DAMAGE AT NO ADDITIONAL COST TO THE OWNER.

14. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING, LOCATING AND PROTECTING ALL BASEMENT VAULTS.

15. IF PARKING METERS ARE PRESENT, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO REMOVAL. THE OWNER WILL REMOVE ALL METER HEADS AND THE CONTRACTOR IS RESPONSIBLE FOR REMOVING POST, FOOTING, AND OTHER ELEMENTS.

16. CONTRACTOR SHALL TAKE CARE TO PROTECT FROM CONSTRUCTION ALL EXISTING TREES, STRUCTURES UNDER/ABOVE GROUND SURFACE THAT ARE TO REMAIN. ANY DAMAGE DONE TO THESE DURING CONSTRUCTION MUST BE REPLACED AT CONTRACTORS OWN COST WITHIN THE CONSTRUCTION PERIOD.

17. CONTRACTOR SHALL MEET ON SITE WITH A CERTIFIED ARBORIST AND THE OWNERS REPRESENTATIVE TO VERIFY THE RELOCATION OR REMOVAL OF ANY UNDERGROUND UTILITIES, DRAINAGE STRUCTURES, CONCRETE AND ASPHALT ROADS AND WALKS WITHIN TREE PRESERVATION AREAS PRIOR TO ANY LAND DISTURBANCE.

18. ALL CONSTRUCTION DRIVEWAYS SHALL BE STABILIZED WITH A GRAVEL TRACKING BED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL PLAN.

19. CONSTRUCTION FENCING IS TO BE STAKED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE FENCE DURING THE DURATION OF THIS CONTRACT.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND PRESERVATION OF ALL EXISTING TREES NOT LISTED FOR REMOVAL THAT ARE LOCATED COMPLETELY OR PARTIALLY WITHIN THE CONTRACT LIMIT LINE.

21. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT THE ROOT SYSTEMS OF EXISTING TREES. MATERIAL, EQUIPMENT, OR VEHICLES SHALL NOT BE STOCKPILED OR PARKED WITHIN THE DRIPLINE OF ANY TREE COMPLETELY OR PARTIALLY WITHIN THE CONTRACT LIMIT LINE TO MINIMIZE SURFACE AND SUBSURFACE ROOT AND SOIL COMPACTION. IF STOCKPILING OCCURS WITHIN THE DRIPLINE, A STOP WORK ORDER SHALL BE ISSUED IMMEDIATELY, AND WORK SHALL NOT RE-COMMENCE UNTIL ALL STOCKPILED MATERIAL IS REMOVED FROM THE DRIPLINE.

22. TEMPORARY TREE PROTECTION SHALL BE MAINTAINED FOR THE DURATION OF THE CONTRACT.

23. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN REMOVING PAVEMENT WITHIN THE DRIPLINE OF EXISTING TREES - LIFTING RATHER THAN DRAGGING PIECES OF PAVING.

24. ALL EXCAVATION AND PLANT INSTALLATION WITHIN THE DRIPLINE SHALL BE PERFORMED BY HAND OR PNEUMATICALLY, WITH MINIMAL SOIL DISTURBANCE. PLANTS SHALL NOT BE PLACED WITHIN THREE (3) FEET OF THE TREE TRUNK UNLESS APPROVED.

25. ANY DAMAGE TO EXISTING TREES DURING CONSTRUCTION SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL MITIGATE SUCH DAMAGE AT THE OWN CONTRACTORS EXPENSE.

LAYOUT AND MATERIALS NOTES

- 1. CONTRACTOR SHALL HAVE LICENSED SURVEYOR LAYOUT AND STAKE IN THE FIELD THE ALIGNMENT OF ALL CURBS, PAVEMENTS, LANDSCAPE ELEMENTS AND OTHER IMPROVEMENTS FOR REVIEW BY THE OWNER.
2. NO CHANGES SHALL BE MADE TO THE DESIGN OR LAYOUT WITHOUT THE WRITTEN APPROVAL OF THE OWNER.
3. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXISTS THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN.
4. PLANTING NOTES
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION THROUGHOUT THE DURATION OF THE PROJECT WITH THE APPROPRIATE UTILITY COMPANIES.
6. ALL STREET LIGHTS WITHIN THE PROJECT AREA MAY BE OWNED AND OPERATED BY THE LOCAL UTILITY COMPANY.
7. ANY DAMAGE TO UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY UNDERGROUND FUEL TANKS DISCOVERED DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ANY EXCESS MATERIALS EXCAVATED OF WHATEVER NATURE.
10. ALL SIDEWALKS, CURBS, WALLS, PAVEMENT, FLATWORK AND MISCELLANEOUS DEBRIS SHALL BE REMOVED FROM THE SITE AND BECOME THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE NOTED.
11. CLEARING SITE SHALL INCLUDE BUT NOT LIMITED TO REMOVAL AND PROPER DISPOSAL OF EXISTING CURBS, SIDEWALKS, SLABS, CONCRETE, CONCRETE UNDER ROADBED, ASPHALT AND GRAVEL, VEGETATION INCLUDING TREE STUMPS, FENCES, FOOTINGS, AND PLANTERS AS INDICATED OR AS DIRECTED BY OWNER IN

PLANTING NOTES

- 1. DO NOT WILLFULLY PROCEED WITH PLANTING OPERATIONS AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING THE DESIGN PROCESS.
2. IT IS ASSUMED THAT THE NURSERY SHALL SHOW THE LANDSCAPE ARCHITECT THE PLANTS AS LISTED IN THE PLANT SCHEDULE.
3. TURF SOIL: BASE LOAM, SAND AND COMPOST.
4. THE SUBGRADE SHALL BE EXAMINED BY THE CONTRACTOR PRIOR TO THE START OF SUBGRADE PREPARATION.
5. DO NOT PROCEED WITH THE INSTALLATION OF PLANTING SOIL UNTIL ALL UTILITY WORK IN THE AREA HAS BEEN INSTALLED.
6. THERE WILL BE NO SUBSTITUTIONS OF PLANT MATERIAL WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.
7. ALL PLANTS IN THE SAME PLANTING BED SHALL BE PLANTED AT THE SAME TIME.
8. IF CONFLICTS ARISE BETWEEN THE ACTUAL SIZE OF PLANTING AREAS ON THE SITE AND THE DRAWINGS, CONTACT THE LANDSCAPE ARCHITECT FOR RESOLUTION.
9. GROUNDCOVERS AND SHRUBS ARE TO BE TRIANGULARLY SPACED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
10. IT IS THE CONTRACTORS RESPONSIBILITY TO FURNISH PLANT MATERIAL FREE OF PESTS OR PLANT DISEASES.
11. THE ACTUAL LOCATION OF PLANT MATERIAL MAY VARY DUE TO FIELD CONDITIONS.
12. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE 24-HOUR PERIOD AFTER PLANTING.
13. ANY PLANT DEEMED NOT AVAILABLE BY THE CONTRACTOR SHALL BE NOTED IN THE BID AS A CONDITION OF BID.
14. CONTRACTOR SHALL SUBMIT A SOIL TEST WITH RECOMMENDED AMENDMENTS.
15. AS BEST MANAGEMENT PRACTICES, THE CONTRACTOR SHALL FOLLOW ALL ASTM STANDARDS APPLICABLE TO SOIL AND PLANTING METHODS.
16. AT LEAST 30 DAYS PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL SUBMIT SAMPLES, CERTIFICATIONS, MANUFACTURERS PRODUCT DATA AND CERTIFIED TEST RESULTS.
17. SOILS SHALL NOT BE HANDLED, HAULED, OR PLACED WHEN WET.
18. BASE LOAM SHALL BE A NATURALLY OCCURRING HORIZON A SOIL WITH A DEVELOPED STABLE CRUMBS STRUCTURE.
19. COMPOST (ORGANIC MATERIAL) FOR AMENDING PLANTING SOIL BLENDS.
20. SAND FOR SOIL BLENDS AND DRAINAGE LAYER SHALL BE UNIFORMLY GRADED MEDIUM TO COARSE SAND.
21. PLANTING BED SOIL: BASE LOAM, SAND AND COMPOST.
22. TURF SOIL: BASE LOAM, SAND AND COMPOST.
23. THE SUBGRADE SHALL BE EXAMINED BY THE CONTRACTOR PRIOR TO THE START OF SUBGRADE PREPARATION.
24. DO NOT PROCEED WITH THE INSTALLATION OF PLANTING SOIL UNTIL ALL UTILITY WORK IN THE AREA HAS BEEN INSTALLED.

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SOIL NOTES

- 1. AS BEST MANAGEMENT PRACTICES, THE CONTRACTOR SHALL FOLLOW ALL ASTM STANDARDS APPLICABLE TO SOIL AND PLANTING METHODS.
2. AT LEAST 30 DAYS PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL SUBMIT SAMPLES, CERTIFICATIONS, MANUFACTURERS PRODUCT DATA AND CERTIFIED TEST RESULTS.
3. WORK OF PLANTING SOIL INSTALLATION SHALL BE PERFORMED WITH PERSONNEL FAMILIAR AND EXPERIENCED WITH SOIL PREPARATION AND RELATED REQUIREMENTS.
4. THE CONTRACTOR SHALL SUBMIT QUALIFICATIONS OF CONTRACTOR'S AGRICULTURAL CHEMIST / TESTING LABORATORY / AGENCY PRIOR TO START OF PROCEDURE.
5. SOILS SHALL NOT BE HANDLED, HAULED, OR PLACED WHEN WET.
6. SOIL THAT IS TO BE STOCKPILED LONGER THAN TWO WEEKS.
7. BASE LOAM SHALL BE A NATURALLY OCCURRING HORIZON A SOIL WITH A DEVELOPED STABLE CRUMBS STRUCTURE.
8. COMPOST (ORGANIC MATERIAL) FOR AMENDING PLANTING SOIL BLENDS.
9. SAND FOR SOIL BLENDS AND DRAINAGE LAYER SHALL BE UNIFORMLY GRADED MEDIUM TO COARSE SAND.
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Hudson Streetscape and Pedestrian Improvements Construction Document Set Hudson, NY

Client: City of Hudson 520 Warren Street Hudson, NY 12534 Tel (518) 828-1030 Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)



Street Design Studio 520 Bloomfield Avenue, 2nd floor Montclair, New Jersey 07042 USA

www.arterialstreets.com Tel / Fax 973 320 9123 info@arterialstreets.com

Consultant: Creighton Manning Engineering 2 Winners Circle, Suite 201 Albany, NY 12205 Tel 518.446.0396 website http://www.cmellp.com/

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Table with 3 columns: No., Date, Remarks. Contains empty rows for notes.

Table with 2 columns: Project Number (02-2021-134.1) and Sheet (04 of 89). Includes title 'GENERAL NOTES' and drawing ID 'G-003'.

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY

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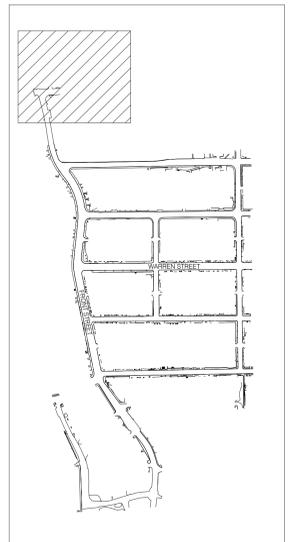
Consultant:
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Albany, NY 12205
Tel 518.446.0396
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LEGEND

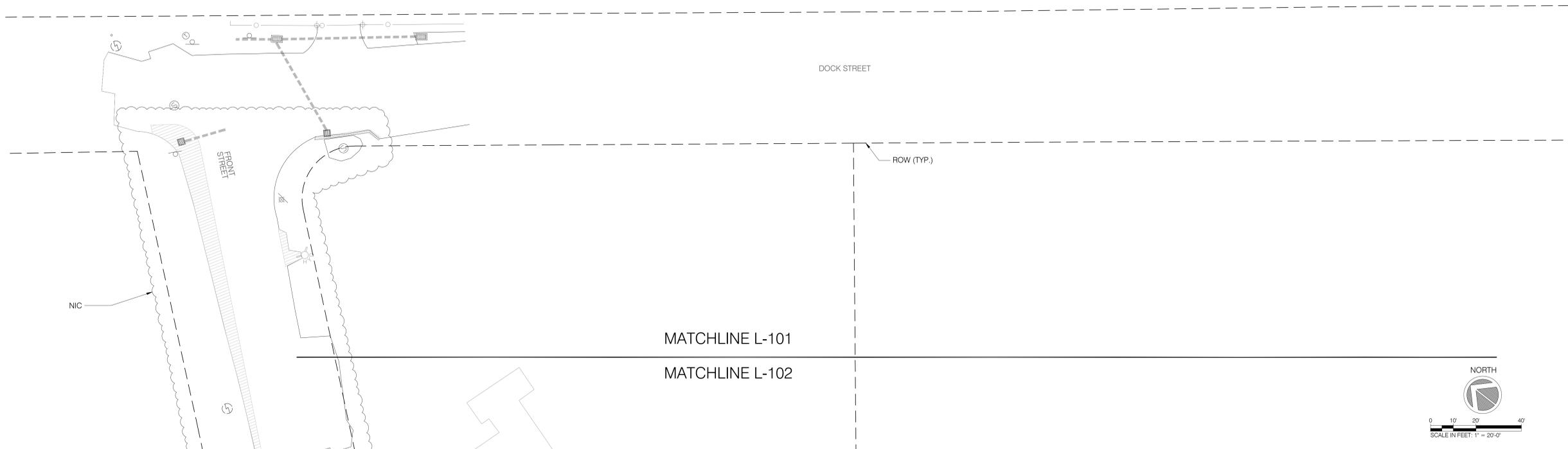
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-  CONCRETE PAVEMENT REMOVAL
-  MILL ASPHALT PAVEMENT
-  PAVER REMOVAL
-  ITEM REMOVAL

NOTES:

- REFER TO CIVIL DRAWINGS FOR EXISTING, PROPOSED, AND RELOCATED UTILITY STRUCTURES



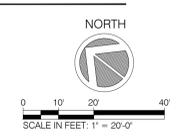
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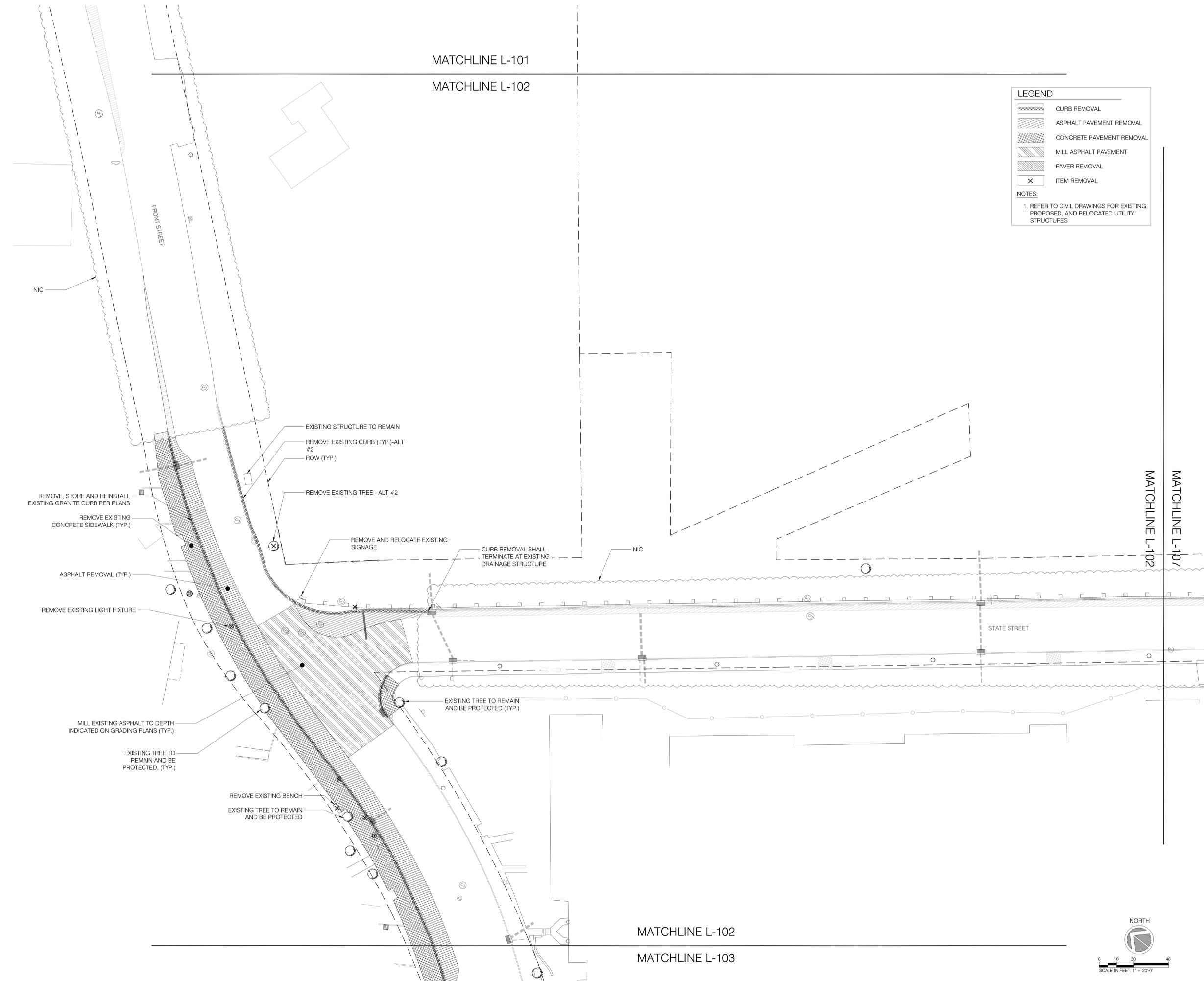


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No.	Date	Remarks

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Checked By:	JR	
Date:	06/09/2022	
Scale:	1" = 20' - 0"	
Project Number:	02-2021-134.1	Sheet: 05 of 89



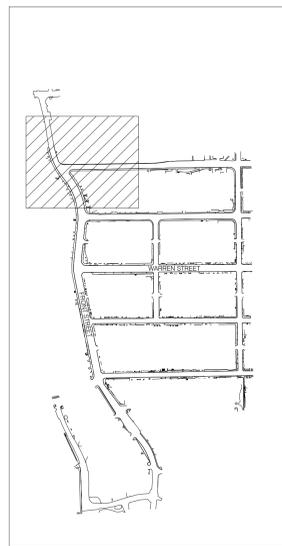


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- PAVER REMOVAL
- ITEM REMOVAL

NOTES:

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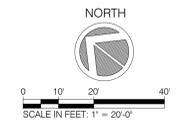
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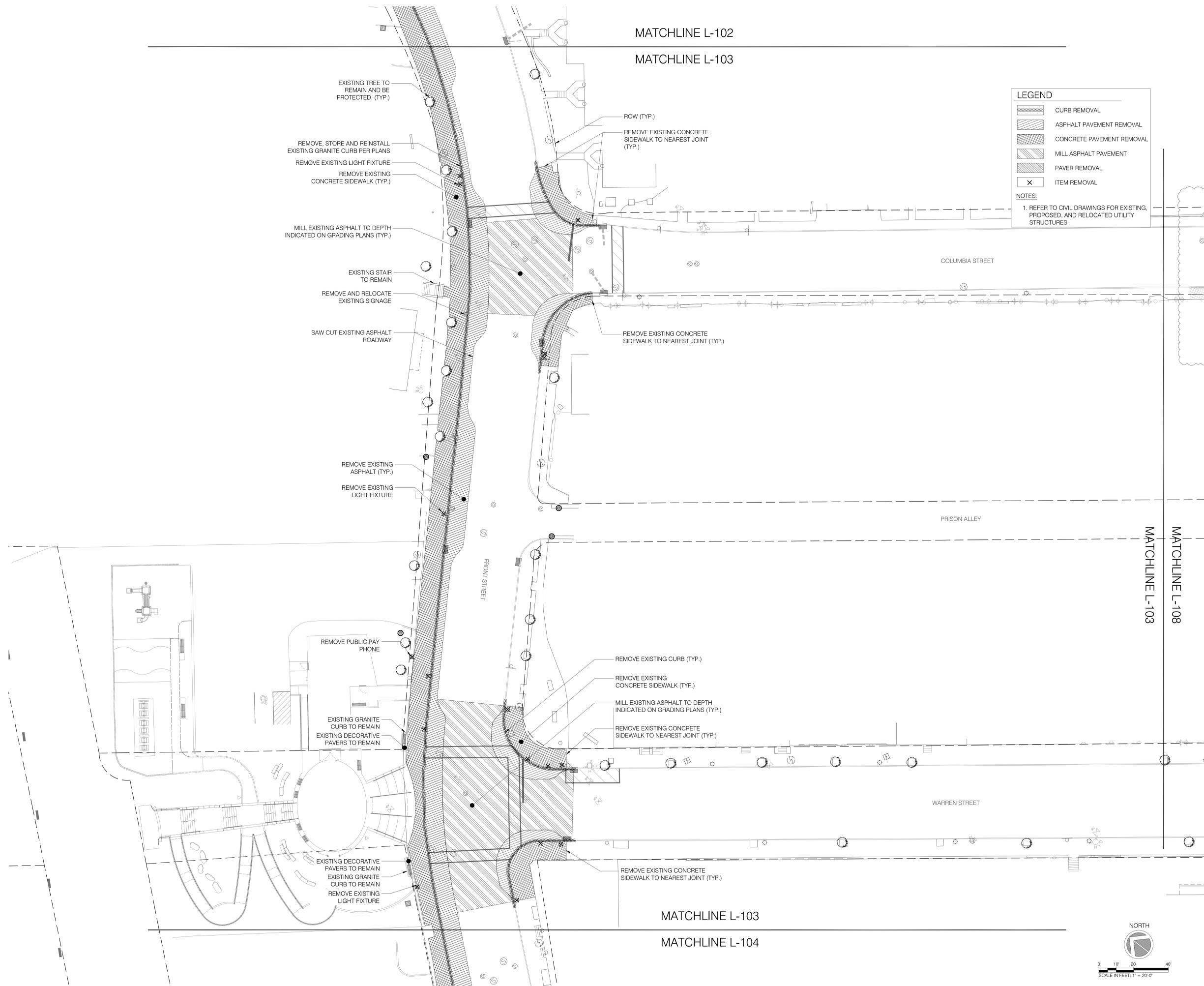
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No.	Date	Remarks

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Drawn By: FT, LS, BP	L-002
Checked By: JR	
Date: 06/09/2022	
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Project Number: 02-2021-134.1	Sheet: 06 of 89



MATCHLINE L-102
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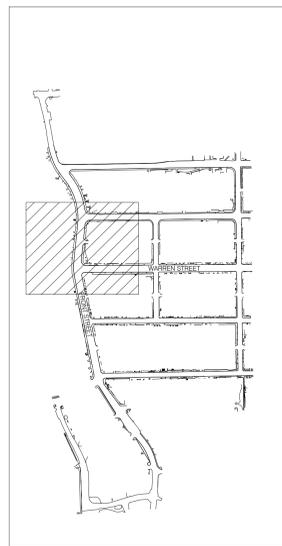


LEGEND

- CURB REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- MILL ASPHALT PAVEMENT
- PAVER REMOVAL
- ITEM REMOVAL

NOTES:

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KEY PLAN

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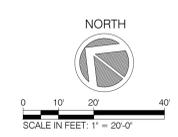
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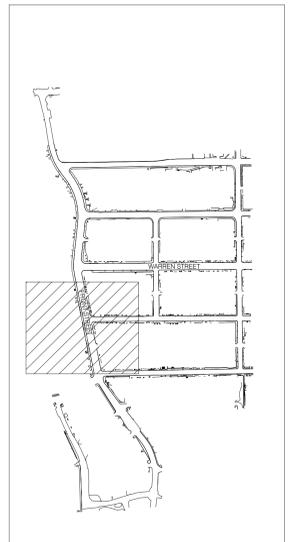
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SITE CLEARING PLAN

Drawn By: FT, LS, BP	L-003
Checked By: JR	
Date: 06/09/2022	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 07 of 89



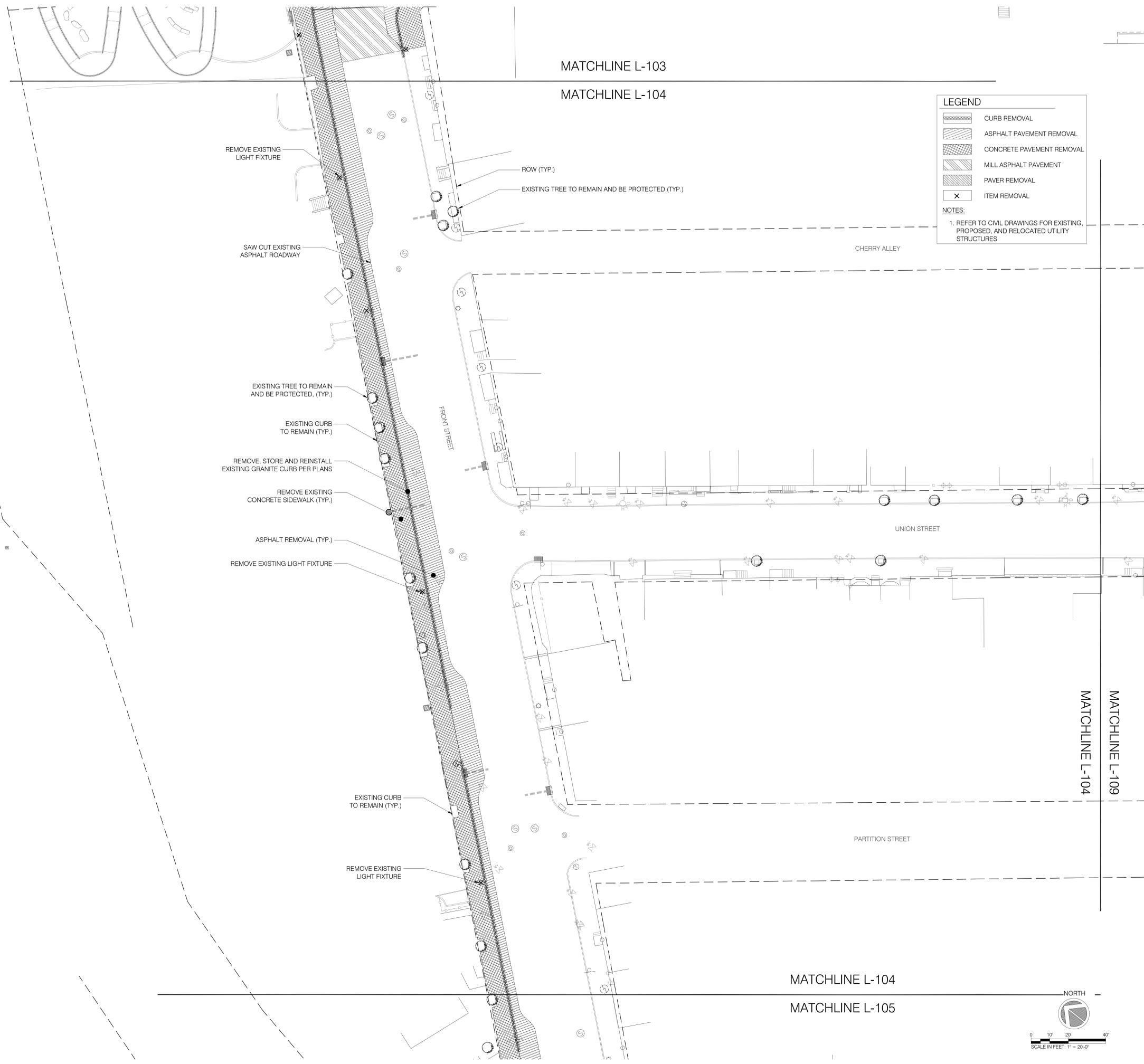


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Date: 06/09/2022	
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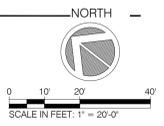


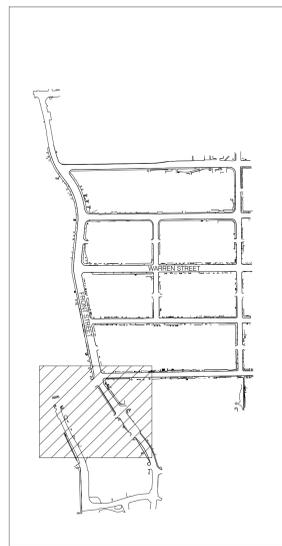
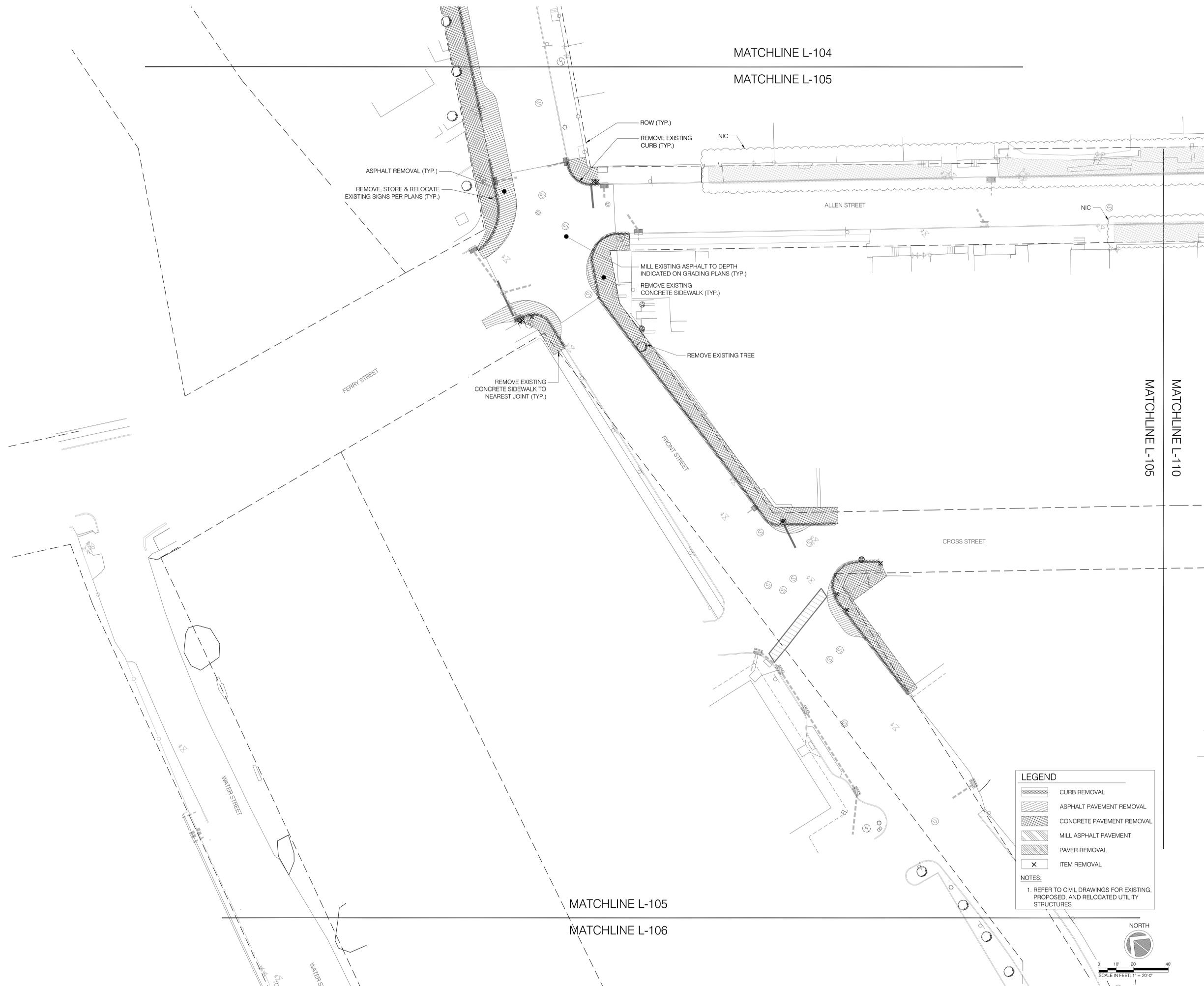
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- CONCRETE PAVEMENT REMOVAL
- MILL ASPHALT PAVEMENT
- PAVER REMOVAL
- ITEM REMOVAL

NOTES:

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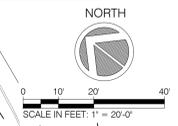


KEY PLAN

LEGEND

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- CONCRETE PAVEMENT REMOVAL
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- ITEM REMOVAL

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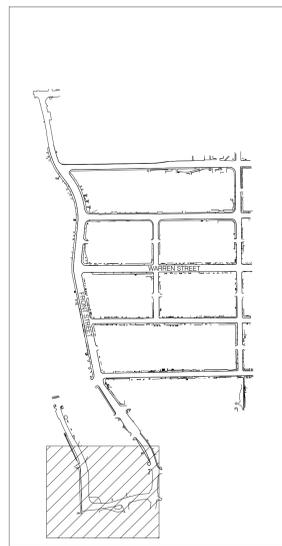
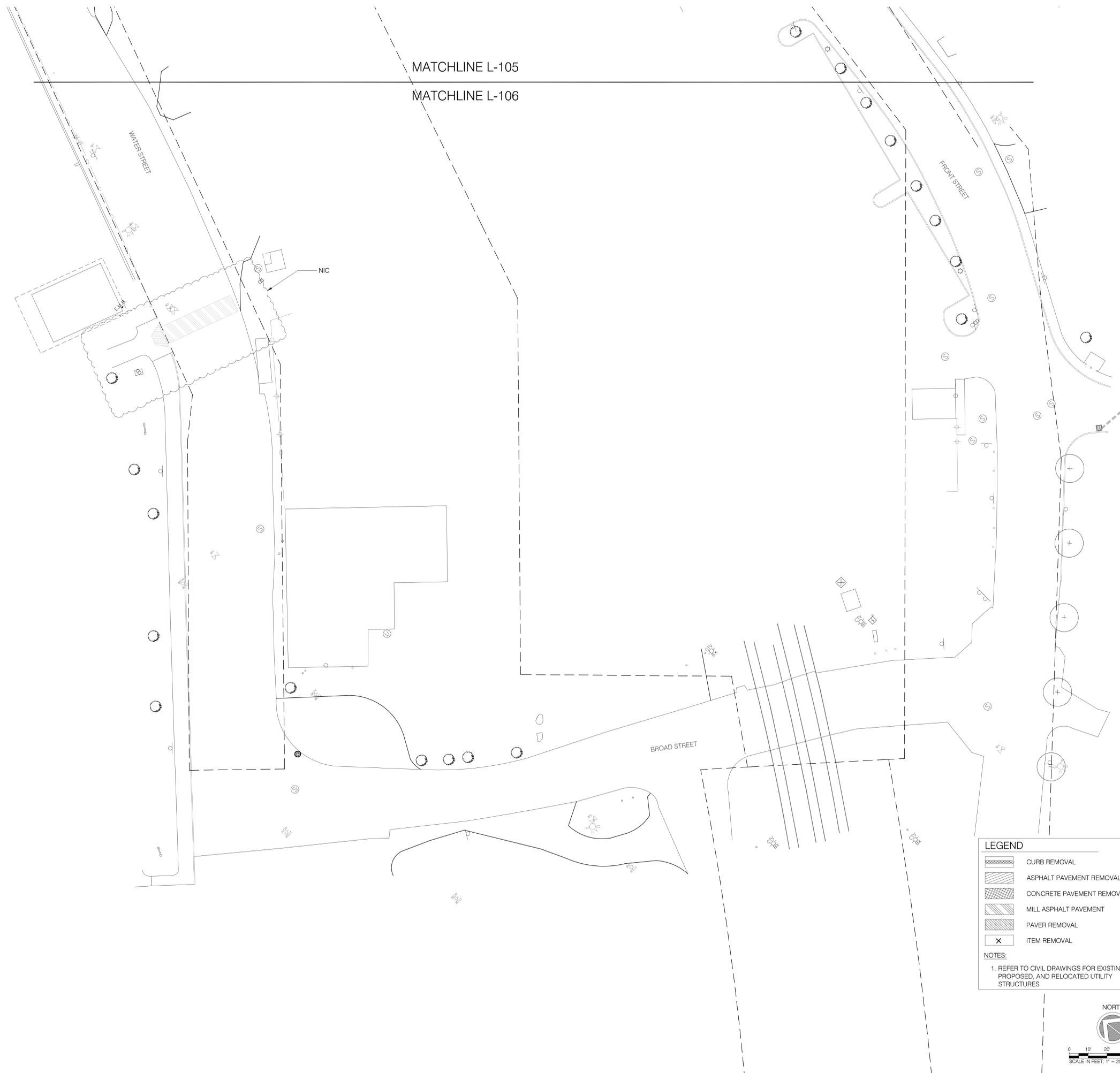
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Issue:

No.	Date	Remarks

Sheet Title:
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Checked By: JR	
Date: 06/09/2022	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 09 of 89

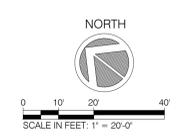


KEY PLAN

LEGEND

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- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- MILL ASPHALT PAVEMENT
- PAVER REMOVAL
- ITEM REMOVAL

NOTES:
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Issue:

No.	Date	Remarks

Sheet Title:

SITE CLEARING PLAN

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Checked By: JR	
Date: 06/09/2022	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 10 of 89

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY

Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
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Role: (Urban Design + Landscape Architecture)



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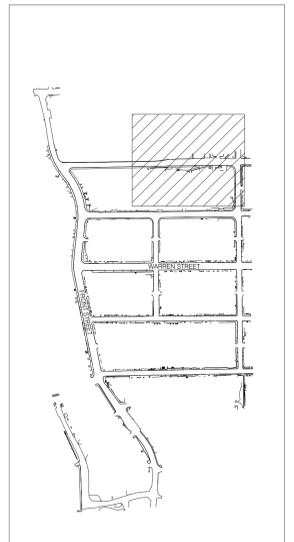
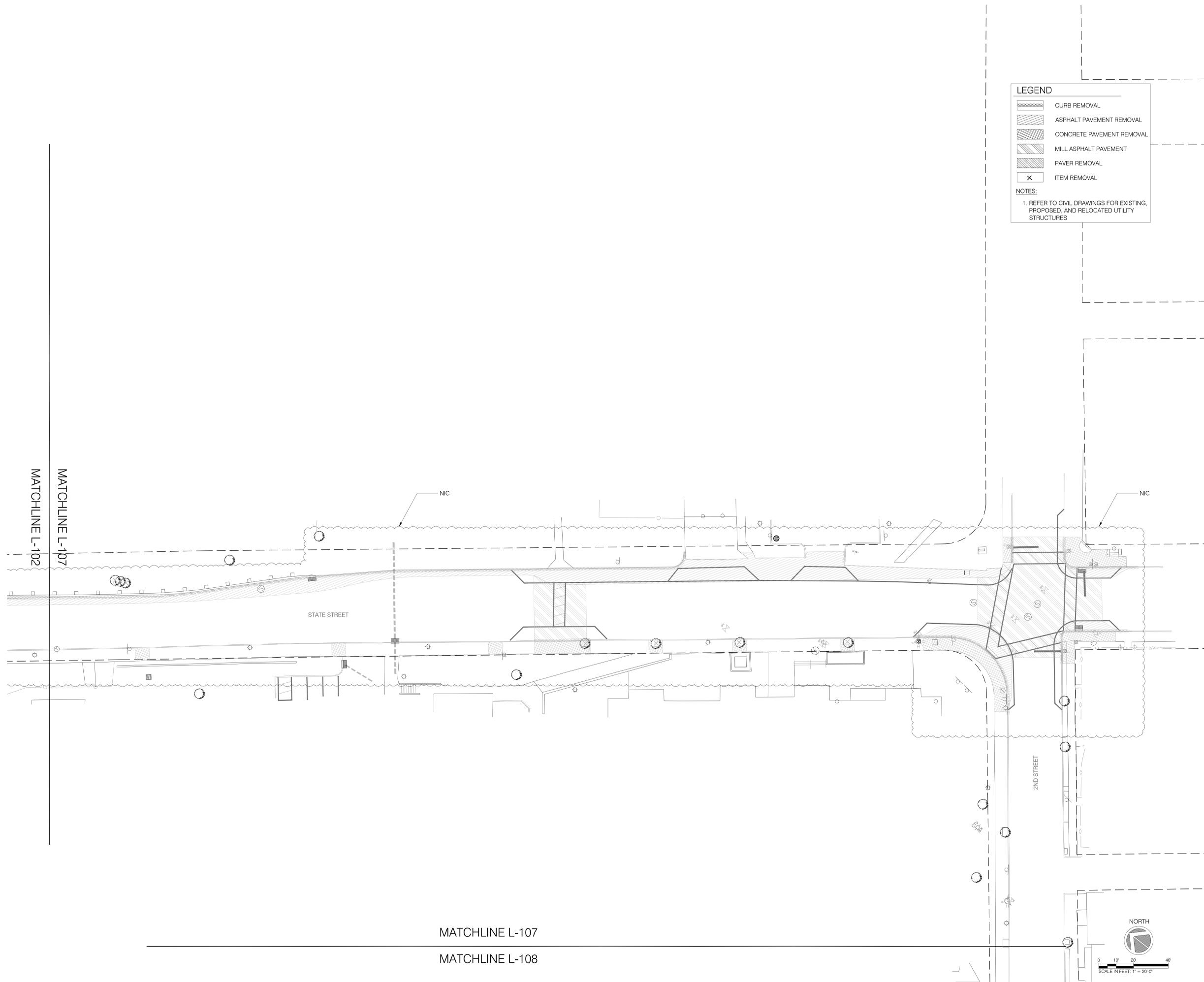
Consultant:
Creighton Manning Engineering
2 Winners Circle, Suite 201
Albany, NY 12205
Tel 518.446.0396
website <http://www.cmellp.com/>

LEGEND

- CURB REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- MILL ASPHALT PAVEMENT
- PAVER REMOVAL
- ITEM REMOVAL

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KEY PLAN

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Issue:

No.	Date	Remarks

Sheet Title:
SITE CLEARING PLAN

Drawn By: FT, LS, BP	L-007
Checked By: JR	
Date: 06/09/2022	
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Project Number: 02-2021-134.1	
Sheet: 11 of 89	

MATCHLINE L-107

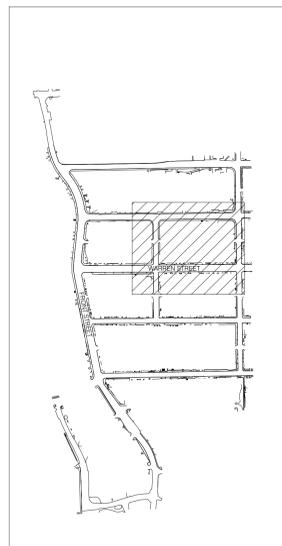
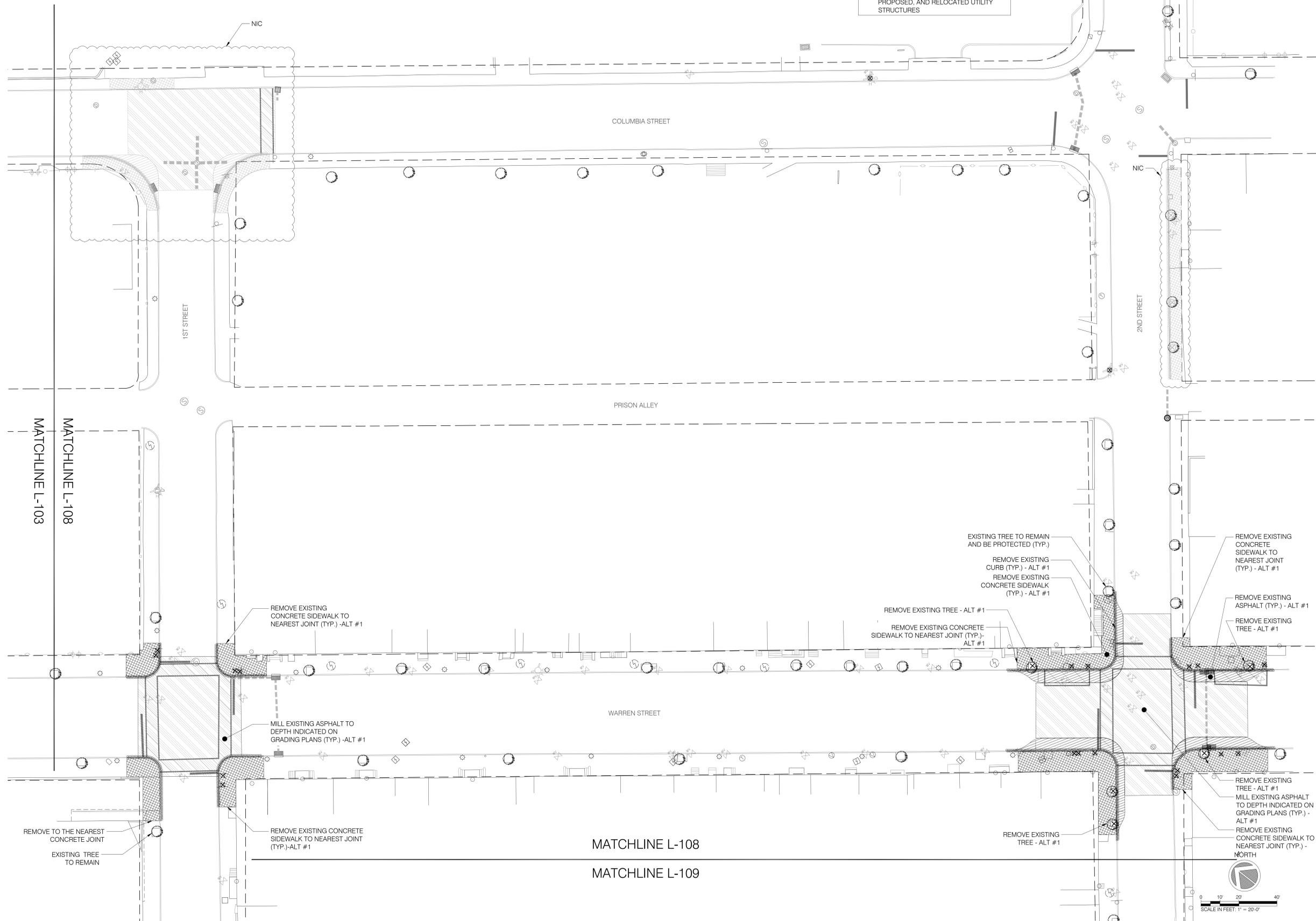
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LEGEND

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-  ITEM REMOVAL

NOTES:

1. REFER TO CIVIL DRAWINGS FOR EXISTING, PROPOSED, AND RELOCATED UTILITY STRUCTURES



KEY PLAN

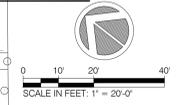
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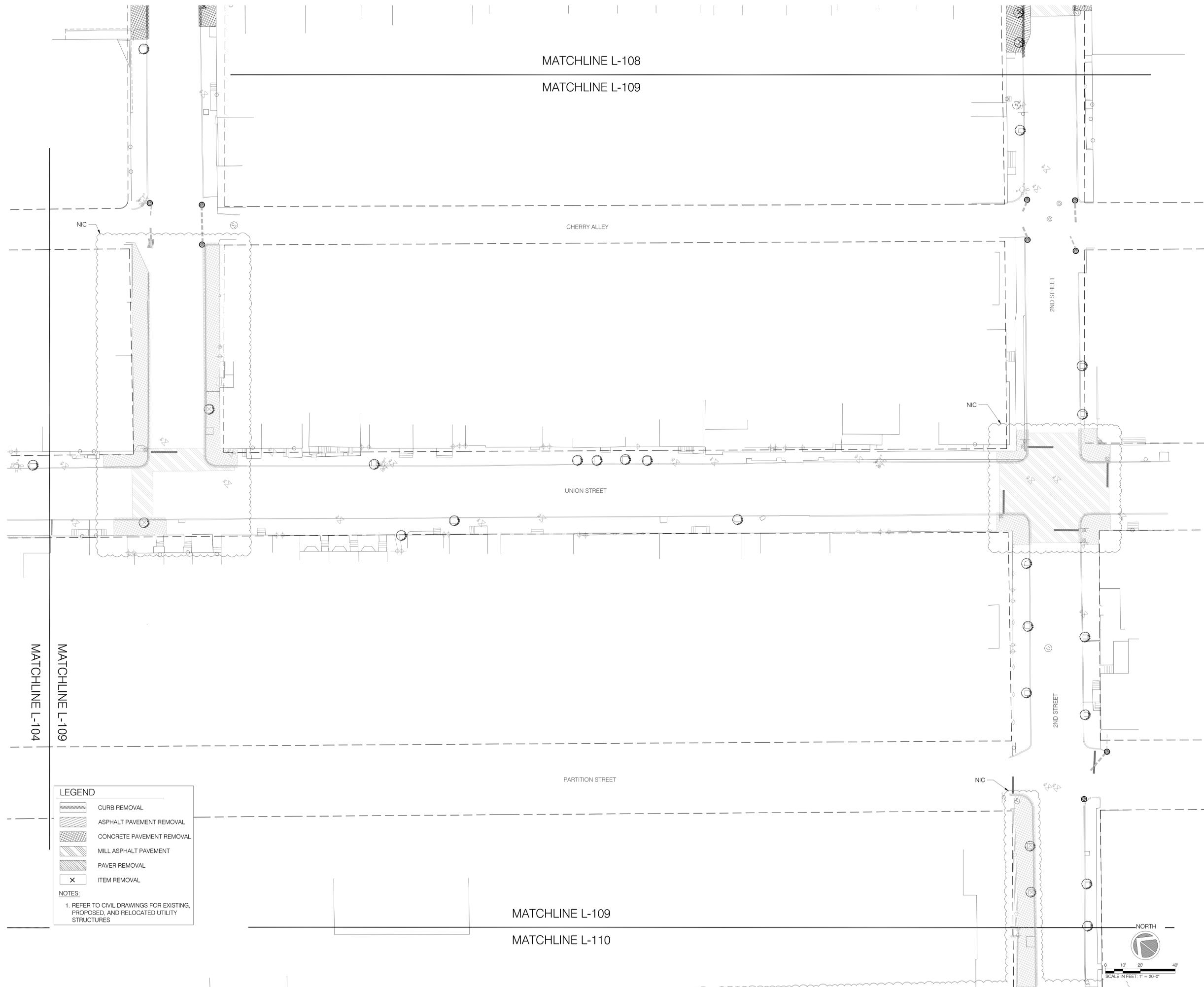
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No.	Date	Remarks

Sheet Title:
SITE CLEARING PLAN

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Checked By: JR	
Date: 06/09/2022	Scale: 1" = 20' - 0"
Project Number: 02-2021-134.1	Sheet: 12 of 89



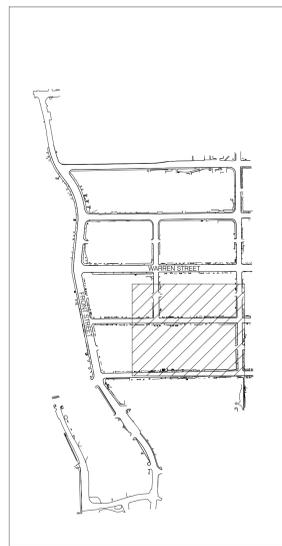


LEGEND

- CURB REMOVAL
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- PAVER REMOVAL
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NOTES:

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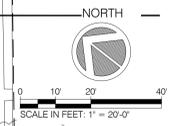
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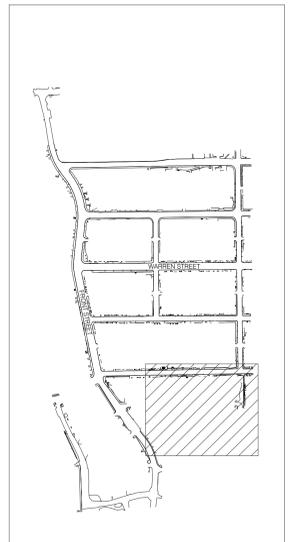
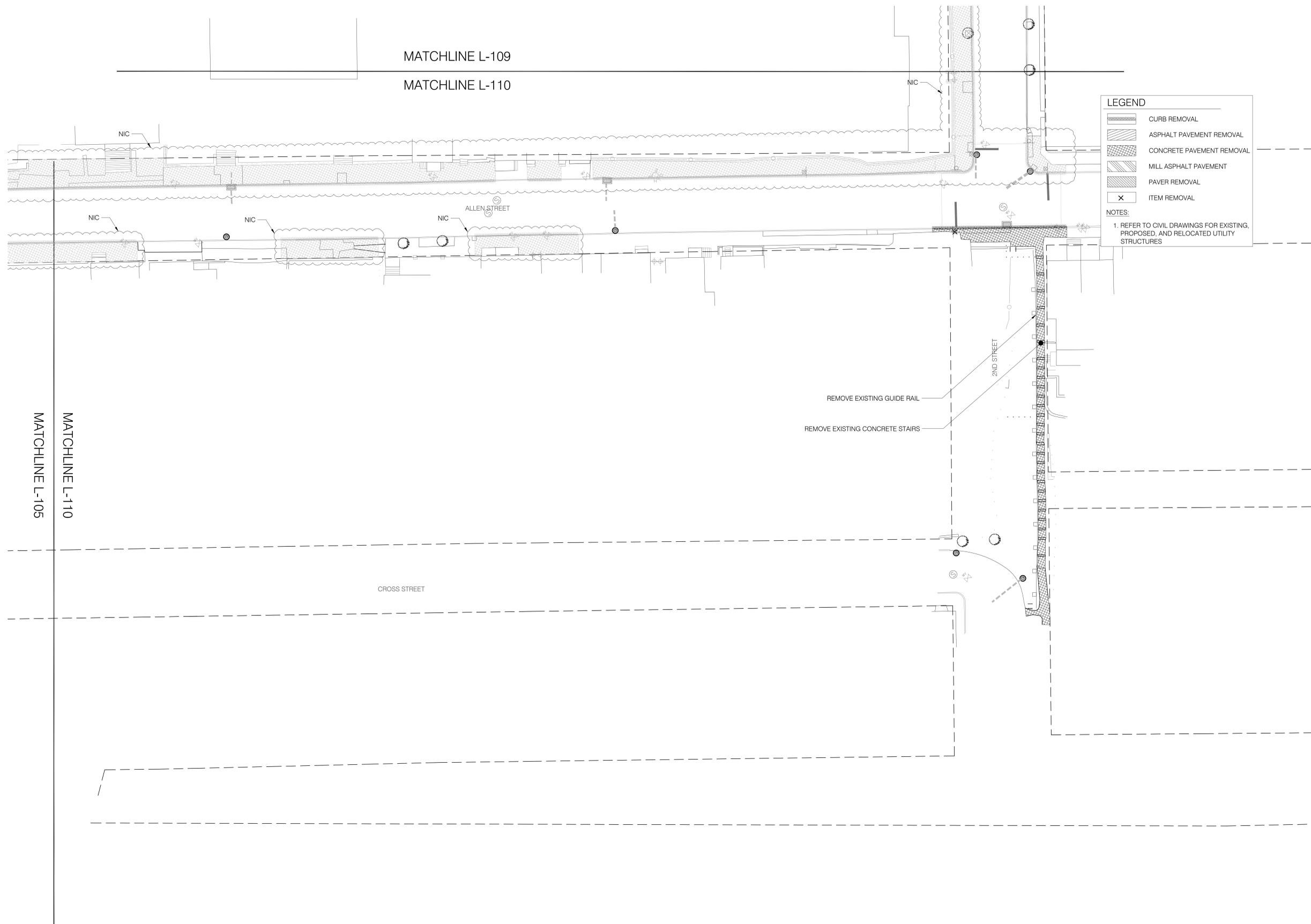
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Sheet Title:

SITE CLEARING PLAN

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Date: 06/09/2022	
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Project Number: 02-2021-134.1	Sheet: 13 of 89

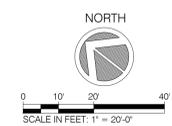




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Issue No.	Date	Remarks

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Drawn By: FT, LS, BP	L-010
Checked By: JR	
Date: 06/09/2022	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 14 of 89



Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY

Client:
City of Hudson
520 Warren Street
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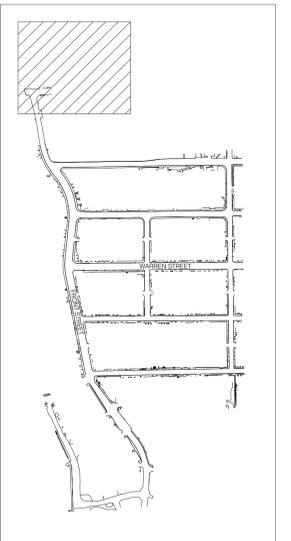
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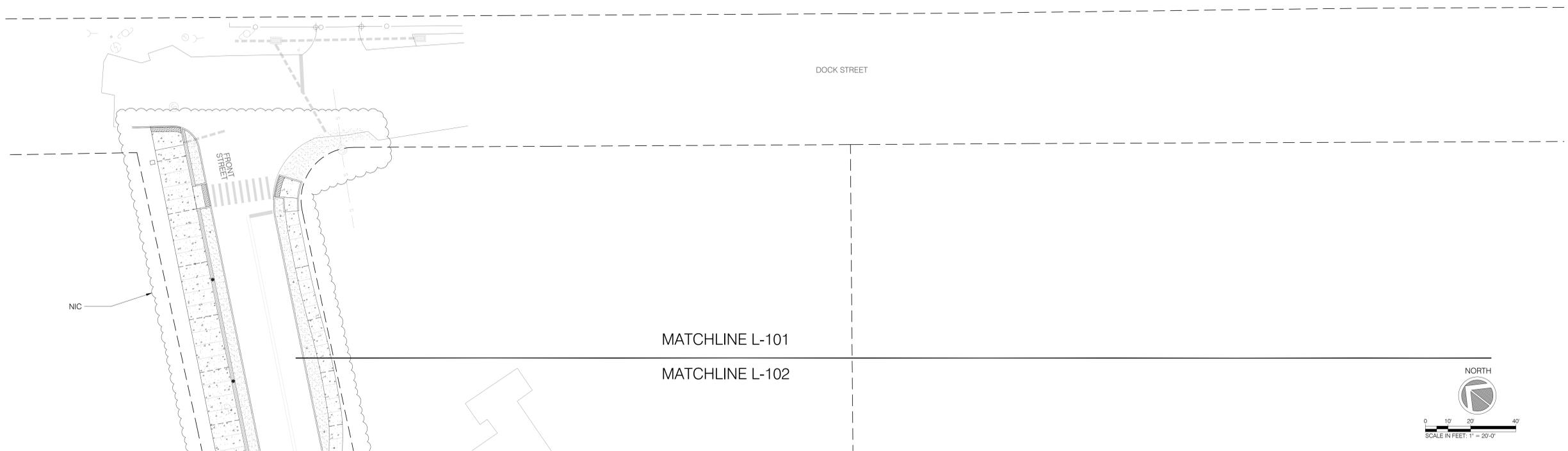


KEY PLAN

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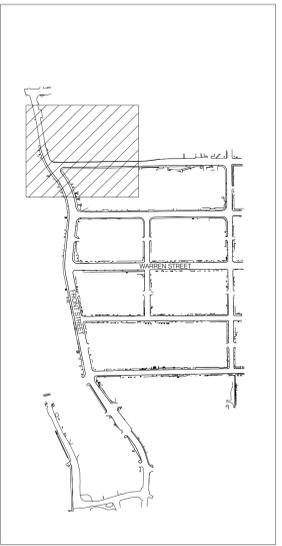
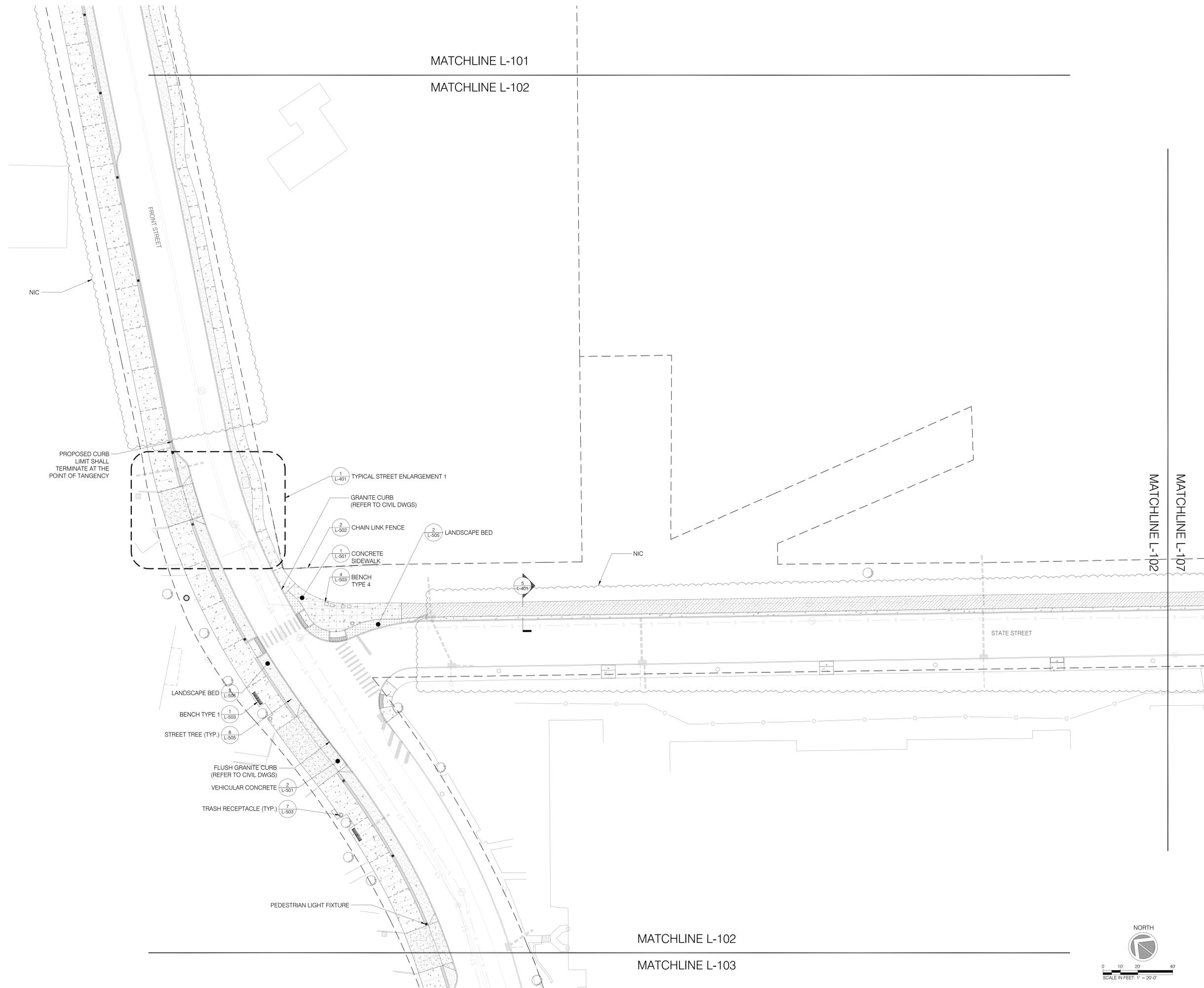
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Drawn By: FT, LS, BP	Checked By: JR	
Date: 06/09/2022		
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MATCHLINE L-101

MATCHLINE L-102

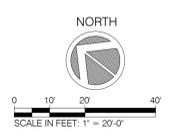


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Issue:		
No.	Date	Remarks

Sheet Title: LAYOUT & MATERIALS		
Drawn By: FT, LS, BP	L-102	Sheet: 16 of 89
Checked By: JR		
Date: 06/09/2022		
Scale: 1" = 20' - 0"		
Project Number: 02-2021-134.1		



MATCHLINE L-102
MATCHLINE L-103

Client:
 City of Hudson
 520 Warren Street
 Hudson, NY 12534
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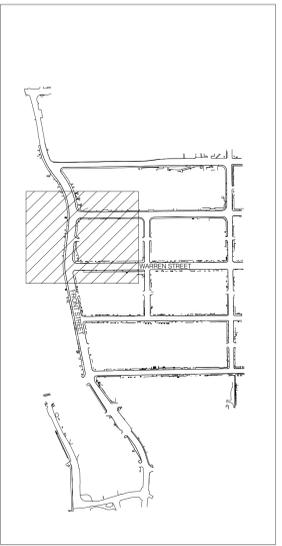
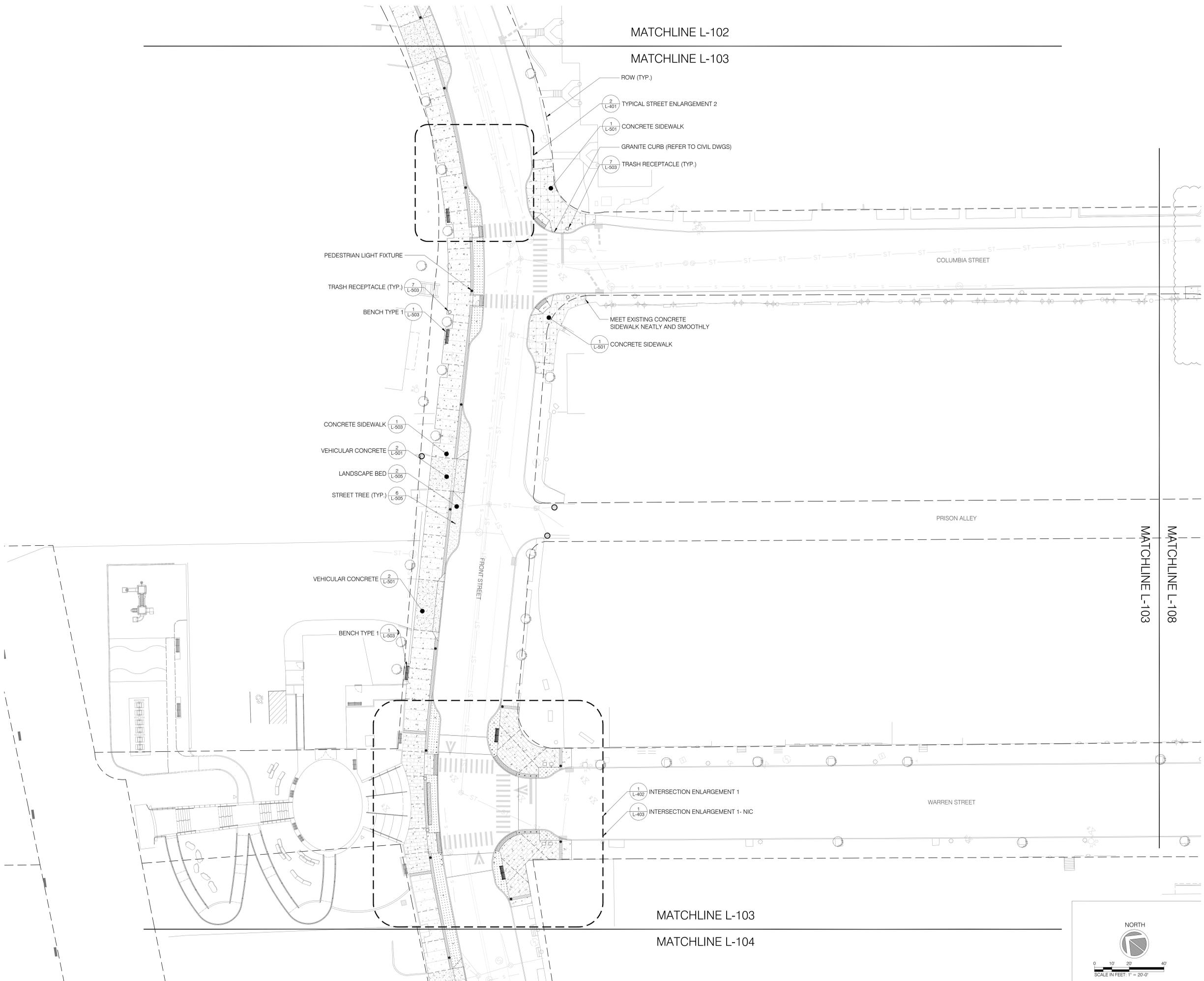
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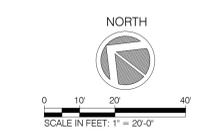


KEY PLAN

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Issue:		
No.	Date	Remarks

Sheet Title: LAYOUT & MATERIALS		L-103
Drawn By: FT, LS, BP	Checked By: JR	
Date: 06/09/2022	Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 17 of 89	



Hudson Streetscape and Pedestrian Improvements Construction Document Set Hudson, NY

Client:
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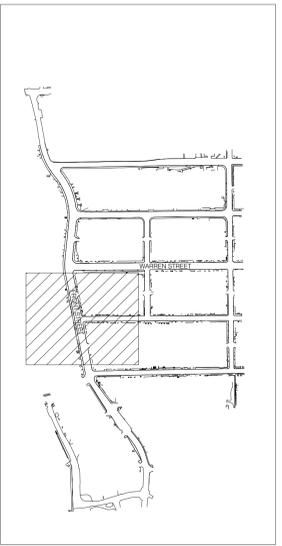
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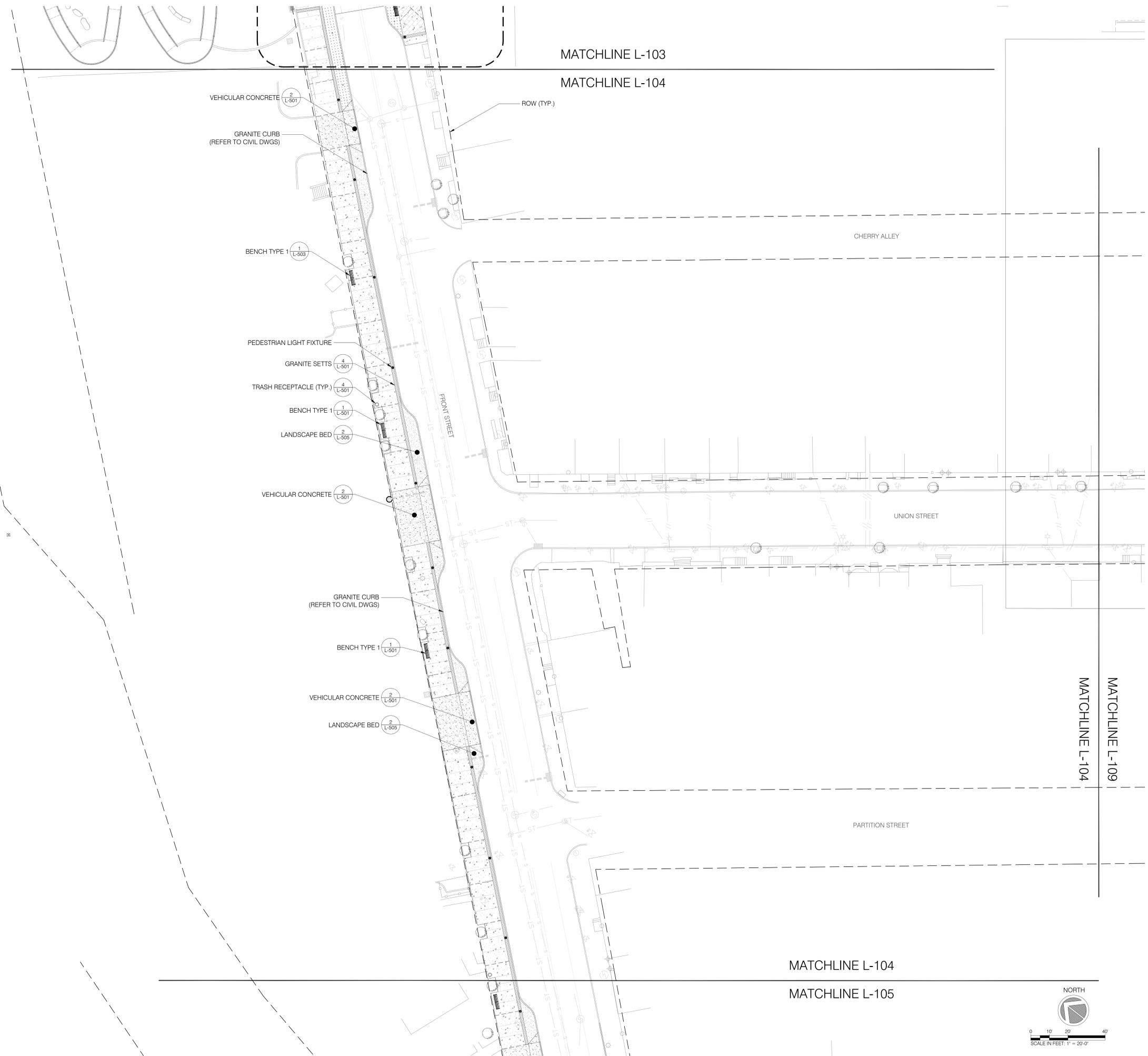


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Issue:		
No.	Date	Remarks

Sheet Title: LAYOUT & MATERIALS		
Drawn By: FT, LS, BP	L-104	Checked By: JR
Date: 06/09/2022		Scale: 1" = 20' - 0"
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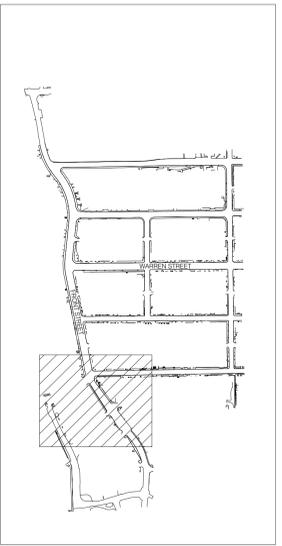
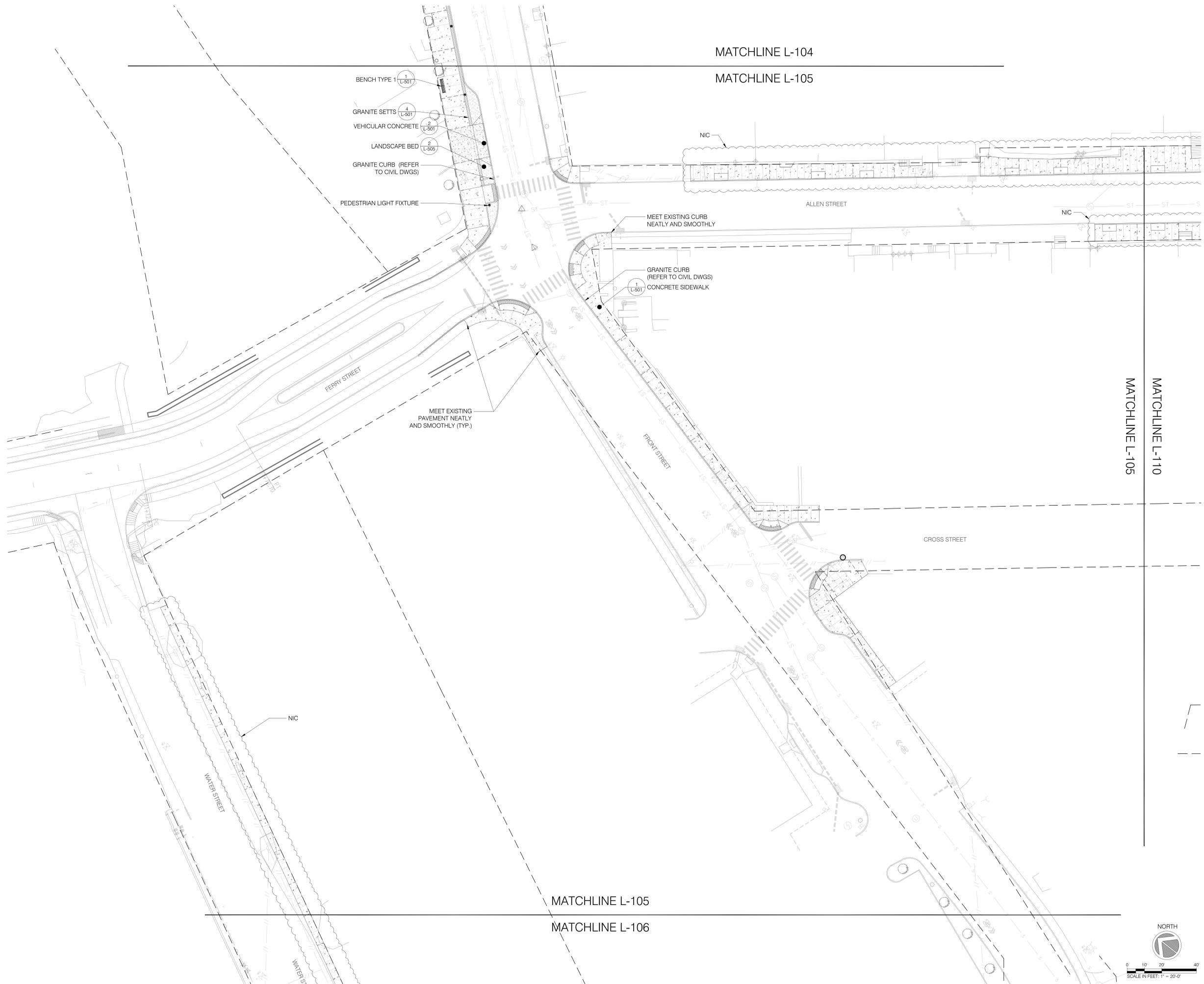
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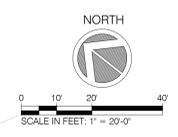
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Issue:	No.	Date	Remarks

Sheet Title: LAYOUT & MATERIALS		L-105
Drawn By: FT, LS, BP	Checked By: JR	
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Project Number: 02-2021-134.1		



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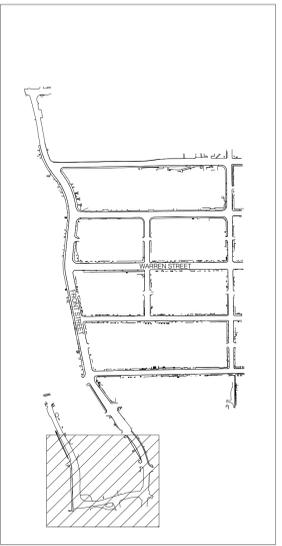
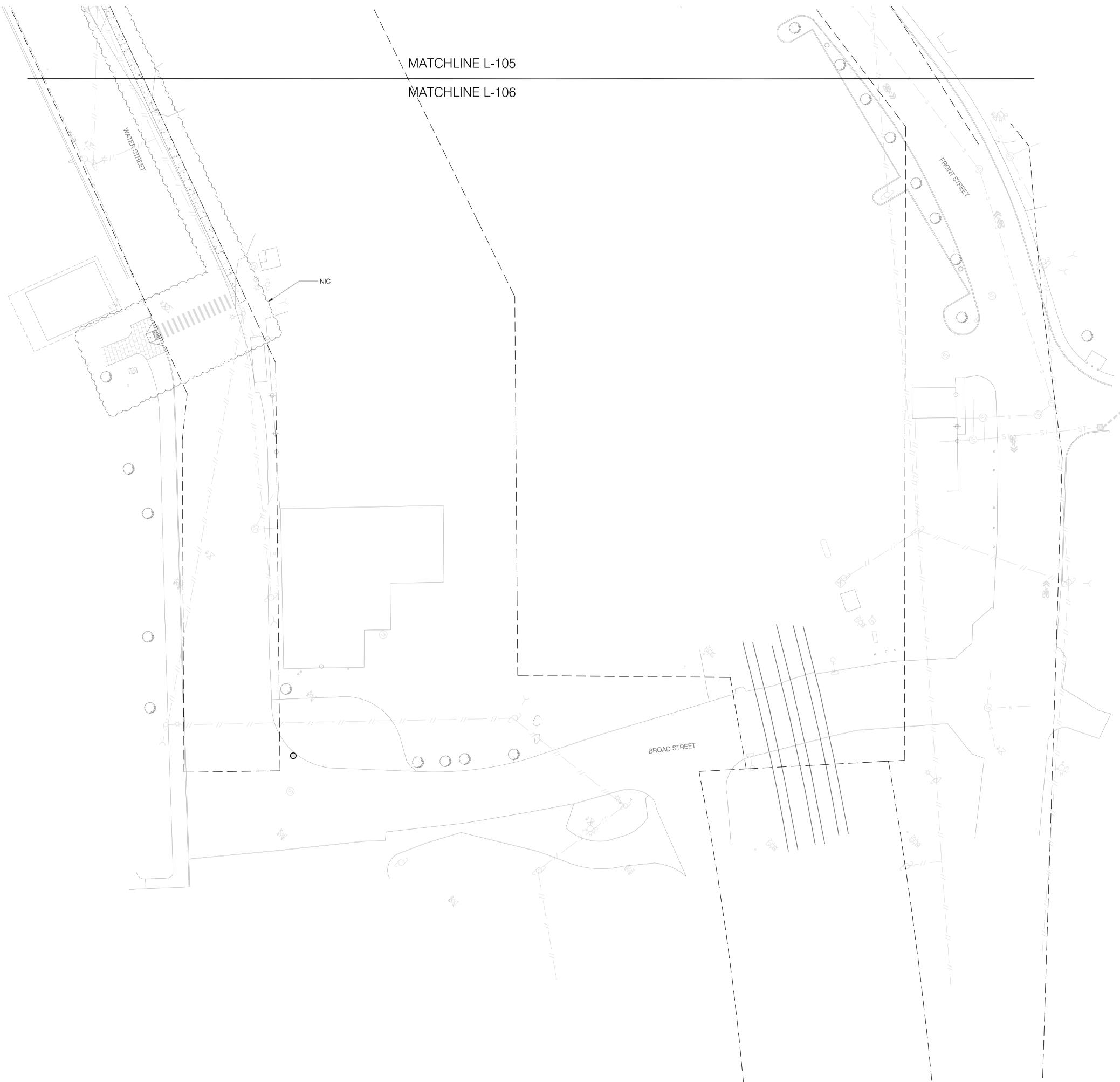
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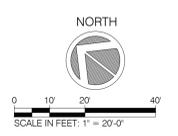


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Issue:		
No.	Date	Remarks

Sheet Title: LAYOUT & MATERIALS		
Drawn By: FT, LS, BP	L-106	Sheet: 20 of 89
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Date: 06/09/2022		
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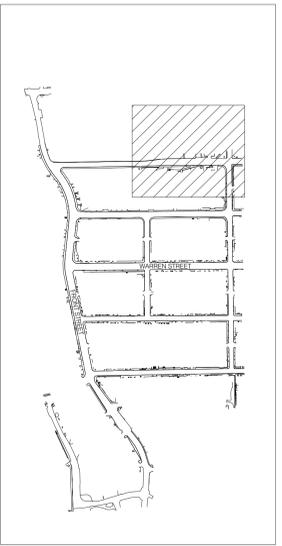
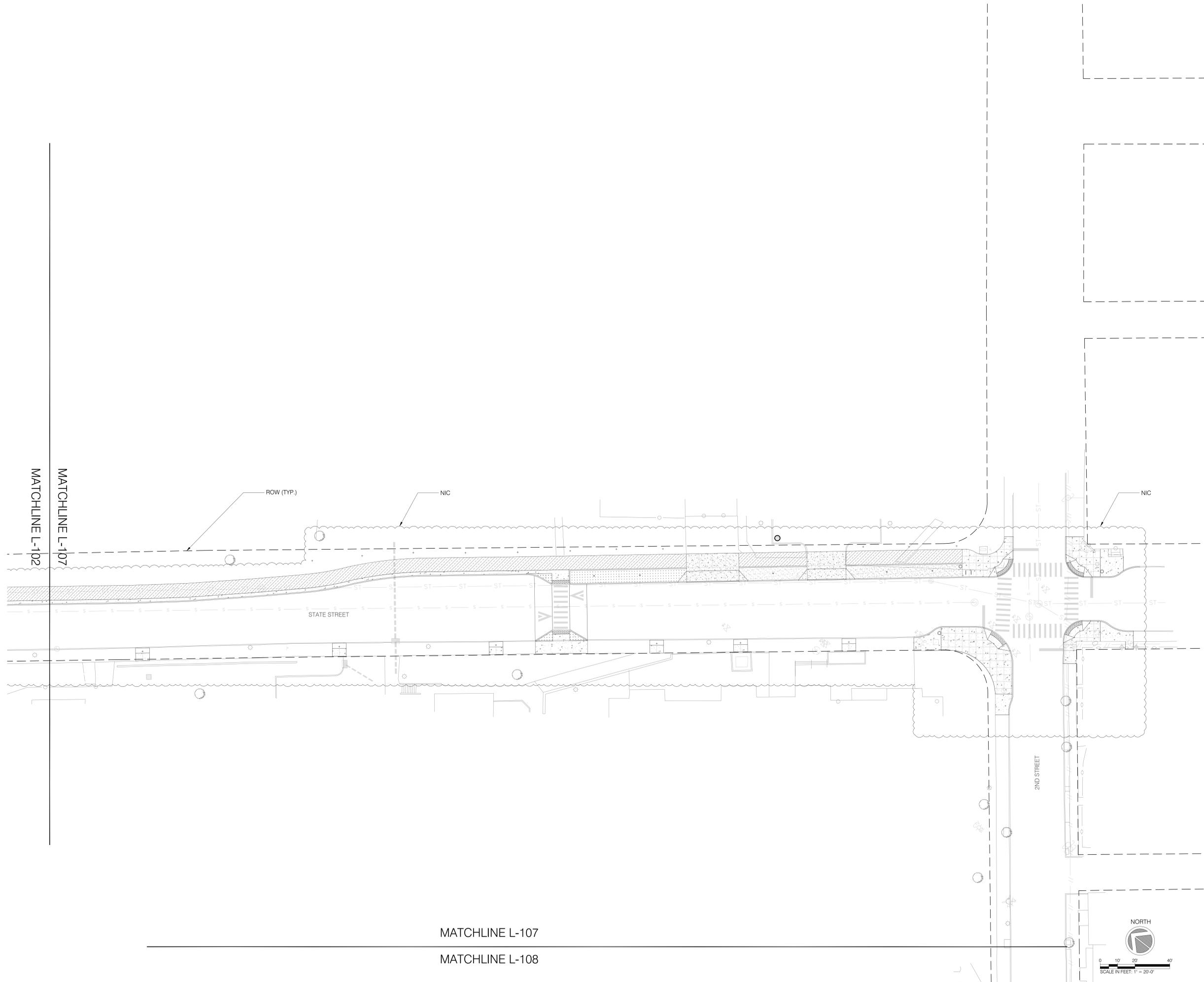
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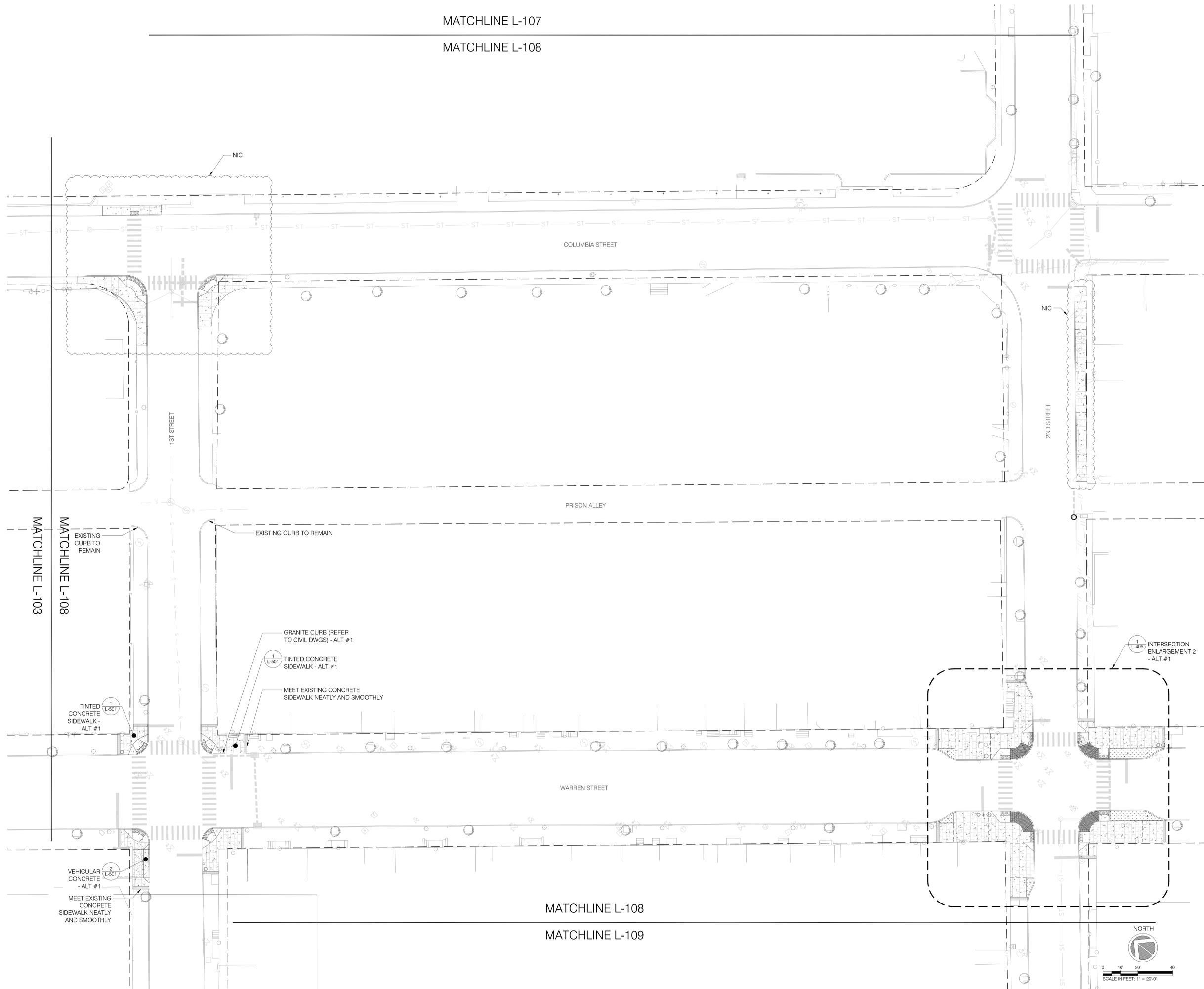
Issue:

No.	Date	Remarks

Sheet Title: LAYOUT & MATERIALS	
Drawn By: FT, LS, BP	L-107
Checked By: JR	
Date: 06/09/2022	
Scale: 1" = 20' - 0"	
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MATCHLINE L-107

MATCHLINE L-108



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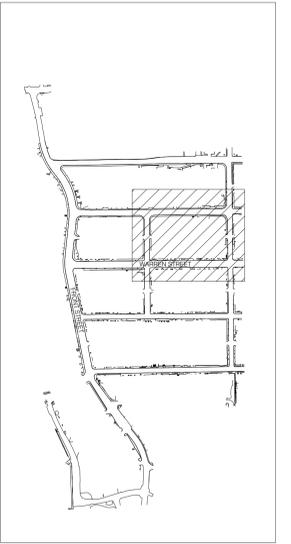
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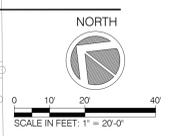


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Issue:		
No.	Date	Remarks

Sheet Title: LAYOUT & MATERIALS	
Drawn By: FT, LS, BP	L-108
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Project Number: 02-2021-134.1	Sheet: 22 of 89



MATCHLINE L-108

MATCHLINE L-109

CHERRY ALLEY

UNION STREET

PARTITION STREET

MATCHLINE L-109

MATCHLINE L-110

NIC

NIC

NIC

2ND STREET

2ND STREET

MATCHLINE L-104
MATCHLINE L-109

NORTH

SCALE IN FEET: 1" = 20'-0"

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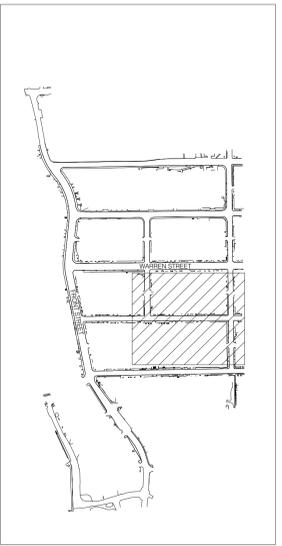
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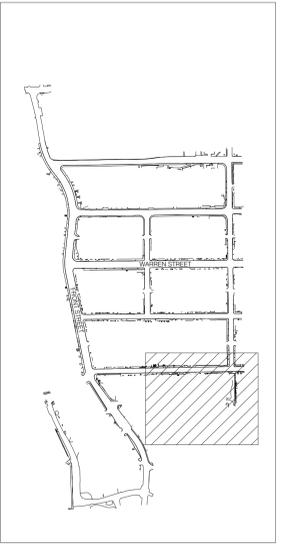
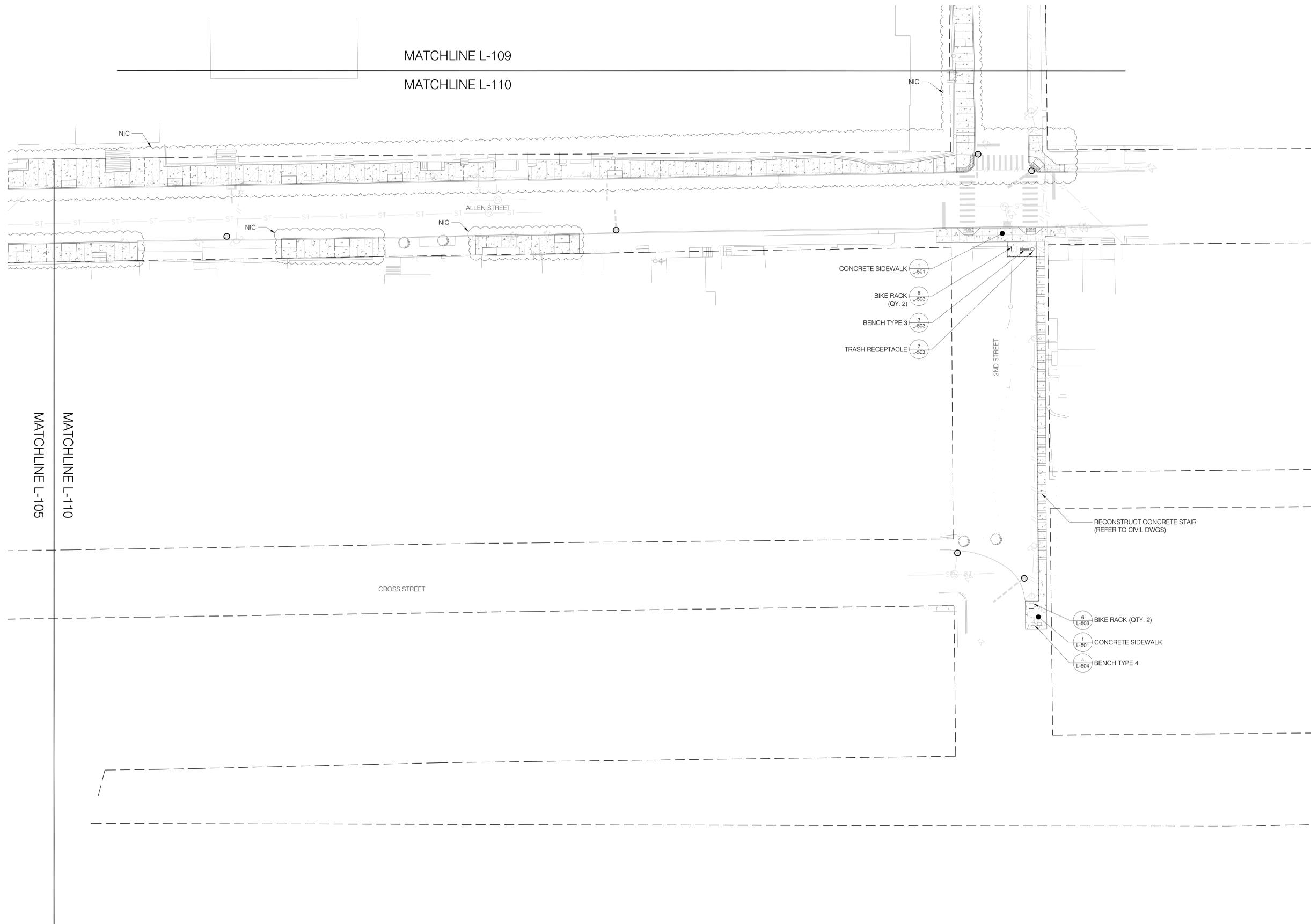
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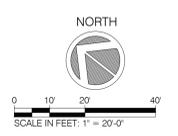
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Sheet Title: LAYOUT & MATERIALS			
Drawn By: FT, LS, BP	L-110	Project Number: 02-2021-134.1	
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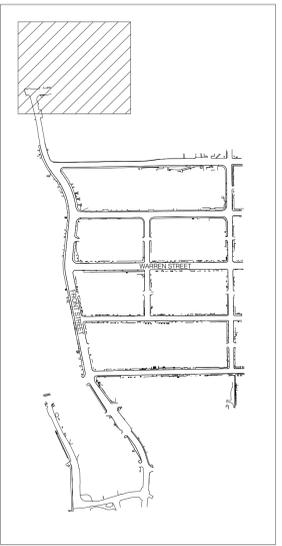


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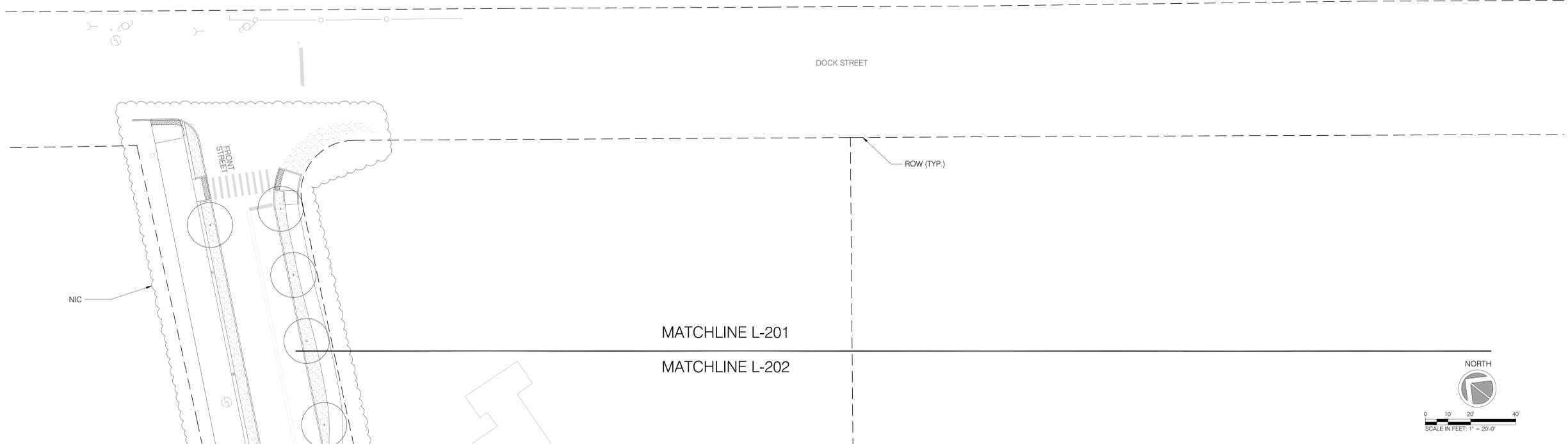
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Plant Schedule							
KEY	QTY.	GENUS SPECIES	COMMON NAME	SIZE	SPEC.	SPACING	NOTES
SHADE TREES -HUD.11							
Ar	3	Acer rubrum	Red maple	3" - 3.5"	B+B	AS SHOWN	LIMBED TO 7' - STRAIGHT LEADER
Ov	6	Ostrya virginiana	Eastern Hop Hornbeam	3" - 3.5"	B+B	AS SHOWN	LIMBED TO 7' - STRAIGHT LEADER
Qr	5	Quercus rubra	Red Oak	3" - 3.5"	B+B	AS SHOWN	LIMBED TO 7' - STRAIGHT LEADER
Ta	15	Tilia americana	American Linden	3" - 3.5"	B+B	AS SHOWN	LIMBED TO 7' - STRAIGHT LEADER
Ua	5	Ulmus americana 'Princeton'	American Elm	3" - 3.5"	B+B	AS SHOWN	LIMBED TO 7' - STRAIGHT LEADER
ORNAMENTAL TREES -HUD.12							
Ac	1	Amelanchier canadensis	Serviceberry	2" - 2.5"	B+B	AS SHOWN	MULTI-STEM
Cc	4	Cercis canadensis 'Ace of Hearts'	Eastern Redbud	2" - 2.5"	B+B	AS SHOWN	STRAIGHT LEADER
Cg	0	Crataegus crus-galli var. inermis	Crusader Hawthorn	2" - 2.5"	B+B	AS SHOWN	STRAIGHT LEADER
SHRUBS -HUD.13							
Ca	16	Clethra alnifolia 'Sixteen Candles'	Summersweet	15'-18" Ht.	Cont.	AS SHOWN	
Ig	35	Ilex glabra 'Compacta'	Inkberry Holly	18"-24" Ht.	Cont.	AS SHOWN	
Pf	24	Potentilla fruticosa	Cinquefoil	12"-15"	Cont.	AS SHOWN	
Rm	15	Rosa meidland	Rose	12"-15"	Cont.	AS SHOWN	
Ra	10	Rhus aromatica 'Gro-Low'	Gro-Low Sumac	12"-15"	Cont.	AS SHOWN	
PERENNIALS -HUD.14							
Ah	65	Allium hollandicum 'Purple Sensation'	Ornamental Onion	#2 Cont.	Cont.	15" O.C.	
Al	14	Asclepias incarnata	Milkweed	#2 Cont.	Cont.	24" O.C.	
Ep	79	Echinacea purpurea	Purple Coneflower	#2 Cont.	Cont.	18" O.C.	
HS	13	Hemerocallis x spp.	Stella de Oro Daylily	#1 Cont.	Cont.	24" O.C.	
Ls	68	Liatris spicata 'Kobold'	Liatris	#2 Cont.	Cont.	12" O.C.	
Nf	17	Nepta x Faassenii 'walkers Low'	Catmint	#2 Cont.	Cont.	30" O.C.	
Rf	32	Rudbeckia fulgida var. fulgida	Black Eyed Susan	#2 Cont.	Cont.	24" O.C.	
GRASSES -HUD.15							
Cp	46	Chasmanthium latifolium	Northern Sea Oats	#2 Cont.	Cont.	15" O.C.	
Mc	22	Muhlenbergia capillaris	Pink Muhly Grass	18"-36" Ht.	Cont.	AS SHOWN	
Pv	26	Panicum Virgatum	Switchgrass	#3 Cont.	Cont.	18" O.C.	
Pa	57	Pennisetum alopecuroides	Draw Fountain Grass	#3 Cont.	Cont.	12" O.C.	
GROUNDCOVER -HUD.16							
Is	8	Iberis sempervirens 'Candytuft'	Candytuft	#1 Cont.	Cont.	15" O.C.	
Lm	0	Liriope Muscari 'Big Blue'	Lily Turf	#1 Cont.	Cont.	15" O.C.	
Gs	224	Geranium sanguineum 'Max Frei'	Bloody Cransebill	#1 Cont.	Cont.	12" O.C.	
BULBS -HUD.17							
Da	110	Narcissus 'Rijnveld's Early Sensation'	Rijnveld's Early Sensation' Daffodil		Bulb	12" O.C.	
Tu	110	Tulipa 'Marit'	Darwin Hybrid Tulip - Blend		Bulb	12" O.C.	



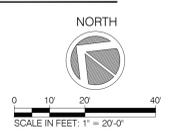
KEY PLAN



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Sheet Title: PLANTING PLAN	
Drawn By: FT, LS, BP	L-201
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Project Number: 02-2021-134.1	Sheet: 25 of 89



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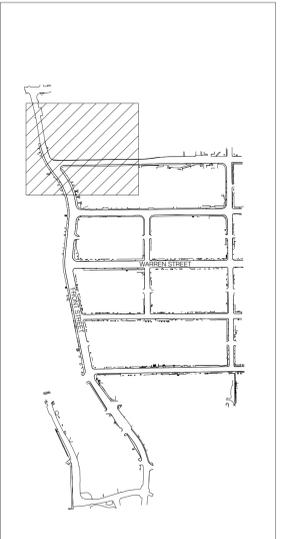
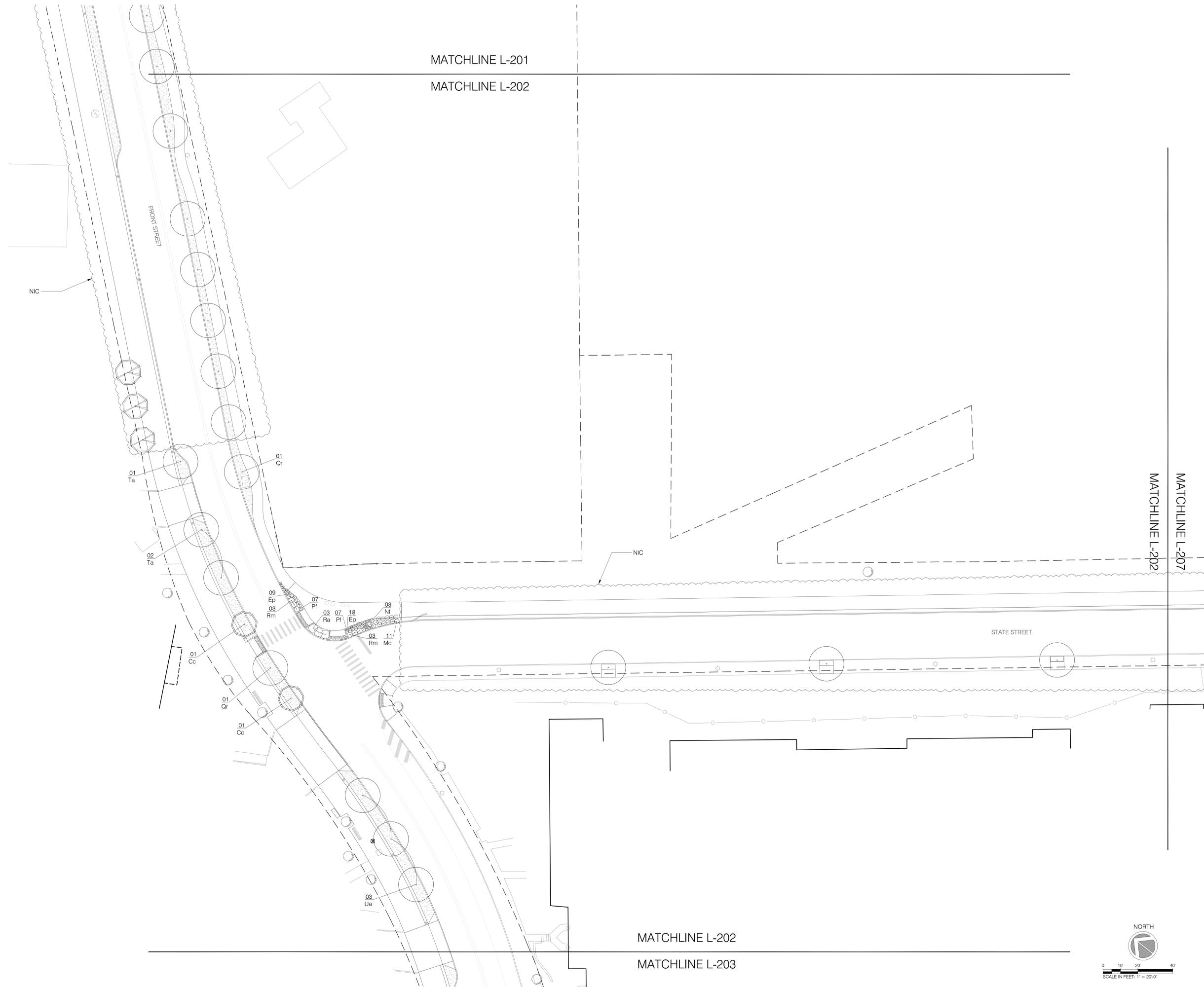
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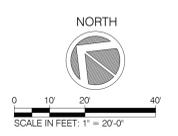


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Issue:		
No.	Date	Remarks

Sheet Title: PLANTING PLAN		
Drawn By: FT, LS, BP	L-202	Sheet: 26 of 89
Checked By: JR		
Date: 06/09/2022		
Scale: 1" = 20' - 0"		
Project Number: 02-2021-134.1	Sheet: 26 of 89	



MATCHLINE L-202
MATCHLINE L-203

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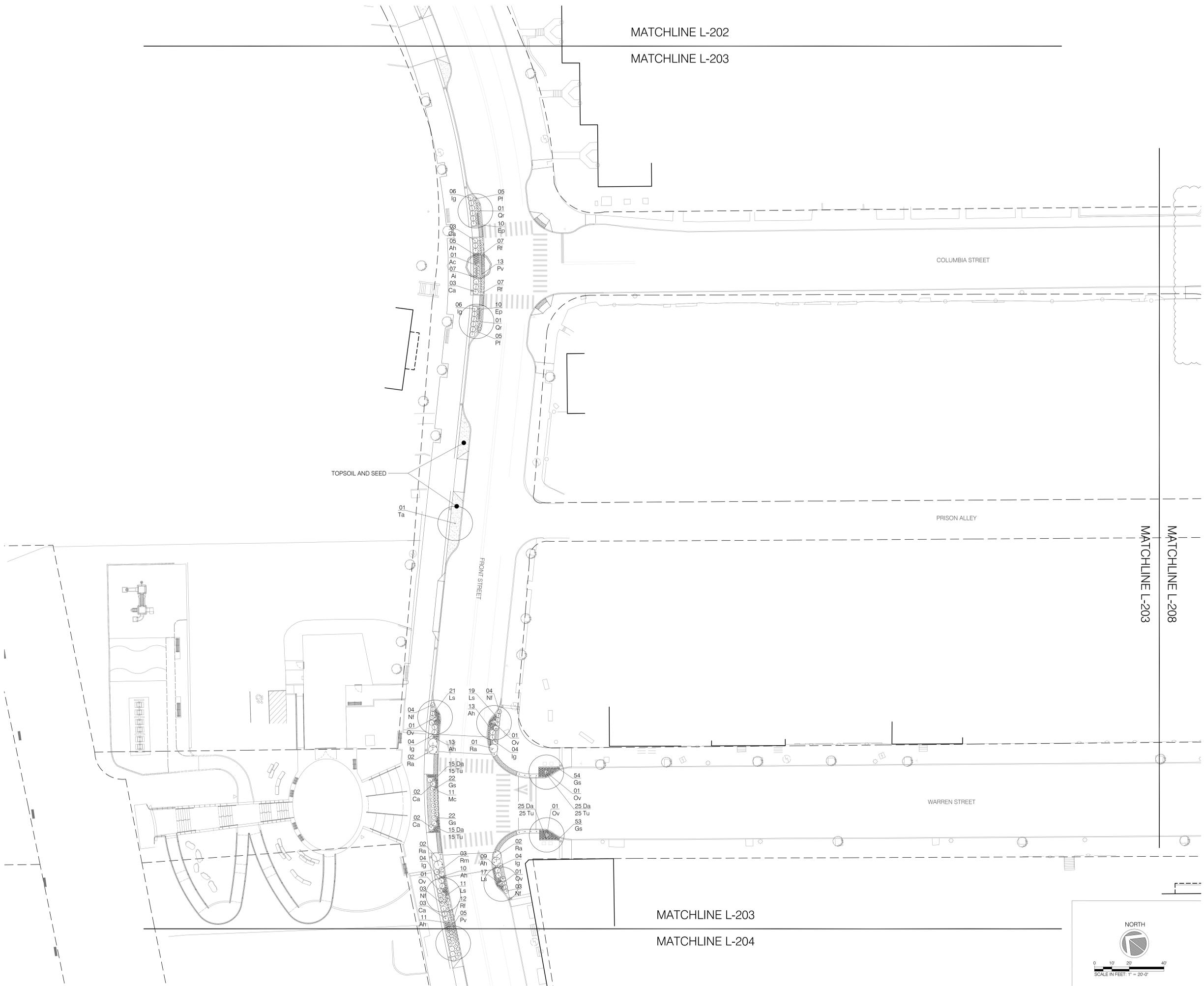
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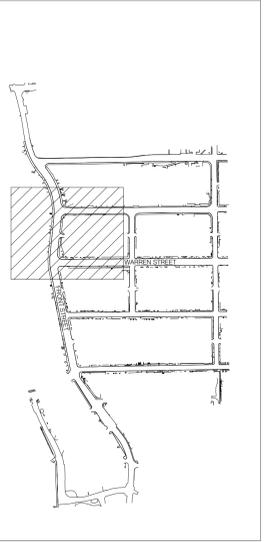
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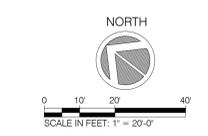


KEY PLAN

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Issue:		
No.	Date	Remarks

Sheet Title: PLANTING PLAN	
Drawn By: FT, LS, BP	L-203
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Date: 06/09/2022	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 27 of 89



MATCHLINE L-202

MATCHLINE L-203

COLUMBIA STREET

PRISON ALLEY

MATCHLINE L-203
 MATCHLINE L-208

WARREN STREET

MATCHLINE L-203

MATCHLINE L-204

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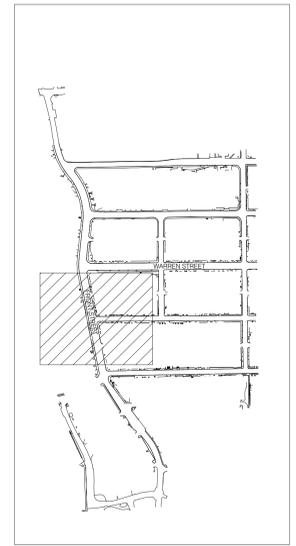
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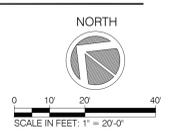


KEY PLAN

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Issue:		
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Sheet Title: PLANTING PLAN		
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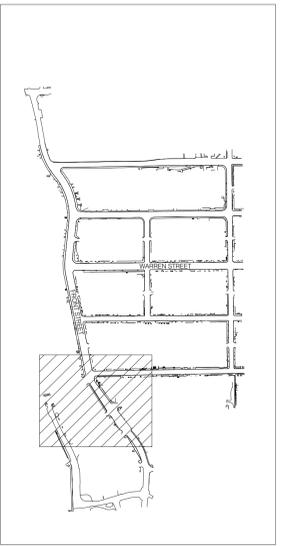
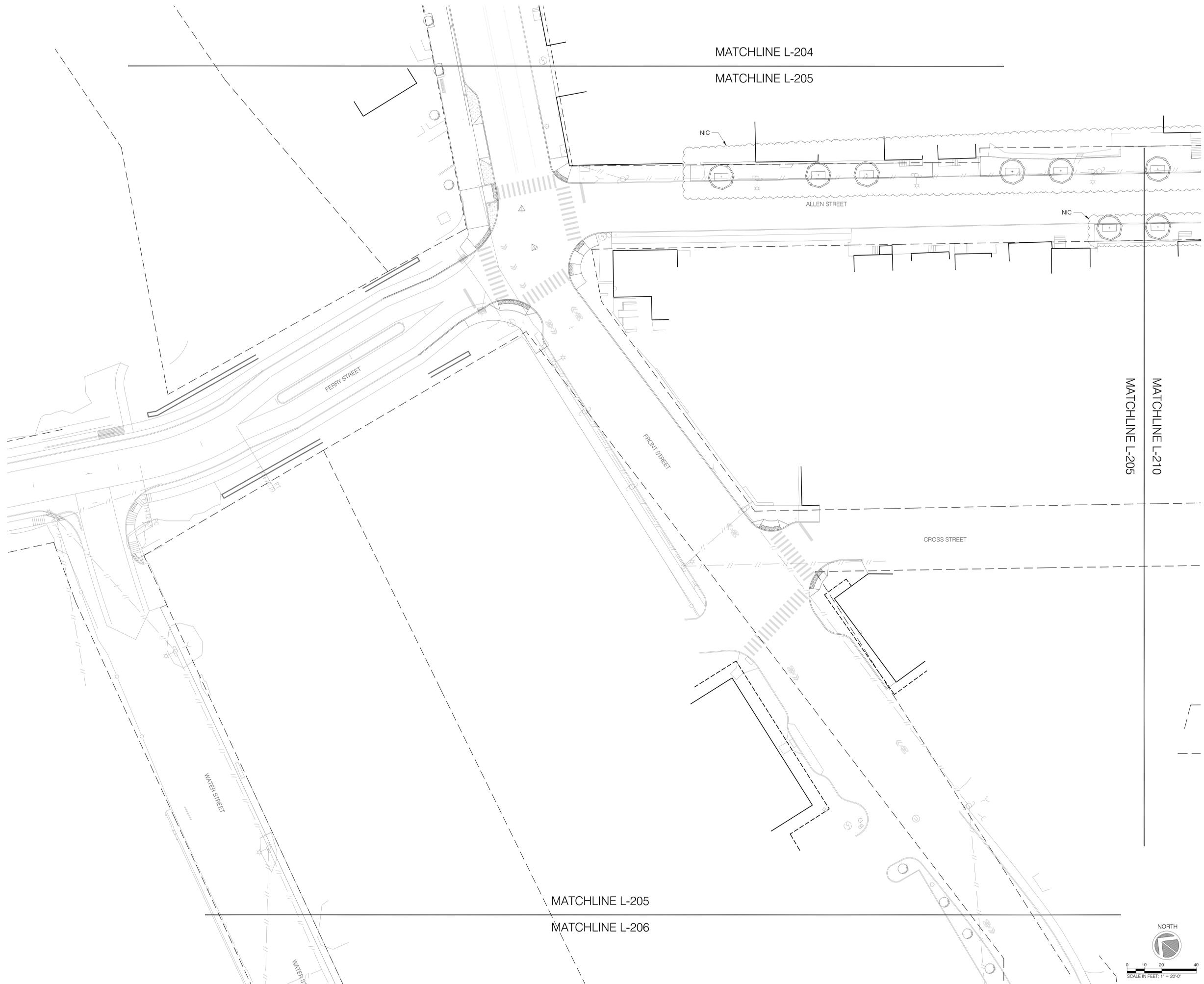
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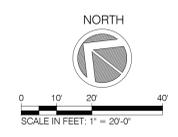


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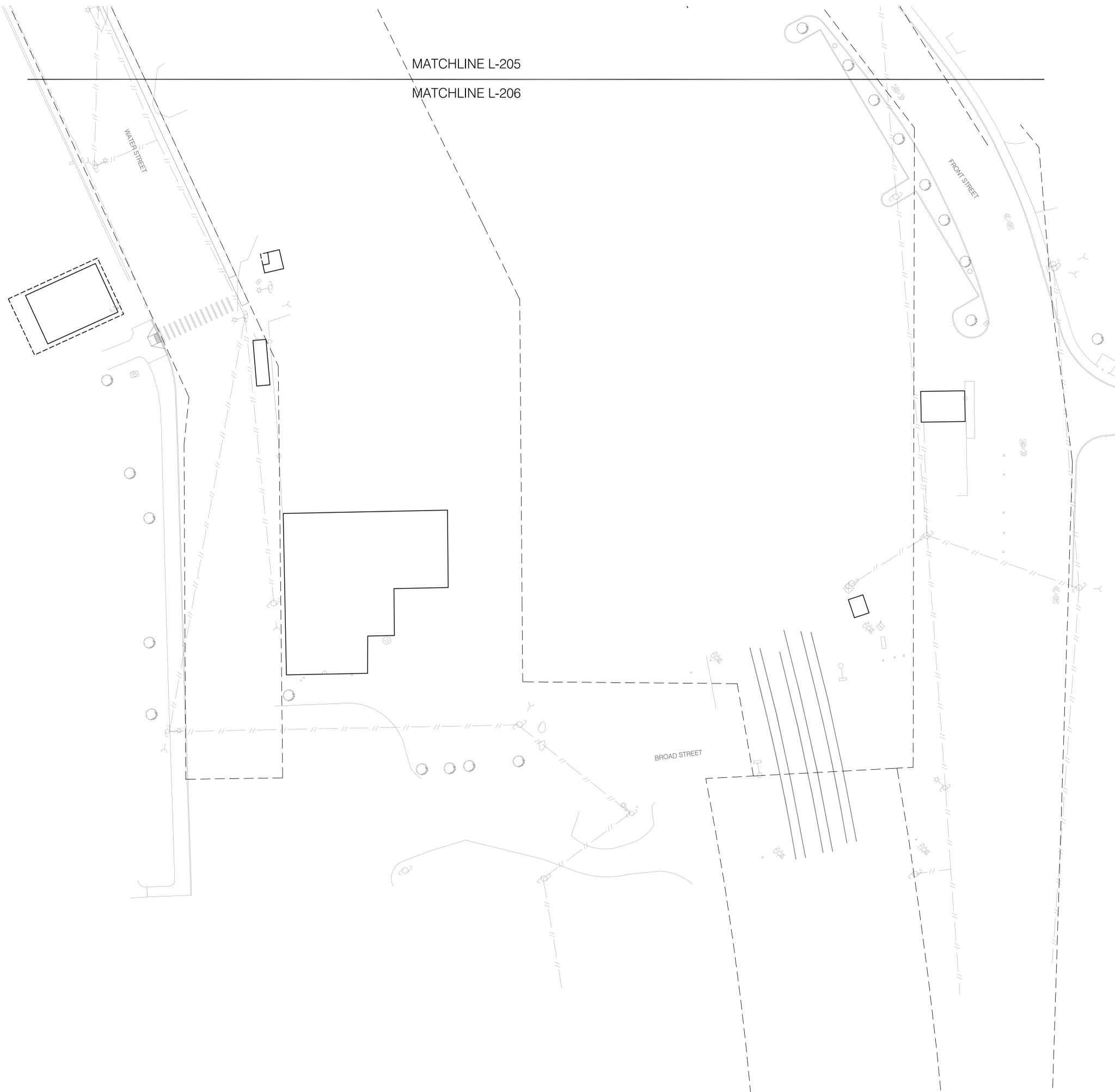
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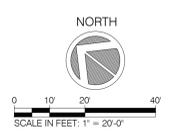


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Sheet Title: PLANTING PLAN		
Drawn By: FT, LS, BP	L-206	Sheet: 30 of 89
Checked By: JR		
Date: 06/09/2022		
Scale: 1" = 20' - 0"		
Project Number: 02-2021-134.1	Project Number: 02-2021-134.1	



Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY

Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

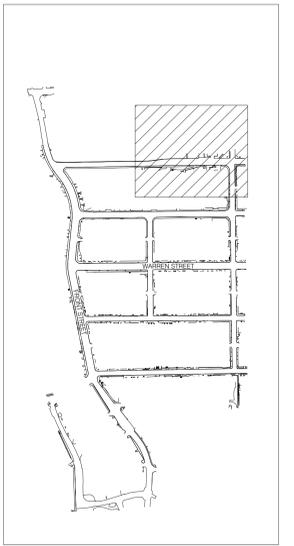
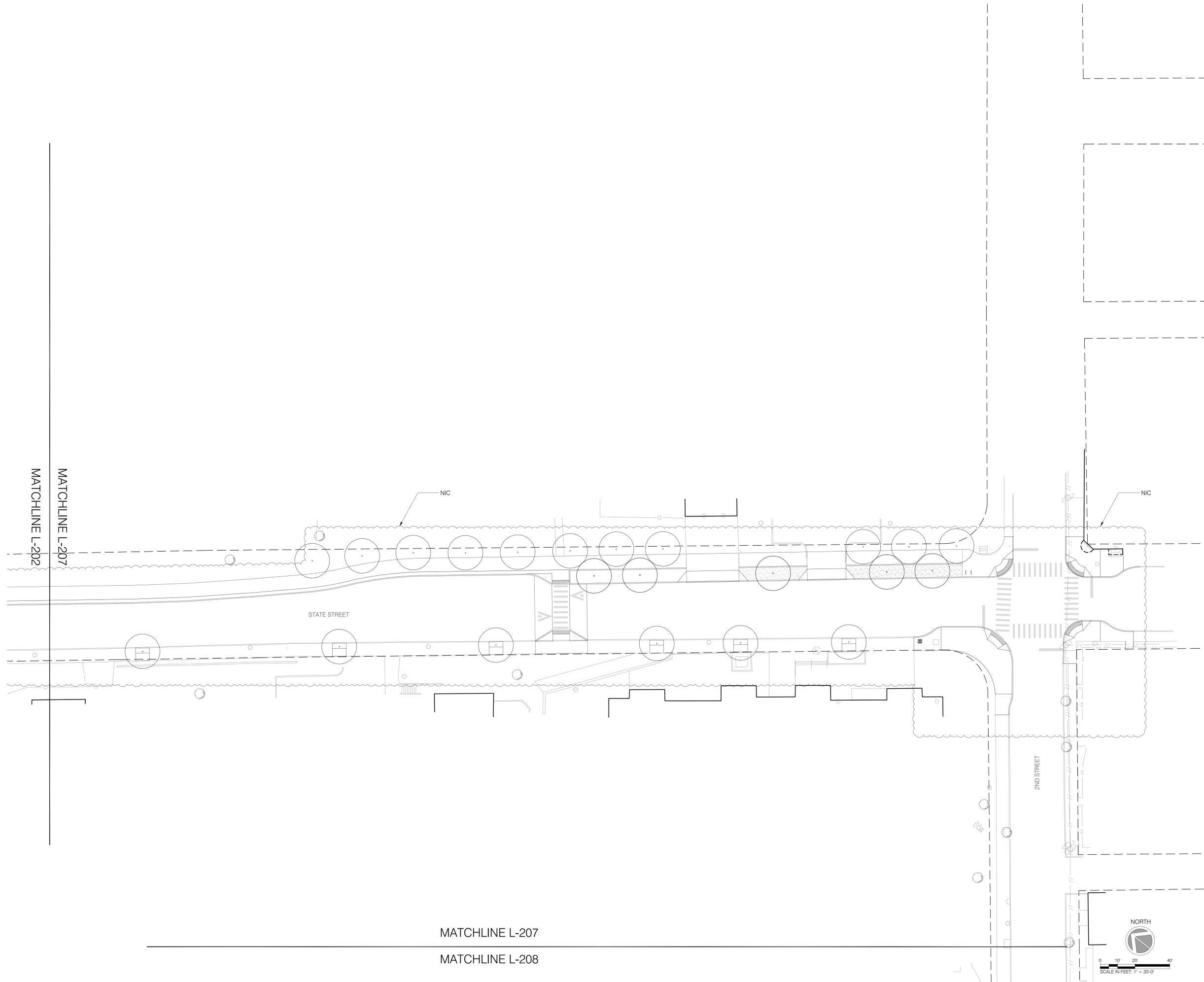
Role: (Urban Design + Landscape Architecture)



Street Design Studio
507 Bloomfield Avenue, 2nd floor
Montclair, New Jersey 07042 USA

www.arterialstreets.com
Tel / Fax 973 320 9123
info@arterialstreets.com

Consultant:
Creighton Manning Engineering
2 Winners Circle, Suite 201
Albany, NY 12205
Tel 518.446.0396
website http://www.cmelp.com/



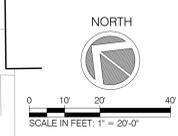
KEY PLAN

100% CD SUBMISSION

Issue:

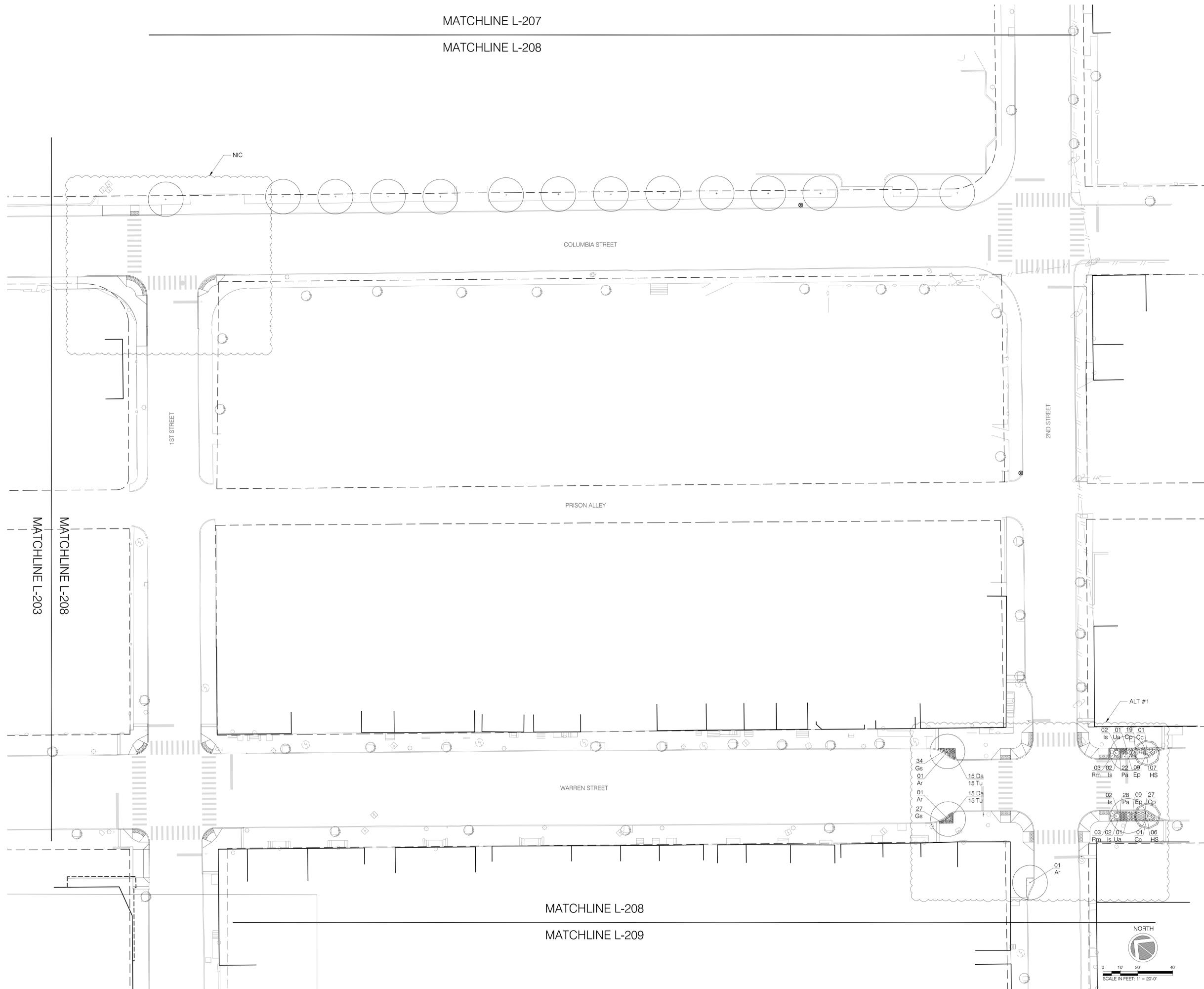
No.	Date	Remarks

Sheet Title: PLANTING PLAN	
Drawn By: FT, LS, BP	L-207
Checked By: JR	
Date: 06/09/2022	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 31 of 89



MATCHLINE L-207

MATCHLINE L-208



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Construction Document Set
Hudson, NY

Client:
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520 Warren Street
Hudson, NY 12534
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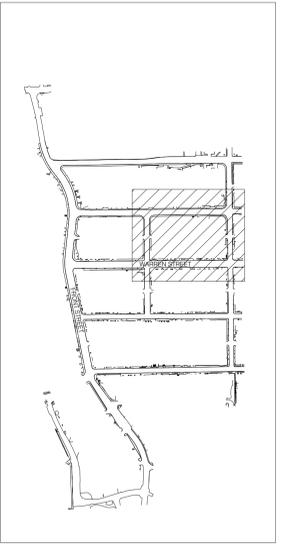
Role: (Urban Design + Landscape Architecture)



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KEY PLAN

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Issue:		
No.	Date	Remarks

Sheet Title:		L-208
PLANTING PLAN		
Drawn By:	FT, LS, BP	
Checked By:	JR	
Date:	06/09/2022	
Scale:	1" = 20' - 0"	
Project Number:	02-2021-134.1	Sheet: 32 of 89

MATCHLINE L-208

MATCHLINE L-209

CHERRY ALLEY

UNION STREET

PARTITION STREET

MATCHLINE L-209

MATCHLINE L-210

NIC

2ND STREET

2ND STREET

NIC

MATCHLINE L-204
MATCHLINE L-209

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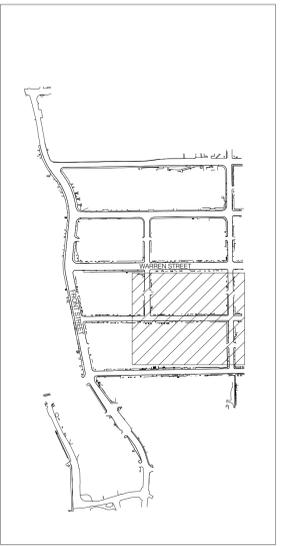
Role: (Urban Design + Landscape Architecture)



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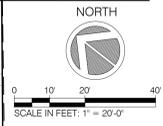


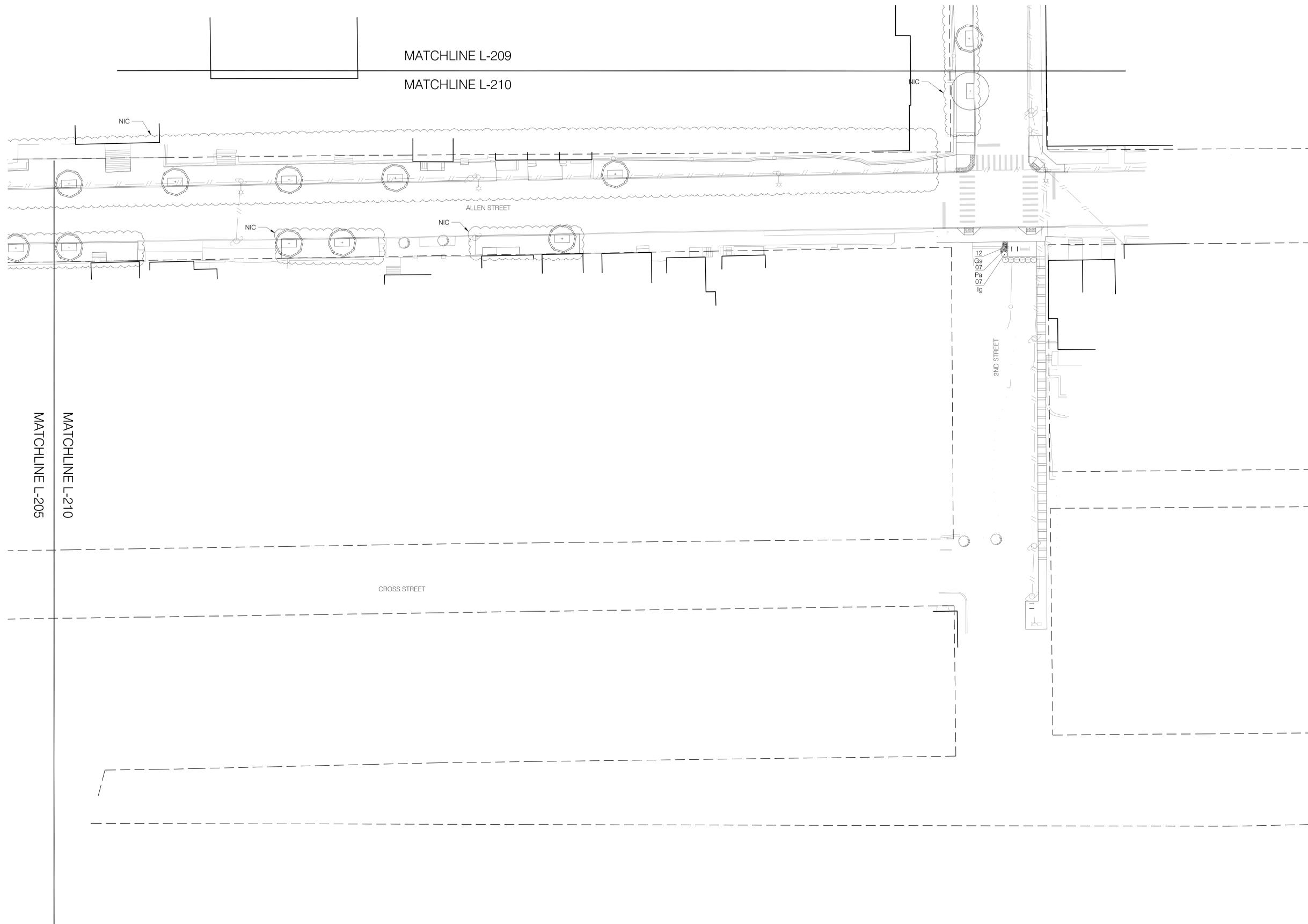
KEY PLAN

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Issue:		
No.	Date	Remarks

Sheet Title: PLANTING PLAN			
Drawn By: FT, LS, BP	L-209	Project Number: 02-2021-134.1	
Checked By: JR			Sheet: 33 of 89
Date: 06/09/2022			
Scale: 1" = 20' - 0"			





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Tel (518) 828-1030
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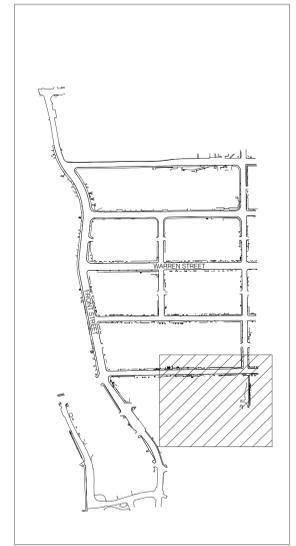
Role: (Urban Design + Landscape Architecture)



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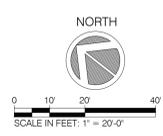
Consultant:
Creighton Manning Engineering
2 Winners Circle, Suite 201
Albany, NY 12205
Tel 518.446.0396
website http://www.cmellp.com/

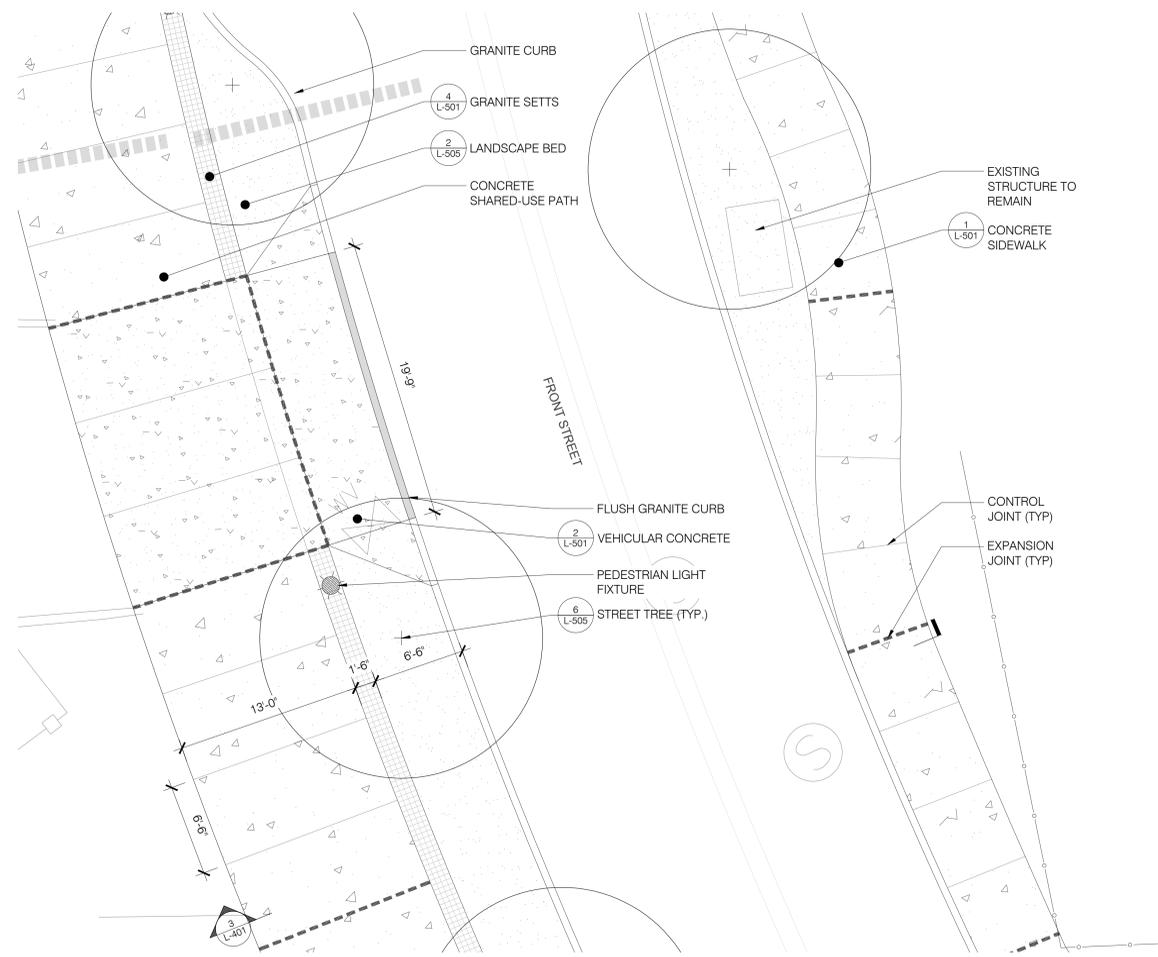


100% CD SUBMISSION

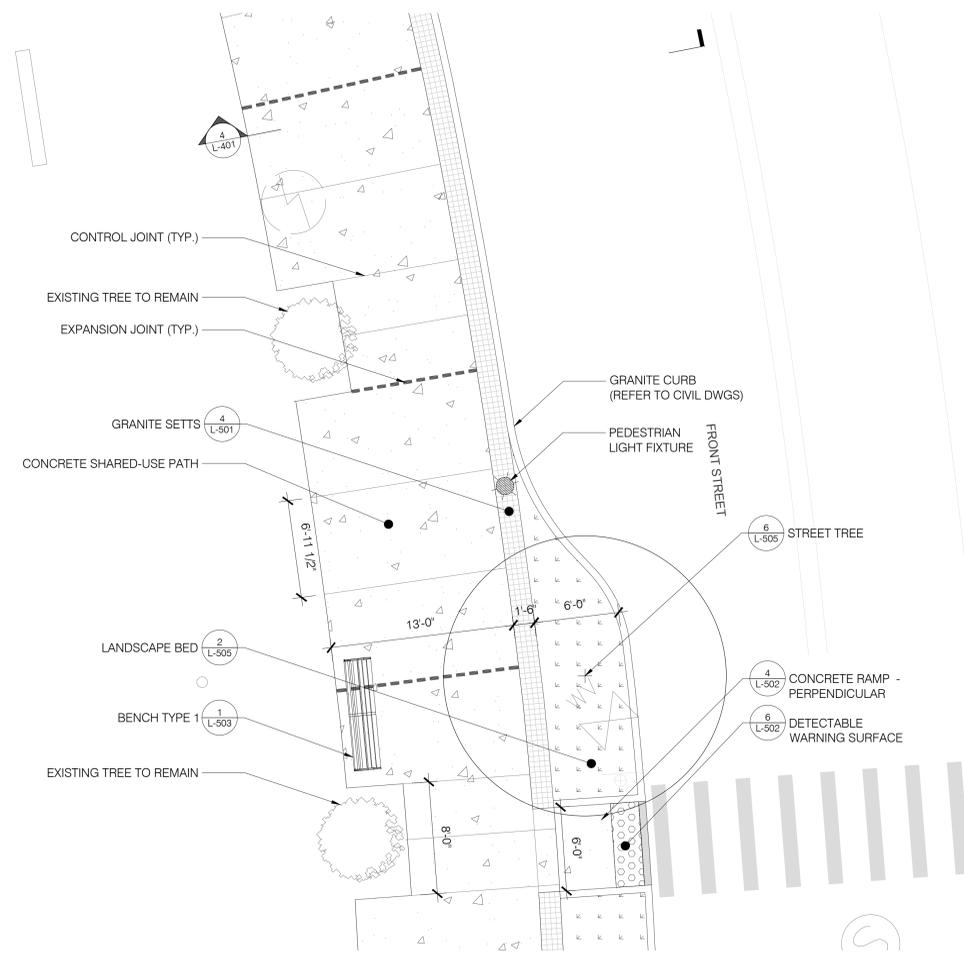
Issue:		
No.	Date	Remarks

Sheet Title: PLANTING PLAN		
Drawn By: FT, LS, BP	L-210	Sheet: 34 of 89
Checked By: JR		
Date: 06/09/2022		
Scale: 1" = 20' - 0"		
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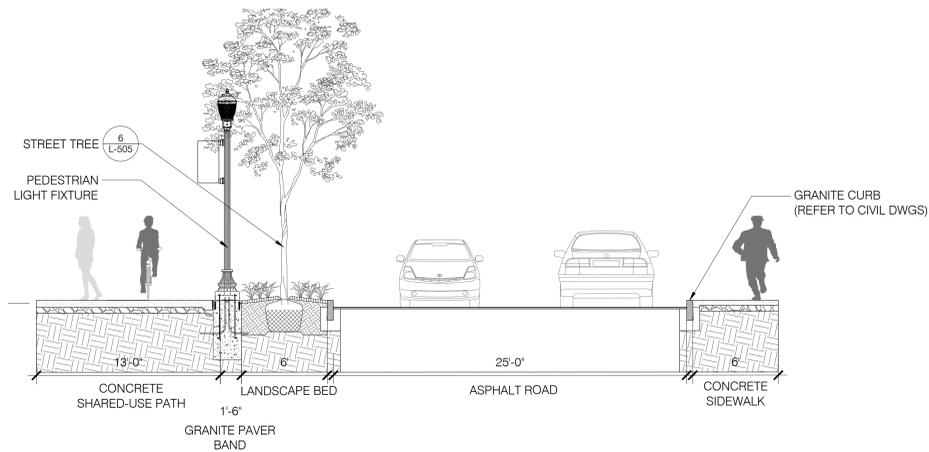




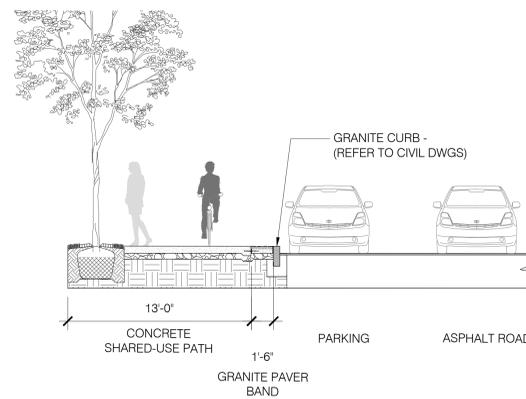
1 TYPICAL FRONT STREET ENLARGEMENT 1
SCALE: 1" = 5'-0"



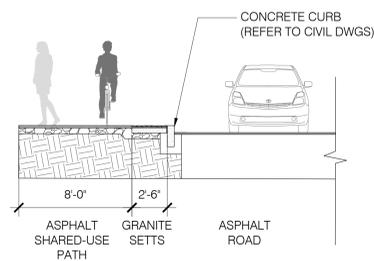
2 TYPICAL FRONT STREET ENLARGEMENT 2
SCALE: 1" = 5'-0"



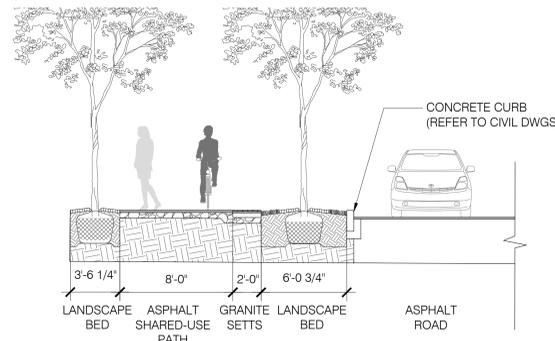
3 TYPICAL FRONT STREET SECTION 1
SCALE: 1" = 5'-0"



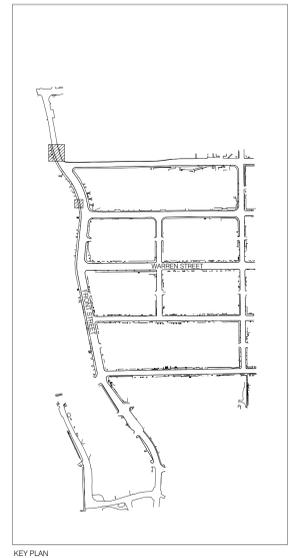
4 TYPICAL FRONT STREET SECTION 2
SCALE: 1" = 5'-0"



5 TYPICAL STATE STREET ASPHALT PATH SECTION 1
SCALE: 1" = 5'-0"



6 TYPICAL STATE STREET ASPHALT PATH SECTION 2
SCALE: 1" = 5'-0"

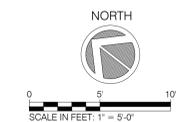


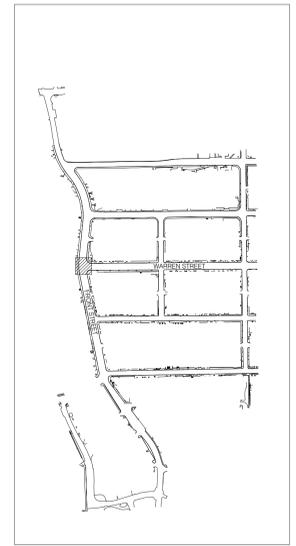
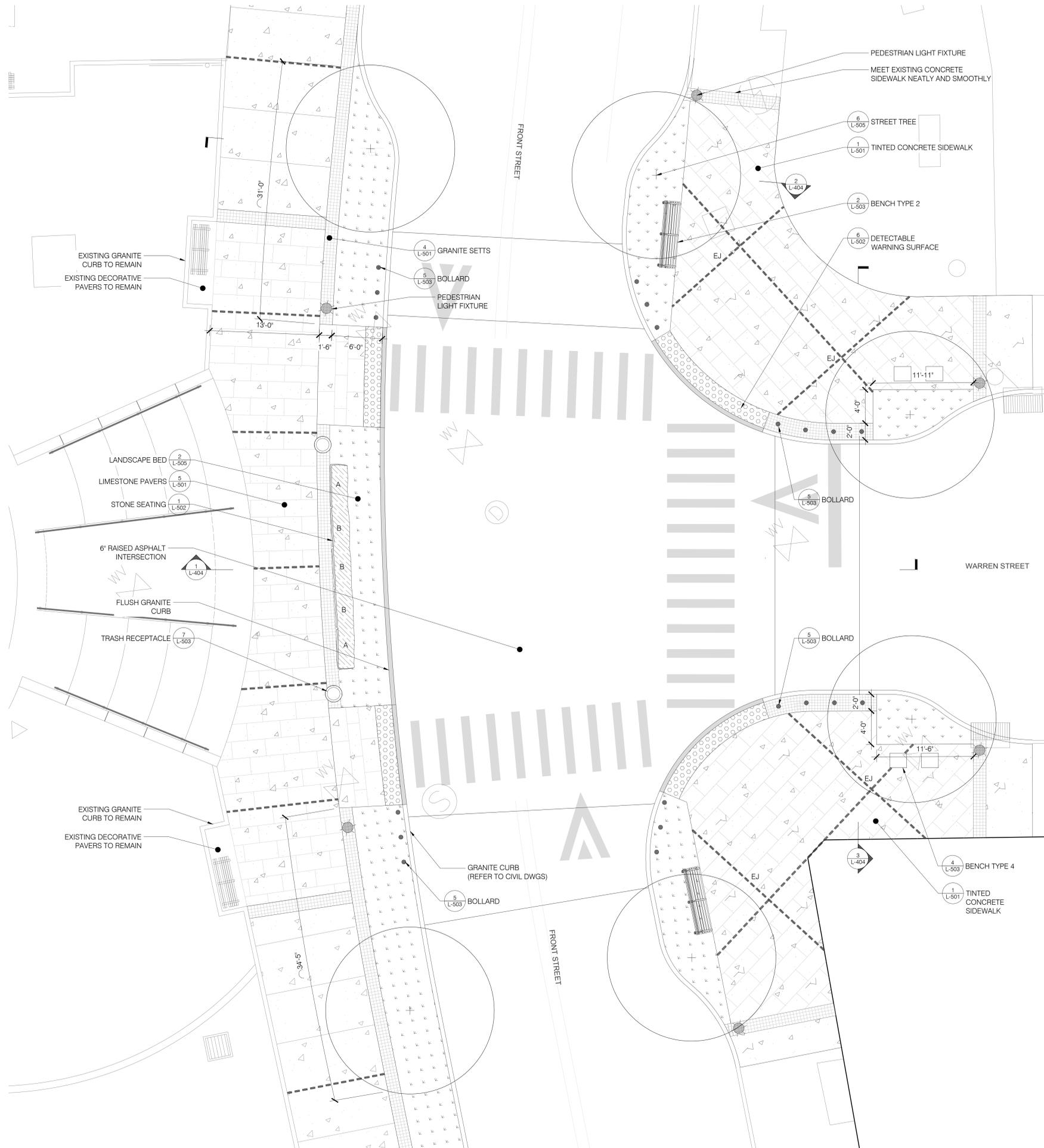
KEY PLAN

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Issue No.	Date	Remarks

Sheet Title: ENLARGEMENT PLANS & SECTIONS	
Drawn By: FT, LS, BP	L-401
Checked By: JR	
Date: 06/09/2022	
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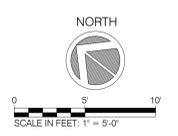
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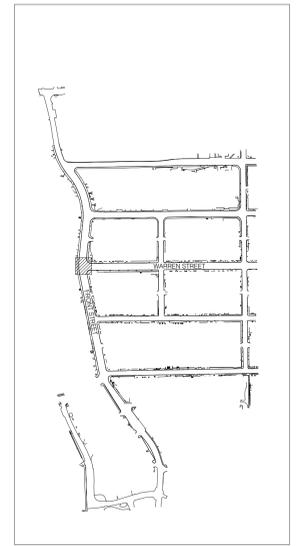
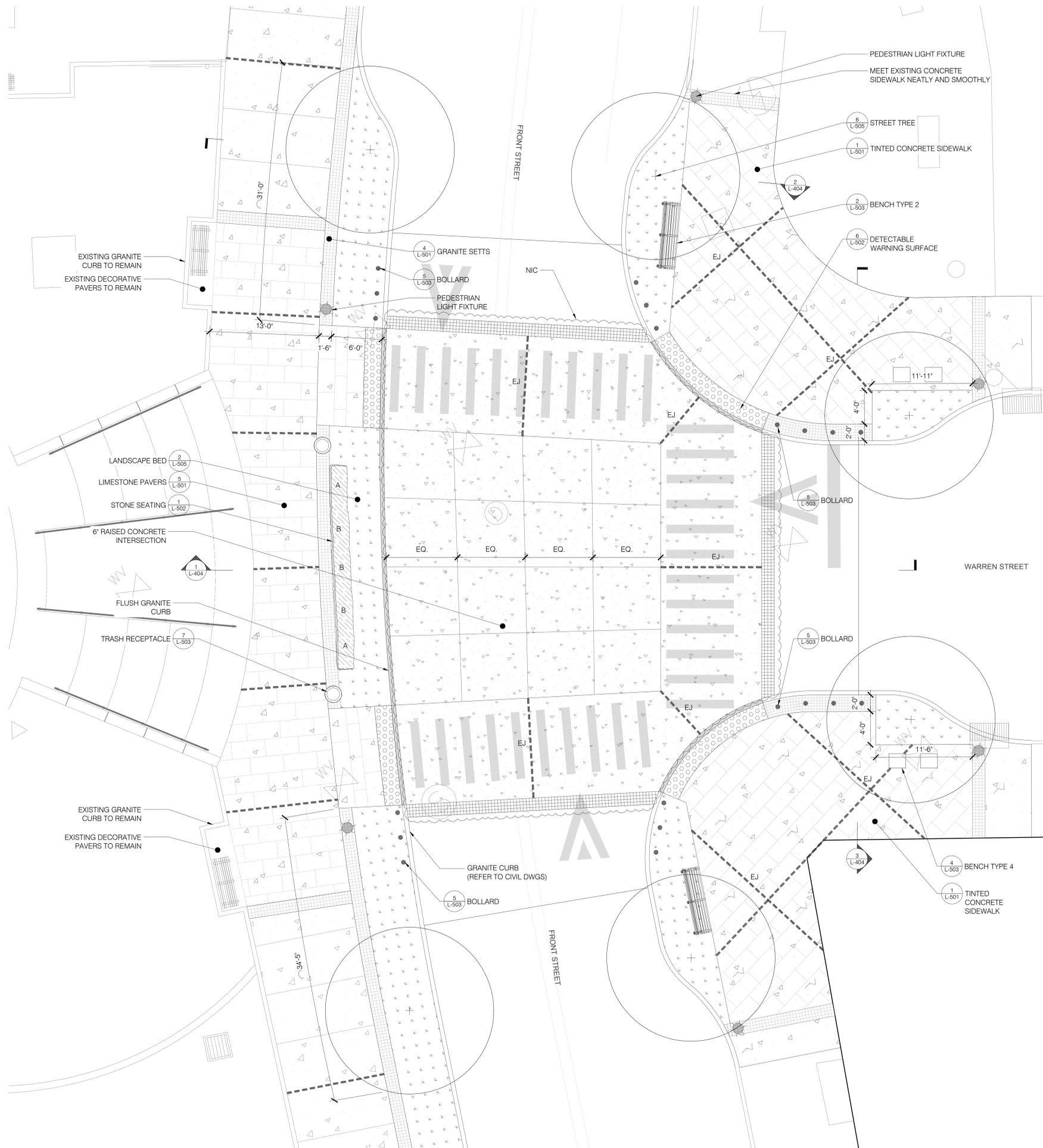
Issue:

No.	Date	Remarks

Sheet Title: ENLARGEMENT PLANS & SECTIONS	
Drawn By: FT, LS, BP	L-402
Checked By: JR	
Date: 06/09/2022	
Scale: 1" = 5'-0"	
Project Number: 02-2021-134.1	Sheet: 37 of 89

1 INTERSECTION ENLARGEMENT 1
SCALE: 1" = 5'-0"





KEY PLAN

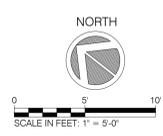
100% CD SUBMISSION

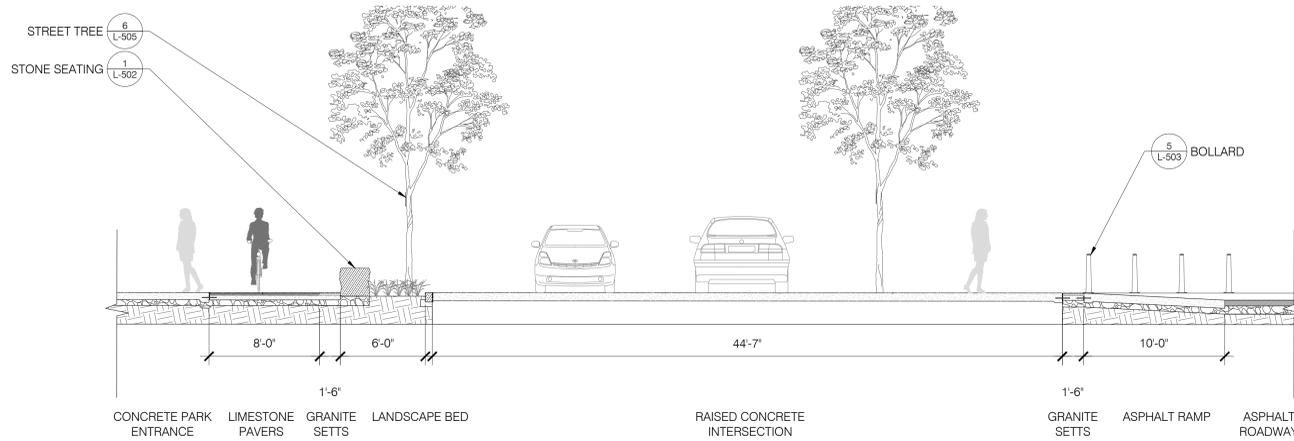
Issue:

No.	Date	Remarks

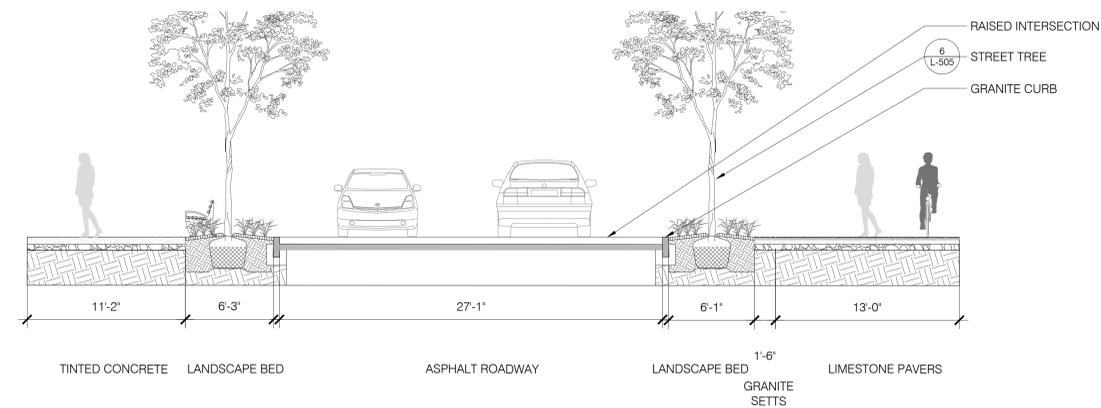
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Drawn By: FT, LS, BP	L-403
Checked By: JR	
Date: 06/09/2022	
Scale: 1" = 5' - 0"	
Project Number: 02-2021-134.1	
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1 INTERSECTION ENLARGEMENT 1 - NIC
SCALE: 1" = 5'-0"

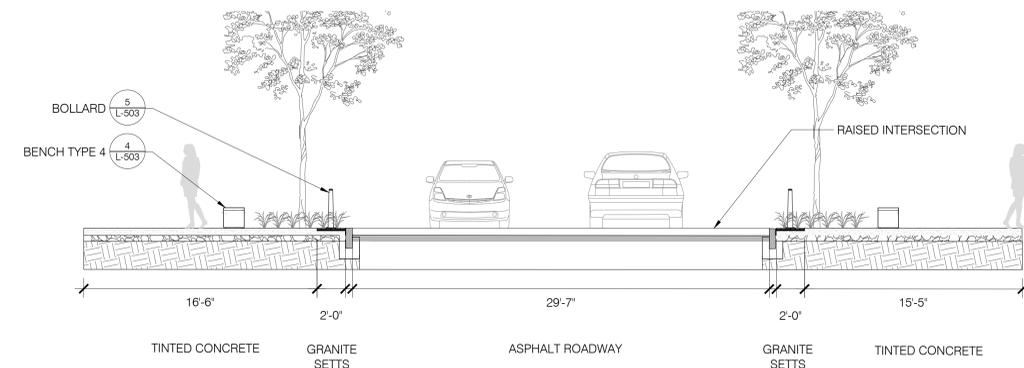




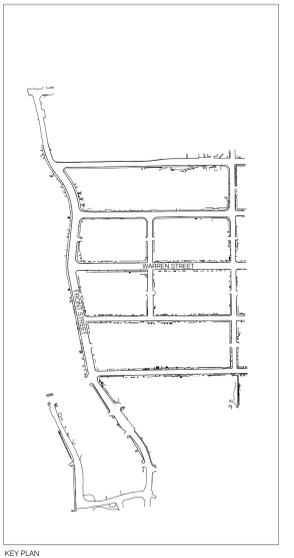
1 INTERSECTION SECTION 1
SCALE: 1" = 5'-0"



2 INTERSECTION SECTION 2
SCALE: 1" = 5'-0"



3 INTERSECTION SECTION 3
SCALE: 1" = 5'-0"



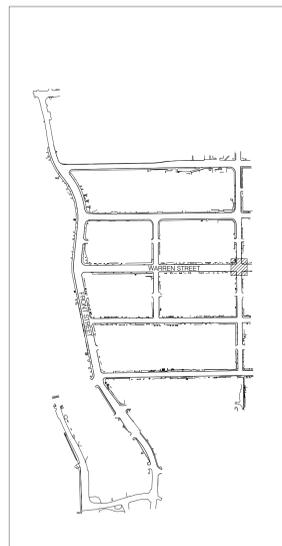
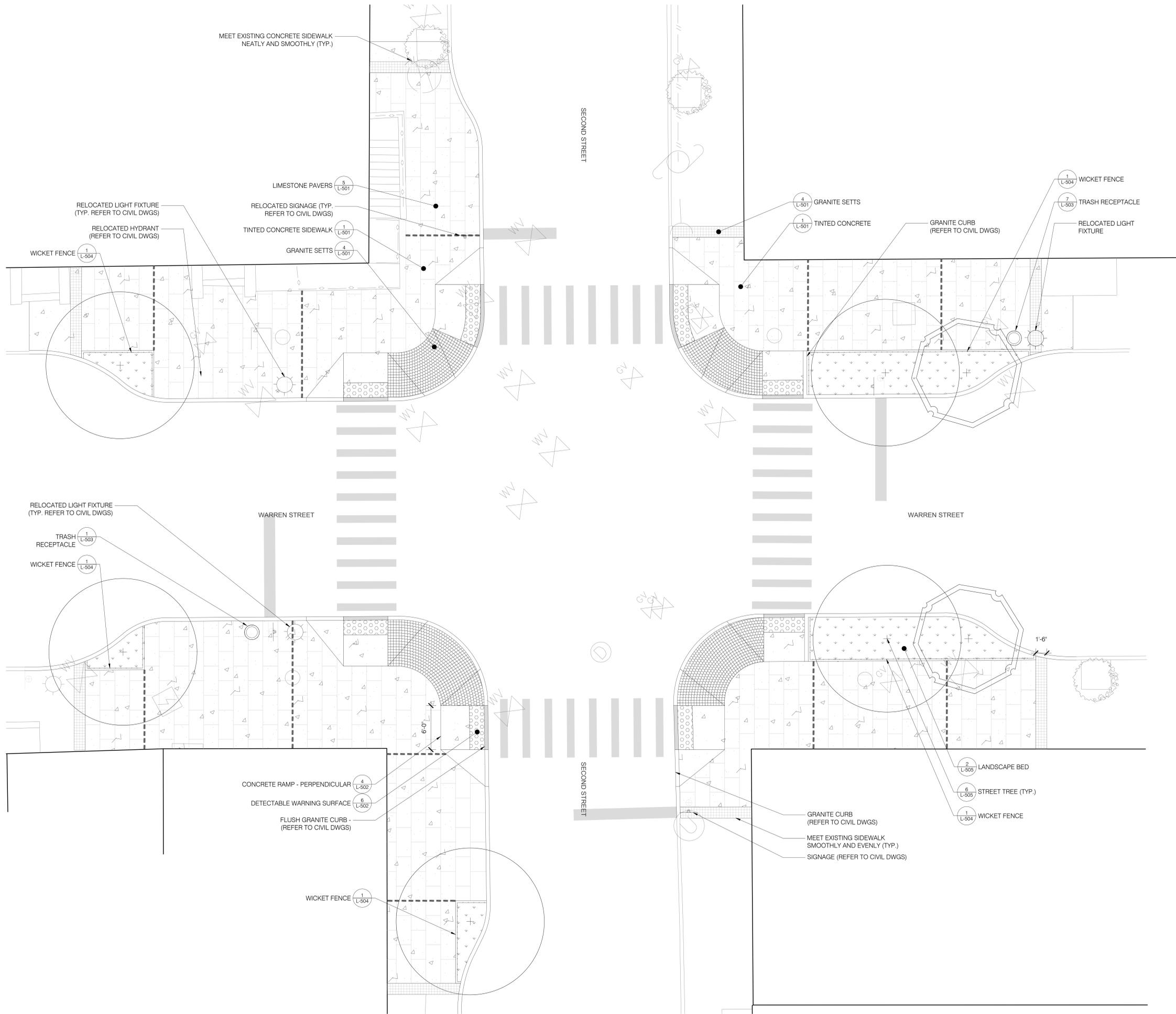
KEY PLAN

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Issue:		
No.	Date	Remarks

Sheet Title: ENLARGEMENT PLANS & SECTIONS	
Drawn By: FT, LS, BP	L-404
Checked By: JR	
Date: 06/09/2022	
Scale: 1" = 5'-0"	
Project Number: 02-2021-134.1	Sheet: 38 of 89





KEY PLAN

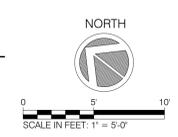
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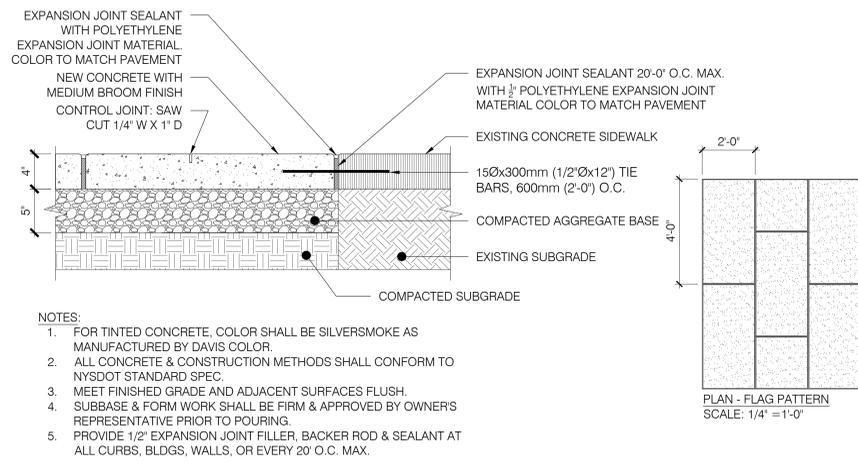
Issue:

No.	Date	Remarks

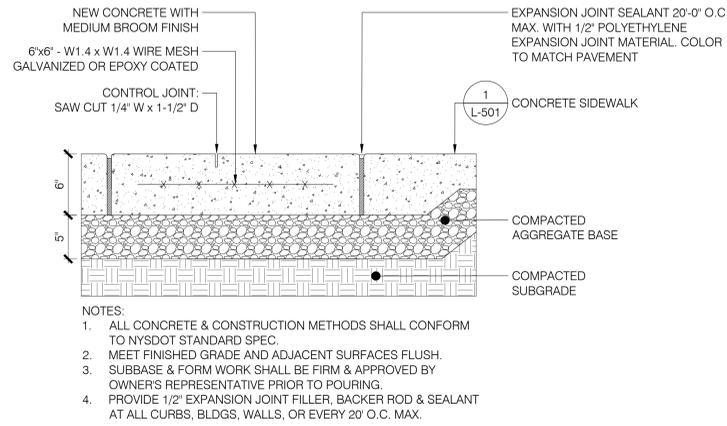
Sheet Title: ENLARGEMENT PLANS & SECTIONS	
Drawn By: FT, LS, BP	L-405
Checked By: JR	
Date: 06/09/2022	Scale: 1" = 5' - 0"
Project Number: 02-2021-134.1	Sheet: 39 of 89

1 INTERSECTION ENLARGEMENT 2 - ALT #1
SCALE: 1" = 5'-0"

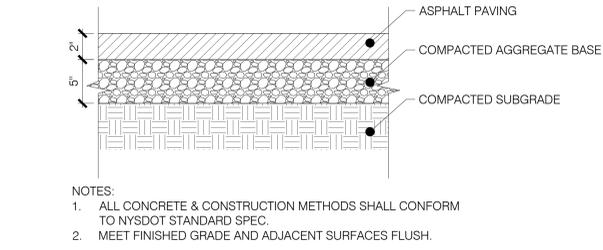




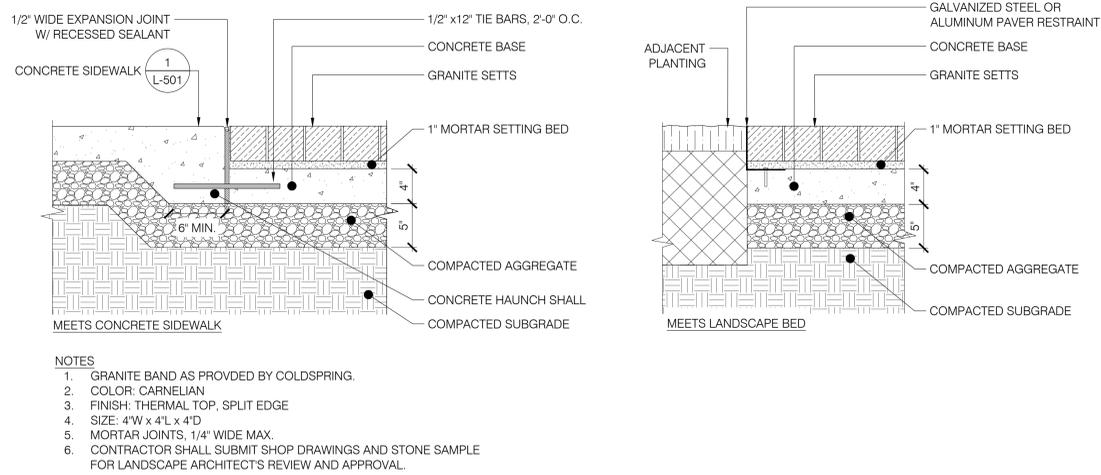
1 CONCRETE SIDEWALK
 SCALE: 1-1/2" = 1'



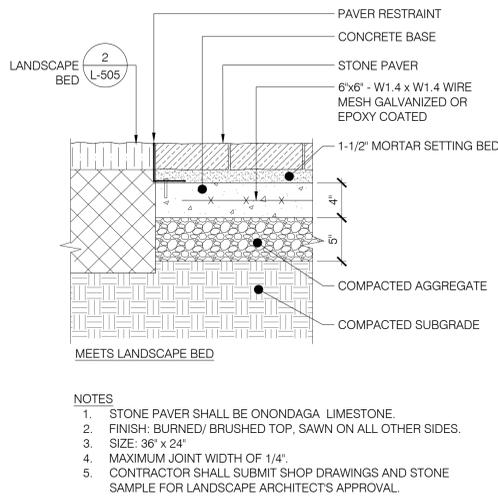
2 VEHICULAR CONCRETE
 SCALE: 1-1/2" = 1'



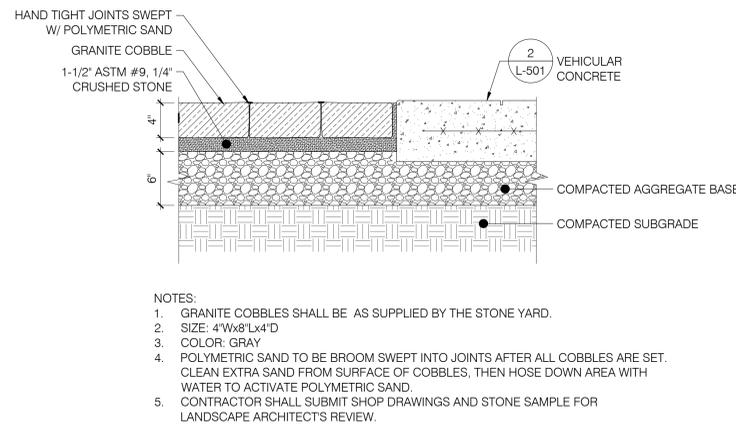
3 ASPHALT SHARED-USE PATH
 SCALE: 1-1/2" = 1'



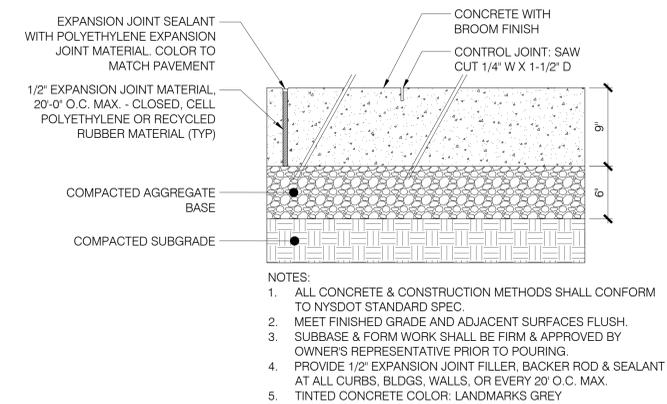
4 GRANITE SETTS
 SCALE: 1-1/2" = 1'



5 LIMESTONE PAVERS
 SCALE: 1-1/2" = 1'



6 COBBLESTONE APRON - ALTERNATE #2
 SCALE: 1-1/2" = 1'



7 CONCRETE ROADWAY
 SCALE: 1-1/2" = 1'

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Issue No.	Date	Remarks

Sheet Title: CONSTRUCTION DETAILS	
Drawn By: FT, LS, BP	L-501
Checked By: JR	
Date: 06/09/2022	
Scale: AS NOTED	
Project Number: 02-2021-134.1	
Sheet: 40 of 89	

Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

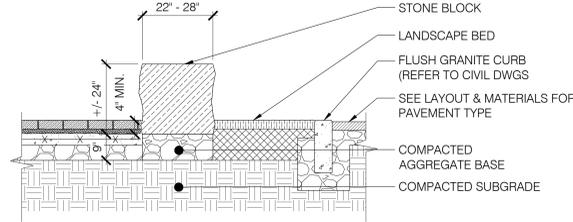
Role: (Urban Design + Landscape Architecture)

Arterial

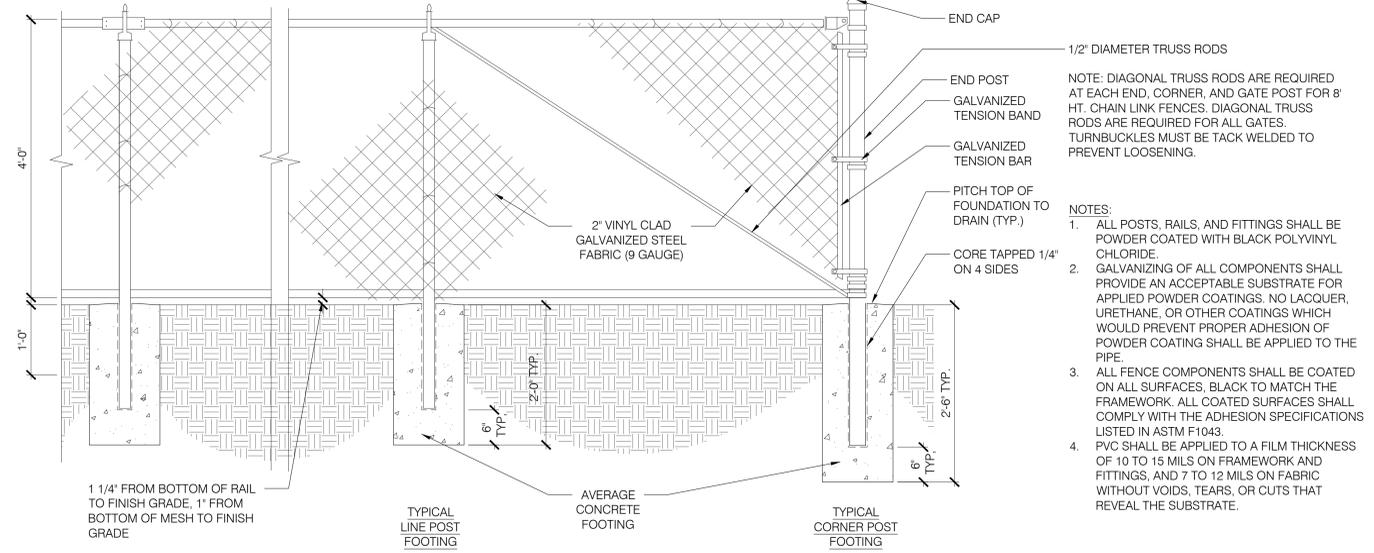
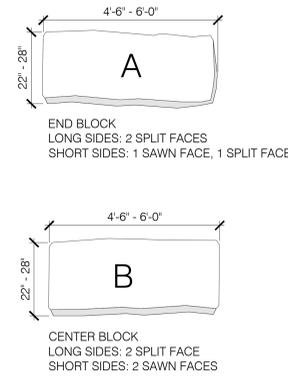
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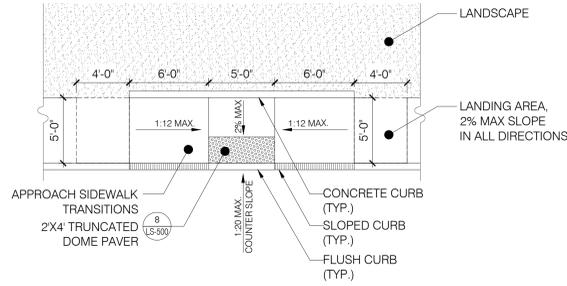


- NOTES**
- STONE BLOCKS SHALL MATCH THOSE AT PROMENADE HILL PARK.
 - ALL STONE BLOCKS SHALL HAVE SAWN TOP WITH BURNED AND BRUSHED FINISH, AND SAWN BOTTOM.
 - FRONT FACE OF STONE SHALL BE SHORTER THAN BACK FACE FOR DRAINAGE PURPOSES.
 - LANDSCAPE ARCHITECT TO REVIEW PLACEMENT OF BLOCKS PRIOR TO FINAL INSTALLATION.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND STONE SAMPLE FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL FOR ALL STONE ELEMENTS.
 - NO SHARP EDGES OR PROTRUSIONS WILL BE ACCEPTED.

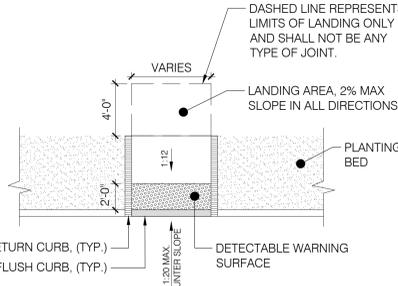


- NOTE:** DIAGONAL TRUSS RODS ARE REQUIRED AT EACH END, CORNER, AND GATE POST FOR 8 HT. CHAIN LINK FENCES. DIAGONAL TRUSS RODS ARE REQUIRED FOR ALL GATES. TURNBUCKLES MUST BE TACK WELDED TO PREVENT LOOSENING.
- NOTES:**
- ALL POSTS, RAILS, AND FITTINGS SHALL BE POWDER COATED WITH BLACK POLYVINYL CHLORIDE.
 - GALVANIZING OF ALL COMPONENTS SHALL PROVIDE AN ACCEPTABLE SUBSTRATE FOR APPLIED POWDER COATINGS. NO LACQUER, URETHANE, OR OTHER COATINGS WHICH WOULD PREVENT PROPER ADHESION OF POWDER COATING SHALL BE APPLIED TO THE PIPE.
 - ALL FENCE COMPONENTS SHALL BE COATED ON ALL SURFACES. BLACK TO MATCH THE FRAMEWORK. ALL COATED SURFACES SHALL COMPLY WITH THE ADHESION SPECIFICATIONS LISTED IN ASTM F1043.
 - PVC SHALL BE APPLIED TO A FILM THICKNESS OF 10 TO 15 MILS ON FRAMEWORK AND FITTINGS, AND 7 TO 12 MILS ON FABRIC WITHOUT VOIDS, TEARS, OR CUTS THAT REVEAL THE SUBSTRATE.

1 STONE SEATING
SCALE: 3/4" = 1'

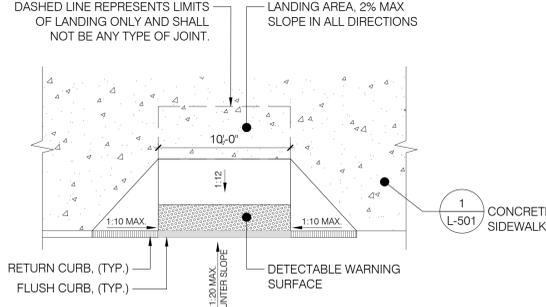


- NOTES:**
- CURB RAMPS SHALL BE WHOLLY CONTAINED WITHIN THE MARKED CROSSING, EXCLUDING THE FLARED SIDES.
 - WHENEVER POSSIBLE, CURB RAMP SHALL BE PERPENDICULAR TO THE CURB.
 - CONTRACTOR TO CONFIRM THAT CURB RAMPS ARE DESIGNED AND CONSTRUCTED IN COMPLIANCE WITH CURRENT ADA GUIDELINES.

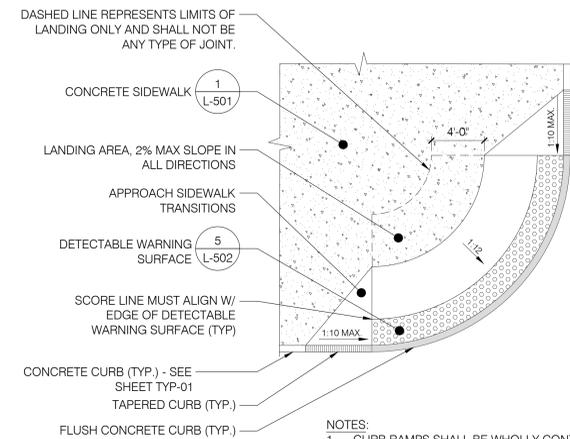


- CURB RAMP MEETS PLANTING**
- NOTES:**
- CONTRACTOR TO CONFIRM THAT CURB RAMPS ARE DESIGNED AND CONSTRUCTED IN COMPLIANCE WITH CURRENT ADA GUIDELINES.

2 CHAIN LINK FENCE
SCALE: 1/8" = 1'

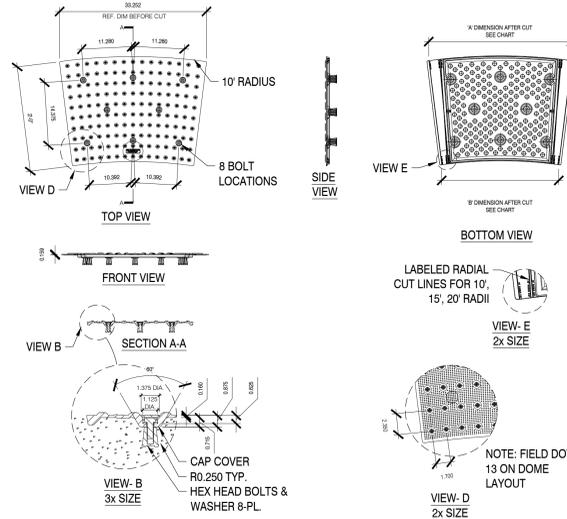


CURB RAMP MEETS PAVEMENT



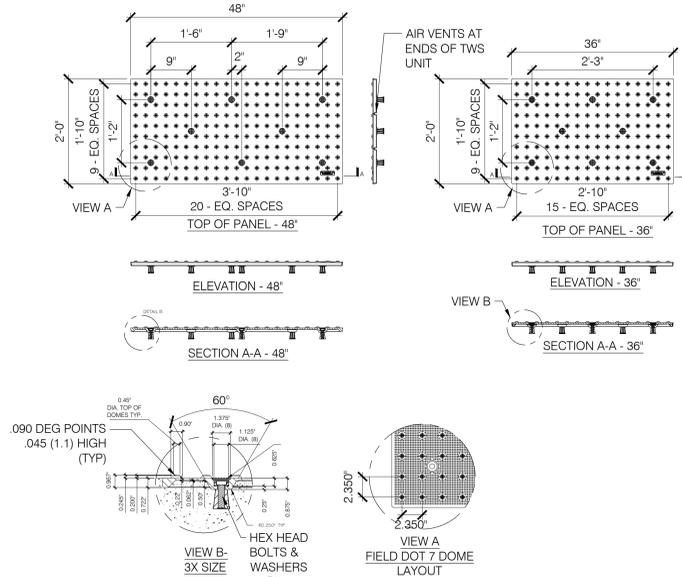
- NOTES:**
- CURB RAMPS SHALL BE WHOLLY CONTAINED WITHIN THE MARKED CROSSING, EXCLUDING THE FLARED SIDES.
 - CONTRACTOR TO CONFIRM THAT CURB RAMPS ARE DESIGNED AND CONSTRUCTED IN COMPLIANCE WITH CURRENT ADA GUIDELINES.

3 CURB RAMP - PARALLEL
SCALE: 3/16" = 1'



4 CURB RAMP - PERPENDICULAR
SCALE: 3/16" = 1'

- NOTES:**
- TRUNCATED DOME PAVERS AS MFD. BY ADA SOLUTIONS, INC., NORTH BILLERICA, MA 01862, (800) 372-0519, HTTP://ADATILE.COM, INFO@ADATILE.COM, OR APPROVED EQUAL.
 - TYPE: CAST IN PLACE REPLACEABLE TACTILE, RADIUS DOME DETECTABLE WARNING SYSTEMS
 - PAVER: TACTILE PAVER
 - MATERIAL: GLASS & CARBON COMPOSITE
 - COLOR: DARK GREY, WHITE DEPENDING ON LOCATION
 - ALL ADA CURB RAMPS WITH A RADIAL CURB TO USE THIS TACTILE PAVER FOR THE DETECTABLE WARNING SURFACE.
 - REFER TO PLANS FOR SIZES.



TRUNCATED DOME PAVERS AS MFD. BY ADA SOLUTIONS, INC. P.O. BOX 3, NORTH BILLERICA, MA 01862
TEL: (800) 372. 0519
FAX: (978) 262. 9125
HTTP://ADATILE.COM
EMAIL: INFO@ADATILE.COM

TYPE: CAST-IN PLACE REPLACEABLE TRUNCATED DOME DETECTABLE WARNING SYSTEMS
PAVER: TACTILE PAVER
MATERIAL: GLASS & CARBON COMPOSITE
COLOR: DARK GREY
NOTE: ALL ADA CURB RAMPS WITH A STRAIGHT CURB TO USE THIS TACTILE PAVER FOR THE DETECTABLE WARNING SURFACE.

6 DETECTABLE WARNING SURFACE
SCALE: 3/4" = 1'



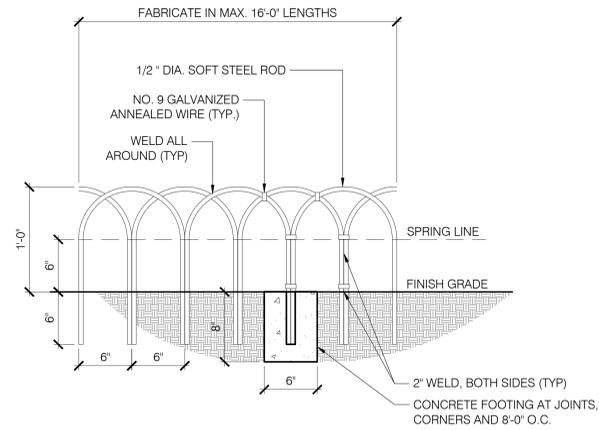
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Issue:

No.	Date	Remarks

Sheet Title:
CONSTRUCTION DETAILS

Drawn By: FT, LS, BP	L-502
Checked By: JR	
Date: 06/09/2022	
Scale: AS NOTED	
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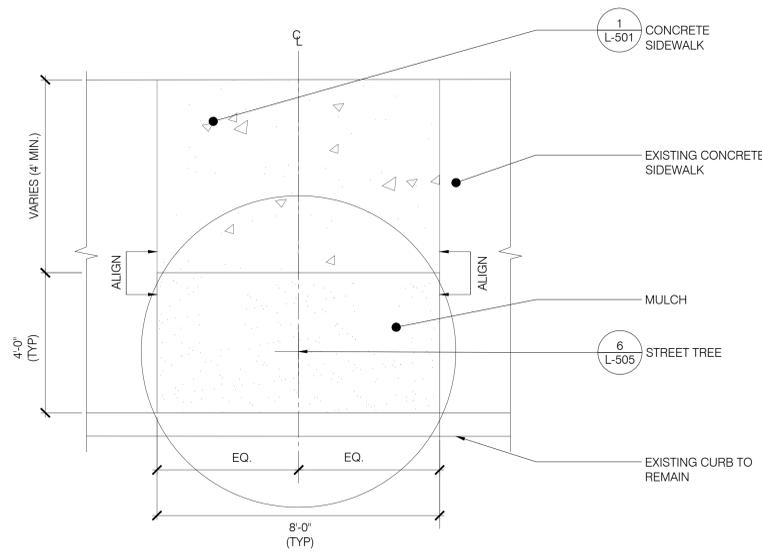


NOTES:

1. WICKET FENCE SHALL BE AS MANUFACTURED BY SHANNON GATES AND RAILINGS, CUSTOM FABRICATIONS INC. OR APPROVED EQUAL.
2. CONCRETE FOOTINGS SHALL COMPLY WITH NYS DOT STANDARDS.
3. THE FENCE SHALL RECEIVE (3) COATS OF PAINT. THE FIRST COAT SHALL BE SHOP APPLIED IMMEDIATELY AFTER FABRICATION. THE SECOND AND THIRD COAT SHALL BE APPLIED IN THE FIELD.
 - 3.1. FIRST COAT: DIRECT TO METAL ALKYD SEMI GLOSS PRIMER. COLOR SHALL BE BLACK.
 - 3.2. SECOND AND THIRD COAT: DIRECT TO METAL ALKYD SEMI GLOSS PAINT. COLOR SHALL BE BLACK.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR LANDSCAPE ARCHITECT'S REVIEW.

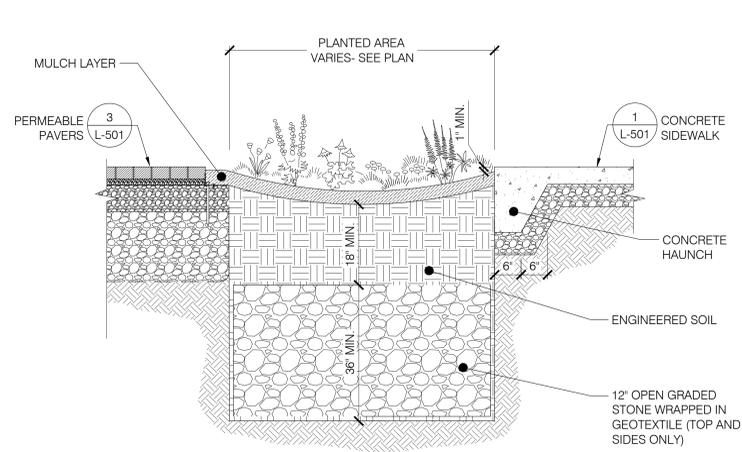
1 WICKET FENCE

SCALE: 1-1/2" = 1'



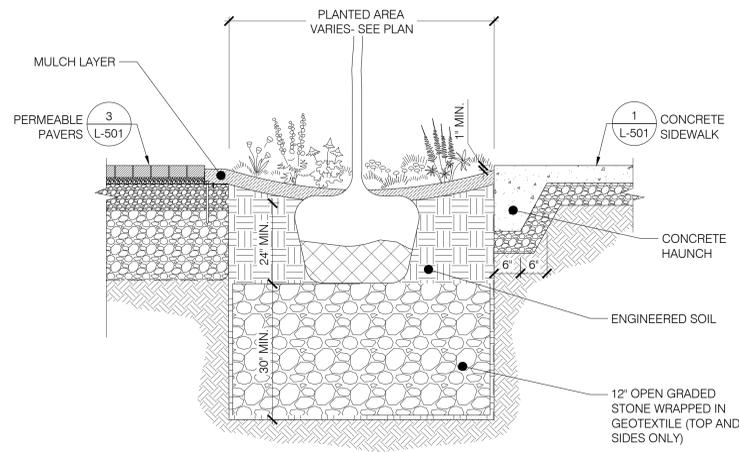
2 TREE PIT

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



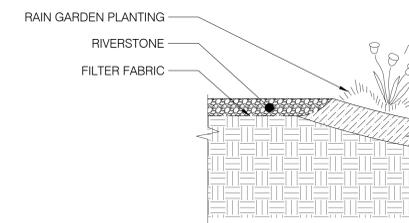
3 PERENNIAL RAIN GARDEN PLANTING

SCALE: 3/4" = 1'-0"



4 TREE RAIN GARDEN PLANTING

SCALE: 3/4" = 1'-0"



NOTES:
STONE SHALL BE 1"-3" DELAWARE RIVERSTONE AS SUPPLIED BY WIKI STONE OR APPROVED EQUAL.

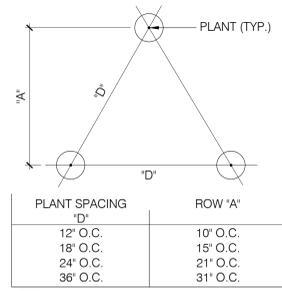
4 RIVERSTONE

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

100% CD SUBMISSION

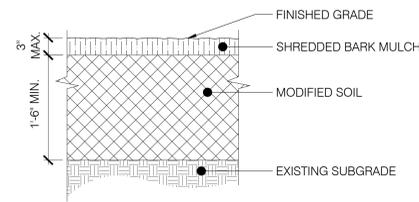
Issue No.	Date	Remarks

Sheet Title: CONSTRUCTION DETAILS	
Drawn By: FT, LS, BP	L-504
Checked By: JR	
Date: 06/09/2022	
Scale: AS NOTED	
Project Number: 02-2021-134.1	
Sheet: 43 of 89	

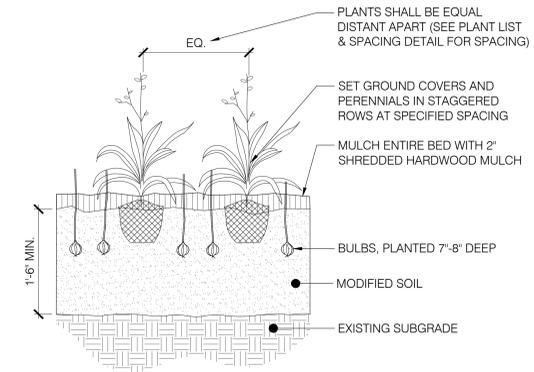


NOTE:
GROUNDCOVERS AND PERENNIALS
TO BE INSTALLED WITH TRIANGULAR SPACING

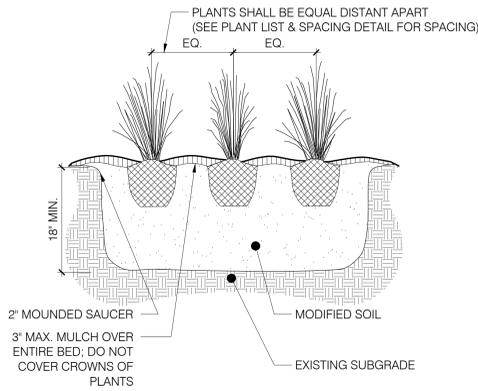
1 PLANT SPACING
SCALE: 3/4" = 1'



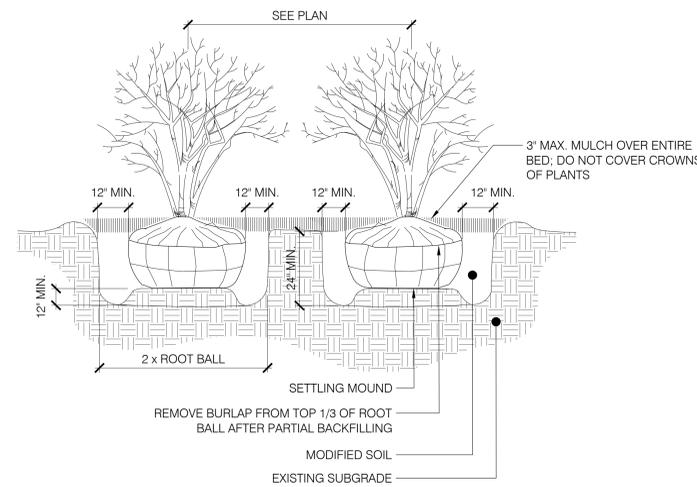
2 LANDSCAPE BED
SCALE: 1" = 1'-0"



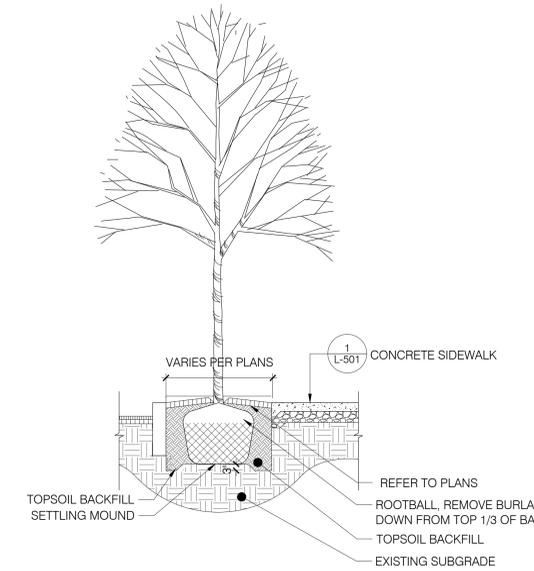
3 GROUNDCOVER/ PERENNIAL PLANTING
SCALE: 1" = 1'-0"



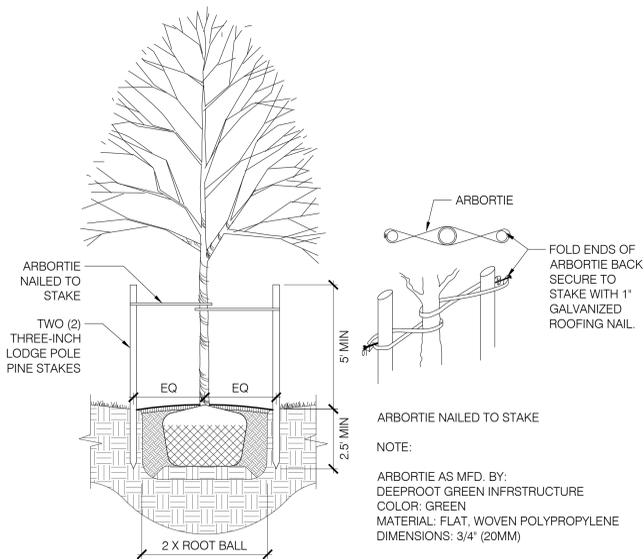
4 ORNAMENTAL GRASS PLANTING
SCALE: 1" = 1'-0"



5 SHRUB PLANTING
SCALE: 1" = 1'



6 STREET TREE
SCALE: 3/8" = 1'-0"



7 TREE STAKING
SCALE: 3/8" = 1'-0"

100% CD SUBMISSION

Issue No.	Date	Remarks

Sheet Title: CONSTRUCTION DETAILS	
Drawn By: FT, LS, BP	L-505
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Role: (Urban Design + Landscape Architecture)



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ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			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	Ⓐ	IANT_P	ANTENNAS	Ⓐ	MDL1P	DEED LINE, TYPE 1	Ⓐ	S	SINGLE POST	Ⓐ	UEB	ELECTRIC, BOX
+	ACOGO	COGO	Ⓐ	DS	STRUCTURE, RECTANGULAR	Ⓐ	IASCTS	ACCOU. SPEED/COUNT SNSR.S	Ⓐ	MDL2P	DEED LINE, TYPE 2	Ⓐ	S.P	SINGLE POST, PROPOSED	Ⓐ	UEM	ELECTRIC, METER
⊙	ACS	CURVE TO SPIRAL	+	DSI	STRUCTURE, INVERT	Ⓐ	ICABPAD	CABINET & PAD	Ⓐ	MDL3P	DEED LINE, TYPE 3	Ⓐ	SB.P	BACK TO BACK, PROPOSED	Ⓐ	UEMH	ELECTRIC, MANHOLE
⊙	ADPL_P	DETOUR, POINT OF INTERSECT.	⊙	DSM	STRUCTURE, MANHOLE	Ⓐ	ICCTV	CCTV SITE	Ⓐ	MDL4P	DEED LINE, TYPE 4	Ⓐ	SDEL	DELINEATORS	Ⓐ	UEPT	ELECTRIC, POLE, TRANS.
⊙	ADPL_P	DETOUR, POINT ON LINE	⊙	DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96	Ⓐ	ICDPD	CDPD TRANSCEIVER	Ⓐ	MDL5P	DEED LINE, TYPE 5	Ⓐ	SPM	PARKING METER	Ⓐ	UGM	GAS, METER
⊙	AEQN	EQUATION	⊙	DSR	STRUCTURE, ROUND	Ⓐ	ICELT	CELL PHONE TOWER	⊙	MEEP	EASEMENT, EXISTING	Ⓐ	SRM	REFERENCE MARKERS	⊙	UGMH	GAS, MANHOLE
⊙	AEQNAHD	EQUATION AHEAD	⊙	DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	Ⓐ	ICJUB	CONDUIT JACK OR BORING	Ⓐ	MEPAP_P	EASEMENT, PERM., APPROX.	⊙	SRSC3	SHLD, CTY, 123 DIG.	⊙	UGLM	GAS, LINE MARKER
⊙	AEQNBK	EQUATION BACK	⊙	DST"X"CB_P	STRUCTURE, RECT., TYPE "X" "X" = F, G, N, O, P, R	Ⓐ	ICNTLCAB	CONTROLLER CABINET	⊙	MEPP_P	EASEMENT, PERM., BACK LINE	⊙	SRSC4	SHLD, CTY, 4 DIG.	Ⓐ	UGP	GAS/FUEL PUMP
⊙	AEVT	EVENT STATION	⊙	DST"X"CB_P	STRUCTURE, RECT., TYPE "X" "X" = F, G, N, O, P, R	Ⓐ	ICPB	COMMUNICATION PULL BOX	⊙	MEPSP_P	EASEMENT, PERM., SHAPE	⊙	SRSC2	SHLD, CTY TOUR, 1-2 DIG.	Ⓐ	UGV	GAS, VALVE
⊙	APC	POINT OF CURVATURE	⊙	DST"X"CB_P	STRUCTURE, RECT., TYPE "X" "X" = F, G, N, O, P, R	Ⓐ	ICTD	CONDUIT TURNING DOWN	⊙	MEPAP_P	FEE ACQUISITION, APPROX.	⊙	SRSC4	SHLD, CTY TOUR, 3-4 DIG.	⊙	UGVT	GAS, VENT
⊙	APCC	POINT OF COMPOUND CURVATURE	⊙	DST"X"CB_P	STRUCTURE, RECT., TYPE "X" "X" = F, G, N, O, P, R	Ⓐ	ICTU	CONDUIT TURNING UP	⊙	MFP_P	FEE ACQUISITION, BACK LINE	⊙	SRS1	SHLD, INTERSTATE	⊙	ULP	LIGHTING, POLE
⊙	API	POINT OF INTERSECTION	ENVIRONMENTAL			⊙	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	⊙	MFSP_P	FEE ACQUISITION, SHAPE	⊙	SRS2	SHLD, NATIONAL, 2 DIG.	⊙	ULPM	LIGHTING, POLE, MEDIAN
⊙	APOB	POINT OF BEGINNING	⊙	EIOP_P	STR., INLET, OUTLET PROT.	+	IDEFAULT	DEFAULT	⊙	MHBAP	HIGHWAY BNDRY., APPROX.	⊙	SRS3	SHLD, NATIONAL, 3 DIG.	⊙	ULPP	LIGHTING, POLE, PED.
⊙	APOC	POINT OF CURVATURE	⊙	EIPGB_P	STR., INLET PROT., GRAVEL BAG	Ⓐ	IEZR	E-ZPASS READER	⊙	MHBCP	HISTORICAL, BLDG. CORNERS	⊙	SRS52	SHLD, STATE, 2 DIG.	⊙	UMFC	MISC. FILLER CAP
⊙	APOE	POINT OF END	⊙	EIPHS_P	STR., INLET PROT., HAY/STRAW	Ⓐ	IEZTR	TRANSMITTAL READER	⊙	MHBP	HIGHWAY BNDRY, PT.	⊙	SRS53	SHLD, STATE, 3 DIG.	⊙	UOLM	OIL, LINE MARKER
⊙	APOL	POINT ON LINE	⊙	EIPSP_P	STR., INLET PROT., PREFAB.	Ⓐ	IFOXCB	FIBER OPTIC X-CONNECT CABINET	⊙	MJCP	PT., JURIS. CITY	⊙	SRS54	SHLD, STATE, 4 DIG.	⊙	UP	POLE, WITH UTILITY
⊙	APOS	POINT ON SPIRAL	⊙	EIPSF_P	STR., INLET PROT., SILT FENCE	Ⓐ	IFUSSPL	FUSION SPLICE	⊙	MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL			⊙	UPD	POLE, DEAD (NO UTILITY)
⊙	APOT	POINT ON TANGENT	⊙	ERCB	RISER, CONCRETE BOX	Ⓐ	IHARADV	HAR ADVISORY SIGN	⊙	MPCC	PT., CROSS CUT	⊙	TCBJ	BOX, JUNCTION	⊙	UPL	POLE, WITH LIGHT
⊙	APOVC	POINT ON VERTICAL CURVE	⊙	ETRS_P	TRAP, SEDIMENT	Ⓐ	IHARST	HAR SITE	⊙	MPDH	PT., DRILL HOLE	⊙	TCBP	BOX, PULL BOX	⊙	USMH	SANITARY SEWER MANHOLE
⊙	APOVT	POINT ON VERTICAL TANGENT	⊙	EWFG	WETLAND FLAG	Ⓐ	ILC	LOAD CENTER	+	MPF	PT., FENCE LOCATION	⊙	TCBS	BOX, SPLICE	⊙	UTB	TELEPHONE, BOOTH
⊙	APORC	POINT ON REVERSE CURVE	GEOTECHNICAL			Ⓐ	IMCSPL	MECHANICAL SPLICE	⊙	MPIP	PT., IRON PIPE	⊙	TCMC	MICROCOMPUTER CABINET	⊙	UTLM	TELEPHONE, LINE MARKER
⊙	APT	POINT OF TANGENCY	⊙	GDH	DRILL HOLE	Ⓐ	IMSCS	PORT. SPEED & COUNT SENSOR	⊙	MPJR	PT., IRON ROD	⊙	TCPP	PED POLE	⊙	UTMH	TELEPHONE, MANHOLE
⊙	APVC	POINT OF VERTICAL CURVATURE	LANDSCAPE			Ⓐ	IMSCTS	MICRO SPEED & COUNT SENSOR	⊙	MPM	PT., MONUMENT	⊙	TCSH	SIGNAL HEADS	⊙	UTVLM	CABLE TV, LINE MARKER
⊙	APVCC	POINT OF VERT. CMPND CURVE	+	LELS	ELEVATION, SPOT	Ⓐ	IMT	MICROWAVE TRANSCEIVER	⊙	MPMM	PT., MONUMENT, MISC.	⊙	TCS	SIGNAL POLE	⊙	UTVPB	CABLE TV, PULL BOX
⊙	APVI	POINT OF VERT. INTERSECTION	⊙	LFP	FLAG POLE	Ⓐ	IOVHVS	PERM. OVERHEAD VMS	⊙	MPN	PT., NAIL	TRAFFIC WORK ZONE			⊙	UUB	UNKNOWN, BOX
⊙	APVRC	POINT OF VERT. REVERSE CURVE	⊙	LMB	MAILBOX	Ⓐ	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	⊙	MPRS	PT., RAILROAD SPIKE	⊙	TWZAP_P	ARROW PANEL	⊙	UUB	UNKNOWN, BOX
⊙	APVT	POINT OF VERTICAL TANGENCY	⊙	LPB	PAPER BOX	Ⓐ	IPEDS	PEDESTRIAN SIGNAL HEAD	⊙	MPSP	PT., SPIKE	⊙	TWZAP_C_P	ARROW PANEL, CAUTION MODE	⊙	UUPB	UNKNOWN, PULL BOX
⊙	ASC	SPIRAL TO CURVE	⊙	LPST	POST, SINGLE	Ⓐ	IPSS	PAVEMENT SURFACE SENSOR	⊙	MPST	PT., STAKE	⊙	TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT	⊙	UUVL	UNKNOWN, VALVE
⊙	ASPI	SPIRAL POINT OF INTERSECTION	⊙	LRB	ROCK, BOULDER	Ⓐ	IPVMS	PERM. VMS	⊙	MPTW	PT., TREE W/ WIRE	⊙	TWZBCD_P	BARRICADE (TYPE III)	⊙	UUVT	UNKNOWN, VENT
⊙	ASTS	SPIRAL TO SPIRAL	⊙	LSHC	SHRUB, CONIFEROUS	Ⓐ	IRWIS	RDWY WEATHER INFO. SENSOR	⊙	MPWL	PT., WALL LOCATION	⊙	TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)	⊙	UUW	UNKNOWN, WELL
⊙	AST	SPIRAL TO TANGENT	⊙	LSHD	SHRUB, DECIDUOUS	Ⓐ	ISP	SOLAR PANEL	⊙	⊙	⊙	⊙	TWZFLG_P	FLAGGER	⊙	UWFH	WATER, FIRE HYDRANT
⊙	ATS	TANGENT TO SPIRAL	⊙	LTC	TREE, CONIFEROUS	Ⓐ	ISST	SPREAD SPECT. TRANSCEIVER	⊙	⊙	⊙	⊙	TWZFT_P	FLAG TREE	⊙	UWM	WATER, METER
⊙	AVEVT	VERTICAL EVENT POINT	⊙	LTD	TREE, DECIDUOUS	Ⓐ	ITDB	TELEPHONE DEMARICATION BLK	⊙	⊙	⊙	⊙	TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)	⊙	UWMH	WATER, MANHOLE
⊙	AVHIGH	VERTICAL HIGH POINT	⊙	LTS	TREE, STUMP	Ⓐ	ITP	SUBSURFACE TEMP. PROBE	⊙	⊙	⊙	⊙	TWZLUM_P	LUMINAIRE (TEMPORARY)	⊙	UWV	WATER, VALVE
⊙	AVLOW	VERTICAL LOW POINT	⊙	LUKP	UNKNOWN POINT	Ⓐ	IVTRT	VEHICLE TO RDWY TRANSCEIVER	⊙	⊙	⊙	⊙	TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC	⊙	UWV	WATER, VALVE
BRIDGE			⊙	LWC	TREE, CONIFEROUS	Ⓐ	IWMD	WEIGHT IN MOTION DETECTOR	⊙	⊙	⊙	⊙	TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR	⊙	⊙	⊙
⊙	BSC	BRIDGE, SCUPPER	⊙	LW_P	TREE, WELL OR WALL	Ⓐ	IWVR	WIRELESS VIDEO REPEATER	⊙	⊙	⊙	⊙	TWZSGN_P	SIGN (TEMPORARY)	⊙	⊙	⊙
CONTROL			⊙	LW_P	TREE, WELL OR WALL	Ⓐ	IWVRC	WIRELESS VIDEO RECEIVER	⊙	⊙	⊙	⊙	TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)	⊙	⊙	⊙
⊙	CBP	BASELINE, POINT	⊙	LUKP	UNKNOWN POINT	Ⓐ	IWVT	WIRELESS VIDEO TRANSMITTER	⊙	⊙	⊙	⊙	TWZWL_P	WARNING LIGHT	⊙	⊙	⊙
⊙	CBPOL	BASELINE, POINT ON LINE	ROADWAY			⊙	RES_P	ELEVATION, SPOT	⊙	⊙	⊙	⊙	TWZWV_P	WORK VEHICLE	⊙	⊙	⊙
⊙	CBSP	BASELINE, SPUR POINT	⊙	RES_P	ELEVATION, SPOT	Ⓐ	RGA	GUIDE RAIL, ANCHOR	⊙	⊙	⊙	⊙	TWZWVA_P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR	⊙	⊙	⊙
⊙	CBTP	BASELINE, TIE POINT	⊙	RGA	GUIDE RAIL, ANCHOR	Ⓐ	RGP	GUIDE POST, SINGLE	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
⊙	CPBM	BENCHMARK	⊙	RGP	GUIDE POST, SINGLE	Ⓐ	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
⊙	CPH	POINT, HORIZ. PHOTOGRAMMETRY				Ⓐ	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
⊙	CPSM	POINT, SURVEY MARKER, PERM.				Ⓐ	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
⊙	CPSV	POINT, VERT., PHOTOGRAMMETRY				Ⓐ	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

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.



Donald Adams, PE LIC. No. 071963

Issue:	No.	Date	Remarks

Sheet Title:	
POINT LEGEND	
Drawn By:	Z. SWERE
Checked By:	A. Christian
Date:	03/20/24
Scale:	
Project Number:	02-2021-134.1
Sheet:	45 of 89

LEG-01

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY

Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
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Role: (Urban Design + Landscape Architecture)



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ALIGNMENT			LANDSCAPE			ROADWAY			UTILITIES		
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RCZ_P	CLEAR ZONE		UC	CONDUIT, UNDERGROUND
	AD_P	DETOUR		LAHR	AREA, HEDGE ROW		RG	GUIDE RAIL, MISCELLANEOUS		UCH	CONDUIT, HANGING
	AT_P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGB	GUIDE RAIL, BOX BEAM		UCH	CONDUIT, OVERHEAD
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN		UE	ELECTRIC LINE, UNDERGROUND
	BR	RAIL		LAWE	AREA, WATERS EDGE		RGC	GUIDE RAIL, CABLE		UEH	ELECTRIC LINE, HANGING
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RCCB	GUIDE RAIL, CONCRETE BARRIER		UEO	ELECTRIC LINE, OVERHEAD
CONTROL				LFILL_P	FILL LIMIT		RGP_P	GUIDE POST		UETO	ELECTRIC TRANSMISSION, OVERHEAD
	CB	BASELINE		LFNC	FENCE		RGW	GUIDE RAIL, W BEAM		UESS	ELECTRIC, SUBSTATIONS
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UFO	FIBER OPTIC, UNDERGROUND
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER		UFOH	FIBER OPTIC, HANGING
	DCP	CULVERT PIPE		LWH	WALL, H PILE		RRC	RAIL ROAD, CATENARY		UFOO	FIBER OPTIC, OVERHEAD
	DCP_P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRER	RAIL ROAD, 3RD RAIL		UG	GAS, UNDERGROUND
	DDG_P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPLS_P	RAIL, PHOTO, LARGE SCALE		UGH	GAS, HANGING
	DDP_P	DITCH, PAVED INVERT	ROW MAPPING				RRPS	RAIL, PHOTO, SMALL SCALE		UGO	GAS, OVERHEAD
	DDS_P	DITCH, STONE LINED		MDL	DEED LINE		RRS	RUMBLE STRIP		UIC	INFORM CABLE, UNDERGROUND
	DFL_P	FLOW LINE		MEE	EASEMENT, EXISTING		RRSL_S_P	RAIL, SURVEY, LARGE SCALE		UICH	INFORM CABLE, HANGING
	DSSD	SLOTTED DRAIN		MEP_P	EASEMENT, PERMANENT		RRSL_S_P	RAIL, SURVEY, LARGE SCALE		UO	OIL LINE, UNDERGROUND
	DUD_P	UNDERDRAIN		MEPA_P	EASEMENT, PERMANENT, APPROX.		RRSS	RAIL, SURVEY, SMALL SCALE		UOH	OIL LINE, HANGING
ENVIRONMENTAL				MET_P	EASEMENT, TEMPORARY	SIGNS				UPBP	POLE, BRACE, PUSH BRACE
	EBLHS	BALE, STRAW		META_P	EASEMENT, TEMPORARY, APPROX.		SBLB	BILLBOARDS		UPGW	POLE, GUY WIRE
	ECT	CURTAIN, TURBIDITY		MF_P	FEE ACQUISITION, W/ ACCESS		SM	MULTIPLE POST		USA	SANITARY SEWER, UNDERGROUND
	EDMC	DAM, COFFER TYPE		MFA_P	FEE ACQUISITION, APPROXIMATE		SSO	STRUCTURE, OVERHEAD		USAH	SANITARY SEWER, HANGING
	EDMEC_P	DAM, EARTHEN, CHECK		MFS_P	FEE ACQUISITION, SHAPE		SSOC	STRUCTURE, OVHD. CANTILEVER		USAF	SANITARY SEWER, FORCE MAIN, UGND
	EDMPC_P	DAM, PREFAB, CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS	STRIPING				USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EDMSC_P	DAM, STONE, CHECK		MHA	HISTORICAL, ACQUISITION		STB	BROKEN LINE		UT	TELEPHONE, UNDERGROUND
	EFNS	FENCE, SILT		MHB	HIGHWAY BOUNDARY		STDB	DOUBLE BROKEN LINE		UTH	TELEPHONE, HANGING
	EFNSV	FENCE, SILT & VEGETATION		MHBA	HIGHWAY BOUNDARY, APPROX.		STDL	DOTTED LINE LONG		UTO	TELEPHONE, OVERHEAD
	EFNV	FENCE, VEGETATION		MHBW	HWY BOUNDARY, FACE OF WALL		STDS	DOTTED LINE SHORT		UTV	CABLE TV, UNDERGROUND
	EWAA_P	WETLAND, ADJACENT AREA		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB	FULL BARRIER LINE		UTVH	CABLE TV, HANGING
	EWF	WETLAND, FEDERAL		MJC	JURISDICTION, CITY		STH	HATCH LINE		UTVO	CABLE TV, OVERHEAD
	EWF	WETLAND, FEDERAL AND STATE		MJCY	JURISDICTION, COUNTY		STPB	PARTIAL BARRIER LINE		UUU	UNKNOWN, UNDERGROUND
	EWM	WETLAND, MITIGATION AREA		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDABOUT, CAT TRACKS		UUH	UNKNOWN, HANGING
	EWS	WETLAND, STATE		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDABOUT, YIELD LINE		UOO	UNKNOWN, OVERHEAD
				MJN	JURISDICTION, NATION		STSB	STOP BAR		LW	WATER LINE, UNDERGROUND
				MJPB	JURISDICTION, PUBLIC LANDS		STSE	SOLID, EDGE		LWH	WATER LINE, HANGING
				MJS	JURISDICTION, STATE		STXL	X WALK, LADDER LINE		LWO	WATER LINE, OVERHEAD
				MJT	JURISDICTION, TOWN						
				MJV	JURISDICTION, VILLAGE						
				MPL	PROPERTY LOT LINE	TRAFFIC CONTROL					
				MPLA	PROPERTY LOT LINE, APPROXIMATE		TCSW	SIGNAL, SPAN WIRE			
				MSL	SUB LOT LINE	TRAFFIC WORK ZONE					
							TWZBT_P	BARRIER, TEMPORARY			
							TWZBTWL_P	BARRIER, TEMPORARY, W/ WARNING LIGHTS			
							TWZCD_P	CHANNELIZING DEVICE			
							TWZPMRC_P	PAVEMENT MARKING REMOVAL OR COVERING			

- THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
- FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
- FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
- 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).
- 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.
- FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

LINE LEGEND	
Drawn By: Z. SWERE	LEG-02
Checked By: A. Christian	
Date: 03/2024	
Scale:	
Project Number: 02-2021-134.1	Sheet: 46 of 89

Role: (Urban Design + Landscape Architecture)

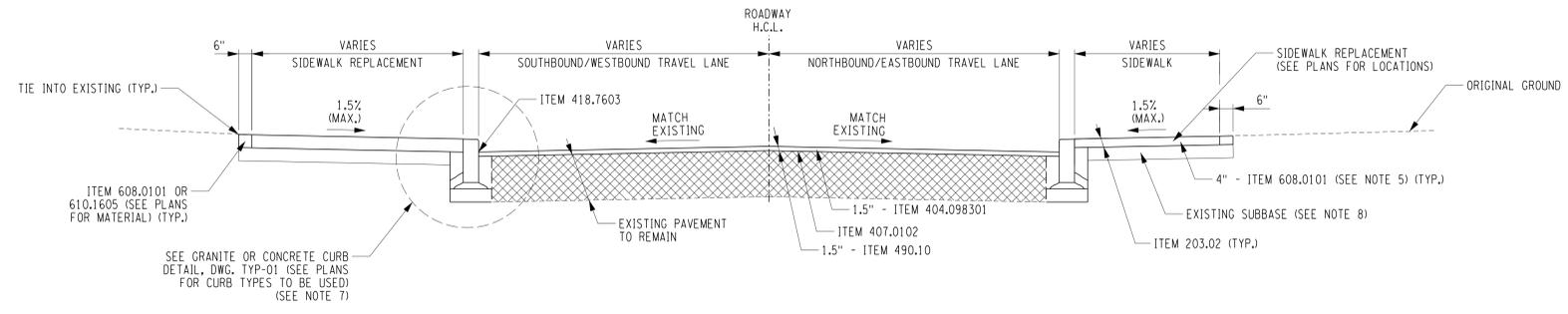


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TYPICAL SECTION - MILL AND FILL WITH SIDEWALK REPLACEMENT

STA. FT 17+23 TO STA. FT 18+10
 STA. FT 27+00 TO STA. FT 28+22
 STA. FS 12+50 TO STA. FS 13+73
 STA. SN 15+74 TO STA. SN 17+07
 (NOT TO SCALE)



Donald Adams, PE
 LIC. No. 071963

Issue:
 No. Date Remarks

No.	Date	Remarks

Sheet Title:
TYPICAL SECTIONS

Drawn By: z. SWERE
 Checked By: A. Christian
 Date: 03/2024
 Scale: **TYP-02**
 Project Number: 02-2021-134.1
 Sheet: 48 of 89

ITEM NO.	DESCRIPTION	UNIT	NOTES:
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	1. FIELD CONDITIONS MAY REQUIRE FLATTER OR STEEPER SLOPES THAN THOSE SHOWN TO PROVIDE A SMOOTH TRANSITION BETWEEN PROPOSED AND EXISTING SIDE SLOPES A.O.B.E. 2. TACK COAT SHALL BE APPLIED TO ALL SAWCUTS, ON EXISTING SURFACES, AND BETWEEN ALL PAVEMENT LIFTS. 3. FOR ALL SECTIONS OF ROADWAY WITH A LONGITUDINAL SLOPE LESS THAN 1% AND INTERSECTIONS THE CONTRACTOR SHALL ENSURE THAT THE BINDER COURSE DRAINS CORRECTLY AND DOES NOT CREATE PONDING. 4. SEE GRADING PLAN (DWG. GRP-01) FOR RAISED INTERSECTION CROSS SLOPES AND TIE INS. 5. CONCRETE SIDEWALK AND SUBBASE ONLY APPLY TO AREAS WHERE SIDEWALK PANELS ARE REPLACED. NO PARTIAL PANEL REPLACEMENTS WILL BE ALLOWED (SEE PLANS FOR AREAS). 6. ANY EXISTING CURB DETERMINED TO BE IN POOR CONDITION FOR RESETTling OR DAMAGED DURING RESETTling SHALL BE REPLACED WITH NEW GRANITE CURB, ITEM 609.0212. NO NEW CURB SHALL BE ORDERED OR PLACED WITHOUT PRIOR APPROVAL FROM THE ENGINEER. 7. CURB REVEAL SHALL BE 6" MINIMUM. AT ISOLATED AREAS WHERE REVEAL CANNOT MEET 6", REVEAL CAN BE NO LESS THAN TO 2" A.O.B.E. 8. CONTRACTOR SHALL RE GRADE AND COMPACT EXISTING SUBBASE AS NEEDED TO ACHIEVE DESIGN CROSS SLOPE. COST TO BE INCLUDED IN ITEM 608.0101. CONTRACTOR SHALL NOTE THAT ADDITIONAL QUANTITY FOR SUBBASE IS INCLUDED IN THE BID SHEETS TO ACCOUNT FOR CROSS SLOPE MODIFICATIONS.
304.12	SUBBASE COURSE, TYPE 2	CY	
404.018901	TRUE & LEVELING F9, WMA, 80 SERIES COMPACTION	TON	
404.098301	9.5 F3 TOP COURSE WMA, 80 SERIES COMPACTION	TON	
407.0102	DILUTED TACK COAT	GAL	
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	CY	
503.1010	PCC FOUNDATION FOR PAVEMENT, CLASS C	CY	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	
608.0300002	GRANITE SETTS	SF	
609.0212	STONE CURB, NEAR VERTICAL FACE (NVF)	LF	
610.1605	STONE CURB, NEAR VERTICAL FACE (NVF)	LF	
627.50140008	TURF ESTABLISHMENT - PERFORMANCE	SY	
633.11	CLEANING EXISTING PAVEMENT AND/OR SHOULDERS	SY	

FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Marketing\CADD\Drawn\119-235_sph_typ_02.dgn
 DATE: 3/20/2024
 USER: amanning

Hudson Streetscape and Pedestrian Improvements Construction Document Set Hudson, NY

Client:
City of Hudson
 520 Warren Street
 Hudson, NY 12534
 Tel (518) 828-1030
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Role: (Urban Design + Landscape Architecture)



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GENERAL NOTES:

- UNLESS OTHERWISE NOTED ALL ITEM NUMBERS FOR SPECIFIC WORK TASKS RELATE TO THE NEW YORK STATE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING AND GIVEN CONDITIONS, ELEVATIONS AND DIMENSIONS SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL MAKE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS, AS APPROVED BY THE ENGINEER. ALL FIELD CONDITIONS AND DIMENSIONS SHALL BE NOTED ON THE AS-BUILT DRAWINGS SUBMITTED FOR APPROVAL.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF CONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- NO ADDITIONAL PAYMENT SHALL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLAN, 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 LUMP UNIT BID PRICE FOR THE VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR IS ADVISED THAT ADDITIONAL NOTES WILL BE FOUND ON SUBSEQUENT SHEETS OF THE PLANS AND SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
- IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THE AFFECTED AREA SHALL BE DISCONTINUED AND IMMEDIATE ACTION SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE ENGINEER BEFORE WORK IS RESUMED.
- ALL EXISTING PAVEMENT AND SHOULDER SURFACES THAT ARE TO BE RESURFACED SHALL BE CLEANED IN ACCORDANCE WITH SECTION 633 (CONDITIONING OF EXISTING PAVEMENT) OF THE NYS DOT STANDARD SPECIFICATIONS.
- ALL EXISTING TRAFFIC SIGNS REMOVED BY THE CONTRACTOR SHALL BE STORED AND PROVIDED TO THE CITY.
- ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, AND REGULATIONS.
- THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF EXISTING EDGE OF PAVEMENT ALONG ALL RIGHTS-OF-WAY.
- SUBMITTALS, CATALOG CUTS, SAMPLES, AND SHOP DRAWINGS MUST BE RECEIVED, REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ORDERING OR FABRICATION OF MATERIALS AND PRIOR TO INSTALLATION OF MATERIALS. FAILURE TO DO SO MAY RESULT IN TIME DELAYS. THE CONTRACTOR WILL NOT BE ENTITLED TO COMPENSATION FOR SAID TIME DELAYS, REMOVALS, OR REPLACEMENTS.
- THE CONTRACTOR SHALL PROVIDE AN ACI CERTIFIED CONCRETE FLAT WORK FINISHER TO SUPERVISE ALL HAND FINISHING PER THE STANDARD SPECIFICATION. CERTIFICATION SHALL BE PROVIDED TO THE ENGINEER.
- THE EXCAVATION ASSOCIATED WITH CURB INSTALLATION SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 609 OF THE STANDARD SPECIFICATIONS.

ENVIRONMENTAL NOTES:

- ALL DISTURBED UNPAVED AREAS WITHIN THE DESIGNATED WORK LIMITS SHALL BE GRADED, FERTILIZED, SEEDED AND MULCHED AS SPECIFIED UNDER SECTION 610 (GROUND VEGETATION - PREPARATION, ESTABLISHMENT AND MANAGEMENT) OF THE NYS DOT STANDARD SPECIFICATIONS.
- DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO THE WATERS OF NEW YORK STATE. NOR SHALL WASHINGS FROM REDI-MIX TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY WETLAND OR WATERS. DESIGNATED WASH OUT AREAS TO BE APPROVED BY THE ENGINEER IN CHARGE.

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 LOCATION 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 OR HER 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 CONSTRUCTION, THE CONTRACTOR SHALL CALL "DIG SAFELY" (1-800-962-7962) TO HAVE UNDERGROUND UTILITIES LOCATED.
- EXPLORATORY EXCAVATIONS SHALL BE PERFORMED AS NEEDED BY THE CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO WORK IN CONGESTED UTILITY AREAS. ALL TEST PITS IDENTIFIED ON THESE DRAWINGS ARE TO BE COMPLETED AND TEST PIT LOGS SUBMITTED TO THE ENGINEER WITHIN FOURTEEN (14) DAYS FOLLOWING NOTICE TO PROCEED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE QUALITY OF THE UNDERGROUND UTILITY INFORMATION ON THE PLANS IS QUALITY LEVEL "C". FOUR SEPARATE QUALITY LEVELS OF SUBSURFACE UTILITY FACILITY INFORMATION ARE GENERALLY RECOGNIZED AND ARE AS FOLLOWS:
 - QUALITY LEVEL A (QLA): QUALITY LEVEL A IS THE HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITY FACILITIES) OF SUBSURFACE UTILITIES, USING (TYPICALLY) MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO DETERMINE THEIR PRECISE HORIZONTAL AND VERTICAL POSITIONS, AS WELL AS THEIR OTHER UTILITY FACILITY ATTRIBUTES. (SHOWN AS QLA)
 - QUALITY LEVEL B (QLB): QUALITY LEVEL B IS THE SECOND HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS (I.E., UNDERGROUND CAMERAS, RADAR, SONAR, TONE OUTS, ETC.) TO IDENTIFY THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF SUBSURFACE UTILITY FACILITIES. QUALITY LEVEL B DATA ARE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THE INFORMATION WAS SURVEYED TO APPLICABLE TOLERANCES AND REDUCED ONTO THE PLANS. NO EXCAVATIONS WERE PERFORMED. (SHOWN AS QLB)
 - QUALITY LEVEL C (QLC): QUALITY LEVEL C IS THE THIRD HIGHEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS HAS BEEN OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION. (SHOWN AS QLC)
 - QUALITY LEVEL D (QLD): QUALITY LEVEL D IS THE LOWEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS WAS DERIVED SOLELY FROM EXISTING NYS DOT AND/OR UTILITY COMPANY RECORDS OR RECOLLECTIONS. (SHOWN AS QLD)

SURVEY NOTES:

- BASE MAPPING AND RIGHT-OF-WAY INFORMATION PREPARED BY TERRY BERGENDORFF COLLINS LAND SURVEYING PLLC, LOCATED AT 52 STARR RIDGE ROAD, BREWSTER, NY 10509 (TEL: 845-279-4261).

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 THE 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 105-15 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 SECTION 105-15).
- THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE. ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORY REPAIRED OR ITEMS PLACED AT THE CONTRACTOR'S EXPENSE (STANDARD SPECIFICATIONS SECTION 107-08).

ACCESS AND NOTIFICATION NOTES:

- THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE ACCESS INTO OR THROUGH THE WORK SITE BY EMERGENCY VEHICLES AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE NYS SUPPLEMENT, AND EFFORTS SHALL BE COORDINATED WITH THE ENGINEER, AND/OR THE CITY. TEMPORARY PAVEMENT SHALL BE PLACED WITHIN 48 HOURS OF COMPLETION OF EXCAVATION AND BACKFILL OPERATIONS WITHIN THE PAVEMENT LIMITS.
- THE CONTRACTOR SHALL NOTIFY THE CITY 72 HOURS PRIOR TO ANY STREET OR LANE CLOSURES OR ANY WORK AFFECTING TRAFFIC SIGNALS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL COMMERCIAL AND RESIDENTIAL PROPERTIES AT ALL TIMES TO THE SATISFACTION OF THE ENGINEER. RAMPING CONSTRUCTION TO PROVIDE ACCESS MAY BE CONSTRUCTED WITH SUBBASE MATERIAL EXCEPT THAT TEMPORARY ASPHALT CONCRETE SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE PEDESTRIAN ACCESS AT ALL TIMES.
- THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS AND BUSINESSES LOCATED IN THE WORK ZONE 72 HOURS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. SUCH NOTICES WILL BE FURNISHED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER AND/OR THE CITY.

PROJECT SPECIFIC NOTES:

- IN ADDITION TO THE CURING REQUIREMENTS OF THE NYS DOT STANDARD SPECIFICATIONS, CONCRETE SIDEWALK PANELS INSTALLED LESS THAN 5 FT FROM THE EDGE OF PAVEMENT OR BETWEEN SEPTEMBER 1ST AND OCTOBER 15TH SHALL BE SEALED WITH A PENETRATING SEALER, COST TO BE INCLUDED IN ITEM 559.01. ANY CONCRETE SIDEWALKS PLACED AFTER OCTOBER 15TH SHALL BE CURED USING WET BURLAP AND A PLASTIC COVERING, FOLLOWED BY A PENETRATING SEALER PRIOR TO THE FIRST FREEZE. THE COST FOR THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR THE CONCRETE SIDEWALKS ITEM IN THE CONTRACT. DURING CONSTRUCTION, IF ADDITIONAL WATER IS USED ON PLACED CONCRETE TO AID IN FINISHING, CONTRACTOR SHALL SEAL SUBJECT PANELS AT NO COST.
- THE LATEST REVISIONS OF THE NYS DOT STANDARD SHEETS MAINTAINED BY THE NYS DOT, WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER, 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.



Donald Adams, PE
 LIC. No. 071963

Issue:		
No.	Date	Remarks

Sheet Title: GENERAL NOTES	
Drawn By: Z. SWERE	GNN-01
Checked By: A. Christian	
Date: 03/2024	
Scale:	
Project Number: 02-2021-134.1	Sheet: 49 of 89

WORK_ZONE_TRAFFIC_CONTROL_NOTES:

1. GENERAL NOTES

- A. WORK_ZONE_TRAFFIC_CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 - WORK_ZONE_TRAFFIC_CONTROL... B. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS, THE TRAFFIC CONTROL PLANS, AND IN THE MUTCD... C. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN... D. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, IN WRITING, WITH THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS... E. PRIOR TO THE START OF ANY WORK OPERATIONS, ALL RELATED WORK FOR PROPOSED WORK_ZONE_TRAFFIC_CONTROL... F. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SAFE AND ADEQUATE INGRESS AND EGRESS TO AND FROM INTERSECTING HIGHWAYS, HOMES AND COMMERCIAL ESTABLISHMENTS AT ALL TIMES...

2. STANDARD SHEETS 619-10, 11, AND 12 CRITERIA

THE CONTRACTOR SHALL REFER TO THE FOLLOWING CRITERIA WHILE UTILIZING THE NYSDOT STANDARD SHEETS:

- A. PRECONSTRUCTION POSTED SPEED LIMIT: 30 MPH
B. TYPE OF ROADWAY: CONVENTIONAL ROAD
C. SETTING: URBAN

3. TIME / DATE RESTRICTIONS

- A. THERE SHALL BE NO TEMPORARY LANE CLOSURES ON THE FOLLOWING HOLIDAY DATES AND TIMES:
2023
6:00 AM JULY 1 TO 6:00 AM JULY 5
6:00 AM SEPT 1 TO 6:00 AM SEPT 5
6:00 AM NOV 22 TO 6:00 AM NOV 27
6:00 AM DEC 22 TO 6:00 AM DEC 26
2024
6:00 AM DEC 29 (2023) TO 6:00 AM JAN 2 (2024)
6:00 AM MAY 24 TO 6:00 AM MAY 28
6:00 AM JUN 18 TO 6:00 AM JUN 20
6:00 AM JUL 4 TO 6:00 AM JUL 8
6:00 AM AUG 30 TO 6:00 AM SEP 3
6:00 AM NOV 27 TO 6:00 AM DEC 2
6:00 AM DEC 21 TO 6:00 AM DEC 26
B. THERE SHALL BE NO TEMPORARY LANE CLOSURES BETWEEN THE FOLLOWING HOURS:
MONDAY THROUGH FRIDAY 7 AM TO 9 AM
4 PM TO 6 PM
C. THE CONTRACTOR SHALL NOT BEGIN WARMING UP EQUIPMENT BEFORE THE SCHEDULED START TIMES, NOR KEEP THE EQUIPMENT RUNNING AFTER THE SCHEDULED QUIT TIMES...
D. THERE SHALL BE NO WORK OPERATIONS ALLOWED BEFORE SUNRISE OR AFTER SUNSET WITHOUT APPROVAL OF THE CITY/ENGINEER AND AN APPROVED LIGHTING PLAN...

4. WORK_ZONE_REQUIREMENTS

- A. THE MINIMUM WIDTH OF TRAVEL LANES WITHIN THE WORK_ZONE IS 10 FEET.
B. WORK_ZONES ON OPPOSITE SIDES OF THE ROAD SHALL NOT OVERLAP. A WORK_ZONE IS DEFINED AS THAT AREA IN WHICH TRAFFIC IS RESTRICTED BECAUSE OF CONSTRUCTION ACTIVITIES, OR THAT AREA WHICH INVOLVES A DROP-OFF WITHIN 10 FEET OF THE EDGE OF PAVEMENT.
5. CONSTRUCTION VEHICLES, EQUIPMENT, AND MATERIALS
A. THE CLEAR ROADSIDE AREA IS DEFINED AS THE AREA WITHIN 10 FEET OF THE EDGE OF THE TRAVEL WAY.
B. CONTRACTOR VEHICLES NOT IN USE AND PRIVATE VEHICLES OWNED BY CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED IN THE CLEAR ROADSIDE AREA, OR ANY OTHER LOCATION CONSIDERED BY THE ENGINEER TO BE A HAZARD...
C. NO MATERIAL IS TO BE STORED WITHIN THE CLEAR ROADSIDE AREA WITHOUT THE APPROVAL OF THE ENGINEER.
D. VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED IN A MANNER WHICH OBSTRUCTS SIGNS, BARRIERS, BARRICADES, OR OTHER TRAFFIC CONTROL DEVICES.
E. VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED IN A MANNER WHICH INTERFERES WITH ACCESS TO ADJUTING PROPERTIES.
F. THE CONTRACTOR SHALL PLAN AND INCORPORATE ACCESS POINTS INTO THE WORK_ZONE SUCH THAT, TO THE EXTENT PRACTICAL, THE CONTRACTOR'S VEHICLES ENTERING AND LEAVING THE WORK_ZONE SHALL NOT IMPEDE THE MOVEMENT OF THROUGH TRAFFIC IN THE ADJACENT OPEN LANES.

6. CHANNELIZING DEVICES

- A. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 1 FOOT LATERAL CLEARANCE TO THE TRAVELED WAY.
B. THE CONTRACTOR SHALL NOT MIX CHANNELIZATION DEVICES IN A LINEAR CLOSURE OR TAPER I.E. CONES, VERTICAL PANELS AND DRUMS SHALL NOT BE USED IN THE SAME TAPER OR CLOSURE...
C. REFLECTORIZED PLASTIC DRUM DELINEATORS SHALL BE USED AT HAZARDOUS LOCATIONS DETERMINED BY THE ENGINEER...
7. FLAGGING AND TRAFFIC CONTROL
A. THE USE OF TEMPORARY SIGNALS AS A SUBSTITUTE FOR FLAGGERS WILL NOT BE ALLOWED ON THIS PROJECT.
B. FLAGGER SIGNS SHALL NOT BE USED FOR BRIEF PERIODS OF INCIDENTAL FLAGGING...
C. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK_ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED...

7. FLAGGING AND TRAFFIC CONTROL

- A. THE USE OF TEMPORARY SIGNALS AS A SUBSTITUTE FOR FLAGGERS WILL NOT BE ALLOWED ON THIS PROJECT.
B. FLAGGER SIGNS SHALL NOT BE USED FOR BRIEF PERIODS OF INCIDENTAL FLAGGING, AOE, FLAGGER SIGNS SHALL NOT BE VISIBLE WHEN FLAGGERS ARE NOT BEING USED.
C. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK_ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED...
B. SIGNS AND DEVICES
A. DIAMOND-SHAPED ADVANCE WARNING SIGNS SHALL BE USED FOR ALL ADVANCE WARNING SIGNS SHOWN IN PART 6 OF THE MUTCD...
B. THE CORRECT SPACING OF SIGNS, EITHER PERMANENT OR TEMPORARY MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE MUTCD...
C. THE LOCATION OF THE SIGNS SHOWN ON THE WORK_ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS...
D. ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGNS LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET...
E. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
F. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF ONE-WAY STREETS...
G. EXPRESSWAY SIZE SIGNING SHALL BE USED ON ALL MULTI-LANE HIGHWAYS...

9. NOTIFICATION AND EMERGENCY ACCESS

- A. THE CONTRACTOR IS REQUIRED TO CONTACT THE APPROPRIATE SCHOOL AND EMERGENCY SERVICES ORGANIZATIONS WITH RESPECT TO THE EFFECT OF ROAD WORK, TRAVEL LANE REDUCTIONS, AND DETOURS ON OPERATIONS...
B. THE CONTRACTOR IS REQUIRED TO CONTACT THE APPROPRIATE TRANSIT OFFICIALS IN RESPECT TO THE EFFECT OF ROAD ALTERATIONS ON BUS OPERATIONS...

10. BICYCLISTS AND PEDESTRIANS

- A. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND BICYCLE TRAFFIC THROUGH OR AROUND EACH WORK AREA FOR THE DURATION OF THE CONSTRUCTION...
B. THE CONTRACTOR SHALL PROVIDE, DELINEATE AND MAINTAIN A USABLE TRAVEL PATH FOR PEDESTRIANS EITHER THROUGH OR AROUND WORK_ZONES FOR THE DURATION OF THIS PROJECT...
C. ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL AND REMOVE TEMPORARY SIDEWALK AND CURB RAMPS...
D. FOR LOCATIONS WHERE EXISTING SIDEWALK WAS REMOVED OR NEW SIDEWALKS ARE PROPOSED...
E. ANY CONSTRUCTION ACTIVITY THAT RESULTS IN THE BREAKAGE OF SLABS OR THE REMOVAL OF SEGMENTS OF EXISTING SIDEWALK SERVING AS THE USABLE TRAVEL PATH SHALL BE REPAIRED IMMEDIATELY...
F. TEMPORARY SAFETY FENCING SHALL BE PLACED ALONG ANY SIDEWALK ADJACENT TO ANY EXCAVATION OR VERTICAL DROP-OFF OVER 6 INCHES...
11. PROJECT SPECIFIC
A. THE CONTRACTOR SHALL REFER TO THE FOLLOWING APPLICABLE NYSDOT STANDARD SHEETS TO CONSTRUCT ALL PROPOSED REQUIREMENTS: 619-010, 619-011, 619-012, 619-321, 619-323, 619-410, 619-421 AND 619-519.

Hudson Streetscape and Pedestrian Improvements Construction Document Set Hudson, NY

Client: City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)



Street Design Studio
507 Bloomfield Avenue, 2nd floor
Montclair, New Jersey 07042 USA

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Consultant:



CREIGHTON MANNING ENGINEERING, LLP
2 WINNERS CIRCLE, ALBANY, NEW YORK, 12205
P: (518) 484-0396 F: (518) 484-0397 WWW.CMEELLPC.COM



Donald Adams, PE
LIC. No. 071968

Issue:

No. Date Remarks

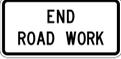
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Sheet Title:

WORK_ZONE_TRAFFIC_CONTROL_NOTES

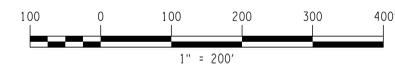
Drawn By: Z. SWERE
Checked By: A. Christian
Date: 03/2024
Scale:
Project Number: 02-2021-134.1
Sheet: 50 of 89

WZN-01

LEGEND		
	SIGN	MUTCD#
(A)		W20-1
(B)		G20-2



ADVANCED SIGNING PLAN



Hudson Streetscape and Pedestrian Improvements
Construction Document Set

Hudson, NY

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City of Hudson
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LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

Sheet Title: WORK ZONE TRAFFIC CONTROL PLAN	
Drawn By: Z. SWERE	WZP-01
Checked By: A. Christian	
Date: 03/2024	
Scale:	
Project Number: 02-2021-134.1	Sheet: 51 of 89

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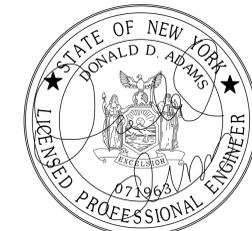
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Issue:
No. Date Remarks

Sheet Title:

MISCELLANEOUS TABLES

Drawn By: Z. SWERE
Checked By: A. Christian
Date: 03/2024
Scale:
Project Number: 02-2021-134.1
Sheet: 52 of 89

MST-01

TABLE OF MANHOLES TO BE ADJUSTED ITEM 604.070101

STATION	OFFSET	SIDE	TYPE	NOTES	QUANTITY
FT 17+32.07	5.92	RT	SANITARY		1
FT 17+52.48	37.89	LT	DRAINAGE		1
FT 17+73.00	43.57	LT	DRAINAGE		1
FT 17+74.96	9.22	RT	SANITARY		1
FT 17+79.60	36.62	RT	DRAINAGE		1
FT 17+87.63	3.63	LT	DRAINAGE		1
FT 17+96.48	1.27	RT	SANITARY		1
FT 24+23.60	9.44	LT	SANITARY		1
FT 24+57.25	0.39	LT	DRAINAGE		1
FT 26+20.88	22.26	LT	DRAINAGE		1
FT 27+68.39	7.92	RT	DRAINAGE		1
FT 27+70.54	38.08	RT	SANITARY		1
FT 27+74.93	45.46	RT	SANITARY		1
FT 27+77.10	2.32	RT	SANITARY		1
FT 27+79.08	13.78	RT	SANITARY		1
FT 31+62.80	6.61	RT	SANITARY		1
SN 16+23.43	3.31	RT	DRAINAGE	BID ALT 1	1
FS 13+62.92	3.42	RT	SANITARY	BID ALT 1	1
TOTAL					18

TABLE OF WATER VALVES TO BE ADJUSTED ITEM 663.33

STATION	OFFSET (FT)	SIDE	NOTED	QTY. (EA)
FT 17+67.61	28.73	LT		1
FT 19+21.59	27.87	LT		1
FT 19+44.73	15.38	LT		1
FT 20+48.69	26.27	LT		1
FT 20+91.23	25.39	LT		1
FT 21+04.25	16.78	LT		1
FT 21+64.09	17.73	LT		1
FT 22+53.01	23.23	LT		1
FT 29+79.77	26.23	LT		1
FT 24+64.87	3.92	LT		1
FT 24+78.64	15.07	LT		1
FT 26+60.94	26.57	LT		1
FT 27+07.90	14.77	LT		1
FT 27+38.57	17.83	LT		1
FT 27+57.71	32.32	RT		1
FT 27+94.43	15.15	LT		1
FT 29+79.77	26.23	LT		1
FT 31+90.56	17.02	LT		1
SN 16+15.51	9.12	LT	BID ALT 1	1
SN 16+19.58	52.12	RT	BID ALT 1	1
SN 16+43.66	7.11	LT	BID ALT 1	1
SN 16+50.97	2.64	LT	BID ALT 1	1
SN 16+54.34	20.56	LT	BID ALT 1	1
SN 16+54.56	19.66	RT	BID ALT 1	1
SN 16+58.02	42.26	LT	BID ALT 1	1
SN 16+59.99	7.39	LT	BID ALT 1	1
SN 16+61.74	48.95	RT	BID ALT 1	1
SN 16+63.90	49.59	RT	BID ALT 1	1
SN 16+71.14	12.75	LT	BID ALT 1	1
SN 16+79.74	5.65	LT	BID ALT 1	1
FS 13+01.07	2.88	LT	BID ALT 1	1
FS 13+42.72	14.55	LT	BID ALT 1	1
FS 13+42.94	21.25	LT	BID ALT 1	1
FS 13+43.35	28.74	RT	BID ALT 1	1
FS 13+57.38	28.51	RT	BID ALT 1	1
FS 13+63.23	7.82	LT	BID ALT 1	1
FS 13+68.15	3.58	LT	BID ALT 1	1
TOTAL				37

TABLE OF GAS VALVES TO BE ADJUSTED BY OTHERS

STATION	OFFSET (FT)	SIDE	NOTED	QTY. (EA)
FT 16+03.69	13.26	RT		1
SN 16+19.01	42.49	RT	BID ALT 1	1
SN 16+29.35	11.64	RT	BID ALT 1	1
SN 16+29.45	10.19	RT	BID ALT 1	1
SN 16+60.72	7.87	RT	BID ALT 1	1
SN 16+66.04	49.72	LT	BID ALT 1	1
SN 16+66.89	57.19	RT	BID ALT 1	1
SN 16+68.81	17.57	RT	BID ALT 1	1
TOTAL				8

TABLE OF MANHOLES TO BE ADJUSTED BY OTHERS

STATION	OFFSET	SIDE	NOTES	TYPE	QUANTITY
FT 17+32.83	32.53	LT		ELECTRIC	1
FT 17+55.82	36.66	RT		ELECTRIC	1
FT 18+03.75	34.01	LT		TELEPHONE	1
FT 25+09.85	27.45	RT		ELECTRIC	1
FT 28+36.82	32.28	LT		ELECTRIC	1
FT 31+48.76	34+97	LT		TELEPHONE	1
SN 17+02.14	20.07	LT	BID ALT 1	ELECTRIC	1
TOTAL					7

TABLE OF PULL BOXES TO BE ADJUSTED BY OTHERS

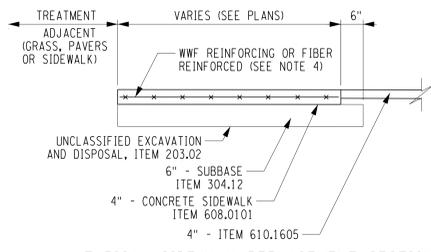
STATION	OFFSET (FT)	SIDE	NOTE	TYPE	QTY. (EA)
FT 20+05.60	27.16	LT		ELECTRIC	1
FT 24+93.98	25.00	RT		ELECTRIC	1
FT 29+72.30	26.65	LT		ELECTRIC	1
SN 16+16.91	54.59	LT	BID ALT 1	ELECTRIC	1
SN 16+68.73	44.36	RT	BID ALT 1	ELECTRIC	1
TOTAL					5

TABLE OF DRIVEWAYS

DRIVEWAY #	LOCATION		MATERIAL		ENTRANCE TYPE	CLASS	DIMENSIONS			COMMENTS
	STATION	SIDE	EXISTING	PROPOSED			W	PL	CORNER ANGLE	
1	FT 31+97	LT	HMA	PCC	3	C	20.2	26.9	90 DEGREES	
2	FT 30+45	LT	HMA	PCC	3	C	40.1	25.5	90 DEGREES	
3	FT 29+04	LT	HMA	PCC	3	C	24.9	24.7	90 DEGREES	
4	FT 26+38	LT	HMA	PCC	3	C	19.1	23.5	90 DEGREES	
5	FT 25+62	LT	HMA	PCC	3	C	29.5	20.2	90 DEGREES	
6	FT 23+46	LT	HMA	PCC	3	C	18.9	21.0	90 DEGREES	
7	FT 21+32	LT	HMA	PCC	3	C	30.5	21.0	90 DEGREES	
8	FT 20+18	LT	HMA	PCC	3	C	29.1	21.0	90 DEGREES	
9	FT 18+31	LT	HMA	PCC	3	C	20.0	21.0	90 DEGREES	

TABLE OF HORIZONTAL ALIGNMENT

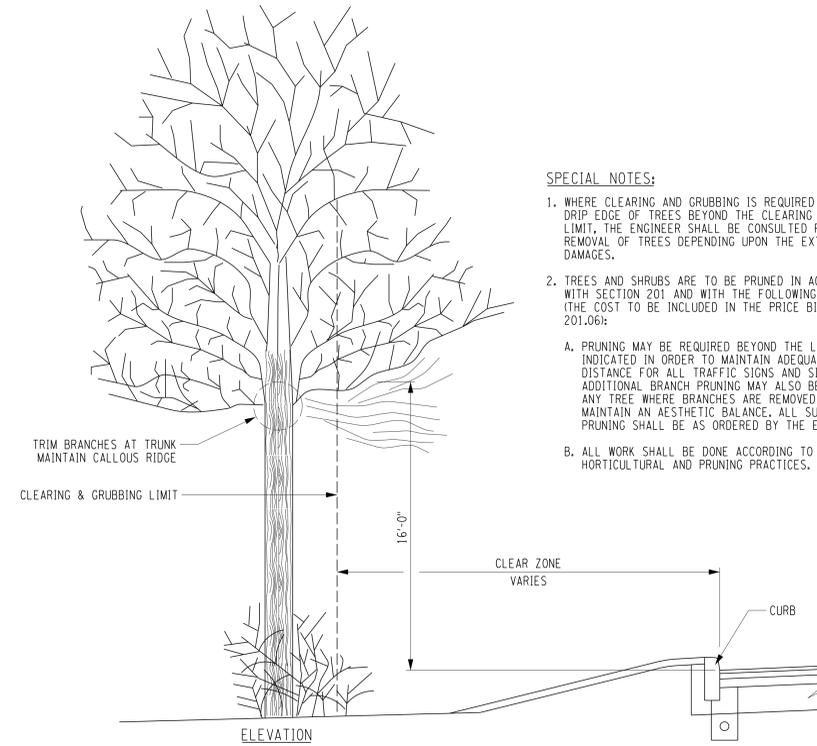
POINT	STATION	CURVE DATA	COORDINATE	
			NORTH	EAST
FRONT STREET				
POB	FT. 10+00.00	AZ N 48°44'54.5" E LENGTH = 32.3333 FT	1246492.7267	682125.1533
PC	FT. 10+32.33		1246514.0462	682149.4622
PI	FT. 11+68.31	RADIUS = 370.0000 FT DELTA = 40°21'27.0" LT LENGTH = 260.6173 FT TANGENT = 135.9777 FT	1246603.7053	682251.6932
PT	FT. 12+92.95	AZ N 8°23'27.5" E LENGTH = 385.6637 FT	1246738.2273	682271.5361
PC	FT. 16+78.61		1247119.7627	682327.8149
PI	FT. 17+34.35	RADIUS = 250.0000 FT DELTA = 25°08'11.3" RT LENGTH = 109.6786 FT TANGENT = 95.7361 FT	1247174.9022	682335.9483
PT	FT. 17+88.29	AZ N 33°31'38.8" E LENGTH = 609.4216 FT	1247221.3650	682366.7334
PC	FT. 23+97.71		1247729.3919	682703.3391
PI	FT. 24+47.27	RADIUS = 330.4631 FT DELTA = 17°03'29.3" RT LENGTH = 98.3857 FT TANGENT = 49.5594 FT	1247770.7057	682730.7126
PT	FT. 24+96.10	AZ N 50°35'08.1" E LENGTH = 218.7884 FT	1247802.1722	682769.0009
PC	FT. 27+14.89		1247941.0864	682938.0310
PI	FT. 28+86.92	RADIUS = 412.0000 FT DELTA = 45°19'34.2" LT LENGTH = 325.9294 FT TANGENT = 172.0315 FT	1248050.3135	683070.9380
PRC	FT. 30+40.82		1248221.6207	683086.7073
PI	FT. 31+41.10	RADIUS = 400.0000 FT DELTA = 28°08'57.6" RT LENGTH = 196.5193 FT TANGENT = 100.2850 FT	1248321.4835	683095.9000
PT	FT. 32+37.34	AZ N 33°25'52.2" E LENGTH = 329.6951 FT	1248405.1979	683151.1177
POE	FT. 35+67.03		1248680.3443	683332.7582
STATE STREET				
POB	SS. 10+00.00	AZ S 69°44'00.8" E LENGTH = 30.3058 FT	1248256.7392	683091.5172
PC	SS. 10+30.31		1248246.2417	683119.9468
PI	SS. 10+51.56	RADIUS = 97.6700 FT DELTA = 24°32'57.9" RT LENGTH = 41.8485 FT TANGENT = 21.2503 FT	1248238.8809	683139.8916
PT	SS. 10+72.15	AZ S 46°08'45.5" E LENGTH = 470.3702 FT	1248223.9030	683154.9561
PI	SS. 15+42.52	AZ S 46°56'45.8" E LENGTH = 290.4987 FT	1247898.0195	683494.1434
PI	SS. 18+33.02	AZ S 46°17'30.7" E LENGTH = 230.3427 FT	1247699.6999	683706.4140
POE	SS. 20+63.37		1247540.5366	683872.9216
WARREN STREET				
POB	WS. 10+00.00	AZ S 45°40'49.4" E LENGTH = 472.5547 FT	1247768.8571	682734.0162
POE	WS. 14+72.55		1247438.7019	683072.1071
FIRST STREET				
POB	FS. 10+00.00	AZ 44°19'57.57" LENGTH = 673.25 FT	1247199.90	682838.80
POE	FS. 16+73.25		1247681.47	683309.29
SECOND STREET				
POB	SN. 10+00.00	AZ N 44°09'38.9" E LENGTH = 1350.0000 FT	1246625.73	682984.52
POE	SN. 23+50.00		1247594.21	683925.03
ALLEN STREET				
POB	AS. 10+00.00	AZ 133°45'18.01" LENGTH = 929.05 FT	1247218.30	682365.66
POE	AS. 19+29.05		1246575.80	683036.71
ALLEN STREET STAIRS				
POB	AL. 10+00.00	AZ 224°24'26.43" LENGTH = 174.00 FT	1246595.84	682983.83
POE	AL. 11+74.00		1246471.54	682862.07



TYPICAL SIDEWALK REPLACEMENT SECTION
(NOT TO SCALE)

NOTES:

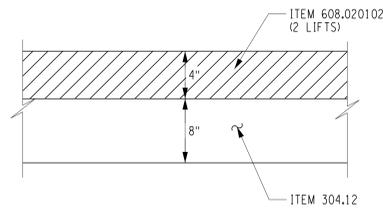
1. PLACE TRANSVERSE EXPANSION JOINTS AT 20' INTERVALS AND TRANSVERSE FALSE JOINTS AT 5' INTERVALS ALONG SIDEWALK.
2. A PREMOULDED RESILIENT JOINT FILLER MEETING THE MATERIAL REQUIREMENTS OF SECTION 705-07 OF THE NYS DOT STANDARD SPECS. SHALL BE PLACED BETWEEN ADJACENT SIDEWALK SLABS, AT BUILDING LINES, CURBS, AND A.O.B.E.
3. EXPANSION JOINTS ARE TO BE PLACED BETWEEN ADJACENT SLABS, AT BUILDING FACES, AT CURBS, OR AT PENETRATING SURFACES.
4. ANY SIDEWALK WHICH CROSSES A DRIVEWAY SHALL HAVE A 6" MINIMUM THICKNESS AND HAVE WELDED WIRE FABRIC REINFORCING.
5. CONTRACTOR SHALL REPLACE ENTIRE SIDEWALK PANELS. NO SAWCUTS WILL BE ALLOWED.
6. CONTRACTOR SHALL RE GRADE AND COMPACT EXISTING SUBBASE AS NEEDED TO ACHIEVE DESIGN CROSS SLOPE. COST TO BE INCLUDED IN ITEM 608.0101. NEW SUBBASE TO BE INSTALLED ABOVE.



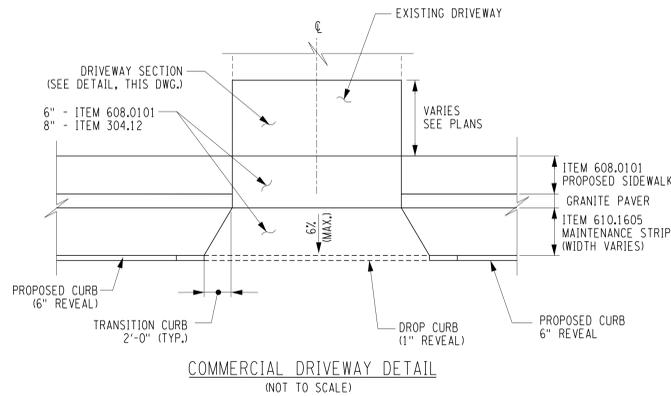
CLEARING AND GRUBBING
(NOT TO SCALE)

SPECIAL NOTES:

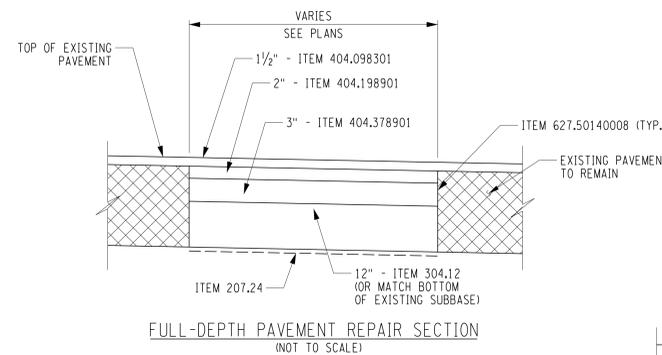
1. WHERE CLEARING AND GRUBBING IS REQUIRED WITHIN THE DRIP EDGE OF TREES BEYOND THE CLEARING AND GRUBBING LIMIT, THE ENGINEER SHALL BE CONSULTED FOR CARE OR REMOVAL OF TREES DEPENDING UPON THE EXTENT OF DAMAGES.
2. TREES AND SHRUBS ARE TO BE PRUNED IN ACCORDANCE WITH SECTION 201 AND WITH THE FOLLOWING REQUIREMENTS (THE COST TO BE INCLUDED IN THE PRICE BID FOR ITEM 201.06):
 - A. PRUNING MAY BE REQUIRED BEYOND THE LIMITS INDICATED IN ORDER TO MAINTAIN ADEQUATE SIGHT DISTANCE FOR ALL TRAFFIC SIGNS AND SIGNALS. ADDITIONAL BRANCH PRUNING MAY ALSO BE REQUIRED ON ANY TREE WHERE BRANCHES ARE REMOVED IN ORDER TO MAINTAIN AN AESTHETIC BALANCE. ALL SUCH ADDITIONAL PRUNING SHALL BE AS ORDERED BY THE ENGINEER.
 - B. ALL WORK SHALL BE DONE ACCORDING TO ACCEPTABLE HORTICULTURAL AND PRUNING PRACTICES.



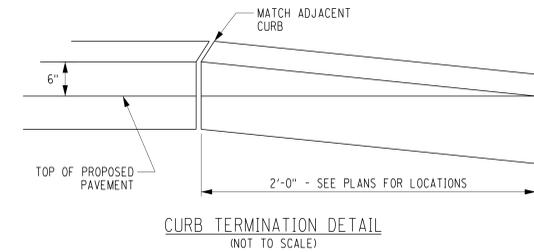
TYPICAL COMMERCIAL DRIVEWAY SECTION
(NOT TO SCALE)



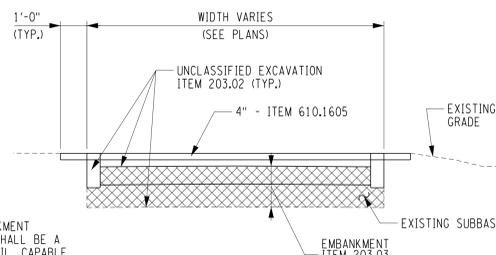
COMMERCIAL DRIVEWAY DETAIL
(NOT TO SCALE)



FULL-DEPTH PAVEMENT REPAIR SECTION
(NOT TO SCALE)

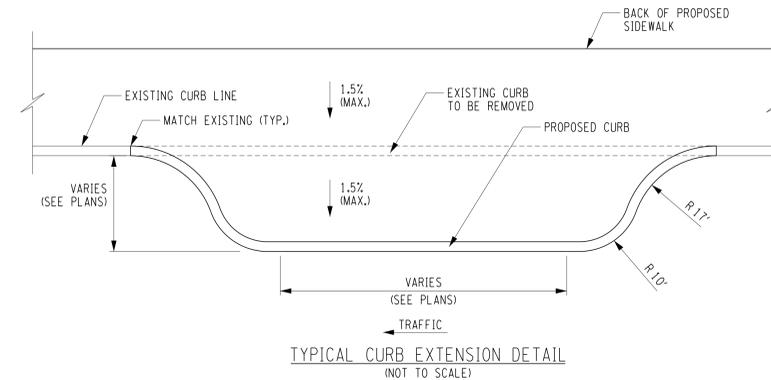


CURB TERMINATION DETAIL
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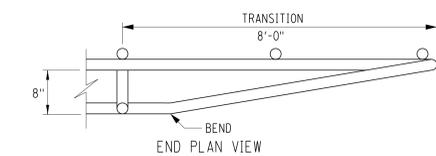


TYPICAL PAVEMENT REMOVAL
(NOT TO SCALE)

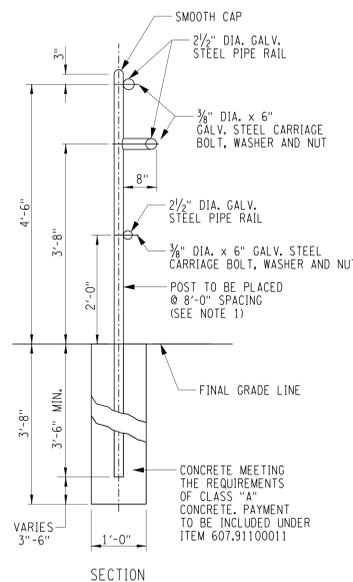
NOTE:
THE EMBANKMENT MATERIAL SHALL BE A MINERAL SOIL, CAPABLE OF SUSTAINING PLANT GROWTH.



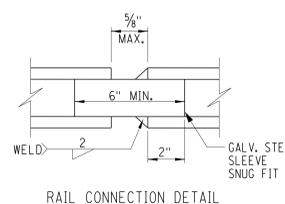
TYPICAL CURB EXTENSION DETAIL
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END PLAN VIEW



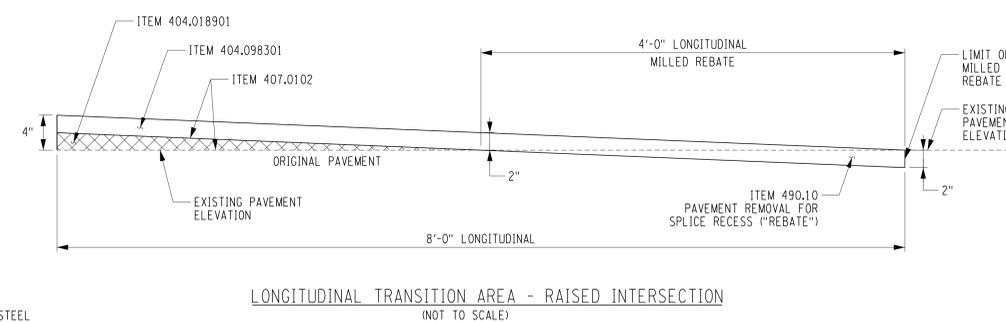
PIPE RAILING DETAIL
ITEM 607.91100011
(NOT TO SCALE)



RAIL CONNECTION DETAIL

NOTE:

1. CONTRACTOR TO ADJUST POST SPACING (8'-0" MAX.) TO AVOID UNDERGROUND UTILITY CONFLICTS.



LONGITUDINAL TRANSITION AREA - RAISED INTERSECTION
(NOT TO SCALE)



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

Sheet Title:

MISCELLANEOUS DETAILS

Drawn By:
Z. SWERE

Checked By:
A. Christian

Date:
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02-2021-134.1

MSD-01

Sheet:
53 of 89

Hudson Streetscape and Pedestrian Improvements
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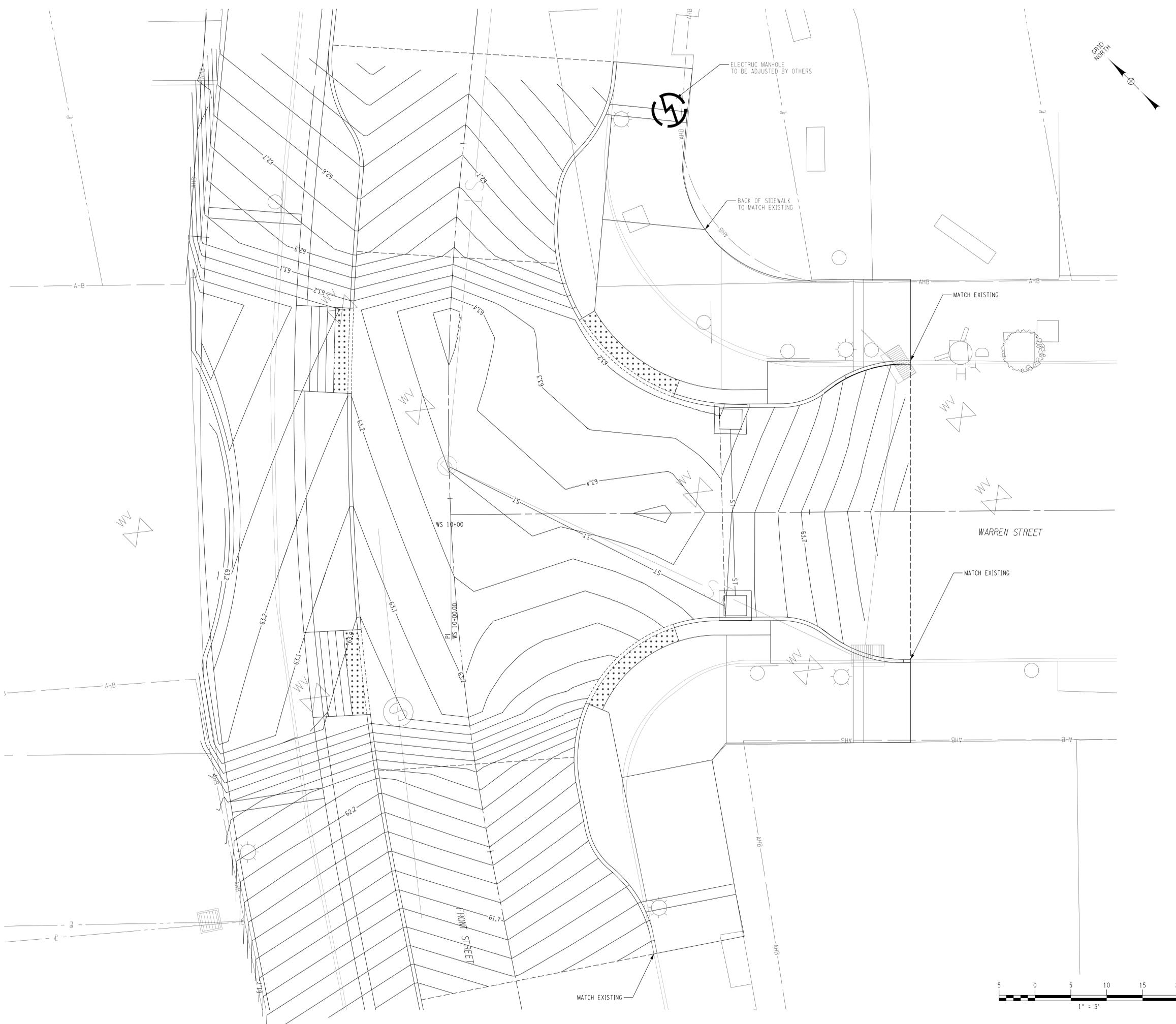


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Issue:
No. Date Remarks

No.	Date	Remarks

Sheet Title: GRADING PLAN		GRP-01
Drawn By: Z. SWERE	Project Number: 02-2021-134.1	
Checked By: A. Christian		
Date: 03/2024	Sheet: 55 of 89	
Scale: 1" = 5'		



FILE: N:\Projects\2019\119-235 Arterial - Streetscape Improvements\Working\CADD\vdg\119-235_sph_grp_01.dgn
DATE: 3/20/2024
USER: zswere

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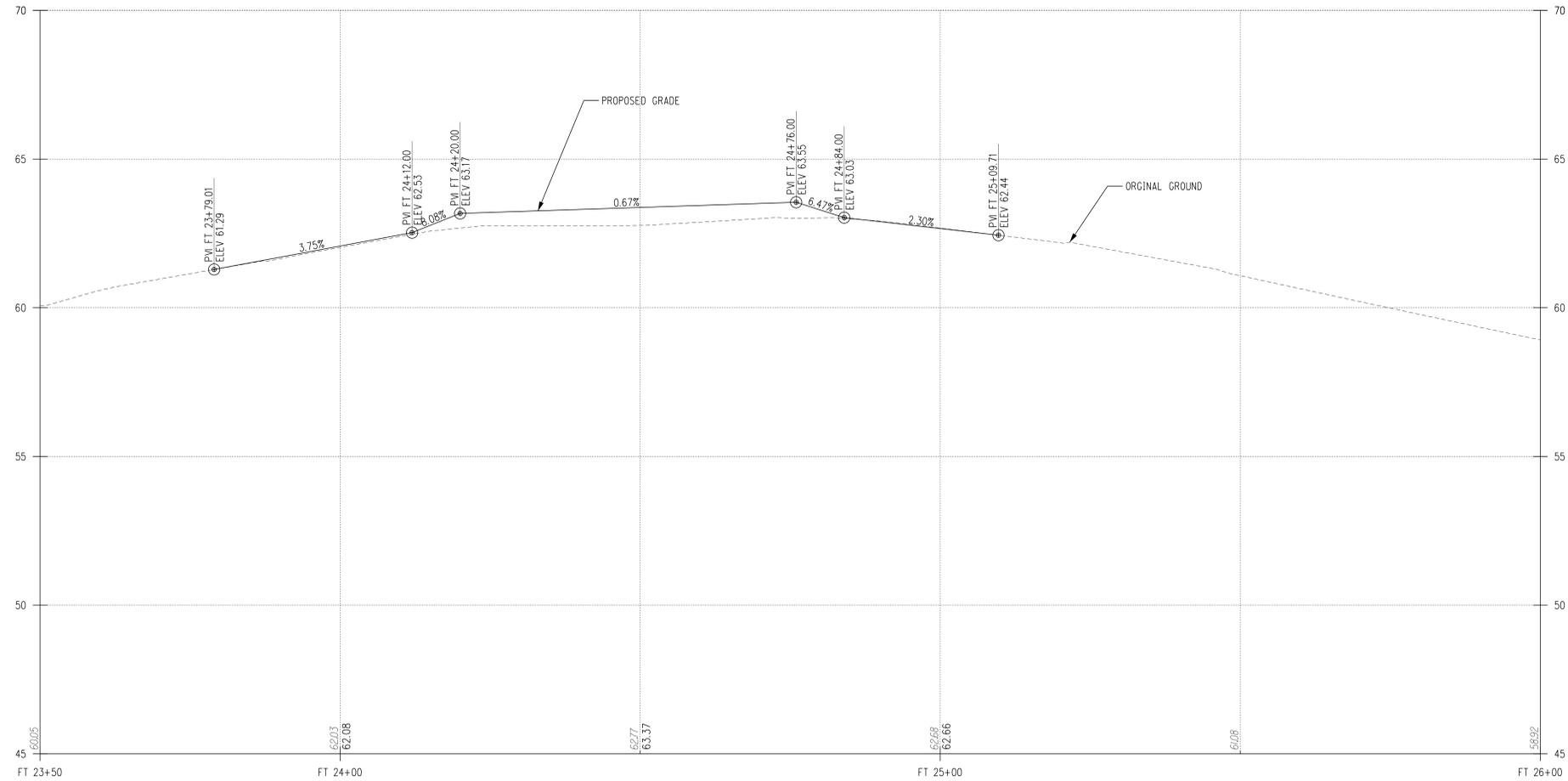


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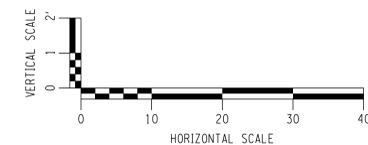
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FRONT STREET - RAISED INTERSECTION PROFILE



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

Sheet Title: PROFILE	
Drawn By: Z. SWERE	PRO-01
Checked By: A. Christian	
Date: 03/2024	
Scale:	
Project Number: 02-2021-134.1	Sheet: 86 of 89

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY

Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)



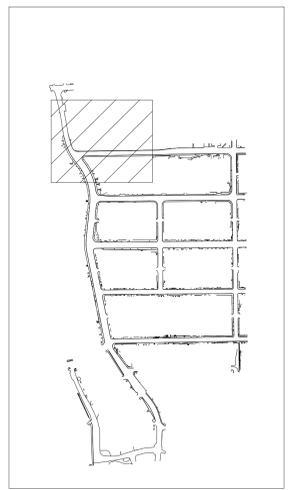
Street Design Studio
507 Bloomfield Avenue, 2nd floor
Montclair, New Jersey 07042 USA

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Consultant:



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KEY PLAN

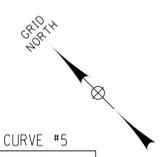


Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

Sheet Title: GENERAL PLAN	
Drawn By: Z. SWERE	GNP-01
Checked By: A. Christian	
Date: 03/20/24	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 57 of 89



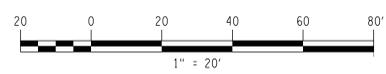
CURVE #4
PC FT 27+14.89
PRC FT 30+40.82
 $\Delta = 45^{\circ}19'34.18''$
R = 412.00
Dc = 13^{\circ}54'24.27"
L = 325.93
T = 172.03
 $e = 7'$

CURVE #5
PC FT 30+40.82
PT FT 32+37.34
 $\Delta = 28^{\circ}08'57.56''$
R = 400.00
Dc = 14^{\circ}19'26.20"
L = 196.52
T = 100.29
 $e = 7'$

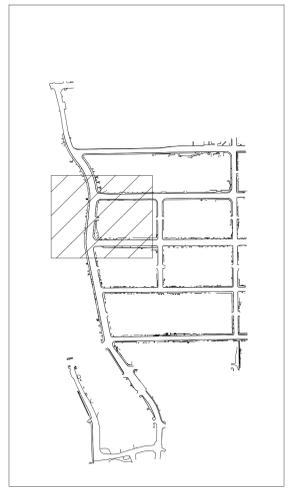


MATCH LINE GNP-02

LEGEND
[Symbol] DRIVEWAY



FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Working\CADD\Drawings\235_sph_gnp_01.dwg
DATE: 3/20/24
USER: zimmerman



KEY PLAN



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

Sheet Title:

GENERAL PLAN

Drawn By:
Z. SWERE

Checked By:
A. Christian

Date:
03/20/24

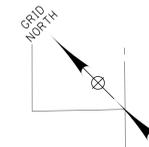
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1" = 20' - 0"

Project Number:
02-2021-134.1

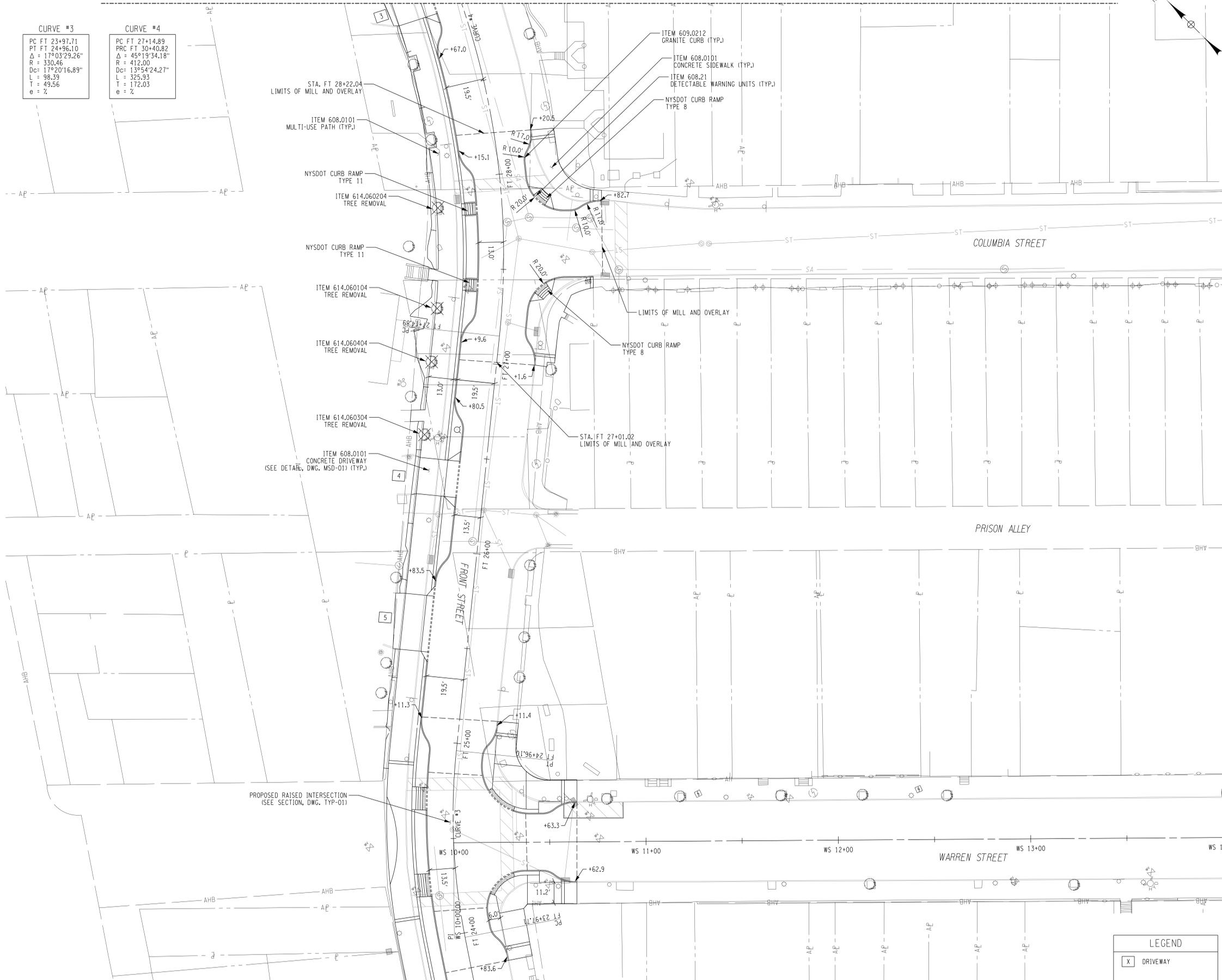
GNP-02

Sheet:
58 of 89

MATCH LINE GNP-01



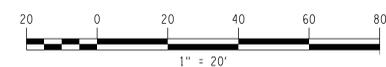
CURVE #3	CURVE #4
PC FT 23+97.71	PC FT 27+14.89
PT FT 24+96.10	PRC FT 30+40.82
$\Delta = 17^{\circ}03'29.26''$	$\Delta = 45^{\circ}19'34.18''$
R = 330.46	R = 412.00
Dc = $11^{\circ}20'16.89''$	Dc = $13^{\circ}54'24.27''$
L = 98.33	L = 325.93
T = 49.56	T = 172.03
e = %	e = %



MATCH LINE GNP-05

MATCH LINE GNP-03

LEGEND	
X	DRIVEWAY



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Construction Document Set
Hudson, NY

Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

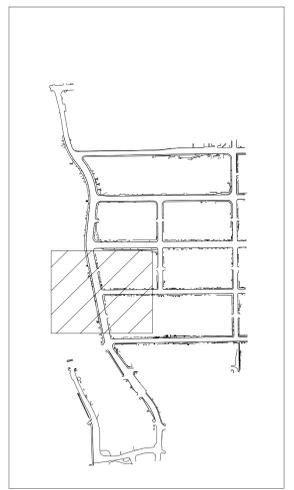


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KEY PLAN



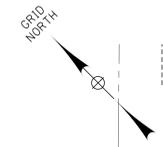
Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

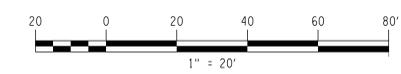
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Drawn By: Z. SWERE	GNP-03
Checked By: A. Christian	
Date: 03/20/24	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 59 of 89

MATCH LINE GNP-02



MATCH LINE GNP-04

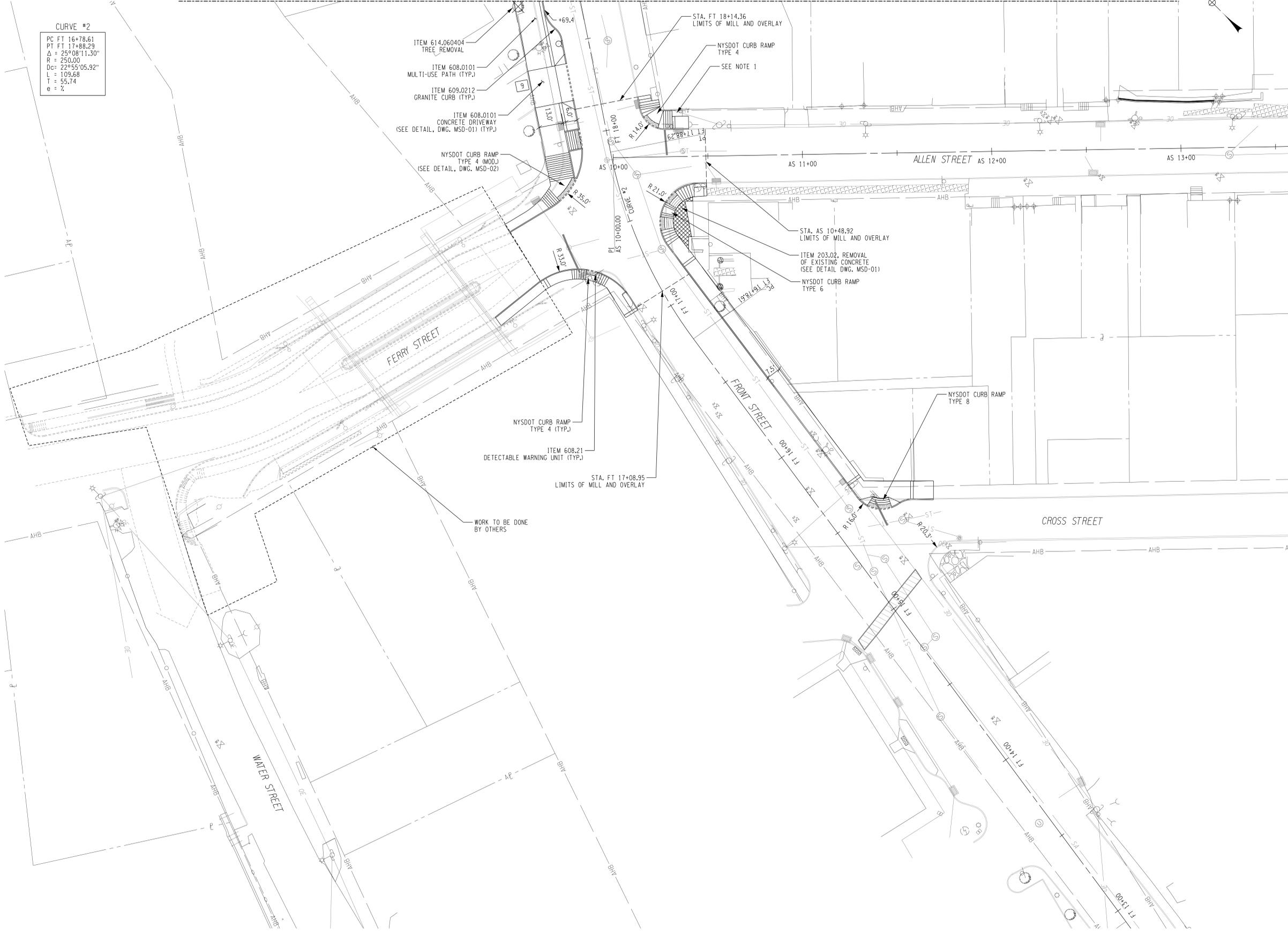
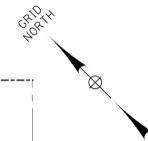
LEGEND	
	DRIVEWAY



FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Working\CADD\gdg\119-235_sph_gnp_03.dgn
DATE: 3/20/2024
USER: amorrising

NOTE:
 1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER PRIOR TO ANY WORK ADJACENT TO EXISTING SIDEWALK VAULTS.

MATCH LINE GNP-03



CURVE #2
 PC FT 16+78.61
 PT FT 17+88.29
 $\Delta = 25^\circ 08' 11.30''$
 R = 250.00
 $D_c = 22^\circ 55' 05.92''$
 L = 109.68
 e = 55.74
 e = %

MATCH LINE GNP-06

Hudson Streetscape and Pedestrian Improvements
 Construction Document Set
 Hudson, NY
 Client:
 City of Hudson
 520 Warren Street
 Hudson, NY 12534
 Tel (518) 828-1030
 Fax (518) 828-3103

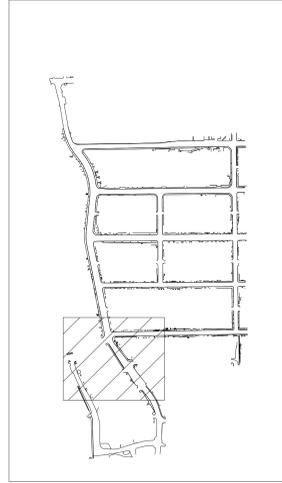


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Consultant:

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 2 WINNERS CIRCLE - ALBANY - NEW YORK - 12205
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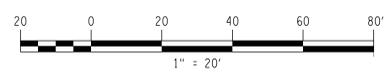
Donald Adams, PE
 LIC. No. 071963

Issue:

No.	Date	Remarks

Sheet Title: GENERAL PLAN	
Drawn By: Z. SWERE	GNP-04
Checked By: A. Christian	
Date: 03/2024	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 60 of 89

LEGEND
 X DRIVEWAY

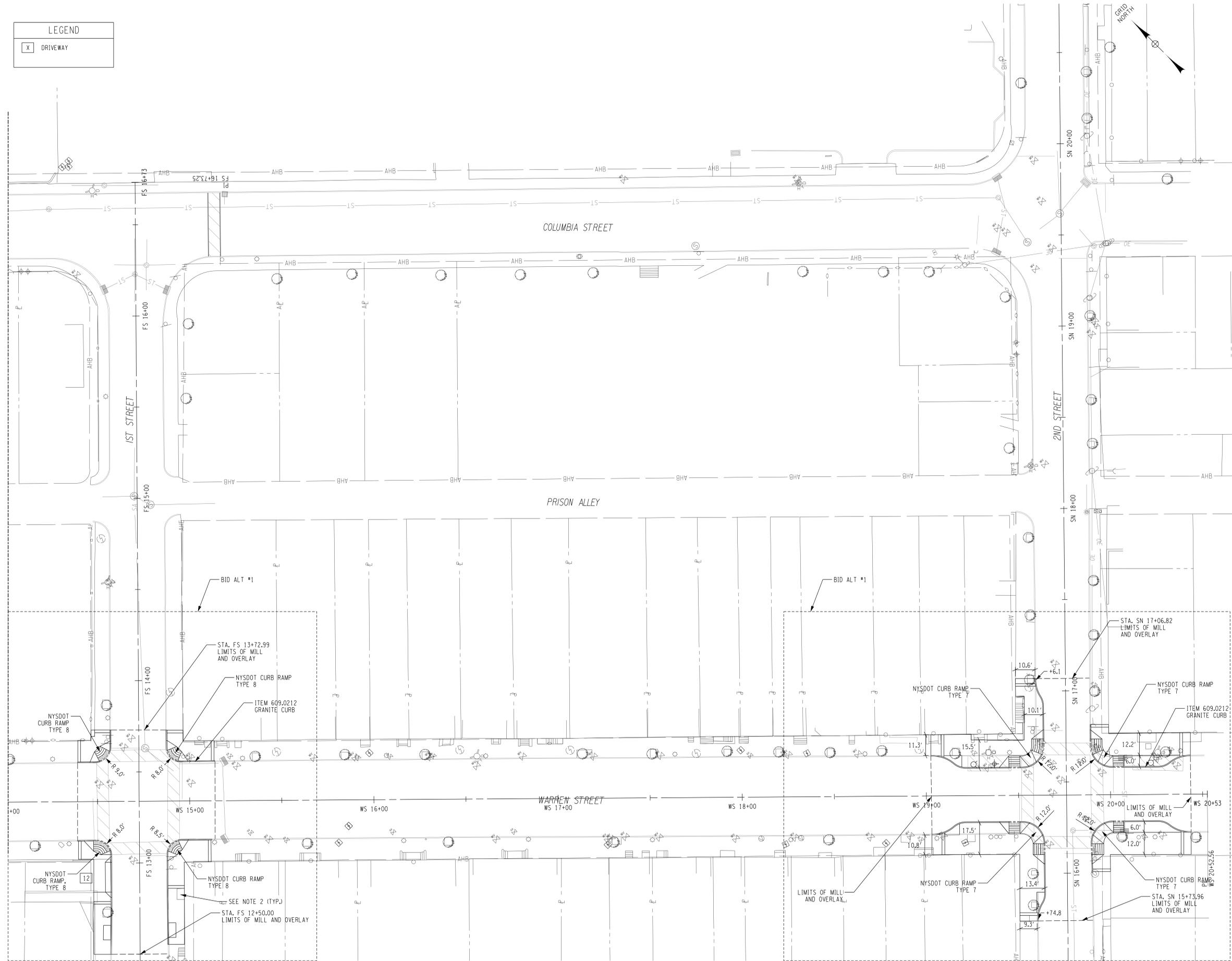


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 DATE: 3/20/2024
 USER: amanning

NOTE:
 1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER PRIOR TO ANY WORK ADJACENT TO EXISTING SIDEWALK VAULTS.



MATCH LINE GNP-02



Hudson Streetscape and Pedestrian Improvements
 Construction Document Set

Hudson, NY
 Client:
 City of Hudson
 520 Warren Street
 Hudson, NY 12534
 Tel (518) 828-1030
 Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

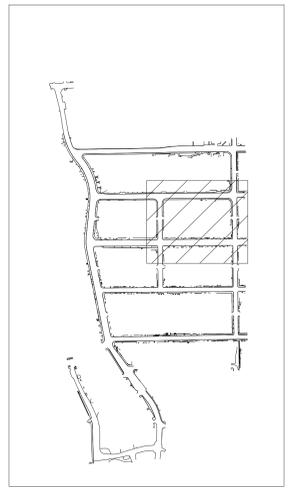


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Donald Adams, PE
 LIC. No. 071963

Issue:
 No. Date Remarks

Sheet Title:

GENERAL PLAN

Drawn By:
 Z. SWERE
 Checked By:
 A. Christian
 Date:
 03/2024
 Scale:
 1" = 20' - 0"

GNP-05

Project Number:
 02-2021-134.1

Sheet:
 63 of 89

Hudson Streetscape and Pedestrian Improvements
Construction Document Set

Hudson, NY

Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

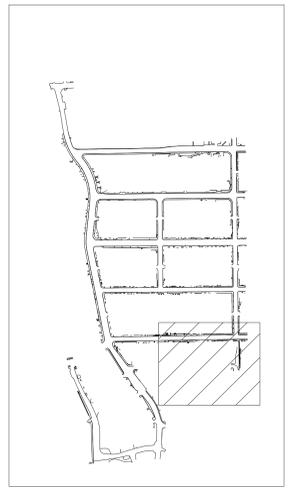
Arterial

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507 Bloomfield Avenue, 2nd floor
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info@arterialstreets.com

Consultant:
Creighton Manning

CREIGHTON MANNING ENGINEERING, LLP
2 WINNERS CIRCLE - ALBANY - NEW YORK - 12205
P: (518) 446-0298 F: (518) 446-0387 WWW.CMELLPCOM



KEY PLAN



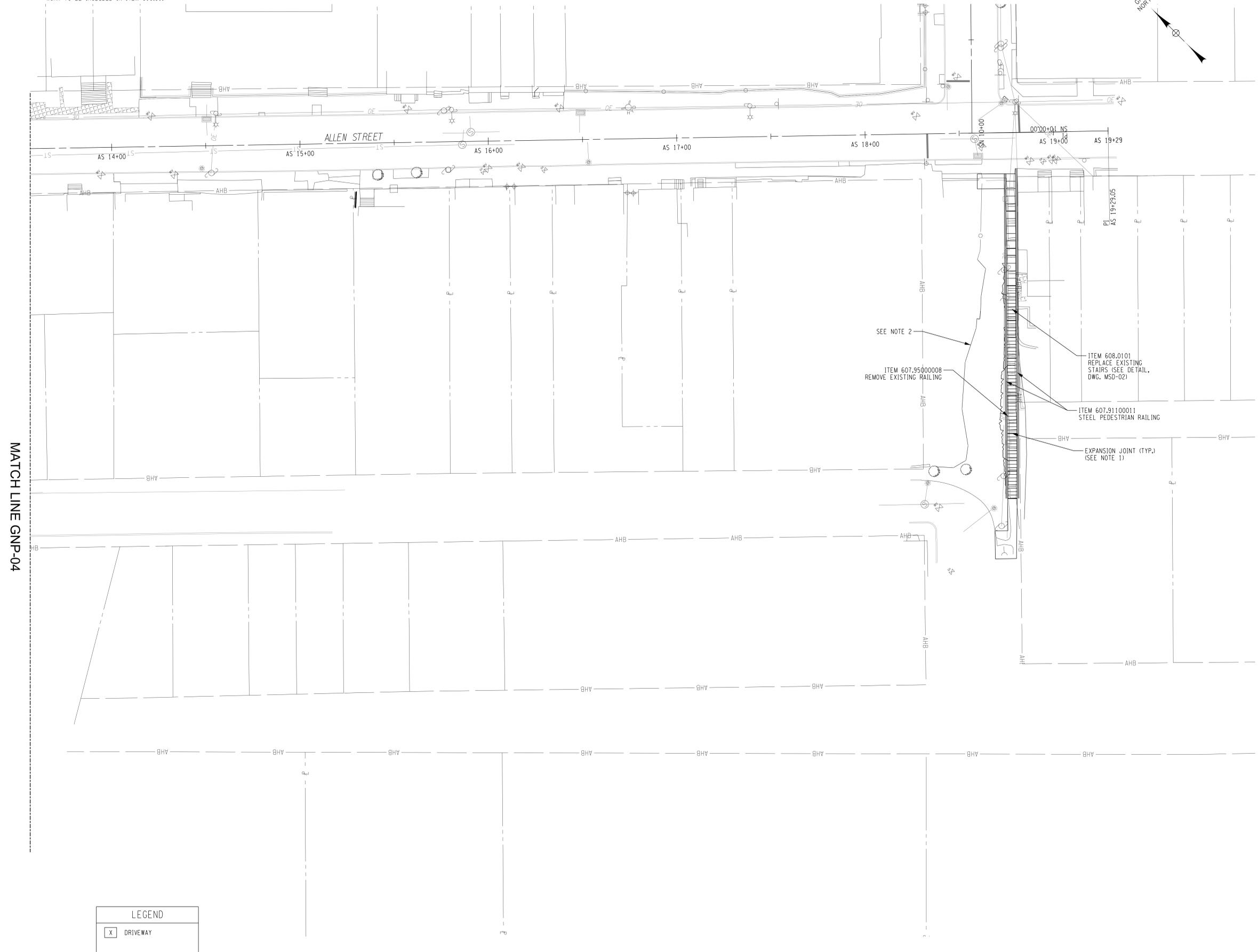
Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

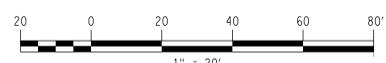
Sheet Title: GENERAL PLAN	
Drawn By: Z. SWERE	GNP-06
Checked By: A. Christian	
Date: 03/2024	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 65 of 89

- NOTE:
1. NEW STAIRS WILL REQUIRE EXPANSION JOINTS TO BE PLACED EVERY 20 FEET AND IN FRONT OF FIXED OBJECTS.
 2. CONTRACTOR CAN REMOVE AND RESET EXISTING CHAIN LINK FENCING IF NEEDED DURING STAIR RECONSTRUCTION, WORK TO BE INCLUDED IN ITEM 619.01.



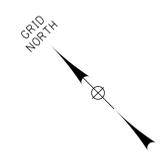
MATCH LINE GNP-04

LEGEND	
X	DRIVEWAY

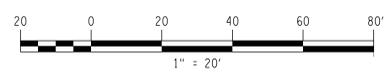


FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Working\CADD\dwg\119-235_sph_gnp_06.dwg
DATE: 3/20/2024
USER: zswere

NOTE:
 1. CONTRACTOR TO REMOVE EXISTING STRIPING WHERE CONFLICTING WITH PROPOSED LINE WORK.
 COST TO BE INCLUDED IN IN PRICE BID FOR ITEM 635.0103.



MATCH LINE SGP-02



Hudson Streetscape and
 Pedestrian Improvements
 Construction Document Set
 Hudson, NY
 Client:
 City of Hudson
 520 Warren Street
 Hudson, NY 12534
 Tel (518) 828-1030
 Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)



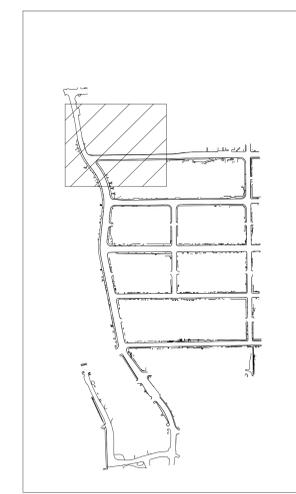
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 info@arterialstreets.com

Consultant:



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KEY PLAN



Donald Adams, PE
 LIC. No. 071963

Issue:
 No. Date Remarks

No.	Date	Remarks

Sheet Title:
SIGNING AND STRIPING PLAN

Drawn By:
 Z. SWERE

Checked By:
 A. Christian

Date:
 03/20/2024

Scale:
 1" = 20' - 0"

Project Number:
 02-2021-134.1

SGP-01

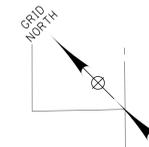
Sheet:
 67 of 89

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 DATE: 3/20/2024
 USER: zswere

NOTE:

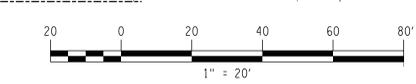
1. CONTRACTOR TO REMOVE EXISTING STRIPING WHERE CONFLICTING WITH PROPOSED LINE WORK, COST TO BE INCLUDED IN IN PRICE BID FOR ITEM 635.0103.

MATCH LINE SGP-01



MATCH LINE SGP-05

MATCH LINE SGP-03



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Hudson, NY
Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

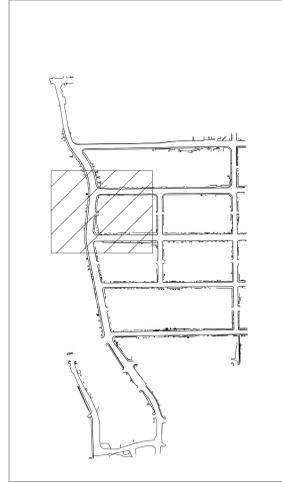


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KEY PLAN



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

Sheet Title:
SIGNING AND STRIPING PLAN

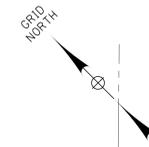
Drawn By: Z. SWERE	SGP-02
Checked By: A. Christian	
Date: 03/2024	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 68 of 89

FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Murking\CADD\sgp\119-235_sgp_sgn_02.dgn
DATE: 3/20/2024
USER: amanning

NOTE:

1. CONTRACTOR TO REMOVE EXISTING STRIPING WHERE CONFLICTING WITH PROPOSED LINE WORK, COST TO BE INCLUDED IN IN PRICE BID FOR ITEM 635.0103.

MATCH LINE SGP-02



MATCH LINE SGP-04

Hudson Streetscape and Pedestrian Improvements Construction Document Set

Hudson, NY

Client:
City of Hudson
 520 Warren Street
 Hudson, NY 12534
 Tel (518) 828-1030
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Role: (Urban Design + Landscape Architecture)

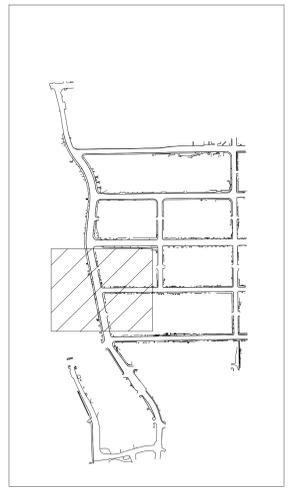


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KEY PLAN



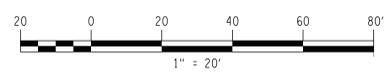
Donald Adams, PE
 LIC. No. 071963

Issue:
 No. Date Remarks

No.	Date	Remarks

Sheet Title:
SIGNING AND STRIPING PLAN

Drawn By: Z. SWERE	SGP-03
Checked By: A. Christian	
Date: 03/2024	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 69 of 89

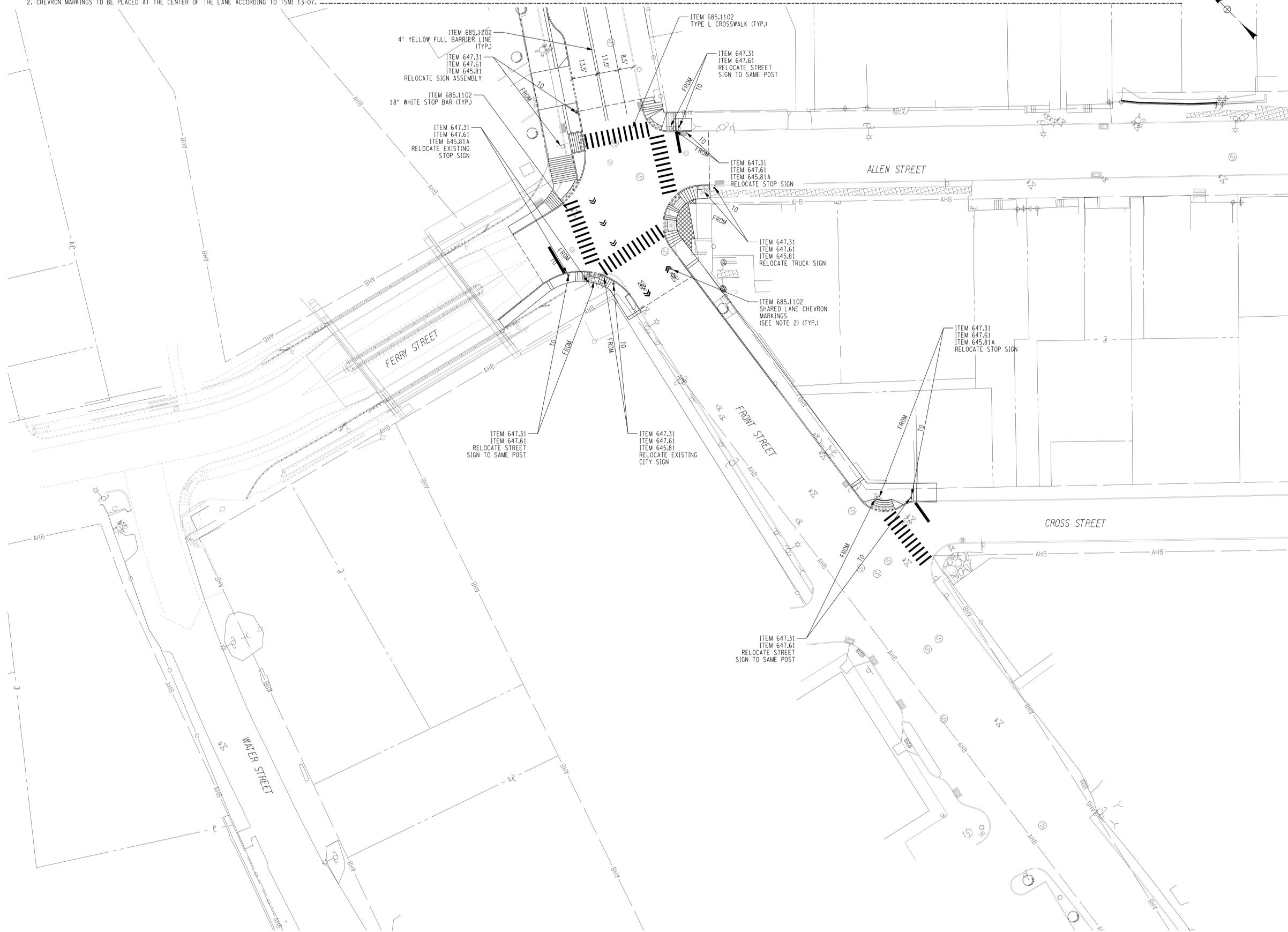


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 DATE: 3/20/2024
 USER: amanning

NOTES:

1. CONTRACTOR TO REMOVE EXISTING STRIPING WHERE CONFLICTING WITH PROPOSED LINE WORK, COST TO BE INCLUDED IN IN PRICE BID FOR ITEM 635.0103.
2. CHEVRON MARKINGS TO BE PLACED AT THE CENTER OF THE LANE ACCORDING TO TSMI 13-07.

MATCH LINE SGP-03



Hudson Streetscape and Pedestrian Improvements Construction Document Set

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 Client:
City of Hudson
 520 Warren Street
 Hudson, NY 12534
 Tel (518) 828-1030
 Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)



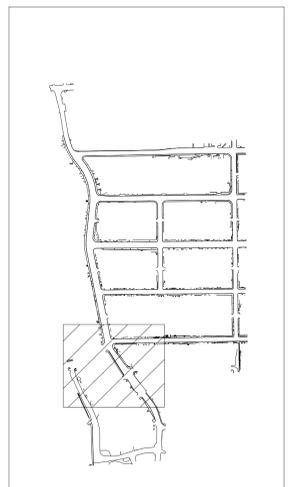
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Consultant:



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KEY PLAN

MATCH LINE SGP-06



Donald Adams, PE
 LIC. No. 071963

Issue:
 No. Date Remarks

No.	Date	Remarks

Sheet Title:
SIGNING AND STRIPING PLAN

Drawn By:
 Z. SWERE

Checked By:
 A. Christian

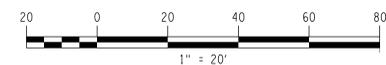
Date:
 03/2024

Scale:
 1" = 20' - 0"

Project Number:
 02-2021-134.1

SGP-04

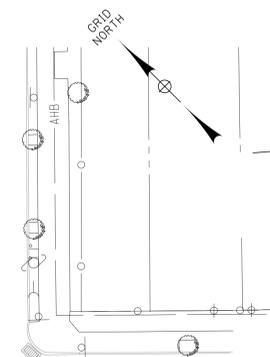
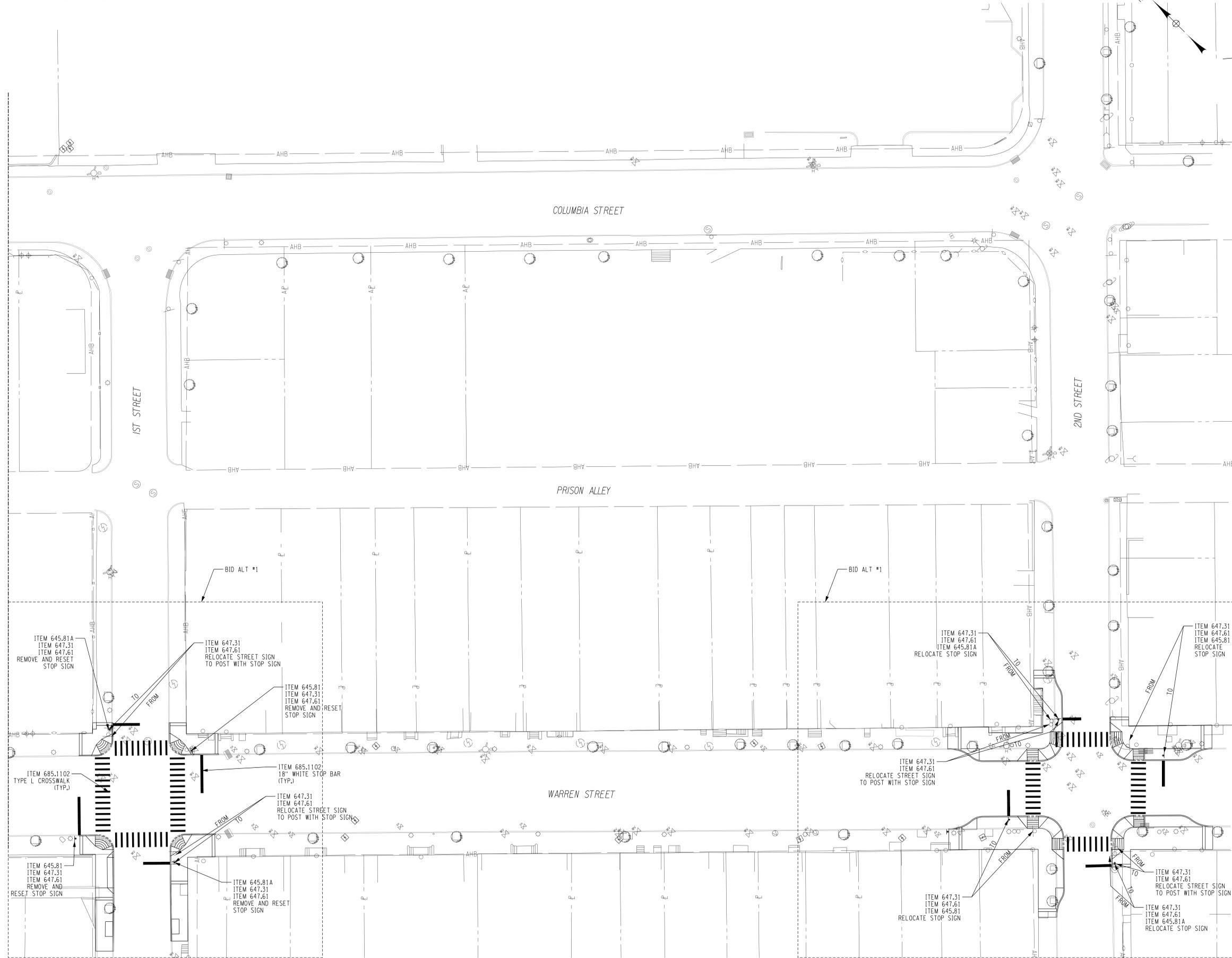
Sheet:
 70 of 89



NOTE:

- CONTRACTOR TO REMOVE EXISTING STRIPING WHERE CONFLICTING WITH PROPOSED LINE WORK, COST TO BE INCLUDED IN IN PRICE BID FOR ITEM 635.0103.

MATCH LINE SGP-02



Hudson Streetscape and Pedestrian Improvements Construction Document Set

Hudson, NY
 Client:
City of Hudson
 520 Warren Street
 Hudson, NY 12534
 Tel (518) 828-1030
 Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

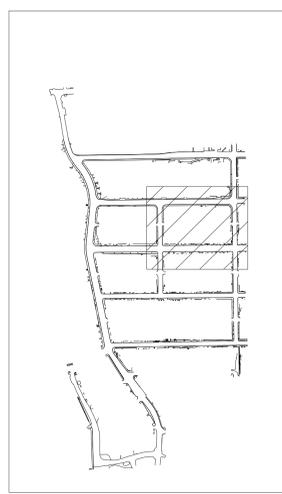


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KEY PLAN



Donald Adams, PE
 LIC. No. 071963

Issue:		
No.	Date	Remarks

Sheet Title:
SIGNING AND STRIPING PLAN

Drawn By:
 Z. SWERE

Checked By:
 A. Christian

Date:
 03/2024

Scale:
 1" = 20' - 0"

Project Number:
 02-2021-134.1

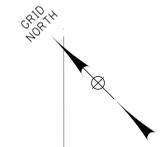
Sheet:
 73 of 89

SGP-05

FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Working\CADD\vdg\119-235_sgp_sgn_05.dgn
 DATE: 3/20/2024
 USER: zswere

NOTE:

1. CONTRACTOR TO REMOVE EXISTING STRIPING WHERE CONFLICTING WITH PROPOSED LINE WORK, COST TO BE INCLUDED IN IN PRICE BID FOR ITEM 635.0103.



MATCH LINE SGP-04

Hudson Streetscape and Pedestrian Improvements Construction Document Set

Hudson, NY

Client:
City of Hudson
 520 Warren Street
 Hudson, NY 12534
 Tel (518) 828-1030
 Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

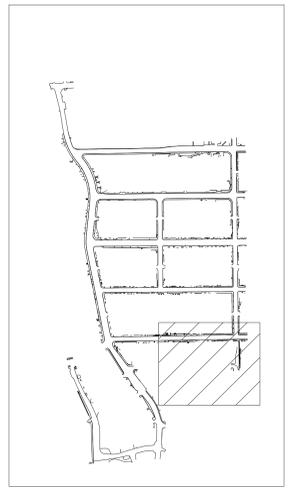


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 Montclair, New Jersey 07042 USA

www.arterialstreets.com
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info@arterialstreets.com



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 2 WINNERS CIRCLE - ALBANY - NEW YORK - 12205
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KEY PLAN



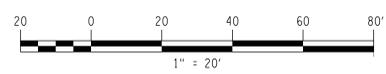
Donald Adams, PE
 LIC. No. 071963

Issue:
 No. Date Remarks

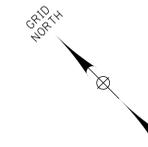
No.	Date	Remarks

Sheet Title:
SIGNING AND STRIPING PLAN

Drawn By: Z. SWERE	SGP-06
Checked By: A. Christian	
Date: 03/2024	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 75 of 89

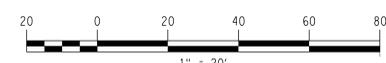


NOTE:
1. SEE DWG. MST-01 FOR ALL MANHOLE AND VALVE ADJUSTMENTS.



LEGEND

- DR
X PROPOSED STORM DRAINAGE
- R
X EXISTING STORM DRAINAGE REMOVALS
- ITEM 206.05 TEST PITS



MATCH LINE UTP-02

FILE: N:\Projects\2019\119-235 Arterial - Streetscape Improvements\Working\CADD\dwg\119-235-utp-01.dwg
DATE: 3/28/2024
USER: amanning

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY
Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

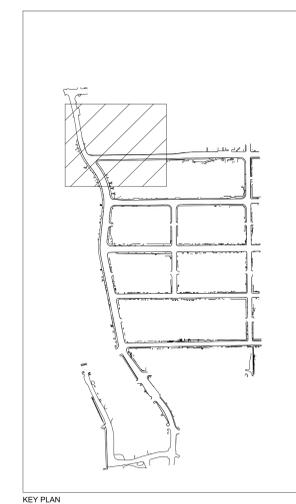
Role: (Urban Design + Landscape Architecture)



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Donald Adams, PE
LIC. No. 071963

Issue:

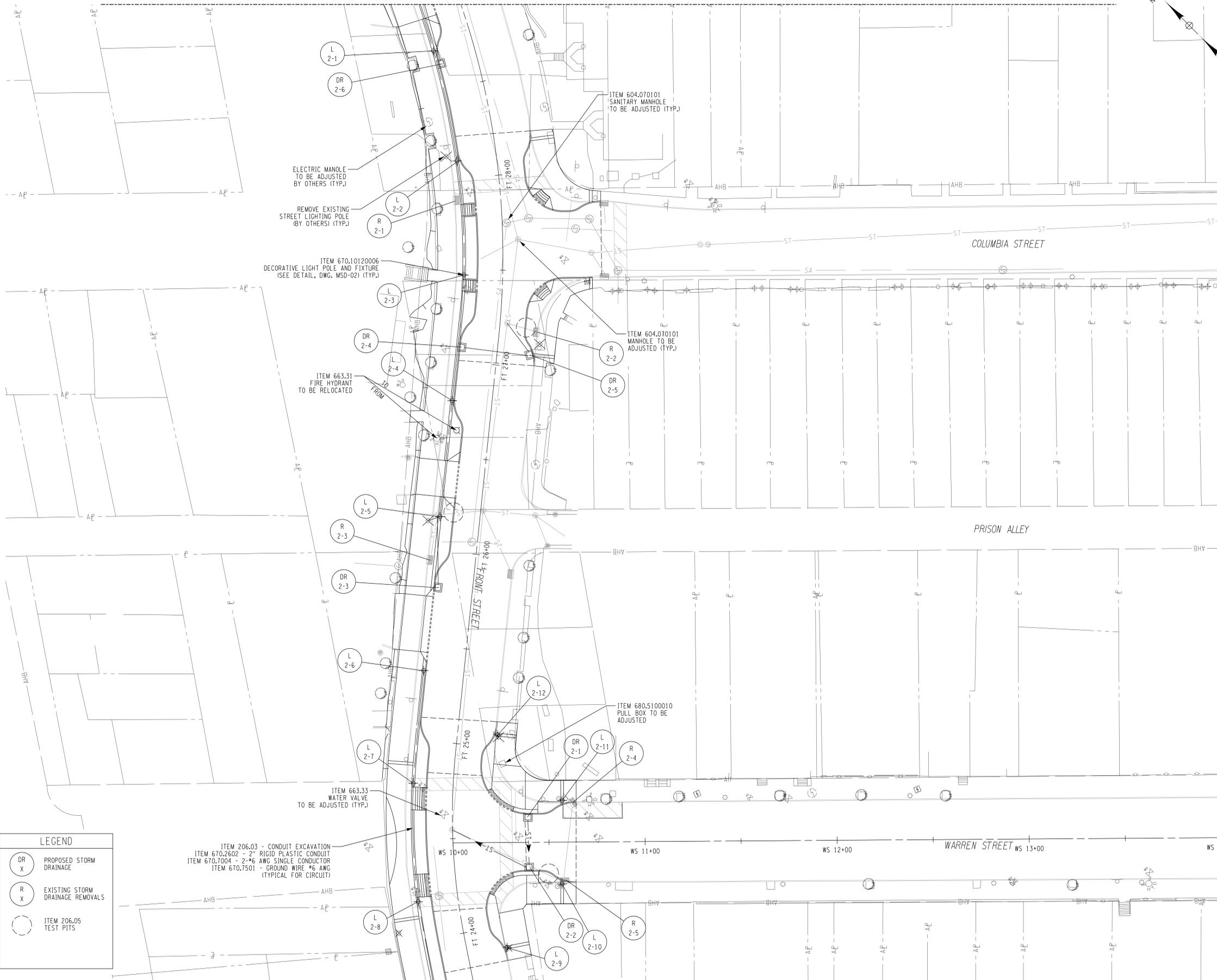
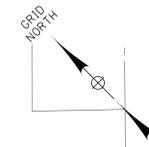
No.	Date	Remarks

Sheet Title:
UTILITY, DRAINAGE AND EROSION CONTROL PLAN

Drawn By: Z. SWERE	UTP-01
Checked By: A. Christian	
Date: 03/20/2024	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 77 of 89

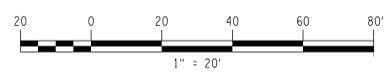
NOTE:
1. SEE DWG. MST-01 FOR ALL MANHOLE AND VALVE ADJUSTMENTS.

MATCH LINE UTP-01



MATCH LINE UTP-05

MATCH LINE UTP-03



LEGEND	
	PROPOSED STORM DRAINAGE
	EXISTING STORM DRAINAGE REMOVALS
	ITEM 206.05 TEST PITS

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY

Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

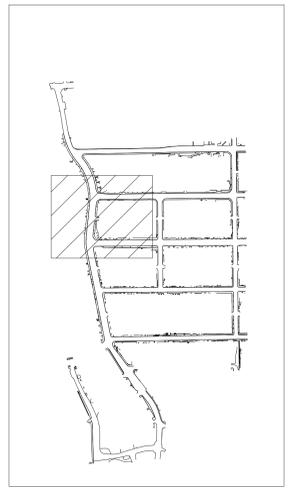


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KEY PLAN



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

Sheet Title:
UTILITY, DRAINAGE AND EROSION CONTROL PLAN

Drawn By:
Z. SWERE

Checked By:
A. Christian

Date:
03/20/24

Scale:
1" = 20' - 0"

Project Number:
02-2021-134.1

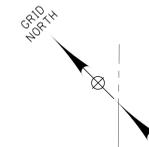
UTP-02

Sheet:
78 of 89

FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Working\CADD\dwg\119-235_urb\utp_02.dwg
DATE: 3/20/2024
USER: zswere

NOTE:
1. SEE DWG. MST-01 FOR ALL MANHOLE AND VALVE ADJUSTMENTS.

MATCH LINE UTP-02



MATCH LINE UTP-04

LEGEND	
	PROPOSED STORM DRAINAGE
	EXISTING STORM DRAINAGE REMOVALS
	ITEM 206.05 TEST PITS

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY
Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

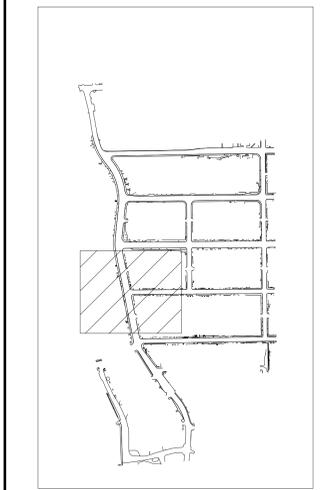


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KEY PLAN



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

Sheet Title:
UTILITY, DRAINAGE AND EROSION CONTROL PLAN

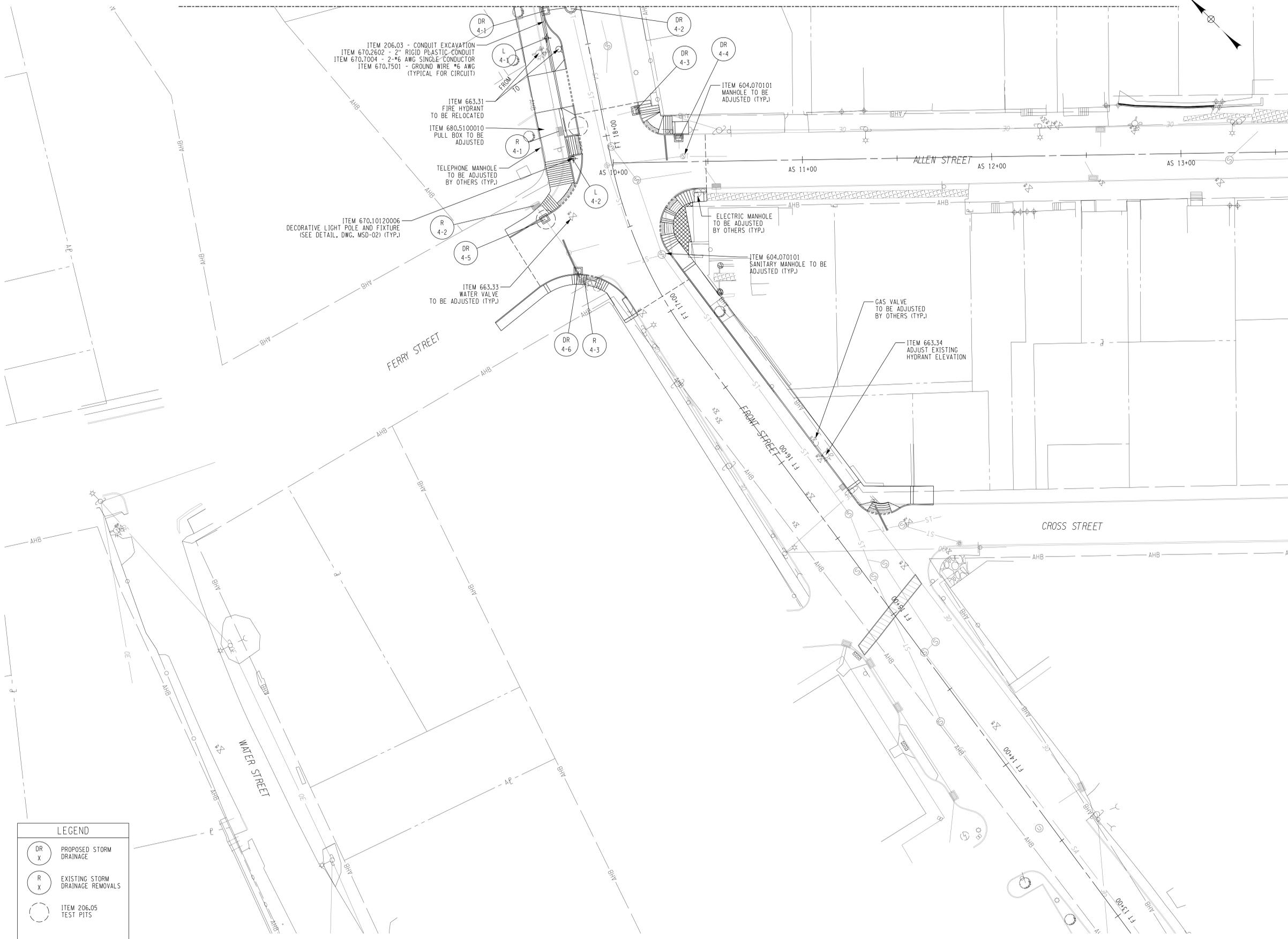
Drawn By: Z. SWERE	UTP-03
Checked By: A. Christian	
Date: 03/2024	Scale: 1" = 20' - 0"
Project Number: 02-2021-134.1	Sheet: 79 of 89



FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Working\CADD\dwg\119-235_urb\utp_03.dgn
DATE: 3/20/2024
USER: zswere

NOTE:
1. SEE DWG. MST-01 FOR ALL MANHOLE AND VALVE ADJUSTMENTS.

MATCH LINE UTP-03



MATCH LINE UTP-06

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY
Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)



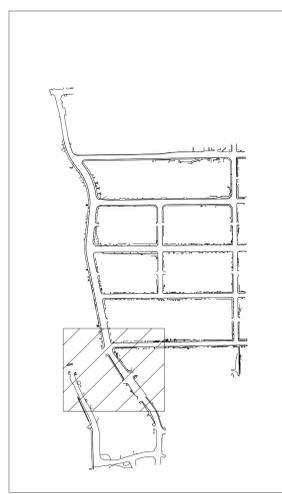
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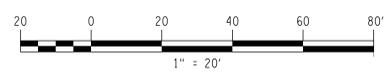


Donald Adams, PE
LIC. No. 071963

Issue:

No.	Date	Remarks

Sheet Title: UTILITY, DRAINAGE AND EROSION CONTROL PLAN	
Drawn By: Z. SWERE	UTP-04
Checked By: A. Christian	
Date: 03/2024	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 80 of 89

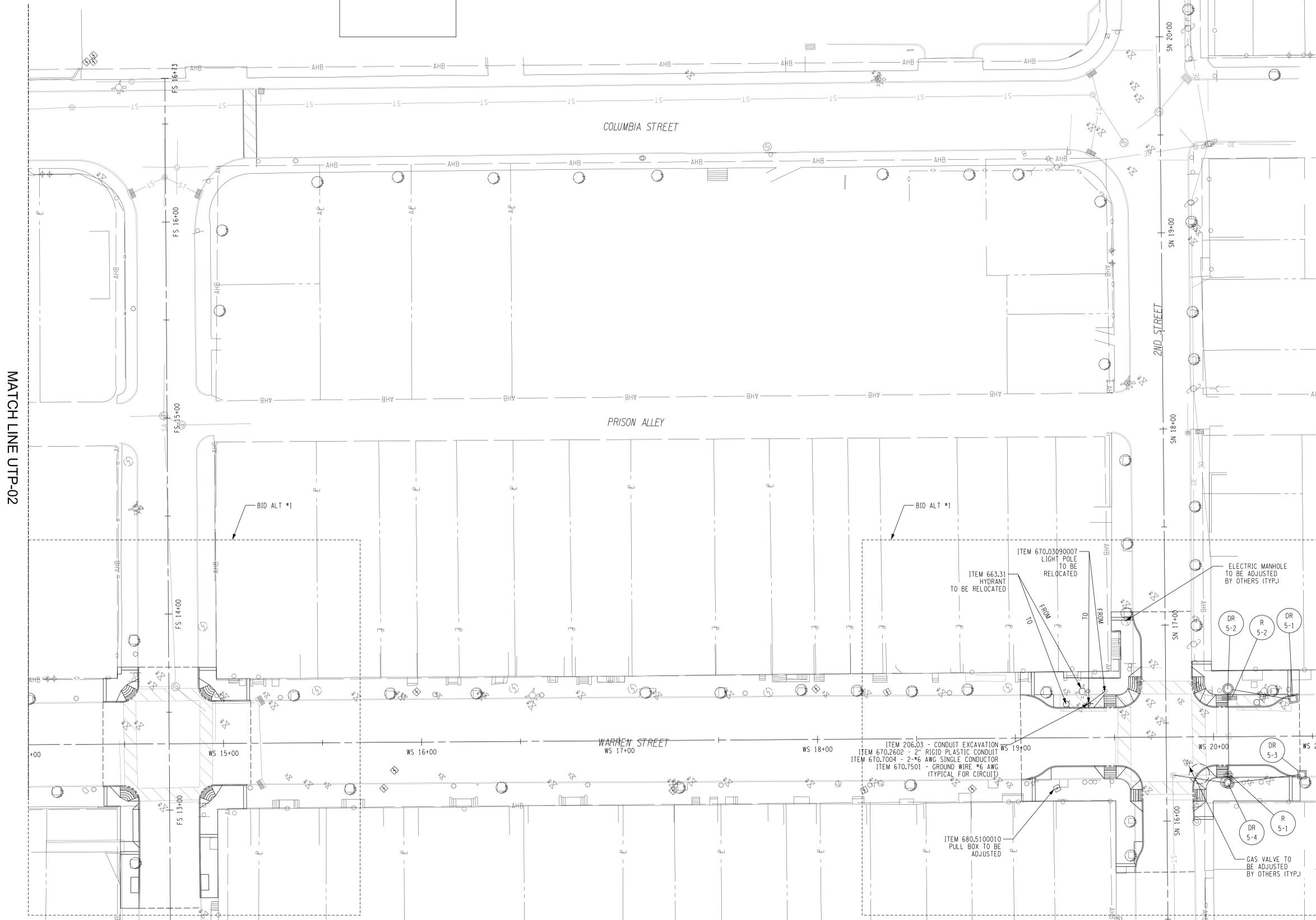


FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Working\CADD\dwg\119-235_urb\utp_04.dwg
DATE: 3/20/2024
USER: zswere

NOTE:
1. SEE DWG. MST-01 FOR ALL MANHOLE AND VALVE ADJUSTMENTS.

LEGEND

-  PROPOSED STORM DRAINAGE
-  EXISTING STORM DRAINAGE REMOVALS
-  ITEM 206.05 TEST PITS



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Client:
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520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

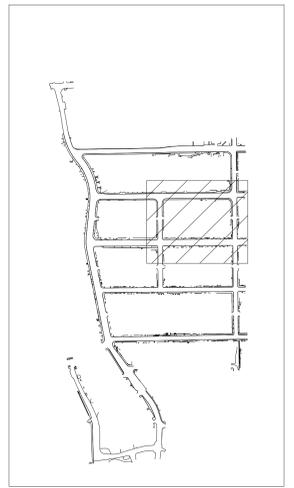


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KEY PLAN



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

Sheet Title:
UTILITY, DRAINAGE AND EROSION CONTROL PLAN

Drawn By:
Z. SWERE

Checked By:
A. Christian

Date:
03/2024

Scale:
1" = 20' - 0"

Project Number:
02-2021-134.1

UTP-05

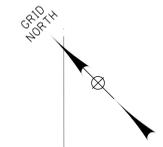
Sheet:
83 of 89

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DATE: 3/20/2024
USER: zswere

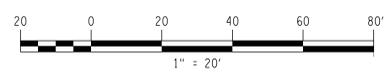
NOTE:
1. SEE DWG. MST-01 FOR ALL MANHOLE AND VALVE ADJUSTMENTS.



MATCH LINE UTP-04



LEGEND	
	PROPOSED STORM DRAINAGE
	EXISTING STORM DRAINAGE REMOVALS
	ITEM 209.13 SILT FENCE
	ITEM 206.05 TEST PITS



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Construction Document Set
Hudson, NY
Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
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Fax (518) 828-3103

Role: (Urban Design + Landscape Architecture)

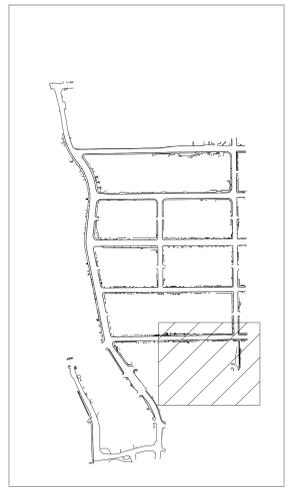


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KEY PLAN



Donald Adams, PE
LIC. No. 071963

Issue:		
No.	Date	Remarks

Sheet Title: UTILITY, DRAINAGE AND EROSION CONTROL PLAN	
Drawn By: Z. SWERE	UTP-06
Checked By: A. Christian	
Date: 03/2024	
Scale: 1" = 20' - 0"	
Project Number: 02-2021-134.1	Sheet: 85 of 89

FILE: N:\Projects\2019\119-235 - Streetscape Improvements\Working\CADD\dwg\119-235_06.dwg
DATE: 3/20/2024
USER: amanning

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY

Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
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Role: (Urban Design + Landscape Architecture)



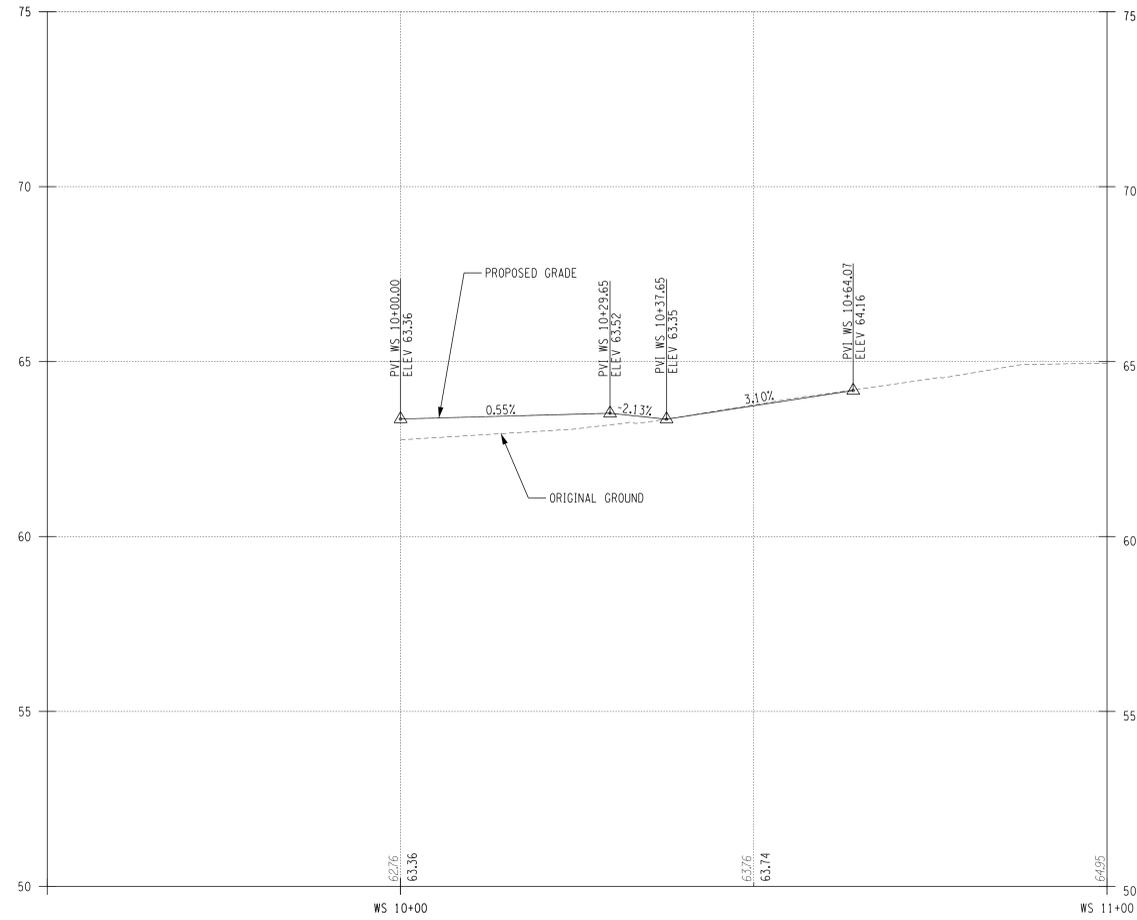
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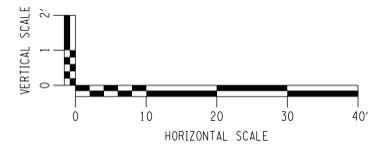
Consultant:



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WARREN STREET - PROFILE



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

No.	Date	Remarks

Sheet Title: PROFILE	
Drawn By: Z. SWERE	PRO-02
Checked By: A. Christian	
Date: 03/2024	
Scale:	Project Number: 02-2021-134.1
	Sheet: 87 of 89

FILE = N:\Projects\2019\119-235 - Streetscape Improvements\Working\CADD\dwg\119-235_sph.prc.dwg
DATE = 3/20/2024
USER = amorrising

PROPOSED DRAINAGE STRUCTURES															203.03 - EMBANKMENT	203.07 - SELECT FILL	206.0201 - TRENCH/CULVERT	552.17 - SHIELDING & SHORING	603.6009 - 36" RCP CLASS III	603.9815 - 15" SICPP	604.30172 - TYPE O/F2	604.302122 - TYPE U/22	604.4048 - ROUND PRECAST MANHOLE TYPE 48	604.4060 - ROUND PRECAST MANHOLE TYPE 60	655.0705 - CAST F2 FRAME AND GRATE	655.1122 - WELDED FRAME 22	655.1202 - MANHOLE FRAME 18 COVER
DR. NO.	LOCATION		FRAME		STR. TYPE	INVERT ELEVATION		PIPE INVERT	DESCRIPTION OF WORK	CY	CY	CY	SF	LF	LF	LF	EA	EA									
	FROM	TO	PROP. TF. ELEV. (FT)	PROPOSED FRAME TYPE		IN OUT																					
1-1	FT 29+45.36 O/S 12.42 LT	1-2	43.20	F2	Q	N: 39.00 E: 39.50	S: 39.50 W: 36.50	IN: 39.00 OUT: 36.50	INSTALL STRUCTURE AND 66 LF OF 15" SICPP PIPE	13	30	50	194		66	5.2											
1-2	FT 30+16.29 O/S 12.88 LT	EXIST	40.20	F2	Q	N: 34.60 E: 34.70	S: 36.50 W: 34.70	IN: 34.60 OUT: 32.55	INSTALL STRUCTURE AND 76 LF OF 15" SICPP PIPE AND CONNECT TO EXISTING STRUCTURE	29	36	73	240		76	6.6											
1-4	FT 32+17.39 O/S 23.40 LT	1-5	29.92	MH	60	N: 25.25 E: 25.95	S: 24.45 W: 25.95	IN: 25.25 OUT: 24.55	INSTALL STRUCTURE AND 14 LF OF 15" SICPP PIPE	5	20	35	262		14					5.8					1		
1-5	FT 32+33.31 O/S 21.20 LT	EXIST	28.60	22	U	N: 24.45 E: 24.55	S: 24.45 W: 24.55	IN: 24.45 OUT: 24.30	INSTALL STRUCTURE AND 13 LF OF 15" SICPP PIPE AND CONNECT TO EXISTING STRUCTURE	5	15	24	194		13		5.8										
1-6	FT 32+25.42 O/S 8.57 RT	EXIST	29.00	F2	Q	N: 24.90 E: 24.90	S: 24.90 W: 24.90	IN: 24.90 OUT: 24.75	INSTALL STRUCTURE AND 11 LF OF 15" SICPP PIPE AND CONNECT TO EXISTING STRUCTURE	4	14	22	187		11		5.0										
2-1	W 10+39.10 O/S 13.16 LT	2-2	63.35	22	U	N: 58.50 E: 58.50	S: 59.00 W: 57.50	IN: 59.00 OUT: 58.50	INSTALL STRUCTURE AND 24 LF OF 15" SICPP PIPE	9	19	32	201		24		6.0								1		
2-2	W 10+39.57 O/S 13.09 RT	EXIST	63.35	22	U	N: 58.50 E: 58.50	S: 59.00 W: 57.50	IN: 57.50 OUT: 55.70	INSTALL STRUCTURE AND 44 LF OF 15" SICPP PIPE AND CONNECT TO EXISTING STRUCTURE	28	27	62	251		44		7.5								1		
2-3	FT 25+80.59 O/S 17.99 LT	EXIST	59.45	22	U	N: 54.00 E: 54.00	S: 54.00 W: 54.00	IN: 54.00 OUT: 51.15	INSTALL STRUCTURE AND 37 LF OF 15" SICPP PIPE AND CONNECT TO EXISTING STRUCTURE	21	24	52	238		37		7.1								1		
2-4	FT 27+07.42 O/S 18.62 LT	2-5	53.95	F2	Q	N: 49.95 E: 49.95	S: 49.95 W: 49.60	IN: 49.95 OUT: 49.60	INSTALL STRUCTURE AND 33 LF OF 15" SICPP PIPE	10	20	35	187		33		5.0								1		
2-5	FT 27+07.13 O/S 16.97 RT	EXIST	54.05	22	U	N: 49.50 E: 49.50	S: 49.50 W: 49.60	IN: 49.50 OUT: 49.00	INSTALL STRUCTURE AND 19 LF OF 15" SICPP PIPE AND CONNECT TO EXISTING STRUCTURE	6	18	29	208		19		6.2								1		
2-6	FT 28+64.61 O/S 18.81 LT	1-1	46.80	F2	Q	N: 42.80 E: 42.80	S: 42.80 W: 39.50	IN: 42.80 OUT: 39.50	INSTALL STRUCTURE AND 75 LF OF 15" SICPP PIPE	18	33	58	187		75		5.0								1		
3-1	FT 23+07.44 O/S 12.59 LT	3-2	57.48	F2	Q	N: 51.00 E: 51.00	S: 51.00 W: 45.75	IN: 51.00 OUT: 45.75	INSTALL STRUCTURE AND 105 LF OF 15" SICPP PIPE	45	46	101	269		105		7.5								1		
3-2	FT 22+00.21 O/S 18.34 LT	3-3	49.54	F2	Q	N: 45.75 E: 45.75	S: 45.65 W: 45.50	IN: 45.65 OUT: 45.50	INSTALL STRUCTURE AND 8 LF OF 15" SICPP PIPE	3	13	19	184		8		4.9								1		
3-3	FT 22+00.18 O/S 6.20 LT	EXIST	49.75	MH	60	NW: 45.50 NE: 41.50	SW: 41.05 W: 40.40	IN: 41.05 OUT: 40.40	INSTALL STRUCTURE AND 8 LF OF 36" RCP PIPE AND CONNECT TO EXISTING 36" RCP PIPE	14	35	66	429	8						9.8					1		
3-4	FT 20+63.62 O/S 18.70 LT	3-5	40.45	F2	Q	N: 37.08 E: 37.08	SE: 37.08 W: 37.04	IN: 37.08 OUT: 37.04	INSTALL STRUCTURE AND 7 LF OF 15" SICPP PIPE	2	12	17	167		7		4.4								1		
3-5	FT 20+63.59 O/S 7.22 LT	EXIST	40.75	MH	60	NW: 37.04 NE: 28.80	SW: 28.60 W: 28.28	IN: 28.60 OUT: 28.28	INSTALL STRUCTURE AND 8 LF OF 36" RCP PIPE AND CONNECT TO EXISTING 36" RCP PIPE	23	43	89	571	8						13.3					1		
4-1	FT 18+71.74 O/S 18.67 LT	4-2	30.00	F2	Q	N: 26.63 E: 26.63	SW: 26.63 W: 26.58	IN: 26.63 OUT: 26.58	INSTALL STRUCTURE AND 10 LF OF 15" SICPP PIPE	2	13	18	167		10		4.4								1		
4-2	FT 18+71.09 O/S 5.07 LT	EXIST	30.17	MH	60	NE: 21.40 E: 21.40	SW: 21.24 NW: 20.99	IN: 21.24 OUT: 20.99	INSTALL STRUCTURE AND 8 LF OF 36" RCP PIPE AND CONNECT TO EXISTING 36" RCP PIPE	15	36	67	438	8						10.1					1		
4-3	FT 18+10.29 O/S 17.86 LT	EXIST	27.35	22	U	N: 23.60 E: 23.60	S: 24.50 W: 23.60	IN: 23.60 OUT: 23.60	INSTALL STRUCTURE AND CONNECT TO EXISTING PIPE	11	14	181					5.4								1		
4-4	A 10+34.82 O/S 12.79 LT	EXIST	27.50	22	U	N: 24.50 E: 24.50	S: 24.50 W: 24.50	IN: 24.50 OUT: 24.50	INSTALL STRUCTURE AND CONNECT TO EXISTING PIPE	9	12						4.7								1		
4-5	FT 17+66.52 O/S 41.60 LT	EXIST	26.30	F2	Q	N: 23.15 E: 23.15	S: 23.15 W: 23.15	IN: 23.15 OUT: 23.15	INSTALL STRUCTURE AND CONNECT TO EXISTING PIPE	9	13						4.2								1		
4-6	FT 17+38.55 O/S 34.17 LT	EXIST	25.90	22	U	N: 22.00 E: 22.00	S: 22.00 W: 22.00	IN: 22.00 OUT: 22.00	INSTALL STRUCTURE AND CONNECT TO EXISTING PIPE	11	15	186					5.6								1		
5-1	SN 16+61.78 O/S 64.31 RT	5-2	76.95	22	U	NW: 73.05 E: 73.05	S: 72.80 W: 72.90	IN: 73.05 OUT: 72.90	INSTALL STRUCTURE AND 30 LF OF 15" SICPP PIPE	9	20	33	186		30		5.6								1		
5-2	SN 16+67.11 O/S 31.44 RT	5-4	77.14	MH	48	N: 72.90 SE: 73.00	SW: 72.80 W: 72.35	IN: 72.80 OUT: 72.35	INSTALL STRUCTURE AND 45 LF OF 15" SICPP PIPE	15	27	49	225		45					5.5					1		
5-3	SN 16+23.01 O/S 68.43 RT	5-4	77.35	F2	Q	NW: 73.00 E: 73.00	S: 73.00 W: 72.00	IN: 73.00 OUT: 72.00	INSTALL STRUCTURE AND 34 LF OF 15" SICPP PIPE	12	21	39	199		34		5.4								1		
5-4	SN 16+18.99 O/S 31.39 RT	EXIST	76.90	MH	48	NE: 72.35 E: 72.00	SE: 72.00 NW: 71.00	IN: 71.00 OUT: 70.08	INSTALL STRUCTURE AND 27 LF OF 15" SICPP PIPE AND CONNECT TO EXISTING STRUCTURE	16	25	49	283		27					7.0					1		
TOTALS										304	587	1073	5834	24	678	57.6	53.9	12.5	39.0	12	8	6					

TABLE OF DRAINAGE REMOVALS								
R. NO.	LOCATION	EXIST. PIPE INVERT		DESCRIPTION OF WORK	203.02 - UNCLASSIFIED EXCAVATION	203.03 - EMBANKMENT	206.0201 - TRENCH/CULV	552.17 - SHIELDS & SHORING
		INLET	OUTLET		CY	CY	CY	SF
1-1	FT 32+16.97 O/S 13.25 LT	27.10		REMOVE 25 LF OF EXISTING 12" PIPE		20	20	317
1-2	FT 29+86.17 O/S 23.12 LT	32.16		REMOVE EXISTING STRUCTURE AND 17 LF OF EXISTING 12" CMP PIPE	22	41	20	488
2-1	FT 27+88.38 O/S 22.67 LT			REMOVE EXISTING STRUCTURE AND 26 LF OF EXISTING 12" PIPE	14	30	17	379
2-2	FT 27+19.16 O/S 18.68 RT		45.34	REMOVE EXISTING STRUCTURE AND 16 LF OF EXISTING 12" RCP PIPE	14	26	13	315
2-3	FT 25+94.68 O/S 23.27 LT		51.15	REMOVE EXISTING STRUCTURE AND 21 LF OF EXISTING 12" RCP PIPE	15	30	16	373
2-4	WS 10+62.25 O/S 21.00 LT	60.00	58.91	REMOVE EXISTING STRUCTURE AND 38 LF OF EXISTING 12" RCP PIPE	12	32	21	91
2-5	WS 10+58.11 O/S 20.23 RT	58.80	57.50	REMOVE EXISTING STRUCTURE AND 62 LF OF EXISTING 12" RCP PIPE	14	59	46	859
3-1	FT 22+24.15 O/S 22.87 LT	47.18		REMOVE EXISTING STRUCTURE AND 18 LF OF EXISTING 12" PIPE	12	21	10	90
3-2	FT 19+97.73 O/S 23.00 LT	31.26		REMOVE EXISTING STRUCTURE AND 16 LF OF EXISTING 12" PIPE	13	23	10	264
4-1	FT 18+06.75 O/S 23.25 LT	24.37		REMOVE EXISTING STRUCTURE AND 20 LF OF EXISTING 12" PIPE	41	18	9	
4-2	FT 17+72.94 O/S 44.10 LT	23.40	23.15	REMOVE EXISTING STRUCTURE AND 6 LF OF EXISTING 12" RCP PIPE	9	11	3	
4-3	FT 17+33.87 O/S 33.50 LT	21.99		REMOVE EXISTING STRUCTURE AND 7 LF OF EXISTING 12" PIPE	11	14	4	86
5-1	SN 16+22.95 O/S 31.08 RT		70.08	REMOVE EXISTING STRUCTURE AND 25 LF OF EXISTING 15" PIPE	12	32	20	364
5-2	SN 16+62.75 O/S 33.50 RT			REMOVE EXISTING STRUCTURE	11	11		86
TOTALS					200	368	209	3712

Hudson Streetscape and Pedestrian Improvements
Construction Document Set
Hudson, NY
Client:
City of Hudson
520 Warren Street
Hudson, NY 12534
Tel (518) 828-1030
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Role: (Urban Design + Landscape Architecture)

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Street Design Studio
507 Bloomfield Avenue, 2nd floor
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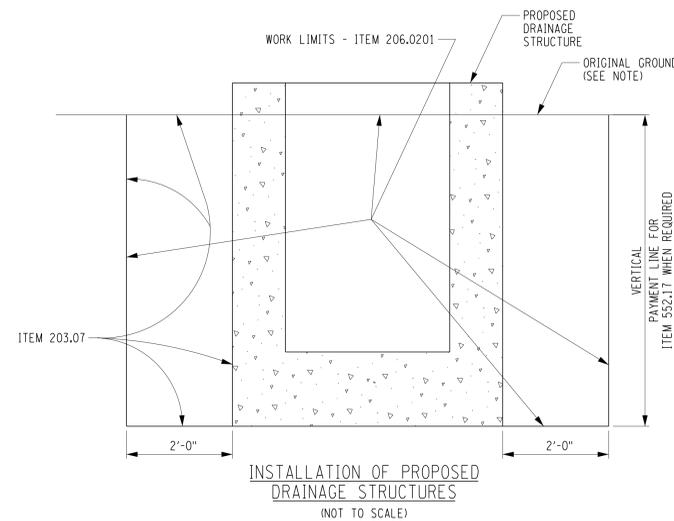
Consultant:
Creighton Manning
CREIGHTON MANNING ENGINEERING, LLP
2 WINNERS CIRCLE - ALBANY - NEW YORK - 12205
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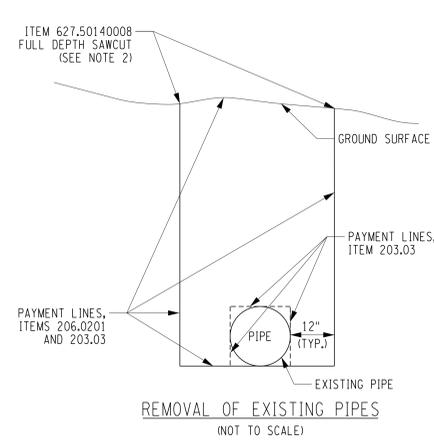
Donald Adams, PE
LIC. No. 071963
Issue:
No. Date Remarks

Sheet Title:
DRAINAGE TABLE
Drawn By:
Z. SWERE
Checked By:
A. Christian
Date:
03/2024
Scale:
Project Number:
02-2021-134.1
Sheet:
88 of 89
DRT-01

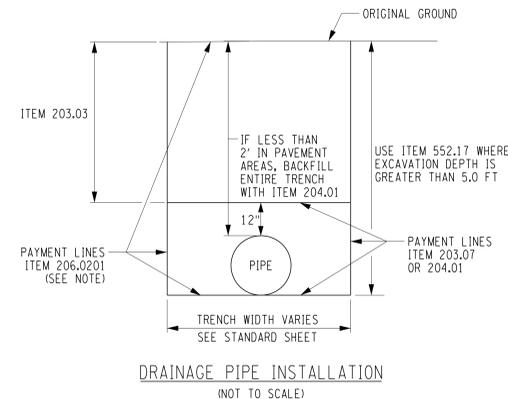
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DATE: 3/20/2024
USER: amanning



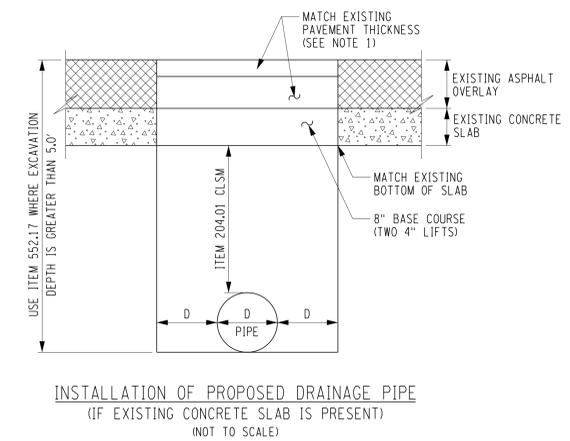
NOTE:
IT IS ASSUMED THAT ALL STRUCTURE INSTALLATIONS WILL BE DONE PRIOR TO ROADWAY RECONSTRUCTION. IF STRUCTURE INSTALLATION IS DONE CONCURRENTLY WITH ROADWAY RECONSTRUCTION, BOTH PAYMENT LINES FOR EXCAVATION AND BACKFILL (WHERE APPLICABLE) WILL BE TO PROPOSED SUBGRADE.



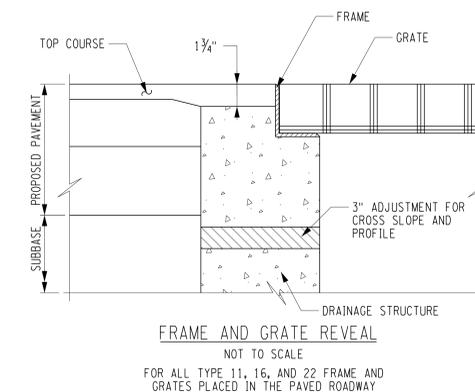
NOTE:
1. IF THE EXCAVATION LIMITS FOR THE INSTALLATION OF A NEW PIPE OVERLAPS THE EXCAVATION LIMITS FOR PIPE REMOVALS, PAYMENT FOR EXCAVATION SHALL BE PAID ONLY FOR NEW PIPE INSTALLATION.
2. CONTRACTOR SHALL SAWCUT ALL TRENCHES. ALL TRENCHES SHALL HAVE CLEAN EDGES PRIOR TO ASPHALT BEING INSTALLED. ANY BROKEN EDGES SHALL BE SAWCUT AT THE CONTRACTOR'S EXPENSE BEFORE INSTALLING ASPHALT.



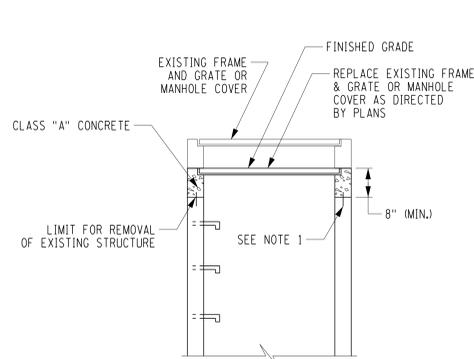
NOTE:
IT IS ASSUMED THAT ALL PIPE INSTALLATIONS WILL BE DONE PRIOR TO ROADWAY RECONSTRUCTION. IF PIPE INSTALLATION IS DONE CONCURRENTLY WITH ROADWAY RECONSTRUCTION, BOTH PAYMENT LINES FOR EXCAVATION AND BACKFILL (WHERE APPLICABLE) WILL BE TO PROPOSED SUBGRADE.



NOTE:
1. EXISTING ASPHALT ASSUMED TO BE 1 1/2" TOP COURSE AND 2 1/2" BINDER COURSE. QUANTITY FOR TRENCH RESTORATION TO BE PAID UNDER ITEMS 402.127204 AND 402.197904. 8" BASE COURSE TO BE PAID UNDER ITEM 402.377904.

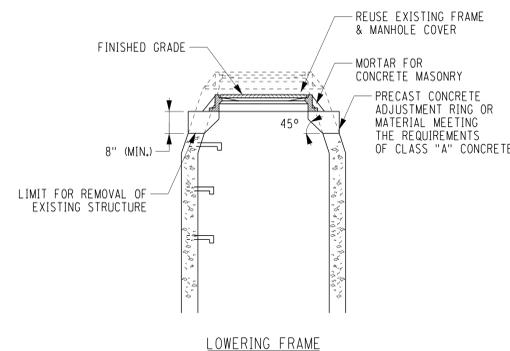
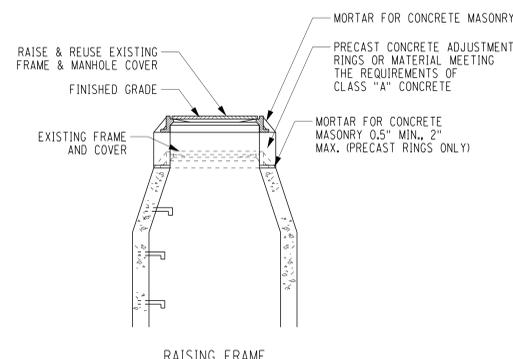


FOR ALL TYPE 11, 16, AND 22 FRAME AND GRATES PLACED IN THE PAVED ROADWAY



NOTES:
1. DRILL AND GROUT #4 BAR DOWELS, AT 12" C.C., WITH 6" MIN. EMBEDMENT INTO OLD AND NEW CONCRETE. ALL EXISTING CONCRETE SURFACES THAT WILL BE IN CONTACT WITH NEW CONCRETE SHALL BE COATED WITH EPOXY POLYSULFIDE GROUT PER NYS DOT STANDARD SPECIFICATIONS 721.03.
2. PAYMENT FOR EXCAVATION, PARTIAL STRUCTURE EXCAVATION, CONCRETE, GROUT AND UNCOATED REINFORCING BARS REQUIRED FOR THE ALTERATION OF THE EXISTING STRUCTURES SHALL BE INCLUDED IN PAYMENT FOR ITEM 604.070101.

ALTER EXISTING DRAINAGE STRUCTURE
ITEM 604.070101
(NOT TO SCALE)



ALTERING DRAINAGE STRUCTURE, LEACHING BASIN AND MANHOLE NOTES

ALL REQUIRED WORK AND MATERIALS SHALL CONFORM TO SECTION 604 OF THE STANDARD SPECIFICATIONS AND AS MODIFIED BELOW.

- ALL CAST-IN-PLACE CONCRETE SHALL BE CLASS "A".
- DRILL AND GROUT #4 BAR DOWELS 12" C.C., WITH 6" MIN. EMBEDMENT INTO OLD SURFACES AND NEW CONCRETE. ALL EXISTING CONCRETE SURFACES THAT WILL BE IN CONTACT WITH NEW CONCRETE SHALL BE COATED WITH EPOXY POLYSULFIDE GROUT PER NYS DOT STANDARD SPECIFICATION 721.03.
- PAYMENT FOR EXCAVATION, PARTIAL STRUCTURE EXCAVATION, CONCRETE GROUT, AND UNCOATED REINFORCING BARS REQUIRED FOR THE ALTERATION OF THE EXISTING STRUCTURES SHALL BE INCLUDED IN THE APPROPRIATE ALTERATION ITEM FOR EACH STRUCTURE.
- SEE TABLE, DWG. DRT-01, FOR DESCRIPTIONS.
- ALL EXISTING MORTAR AND MASONRY ADJUSTMENTS SHALL BE REMOVED PRIOR TO INSTALLING CONCRETE ADJUSTMENT RINGS.

CASE 1:

THIS IS FOR LOCATIONS SPECIFIED, WHERE THE EXISTING MANHOLE FRAMES (OR AS SPECIFIED BY THE ENGINEER FOR OTHER UTILITY MANHOLE FRAMES) THAT REQUIRE ELEVATION ADJUSTMENT 12" OR LESS, EITHER HIGHER OR LOWER, FROM THE EXISTING TOP OF FRAME ELEVATION.

CASE 2:

THIS IS AS SPECIFIED IN THE DRAINAGE TABLE OR SPECIFIED BY THE ENGINEER, WHERE EXISTING DRAINAGE STRUCTURE FRAMES REQUIRE ELEVATION ADJUSTMENT 12" TO 33", EITHER HIGHER OR LOWER FROM THE EXISTING TOP OF FRAME ELEVATION. THIS ITEM DOES NOT REQUIRE THE STRUCTURE TO BE LINED.

WHEN THE DEPTH OF THE ALTER IS MORE THAN 33", THE FOLLOWING SHALL APPLY:

- PAYMENT SHALL BE BY THE RESPECTIVE CONTRACT ITEM FOR CB; DI; OR MH AND ITEM FOR ADJUSTMENT WILL NOT BE PAID.
- WHEN SOUND EXISTING CONCRETE IS ENCOUNTERED, 12", #4 BARS AT 12" CENTERS SHALL BE DRILLED AND GROUTED.

CASE 3:

IF THE MANHOLE IS SEVERELY DETERIORATED, THE ENTIRE CONICAL SECTION MAY REQUIRE REPLACEMENT ONLY AS APPROVED BY THE ENGINEER. REPLACEMENT, IF APPROVED, SHALL BE MADE USING A PRECAST CONCRETE RISER UNIT AND SHALL CONFORM TO, AND BE PAID UNDER, APPROPRIATE STRUCTURE ITEM NUMBER.



Donald Adams, PE
LIC. No. 071963

Issue:
No. Date Remarks

Sheet Title: DRAINAGE DETAILS	
Drawn By: Z. SWERE	DRD-01
Checked By: A. Christian	
Date: 03/2024	
Scale: 03/2024	
Project Number: 02-2021-134.1	Sheet: 89 of 89