

ONONDAGA COUNTY GREEN STREETS CSO 060/077

VINCENT STREET, SYRACUSE, NEW YORK 13210

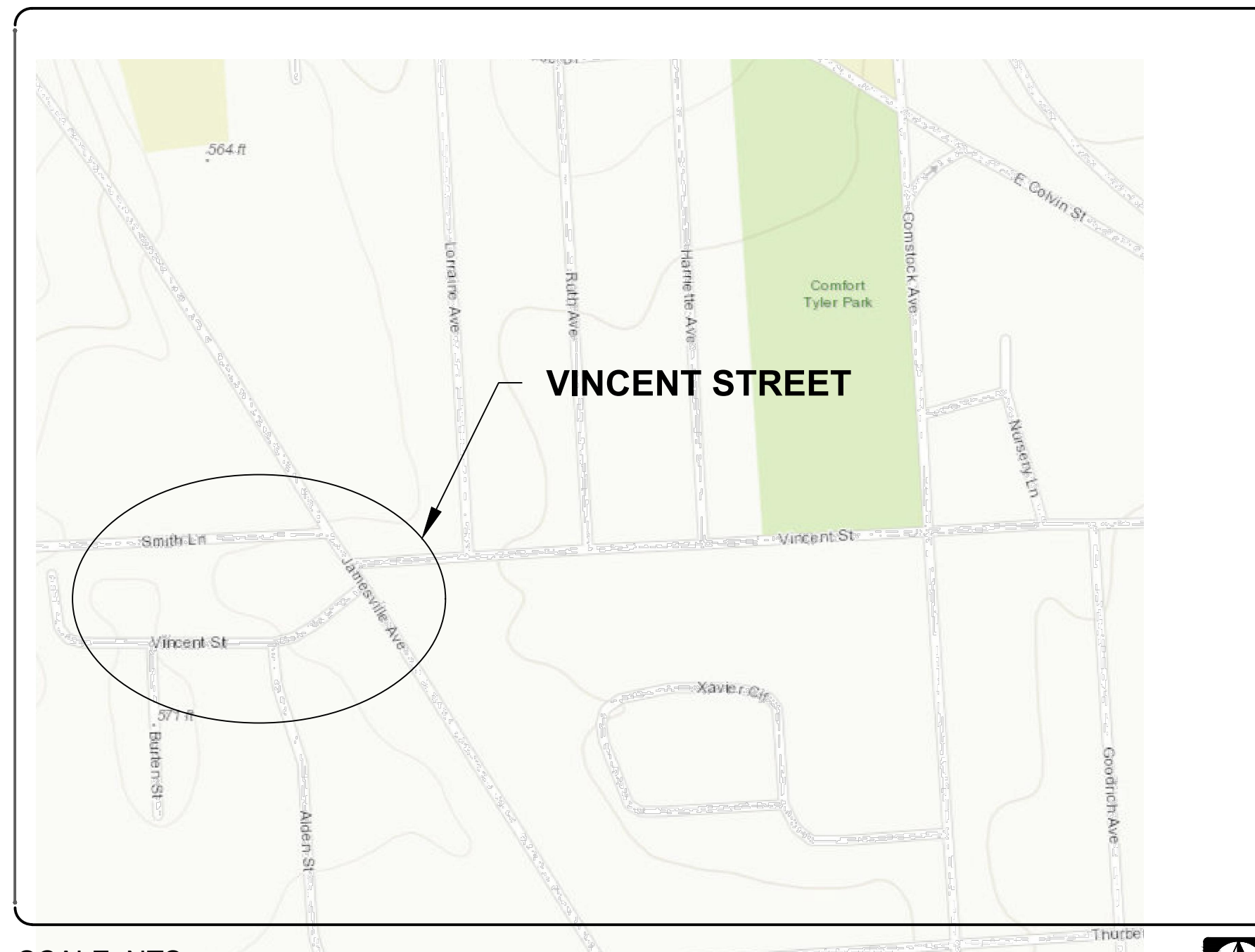
TASK ORDER #2020-005G

AS BUILT

EDR Job #19008

FEBRUARY, 2022

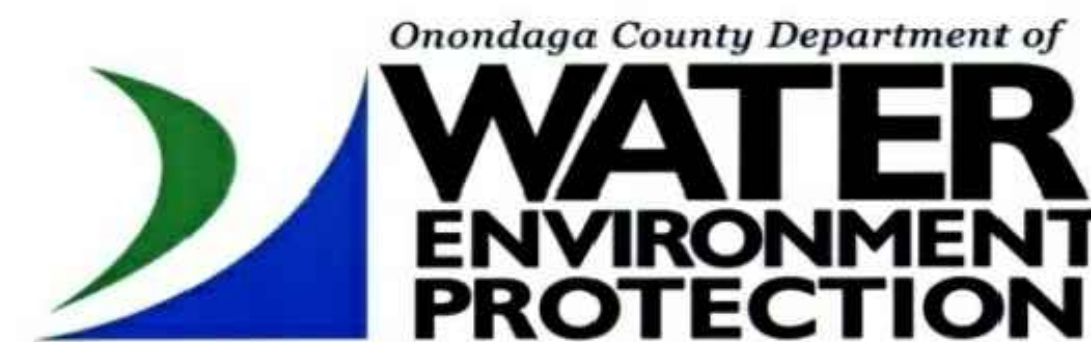
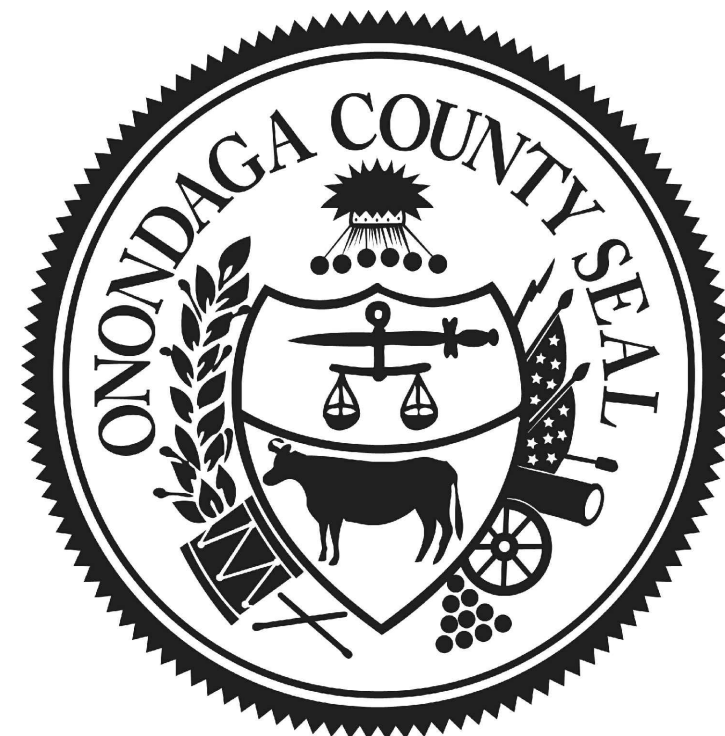
Project Location Map



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Prepared for:



Prepared by:



AS BUILT DRAWING

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

DATE: 2/19/2022 PER: Michael E. Tamblyn



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Table with 2 columns: DATE, SCALE, EDR Job#, DRAWN BY, FILE NAME, DRAWING NUMBER. Row 1: 5/14/2020. Row 2: 19008. Row 3: BL. Row 4: VINCENT STREET. Row 5: G-001.

AS BUILT DRAWING THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR. DATE: 2/19/2022 PER: Michael E. Tamblin

A. GENERAL NOTES

- 1. PROVIDE TEMPORARY FENCING AND ADEQUATE SIGNAGE TO MAINTAIN SECURITY AT ALL TIMES IN ORDER TO PROTECT THE WORK IN PROGRESS. OPEN EXCAVATIONS SHALL BE PROPERLY PROTECTED AT ALL HOURS. ALL EXCAVATIONS SHALL BE BACK FILLED AT THE END OF EACH DAY. 2. NOTIFY DIG SAFELY NEW YORK (811) AT LEAST 72 HOURS PRIOR TO CONSTRUCTION. 3. CONTRACTOR SHALL NOTIFY ALL UTILITY PURVEYORS AT LEAST 72 HOURS IN ADVANCE OF STARTING ANY WORK. 4. VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WORK. 5. PROTECT EXISTING TREES AND OTHER SITE AMENITIES INDICATED TO REMAIN DURING CONSTRUCTION. INSTALL PROTECTIVE FENCING AS INDICATED ON THE DRAWINGS. EXERCISE ALL REASONABLE CARE WHEN WORKING IN CLOSE PROXIMITY TO EXISTING VEGETATION TO AVOID DAMAGE. AVOID THE USE OF HEAVY EQUIPMENT OR STOCKPILING MATERIALS WITHIN THE TREES' DRIP LINE. 6. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR VEHICULAR AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD). TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE CITY OF SYRACUSE PRIOR TO THE COMMENCEMENT OF ALL CONSTRUCTION ACTIVITIES. ALL TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE AND BE PROPERLY MAINTAINED FOR THE DURATION OF THE WORK. 7. THE CONTRACTOR SHALL APPLY FOR ALL REQUIRED PERMITS AND PAY ALL REQUIRED FEES BY GOVERNING AGENCIES HAVING JURISDICTION OVER THE FACILITIES AND NATURAL FEATURES FOUND ON THE SITE. 8. ALL WORK AND AMENITIES SHOWN ON THE CONTRACT DOCUMENTS SHALL BE CONSIDERED "NEW" UNLESS INDICATED TO BE "EXISTING". 9. THE CONTRACTOR SHALL SCHEDULE THE CONSTRUCTION SEQUENCE TO MAINTAIN CONTINUITY OF ACTIVITIES WITHOUT DELAYS. 10. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE EXISTING SITE CONDITIONS PRIOR TO THE START OF ANY CONSTRUCTION SITE DISTURBANCE. 11. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAKE ALL NECESSARY PROVISIONS FOR PROTECTION OF THE PUBLIC, THE WORKMEN AND THE WORK, AND FOR MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC AS REQUIRED BY THE AGENCIES OF GOVERNMENT HAVING JURISDICTION. 12. THE CONTRACTOR SHALL ADHERE TO ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), STATE AND LOCAL SAFETY REGULATIONS. 13. PROMPTLY REPORT TO THE ENGINEER ANY DISCREPANCIES FOUND ON THE SITE OR IN THE CONTRACT DOCUMENTS FOR REVIEW AND RESOLUTION BEFORE PROCEEDING WITH THE WORK IN THE AREA IN QUESTION. PROVIDE FIELD INFORMATION SPECIFIC TO THE DISCREPANCY TO EXPEDITE RESOLUTION. 14. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A NEW YORK STATE LICENSED LAND SURVEYOR FOR THE LAYOUT AND STAKEOUT OF ALL SITE WORK AND PREPARATION OF AS-BUILT SURVEY. ENGINEER SHALL SUPPLY AUTOCAD FILES OF BASE SURVEY TO CONTRACTOR FOR HORIZONTAL CONTROL. 15. AT CLOSE OF PROJECT, CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF ALL STRUCTURES USING A NYS LICENSED SURVEYOR. THE CONTRACTOR SHALL PREPARE AS-BUILT RECORD DRAWING SHOWING RIMS, INVERTS, PIPE SIZES, PIPE LOCATIONS PIPE BENDS, CLEANOUTS, BLIND CONNECTIONS, ETC. 16. LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT SURVEYING REFERENCE POINTS. 17. AVOID ANY DISTURBANCE OF EXISTING VEGETATION ON THE SITE EXCEPT THE VEGETATION SPECIFICALLY DESIGNATED TO BE REMOVED. 18. TAKE ALL PRECAUTIONS NECESSARY TO PREVENT EROSION AND CONTROL SEDIMENTATION AS REQUIRED BY THE AGENCIES OF GOVERNMENT HAVING JURISDICTION. 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING AND MAINTENANCE OF SURFACE WATER AND/OR GROUNDWATER ENCOUNTERED DURING THE COURSE OF WORK. 20. COMPLY WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS REGARDING MATERIALS, METHODS OF WORK AND DISPOSAL OF EXCESS AND WASTE MATERIALS. 21. BURNING OF MATERIALS OF ANY DESCRIPTION ON THE SITE IS PROHIBITED. 22. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL: A. REVIEW THE CONTRACT DOCUMENTS FOR ACCURACY OF EXISTING CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES. BY COMMENCING CONSTRUCTION, THE CONTRACTOR ACCEPTS THE CONTRACT DOCUMENTS AS ACCURATELY REPRESENTING THE EXISTING SITE CONDITIONS. B. ESTABLISH THE LIMITS OF ALL AREAS TO BE DISTURBED. C. PROVIDE EXPLORATORY EXCAVATIONS AND COORDINATE ALL PIPING LAYOUTS WITH THE ENGINEER TO ELIMINATE ALL CONFLICTS WITH EXISTING UTILITIES. 22. THE USE OF EXPLOSIVES OF ANY DESCRIPTION ON THE SITE IS PROHIBITED. 23. CONSTRUCTION DEBRIS AND DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE DAILY AS DETERMINED BY THE ENGINEER AND SHALL NOT BE ALLOWED TO ACCUMULATE. EMPLOY APPROPRIATE MEASURES TO PREVENT LOOSE DEBRIS FROM LEAVING THE CONSTRUCTION AREA. 24. ALL FACILITIES TO BE CONSTRUCTED OR INSTALLED SHALL COMPLY WITH ALL

SECTIONS AND LATEST REVISIONS OF THE REQUIREMENTS OF ALL AGENCIES OF GOVERNMENT HAVING JURISDICTION.

- 25. LONG LEAD AND SCARCE MATERIALS SHALL BE ORDERED IN A TIMELY MANNER TO PREVENT AVOIDABLE CONSTRUCTION DELAYS. 26. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE CAUSED BY CONSTRUCTION TO EXISTING UTILITIES AND FACILITIES WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. THE CONTRACTOR SHALL REPAIR, RESTORE AND/OR REPLACE ALL DAMAGE TO THE SATISFACTION OF ENGINEER AT NO ADDITIONAL COST TO THE OWNER. 27. THE CONTRACTOR SHALL RESTORE ALL DISTURBED SURFACES TO ORIGINAL OR BETTER CONDITION INCLUDING 6 INCHES OF TOPSOIL, SEED, FERTILIZER, AND MULCH. OTHER SURFACES SHALL BE RESTORED AS SHOWN ON THE DETAILS. 28. IMMEDIATELY FOLLOWING CONSTRUCTION, RETURN ALL EXISTING IMPROVEMENTS TO PRE-CONSTRUCTION CONDITIONS. 29. REPAIR ALL CONSTRUCTION ACCESS PATHWAYS TO PRE-CONSTRUCTION CONDITIONS AT THE CONCLUSION OF WORK. 30. REPLACE EXISTING LEAD WATER SERVICES TO THE PROPERTIES LISTED BELOW PER SYRACUSE WATER DEPARTMENT STANDARDS, DETAIL TU.01, IF ENCOUNTERED DURING THE WORK OF THIS CONTRACT: 128 VINCENT STREET 129 VINCENT STREET 204 VINCENT STREET 31. SIDEWALK SHALL BE REPLACED IN FULL PANELS IN GOOD CONDITION TO NEAREST JOINT. 32. ALL ASPHALT AND CONCRETE WALKS REMOVED ON DEMOLITION PLAN SHALL BE REPLACED WITH CITY OF SYRACUSE STANDARD CONCRETE WALKS.

B. SURVEY NOTES

- 1. THE BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THIS PLAN WERE PREPARED BY BRYANT ASSOCIATES, P.C. AND DATED MARCH 2018 2. HORIZONTAL DATUM IS NAD 83 DATUM. 3. VERTICAL DATUM IS DAVID 1988 DAUM. 4. SUBSURFACE UTILITY INFORMATION WAS OBTAINED FROM FIELD SURVEY AND FROM RESPECTIVE UTILITY PURVEYORS AND THEIR LOCATIONS AS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY SOIL DISTURBANCE. VERIFY ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS PRIOR TO START OF WORK AND IMMEDIATELY NOTIFY ENGINEER OF POTENTIAL CONFLICTS WITH PROPOSED WORK. 5. THE LOCATIONS OF STREET RIGHT-OF-WAY LINES ARE APPROXIMATE AND WERE PLOTTED FOR GRAPHICAL REPRESENTATION ONLY USING TAX MAP INFORMATION AND THE CITY OF SYRACUSE RIGHT-OF-WAY PLAT MAPS. NO TITLE DOCUMENTS WERE PROVIDED OR REVIEWED AT THE TIME OF THIS SURVEY. 6. THE CONTRACTOR'S ATTENTION IS DIRECTED TO ALL APPLICABLE LAWS REGARDING LIABILITY INCURRED THROUGH THE DISTURBANCE AND DESTRUCTION OF GEODETIC SURVEY MONUMENTS. 7. CITY OF SYRACUSE MONUMENTS SHALL NOT BE DISTURBED OR DESTROYED. IF THERE IS A CONFLICT OR A SURVEY MONUMENT IS WITHIN FIVE FEET OF CONSTRUCTION THE CITY OF SYRACUSE DEPARTMENT OF ENGINEERING MUST BE CONTACTED AT (315) 448-8207 BEFORE ANY DEMOLITION OF CONSTRUCTION BEGINS.

C. DEMOLITION PLAN NOTES

- 1. UNLESS INDICATED "REMOVE AND SALVAGE" OR "REMOVE AND REUSE," ALL ITEMS INDICATED "REMOVE" SHALL BE DEMOLISHED, HAULED OFF-SITE AND DISPOSED OF IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF ALL AGENCIES OF GOVERNMENT HAVING JURISDICTION. 2. EXERCISE ALL REASONABLE CARE IN REMOVING AND HANDLING EXISTING ON-SITE MATERIALS INDICATED FOR SALVAGE TO THE OWNER OR FOR REUSE ON THE SITE. 3. FLAG OR OTHERWISE MARK IN A NON-PERMANENT MANNER ALL TREES SHOWN FOR REMOVAL ADJACENT TO OR IN CLOSE PROXIMITY TO THE LIMITS OF WORK FOR REVIEW BY THE ENGINEER PRIOR TO ANY REMOVAL. THE ENGINEER RESERVES THE RIGHT TO ADJUST THE CLEARING LIMITS. 4. IF A CONFLICT WITH EXISTING UTILITIES IS DISCOVERED, THE CONTRACTOR SHALL IMMEDIATELY MAKE THE ENGINEER AWARE OF THE CONFLICT. AFTER THE ENGINEER PROVIDES A RESOLUTION TO THE CONFLICT, IF ANY RELOCATIONS OF UTILITIES ARE REQUIRED, THE CONTRACTOR SHALL PERFORM WORK AND PROVIDE ALL MATERIALS NECESSARY TO DISCONNECT OR RELOCATE EXISTING UTILITIES IN ACCORDANCE WITH THE CITY OF SYRACUSE AND ONONDAGA COUNTY REQUIREMENTS. COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR SHUTOFF AND RECONNECTION OF ACTIVE SERVICES. THE CONTRACTOR SHALL RECORD EXISTING UTILITY TERMINATION POINTS BEFORE DISCONNECTION. 5. WHERE EXISTING PAVEMENT IS TO BE REMOVED, SAW CUT THE PAVEMENT EDGE TO PROVIDE A TRUE, NEAT AND CLEAN EDGE AGAINST WHICH TO ABUT WORK OF THIS CONTRACT PER DETAILS PS.01 AND PS.02. 6. ALL ABANDONED PIPES TO REMAIN ARE TO BE FILLED WITH CONTROLLED LOW STRENGTH CONCRETE, EXCEPT THOSE CONNECTED TO A COMBINED SEWER. THOSE LATERALS WILL BE DISCONNECTED, CAPPED, AND ABANDONED IN PLACE PER THE CITY OF SYRACUSE AND ONONDAGA COUNTY PLUMBING CONTROL REQUIREMENTS. 7. THE CONTRACTOR IS PERMITTED TO SALVAGE ALL MATERIALS AND

EQUIPMENT FROM THE DEMOLITION WORK EXCEPT FOR MATERIALS AND EQUIPMENT SHOWN OR SPECIFIED TO BE REMOVED AND DELIVERED TO AN ON-SITE LOCATION TO BE NAMED BY THE ENGINEER.

- 8. ALL SALVAGED MATERIALS AND EQUIPMENT SHALL BE TAKEN OFF-SITE IMMEDIATELY UPON REMOVAL. NO ON-SITE STORAGE IS ALLOWED EXCEPT FOR TOPSOIL. NO RE-USE OF SALVAGED MATERIALS IS ALLOWED IN THIS CONTRACT. NO SALE OF SALVAGED ITEMS IS ALLOWED ON THE PROJECT SITE.

D. EROSION & SEDIMENT CONTROL NOTES

- 1. EROSION CONTROLS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE CONTROLS. 2. PROVIDE EROSION AND SEDIMENT CONTROL MEASURES WHERE AND WHEN APPROPRIATE AS PER THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION. PROTECT EXISTING SITE FEATURES UNLESS OTHERWISE NOTED. CONSULT ENGINEER PRIOR TO STORMWATER MANAGEMENT PRACTICE INSTALLATION. 3. CONTRACTOR SHALL TAKE ALL OTHER MEASURES TO POSITIVELY PRECLUDE ERODED MATERIALS FROM LEAVING THE SITE. 4. VEGETATION SHALL BE PROTECTED OUTSIDE OF THE LIMITS OF DISTURBANCE. 5. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION CONTROLS MUST BE REMOVED AND AREAS DISTURBED DURING REMOVAL OF THE THE CONTROLS MUST BE STABILIZED IMMEDIATELY. 6. UNTIL THE SITE IS STABILIZED, ALL EROSION CONTROLS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION CONTROLS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, RE-MULCHING, AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION CONTROLS FAIL TO PERFORM AS EXPECTED, REPLACEMENT CONTROLS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED. 7. ALL EROSION AND SEDIMENT CONTROL DEVICES AND THE CONSTRUCTION FENCE SHALL BE CONSTRUCTED AND OPERATED IN ACCORDANCE WITH THEIR DESIGN, AND MAINTAINED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION THROUGHOUT THE CONSTRUCTION PROCESS. 8. CONTRACTOR SHALL VACUUM ALL FILTER INSERTS AND ALL MANHOLES, PIPES, CATCH BASINS AND STRUCTURE SUMPS BEFORE BENEFICIAL OCCUPANY/SUBSTANTIAL COMPLETION/PROJECT CLOSEOUT, AND TWICE A YEAR DURING CONSTRUCTION. 9. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM AND FUEL TANK DRAIN DOWN, DEGREASING OPERATIONS AND OTHER ACTIVITIES THAT MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS MUST BE CONDUCTED OFF-SITE. ACCIDENTAL SPILLS MUST BE CLEANED UP IMMEDIATELY AND CONTAMINANTS DISPOSED OF PROPERLY. 10. DISTURBED AREAS SHALL BE AS SMALL AS PRACTICAL, AND SHALL BE RESTORED, IMPROVED OR TEMPORARILY STABILIZED WITHIN 48 HOURS OF COMPLETION OF WORK. 11. THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES, INCLUDING WATER SPRINKLING TO PROVIDE DUST CONTROL DURING CONSTRUCTION. 12. ADJUST LOCATION OF TOPSOIL STOCKPILE AS NEEDED AND AS APPROVED BY THE OWNERS REPRESENTATIVE TO OPTIMIZE CONSTRUCTION STAGING AND TO AVOID INCREASING DISTURBANCE AREA.

E. DRAINAGE NOTES

- 1. EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED. NEW FINISH GRADE, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED. 2. ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN. 3. AGGREGATE FOR INFILTRATION AREA SHALL CLEANED-WASHED PRIOR TO PLACEMENT. 4. WHEN ENCOUNTERED WITHIN THE REQUIRED STORMWATER FACILITY EXCAVATION, CONTRACTOR SHALL WRAP EXISTING UTILITIES WITH 40 MIL GEOMEMBRANE SHEETING AND SECURE WITH PVC TAPE AT 2'-0" O.C (MAX) OVERLAP SHEETING BY 2'-0" (MIN). EXTEND SHEETING A MINIMUM OF 1/2 OF THE PIPE CIRCUMFERENCE AND ENSURE OVERLAP RUNS ALONG THE CROWN OF THE PIPE. SLEEVES AND CASTINGS SHALL BE DRY AND MOISTURE FREE BEFORE SEALING. 5. ALL GRATES AND COVERS FOR STORM SEWER STRUCTURES SHALL BE LOCKABLE EXCEPT CITY OF SYRACUSE TYPE A CATCH BASINS. 6. PROVIDE PERMANENT FILTER INSERTS (P.1. 1.19A) FOR ALL NEW AND EXISTING STORM DRAINAGE INLETS AND CATCH BASINS, AFFECTED BY OR CONNECTED TO GI IMPROVEMENTS WORK AS SPECIFIED. 7. MEET THE LINE AND GRADE OF EXISTING CONDITIONS AT THE LIMITS OF WORK. TRANSITIONS TO EXISTING CONDITIONS SHALL BE SMOOTH AND UNIFORM WITHOUT ABRUPT CHANGES IN GRADE. 8. CLEAN AND RESTORE EXISTING DRAINAGE DITCHES AND/OR PIPES TO REMAIN THAT ARE AFFECTED BY CONSTRUCTION TO FUNCTIONING CONDITION. 9. TOP DRESS WITH MINIMUM 6" OF TOP SOIL, SEED AND MULCH ALL LAWN AREAS DISTURBED BY THE CONSTRUCTION AS SOON AS THE FINISHED GRADING OPERATION IS COMPLETED. 10. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING RIM ELEVATIONS IN RELATION TO THE PROPOSED GRADES PRIOR TO INSTALLATION. 11. THE ENGINEER WILL REVIEW THE LAYOUT OF ALL UTILITIES IN THE FIELD BEFORE INSTALLATION. THE CONTRACTOR SHALL SCHEDULE 72 HOURS

ADVANCED NOTIFICATION TO THE ENGINEER TO FACILITATE TIMELY REVIEW.

- 12. ADJUST THE RIM ELEVATIONS OF EXISTING UTILITY STRUCTURES SCHEDULED TO REMAIN TO BE FLUSH WITH THE FINISHED GRADE ELEVATIONS. 13. WHEN PLACING PIPE IN THE EXCAVATION, POSITION THE BELL OF THE PIPE ON THE UPSTREAM END. 14. THE CONTRACTOR SHALL SEE THAT ALL NECESSARY PERMITS, CERTIFICATIONS, AND/OR INSPECTIONS REQUIRED BY CODES AND/OR UTILITY SERVICE PROVIDERS, SHALL BE PERFORMED/OBTAINED PRIOR TO FINAL CONNECTION OF SERVICES. 15. FOR WORK WITHIN THE RIGHT-OF-WAY, THE REQUIREMENTS OF THE HIGHWAY OWNER SHALL BE ADHERED TO FOR ITEMS ABOVE THE PIPE BEDDING, INCLUDING, BUT NOT LIMITED TO, MAINTENANCE AND PROTECTION OF TRAFFIC, BACKFILL MATERIAL, AND SURFACE RESTORATION. 16. ALL EXPOSED BOLTS, RODS, OR METALS TO BE BURIED SHALL BE COATED WITH COAL TAR TO PREVENT CORROSION. 17. THE CONTRACTOR SHALL MAINTAIN EXISTING SANITARY SEWER AND WATER SERVICES AT ALL TIMES, EXCEPT DURING APPROVED AND SCHEDULED INTERRUPTIONS. 18. ROOT REMOVAL SHALL BE REVIEWED AND APPROVED BY THE CITY OF SYRACUSE ARBORIST. 19. ROOTS SHALL BE REMOVED FROM EXISTING PIPES IN THE DESIGNATED SECTIONS WHERE ROOT INTRUSION IS A PROBLEM. ROOTS SHALL BE REMOVED WITH HIGH-VELOCITY JET CLEANERS COMBINED WITH A ROOT CUTTING BLADE OF APPROPRIATE SIZE. AFTER ROOTS HAVE BEEN CUT, POST CLEANING AND TELEVISION OF THE DESIGNATED SECTIONS IS REQUIRED. ACCEPTANCE OF ROOT REMOVAL SHALL BE MADE UPON COMPLETION OF THE TELEVISION INSPECTION AND SHALL BE TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE TELEVISION INSPECTION AT NO ADDITIONAL COST TO THE OWNER. 20. ALL STRUCTURES SHALL MEET AASHTO H20 LOADING REQUIREMENTS, UNLESS OTHERWISE NOTED. 21. ANY NEW LATERALS SHALL BE INSTALLED WITH A MINIMUM 1/4" PER FOOT SLOPE. 22. THE CONTRACTOR IS RESPONSIBLE FOR HANDLING, CUTTING AND DISPOSAL OF ALL ASBESTOS CEMENT (AC) PIPE TO BE REMOVED OR CUT IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. 23. ALL PROPOSED MANHOLE RIMS ARE TO BE ADJUSTED TO MEET FINISHED GRADE, AS REQUIRED. 24. ALL EXISTING DRAINAGE FACILITIES SHALL BE MAINTAINED FREE OF DEBRIS AND FOREIGN MATTER AND BE IN OPERATION THROUGHOUT CONSTRUCTION. 25. THE CONTRACTOR SHALL PROVIDE A CONCRETE WASHOUT AREA WITHIN THE PROJECT AREAS IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS GROUND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

119008 onondaga county sow 119 green streets.dwg Drawing 19008, working project date 05/14/2020



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NO.	DATE	REVISION	BY
1	10/04/19	50% RESUBMITTAL TO OGD/EP	
2	11/02/20	80% SUBMITTAL TO OGD/EP	
3	4/28/2020	100% SUBMITTAL TO OGD/EP	
4	5/4/2020	FINAL SUBMITTAL TO OGD/EP	
5	2/19/2022	AS BUILT	

PROJECT TITLE:	ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT LOCATION:	VINCENT STREET, SYRACUSE, NEW YORK
CLIENT:	ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE:	LEGENDS AND ABBREVIATIONS

DATE:	5/14/2020
SCALE:	
EDR Job#: 19008	
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	G-002

SYMBOL LEGEND			
CONTROL		UTILITIES	
⊙	IP	⊙	GMH
⊙	RBAR	⊙	GM
⊙	DISK	⊙	GRI
⊙	HUB	⊙	GV
⊙	NAIL	⊙	FP
⊙	PK	⊙	GFI
⊙	RR	⊙	GW
⊙	STA	⊙	SAMH
SURVEY		⊙	SAMHB
⊙	BM	⊙	CSMH
⊙	BOR	⊙	CSMHB
⊙	MW	⊙	SCO
⊙	MON	⊙	SV
⊙	IR	⊙	STMH
⊙	HOLE	⊙	STMV
SIGNS		⊙	CB
⊙	S1	⊙	CBR
⊙	S2	⊙	DI
⊙	DEL	⊙	STMH
⊙	GUIDE	⊙	STMHB
⊙	MM	⊙	STVL
⊙	STR	⊙	STV
SITE		⊙	TB
⊙	BOL	⊙	TLHH
⊙	BUOY	⊙	TLMH
⊙	BUP	⊙	TLPD
⊙	PILE	⊙	TLPB
⊙	POST	⊙	TLRI
⊙	DWELL	⊙	TCTRL
⊙	FPOL	⊙	TRHH
⊙	MB	⊙	TRMH
⊙	PM	⊙	TRP
⊙	SAT	⊙	TRPC
⊙	WELL	⊙	TRPB
⊙	WFLG	⊙	TRWK
VEGETATION		⊙	PIV
⊙	TRC	⊙	HYD
⊙	TRD	⊙	WS
⊙	SHRUB	⊙	WMP
⊙	STUMP	⊙	WMH
UTILITIES		⊙	SPIG
⊙	UMH	⊙	SPK
⊙	UMHB	⊙	WV
⊙	UP	⊙	WVB
⊙	UPWD	⊙	CLMH
⊙	LP	RAILROAD	
⊙	LP	⊙	RRLT
⊙	UHH	⊙	RRSW
⊙	CPED	⊙	SCU
⊙	EMH	⊙	CANC
⊙	EM	⊙	CLMK
⊙	ELPB	⊙	GATE
⊙	ELRI		
⊙	GCP		

LINE LEGEND	
---	BOTTOM OF BANK
---	TOP OF BANK
---	EDGE OF WOODS
---	CHAIN LINK FENCE
---	WOOD FENCE
---	OTHER FENCE
---	GUIDE RAIL
---	EDGE OF PAVEMENT
---	EDGE OF SHOULDER
---	CULVERT
---	UNDERGROUND CABLE
---	OVERHEAD CABLE
---	UNDERGROUND FIBER OPTICS
---	UNDERGROUND TELEPHONE
---	OVERHEAD TELEPHONE
---	UNDERGROUND ELECTRIC
---	OVERHEAD ELECTRIC
---	TRAFFIC LOOP WIRE
---	UNDERGROUND TRAFFIC
---	OVERHEAD TRAFFIC
---	OVERHEAD WIRE
---	COMBINED SEWER LINE
---	SANITARY SEWER LINE
---	STORM SEWER LINE
---	UNDERGROUND GAS
---	STEAM
---	STEAM RETURN
---	CHLORINE LINE
---	WATER LINE
---	ABANDONED UTILITY
---	UNKNOWN UTILITY
---	PROPERTY LINE
---	RIGHT OF WAY

ABBREVIATIONS

ADA AMERICANS WITH DISABILITIES ACT
ASC ANTI-SEEPAGE COLLAR
AVG AVERAGE
BC BOTTOM OF CURB
CB CATCH BASIN
CONC CONCRETE
DA DRAINAGE AREA
DIA DIAMETER
DWG DRAWING
ELEV ELEVATION
EX EXISTING
FT FOOT, FEET
FH FIRE HYDRANT
G NATURAL GAS
HDPE HIGH-DENSITY POLYETHYLENE
INF INFILTRATION TRENCH
INV INVERT
LF LINEAR FEET
DMH DRAINAGE MANHOLE
SMH SANITARY MANHOLE
MIN MINIMUM
NYS DOT NEW YORK STATE DEPARTMENT OF TRANSPORTATION
OHE OVERHEAD ELECTRIC
PERF PERFORATED
PSI POUND PER SQUARE INCH
PVC POLYVINYL CHLORIDE
ROW RIGHT OF WAY
SAN SANITARY
ST STORM
TC TOP OF CURB
TYP TYPICAL
W POTABLE WATER
WQV WATER QUALITY VOLUME

PAY ITEMS:

NOTE - VARIOUS STAND ALONE PAY ITEMS APPLY TO THIS PROJECT AND HAVE NOT BEEN SPECIFICALLY IDENTIFIED IN DRAWING SET. THESE PAY ITEMS INCLUDE:

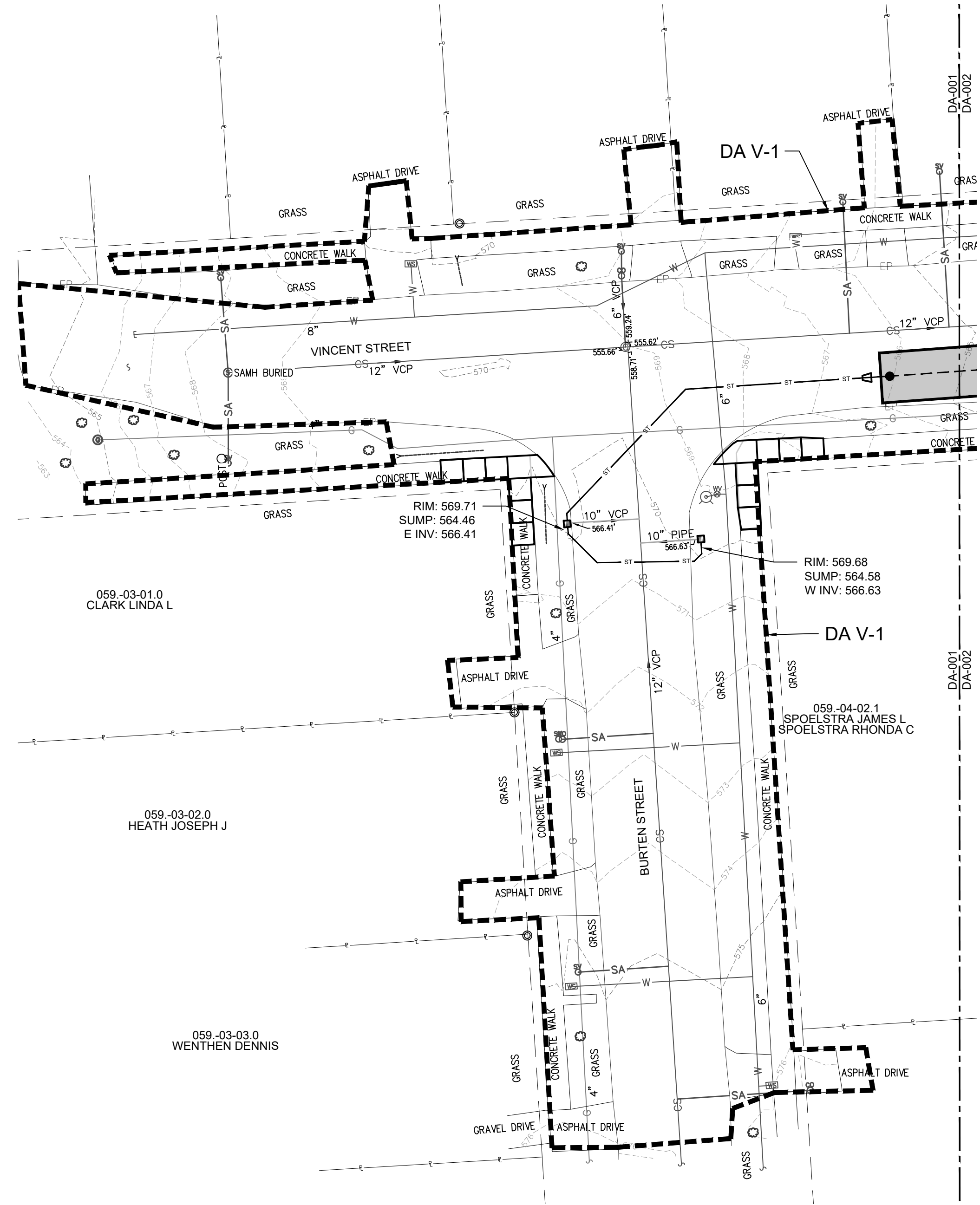
- 1.1 SITE CLEARING AND DISPOSAL
- 1.5B COMMON GRADING AND BACKFILL
- 1.5C SCARIFY SUBGRADE
- 1.8 ESTABLISHING TURF
- 1.12 MODULAR TREE CELL SOIL
- 1.14 TOPSOIL
- 1.15 MULCH
- 1.23I SOLID HDPE 45° FITTING UP TO 12" DIAMETER
- 1.23K SOLID HDPE 90° ELBOW FITTING UP TO 12" DIAMETER
- 1.33 IMPERMEABLE LINER
- 1.35B CURVED GRANITE CURB
- 1.36A STRAIGHT FLUSH GRANITE CURB
- 1.36B CURVED FLUSH GRANITE CURB
- 1.36C GRANITE TRANSITION CURB
- 1.42A EMBEDDED DETECTABLE WARNING UNITS - NEW
- 1.42B EMBEDDED DETECTABLE WARNING UNITS - RETROFIT
- 1.61A SOLID PAINTED PAVEMENT MARKINGS - 6" REQUIRED
- 2.1 PERFORMANCE AND PAYMENT BOND PREMIUM(S) AS REQUIRED
- 3.1 CITY OF SYRACUSE PERMITS, AS REQUIRED
- 3.2 MAINTENANCE AND PROTECTION OF TRAFFIC
- 3.3 RECORD DRAWING SURVEY BY NEW YORK STATE LICENSED SURVEYOR

DETAIL KEY	
DETAIL NAME	CATEGORY AND NO.
TYPICAL SECTION ASPHALT STREET PAVEMENT W/ ACC FOUNDATION	PS.01
TYPICAL SECTION PIPE TRENCHING/ROAD RESTORATION	PS.05
CONCRETE SIDEWALK OR DRIVEWAY - RESTORATION	PS.11
ADA CURB RAMP	PS.13
TYPICAL SECTION GRANITE CURB (NEW OR RESET) W/ PERF UNDERDRAIN (WHERE INDICATED)	PS.14
CONCRETE ENCASEMENT OR REINFORCEMENT OF PIPE	PS.21
CITY STANDARD CATCH BASIN TYPE A W/ FRAME & GRATE	DR.04
48" ROUND PRECAST CONCRETE MANHOLE W/FRAME AND LID OR GRATE	DR.07
CAST IRON TRAP	DR.08
"HALF PIPE" WEIR - SDR 35	DR.09
PIPE BEDDING NOT IN INFILTRATION TRENCH	DR.13
6" PVC CLEANOUT W/ CONCRETE COLLAR & LOCKABLE COVER	DR.14
ANTI-SEEP COLLAR	DR.16
PIPE CONNECTION TO EXISTING STRUCTURE/MANHOLE	DR.17
PIPE CONNECTION TO EXISTING SEWER MAIN	DR.18
WATERSTOP BETWEEN INFILTRATION BED AND ADJACENT SUBSURFACE FEATURE - VERTICAL	DR.22
GEOMEMBRANE-WRAPPED EXITING UTILITY	DR.23
INFILTRATION TRENCH UNDER PAVEMENT (ASPHALT, SIDEWALK OR PAVEMENT)	IS.01
EARTHEN BERM BETWEEN VARIED ELEVATION INFILTRATION BEDS	IS.05
NEW 1" WATER SERVICE (CURB BOX TO MAIN)	TU.01
SIGN POST FOUNDATION	TU.04
TREE PROTECTION FENCE	TU.11
TYPICAL DRIVEWAY ENTRANCES	TU.14
SILT FENCE	TU.16
COMPOST FILTER SOCK	TU.17
SHRUB PLANTING	LP.01
PERENNIAL AND GROUND COVER PLANTING	LP.02
TYPICAL B&B TREE PLANTING	LP.05
TREE STAKING	LP.06
TYPICAL TREE PLANTING IN PEDESTRIAN WAY	LP.07

AS BUILT DRAWING

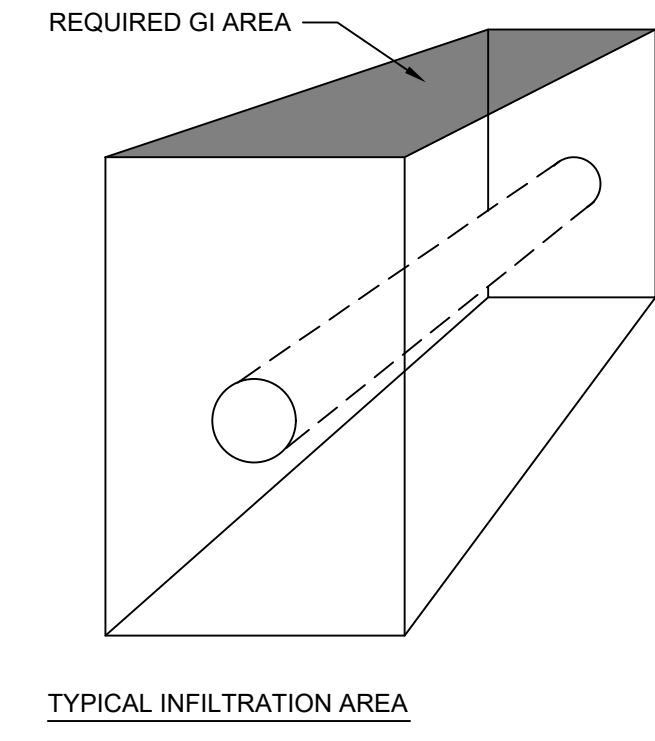
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

DATE: 2/19/2022 PER: Michael E. Tamblin



LEGEND	
ITEM	SYMBOL
INFILTRATION TRENCH	
DRAINAGE AREA	
NEW CATCH BASIN	

INFILTRATION DRAINAGE AREAS			
PRACTICE	REQUIRED GI AREA (SQFT)	DRAINAGE AREA (SQFT)	LOADING RATIO
INF V-1	2,040	27,005	13



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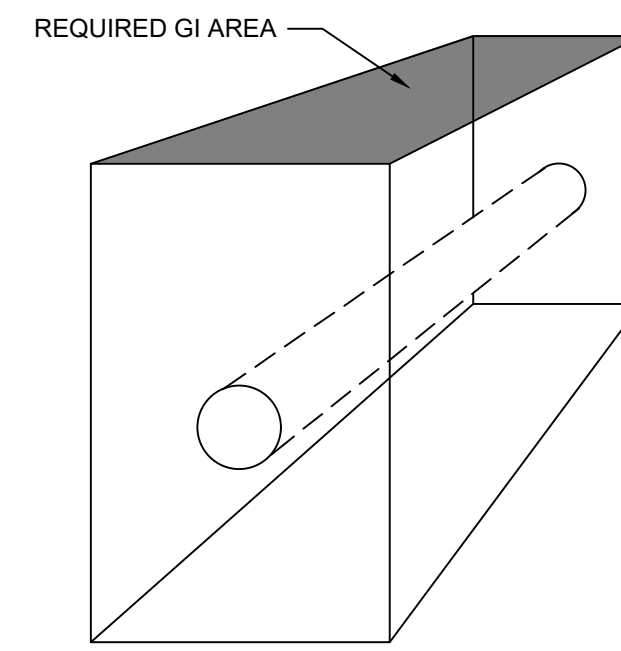
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NO.	DATE	REVISION
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2	11/20/20	50% SUBMITTAL TO OCC/DEP
3	4/29/2020	100% SUBMITTAL TO OCC/DEP
4	5/14/2020	FINAL SUBMITTAL TO OCC/DEP
5	2/19/2022	AS BUILT

PROJECT TITLE:	ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT LOCATION:	VINCENT STREET, SYRACUSE, NY
CLIENT:	ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE:	DRAINAGE AREA MAP

AS BUILT DRAWING
 THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.
 DATE: 2/19/2022 PER: Michael E. Tamblyn

 GRAPHIC SCALE (IN FEET)

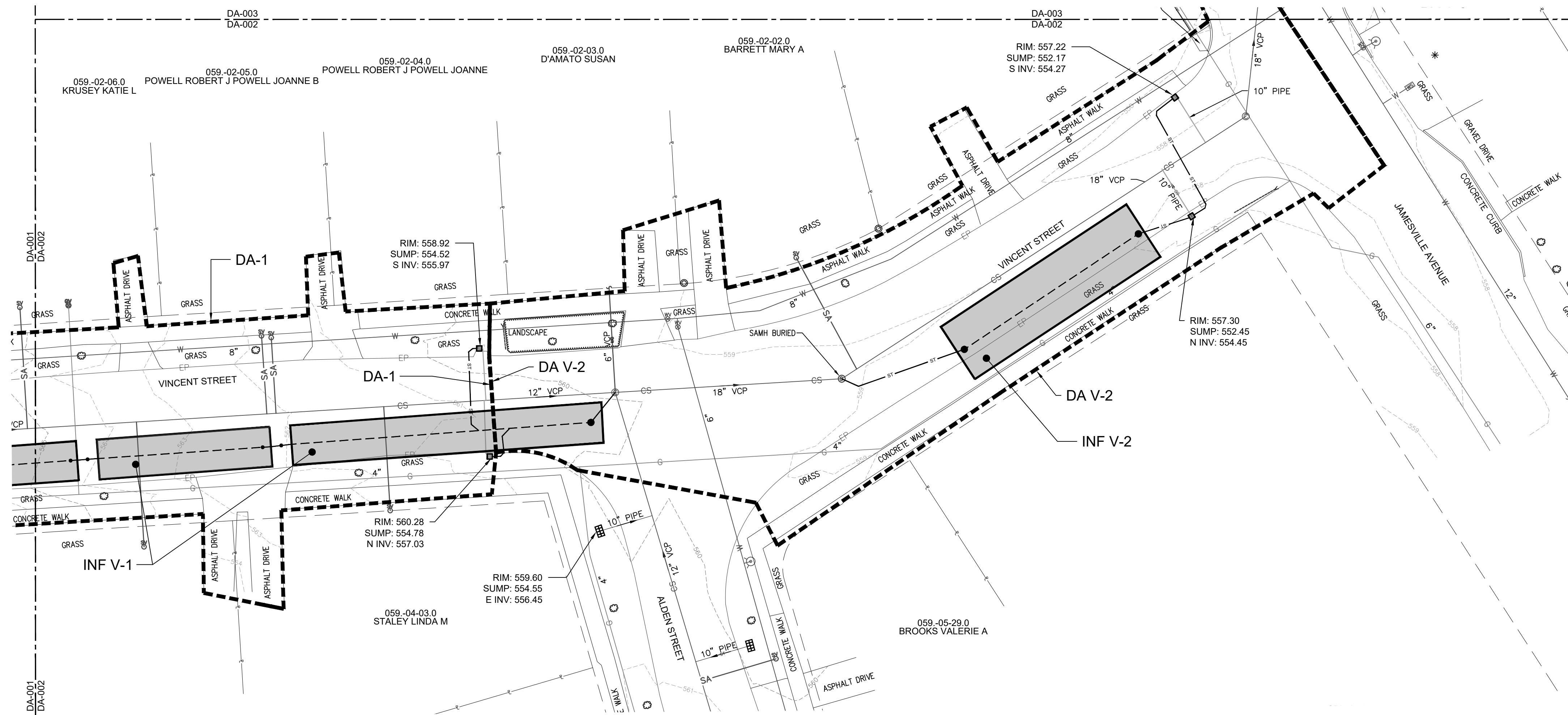
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SCALE:	1"=20'
EDR JOB#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	DA-001



TYPICAL INFILTRATION AREA

LEGEND	
ITEM	SYMBOL
INFILTRATION TRENCH	
DRAINAGE AREA	
NEW CATCH BASIN	

INFILTRATION DRAINAGE AREAS			
PRACTICE	REQUIRED GI AREA (SQFT)	DRAINAGE AREA (SQFT)	LOADING RATIO
INF V-1	2,040	27,005	13
INF V-2	1,188	16,671	14



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PROJECT LOCATION:	VINCENT STREET, SYRACUSE, NY
CLIENT:	ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE:	DRAINAGE AREA MAP

AS BUILT DRAWING

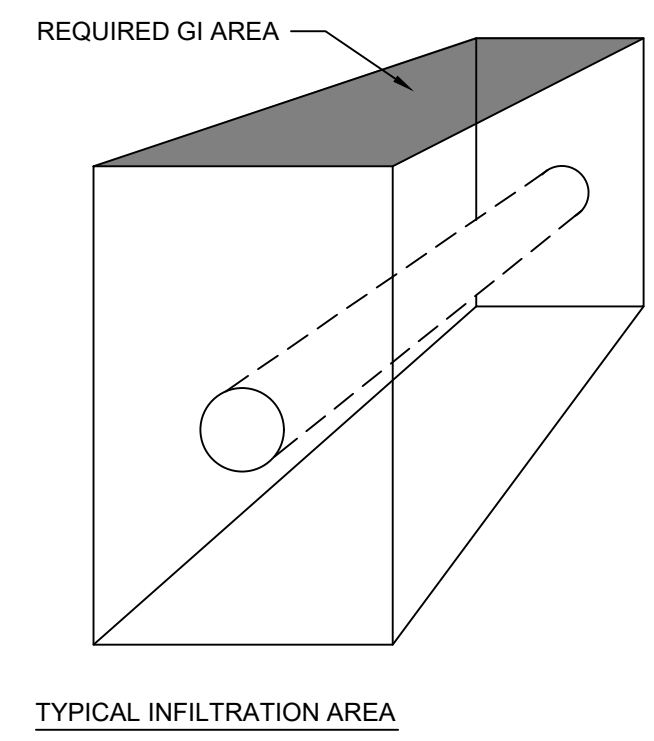
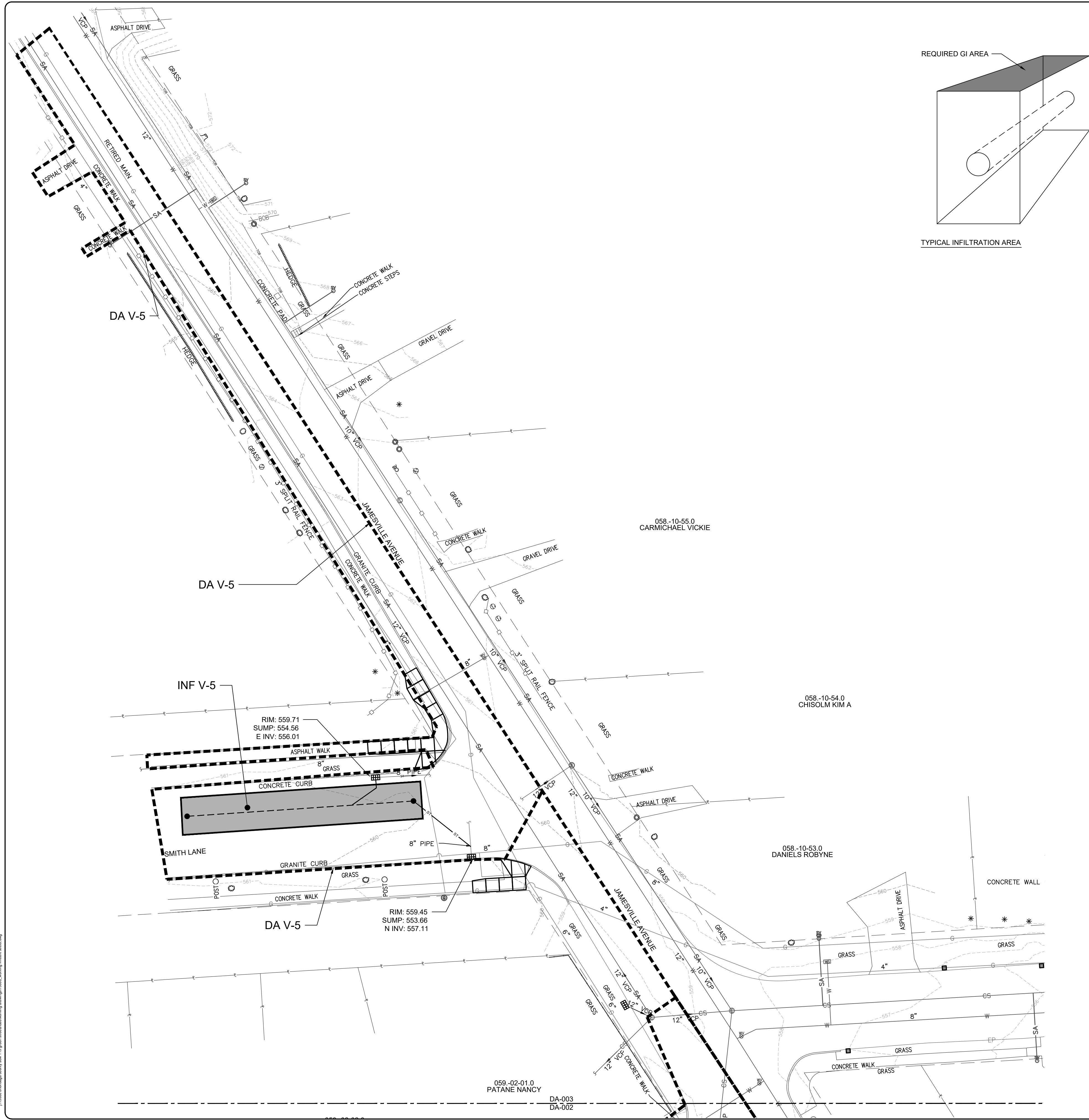
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DATE: 2/19/2022 PER: Michael E. Tamblyn

GRAPHIC SCALE (IN FEET)

DATE:	5/14/2020
SCALE:	1"=20'
EDR JOB#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	DA-002

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LEGEND	
ITEM	SYMBOL
INFILTRATION TRENCH	
DRAINAGE AREA	
NEW CATCH BASIN	

INFILTRATION DRAINAGE AREAS			
PRACTICE	REQUIRED GI AREA (SQFT)	DRAINAGE AREA (SQFT)	LOADING RATIO
INF V-5	1,260	11,425	9



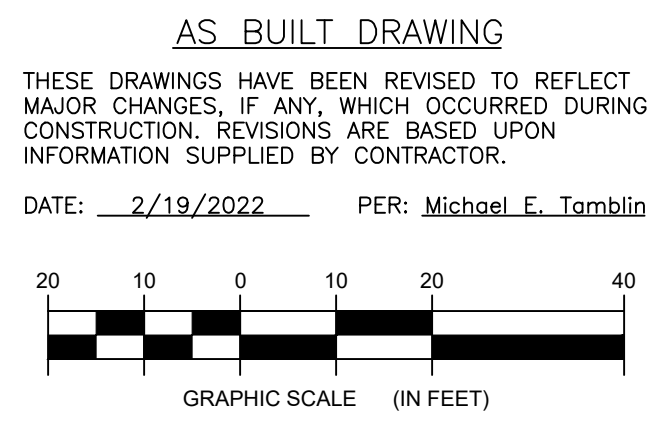
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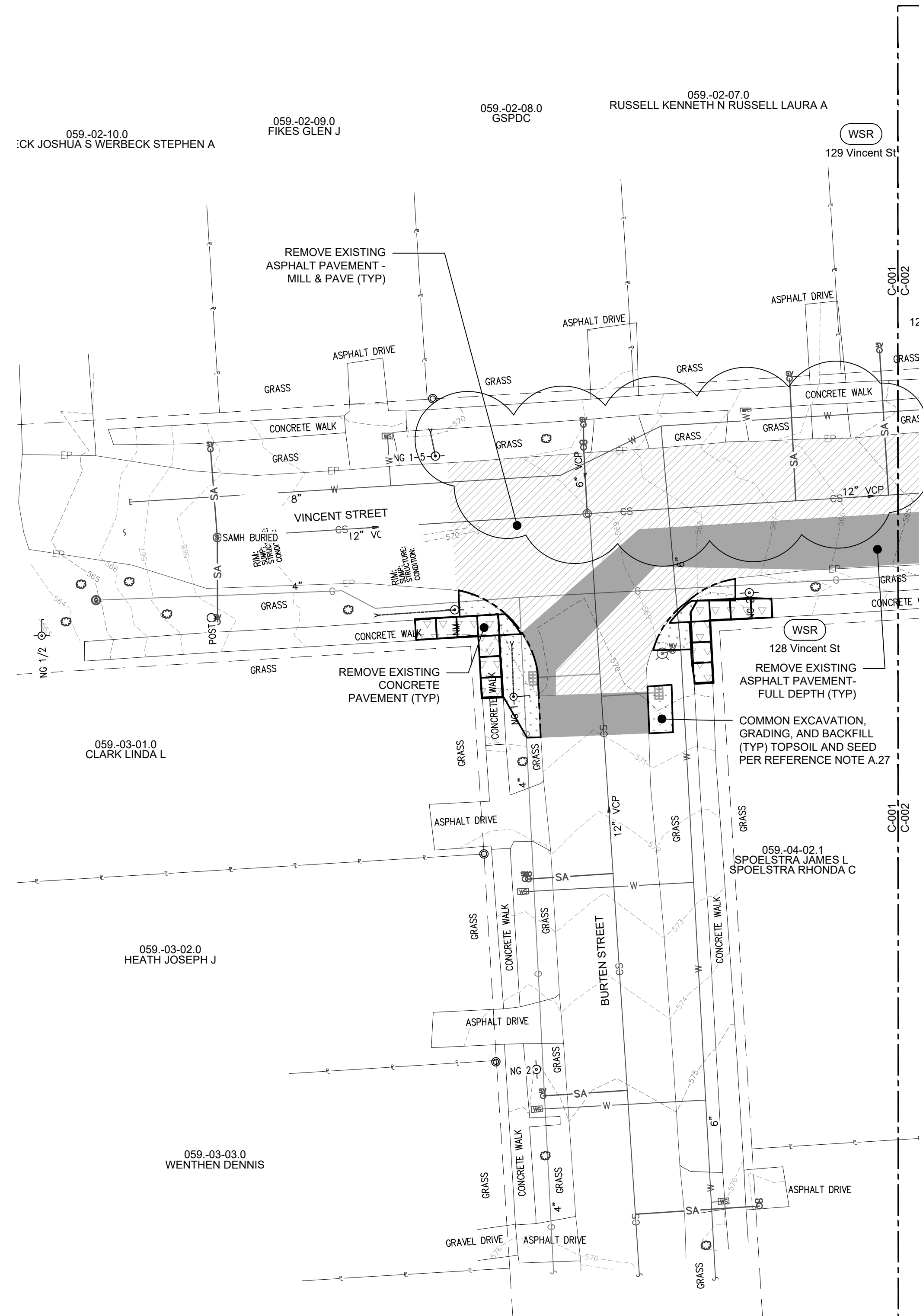
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NO.	DATE
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3	4/29/2020
4	5/14/2020
5	2/19/2022

PROJECT TITLE:	ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT LOCATION:	VINCENT STREET, SYRACUSE, NY
CLIENT:	ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE:	DRAINAGE AREA MAP

DATE:	5/14/2020
SCALE:	1"=20'
EDR JOB#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	DA-003



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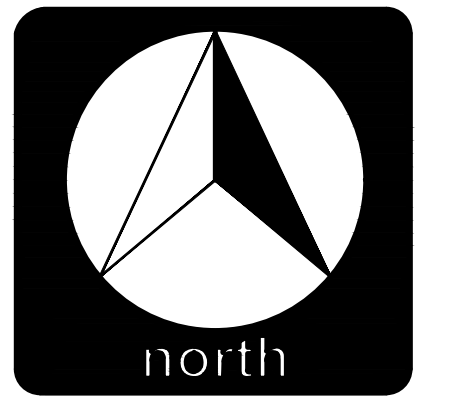


DEMOLITION LEGEND		
ITEM	SYMBOL	PAY ITEM
REMOVE EXISTING ASPHALT PAVEMENT - MILL 2" & PAVE 2" WITH REQUIRED SAWCUTS		1.4
REMOVE EXISTING CONCRETE PAVEMENT TO NEXT PANEL IN GOOD CONDITION AT JOINT		1.3
REMOVE EXISTING ASPHALT PAVEMENT - FULL DEPTH WITH REQUIRED SAWCUTS		1.3
REMOVE EXISTING CURB		
COMMON EXCAVATION & GRADING - TOPSOIL AND SEED PER REFERENCE NOTE A.27		1.5B
WATER SERVICE REPLACEMENT		1.52B
PROTECT EXISTING VEGETATION		1.58
REMOVE EXISTING TREE		

NOTE: CONTRACTOR SHALL MILL 0'-2" OF EXISTING PAVEMENT AS SHOWN FOR MILLING AND OR REMOVAL PRIOR TO ANY PIPE TRENCH EXCAVATION BEING PERFORMED.



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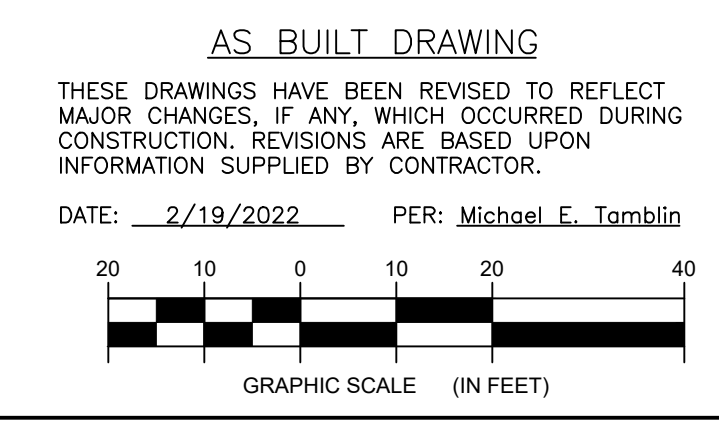
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DRAWING REVISIONS	
NO.	DATE
1	10/19/19
2	11/02/20
3	4/28/2020
4	5/4/2020
5	2/19/2022

BY	REVISION
	50% RESUBMITTAL TO OGDMEP
	50% SUBMITTAL TO OGDMEP
	100% SUBMITTAL TO OGDMEP
	FINAL SUBMITTAL TO OGDMEP
	AS BUILT

PROJECT TITLE:	ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT LOCATION:	VINCENT STREET, SYRACUSE, NY
CLIENT:	ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE:	EXISTING CONDITIONS AND DEMOLITION PLAN

DATE:	5/14/2020
SCALE:	1"=20'
EDR Job#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	C-001





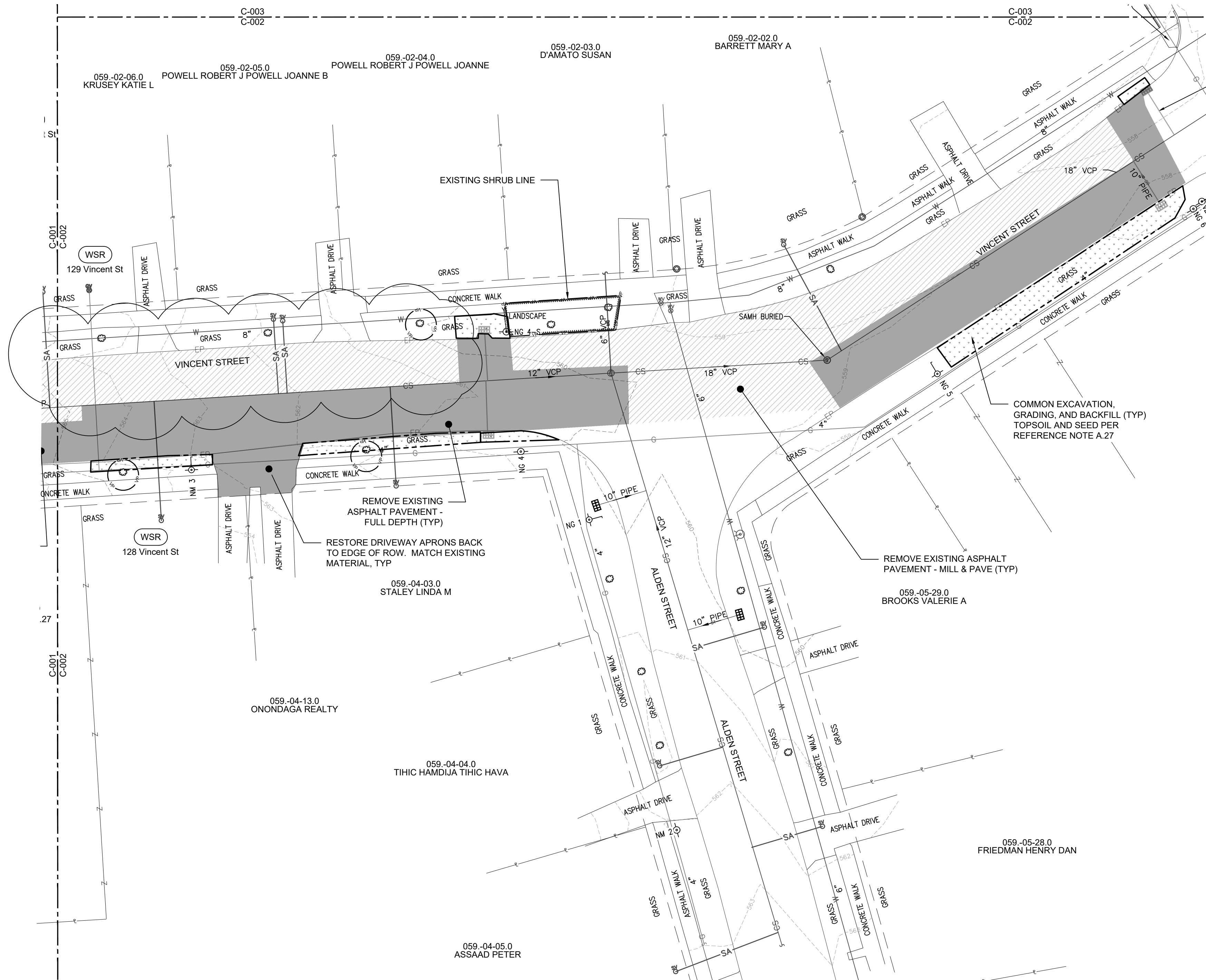
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DEMOLITION LEGEND		
ITEM	SYMBOL	PAY ITEM
REMOVE EXISTING ASPHALT PAVEMENT - MILL 2" & PAVE 2" WITH REQUIRED SAWCUTS		1.4
REMOVE EXISTING CONCRETE PAVEMENT TO NEXT PANEL IN GOOD CONDITION AT JOINT		1.3
REMOVE EXISTING ASPHALT PAVEMENT - FULL DEPTH WITH REQUIRED SAWCUTS		1.3
REMOVE EXISTING CURB		
COMMON EXCAVATION & GRADING - TOPSOIL AND SEED PER REFERENCE NOTE A.27		1.5B
WATER SERVICE REPLACEMENT		1.52B
PROTECT EXISTING VEGETATION		1.58
REMOVE EXISTING TREE		

NOTE: CONTRACTOR SHALL MILL 0'-2" OF EXISTING PAVEMENT AS SHOWN FOR MILLING AND OR REMOVAL PRIOR TO ANY PIPE TRENCH EXCAVATION BEING PERFORMED.



DRAWING REVISIONS	
NO.	DATE
1	10/4/19
2	11/10/20
3	4/28/2020
4	5/4/2022
5	2/19/2022

PROJECT TITLE:	ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT LOCATION:	VINCENT STREET, SYRACUSE, NY
CLIENT:	ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE:	EXISTING CONDITIONS AND DEMOLITION PLAN

DATE:	5/14/2020
SCALE:	1"=20'
EDR JOB#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	C-002

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DATE: 2/19/2022 PER: Michael E. Tamblin

GRAPHIC SCALE (IN FEET)

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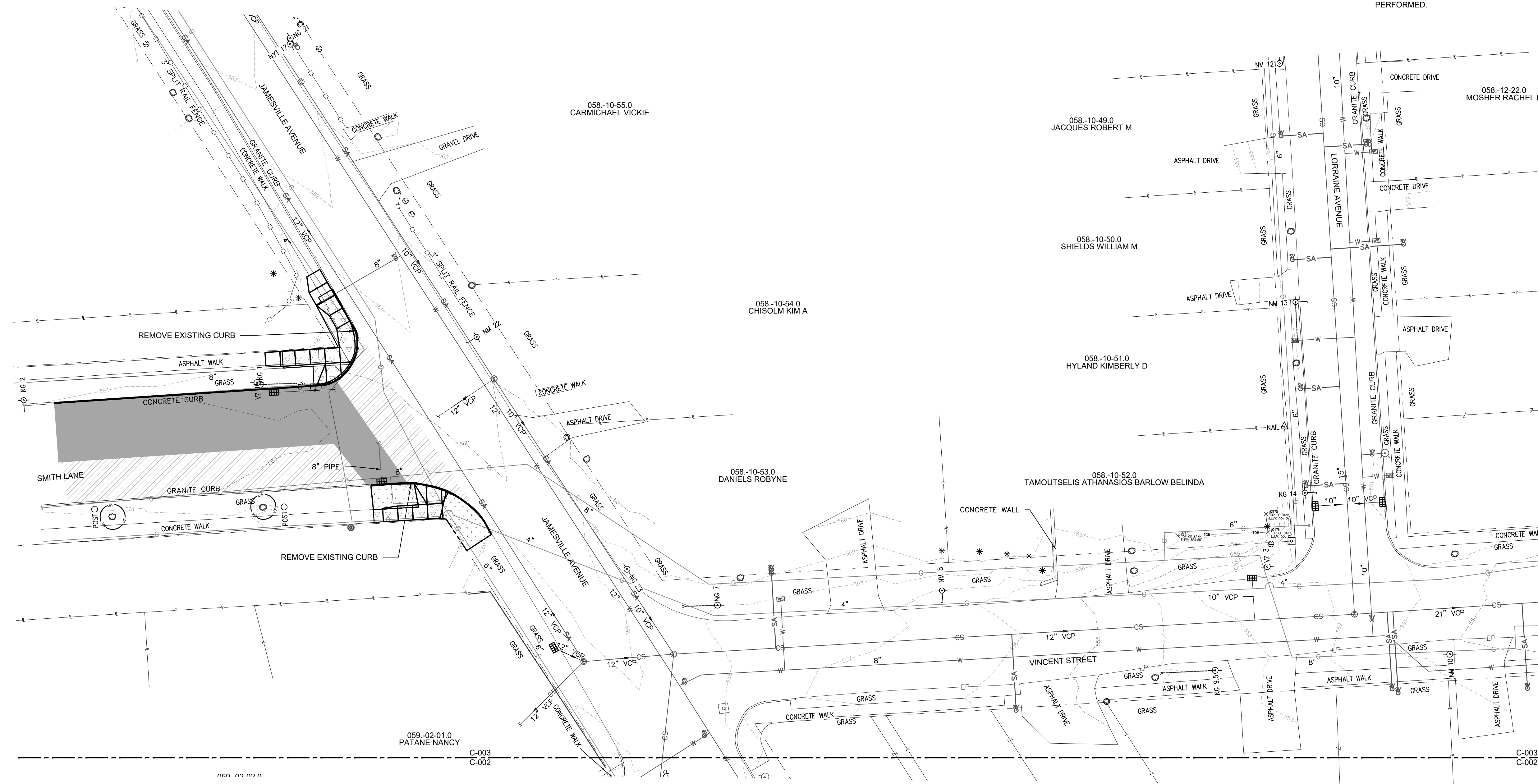
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DEMOLITION LEGEND		
ITEM	SYMBOL	PAY ITEM
REMOVE EXISTING ASPHALT PAVEMENT - MILL 2" & PAVE 2" WITH REQUIRED SAWCUTS		1.4
REMOVE EXISTING CONCRETE PAVEMENT TO NEXT PANEL IN GOOD CONDITION AT JOINT		1.3
REMOVE EXISTING ASPHALT PAVEMENT - FULL DEPTH WITH REQUIRED SAWCUTS		1.3
REMOVE EXISTING CURB		
COMMON EXCAVATION & GRADING - TOPSOIL AND SEED PER REFERENCE NOTE A.27		1.5B
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NOTE: CONTRACTOR SHALL MILL 0'-2" OF EXISTING PAVEMENT AS SHOWN FOR MILLING AND OR REMOVAL PRIOR TO ANY PIPE TRENCH EXCAVATION BEING PERFORMED.



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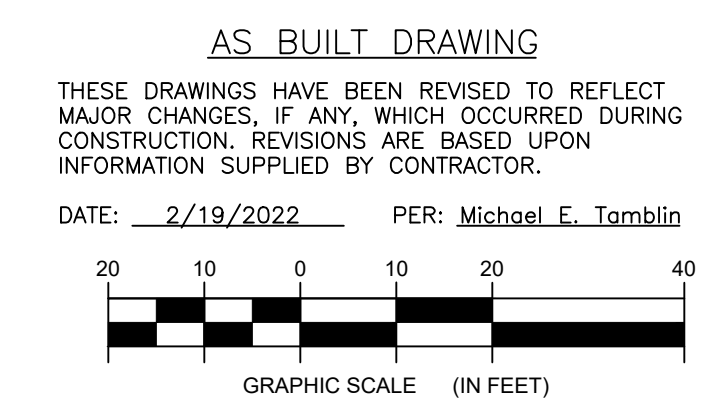
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BY: [Signature]

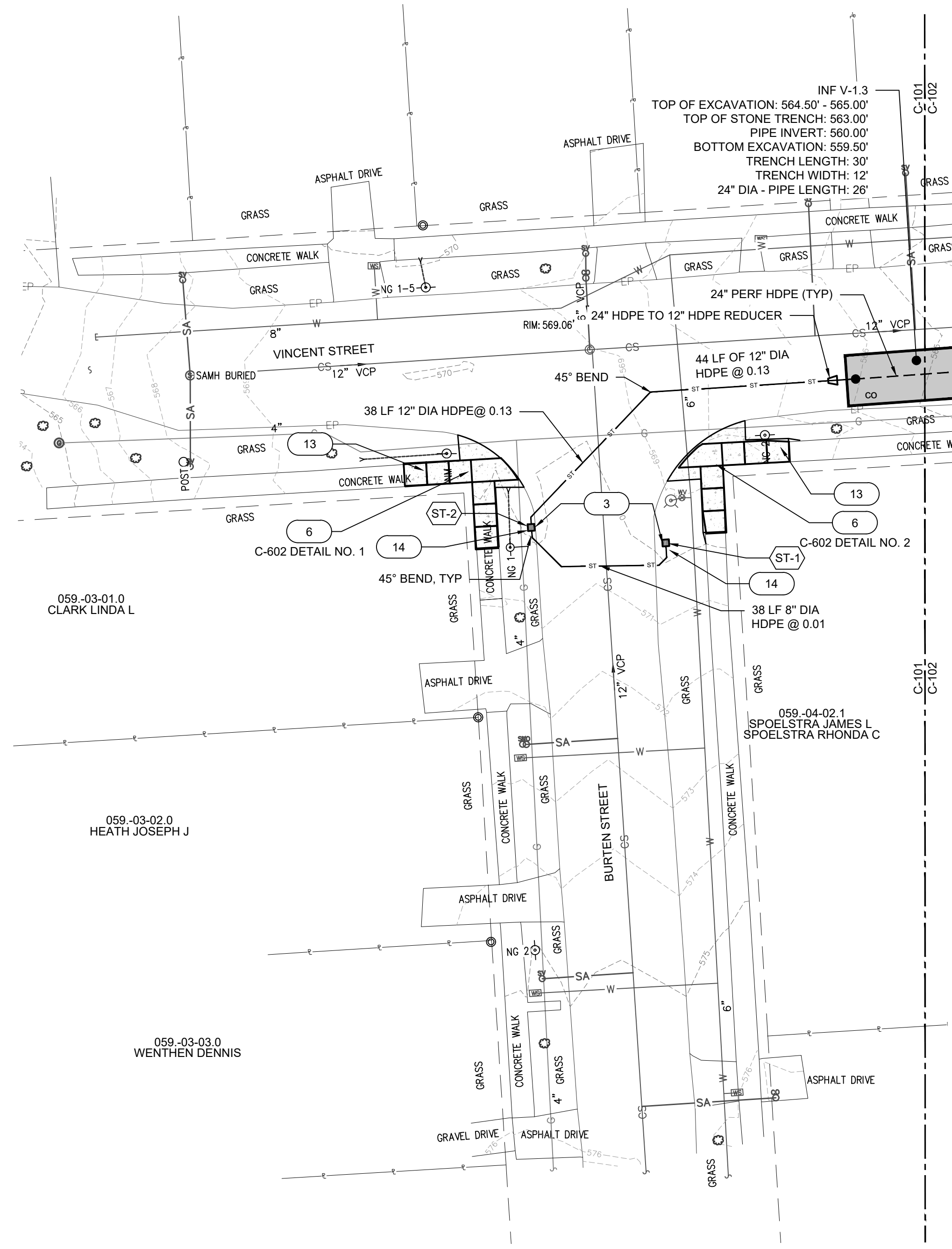
NO.	DATE	REVISION
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4	5/14/2022	FINAL SUBMITTAL TO OGDMEP
5	2/19/2022	AS BUILT

PROJECT TITLE:	ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT LOCATION:	VINCENT STREET, SYRACUSE, NY
CLIENT:	ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE:	EXISTING CONDITIONS AND DEMOLITION PLAN

DATE:	5/14/2020
SCALE:	1"=20'
EDR JOB#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	C-003



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REFERENCE NOTES

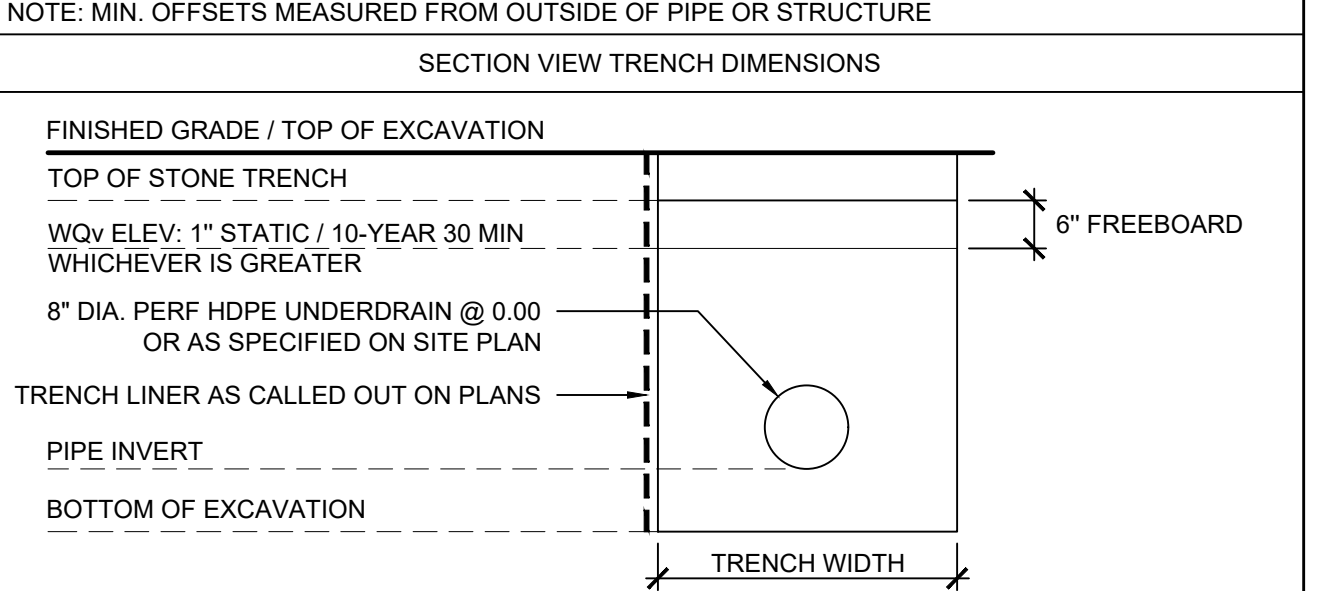
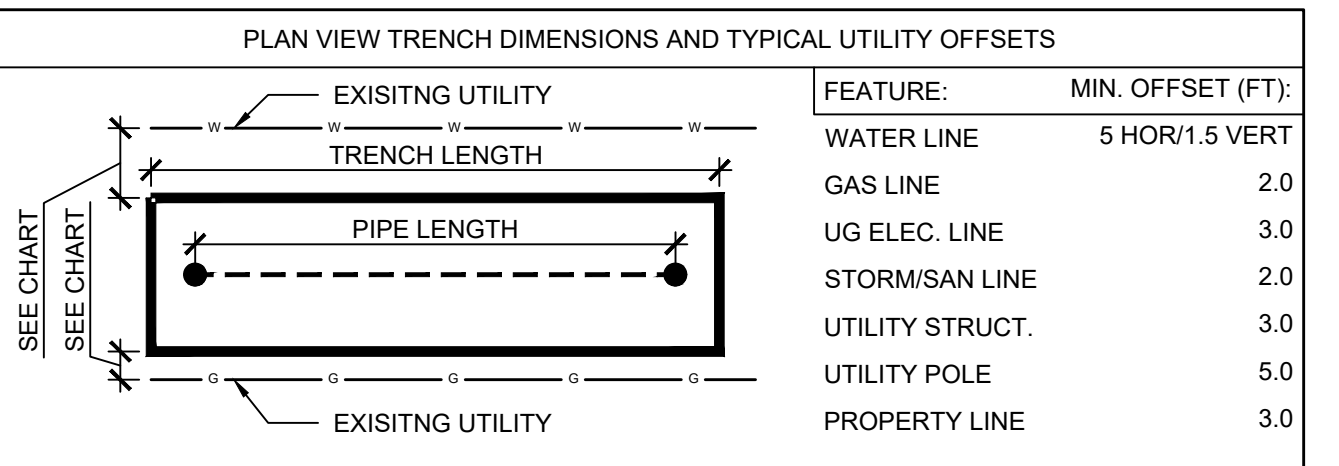
- 1 MAINTAIN 18" SEPARATION BETWEEN TOP OF WATERLINE AND BOTTOM OF INFILTRATION PRACTICE OR STORM LINE. IF 18" VERTICAL SEPARATION CANNOT BE ACHIEVED, ENCASE THE NEW PIPE IN CONCRETE PER DETAIL PS-21
- 2 COORDINATE WITH NATIONAL GRID ON GAS LINE CROSSINGS.
- 3 DISCONNECT CATCH BASIN FROM SEWER. SEE DETAILS ON SHEET C-601. FIELD VERIFY PIPE SLOPES AND INVERTS OF CONNECTING STRUCTURES PRIOR TO ALL WORK.
- 4 VERIFY PIPE SLOPE AND INVERT OF CONNECTING STRUCTURE IN FIELD.
- 5 DIRECT CONNECTION TO EXISTING SEWER PER DETAIL DR.17. FIELD VERIFY PIPE SLOPES AND INVERTS OF CONNECTING STRUCTURES PRIOR TO ALL WORK.
- 6 REPAIR ADA CURB RAMP - DETAIL PS.13. TYPE: 10'-0" WIDE
- 7 INSTALL IN-LINE BACKFLOW PREVENTER. TIDEFLEX CHECKMATE IN-LINE CHECK VALVE MATCHING OUTLET PIPE SIZE AND FLOW DIRECTION.
- 8 MAINTAIN 2'-0" MIN SEPARATION BETWEEN INFILTRATION TRENCH AND GAS LINE/COMBINED SEWER
- 9 INFILTRATION TRENCH SHALL BE CONSTRUCTED AT A MINIMUM DISTANCE OF 5'-0" FROM UTILITY POLE
- 10 NATIONAL GRID RELOCATING GAS OUT OF THE ROAD
- 11 EARTHEN BERM BETWEEN INFILTRATION TRENCHES. DETAIL IS.05
- 12 MATCH WIDTH OF EXISTING SIDEWALK (5' MINIMUM)
- 13 ALL ASPHALT AND CONCRETE WALKS REMOVED ON DEMOLITION PLAN SHALL BE REPLACED WITH CITY OF SYRACUSE STANDARD CONCRETE WALKS
- 14 GRADE/PAVE TO ENSURE POSITIVE DRAINAGE TO CATCH BASINS ON UNIMPROVED STREETS
- 15 INF V-1.1, INF V-1.2, AND INF V-1.3 ARE SIZED TO PROVIDE APPROXIMATELY 1 INCH OF STATIC-STORAGE VOLUME TO AVOID USING MULTIPLE UNDERDRAIN PIPES IN A SINGLE TRENCH.

SITE PLAN LEGEND

ITEM	SYMBOL	PAY ITEM	DETAIL
INFILTRATION TRENCH			IS.01
CONCRETE SIDEWALK		1.40A	PS.11
IMPERMEABLE LINER TRENCH SIDES ONLY		1.33	
STORM CATCH BASIN		1.16A	DR.04
STORM MANHOLE		1.16D	DR.06
UNDERDRAIN		1.23B	
STORM LINE		SEE BELOW	
CLEANOUT		1.27A	DR.14
ANTI-SEEP COLLAR (ASC)		1.25	DR.16
CURB		1.35A & 1.35B	PS.14

STORM LINE PAY ITEMS		CAST IRON TRAP (DETAIL DR08)	
PIPE DIAMETER	PAY ITEM	PIPE DIAMETER	PAY ITEM
8"	1.23B	8"	1.20A
10"	1.23C	10"	1.20B
12"	1.23D	12"	1.20C
15"	1.23E	15"	1.20D
18"	1.23F		
24"	1.23G		

- NOTES:**
1. GAS SERVICES SHALL BE WRAPPED PER DETAIL DR-23
 2. ALL DISTURBED SIGNAGE SHALL BE RESET PER DETAIL TU.04
 3. CONTRACTORS TO COORDINATE CONSTRUCTION WITH NATIONAL GRID

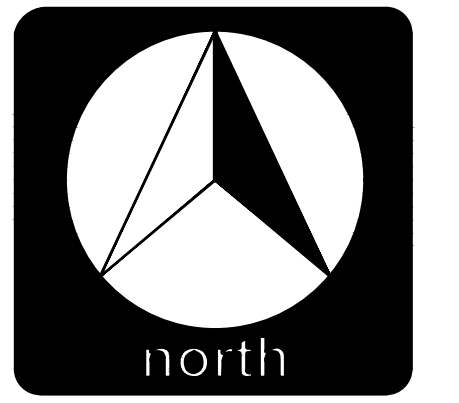


STRUCTURE ID	RIM	INVERTS	DESCRIPTION	DETAIL NO.	PAY ITEM NO.
ST-1	569.87	NEW S INV: 566.96 NEW SUMP: 565.00	NEW CATCH BASIN WITH NEW SUMP	DR.04	1.16A 1.19A
ST-2	569.85	NEW S INV: 566.58 NEW N INV: 564.92 NEW SUMP: 563.03	NEW CATCH BASIN WITH NEW SUMP	DR.04	1.16A 1.19A

FILTER INSERTS (PI 1.19A) ARE REQUIRED ON ALL NEW AND EXISTING GRATED STRUCTURES TRIBUTARY TO THE INFILTRATION TRENCHES ALL WEIRS TO HAVE 1" ORIFICE AT THE SAME INVERT ELEVATION AS OUTLET PIPES TO THE COMBINED SEWER



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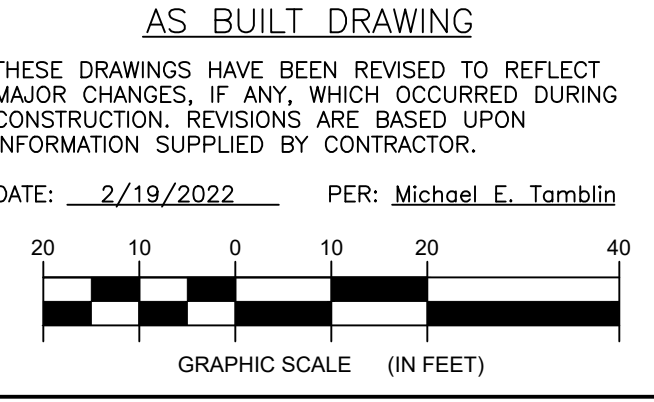


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NO.	DATE	REVISION	BY
1	10/01/19	50% RESUBMITTAL TO CDM/EP	
2	11/02/20	90% SUBMITTAL TO CDM/EP	
3	4/28/2020	100% SUBMITTAL TO CDM/EP	
4	5/4/2022	FINAL SUBMITTAL TO CDM/EP	
5	2/19/2022	AS BUILT	

ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT TITLE:
PROJECT LOCATION: VINCENT STREET, SYRACUSE, NY
CLIENT: ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE: **SITE PLAN**

DATE:	5/14/2020
SCALE:	1"=20'
EDR JOB#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	C-101



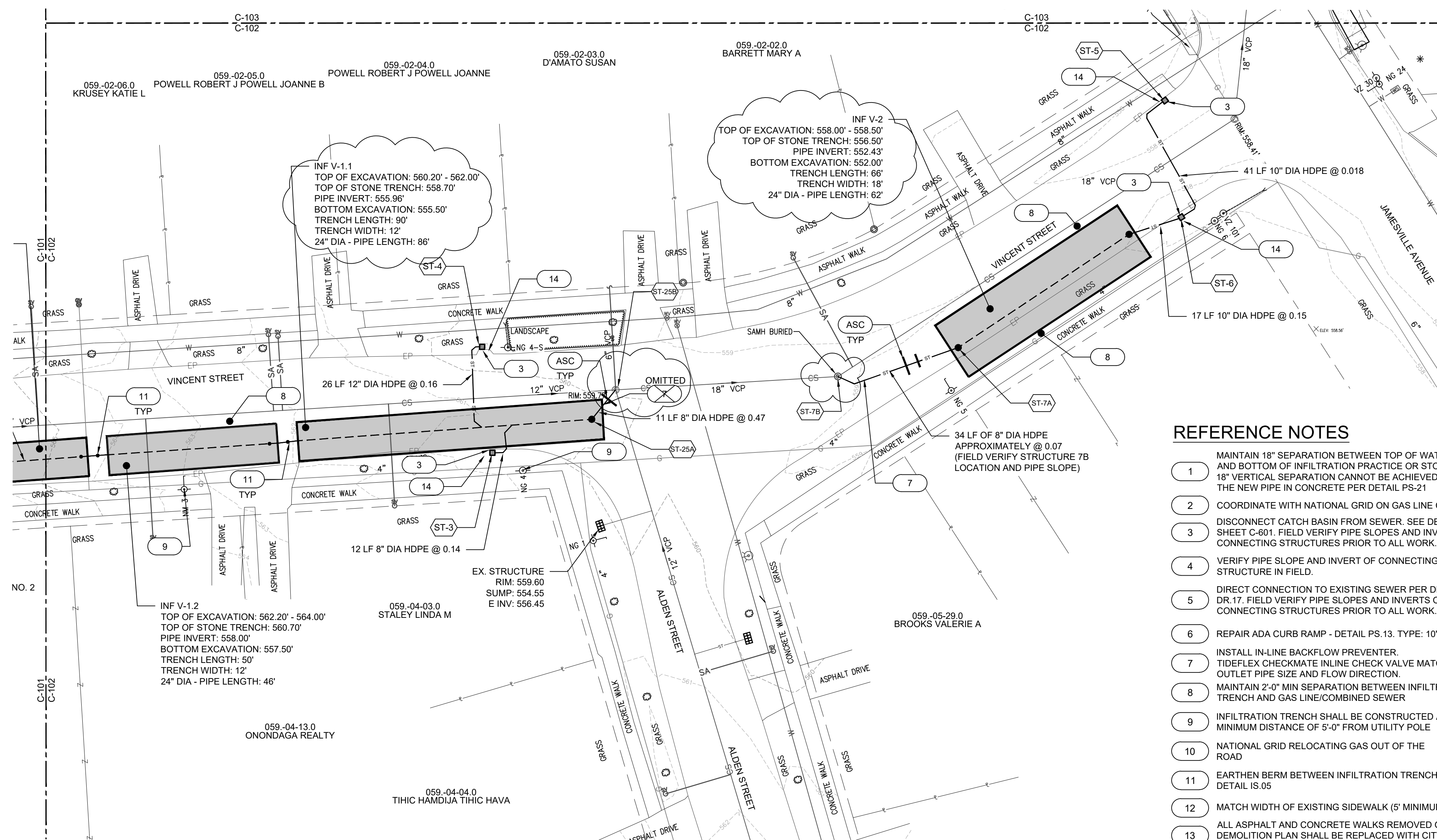
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DRAWING REVISIONS		NO.	DATE	REVISION
BY	DATE	NO.	DATE	REVISION
		1	04/19/2020	50% SUBMITTAL TO OGD/NEP
		2	11/02/20	90% SUBMITTAL TO OGD/NEP
		3	04/28/2022	100% SUBMITTAL TO OGD/NEP
		4	04/28/2022	FINAL SUBMITTAL TO OGD/NEP
		5	2/19/2022	AS BUILT

ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT TITLE: ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT LOCATION: VINCENT STREET, SYRACUSE, NY
CLIENT: ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE: SITE PLAN

DATE: 5/14/2020
SCALE: 1"=20'
EDR JOB#: 19008
DRAWN BY: BL
FILE NAME: VINCENT STREET
DRAWING NUMBER: C-102



REFERENCE NOTES

- 1 MAINTAIN 18" SEPARATION BETWEEN TOP OF WATERLINE AND BOTTOM OF INFILTRATION PRACTICE OR STORM LINE. IF 18" VERTICAL SEPARATION CANNOT BE ACHIEVED, ENCASE THE NEW PIPE IN CONCRETE PER DETAIL PS-21
- 2 COORDINATE WITH NATIONAL GRID ON GAS LINE CROSSINGS.
- 3 DISCONNECT CATCH BASIN FROM SEWER. SEE DETAILS ON SHEET C-601. FIELD VERIFY PIPE SLOPES AND INVERTS OF CONNECTING STRUCTURES PRIOR TO ALL WORK.
- 4 VERIFY PIPE SLOPE AND INVERT OF CONNECTING STRUCTURE IN FIELD.
- 5 DIRECT CONNECTION TO EXISTING SEWER PER DETAIL DR.17. FIELD VERIFY PIPE SLOPES AND INVERTS OF CONNECTING STRUCTURES PRIOR TO ALL WORK.
- 6 REPAIR ADA CURB RAMP - DETAIL PS.13. TYPE: 10'-0" WIDE
- 7 INSTALL IN-LINE BACKFLOW PREVENTER. TIDEFLEX CHECKMATE IN-LINE CHECK VALVE MATCHING OUTLET PIPE SIZE AND FLOW DIRECTION.
- 8 MAINTAIN 2'-0" MIN SEPARATION BETWEEN INFILTRATION TRENCH AND GAS LINE/COMBINED SEWER
- 9 INFILTRATION TRENCH SHALL BE CONSTRUCTED AT A MINIMUM DISTANCE OF 5'-0" FROM UTILITY POLE
- 10 NATIONAL GRID RELOCATING GAS OUT OF THE ROAD
- 11 EARTHEN BERM BETWEEN INFILTRATION TRENCHES. DETAIL IS.05
- 12 MATCH WIDTH OF EXISTING SIDEWALK (5' MINIMUM)
- 13 ALL ASPHALT AND CONCRETE WALKS REMOVED ON DEMOLITION PLAN SHALL BE REPLACED WITH CITY OF SYRACUSE STANDARD CONCRETE WALKS
- 14 GRADE/PAVE TO ENSURE POSITIVE DRAINAGE TO CATCH BASINS ON UNIMPROVED STREETS
- 15 INF V-1.1, INF V-1.2, AND INF V-1.3 ARE SIZED TO PROVIDE APPROXIMATELY 1 INCH OF STATIC STORAGE VOLUME TO AVOID USING MULTIPLE UNDERDRAIN PIPES IN A SINGLE TRENCH.

SITE PLAN LEGEND

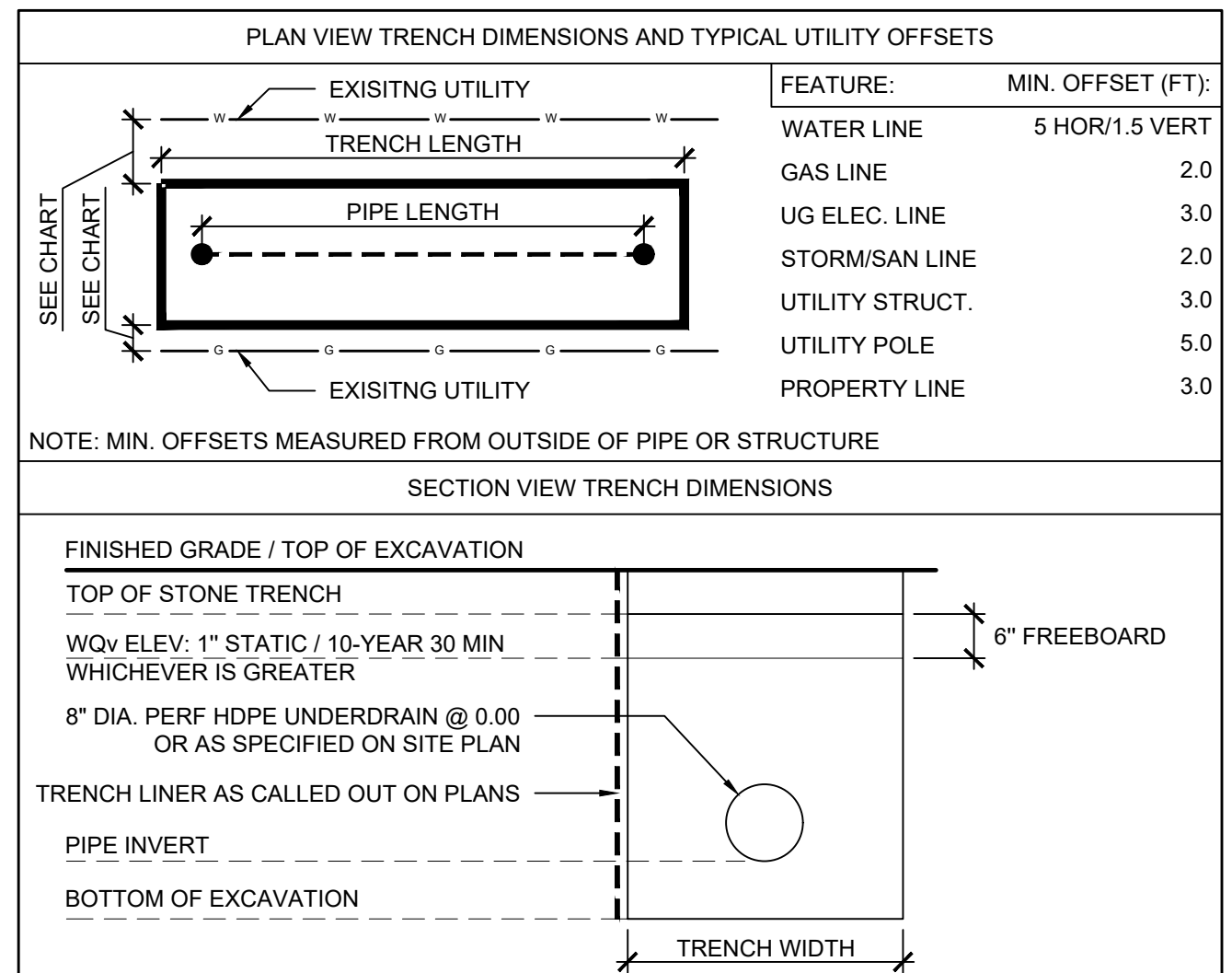
ITEM	SYMBOL	PAY ITEM	DETAIL
INFILTRATION TRENCH	[Symbol]		IS.01
CONCRETE SIDEWALK	[Symbol]	1.40A	PS.11
IMPERMEABLE LINER TRENCH SIDES ONLY	[Symbol]	1.33	
STORM CATCH BASIN	[Symbol]	1.16A	DR.04
STORM MANHOLE	[Symbol]	1.16D	DR.06
UNDERDRAIN	[Symbol]	1.23B	
STORM LINE	[Symbol]	SEE BELOW	
CLEANOUT	[Symbol]	1.27A	DR.14
ANTI-SEEP COLLAR (ASC)	[Symbol]	1.25	DR.16
CURB	[Symbol]	1.35A & 1.35B	PS.14

STORM LINE PAY ITEMS		CAST IRON TRAP (DETAIL DR08)	
PIPE DIAMETER	PAY ITEM	PIPE DIAMETER	PAY ITEM
8"	1.23B	8"	1.20A
10"	1.23C	10"	1.20B
12"	1.23D	12"	1.20C
15"	1.23E	15"	1.20D
18"	1.23F		
24"	1.23G		

NOTES:
 1. GAS SERVICES SHALL BE WRAPPED PER DETAIL DR-23
 2. ALL DISTURBED SIGNAGE SHALL BE RESET PER DETAIL TU.04
 3. CONTRACTORS TO COORDINATE CONSTRUCTION WITH NATIONAL GRID

STRUCTURE ID	RIM	INVERTS	DESCRIPTION	DETAIL NO.	PAY ITEM NO.
ST-3	560.42	NEW E INV: 557.52 NEW SUMP: 555.50	NEW CATCH BASIN WITH NEW SUMP	DR.04	1.16A 1.19A
ST-4	559.59	NEW W INV: 556.66 NEW SUMP: 554.70	NEW CATCH BASIN WITH NEW SUMP	DR.04	1.16A 1.19A
ST-5	557.29	NEW W INV: 554.66 NEW SUMP: 552.68	NEW CATCH BASIN WITH NEW SUMP	DR.04	1.16A 1.19A
ST-6	557.67	NEW W INV: 553.81 NEW E INV: 554.37 NEW SUMP: 551.72	NEW CATCH BASIN WITH NEW SUMP	DR.04	1.16A 1.19A
ST-7A	558.78	NEW E INV: 552.43 NEW W INV: 552.41 NEW WEIR: 555.91 NEW SUMP: 550.44	NEW MANHOLE WITH NEW WEIR AND NEW HOOD AND NEW SUMP	DR.07 DR.09	1.20A 1.18A 1.16D
ST-7B	559.28	EX E INV: 549.05 EX W INV: 549.70 NEW S INV: 549.97 SUMP: 548.59	RETROFIT EXISTING MANHOLE RAISE EXISTING FRAME AND COVER TO MEET GRADE	DR.17	1.28A
ST-25A	560.10	NEW W INV: 555.96 NEW NE INV: 555.91 NEW WEIR: 558.16 NEW SUMP: 553.97	NEW MANHOLE WITH NEW WEIR AND NEW HOOD AND NEW SUMP	DR.07 DR.08 DR.09	1.16D 1.18A 1.20A
ST-25B	559.77	EX N INV: 549.74 EX E INV: 548.83 EX S INV: 548.94 EX W INV: 549.12 NEW SW INV: 550.68 SUMP: 549.03	RETROFIT EXISTING MANHOLE	DR.17	1.19A 1.28A

FILTER INSERTS (PK-1.19A) ARE REQUIRED ON ALL NEW AND EXISTING GRATED STRUCTURES TRIBUTARY TO THE INFILTRATION TRENCHES ALL WEIRS TO HAVE 1" ORIFICE AT THE SAME INVERT ELEVATION AS OUTLET PIPES TO THE COMBINED SEWER



AS BUILT DRAWING

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

DATE: 2/19/2022 PER: Michael E. Tamblin

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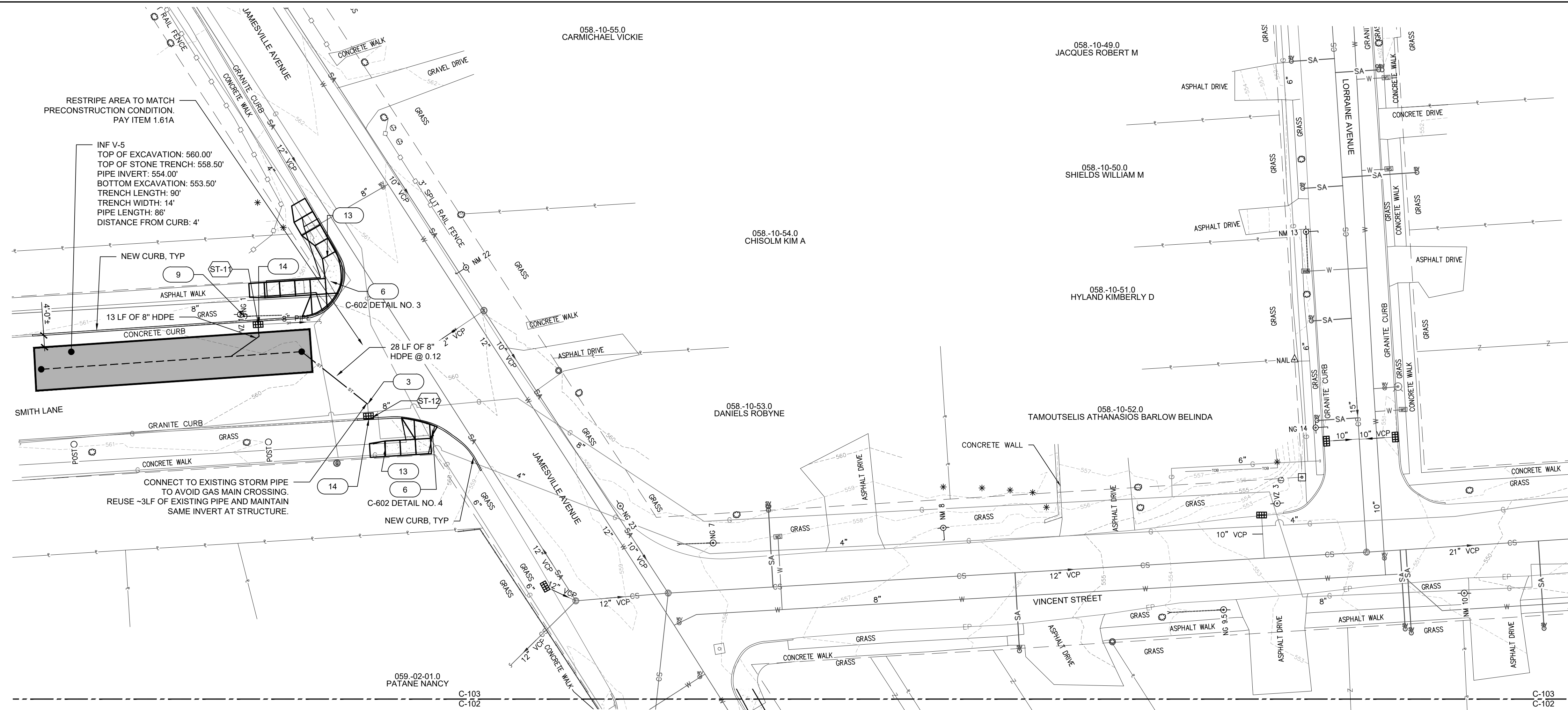
Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.

217 Montgomery Street, Suite 1000
Syracuse, New York 13202
P. 315.471.0688



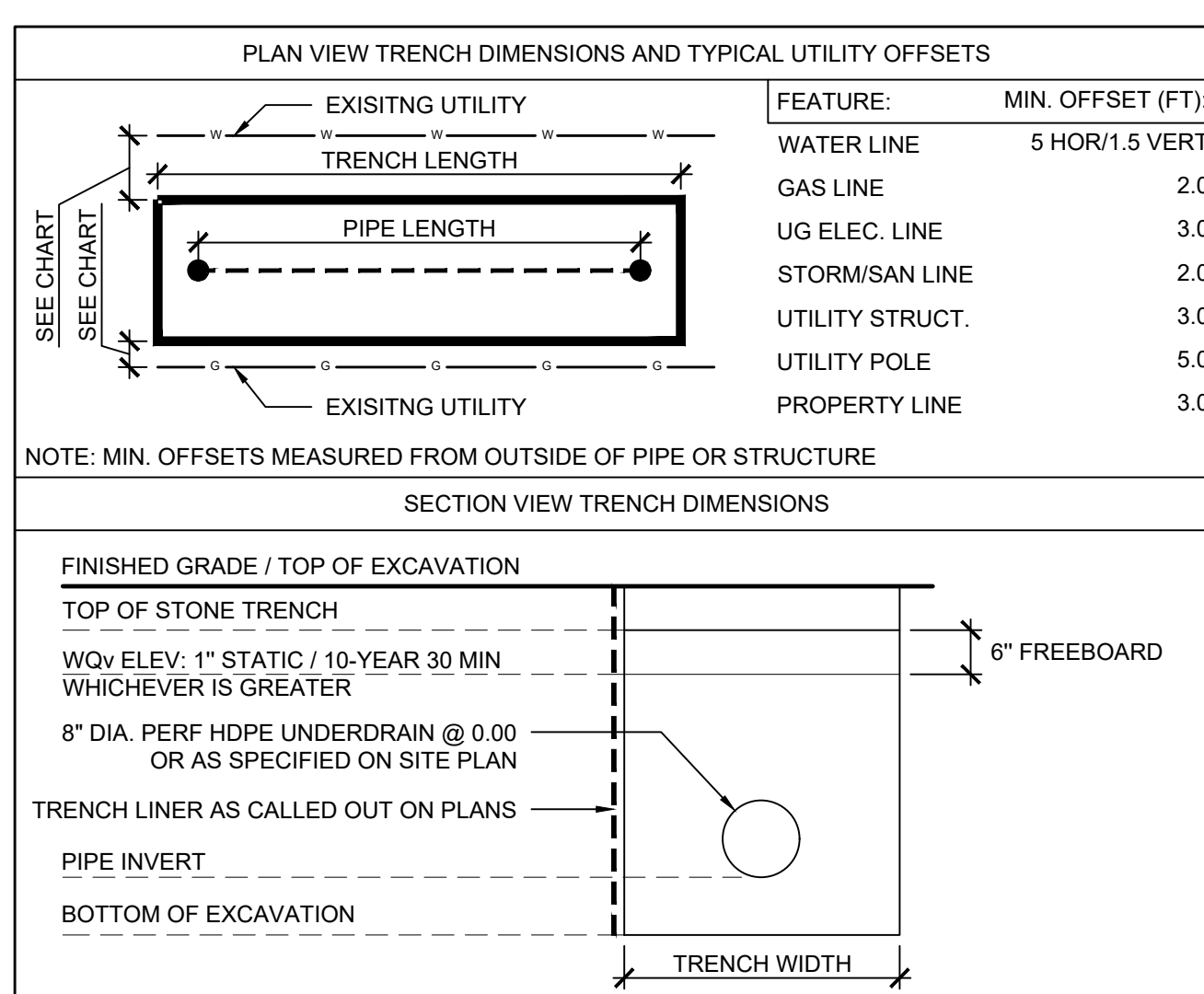
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NO.	DATE	REVISION	BY
1	10/01/19	50% RESUBMITTAL TO OGDWEP	
2	11/02/20	90% SUBMITTAL TO OGDWEP	
3	4/28/2022	100% SUBMITTAL TO OGDWEP	
4	5/14/2022	FINAL SUBMITTAL TO OGDWEP	
5	2/19/2022	AS BUILT	



STRUCTURE ID	RIM	INVERTS	DESCRIPTION	DETAIL NO.	PAY ITEM NO.
ST-8A			OMITTED		
ST-8B			OMITTED		
ST-9A			OMITTED		
ST-9B			OMITTED		
ST-10			OMITTED		
ST-11	559.72	EX E INV: 556.01 NEW S INV: 556.75 NEW WEIR: 558.49 EX SUMP: 554.29	RETROFIT EXISTING CATCH BASIN WITH NEW WEIR REATTACH HOOD	DR.17	1.28A 1.19A
ST-12	559.45	EX N INV: 557.11 NEW N INV: 555.76 EX SUMP: 553.57	RETROFIT EXISTING CATCH BASIN	DR.17 DR.09	1.28A 1.18A 1.19A
ST-13			OMITTED		
ST-14A			OMITTED		
ST-14B			OMITTED		
ST-15			OMITTED		
ST-15B			OMITTED		

FILTER INSERTS (P1 1.19A) ARE REQUIRED ON ALL NEW AND EXISTING GRATED STRUCTURES TRIBUTARY TO THE INFILTRATION TRENCHES ALL WEIRS TO HAVE 1" ORIFICE AT THE SAME INVERT ELEVATION AS OUTLET PIPES TO THE COMBINED SEWER



- ### REFERENCE NOTES
- 1 MAINTAIN 18" SEPARATION BETWEEN TOP OF WATERLINE AND BOTTOM OF INFILTRATION PRACTICE OR STORM LINE. IF 18" VERTICAL SEPARATION CANNOT BE ACHIEVED, ENCASE THE NEW PIPE IN CONCRETE PER DETAIL PS-21
 - 2 COORDINATE WITH NATIONAL GRID ON GAS LINE CROSSINGS.
 - 3 DISCONNECT CATCH BASIN FROM SEWER. SEE DETAILS ON SHEET C-601. FIELD VERIFY PIPE SLOPES AND INVERTS OF CONNECTING STRUCTURES PRIOR TO ALL WORK.
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 - 13 ALL ASPHALT AND CONCRETE WALKS REMOVED ON DEMOLITION PLAN SHALL BE REPLACED WITH CITY OF SYRACUSE STANDARD CONCRETE WALKS
 - 14 GRADE/PAVE TO ENSURE POSITIVE DRAINAGE TO CATCH BASINS ON UNIMPROVED STREETS

SITE PLAN LEGEND

ITEM	SYMBOL	PAY ITEM	DETAIL
INFILTRATION TRENCH			IS.01
CONCRETE SIDEWALK		1.40A	PS.11
IMPERMEABLE LINER TRENCH SIDES ONLY		1.33	
STORM CATCH BASIN		1.16A	DR.04
STORM MANHOLE		1.16D	DR.06
UNDERDRAIN		1.23B	
STORM LINE		SEE BELOW	
CLEANOUT		1.27A	DR.14
ANTI-SEEP COLLAR (ASC)		1.25	DR.16
CURB		1.35A & 1.35B	PS.14

STORM LINE PAY ITEMS		CAST IRON TRAP (DETAIL DR08)	
PIPE DIAMETER	PAY ITEM	PIPE DIAMETER	PAY ITEM
8"	1.23B	8"	1.20A
10"	1.23C	10"	1.20B
12"	1.23D	12"	1.20C
15"	1.23E	15"	1.20D
18"	1.23F		
24"	1.23G		

NOTES:

1. GAS SERVICES SHALL BE WRAPPED PER DETAIL DR-23
2. ALL DISTURBED SIGNAGE SHALL BE RESET PER DETAIL TU.04
3. CONTRACTORS TO COORDINATE CONSTRUCTION WITH NATIONAL GRID

AS BUILT DRAWING

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

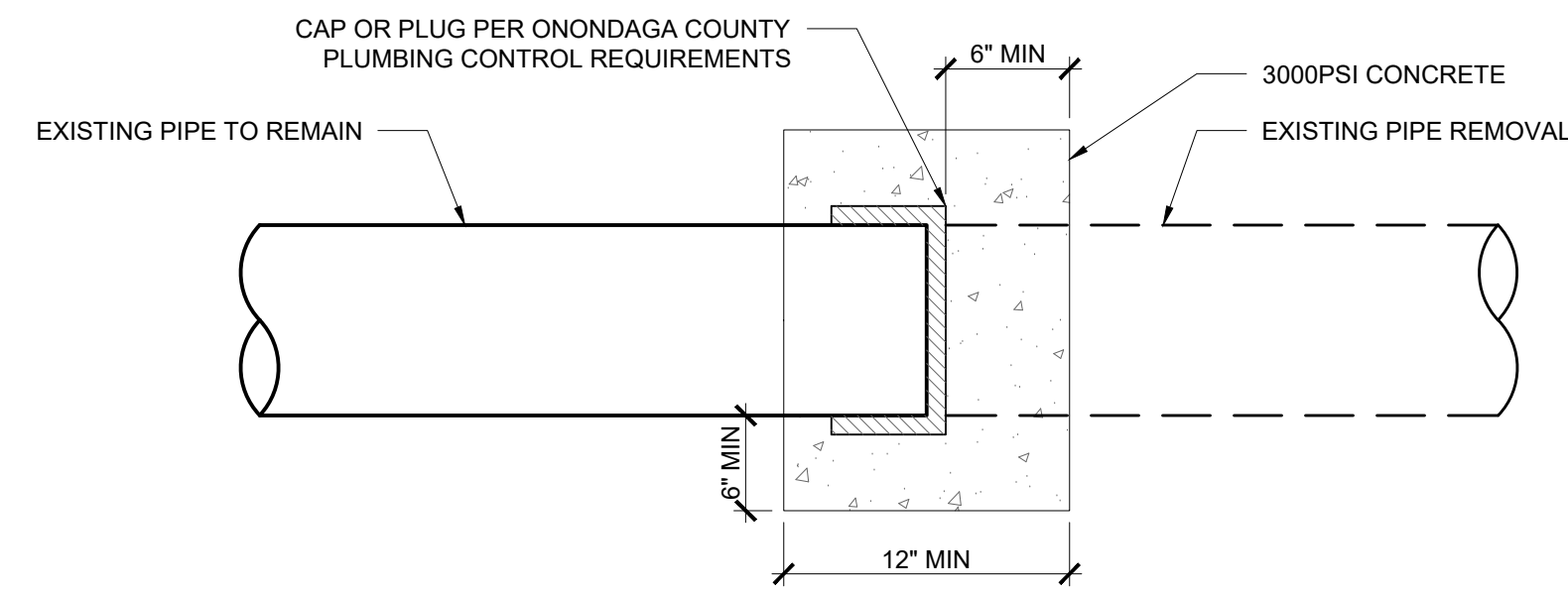
DATE: 2/19/2022 PER: Michael E. Tamblin

GRAPHIC SCALE (IN FEET)

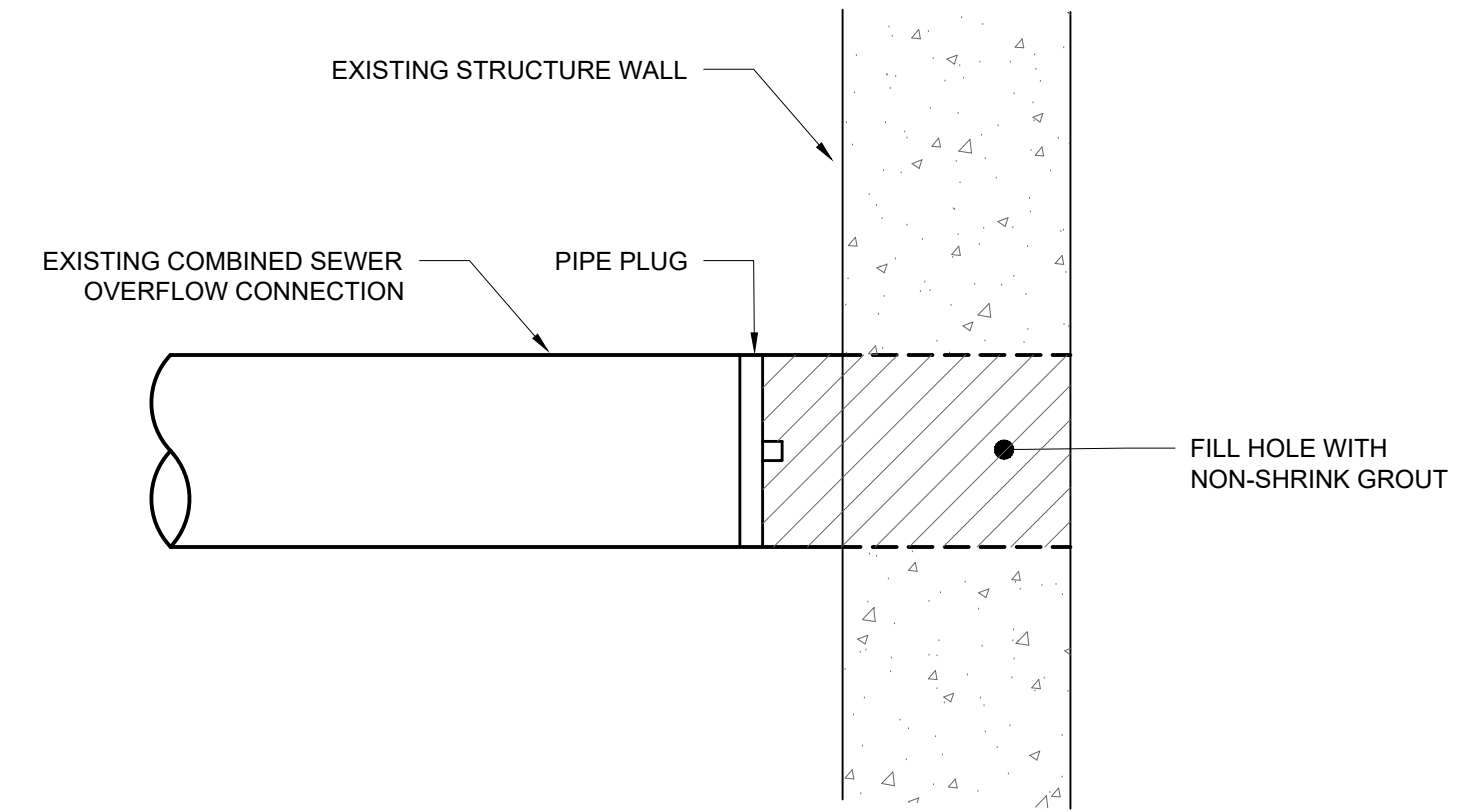
PROJECT TITLE: **ONONDAGA COUNTY SOW 119 GREEN STREETS**
PROJECT LOCATION: VINCENT STREET, SYRACUSE, NY
CLIENT: ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE: **SITE PLAN**

DATE:	5/14/2020
SCALE:	1"=20'
EDR JOB#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	C-103

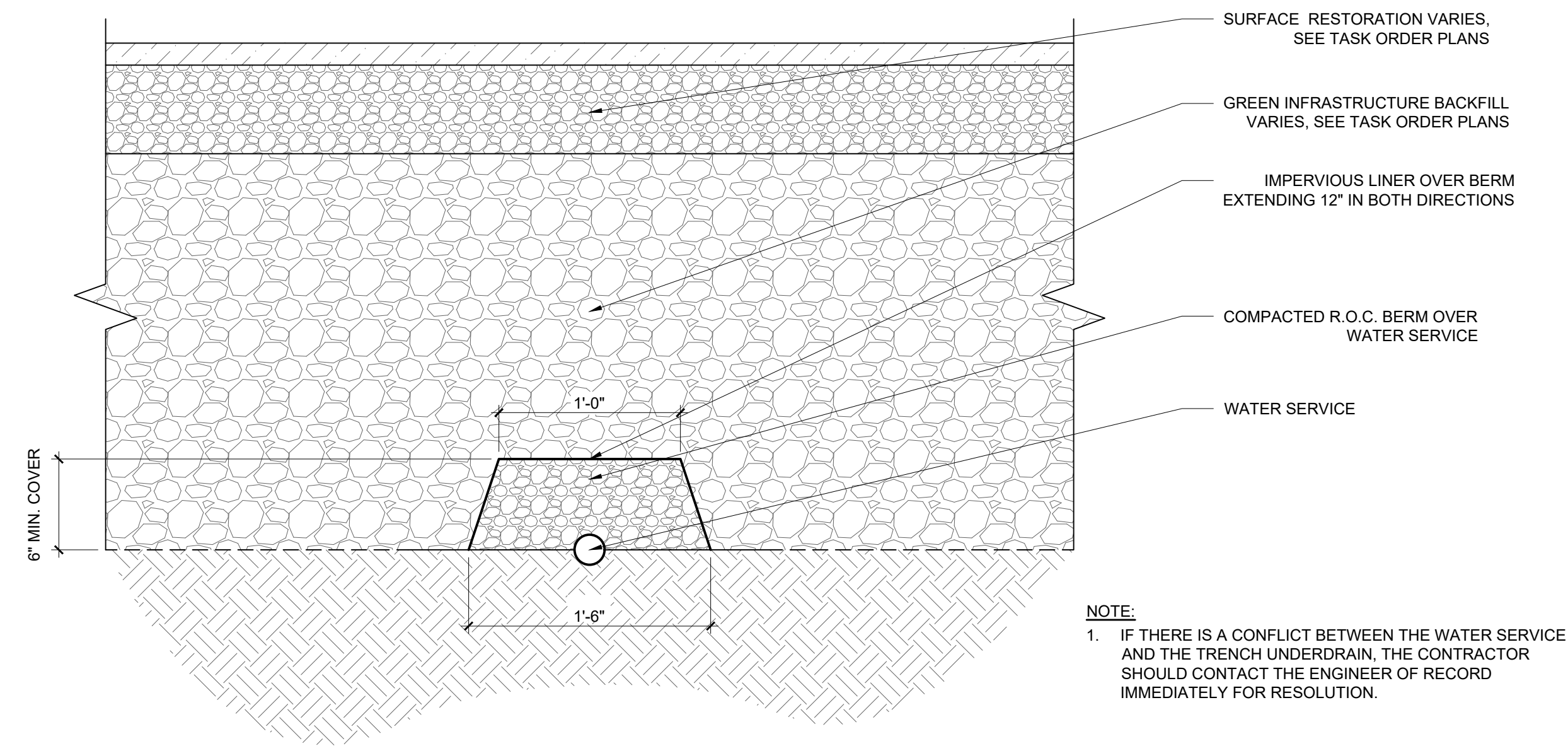
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1 STORM PIPE ABANDONMENT
Scale: NTS



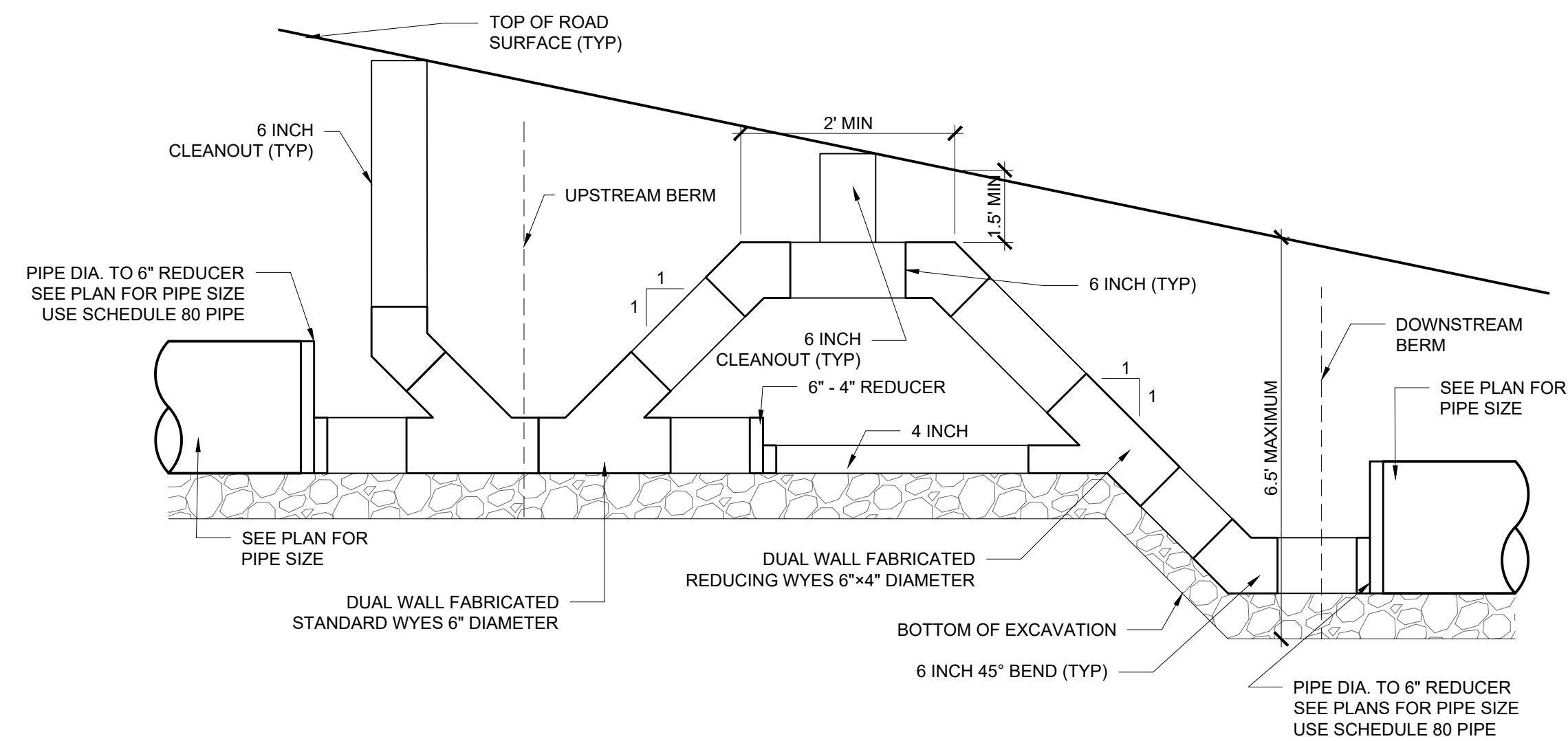
2 ALTERNATIVE STORM PIPE ABANDONMENT
Scale: NTS



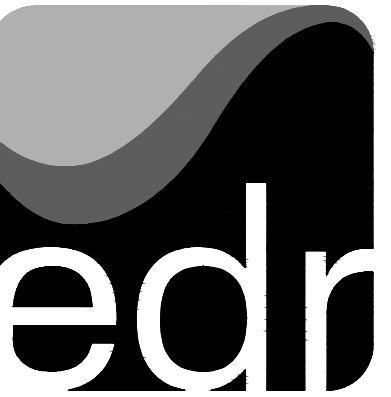
NOTE:
1. IF THERE IS A CONFLICT BETWEEN THE WATER SERVICE AND THE TRENCH UNDERDRAIN, THE CONTRACTOR SHOULD CONTACT THE ENGINEER OF RECORD IMMEDIATELY FOR RESOLUTION.

3 WATER SERVICE THROUGH GREEN INFRASTRUCTURE PROTECTION
Scale: NTS

TU.01A



4 BERM CROSS SECTION (TYP)
Scale: NTS



Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.

217 Montgomery Street, Suite 1000
Syracuse, New York 13202
P. 315.471.0688



DRAWING REVISIONS	
NO.	DATE
1	10/19
2	11/20/20
3	4/28/2020
4	5/14/2020
5	2/19/2022

BY	REVISION
	50% SUBMITTAL TO OGDWEP
	80% SUBMITTAL TO OGDWEP
	100% SUBMITTAL TO OGDWEP
	FINAL SUBMITTAL TO OGDWEP
	AS BUILT

PROJECT TITLE:	ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT LOCATION:	VINCENT STREET, SYRACUSE, NY
CLIENT:	ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE:	DETAILS

DATE:	5/14/2020
SCALE:	NTS
EDR Job#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	C-601

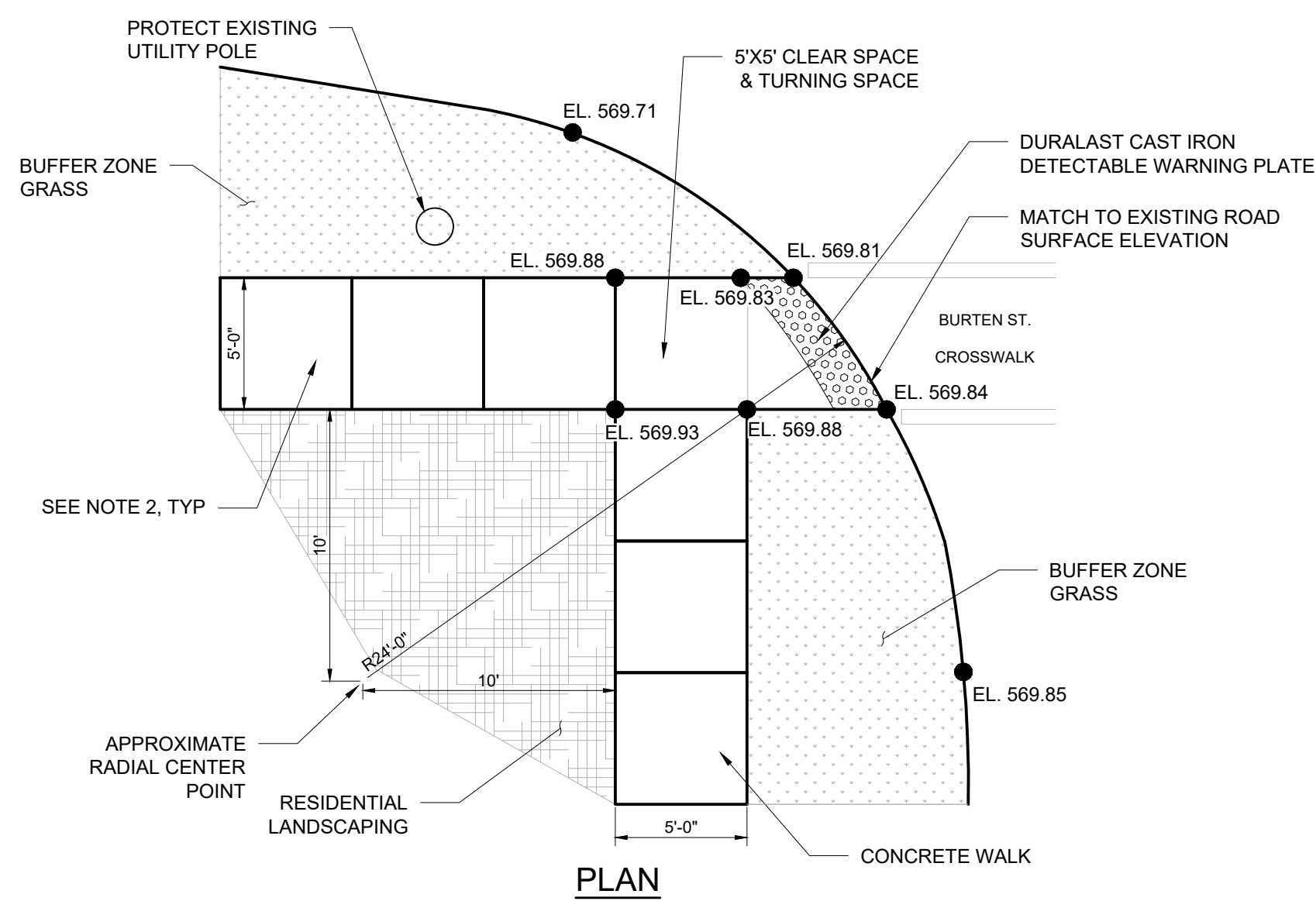
AS BUILT DRAWING
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.
DATE: 2/19/2022 PER: Michael E. Tamblin



DRAWING REVISIONS	
NO.	DATE
1	10/4/19
2	11/12/20
3	4/28/2020
4	5/4/2020
5	2/19/2022

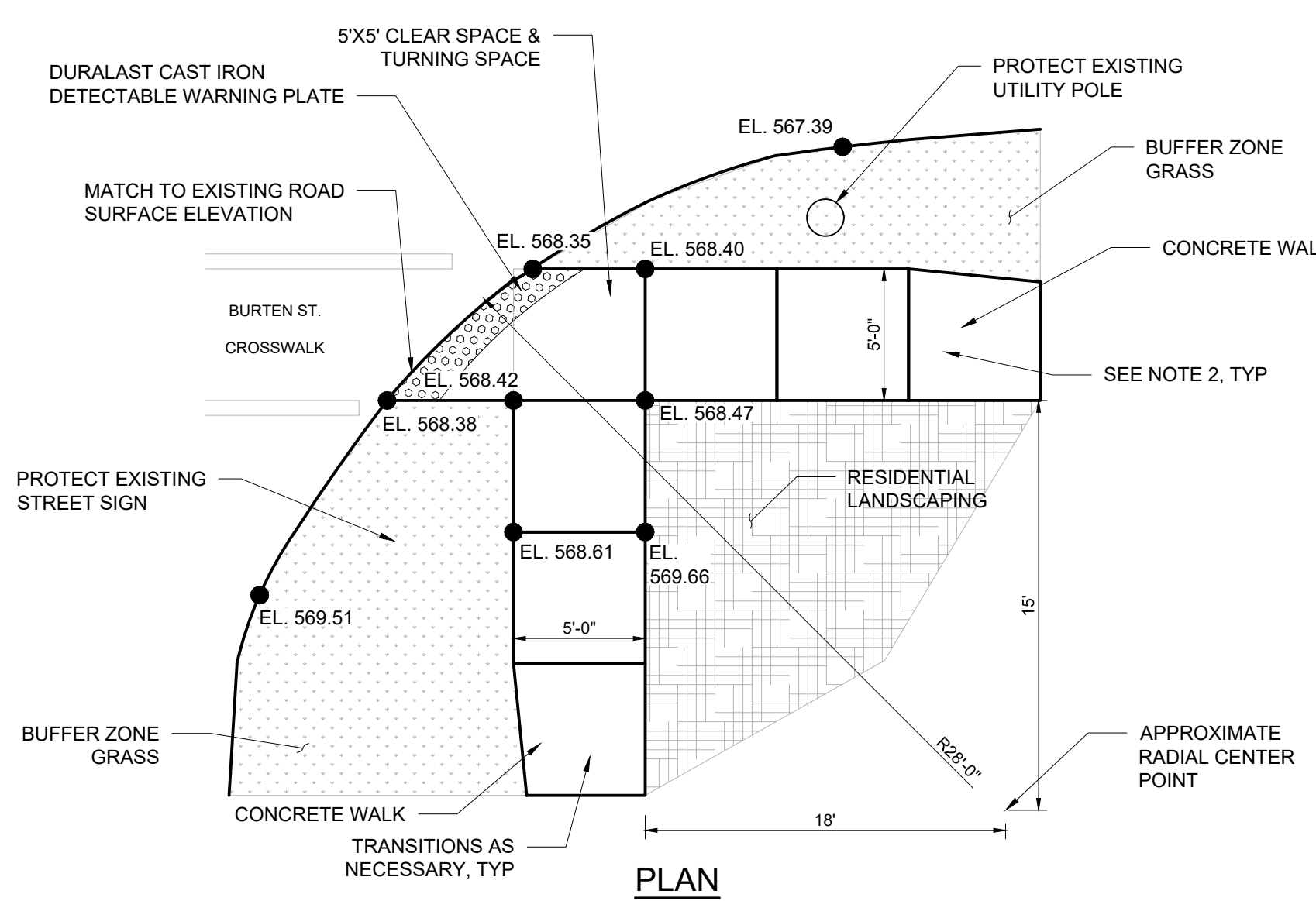
PROJECT TITLE:	ONONDAGA COUNTY SOW 119 GREEN STREETS
PROJECT LOCATION:	VINCENT STREET, SYRACUSE, NY
CLIENT:	ONONDAGA COUNTY WATER ENVIRONMENT PROTECTION
DRAWING TITLE:	DETAILS

DATE:	5/14/2020
SCALE:	NTS
EDR Job#:	19008
DRAWN BY:	BL
FILE NAME:	VINCENT STREET
DRAWING NUMBER:	C-602



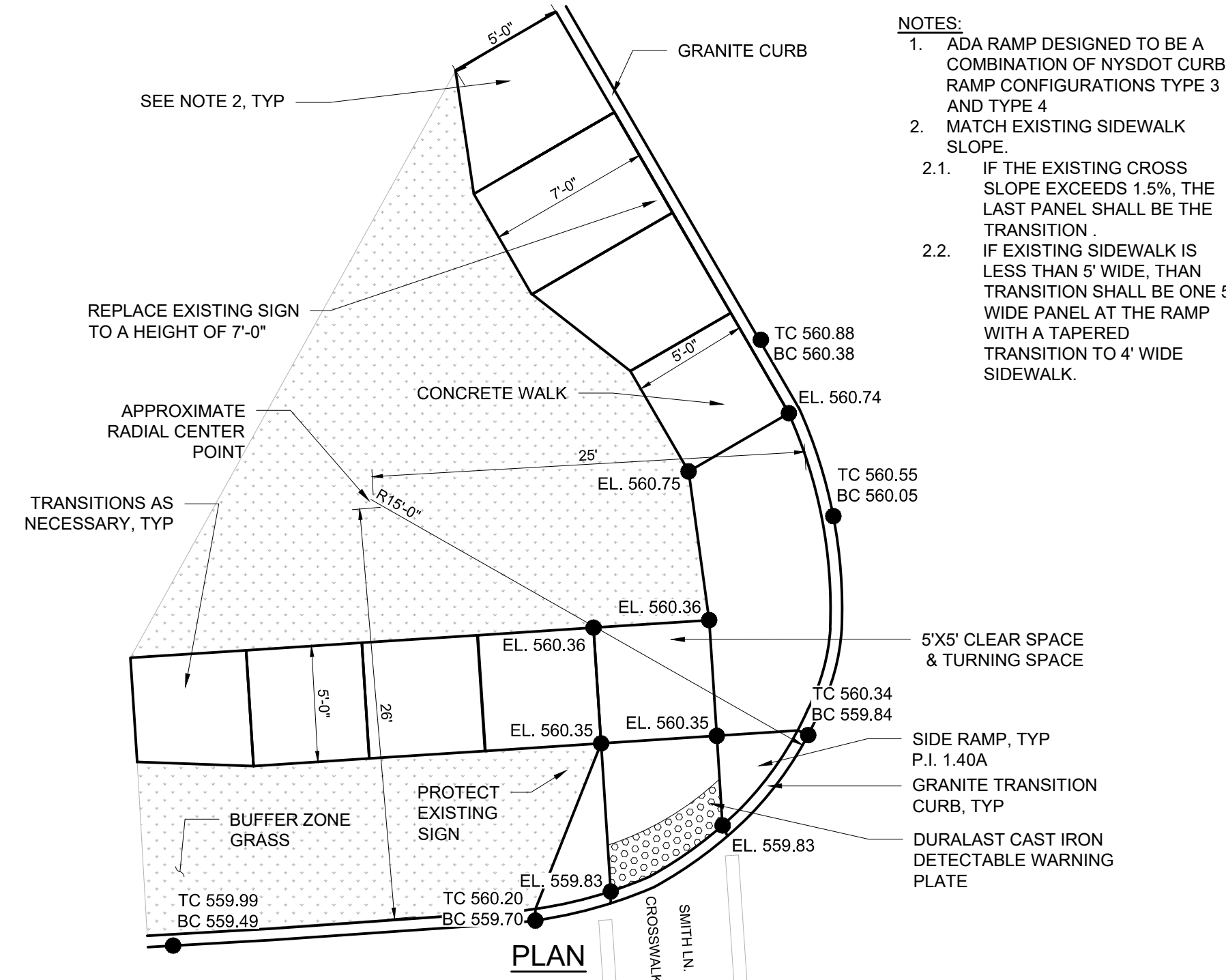
- NOTES:**
- ADA RAMP DESIGNED TO BE A MODIFIED VERSION OF NYS DOT CURB RAMP CONFIGURATION TYPE 3.
 - MATCH EXISTING SIDEWALK SLOPE.
 - IF THE EXISTING CROSS SLOPE EXCEEDS 1.5%, THE LAST PANEL SHALL BE THE TRANSITION.
 - IF EXISTING SIDEWALK IS LESS THAN 5' WIDE, THAN TRANSITION SHALL BE ONE 5' WIDE PANEL AT THE RAMP WITH A TRANSITION TO 4' WIDE SIDEWALK.

CURB RAMP CONFIGURATION DETAIL NO.1
(SW CORNER OF VINCENT ST AND BURTEN ST)

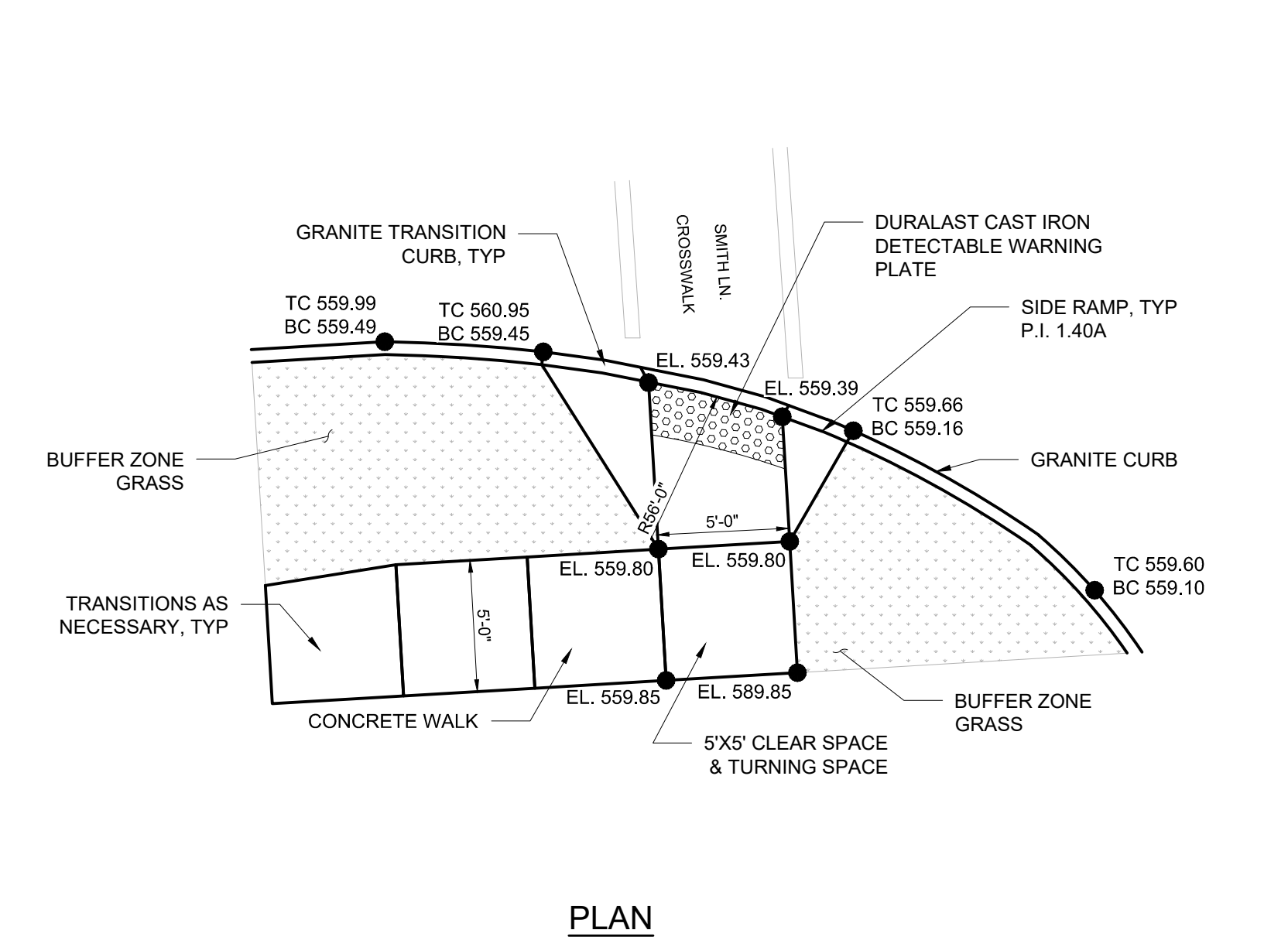


- NOTES:**
- ADA RAMP DESIGNED TO BE A MODIFIED VERSION OF NYS DOT CURB RAMP CONFIGURATION TYPE 3.
 - MATCH EXISTING SIDEWALK SLOPE.
 - IF THE EXISTING CROSS SLOPE EXCEEDS 1.5%, THE LAST PANEL SHALL BE THE TRANSITION.
 - IF EXISTING SIDEWALK IS LESS THAN 5' WIDE, THAN TRANSITION SHALL BE ONE 5' WIDE PANEL AT THE RAMP WITH A TRANSITION TO 4' WIDE SIDEWALK.

CURB RAMP CONFIGURATION DETAIL NO.2
(SE CORNER OF VINCENT ST AND BURTEN ST)



CURB RAMP CONFIGURATION DETAIL NO.3
(NW CORNER OF JAMESVILLE AVE AND SMITH LANE)



- NOTES:**
- ADA RAMP DESIGNED TO BE A MODIFIED VERSION OF NYS DOT CURB RAMP CONFIGURATION TYPE 2.
 - MATCH EXISTING SIDEWALK SLOPE.
 - IF THE EXISTING CROSS SLOPE EXCEEDS 1.5%, THE LAST PANEL SHALL BE THE TRANSITION.
 - IF EXISTING SIDEWALK IS LESS THAN 5' WIDE, THAN TRANSITION SHALL BE ONE 5' WIDE PANEL AT THE RAMP WITH A TRANSITION TO 4' WIDE SIDEWALK.

CURB RAMP CONFIGURATION DETAIL NO.4
(SW CORNER OF JAMESVILLE AVE AND SMITH LANE)

AS BUILT DRAWING

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

DATE: 2/19/2022 PER: Michael E. Tamblin