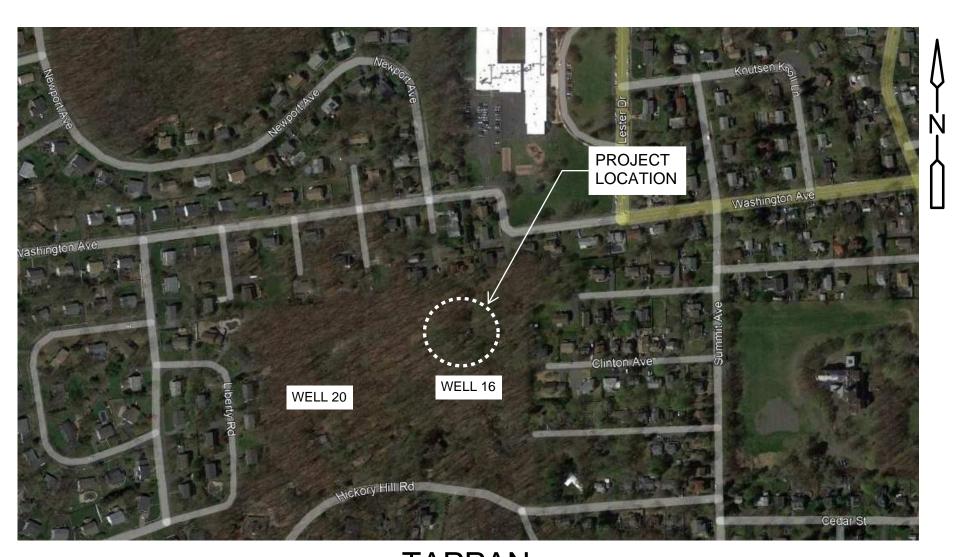
SUEZ WATER NEW YORK WEST NYACK, NEW YORK

PFAS COMPLIANCE FOR GROUNDWATER WELLS PROJECT B

CONTRACT NO. 15806

PLANNING BOARD SUBMITTAL JULY 2022



TAPPAN TOWN OF ORANGETOWN









CAMP DRESSER McKEE & SMITH - LATHAM, NEW YORK

Environment

Transportation

Energy

IT IS A VIOLATION OF SECTION 7209, SUB-DIVISION

PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOUTO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATES OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER OR SURVEYOR HAS BEEN ATTACHED.

Facilities

C - 405

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ARCHITECTURAL SCHEDULES AND SIGNAGE



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IT IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATES OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR HAS BEEN ATTACHED.

Camp Dresser McKee & Smith 11 British American Boulevard, Airport Park, Suite 200

Latham, NY 12110 Tel: (518) 782-4500

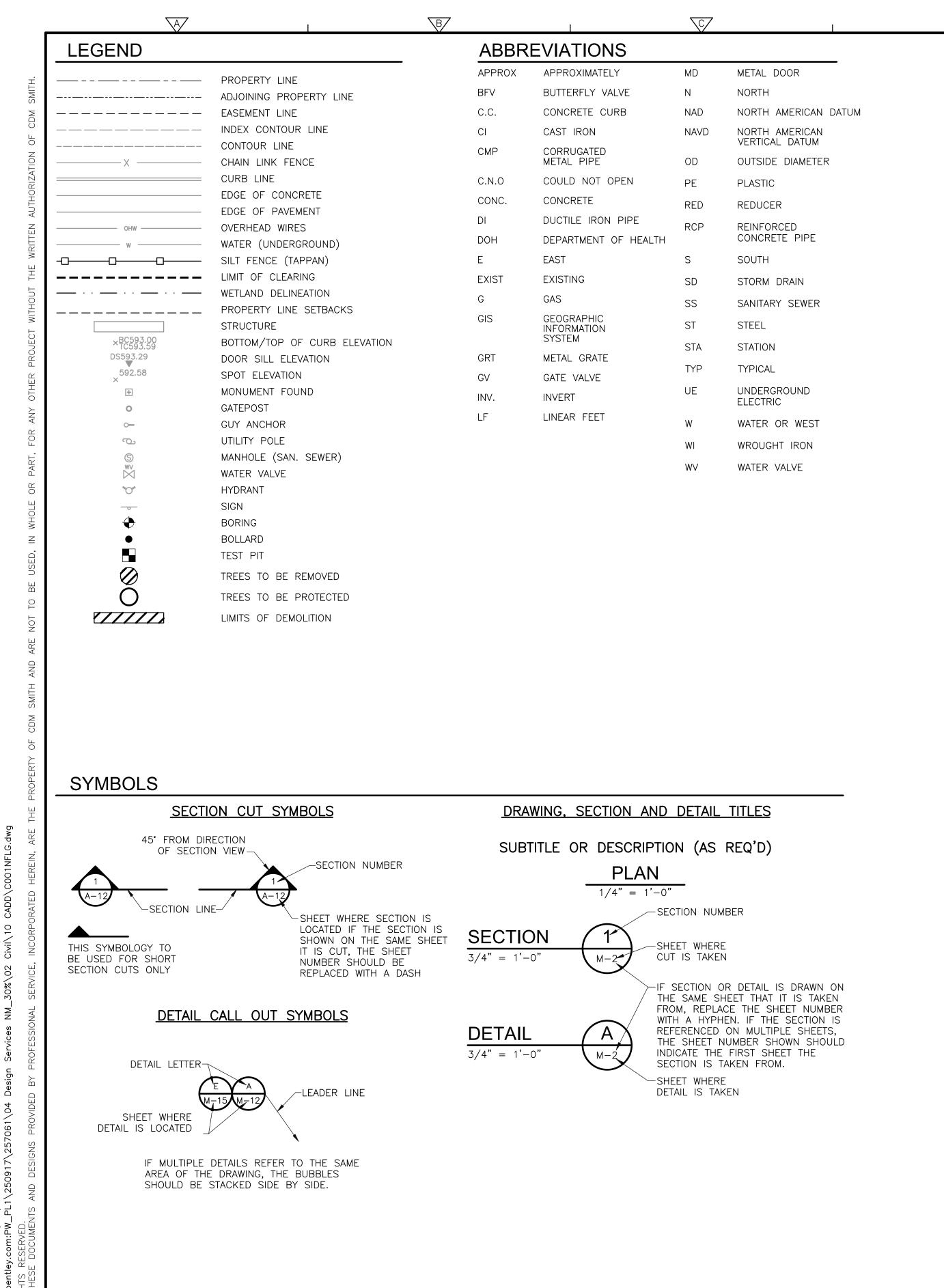
INDEX OF DRAWINGS

PROJECT NO. 250917-25706 FILE NAME: GOO1INDX.DW

SHEET NO. G-1

CIVIL PLANTINGS DETAILS I

CIVIL PLANTINGS DETAILS II



GENERAL NOTES

- BASE MAPPING IS BASED ON A FIELD SURVEY COMPLETED BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, D.P.C. COMPLETED ON 3/11/2021 AND 4/01/2021. THE HORIZONTAL DATUM IS NEW YORK STATE PLANE NAD83, NEW YORK EAST ZONE. THE VERTICAL DATUM IS NAVD88.
- 2. CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE WITH PROPOSED WORKING HOURS TO THE OWNER'S FIELD REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO ANY CONSTRUCTION AT THE SITE. THE FIELD REPRESENTATIVE SHALL COORDINATE SCHEDULE WITH APPLICABLE REGULATORY AGENCIES AND STAKEHOLDERS.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK, LANE CLOSURES AND DISRUPTIONS WITH GOVERNING AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING A TRAFFIC CONTROL PLAN TO THE MUNICIPALITIES PRIOR TO STARTING WORK. PROPER TRAFFIC CONTROL MUST BE MAINTAINED THROUGHOUT THE PROJECT DURATION.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SECURING AND REHABILITATING TEMPORARY STAGING, STORAGE AND/OR STOCKPILING AREAS, IF NEEDED, DURING CONSTRUCTION.
- 5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, SUEZ WATER, AND ALL UTILITIES PRIOR TO STARTING WORK.
- 6. REGULAR WORKING HOURS FOR THIS PROJECT ARE DEFINED AS MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 7:00 AM AND 5:00 PM UNLESS OTHERWISE STIPULATED BY THE ROAD OWNER.
- 7. FOR ALL WORK NEAR UNDERGROUND UTILITIES, THE CONTRACTOR SHALL FOLLOW PROPER NOTIFICATION PROCEDURES INCLUDING CONTACTING THE STATE "ONE CALL" SYSTEM (DIG SAFE NY) BY CALLING 1-800-962-7962.
- 8. DIG EXPLORATORY TEST PITS AS REQUIRED TO DETERMINE UNDERGROUND CONDITIONS. FIELD ENGINEER AND OWNER SHALL APPROVE OF TEST PITS PRIOR TO EXCAVATION.
- 9. THE LOCATION AND FULL EXTENT OF TRAFFIC SIGNAL LOOPS, CONDUIT, AND WIRING MAY NOT BE SHOWN. THE CONTRACTOR SHALL COORDINATE THE MARK—OUT OF SIGNAL LOOPS AND WIRING WITH THE GOVERNING AGENCY. LOOPS AND WIRING DAMAGES DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE GOVERNING AGENCY AT NO ADDITIONAL COST TO SUEZ WATER.
- 10. ALL SERVICE LOCATIONS ARE INTENDED TO SHOW THE PRESENCE OF A SERVICE AND DO NOT REPRESENT THE EXACT LOCATIONS. EXACT LOCATIONS AND SIZES OF SERVICES TO BE VERIFIED IN THE FIELD.
- 11. THE CONTRACTOR SHALL SUPPORT EXISTING UTILITIES DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER AND THE RESPECTIVE UTILITY.
- 12. SILT FENCES SHALL BE INSTALLED PRIOR TO CLEARING AND TRENCHING WHERE SPECIFIED IN SECTION 01110 AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 13. BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM.
- 14. ALL TEMPORARY CONCRETE BARRIERS SHALL CONFORM TO NYSDOT M606-21
- 15. ALL PIPE SHALL BE CLASS 52 CEMENT/MORTAR LINED DUCTILE IRON PIPE CONFORMING TO AWWA STANDARD C151 UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 16. CONTRACTOR SHALL CONTACT THE ENGINEER'S OFFICE IMMEDIATELY ON ANY CONFLICTS ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.
- 17. THE CONTRACTOR SHALL NOTIFY SUEZ WATER PRIOR TO CONNECTION TO OR RELOCATION OF ANY EXISTING SUEZ WATER-OWNED AND MAINTAINED FACILITIES. ALL CONNECTIONS AND MODIFICATIONS TO EXISTING FACILITIES SHALL BE DONE AT THE CONVENIENCE OF SUEZ WATER.
- 18. THE DRAWINGS INDICATE THE PRESENCE OF BENDS AS PART OF THE NEW INSTALLATION. BENDS ARE SHOWN TO INDICATE THE FACT THAT THE INSTALLATION WILL INCLUDE BENDS, BUT NOT TO INDICATE THE EXACT PLACEMENT OF BENDS. PRECISE LOCATION OF BENDS TO BE DETERMINED IN THE FIELD.
- 19. SANITARY SEWER MAINS AND CROSSINGS TO BE FIELD VERIFIED BY CONTRACTOR. THE CONTRACTOR IS CAUTIONED THAT ALL SANITARY LATERALS AND UTILITY SERVICES HAVE NOT BEEN LOCATED, WHEN THE CONTRACTOR ENCOUNTERS AN OBSTRUCTION AND CANNOT ADJUST THE ALIGNMENT USING ALLOWABLE JOINT DEFLECTION, THE CONTRACTOR SHALL INSTALL FITTINGS PROVIDED BY SUEZ WATER AT NO ADDITIONAL COST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROMPT REPAIR OF DAMAGED UTILITIES AND SHALL MAINTAIN ON SITE AN ADEQUATE SUPPLY OF REPAIR MATERIALS.
- 20. CONTRACTOR SHALL MAINTAIN A VERTICAL MINIMUM CLEARANCE OF 18—INCHES BETWEEN THE NEW WATER MAIN AND ALL OTHER EXISTING UTILITIES WHEN POSSIBLE. NEW WATER MAINS SHALL PASS UNDER ALL EXISTING UTILITIES EXCEPT SANITARY SEWERS UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ONWER'S REPRESENTATIVE.
- 21. WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER, WITH PREFERENCE TO THE WATER MAIN LOCATED ABOVE THE SEWER. AT CROSSINGS, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. SPECIAL STRUCTURAL SUPPORT FOR THE WATER AND SEWER PIPES MAY BE REQUIRED.
- 22. CONTRACTOR SHALL ENCASE NEW WATER MAIN IN K-CRETE WHEN PIPE IS WITHIN 10 FEET OF SANITARY OR STORM SEWER HORIZONTALLY OR CROSSES WITHIN 18 INCHES VERTICALLY.
- 23. THE CONTRACTOR SHALL BE AWARE THAT THE MAINS AND VALVES TO BE SHUT DOWN ARE OLD. AS SUCH, A WATERTIGHT SHUTDOWN CANNOT BE GUARANTEED. THE CONTRACTOR SHALL BE PREPARED TO UNDERTAKE MAIN ABANDONMENT OPERATIONS AND CONNECTIONS TO THE EXISTING MAINS IN WET CONDITIONS. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION IF EXISTING VALVES LEAK. THE CONTRACTOR SHALL PROVIDE THE NECESSARY PUMPING AND DEWATERING EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- 24. ALL NEW WATER MAINS AND SERVICES SHALL HAVE A MINIMUM OF 4 FEET OF COVER, UNLESS OTHERWISE NOTED ON THE PLAN SHEETS OR DIRECTED BY THE OWNER'S REPRSENTATIVE.
- 25. THRUST BLOCKS SHALL BE INSTALLED ON ALL FITTINGS. PIPE JOINTS SHOWN TO BE RESTRAINED SHALL HAVE FIELD LOK GASKETS.
- 26. DURING EXCAVATIONS, THE CONTRACTOR SHALL, AS A MINIMUM, COMPLY WITH THE EXCAVATION SAFETY STANDARDS, PROVIDE SPECIAL SHORING (IF REQUIRED), AND PROVIDE COMPLIANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARD 29 CFR 1926/650 (SUBPART B AS AMENDED).

- 29. TRENCH EXCAVATIONS NEAR STREAMS AND DRAINAGE SWALES SHALL BE DEWATERED USING SILTATION BAGS OR APPROVED EQUAL. CONTRACTOR SHALL NOT PUMP UNFILTERED WATER INTO STREAMS OR INTO STRUCTURES WHICH DISCHARGE TO A WATER BODY.
- 30. IF ASBESTOS IS ENCOUNTERED, ONLY ASBESTOS—CERTIFIED CONTRACTORS ARE TO PERFORM SERVICE TAPS ON ASBESTOS CEMENT PIPE. CONTRACTOR TO RETAIN AC PIPE TAP COUPON FOR SUEZ WATER RECORD KEEPING PURPOSES.

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- 31. CONTROL DENSITY BACKFILL SHALL BE PROVIDED WHEN EXISTING UTILITY LINES ARE UNDERMINED AND SELECTED BACKFILL CAN NOT BE PROPERLY PLACED.
- 32. NEW MAIN SHALL BE INSTALLED COMPLETE BY CONTRACTOR, THEN PRESSURE TESTED IN ACCORDANCE WITH THE LATEST EDITIONS OF AWWA STANDARD C600 AND DISINFECTED PRIOR TO TRANSFERRING SERVICE TO THE NEW MAINS BY SUEZ WATER.
- 33. THE CONTRACTOR SHALL INSTALL A 2" CORPORATION STOP, A SECTION OF 2" COPPER TO GRADE WITH A 2" CURB STOP OR 2" BALL VALVE WITH A SECTION OF 2" COPPER WITH A COUPLING NUT AND FLARED END FOR BLEEDING, FLUSHING, PRESSURE TESTING, DISINFECTING, AND DE—CHLORINATING THE WATER MAIN. THE CORPORATION STOP TESTING ASSEMBLY SHALL BE INSTALLED AT THE BEGINNING AND END OF A SEGMENT TO BE TESTED AND DISINFECTED AND SHALL NOT EXCEED A MAXIMUM LENGTH OF 1,200 FEET AND THE CONTRACTOR SHALL INSTALL ADDITIONAL CORPORATION STOPS AS ARE REQUIRED FOR PROPER TESTING, FLUSHING, AIR BLEEDING, AND DISINFECTION.
- 34. DURING FLUSHING AND PRESSURE TESTING OF THE MAIN, THE CONTRACTOR SHALL NOT OPERATE VALVES WITHOUT THE DIRECT SUPERVISION OF SUEZ WATER, INCLUDING NEW VALVES INSTALLED.
- 35. AFTER THE MAIN HAS BEEN PLACED INTO SERVICE, THE CONTRACTOR SHALL REMOVE THE TESTING ASSEMBLY AND ABANDON THE CORPORATION STOP OR THE CURB STOP. THE CORPORATION STOP OR THE CURB STOP SHALL BE IN THE CLOSED POSITION AND THE END OF THE COPPER PIPE SHALL BE CRIMPED BELOW GRADE PRIOR TO BACKFILL AND PAVE IN ACCORDANCE WITH THE APPLICABLE TRENCH DETAIL.
- 36. REGARDLESS OF THE SOURCE OF POTABLE WATER, ALL WATER USED FOR TESTING AND DISINFECTING PURPOSES SHALL BE PROPERLY DISPOSED OF (INCLUDING DE-CHLORINATION) BY THE CONTRACTOR IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, LOCAL AND SUEZ WATER STANDARDS.
- 37. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH HAVE OCCURRED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING HIS WORK. ITEMS SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
- 38. SHRUBS AND HEDGES WHICH MUST BE REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN AS GOOD A CONDITION AS THEY WERE BEFORE THEIR REMOVAL. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 39. IF CONTRACTOR UNNECESSARILY DAMAGES CURBS AND SIDEWALKS DUE TO NEGLIGENCE OR UNSUITABLE CONSTRUCTION TECHNIQUES, THE CONTRACTOR SHALL RESTORE THOSE ITEMS IN KIND AT NO ADDITIONAL COST TO THE OWNER.
- 40. CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, WALLS, WALKS, CURBS, FENCES, ETC. TO A CONDITION AT LEAST AS GOOD AS THEY WERE BEFORE BEING DISTURBED. MAILBOXES, POSTS, ETC. SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. THE COST OF THIS WORK SHALL BE PAID FOR UNDER THE BID ITEM FOR MISCELLANEOUS WORK AND CLEANUP. ITEMS DAMAGED THROUGH CONTRACTOR NEGLIGENCE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 41. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL EXCESS EXCAVATED MATERIAL TO AN APPROVED OFF—SITE LOCATION AT NO ADDITIONAL COST TO THE OWNER.
- 42. RESTORATION, INCLUDING THE REMOVAL OF EXCESS EXCAVATED MATERIAL AND PLACEMENT OF TEMPORARY PAVEMENT, SHALL BE PERFORMED AND COMPLETED ON A DAILY BASIS. ALL ROADS SHALL BE PASSABLE TO VEHICULAR TRAFFIC AT THE END OF EACH WORK DAY.
- 43. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING RECORD DRAWINGS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED. THESE SHALL BE PROVIDED TO SUEZ WATER.

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WARNING
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DESIGNED BY: D. ROSENTHAL

DRAWN BY: R. HAINES

SHEET CHK'D BY: G. CAPOBIANCO

CROSS CHK'D BY: D. ROSENTHAL

APPROVED BY: G. STUART

2 | 7/22 | RWH | DAR | REVISED PER TOWN COMMENTS

REVISED PER TOWN COMMENTS

REMARKS

|5/21| RWH | DAR

DATE DRWN CHKD

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SEPTEMBER 202

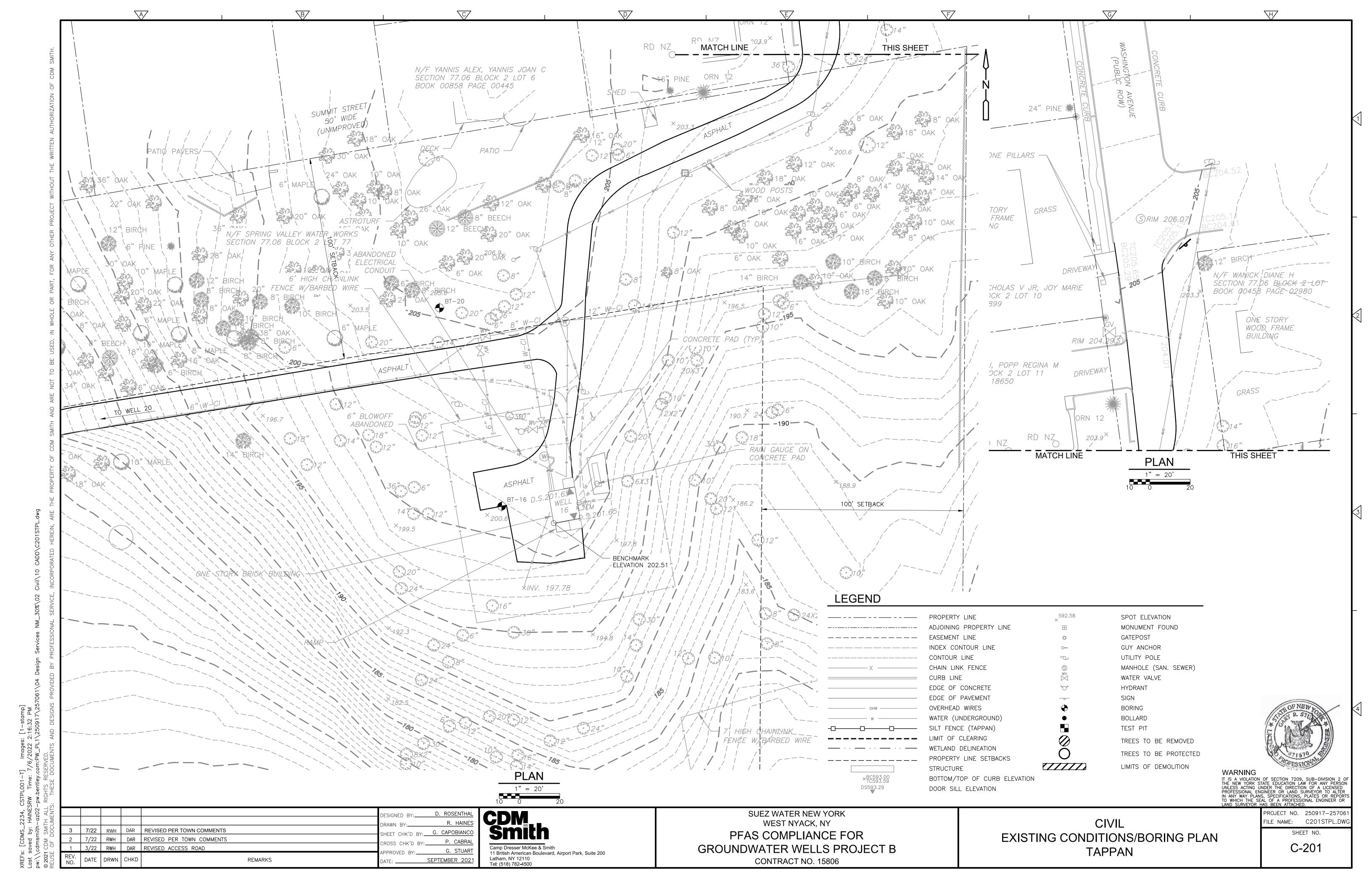
SUEZ WATER NEW YORK
WEST NYACK, NY
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GROUNDWATER WELLS PROJECT B
CONTRACT NO. 15806

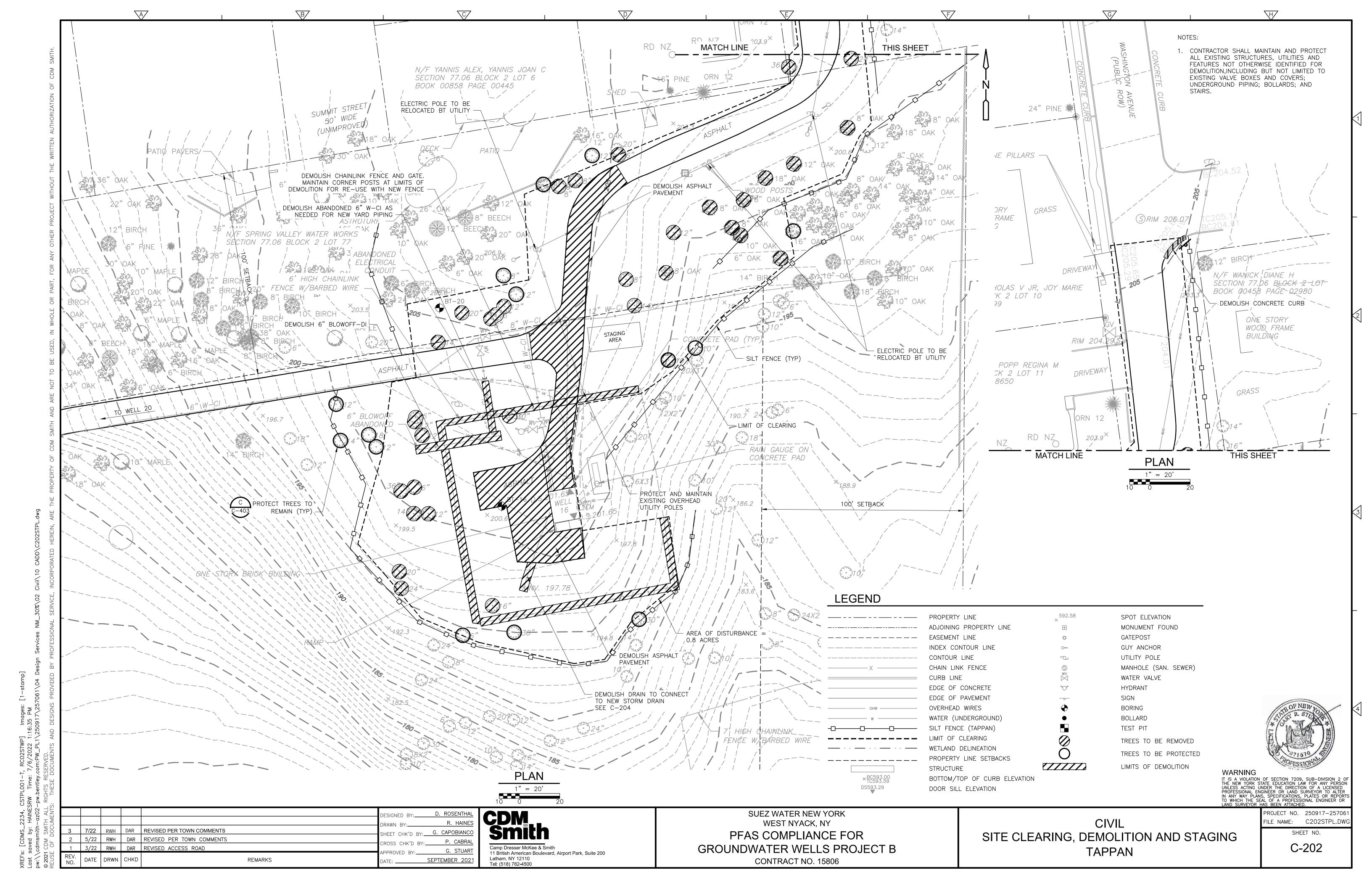
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GENERAL NOTES, ABBREVIATIONS,
LEGEND AND SYMBOLS

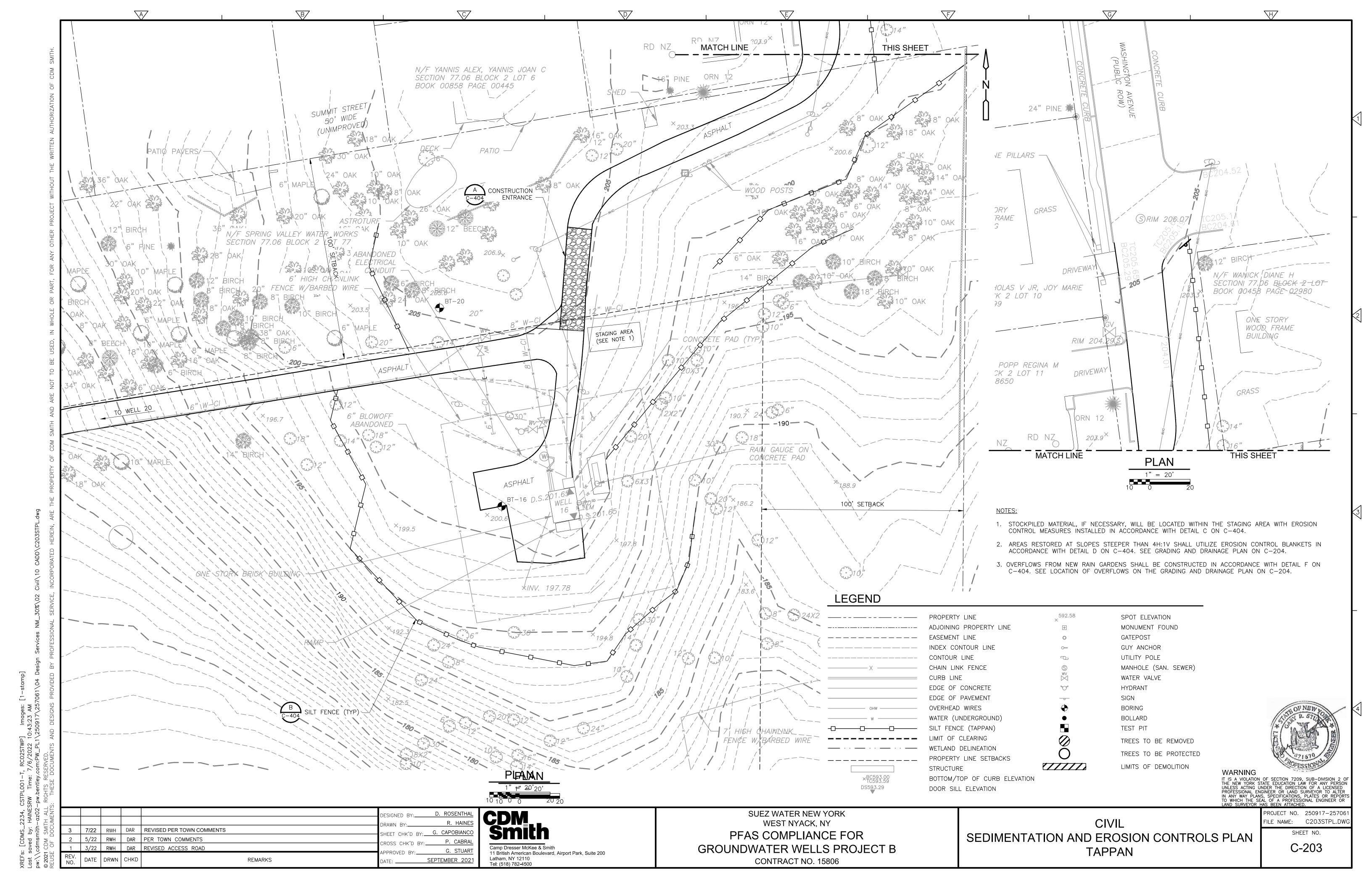
PROJECT NO. 250917-25706

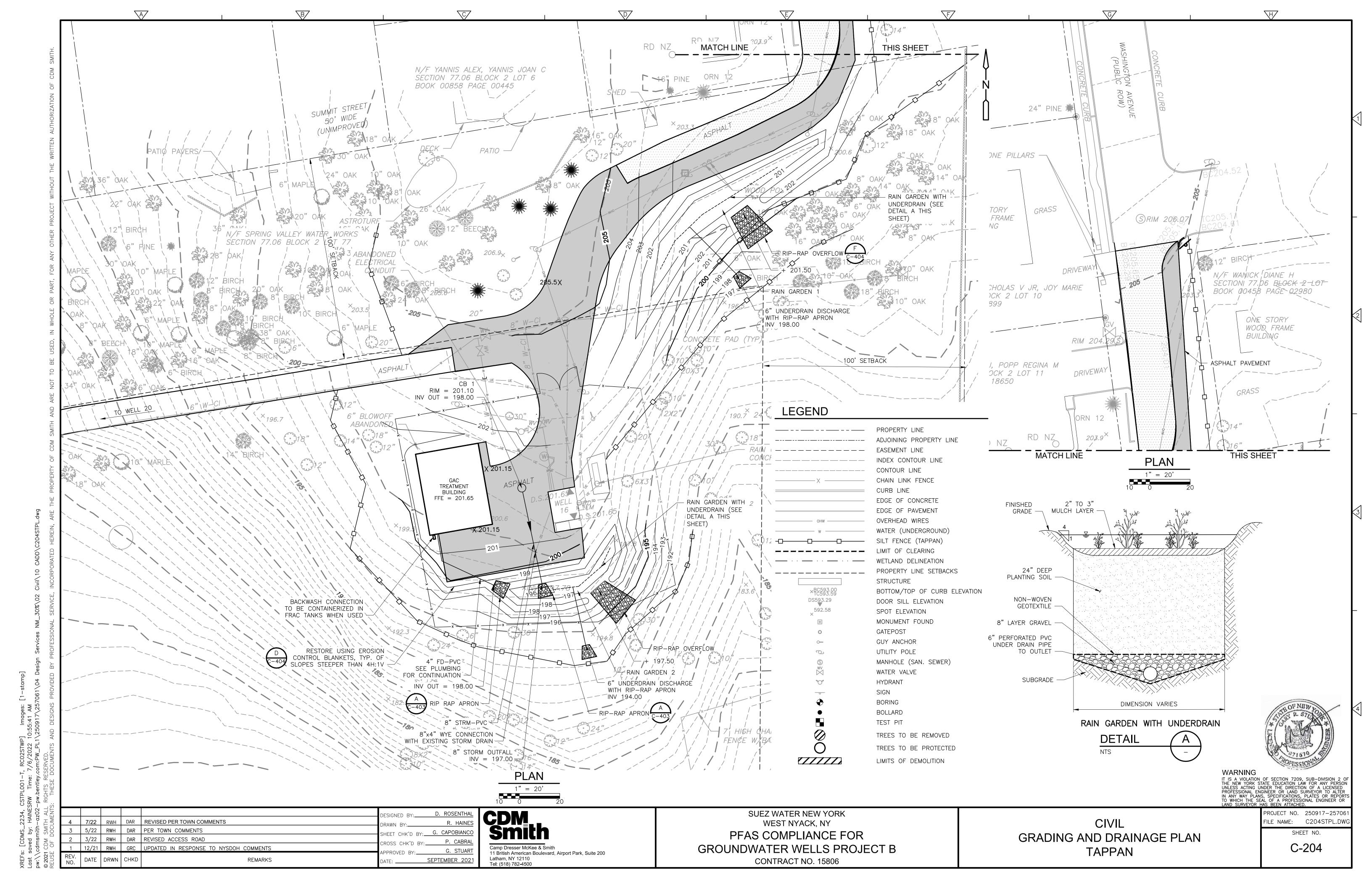
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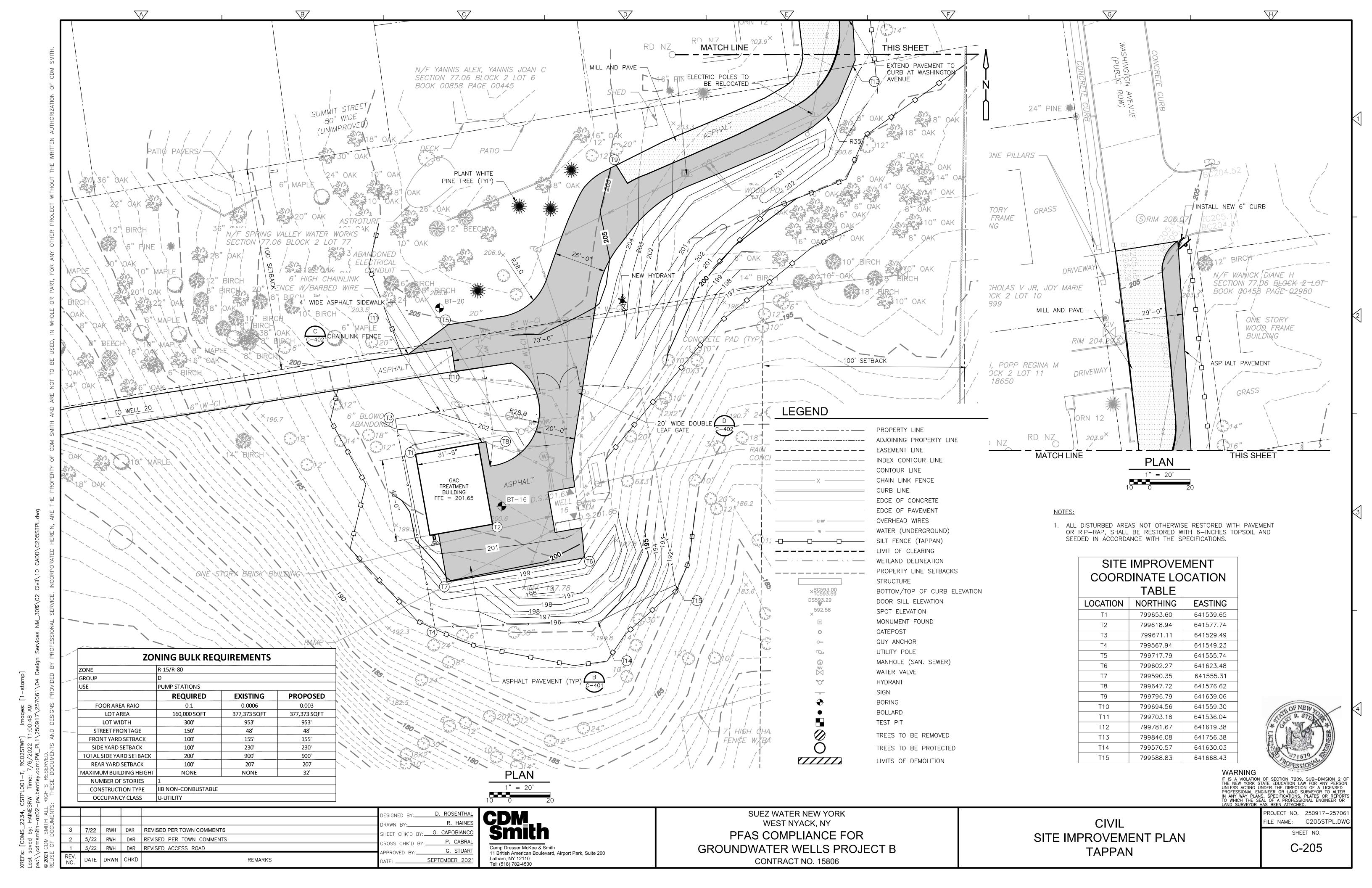
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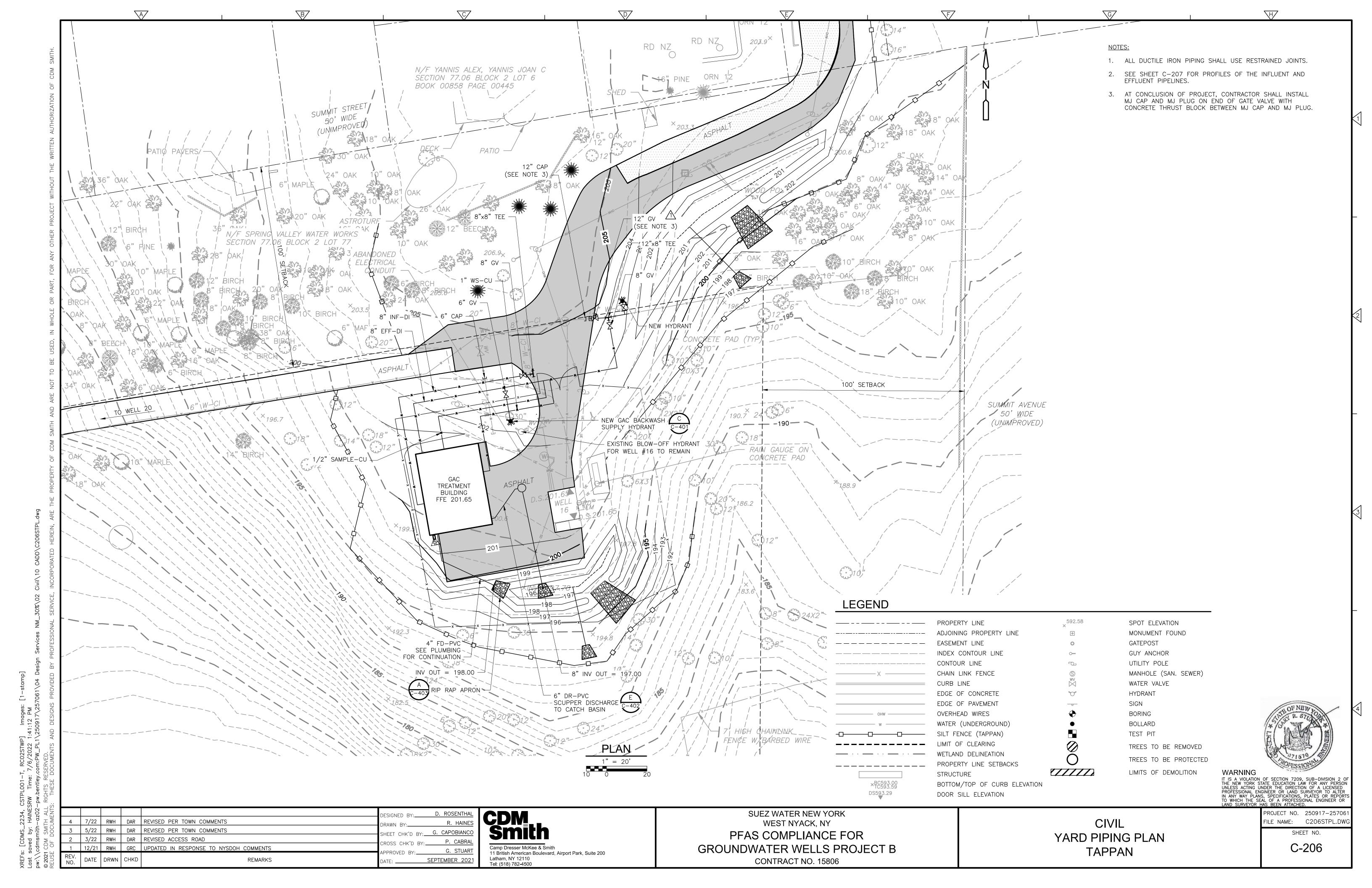




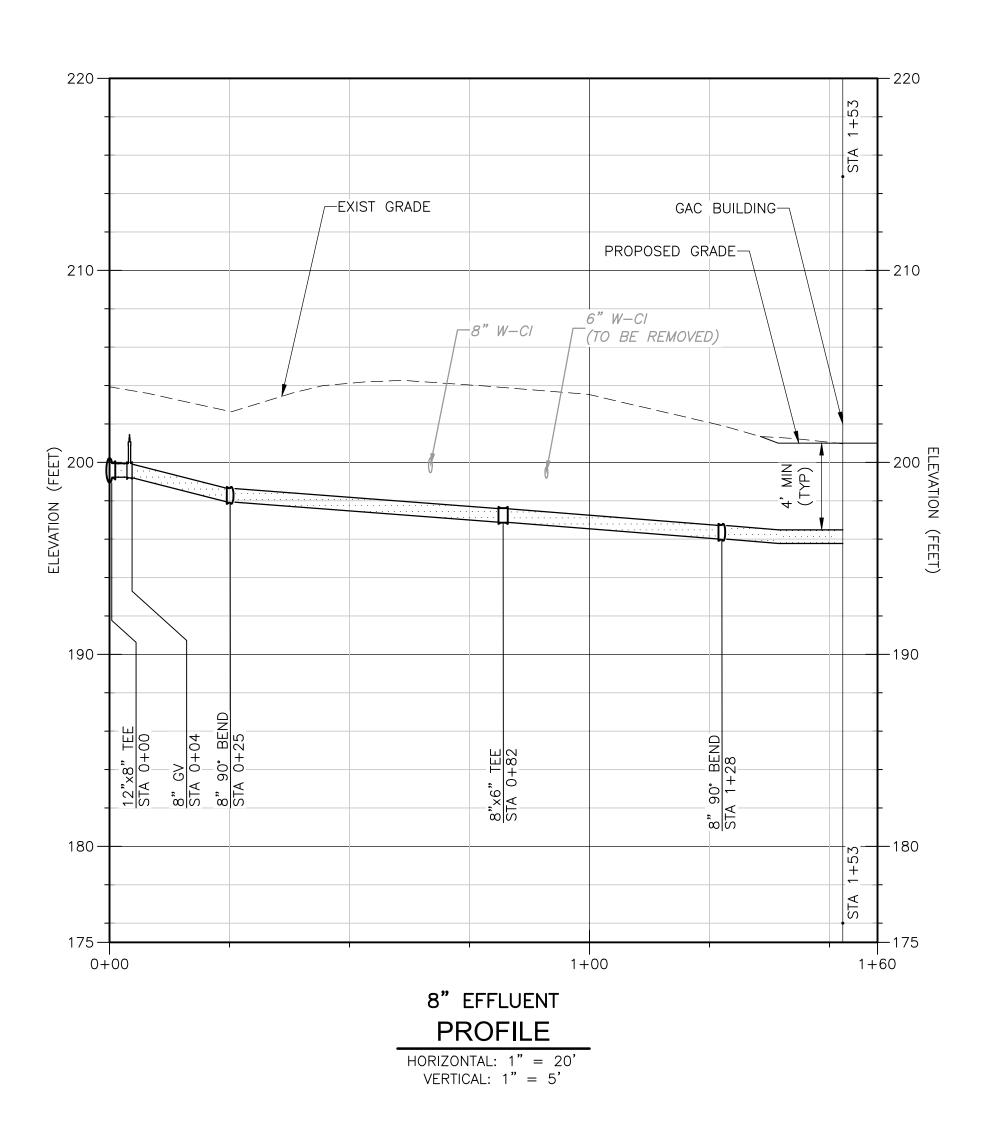


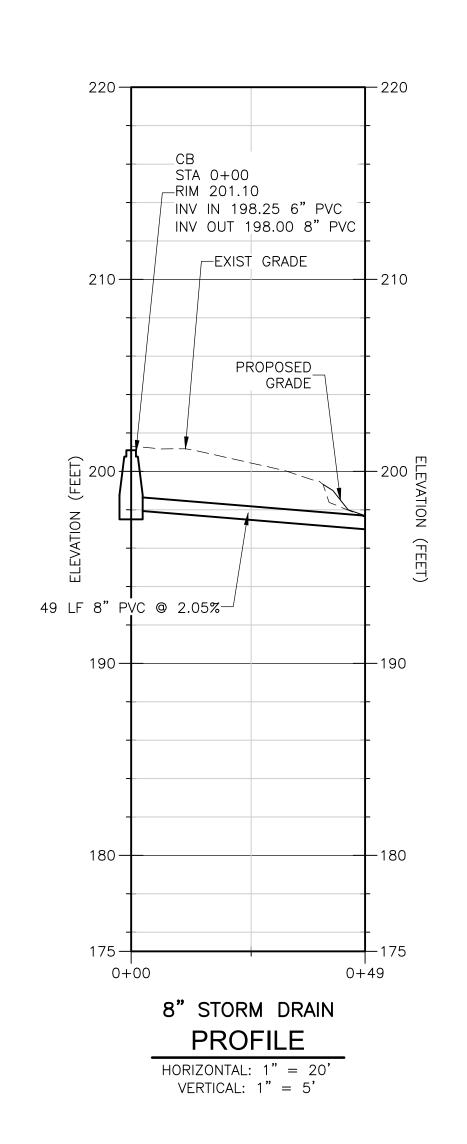


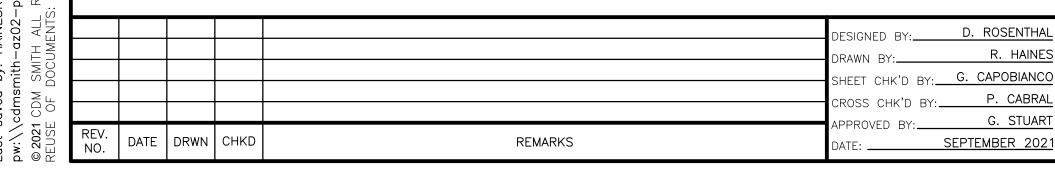




_EXIST GRADE GAC BUILDING PROPOSED GRADE (FEET) 190-8"x8" STA 0-8" GV STA 0-180--180 1+00 0+00 1+25 8" INFLUENT PROFILE HORIZONTAL: 1" = 20' VERTICAL: 1" = 5'









SUEZ WATER NEW YORK
WEST NYACK, NY
PFAS COMPLIANCE FOR
GROUNDWATER WELLS PROJECT B
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CIVIL PIPING PROFILES TAPPAN WARNING

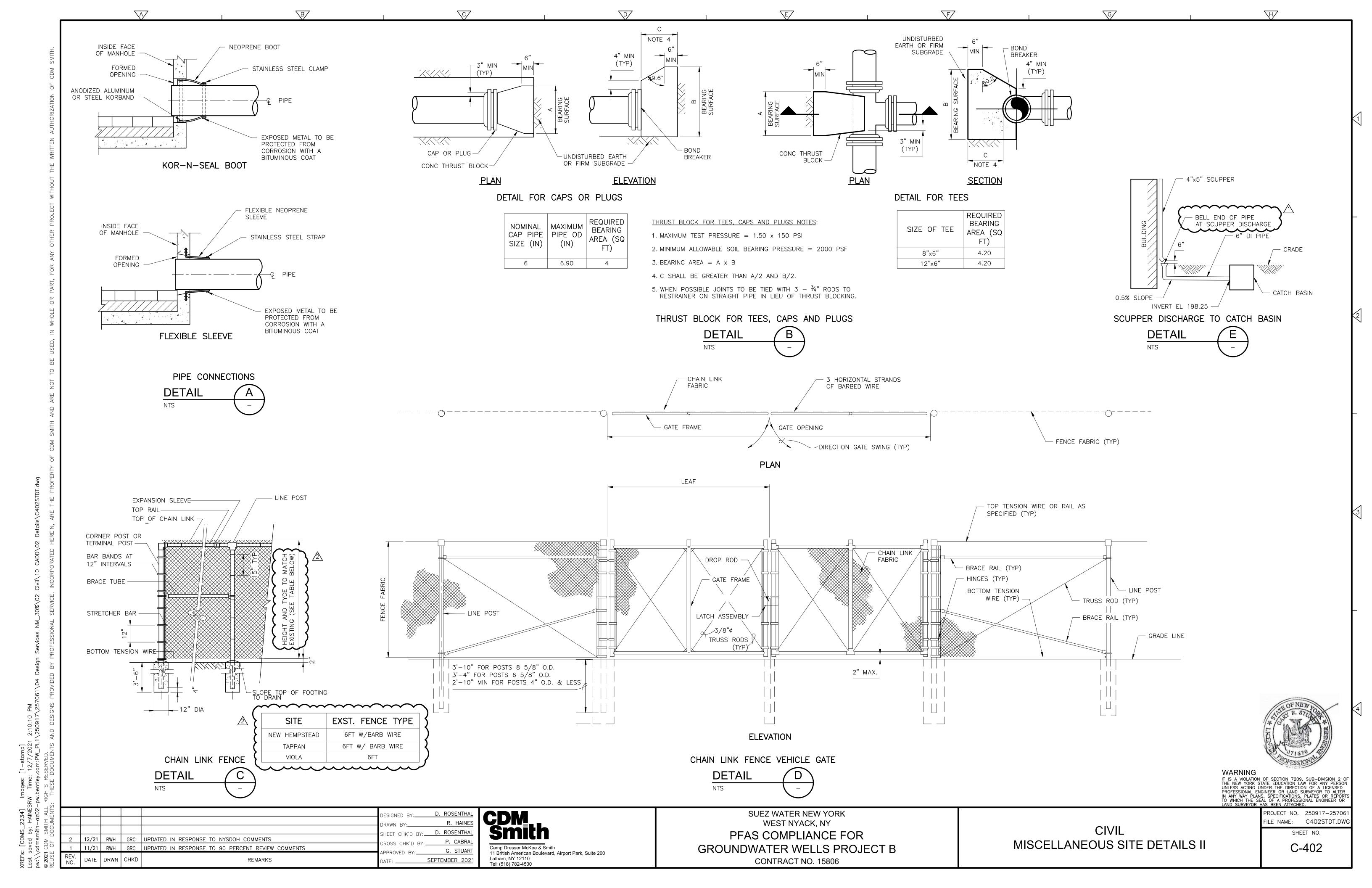
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PROJECT NO. 250917-257061

FILE NAME: C207STPP.DWG

SHEET NO.

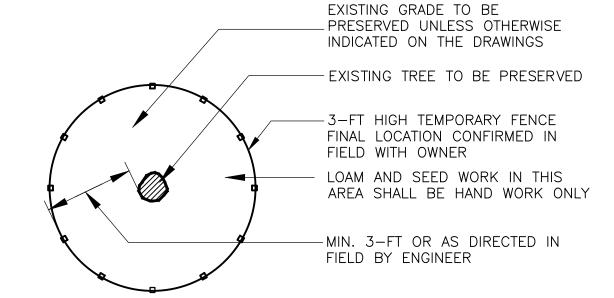
C-207



OUTFALL NO.	LENGTH L = (FT)	DEPTH (IN)	UPSTREAM WIDTH U = (FT)	DOWNSTREAM WIDTH D = (FT)	d ₅₀ (IN)	dmax (IN)
NEW HEMPSTEAD	4	6	1.5	4.5	3	4
TAPPAN CATCHBASIN	6	6	1.5	6.5	3	4
VIOLA	4	6	1.5	4.5	3	4
FLOOR DRAINS (ALL SITES)	2	6	1.0	2.0	3	4
BACKWASH DISCHARGES (NEW HEMPSTEAD AND TAPPAN)	4	6	1.5	4.5	3	4
TAPPAN RG UNDERDRAINS	4	6	1.0	4.5	3	4

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STANDARD CURB **DETAIL**



NOTES:
1. FENCING SHALL BE INSTALLED AROUND PERIMETER OF EXISTING TREE TO BE PROTECTED AS SHOWN ON PLANS.

2. FENCING SHALL REMAIN IN PLACE AND BE MAINTAINED THROUGHOUT CONSTRUCTION AND THEN REMOVED COMPLETELY AS DIRECTED BY OWNER TO COMPLETE LOAMING AND SEEDING ACTIVITIES.

TREE PROTECTION

DETAIL	C
NTS	_

RIDRAD ADDON

APRON
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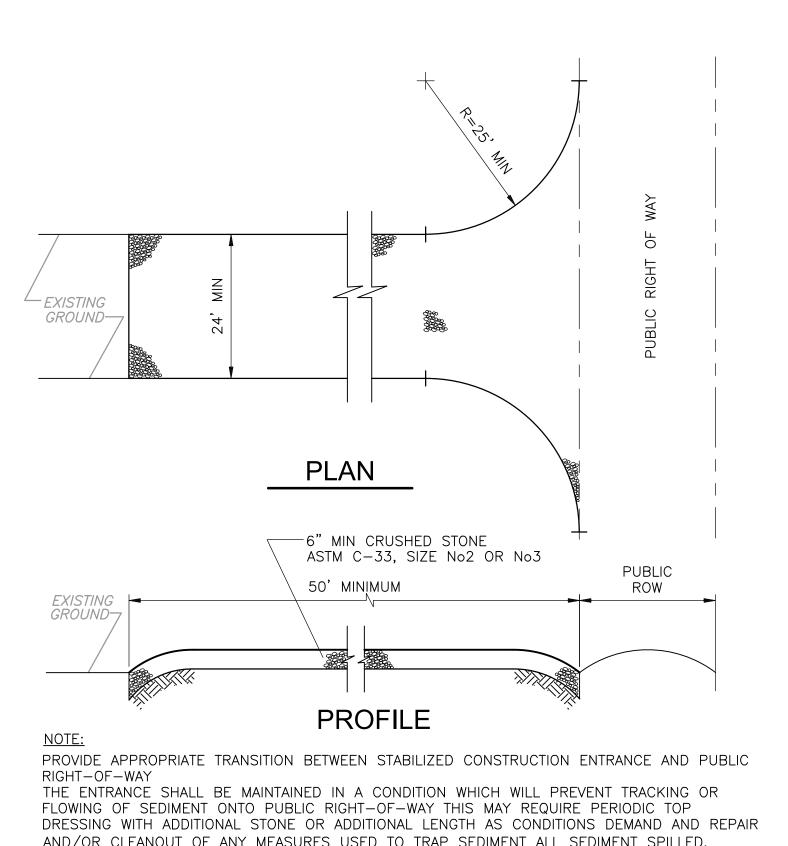
2 | 5/22 | RWH | DAR | REVISED PER TOWN COMMENTS 12/21 RWH GRC UPDATED IN RESPONSE TO NYSDOH COMMENTS DATE DRWN CHKD REMARKS

D. ROSENTHAL P. CABRAL Camp Dresser McKee & Smith G. STUART 11 British American Boulevard, Airport Park, Suite 200 Latham, NY 12110 Tel: (518) 782-4500

SUEZ WATER NEW YORK WEST NYACK, NY PFAS COMPLIANCE FOR GROUNDWATER WELLS PROJECT B CONTRACT NO. 15806

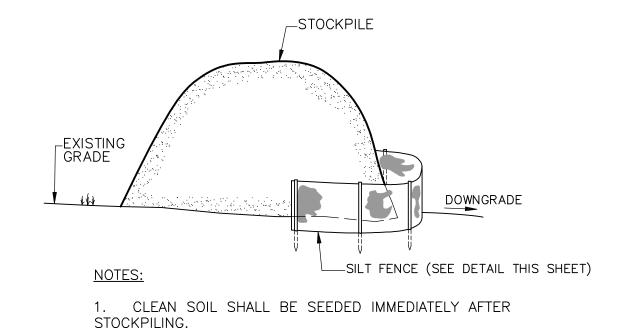
CIVIL MISCELLANEOUS SITE DETAILS III PROJECT NO. 250917-25706 FILE NAME: C403STDT.DW

SHEET NO. C-403



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4×4-W1.4XW1.4 WWF & FILTER FABRIC (BURLAP)-BURY TOE OF FABRIC A MINIMUM
OF 8" -3"0 TREATED WOOD OR STEEL POST-10'-0" MAX **ELEVATION** SECTION SILT FENCE **DETAIL**

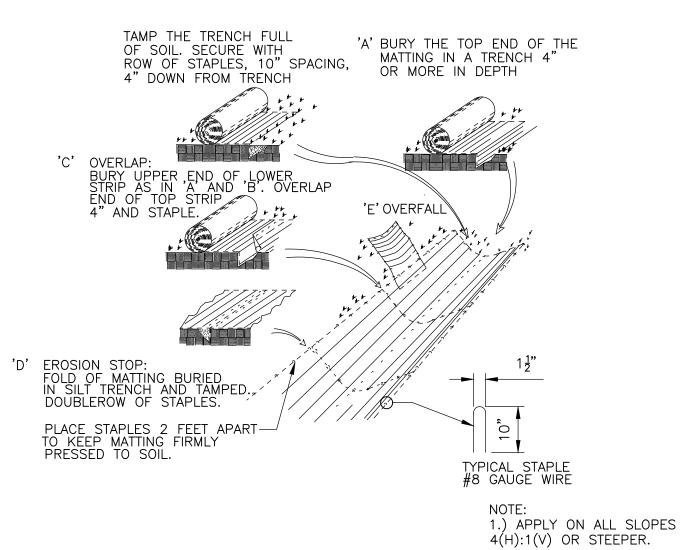


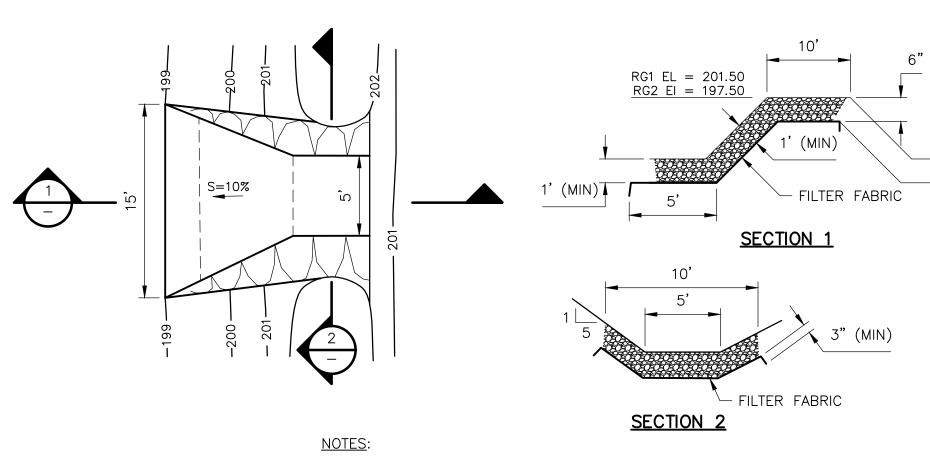
TEMPORARY STOCK PILE **DETAIL** NTS

AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY

STABILIZED CONSTRUCTION ENTRANCE







1. GRADES PROVIDED FOR RG1. SIMILAR SLOPES APPLICABLE AT RG2. SEE PLAN SHEET FOR ACTUAL ELEVATIONS.

RIP RAP OVERFLOW

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R. HAINES D. ROSENTHAL P. CABRAL Camp Dresser McKee & Smith G. STUART 11 British American Boulevard, Airport Park, Suite 200 Latham, NY 12110 Tel: (518) 782-4500

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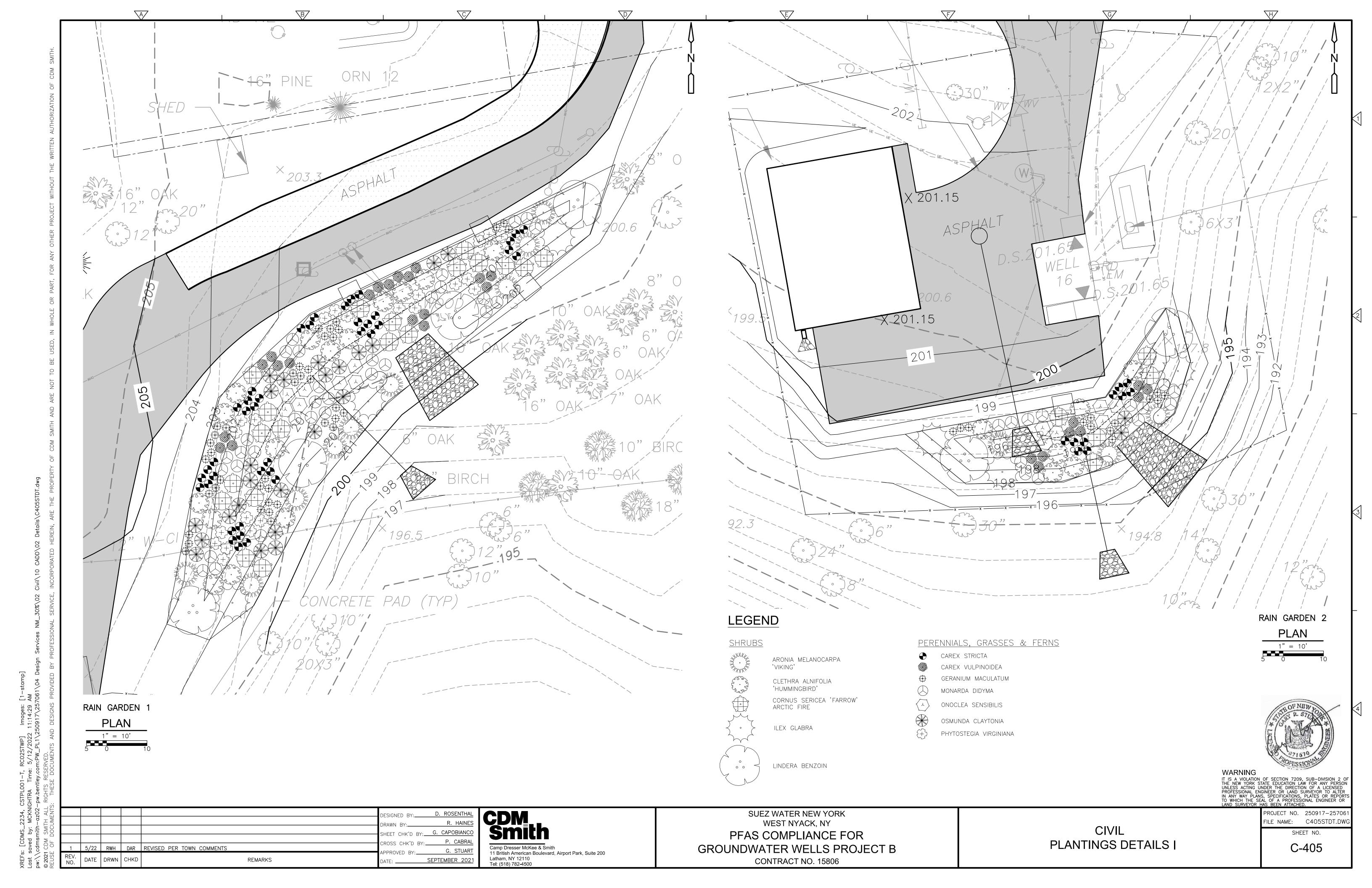
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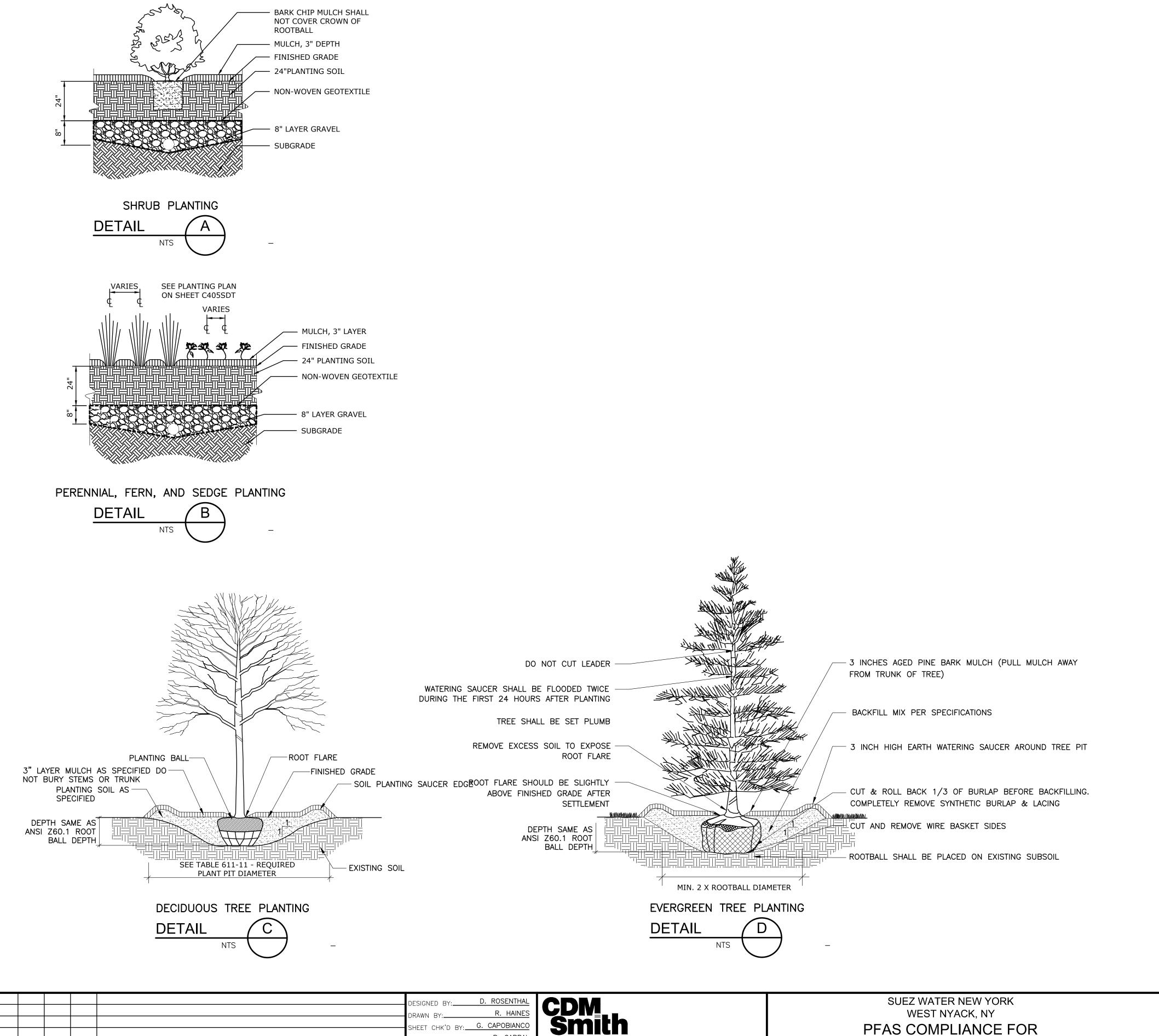
C-404

WARNING

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SEDIMENTATION AND EROSION DETAILS









CIVIL

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C-406

PLANTINGS DETAILS II

DATE DRWN CHKD

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5/22 RWH DAR REVISED PER TOWN COMMENTS REMARKS

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GROUNDWATER WELLS PROJECT B

CONTRACT NO. 15806

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GENERAL NOTES

1. NOT ALL EQUIPMENT IS SHOWN FOR CLARITY. REFER TO THE APPROPRIATE DISCIPLINE SHEETS FOR SPECIFIC EQUIPMENT LAYOUT AND OTHER REQUIREMENTS.

2. SEE CIVIL SHEETS FOR SIDEWALK, ROAD PAVING AND FINISH GRADE ELEVATIONS.

3. SEE STRUCTURAL SHEETS FOR SIZE AND LOCATION OF CONCRETE PADS, TRENCHES, VAULTS, SUMPS, ETC.

4. SEE STRUCTURAL SHEETS FOR CONCRETE AND MASONRY REINFORCEMENT

5. PRE-ENGINEERED METAL BUILDING (PEMB) IS A DELEGATED DESIGN ITEM, AND AS SUCH, THE MANUFACTURER SHALL PROVIDE SHOP DRAWINGS OF PEMB MAJOR AND MINOR STRUCTURE, ROOF & WALL CLADDING, ROOF INSULATION, AND ALL ASSOCIATED ATTACHMENTS AND ACCESSORIES SIGNED & SEALED BY A NYS LICENSED ENGINEER FOR EOR REVIEW & APPROVAL. THE ARCHITECTURAL DESIGN DRAWINGS SHOW PEMB ELEMENTS FOR REFERENCE & COORDINATION ONLY.

6. PATCH AND REPAIR ANY MATERIALS OR SURFACES DAMAGED DURING THE CONSTRUCTION PROCESS TO MATCH THE EXISTING ADJACENT SURFACES.

7. ALL ITEMS TO BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.

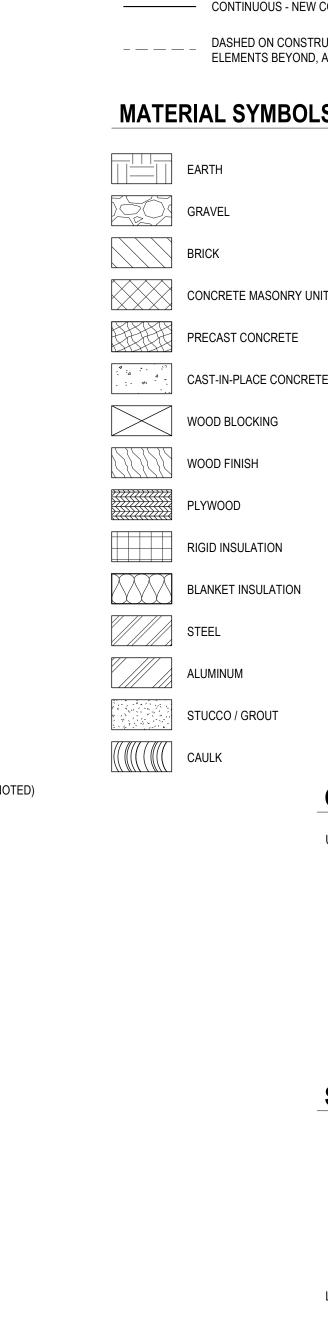
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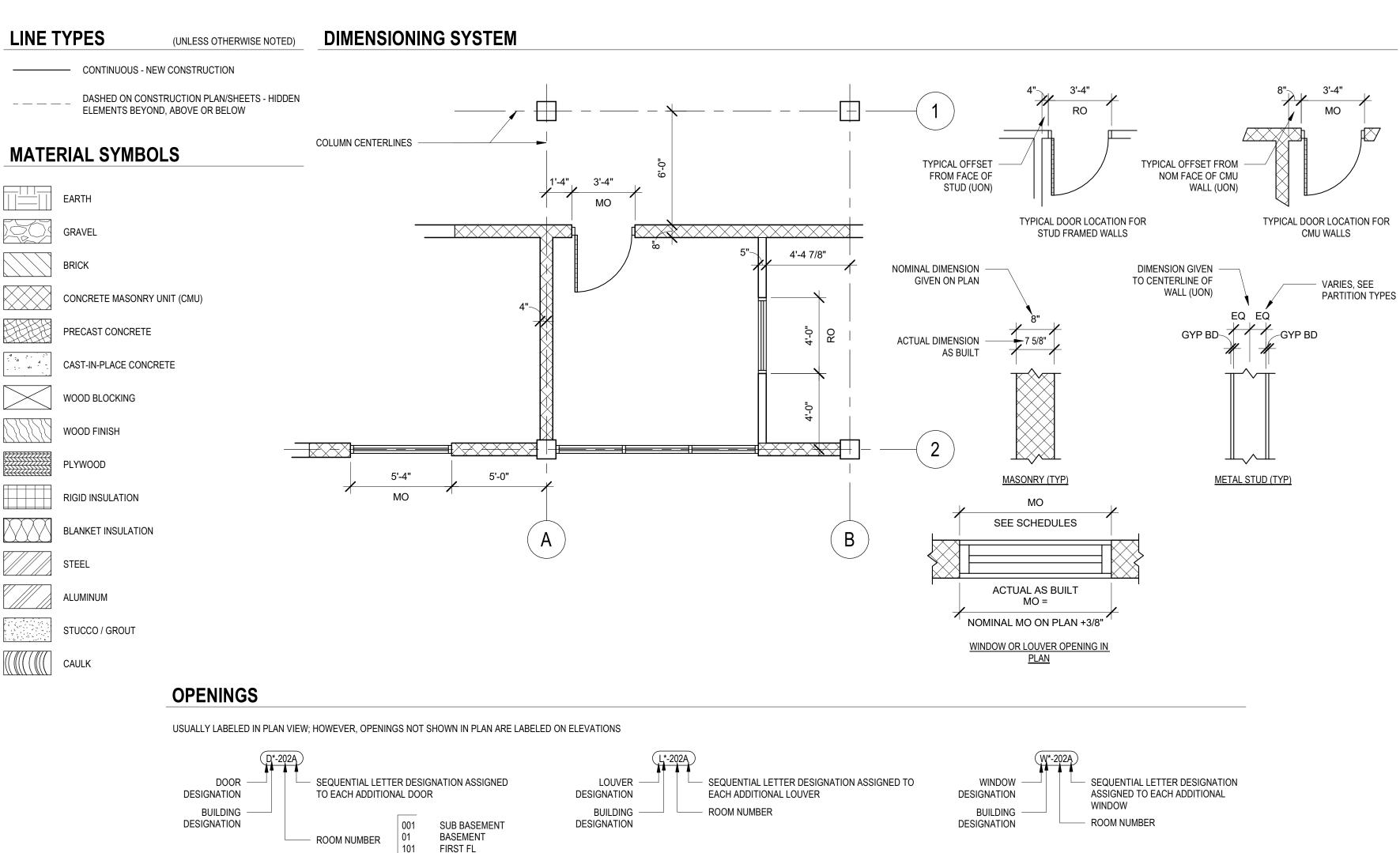
8. ALL JOINTS, VOIDS AND PENETRATIONS THROUGH FIRE-RATED WALL SYSTEMS ARE TO BE FILLED/SEALED WITH UL APPROVED FIRESAFING/FIRESTOPPING MATERIALS TO ACHIEVE THE REQUIRED FIRE-RATING (REFER TO CODE DRAWINGS FOR LOCATIONS).

9. DO NOT SCALE FROM THE DRAWINGS.

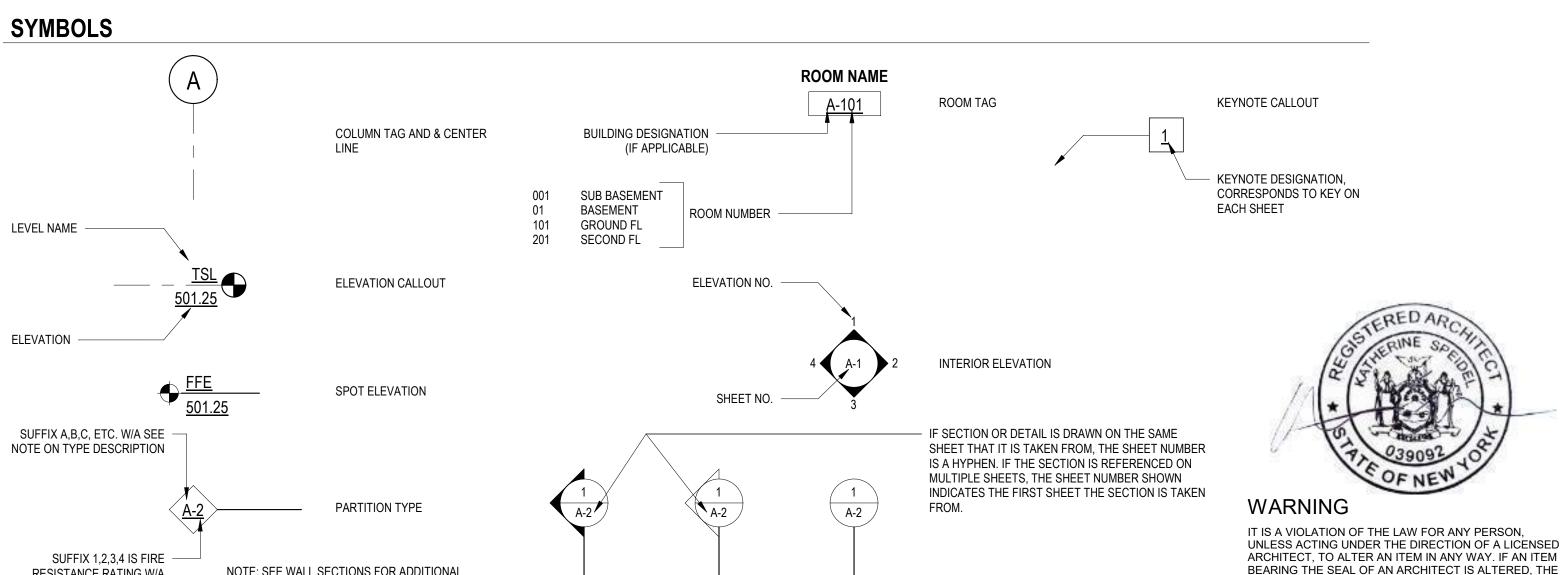
10. NOTIFY ARCHITECT IF CONSTRUCTION DOCUMENTS DIFFER FROM ACTUAL FIELD CONDITIONS PRIOR TO FABRICATION OR NEW CONSTRUCTION.

11. THIS DRAWING CONTAINS A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS. NOT ALL ITEMS SHOWN HERE APPEAR ON THE CONTRACT DRAWINGS.





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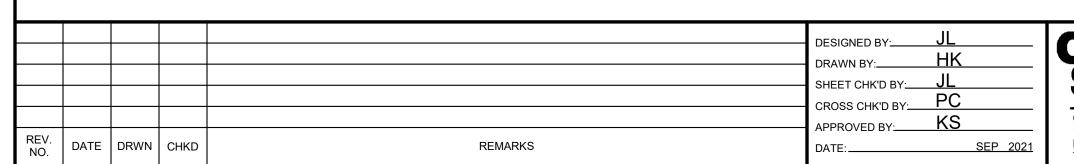
WALL SECTION

INDICATOR

DETAIL INDICATOR

BUILDING SECTION

INDICATOR





SUEZ WATER NEW YORK INC. WEST NYACK, NY

NOTE: SEE WALL SECTIONS FOR ADDITIONAL

REQUIREMENTS

RESISTANCE RATING W/A

SECOND FL

PFAS COMPLIANCE FOR GROUNDWATER WELLS PROJECT B AGREEMENT NO. 15806

ARCHITECTURAL **GENERAL NOTES** ABBREVIATIONS AND SYMBOLS PROJECT NO. 250917-257061 FILE NAME: SHEET NO.

A-001

ALTERING ARCHITECT SHALL AFFIX TO HIS ITEM THE

AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION,

EGRESS PLAN

GOVERNING CODES AND STANDARDS

- The new building is subject to all applicable Federal, State, and Local Codes and Standards including, but not limited to the following:

 A. 2020 Building Code of New York State (2020 NYBC; adopts with amendments 2018 IBC)

 - 2020 Fire Code of NYS (2020 NYSFC; adopts with amendments 2018 IFC)
 - 2020 New York State Energy Conservation Code (2020 NYSECC; adopts with amendments 2018 IECC)
 - National Fire Protection Association Life Safety Code (NFPA 101)
 - Underwriters Laboratory Inc.
 - F. Factory Mutual Approval
- OSHA exists is to ensure safe and healthful working conditions for workers by setting and enforcing standards and by providing training, outreach, education, and assistance. OSHA is part of the United States Department of Labor. Work areas of the new building are subject to the current version of the standards:
- OSHA 29 CFR 1910-Occupational Safety and Health Standards
- SUEZ Water New York Policies and Procedures
 - THE PROPOSED BUILDINGS SHALL HAVE AN OCCUPANCY CLASSIFICATION OF U UTILITY, IN ACCORDANCE WITH THE 2020 NYBC.

APPLICABLE STANDARDS

- INTERNATIONAL BUILDING CODE 2018
- NYS 2020 UNIFORM CODE
- NYS 2020 ENERGY CODE ANSI A117.1-2009 NFPA 70-2014 (NATIONAL ELECTRICAL CODE)
- ACI-318-2014

Code Compliance Summary SWNY PFAS Compliance Project B New York State Building Code

NS=BUILDING NOT SPRINKLERED, NA=NOT APPLICABLE, HR=HOURS, [F]=FIRE CODE REQUIREMENT ALSO, OL=OCCUPANCY LOAD, MAX=MAXIMUM, MIN=MINIMUM, SF=SQUARE FOOT, GSF=GROSS SQUARE FOOT

CODE ITEM	CODE REFERENCE	PROPOSED GAC BUILDING	
OCCUPANCY CLASSIFICATION AND USE	SECTION 312	GROUP U - UTILITY	,
CONSTRUCTION TYPE	TABLE 601	TYPE IIB	
BUILDING HEIGHT	SECTION 503 GENERAL BUILDING HEIGHT AND	ALLOWED	PROPOSED
AND AREA	AREA LIMITATIONS ABOVE GRADE PLANE, TABLE 504.3, 504.4, 506.2	2 STORIES 55'-0" HEIGHT 8,500 SF	1 STORY 29'-0" HEIGHT 1,120 SF

AND AREA	AREA LIMITATIONS ABOVE GRADE PLANE, TABLE 504.3, 504.4, 506.2	2 STORIES 55'-0" HEIGHT 8,500 SF	1 STORY 29'-0" HEIGHT 1,120 SF				
FIRE RESISTANCE RATING REQUIREMENTS							
BUILDING	TABLE 601 FIRE RESISTANCE RATINGS :	FIRE RATING (HOUR)					
ELEMENTS	IIB	ALLOWED	PROPOSED				
	PRIMARY STRUCTURAL FRAME	0	0				
	BEARING WALLS (EXTERIOR AND INTERIOR)	0	0				
	FLOOR CONSTRUCTION	0	0				
	ROOF CONSTRUCTION	0	0				
	NON BEARING WALLS (INTERIOR) EXTERIOR WALL	0	0				
	TABLE 602 FIRE SEPARATION DISTANCE (FT) 10 < X < 30	0	0				
OPENING	SECTION 715.4	REQUIRED	PROPOSED				
PROTECTIVES		None	None				
SEPARATION OF	TABLE 508.4	REQUIRED	PROPOSED				
OCCUPANCIES	(SINGLE OCCUPANCY)	None	None				
PARAPETS	SECTION 705.11	NOT REQUIRED	PROPOSED				
	EXCEPTIONS 1 : WALLS NOT REQUIRING FIRE RATING PER TABLE 602 FIRE SEPARATION DISTANCE	NO	NO (PROVIDING GUARDRAILS FOR FALL PREVENTION)				
PENETRAION	SECTION 713.3.1	REQUIRED	PROPOSED				
	SECTION 713.3.1	NA	NA				
	MEANS OF EGRESS REQUIREMENTS	S					
OCCUPANT LOAD	CHAPTER 10	ALLOWED	PROPOSED				
	TABLE 1004.1.1 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT: INDUSTRIAL AREA = 100 GROSS SQUARE FOOT	GROSS FL AREA = 1,120 GSF 1120/100=11.2 ->12 OCCUPANTS	ACTUAL 12 OCCUPANTS DURING MAINTENANCE SERVICE ONLY. BUILDING IS NON- OCCUPABLE AND IS UNMANNED.				
OPENING	1009.1 STAIRWAY	ALLOWED	PROPOSED				
PROTECTIVES	WIDTH = 36" WHEN OCCUPANT LOAD < 50	YES	YES				
	505.5 EQUIPMENT PLATFORMS 22" STAIR WIDTH	YES	YES				
	1011.5.2 RISER HEIGHT AND TREAD DEPTH RISER = 7" MAX, TREAD DEPTH = 11" MIN.	YES	YES				
ONE EXIT	TABLE 1021.2 STORIES WITH ON EXIT WHEN OCCUPANT LOAD < 50	YES	YES				
EXIT ACCESS TRAVEL DISTANCE	TABLE 1006.2.1 MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE OCCUPANCY U, OL <30 = 100 FT	YES	YES				
DOORS	1008.2 SIZE OF DOORS	REQUIRED 32" MIN	PROPOSED 36" MIN				
CORRIDOR	1018.5 NONPUBLIC AISLES SERVING <50 PEOPLE AND NOT REQUIRED TO BE ACCESSIBLE NEED NOT EXCEED 28 INCHES IN WIDTH	28" MIN	36" PREFERRED				
HANDRAIL	1012.2 HANDRAIL HEIGHT	REQUIRED 34" MIN, 38" MAX	PROPOSED 34"				
GUARDS	1013 GUARDS HEIGHT	REQUIRED	PROPOSED				
-		42"	42"				
ACCESSIBILITY	1103.2.9 EQUIPMENT SPACES SPACES FREQUENTED ONLY BY PERSONNEL FOR MAINTENANCE, REPAIR OR MONITORING OF EQUIPMENT ARE NOT REQUIRED TO BE ACCESSIBLE. SUCH SPACES INCLUDE WATER TREATMENT AREAS.	NO	NO				

LIGHING 1006.1 ILLUMINATION REQUIRED YES YES EXIT SIGNS SECTION 1011 1011.1 WHERE REQUIRED YES YES AUTOMATIC SPRINKLERS 903.2.11.1 ABOVE - OR BELOW - GRADE STORIES. OPENINGS ENTIRELY ABOVE THE ADJOINING GROUND LEVEL TOTALING AT LEAST 20 SF IN EACH 50 LINEAR FEET, OR FRACTION THEREOF, OF EXTERIOR WALLS FACING ONTO A STREET, PUBLIC WAY OR FRONTAGE SPACE, 903.2.11.1.3 BELOW - GRADE STORIES. WHERE ANY PORTION OF A BELOW -GRADE STORY IS LOCATED MORE THAN 75 FEET (22M 860 MM) FROM OPENINGS REQUIRED BY SECTION 903.2.11.1 PORTABLE FIRE EXTINGUISHER SECTION 907 FIRE ALARM AND DETECTION SYSTEMS OCCUPANCY GROUP U IS NOT LISTED IN THIS CODE SECTION.		LIFE SAFETY SYSTEM REQUIREMEN	TS	
AUTOMATIC SPRINKLERS 0903.2.11.1 ABOVE - OR BELOW - GRADE STORIES. OPENINGS ENTIRELY ABOVE THE ADJOINING GROUND LEVEL TOTALING AT LEAST 20 SF IN EACH 50 LINEAR FEET, OR FRACTION THEREOF, OF EXTERIOR WALLS FACING ONTO A STREET, PUBLIC WAY OR FRONTAGE SPACE, 903.2.11.1 3 BELOW - GRADE STORIES. WHERE ANY PORTION OF A BELOW -GRADE STORY IS LOCATED MORE THAN 75 FEET (22M 860 MM) FROM OPENINGS REQUIRED BY SECTION 903.2.11.1 PORTABLE FIRE EXTINGUISHER SECTION 907 FIRE ALARM AND DETECTION SYSTEMS OCCUPANCY GROUP U IS NOT LISTED IN THIS CODE SECTION. PANIC HARDWARE 1008.1.10 PANIC AND FIRE EXIT HARDWARE NO NO NO STRUCTURAL AND SEISMIC DESIGN LOADS	EMERGENCY LIGHING			
SPRINKLERS OPENINGS ENTIRELY ABOVE THE ADJOINING GROUND LEVEL TOTALING AT LEAST 20 SF IN EACH 50 LINEAR FEET, OF FRACTION THEREOF, OF EXTERIOR WALLS FACING ONTO A STREET, PUBLIC WAY OR FRONTAGE SPACE, 903.2.11.1.3 BELOW - GRADE STORIES. WHERE ANY PORTION OF A BELOW -GRADE STORY IS LOCATED MORE THAN 75 FEET (22M 860 MM) FROM OPENINGS REQUIRED BY SECTION 903.2.11.1 PORTABLE FIRE EXTINGUISHER FIRE ALARM SECTION 907 FIRE ALARM AND DETECTION SYSTEMS OCCUPANCY GROUP U IS NOT LISTED IN THIS CODE SECTION. PANIC HARDWARE 1008.1.10 PANIC AND FIRE EXIT HARDWARE NO NO STRUCTURAL AND SEISMIC DESIGN LOADS	EXIT SIGNS		YES	YES
FIRE ALARM SECTION 907 FIRE ALARM AND DETECTION SYSTEMS OCCUPANCY GROUP U IS NOT LISTED IN THIS CODE SECTION. PANIC HARDWARE 1008.1.10 PANIC AND FIRE EXIT HARDWARE NO NO NO NO NO NO NO NO	AUTOMATIC SPRINKLERS	OPENINGS ENTIRELY ABOVE THE ADJOINING GROUND LEVEL TOTALING AT LEAST 20 SF IN EACH 50 LINEAR FEET, OR FRACTION THEREOF, OF EXTERIOR WALLS FACING ONTO A STREET, PUBLIC WAY OR FRONTAGE SPACE, 903.2.11.1.3 BELOW - GRADE STORIES. WHERE ANY PORTION OF A BELOW -GRADE STORY IS LOCATED MORE THAN 75 FEET (22M 860 MM) FROM OPENINGS REQUIRED BY	- OPENINGS PROVIDED PER 903.2.11.1 - NO SPACES	NO
SYSTEMS OCCUPANCY GROUP U IS NOT LISTED IN THIS CODE SECTION. PANIC HARDWARE 1008.1.10 PANIC AND FIRE EXIT HARDWARE STRUCTURAL AND SEISMIC DESIGN LOADS	PORTABLE FIRE EXTINGUISHER	SECTION 906	YES	YES
1008.1.10 PANIC AND FIRE EXIT HARDWARE NO NO STRUCTURAL AND SEISMIC DESIGN LOADS	FIRE ALARM	SYSTEMS OCCUPANCY GROUP U IS NOT LISTED IN THIS	NO	NO
	PANIC HARDWARE	1008.1.10 PANIC AND FIRE EXIT HARDWARE	NO	NO
SEE STRUCTURAL DRAWINGS		STRUCTURAL AND SEISMIC DESIGN LO	DADS	
		SEE STRUCTURAL DRAWINGS		

NEW YORK STATE ENERGY CODE 2020 (EQUIPMENT BUILDING EXCEPTION UNDER EVALUATION)						
CODE REFERENCE	CLIMATE ZONE	, and the second				
TABLE C402.1.3	ZONE 5	REQUIRED	PROPOSED			
ROOF	INSULATED UNDERSIDE OF ROOF DECK	R-19+R11LS	R-19+R11LS			
WALLS, ABOVE GRADE	MASS (FIRST 4'), METAL (UPPER)	R-11.4ci, R-13+13ci	R-11.4ci, R-13+13ci			
WALLS, BELOW GRADE	BELOW-GRADE WALL	R-7.5 ci	R-7.5 ci			
TABLE C402.2 VERTICAL FENESTRATION	ENTRANCE DOOR	U-0.77	U-0.77			

C402.1.1 LOW-ENERGY BUILDINGS

THE FOLLOWING LOW-ENERGY BUILDINGS, OR PORTIONS THEREOF SEPARATED FROM THE REMAINDER OF THE BUILDING BY BUILDING THERMAL ENVELOPE ASSEMBLIES COMPLYING WITH THIS SECTION, SHALL BE EXEMPT FROM THE BUILDING THERMAL ENVELOPE PROVISIONS OF SECTION C402.

- 1. THOSE WITH A PEAK DESIGN RATE OF ENERGY USAGE LESS THAN 3.4 BTU/H * FT2(10.7W/M2) OR 1.0 WATT PER SQUARE FOOT (10.7 W/M2) OF FLOOR AREA FOR SPACE CONDITIONING PURPOSES.
- THOSE THAT DO NOT CONTAIN CONDITIONED SPACE.
- GREENHOUSES.



WARNING

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					DESIGNED BY:	JL	
					DRAWN BY:	HK	•
					SHEET CHK'D BY:	JL	ı
					CROSS CHK'D BY:	PC	ı
					APPROVED BY:	KS	ı
REV. NO.	DATE	DRWN	CHKD	REMARKS	DATE:	SEP 2021	



Latham, NY 12100

Tel:(518) 782-4500



SUEZ WATER NEW YORK INC. WEST NYACK, NY

PFAS COMPLIANCE FOR GROUNDWATER WELLS PROJECT B AGREEMENT NO. 15806

ARCHITECTURAL

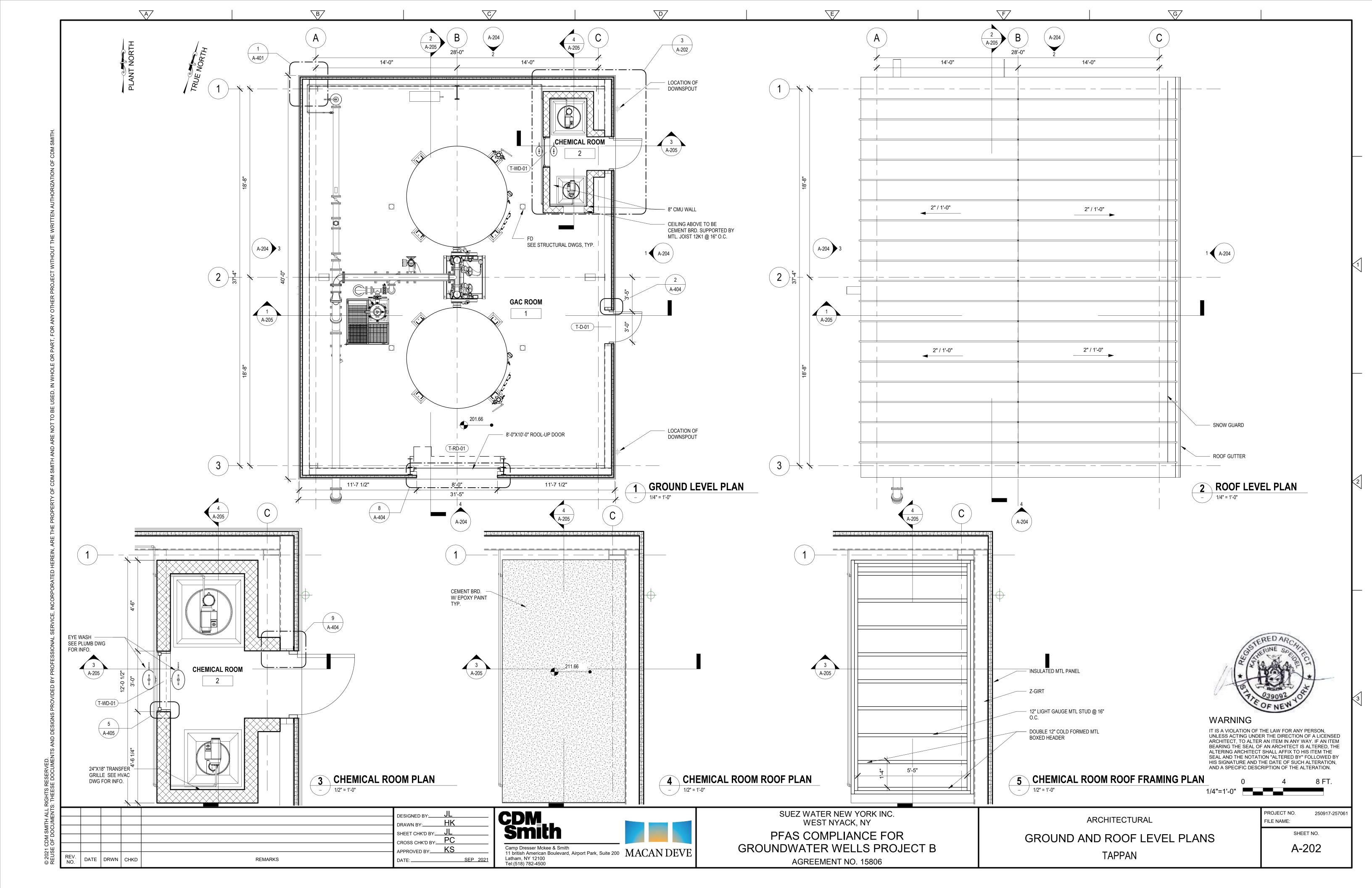
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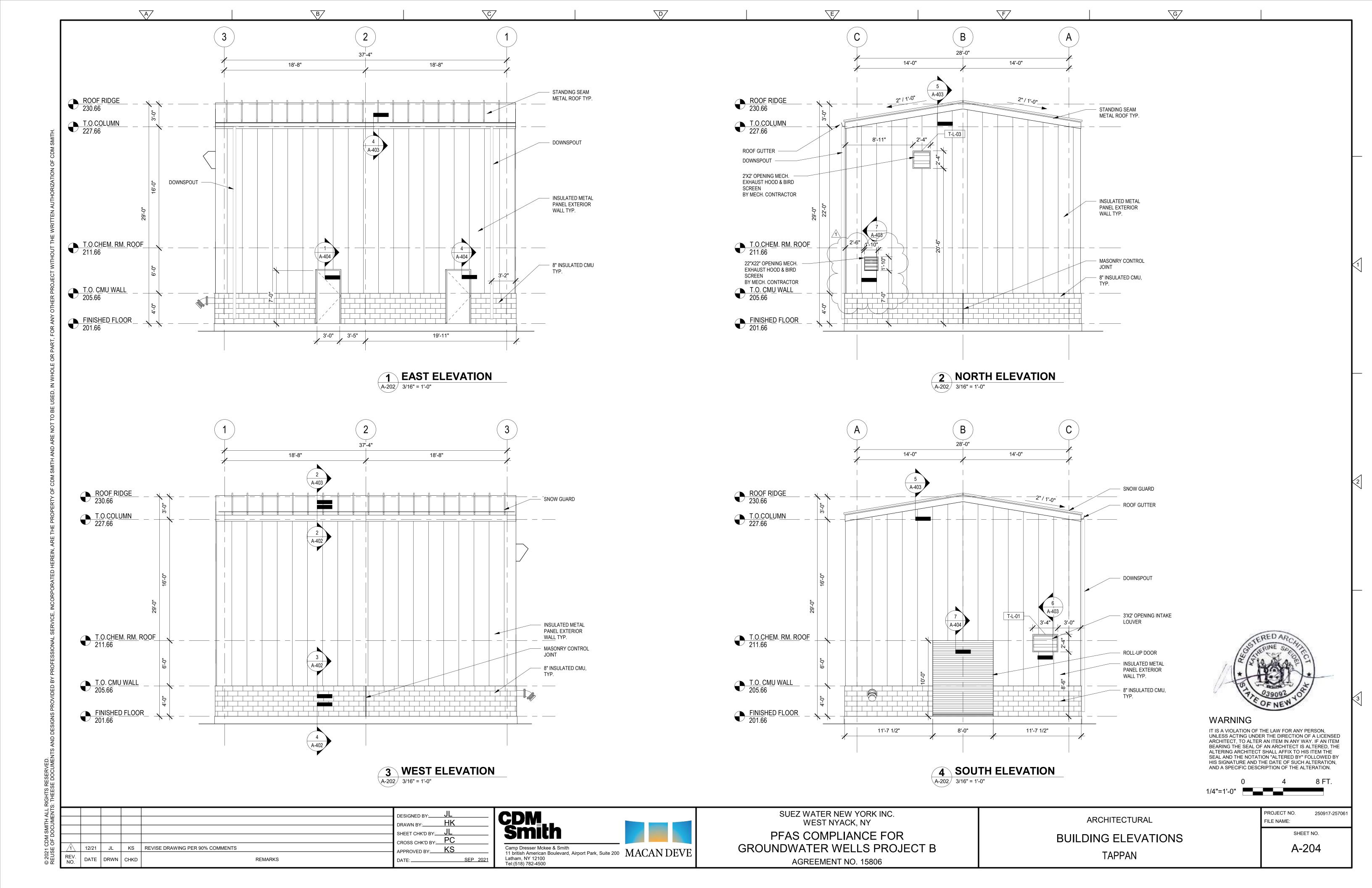
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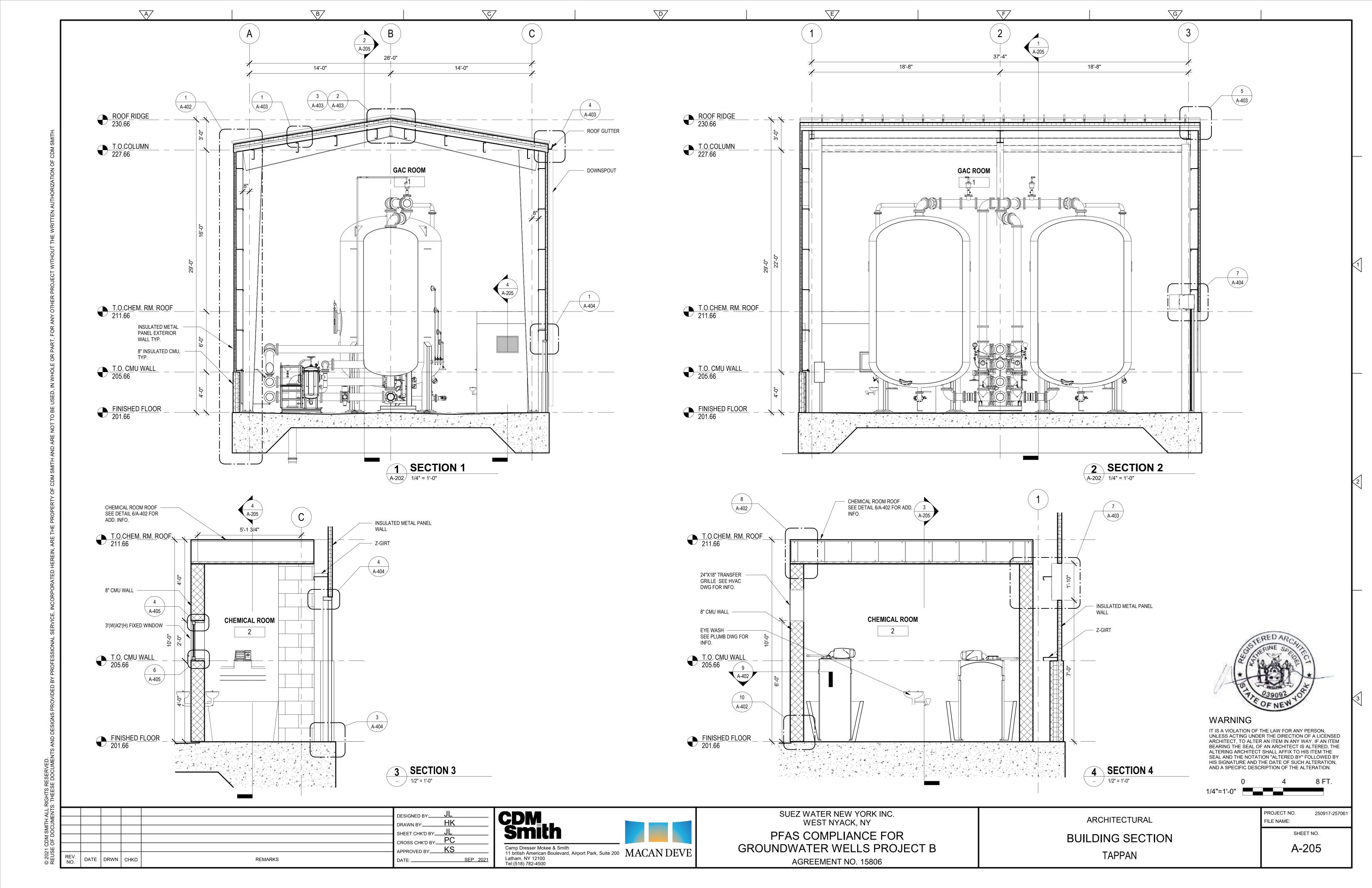
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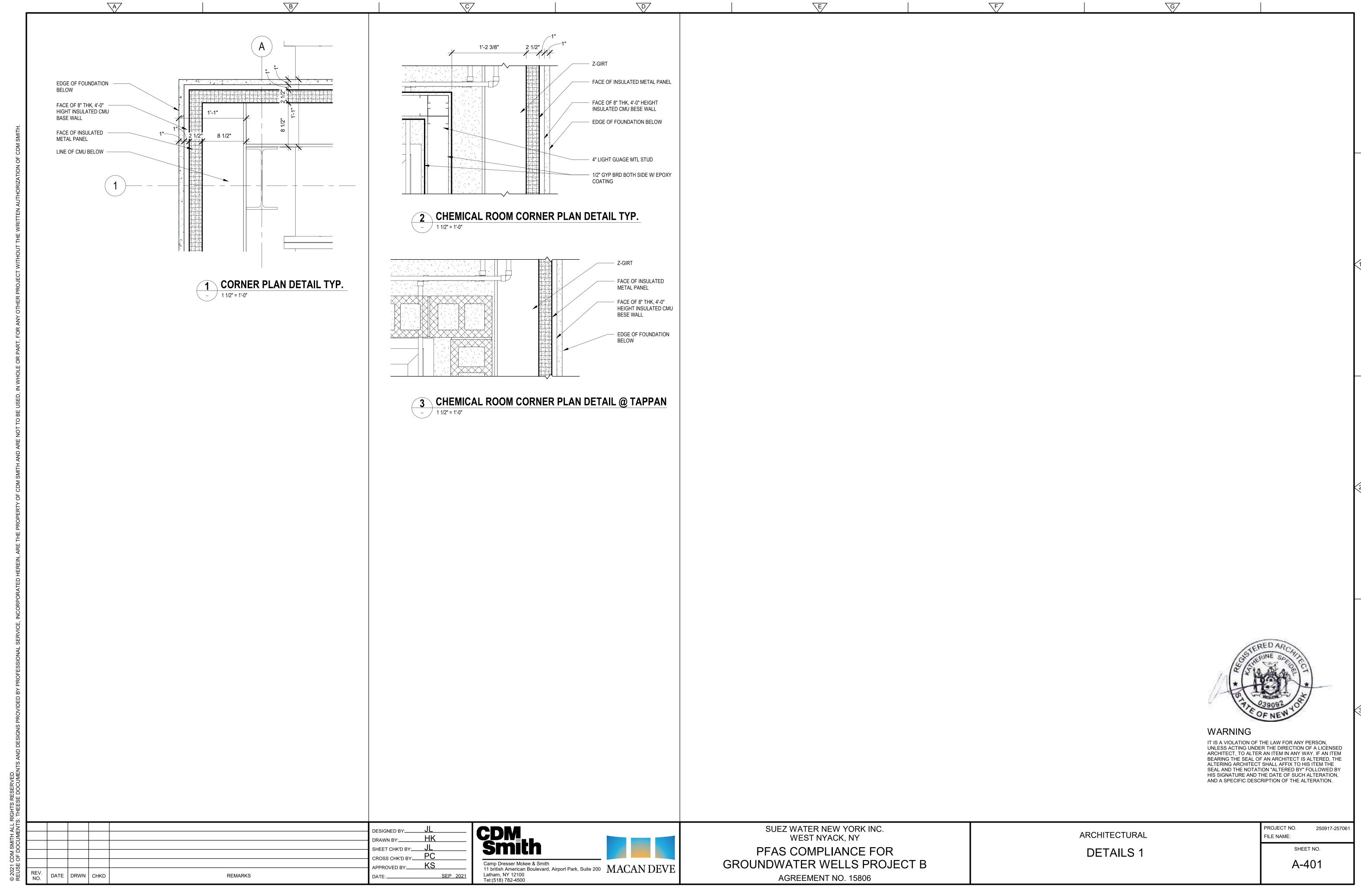
PROJECT NO.

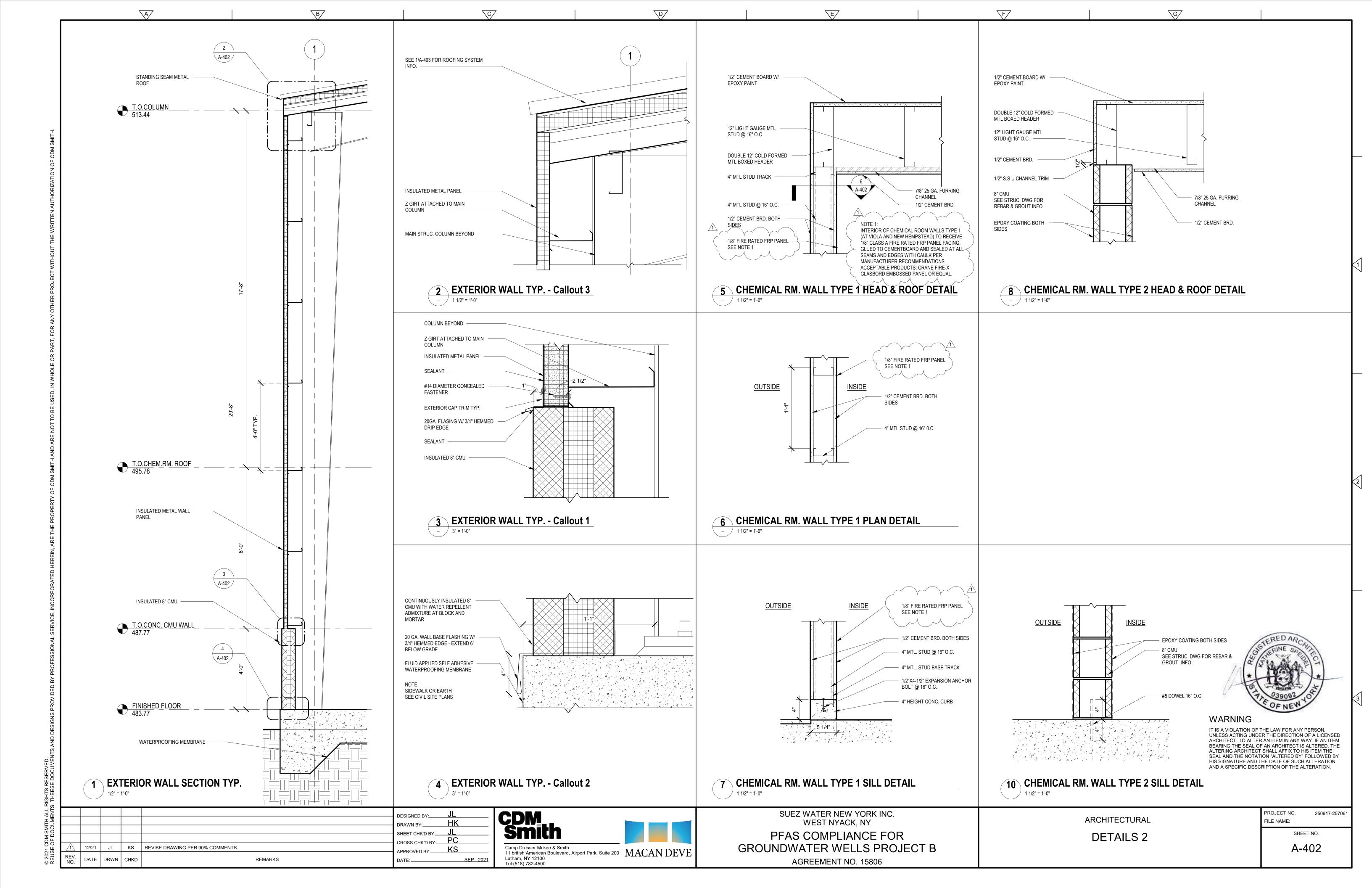
CODE COMPLIANCE AND EGRESS PLAN A-201

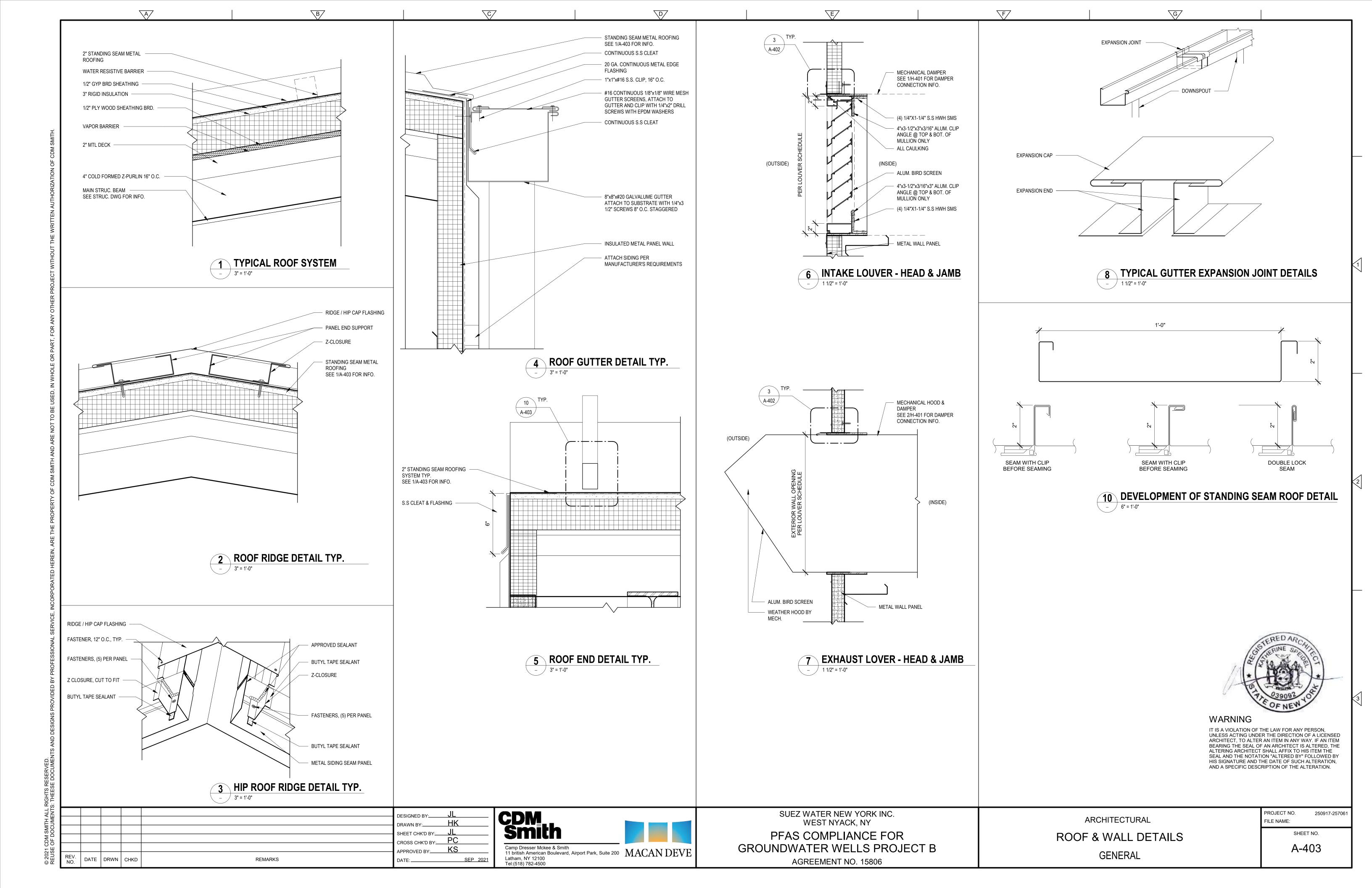


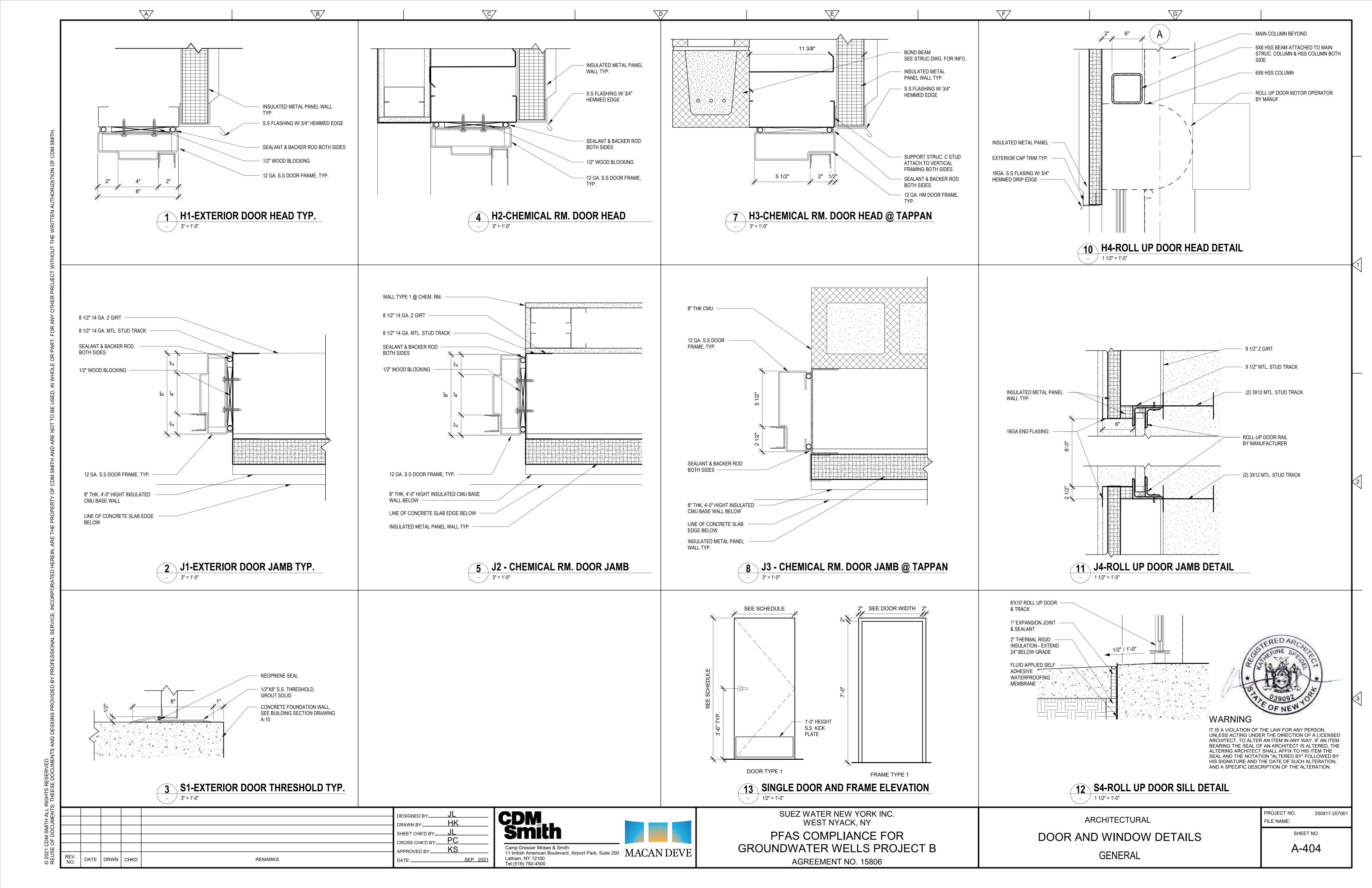


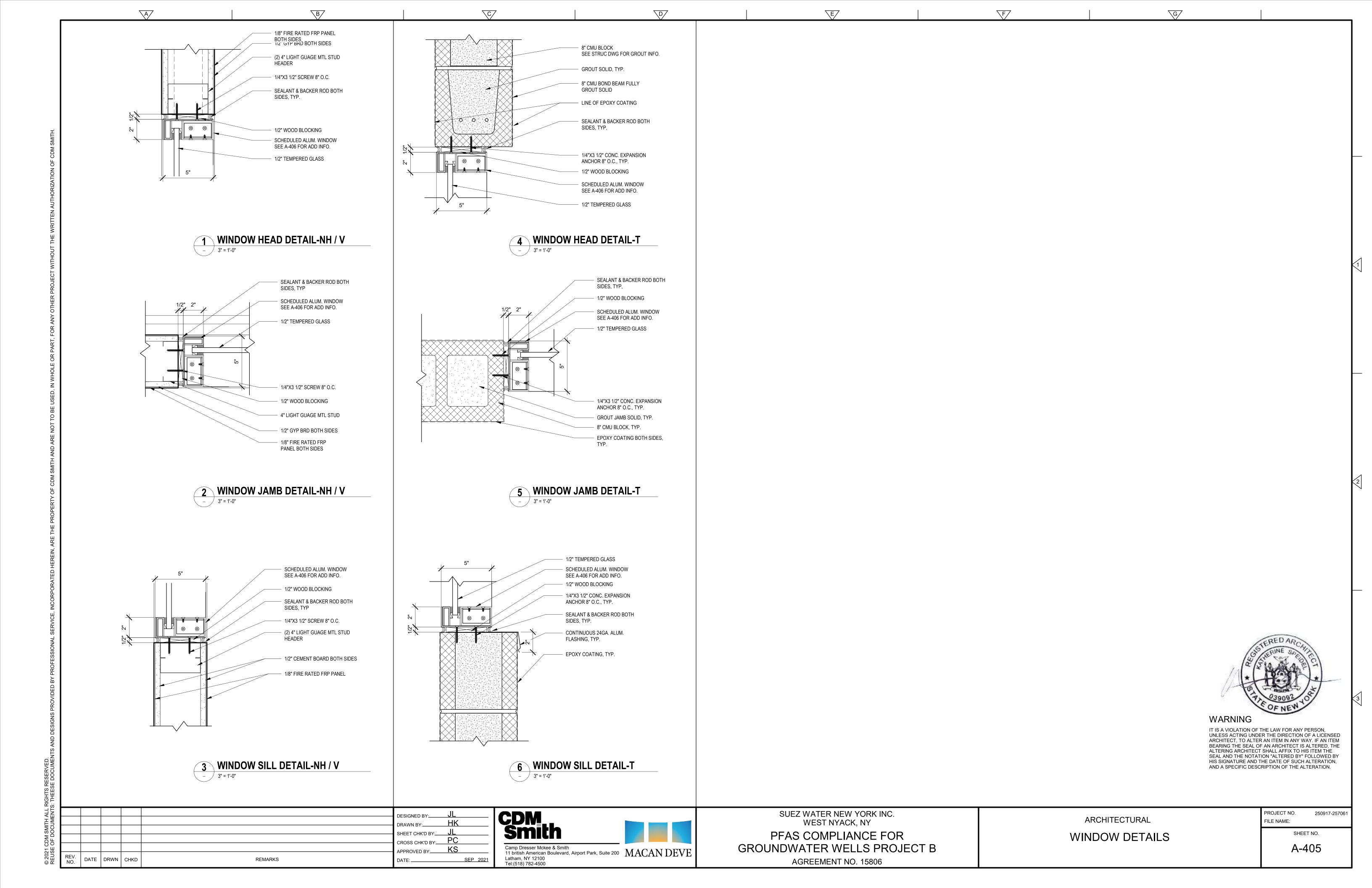












HAR	DWARE SET 1			
QTY.	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
3	HINGES	McKINNEY	TA2314	STAINLESS STEEL
1	CLOSER	LCN	5015 SERIES	INSTALL PUSH SIDE, EXT. DOOR
1	PULL DEVICE	STANLEY	1700A	GC TO SUBMIT GRIP STYLE FOR APPROVAL
1	EXIT DEVICE	STANLEY	APEX 2000 SERIES	
1	DOME FLOOR STOP	IVES	FS 17	IF NECESSARY AT CONC. STEP
3	SILENCER	IVES	SR 64	

WINDOW S	CHEDULE					
	WINDOW NO.	SILL HEIGHT	SIZE		MATERIAL	DEMARK
BUILDING			WIDTH	HEIGHT	MATERIAL	REMARK
NEW	NH-W-01	4'-0"	3'-0"	2'-0"	1/4" TEMPERED GLASS	
HEMPSTEAD						
TAPPAN	T-W-01	4'-0"	3'-0"	2'-0"	1/4" TEMPERED GLASS	
VIOLA	V-W-01	4'-0"	3'-0"	2'-0"	1/4" TEMPERED GLASS	

LOUVER SCHEDULE						
DI III DING	LOUNED NO	SIZE		DEMARK		
BUILDING	LOUVER NO.	WIDTH	HEIGHT	REMARK		
NEW	NH-L-01	3'-4"	2'-4"	INTAKE		
HEMPSTEAD	NH-L-02	3'-4"	2'-4"	INTAKE		
	NH-L-03	1'-10"	1'-10"	EXHAUST		
	NH-L-04	2'-4"	2'-4"	EXHAUST		
	NH-L-05	2'-4"	2'-4"	EXHAUST		
TAPPAN	T-L-01	3'-4"	2'-4"	INTAKE		
	T-L-02	1'-10"	1'-10"	EXHAUST		
	T-L-03	2'-4"	2'-4"	EXHAUST		
VIOLA	V-L-01	3'-4"	2'-4"	INTAKE		
	V-L-02	3'-4"	2'-4"	INTAKE		
	V-L-03	1'-10"	1'-10"	EXHAUST		
	V-L-04	2'-4"	2'-4"	EXHAUST		
	V-L-05	2'-4"	2'-4"	EXHAUST		

FINISH SCI	HEDULE		
AREA		AREA FLOOR FINISH	
NEW MAIN GAC AREA HEMPSTEAD		FINE BROOM FINISH WITH CONCRETE SEALER	N/A
	CHEMICAL STORAGE ROOM	FINE BROOM FINISH WITH EPOXY COATING	CMU WALLS: EPOXY COATING CEMENTBOARD WALLS: FRP PANEL
TAPPAN	MAIN GAC AREA	FINE BROOM FINISH WITH CONCRETE SEALER	N/A
	CHEMICAL STORAGE ROOM	FINE BROOM FINISH WITH EPOXY COATING	CMU WALLS: EPOXY COATING CEMENTBOARD WALLS: FRP PANEL
VIOLA	MAIN GAC AREA	FINE BROOM FINISH WITH CONCRETE SEALER	N/A
	CHEMICAL STORAGE ROOM	FINE BROOM FINISH WITH EPOXY COATING	CMU WALLS: EPOXY COATING CEMENTBOARD WALLS: FRP PANEL

					DESIGNED BY: JL	
					DRAWN BY: HK	
					SHEET CHK'D BY: JL	
					CROSS CHK'D BY: PC	
1	12/21	JL	KS	REVISE DRAWING PER 90% COMMENTS	APPROVED BY: KS	
REV.	DATE	DRWN	CHKD	REMARKS		P 2021



Latham, NY 12100

Tel:(518) 782-4500



SUEZ WATER NEW YORK INC. WEST NYACK, NY

PFAS COMPLIANCE FOR GROUNDWATER WELLS PROJECT B AGREEMENT NO. 15806

SCHEDULES AND SIGNAGE **GENERAL**

PROJECT NO.	250917-25706
FILE NAME:	
SHE	ET NO

ARCHITECTURAL A-406

WARNING

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AND A SPECIFIC DESCRIPTION OF THE ALTERATION.