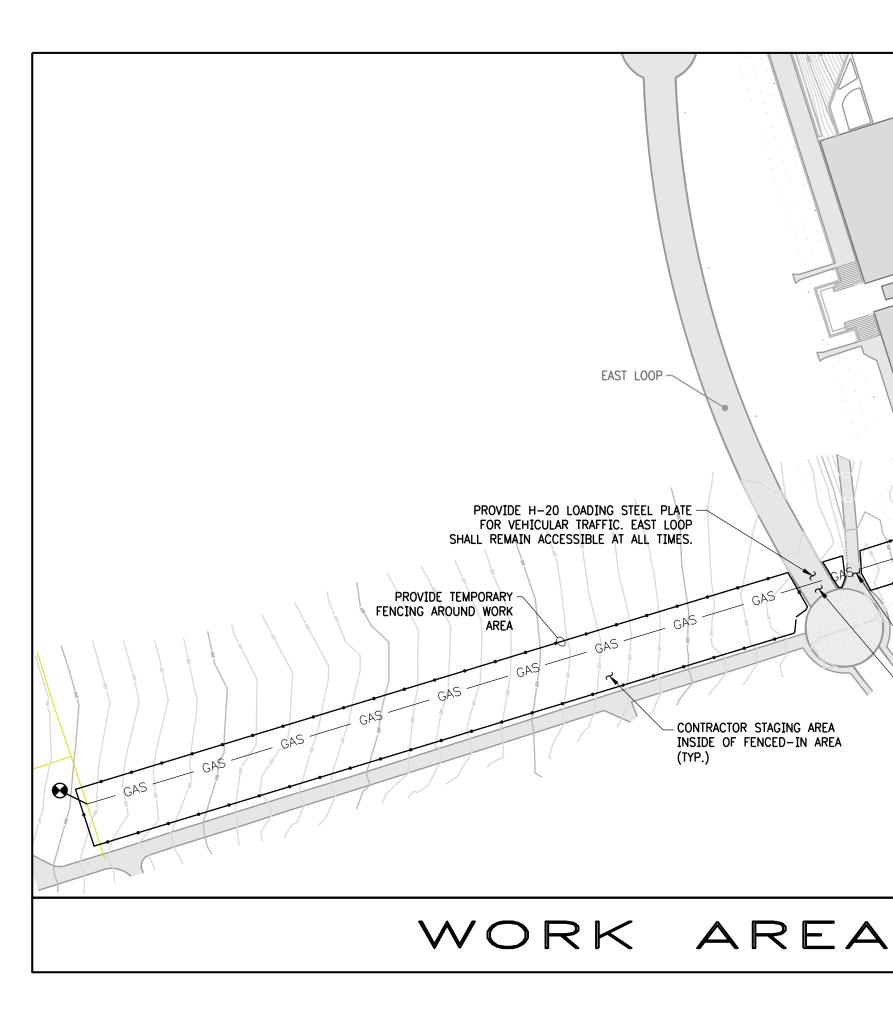


Copyright O'Brien & Gere Engineers, Inc

# <u>GENERAL NOTES</u>

- THE CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS BEFORE STARTING WORK. EQUIPMENT DIMENSIONAL INFORMATION IS PRESENTED FOR
- REFERENCE ONLY. DIMENSIONS MAY VARY ACCORDING TO THE EQUIPMENT MANUFACTURER SELECTED AND FIELD VARIATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ANY DIMENSIONAL VARIATIONS BETWEEN THESE CONSTRUCTION DOCUMENTS AND THE AS-DELIVERED EQUIPMENT.
- 4. THE CONTRACTOR IS RESPONSIBLE TO CONFIRM AND COORDINATE JOBSITE DIMENSIONS THAT AFFECT THE ERECTION OR OPERATION OF SYSTEMS, AS INTENDED BY THESE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL ENSURE INSTALLED EQUIPMENT MAINTAINS ADEQUATE CLEARANCES FOR OPERATIONAL ACCESS AND SERVICE, AND SHALL MAINTAIN ANY CLEARANCES REQUIRED BY ALL APPLICABLE CODES.
- 5. THE CONTRACTOR SHALL INFORM THE OWNER/ENGINEER OF ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS THAT AFFECT THE WORK DESCRIBED HEREIN.
- 6. IF, DURING THE COURSE OF CONSTRUCTION, A CONDITION EXISTS WHICH DISAGREES OR CONFLICTS WITH THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. IF THE CONTRACTOR FAILS TO FOLLOW THIS PROCEDURE, HE SHALL ASSUME ALL RESPONSIBILITY AND LIABILITY ARISING THEREOF.
- THESE CONTRACT DOCUMENTS ARE INTENDED TO INDICATE THE WORK NEEDED TO PROVIDE A COMPLETE AND READY-FOR-OPERATION INSTALLATION. THESE DOCUMENTS ARE INTENDED TO GUIDE THE CONTRACTOR. THESE DOCUMENTS ARE NOT INTENDED TO SHOW EVERY DETAIL OF THE EXISTING CONDITIONS OR NEW INSTALLATIONS. NOR DO THEY DESCRIBE EVERY FITTING REQUIRED FOR THE INSTALLATION OF THE WORK.
- 8. "PROVIDE" SHALL MEAN "FURNISH AND INSTALL" AND SHALL INCLUDE ALL EQUIPMENT, DEVICES, HARDWARE, MOUNTS, LABOR, RIGGING, SUBCONTRACTS, ETC., THAT RESULT IN A COMPLETE AND FUNCTIONAL JOB.
- 9. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT, ACCESSORIES, SUPPORTS, FITTINGS, AND ALL OTHER INCIDENTAL MATERIAL NEEDED FOR THE COMPLETE AND OPERATING INSTALLATION. MINOR ITEMS TO FINISH THE WORK SUCH AS PATCHING. BLOCKING. TRIM. TOUCH-UP PAINT, ETC., SHALL BE PROVIDED WHETHER OR NOT INDICATED IN THE CONTRACT DOCUMENTS.
- 10. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO ASSEMBLE LOOSE EQUIPMENT AND PARTS AS SHIPPED BY THE EQUIPMENT MANUFACTURERS FOR ALL OWNER-FURNISHED EQUIPMENT.
- 11. THE CONTRACTOR'S BID SHALL BE BASED ON THE EQUIPMENT LISTED IN THESE CONTRACT DOCUMENTS. SHOULD THE CONTRACTOR WISH TO SUBSTITUTE ALTERNATE EQUIPMENT, HE SHALL LIST SUCH ALTERNATES DURING THE BIDDING PROCESS AND HE SHALL LIST THE AMOUNT OF MONEY TO BE ADDED OR DEDUCTED FROM HIS PRICE. FINAL APPROVAL FOR SUBSTITUTES SHALL BE OBTAINED FROM THE CONSTRUCTION MANAGER PRIOR TO PROCURING THE EQUIPMENT. IF THE CONTRACTOR NAMES NO SUBSTITUTES WITH HIS BID, THE EQUIPMENT INDICATED IN THESE DRAWINGS OR SPECIFICATIONS SHALL BE USED.
- 12. THE CONTRACTOR SHALL ASSUME ALL COSTS ASSOCIATED WITH PROVIDING SUBSTITUTES. "SUBSTITUTES" SHALL INCLUDE ACCEPTABLE ALTERNATES, ALTERNATES TO THE SCOPE OF WORK, OR ANY MODIFICATIONS THAT DEVIATE FROM THE BASE-BID DESIGN. THE ASSOCIATED COSTS SHALL INCLUDE, BUT ARE NOT LIMITED TO REDESIGN & ENGINEERING COSTS. CHANGES CAUSED 1 INTERRELATED SYSTEMS SUCH AS ELECTRICAL COMPONENTS, WIRING, AND CONNECTIONS, CHANGES TO MOUNTING SYSTEMS OR STRUCTURES, REROUTING OF INTERFERENCES, ETC.
- 13. SIGNIFICANT SUBSTITUTIONS PROPOSED BY THE CONTRACTOR MAY REQUIRE SUBMISSIONS OF STRESS OR SAFETY ANALYSES SEALED BY A REGISTERED PROFESSIONAL ENGINEER AT THE DISCRETION OF THE OWNER'S REPRESENTATIVE AND AT NO COST TO THE OWNER.



- 14 THE CONTRACTOR SHALL GIVE NOTICES, OBTAIN ALL PERMITS, PAY ALL FEES AND COMPLY WITH ALL LAWS, RULES AND REGULATIONS APPLICABLE TO THE WORK. THE CONTRACTOR SHALL USE SHOP SUBMITTALS FOR FINAL
- COORDINATION OF HIS WORK. THE CONTRACTOR SHALL SUBMIT EQUIPMENT INFORMATION, SHOP DRAWINGS AND A CONSTRUCTION SCHEDULE TO THE OWNER FOR
- APPROVAL BEFORE STARTING ANY WORK OR PURCHASING ANY EQUIPMENT. ALL MATERIALS PROVIDED SHALL BE NEW AND FREE FROM ANY DEFECT. SALVAGED OR REBUILT EQUIPMENT SHALL NOT BE
- PERMITTED. ALL MATERIALS, PIPING, ETC., SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, AND ALL LOCAL AND NATIONALLY RECOGNIZED STANDARDS, SUCH AS NFPA, NEC, ASTM, UL, ETC., AS EXAMPLES.
- THE CONTRACTOR SHALL ENSURE COORDINATION SO THAT ONCE THE 10 PROJECT IS STARTED, IT SHALL CONTINUE WITHOUT DELAY UNTIL COMPLETION.
- 20. THE CONTRACTOR IS RESPONSIBLE FOR THE WORK OF ALL HIS SUBCONTRACTORS, AND THEIR CONFORMANCE TO THESE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER CONTRACTORS AND THE OWNER'S REPRESENTATIVE. 22. THE CONTRACTOR SHALL PROVIDE NOTIFICATION AND OPPORTUNITY FOR INSPECTION TO THE OWNER BEFORE CLOSING UP ANY WORK,
- EQUIPMENT, OR PIPING SYSTEM. 23. THE CONTRACTOR SHALL PROVIDE ALL BUILDING MODIFICATIONS AND CONSEQUENTIAL REPAIRS TO THE BUILDING FOR RIGGING, INSTALLATION OF EGRESSES, INSTALLATION OF VENTS, ETC., AS REQUIRED TO PERFORM THIS WORK.
- 24. THE CONTRACTOR SHALL PERFORM ALL ACCEPTANCE TESTS IN THE PRESENCE OF THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL MAINTAIN THE WORK AREA IN A STATE 25. FREE FROM HAZARDS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, FOLLOW SAFE WORKING PRACTICES, AND MAINTAIN THE SITE AND ADJACENT AREAS SAFE FOR WORKERS, INSPECTORS, AND FACILITY EMPLOYEES. 26. SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE
- CONTRACTOR. 27. THE OWNER'S REPRESENTATIVE DOES NOT PROFESS TO BE FAMILIAR WITH CONSTRUCTION SITE SAFETY REQUIREMENTS. MEETING SITE SAFETY AND OSHA REQUIREMENTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO RETAIN A THIRD PARTY CONSULTANT IF HE OBSERVES PRACTICES THAT APPEAR UNSAFE.
- IF THE OWNER'S REPRESENTATIVE DEEMS THAT ANY UNSAFE CONDITION APPEARS TO EXIST, THE OWNER HAS THE RIGHT TO STOP ALL WORK. ANY STOP-WORK ORDERS BY THE OWNER BECAUSE OF POTENTIALLY UNSAFE CONDITIONS SHALL NOT BE USED BY THE CONTRACTOR TO DELAY THE WORK SCHEDULE, INCREASE THE CONTRACT VALUE, OR AVOID ANY LIQUIDATED-DAMAGE PENALTIES ASSOCIATED WITH THE WORK OR TO MAKE A CLAIM AGAINST THE OWNER OR CONSTRUCTION MANAGER.
- THE OWNER REQUIRES ACCESS TO AND AROUND AREAS OF THE 29. BUILDING IMMEDIATELY ADJACENT TO AREAS OF THE WORK. ALL WORK MUST BE CONDUCTED IN A MANNER TO MINIMIZE DISRUPTION OF NORMAL FACILITY OPERATIONS.
- SAFE AND DIRECT ENTRANCE TO AND FROM THE EXISTING BUILDING SHALL BE MAINTAINED AT ALL TIMES WHILE CONSTRUCTION IS IN PROGRESS.

EAST LOOP -

CONTRACTOR STAGING AREA

INSIDE OF FENCED-IN AREA

(TYP.)

- ALL CONSTRUCTION MATERIALS AND TOOLS SHALL BE STORED IN AREAS DESIGNATED BY THE OWNER. THE OWNER SHALL NOT BE RESPONSIBLE FOR ANY OF THE CONTRACTOR'S SHIPPING. DELIVERY OR SECURITY ISSUES RELATED TO MATERIALS, EQUIPMENT, OR TOOL STORAGE.
- THE CONTRACTOR SHALL LEAVE THE SITE IN A NEAT, ORDERLY AND 32. SAFE CONDITION AT THE END OF EACH WORK DAY. THE SITE AND BUILDING SHALL BE MADE AS SECURE AS POSSIBLE SO AS TO PREVENT UNAUTHORIZED ENTRY AND ACTIVITY. ATTENTION SHALL BE GIVEN TO WEATHER PROTECTION, INCLUDING UNCONDITIONED AIR INFILTRATION DURING THE CONSTRUCTION PERIOD.
- ALL DEMOLISHED MATERIALS, UNLESS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
- DISPOSAL OF ALL MATERIALS SHALL BE DONE BY THE CONTRACTOR IN ACCORDANCE WITH STATE & LOCAL REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN THE RECORDS OF PROPER DISPOSAL, WHICH SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE UPON HIS REQUEST.
- THE OWNER SHALL HAVE THE RIGHT AT ALL TIMES TO EXAMINE THE WORK AND DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS AND INTENT OF THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL COMPLETE ALL WORK WITH MINIMAL 36. DISRUPTION OF THE FACILITY'S UTILITIES AND OPERATIONS. ANY WORK REQUIRING A SHUTDOWN OF ANY UTILITIES SHALL BE SCHEDULED 3 DAYS IN ADVANCE. ALL OUTAGES SHALL BE COORDINATED WITH THE FACILITY.
- THE FACILITY OPERATES THROUGHOUT THE ENTIRE YEAR. ALL SHUTDOWNS THAT REQUIRE THE LOSS OF UTILITIES TO THE FACILITY SHALL BE LIMITED TO PERIODS & DURATIONS AS SPECIFIED BY THE FACILITY. THE CONTRACTOR'S BID SHALL ANTICIPATE AND INCLUDE THE NECESSARY WEEKEND/MIDNIGHT PREMIUM TIME TO ACCOMPLISH ALL SHUTDOWN WORK WITHIN THE LIMITATIONS OF MAINTAINING CONTINUOUS SERVICE TO THE FACILITY.
- THE CONTRACTOR SHALL MAINTAIN AWARENESS OF THE FACILITY'S SHUTDOWN RESTRICTIONS AND LIMITATIONS. ANY WORK-SCHEDULING PROBLEMS CAUSED BY SHUTDOWN RESTRICTIONS BY THE FACILITY SHALL NOT BE CAUSE FOR CLAIM OR DELAY BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE THE NECESSARY LABOR INCLUDING ANY PREMIUM-TIME AND OVERTIME LABOR REQUIRED TO MAINTAIN THE CONSTRUCTION SCHEDULE.
- 40. ALL WIRE, CABLE, TRANSFORMER WINDINGS, ETC. SHALL BE COPPER. ALL STRUCTURAL STEEL, PIPING, REINFORCING STEEL, OR OTHER 41. MAJOR STEEL ITEMS TO BE INCORPORATED IN THE WORK SHALL BE PRODUCED OR MADE IN WHOLE OR SUBSTANTIAL PART IN THE UNITED STATES, ITS TERRITORIES OR POSSESSIONS.
- 42. ALL WORK AND EQUIPMENT SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM DATE OF FINAL PAYMENT AND ACCEPTANCE UNLESS OTHERWISE STATED IN THE SPECIFICATIONS.
- ALL WORK SHALL CONFORM TO NEW YORK STATE BUILDING CONSTRUCTION CODE, THE N.Y.S. ENERGY CONSERVATION CONSTRUCTION CODE AND ALL LOCAL CODES, RULES, REGULATIONS AND ZONING LAWS.
- 44. IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON, UNLESS ACTING UNDER DIRECTION OF THE LICENSED ENGINEER, TO ALTER THESE PLANS IN ANY WAY.
- THESE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED THE ENGINEER AND TO THE BEST OF HIS KNOWLEDGE AND BELIEF MEET THE REQUIREMENTS OF THE N.Y.S. ENERGY CONSERVATION CONSTRUCTION CODE.

PHYSICAL

– EDUCATION –

BUILDING

PROVIDE TEMPORARY PEDESTRIAN BRIDGE OVER WORK AREA

- PROVIDE FLAGMEN WHENEVER

IS REQUIRED

PARTIAL CLOSURE OF THE ROAD

SCALE'' 1'' = 80'-0''

DO NOT SCALE DRAWING

- ALL EXCAVATED TRENCHES SHALL NOT EXCEED THE CONTRACTOR SHALL PROVIDE SHORING, MEANS AS REQUIRED TO MAINTAIN A SAFE EXCAVATION WORK SHALL BE PERFORMED OSHA AND 29 CFR 1926.
- WHEN WORK IS NOT BEING PERFORMED.

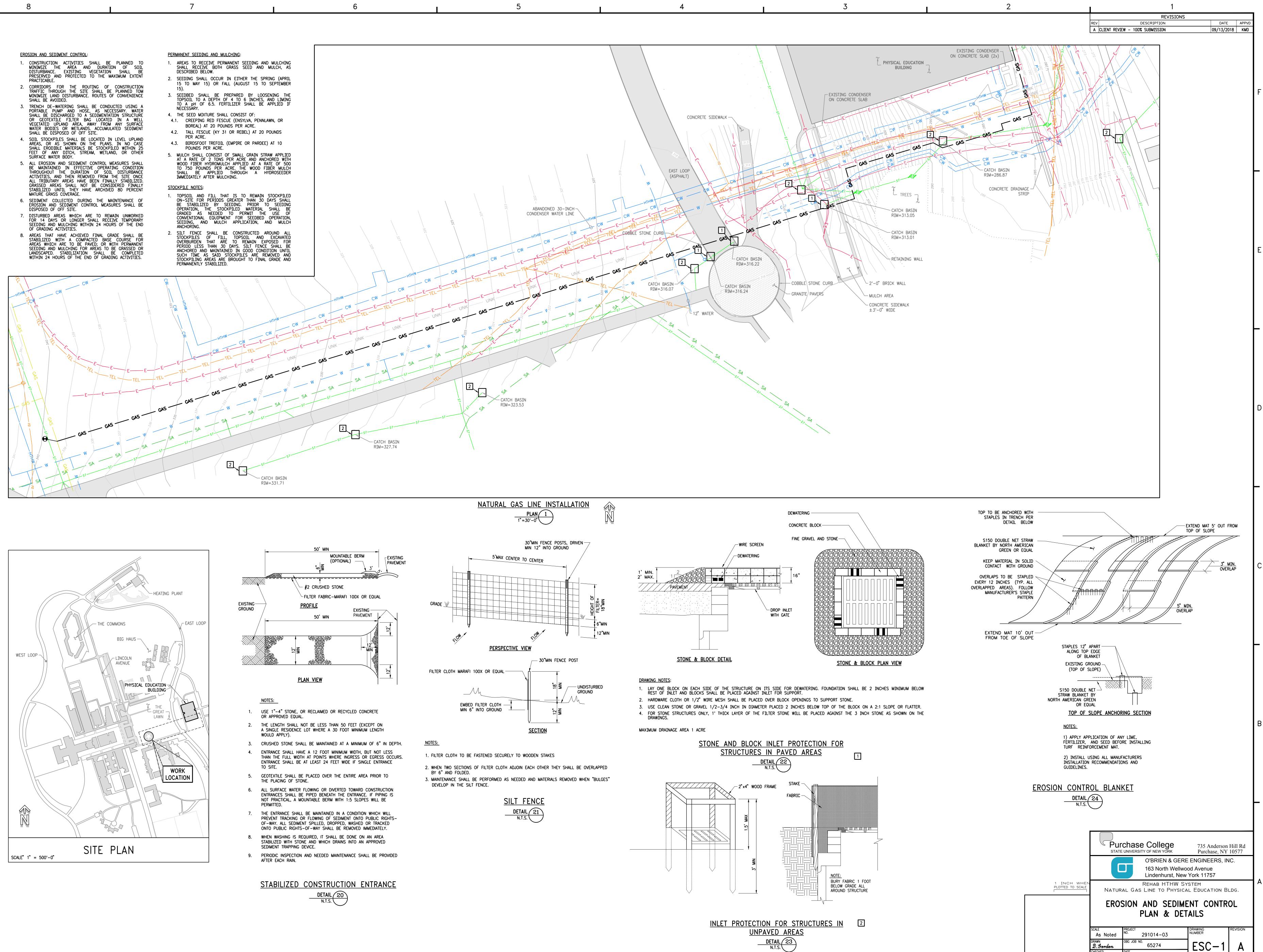
6. THE CONTRACTOR SHALL BE RESPONSIBLE REQUIRED TO COMPLETE THE WORK.

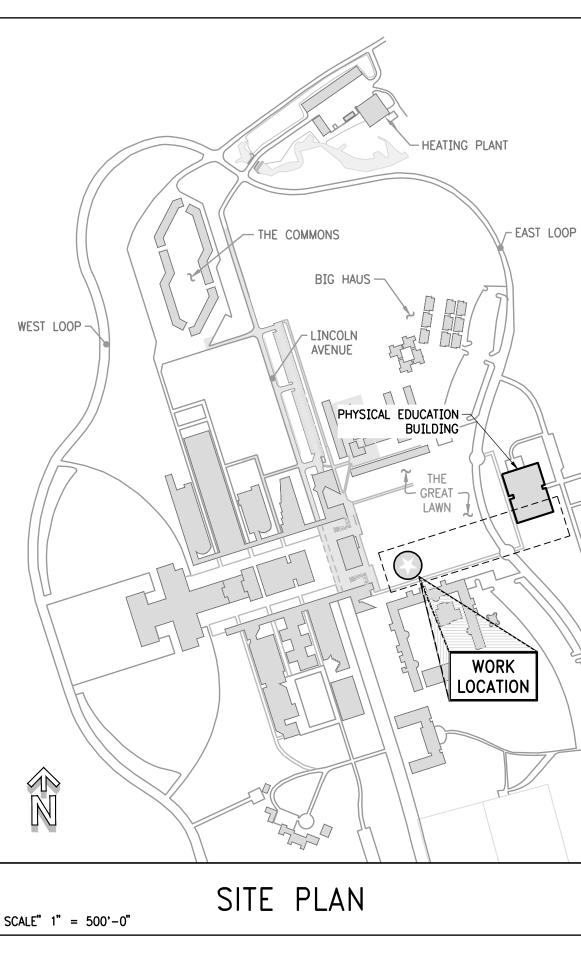
- TO PREVENT WEATHER FROM ENTERING THE

	1	
	REVISIONS           REV         DESCRIPTION         DATE         APPVD           A         CLIENT REVIEW - 100% SUBMISSION         09/13/2018         KMD	-
-	SPECIAL CONDITIONS NO WORK SHALL BEGIN BEFORE MAY 20, 2019. ALL WORK SHALL BE COMPLETED BY AUGUST 1, 2019.	
•	THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND MARK- OUT OF ALL UNDERGROUND UTILITIES. NO EXCAVATION WORK SHALL BE STARTED UNTIL A UTILITY MARK-OUT TAKES PLACE.	F
•	THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL TEMPORARY SUPPORTS THAT ARE REQUIRED FOR THE EXISTING UNDERGROUND UTILITIES THAT ARE UNCOVERED DURING THE EXCAVATION.	
•	ALL EXPOSED PIPING SHALL HAVE PROTECTIVE END CAPS INSTALLED TO PREVENT WEATHER FROM ENTERING THE PIPE DURING PERIODS WHEN WORK IS NOT BEING PERFORMED.	
•	ALL EXCAVATED TRENCHES SHALL NOT EXCEED A WIDTH OF 20 FEET. THE CONTRACTOR SHALL PROVIDE SHORING, SHEETING, OR OTHER MEANS AS REQUIRED TO MAINTAIN A SAFE WORKING AREA. ALL EXCAVATION WORK SHALL BE PERFORMED IN ACCORDANCE WITH OSHA AND 29 CFR 1926.	
•	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEWATERING REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL PROVIDE ALL SIGNAGE, FENCING, SHORING,	F
-	ETC., AS REQUIRED TO MAINTAIN THE SITE SAFE FOR WORKERS AND PEDESTRIANS IN THE AREAS AFFECTED BY THE WORK.	
	SCOPE OF WORK PROVIDE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON DRAWING ESC-1.	
•	FULLY EXPOSE A 5–FOOT SECTION OF AN EXISTING 16–INCH NATURAL GAS MAIN, ALL EXCAVATION IN THE GAS MAIN AREA SHALL BE PERFORMED BY HAND.	E
•	RETAIN THE SERVICES OF CON EDISON FOR HOT TAPPING OF THE NATURAL GAS MAIN.	
•	EXCAVATE TRENCH FOR NATURAL GAS LINE BETWEEN THE GAS MAIN AND THE PHYSICAL EDUCATION BUILDING. PROVIDE SAND BEDDING AS PER CON EDISON'S REQUIREMENTS FOR GAS SERVICE INSTALLATION BOOK (YELLOW BOOK).	
•	FURNISH AND INSTALL A DIRECT–BURIED NATURAL GAS SERVICE BETWEEN THE GAS MAIN AND THE PHYSICAL EDUCATION BUILDING. ALL GAS PIPING WORK SHALL BE PERFORMED BY A CONTRACTOR THAT IS CERTIFIED BY THE NORTHEAST GAS ASSOCIATION (NGA). ALL	
	GAS WORK SHALL CONFORM TO CON EDISON'S REQUIREMENTS FOR GAS SERVICE INSTALLATION BOOK (YELLOW BOOK).	
•	FURNISH AND INSTALL A GAS PRESSURE REGULATING STATION AT THE PHYSICAL EDUCATION BUILDING. PROVIDE PERMANENT 6'-0" HIGH CHAIN-LINK FENCE AROUND THE GAS REGULATOR. GAS REGULATOR VALVES SHALL BE LOCKED CLOSE.	
•	PERFORM PRESSURE TEST OF NATURAL GAS SERVICE AS REQUIRED BY CON EDISON PRIOR TO CONNECTION TO THE GAS MAIN.	
•	BACKFILL TRENCH AND RESTORE ALL AREAS TO ORIGINAL CONDITIONS.	
		D
	LINE TYPES	
	NEW FENCE	
	EXISTING — HIDDEN	
	STORM W CITY WATER	
	CONDENSER TELEPHONE WATER HIGH-TEMP FO FIBER OPTICS	С
	GAS NAT. GAS SA SANITARY	
	GENERAL SYMBOLS	
	DRAWING LIST	
	T-001 TITLE SHEET, GENERAL NOTES, SPECIAL CONDITIONS & SCOPE OF WORK ESC-1 EROSION AND SEDIMENT CONTROL PLAN & DETAILS	
	SU–101 NATURAL GAS LINE INSTALLATION – PLAN SU–102 NATURAL GAS LINE INSTALLATION – PROFILES	
	SU-103 DETAILS - SHEET 1 OF 2 SU-104 DETAILS - SHEET 2 OF 2	В
	SU–105 TOPOGRAPHIC & UTILITY SURVEY SHEET 1 OF 2 (REFERENCE ONLY) SU–106 TOPOGRAPHIC & UTILITY SURVEY SHEET 2 OF 2 (REFERENCE ONLY)	
	Purchase College     735 Anderson Hill Rd       STATE UNIVERSITY OF NEW YORK     735 Anderson Hill Rd       Purchase, NY 10577     2000 JDD JEN 4.000 JDD JEN 4.0000 JDD JEN 4.000 JDD JEN 4.000 JDD JEN 4.000 JDD JEN 4.000 J	
	O'BRIEN & GERE ENGINEERS, INC. 163 North Wellwood Avenue Lindenhurst, New York 11757	
	1 INCH WHEN       REHAB HTHW SYSTEM         PLOTTED TO SCALE       NATURAL GAS LINE TO PHYSICAL EDUCATION BLDG.	A
	TITLE SHEET, GENERAL NOTES, SPECIAL	
	CONDITIONS & SCOPE OF WORK	
	SCALE As NotedPROJECT NO.DRAWING 291014-03DRAWING NUMBERREVISIONDRAWN D GordonOBG JOB NO. 65274T_011A	
	$\begin{array}{c c} \hline \textbf{D.Sordon} & 65274 & \textbf{T-001} & \textbf{A} \\ \hline \textbf{CHECKED} & \textbf{K.Duffy} & \text{September 13, 2018} & \textbf{T-001} & \textbf{A} \end{array}$	

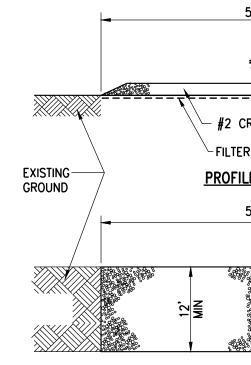




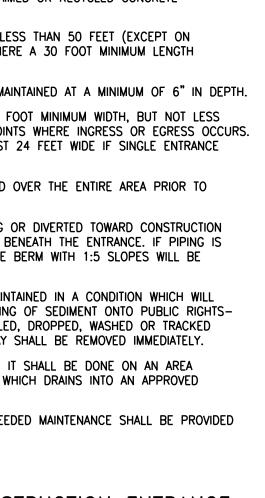




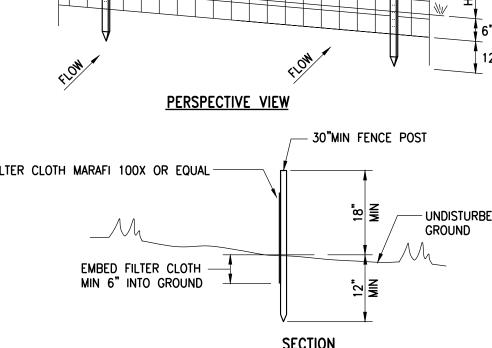
Copyright O'Brien & Gere Engineers, Inc.

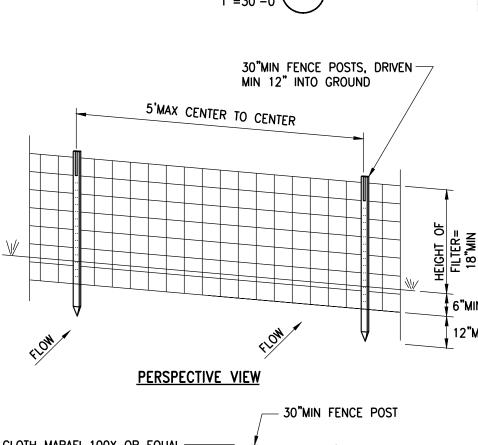


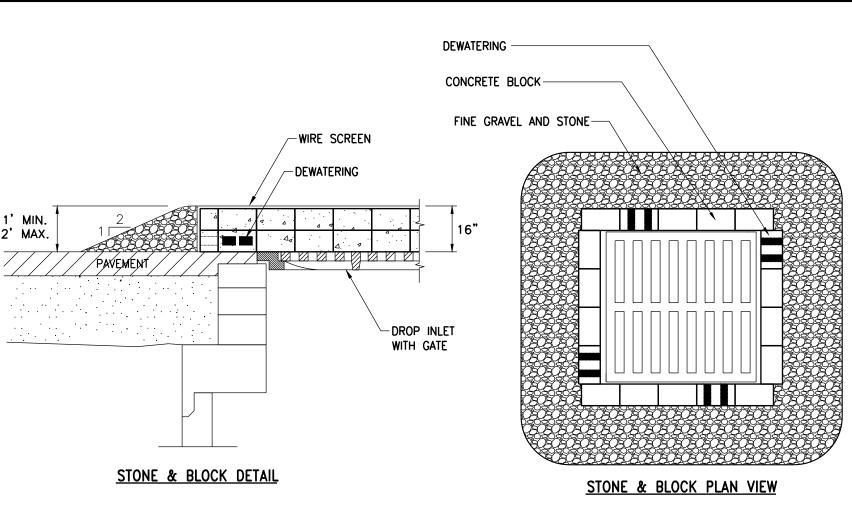
4

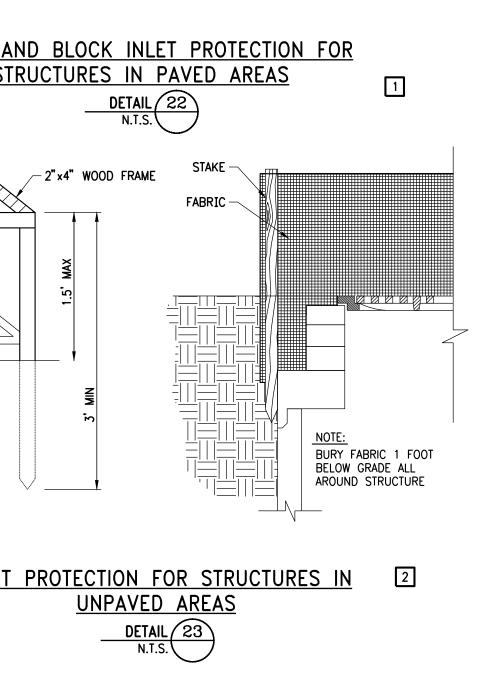


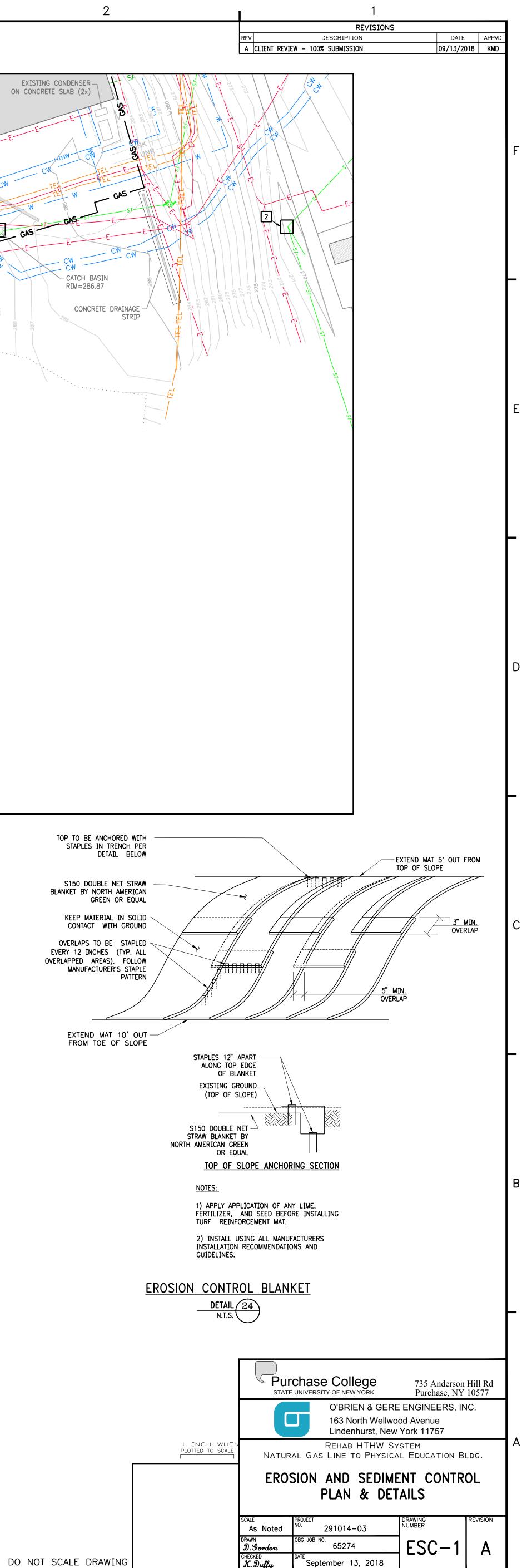


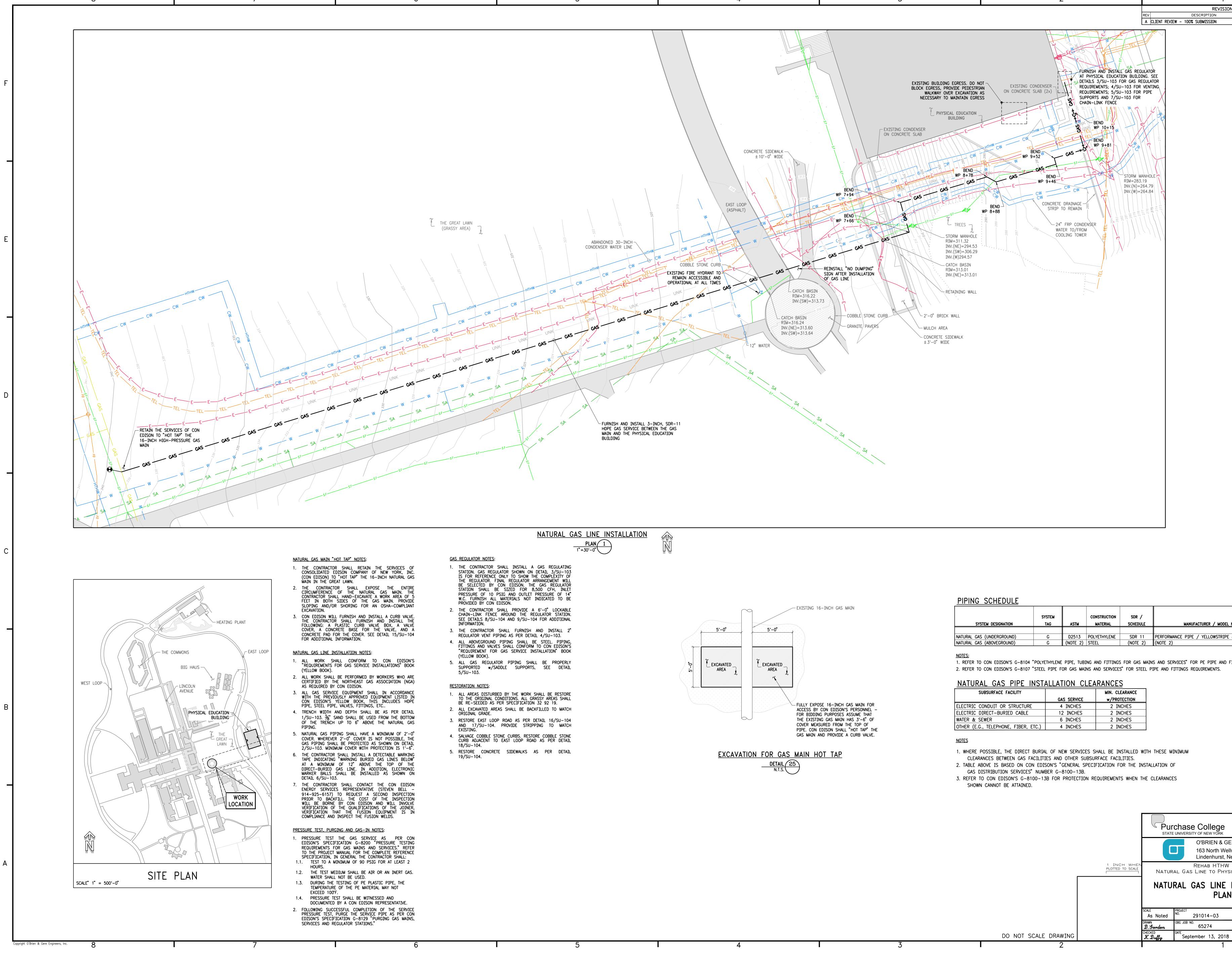








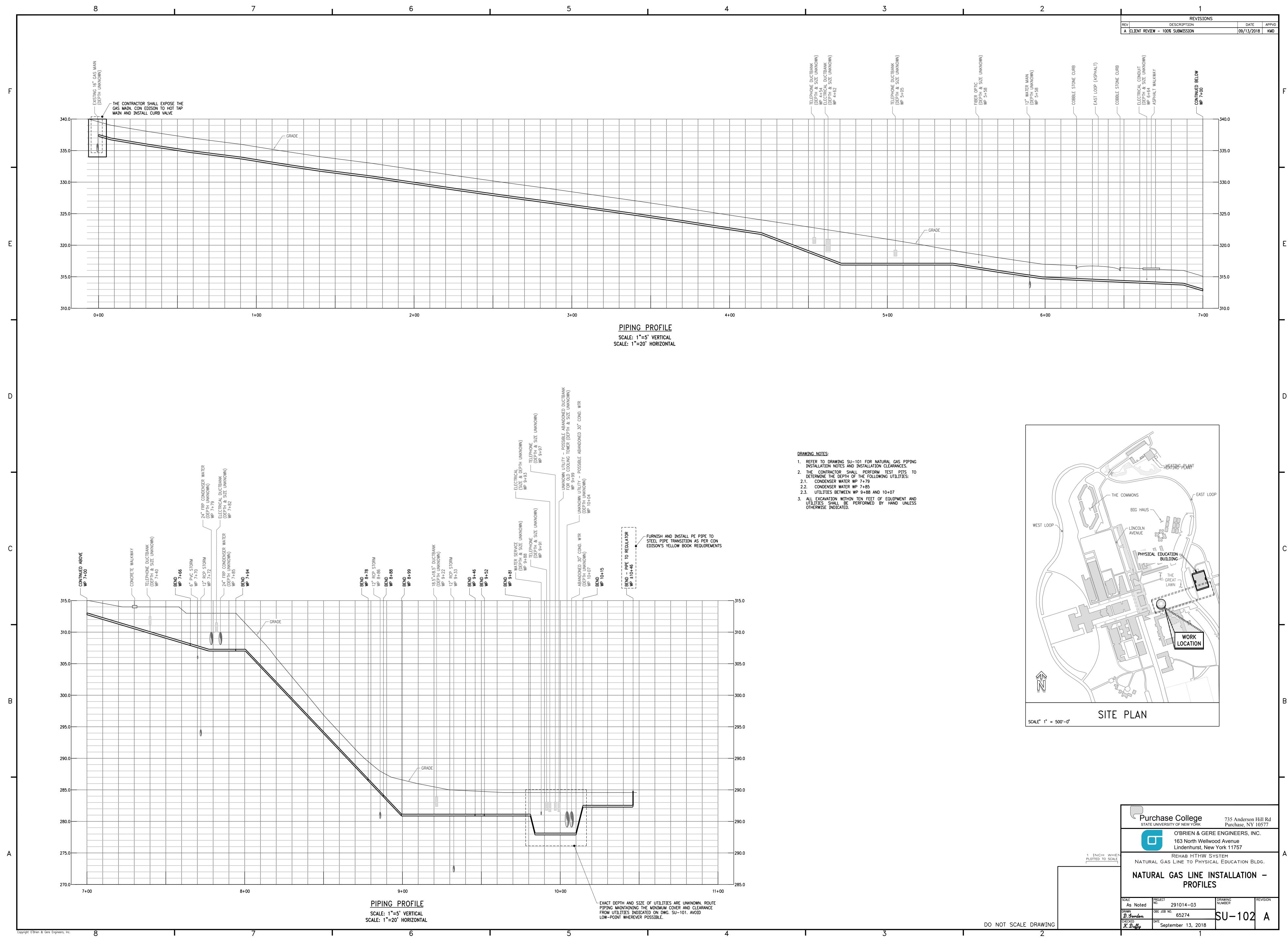


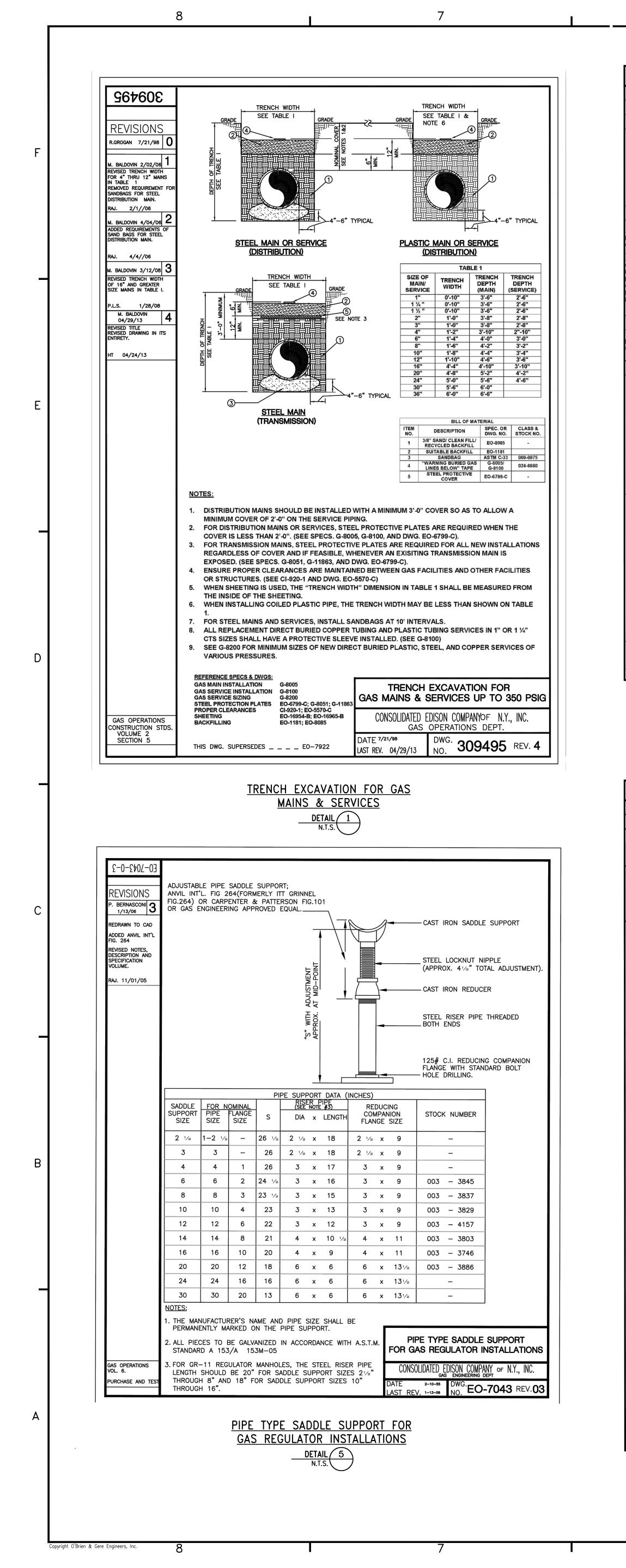


Κυτημεία τη ματημεία τη μα			2				1	
						CLIENT REVIEW	DESCRIPTION	
C SCHEDUE           Νο ο δολογο σλογο γολογο γολογο γολογο δολογο που που που που που που που που που πο		A.	5		TEL ST			
C SCHEDUE           Νο ο δολογο σλογο γολογο γολογο γολογο δολογο που που που που που που που που που πο				RNISH AND INSTA	SA LL GAS REGULAT	OR		
Κ. SCHEDUE           Των αποιοδολογία         Των αποιοδολογία <t< td=""><td></td><td></td><td>AT SA DE RE</td><td>PHYSICAL EDUCA TAILS 3/SU-103 QUIREMENTS; 4/S</td><td>TION BUILDING. FOR GAS REGUL U-103 FOR VEN</td><td>SEE ATOR TING</td><td></td><td></td></t<>			AT SA DE RE	PHYSICAL EDUCA TAILS 3/SU-103 QUIREMENTS; 4/S	TION BUILDING. FOR GAS REGUL U-103 FOR VEN	SEE ATOR TING		
AC SCHEDULE         The transmit is the trans	NTAIN EGRESS	E		PPORTS AND 7/S	U-103 FOR			
<b>C SCHEDUE ME SCHEDUE</b>	EDUCATION DING	THW CTW	CAS TE	WP 10+15	R	of it		
	HTHW CW TF	REND TO	E	X WP 9+81	40 M F	271		
C SCHEDULE          Δια SCHEDULE	CW S WP	9+52 T	- GAS -			$\sum$		
KE SCHEDULE          Table Notices is a state in the state is a state is a state in the state is a state is a state in the state in the state in the state in the state i	GAS GAS	WP 9+46	E F		RIM=283.19 INV.(N)=264.7	9		
AS SCHEDULE          Total to the state of the state o	BEND		E DRAINAGE -	2855		275		
					282 - 281 -			
AC SCHEDULE N <u>C SCHEDULE</u> TO CON IDISANS C-BIOK "PONEIMELIME PPE, TUBING AND FITTINGS FOR GS MADIS AND SERVICES" FOR FE PE AND FITTINGS REQUIREMENTS. R TO CON IDISANS C-BIOK "PONEIMELIME PPE, TUBING AND SERVICES" FOR SERVICE FOR FE PE AND FITTINGS REQUIREMENTS. R TO CON IDISANS C-BIOK "PONEIMELIME PPE, TUBING AND SERVICES" FOR SERVICE FOR FE PE AND FITTINGS REQUIREMENTS. R TO COM IDISANS C-BIOK "PONEIMELIME PPE, TUBING AND SERVICES" FOR SERVICE FOR SERVICE FOR FE PE AND FITTINGS REQUIREMENTS. R TO COM IDISANS C-BIOK "PONEIMELIME PPE, TUBING AND SERVICES" FOR SERVICE FOR SERVICE FOR FE PE AND FITTINGS REQUIREMENTS. R TO COM IDISANS C-BIOK "PONEIMELIME PPE, TUBING AND SERVICES" FOR SERVICES FOR SERVICE FOR SERVICES. R TO COM IDISANS C-BIOK "ROMELIMILE PIE, TUBING AND SERVICES" FOR SERVICES FOR SERVICES FOR SERVICES. R TO COM IDISANS C-BIOK "ROMELIMILED PIE, TUBING AND SERVICES" FOR SERVICES FOR SERVICES FOR SERVICES. R TO COM IDISANS C-BIOK "ROMELIMILED PIE, TUBING AND SERVICES" FOR SERVICES FOR SERVICES FOR SERVICES. R TO COM IDISANS C-BIOK "ROMELIMICE PIECE FOR COM AND SERVICES" FOR SERVICES FOR SERVICES FOR SERVICES FOR SERVICES. R TO COM IDISANS C-BIOK "ROMELIMILED PIECE TO THE SERVICES FOR SERVICES FOR SERVICES FOR SERVICES. R TO COM IDISANS C-BIOK "ROMELIMILED PIECE TO THE SERVICES FOR SERVICES FOR SERVICES FOR SERVICES FOR SERVICES. R TO COM IDISANS C-BIOK "ROMELIMILED PIECE TO THE SERVICES FOR SERVICES. R TO COM IDISANS C-BIOK "ROMELIMILED PIECE TO THE PIECE SERVICES FOR SERVICES	MANHOLE 11.32 L)=294.53			R H				
	/)=306.29 294.57 BASIN 13.01	••••						
<u>NG SCHEDULE</u> <u>STETIN RESIGNATION TATUEN ANTERNA SOFORE STRA OS MAIS AND SERVICES TOR PEPPE AND FITTINGS REQUIREMENTS.</u> RI DI GOM (DEGONS C-8104 "POLIFITINERE PIPE, TUBBIG NOT TITINGS FREU AND AND SERVICES" TOR PEPPE AND FITTINGS REQUIREMENTS. RI DI GOM (DEGONS C-8104 "POLIFITINERE PIPE, TUBBIG NOT TITINGS FREU AND SERVICES" TOR PEPPE AND FITTINGS REQUIREMENTS. RI DI GOM (DEGONS C-8104 "POLIFITINERE PIPE, TUBBIG NOT TITINGS FREU AND SERVICES" TOR PEPPE AND FITTINGS REQUIREMENTS. RI DI GOM (DEGONS C-8104 "POLIFITINERE PIPE, TUBBIG NOT TITINGS FREU AND SERVICES" TOR PEPPE AND FITTINGS REQUIREMENTS. RI DI GOM (DEGONS C-8104 "POLIFITINERE PIPE, TOR GIG MAIRS AND SERVICES" FOR SIELL PIPE AND FITTINGS REQUIREMENTS. RI DI GOM (DEGONS C-8104 "POLIFITINERE PIPE, TOR GIG MAIRS AND SERVICES" FOR SIELL PIPE AND FITTINGS REQUIREMENTS. IN GOM (DEGONS C-8104 "POLIFITINERE PIPE, TOR GIG MAIRS AND SERVICES" FOR SIELL PIPE AND FITTINGS REQUIREMENTS. IN GLASS LEGON TO CLESSANTE C-8104 "TOLIFITINES REQUIREMENTS.	5)=313.01							
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE	ING WALL							
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE	_K							
SYSTEM       SYSTEM       CONSTRUCTION       SDR /         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         CAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         . GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         CAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         . GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /       MANUFACTURER / MODEL NO.         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         CAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         . GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE								
SYSTEM       SYSTEM       CONSTRUCTION       SDR /         SYSTEM DESIGNATION       TAG       ASTM       MATERIAL       SCHEDULE       MANUFACTURER / MODEL NO.         CAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         . GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104       "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107       "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES       SUBSURFACE FACILITY       MIN. CLEARANCE	PIPING SCHEDULE							
GAS (UNDERGROUND)       G       D2513       POLYETHYLENE       SDR 11       PERFORMANCE PIPE / YELLOWSTRIPE 8300         GAS (ABOVEGROUND)       G       (NOTE 2)       STEEL       (NOTE 2)       (NOTE 2)         R TO CON EDISON'S G-8104 "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS.         R TO CON EDISON'S G-8107 "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS.         JRAL GAS PIPE INSTALLATION CLEARANCES         SUBSURFACE FACILITY       MIN. CLEARANCE			46714					
R TO CON EDISON'S G-8104 "POLYETHYLENE PIPE, TUBING AND FITTINGS FOR GAS MAINS AND SERVICES" FOR PE PIPE AND FITTINGS REQUIREMENTS. R TO CON EDISON'S G-8107 "STEEL PIPE FOR GAS MAINS AND SERVICES" FOR STEEL PIPE AND FITTINGS REQUIREMENTS. JRAL GAS PIPE INSTALLATION CLEARANCES SUBSURFACE FACILITY MIN. CLEARANCE	ATURAL GAS (UNDERGROUND)	G	D2513	POLYETHYLENE	SDR 11			
r to con edison's g-8107 "steel pipe for gas mains and services" for steel pipe and fittings requirements.           JRAL GAS PIPE INSTALLATION CLEARANCES           subsurface facility         min. clearance	OTES:					<u> </u>		
SUBSURFACE FACILITY MIN. CLEARANCE	. REFER TO CON EDISON'S G-8107	"STEEL PIPE	FOR GAS MA	INS AND SERVICE	's" for steel			5 REQUIREMENTS.
GAS SERVICE W/PROTECTION				MIN. CI	LEARANCE			
IC CONDUIT OR STRUCTURE 4 INCHES 2 INCHES IC DIRECT-BURIED CABLE 12 INCHES 2 INCHES	LECTRIC CONDUIT OR STRUCTUR	<u> </u>	4 INCHES 2 INCHES	2 II 2 II	NCHES NCHES			
	THER (E.G., TELEPHONE, FIBER,							
GAS SERVICE     w/PROTECTION       IC CONDUIT OR STRUCTURE     4 INCHES     2 INCHES	NATURAL GAS (UNDERGROUND) NATURAL GAS (ABOVEGROUND) <u>NOTES:</u> 1. REFER TO CON EDISON'S G-8104 2. REFER TO CON EDISON'S G-8107 <u>NATURAL GAS PIPE</u> SUBSURFACE FACILITY	TAG G G "POLYETHYLEN "STEEL PIPE NSTALLA G	D2513 (NOTE 2) E PIPE, TUB FOR GAS MA TION C GAS SERVICE	MATERIAL POLYETHYLENE STEEL PING AND FITTING INS AND SERVICE LEARANCE MIN. CI w/PRC	SCHEDULE SDR 11 (NOTE 2) S FOR GAS MAI S" FOR STEEL S LEARANCE DTECTION	(NOTE 2)	E PIPE / YELLOWSTRIPE 8300 CES" FOR PE PIPE AND FITTING	S REQUIREMENTS
& SEWER 6 INCHES 2 INCHES	THER (E.G., TELEPHONE, FIBER, DIES	<u>- IC.)</u>	4 INCHES	2 II	NCHES			
	CLEARANCES BETWEEN GAS F	ACILITIES AN	D OTHER SI	UBSURFACE FAC	ILITIES.		MUM	
	GAS DISTRIBUTION SERVICES . REFER TO CON EDISON'S G-8	' NUMBER G- 00–13B FOR	-8100-13B					
(E.G., TELEPHONE, FIBER, ETC.)4 INCHES2 INCHESRE POSSIBLE, THE DIRECT BURIAL OF NEW SERVICES SHALL BE INSTALLED WITH THESE MINIMUM EARANCES BETWEEN GAS FACILITIES AND OTHER SUBSURFACE FACILITIESE ABOVE IS BASED ON CON EDISON'S "GENERAL SPECIFICATION FOR THE INSTALLATION OF S DISTRIBUTION SERVICES" NUMBER G-8100-13BER TO CON EDISON'S G-8100-13B FOR PROTECTION REQUIREMENTS WHEN THE CLEARANCES	SHOWN CANNOT BE ATTAINED	,						
(E.G., TELEPHONE, FIBER, ETC.) 4 INCHES 2 INCHES RE POSSIBLE, THE DIRECT BURIAL OF NEW SERVICES SHALL BE INSTALLED WITH THESE MINIMUM EARANCES BETWEEN GAS FACILITIES AND OTHER SUBSURFACE FACILITIES. E ABOVE IS BASED ON CON EDISON'S "GENERAL SPECIFICATION FOR THE INSTALLATION OF AS DISTRIBUTION SERVICES" NUMBER G-8100-13B.					Г			
(E.G., TELEPHONE, FIBER, ETC.)4 INCHES2 INCHESRE POSSIBLE, THE DIRECT BURIAL OF NEW SERVICES SHALL BE INSTALLED WITH THESE MINIMUM EARANCES BETWEEN GAS FACILITIES AND OTHER SUBSURFACE FACILITIESE ABOVE IS BASED ON CON EDISON'S "GENERAL SPECIFICATION FOR THE INSTALLATION OF S DISTRIBUTION SERVICES" NUMBER G-8100-13BER TO CON EDISON'S G-8100-13B FOR PROTECTION REQUIREMENTS WHEN THE CLEARANCES						Purch STATE UN	NASE College	735 Anderson Hill Rd Purchase, NY 10577
(E.G., TELEPHONE, FIBER, ETC.) 4 INCHES 2 INCHES RE POSSIBLE, THE DIRECT BURIAL OF NEW SERVICES SHALL BE INSTALLED WITH THESE MINIMUM EARANCES BETWEEN GAS FACILITIES AND OTHER SUBSURFACE FACILITIES. E ABOVE IS BASED ON CON EDISON'S "GENERAL SPECIFICATION FOR THE INSTALLATION OF IS DISTRIBUTION SERVICES" NUMBER G-8100-13B. ER TO CON EDISON'S G-8100-13B FOR PROTECTION REQUIREMENTS WHEN THE CLEARANCES HOWN CANNOT BE ATTAINED. Purchase College 735 Anderson Hill Rd							163 North Wellwood	Avenue
(E.G., TELEPHONE, FIBER, ETC.)       4 INCHES       2 INCHES         RE POSSIBLE, THE DIRECT BURIAL OF NEW SERVICES SHALL BE INSTALLED WITH THESE MINIMUM EARANCES BETWEEN GAS FACILITIES AND OTHER SUBSURFACE FACILITIES. E ABOVE IS BASED ON CON EDISON'S "GENERAL SPECIFICATION FOR THE INSTALLATION OF IS DISTRIBUTION SERVICES" NUMBER G-8100-13B. IR TO CON EDISON'S G-8100-13B FOR PROTECTION REQUIREMENTS WHEN THE CLEARANCES HOWN CANNOT BE ATTAINED.         Image: Construction of the installation of the installatinstallatinstallation of the installation of the insta						NATURAL	REHAB HTHW SYST	EM
(E.G., TELEPHONE, FIBER, ETC.)       4 INCHES       2 INCHES         RE POSSIBLE, THE DIRECT BURIAL OF NEW SERVICES SHALL BE INSTALLED WITH THESE MINIMUM EARANCES BETWEEN GAS FACILITIES AND OTHER SUBSURFACE FACILITIES. E ABOVE IS BASED ON CON EDISON'S "GENERAL SPECIFICATION FOR THE INSTALLATION OF IS DISTRIBUTION SERVICES" NUMBER G-8100-13B. IR TO CON EDISON'S G-8100-13B FOR PROTECTION REQUIREMENTS WHEN THE CLEARANCES HOWN CANNOT BE ATTAINED.         Image: College state university of NEW YORK       735 Anderson Hill Rd Purchase, NY 10577         O'BRIEN & GERE ENGINEERS, INC.							AL GAS LINE INST	
(E.G., TELEPHONE, FIBER, ETC.) 4 INCHES 2 INCHES RE POSSIBLE, THE DIRECT BURIAL OF NEW SERVICES SHALL BE INSTALLED WITH THESE MINIMUM EARANCES BETWEEN GAS FACILITIES AND OTHER SUBSURFACE FACILITIES. E ABOVE IS BASED ON CON EDISON'S "GENERAL SPECIFICATION FOR THE INSTALLATION OF IS DISTRIBUTION SERVICES" NUMBER 6-B100-13B. IR TO CON EDISON'S G-B100-13B FOR PROTECTION REQUIREMENTS WHEN THE CLEARANCES NOWN CANNOT BE ATTAINED. PUTCHASE College 735 Anderson Hill Rd Purchase, NY 10577 O'BRIEN & GERE ENGINEERS, INC. 163 North Wellwood Avenue Lindenhurst, New York 11757 REHAB HTHW SYSTEM NATURAL GAS LINE TO PHYSICAL EDUCATION BLDG. NATURAL GAS LINE INSTALLATION –							PLAN	
(E.G., TELEPHONE, FIBER, ETC.) 4 INCHES 2 INCHES RE POSSIBLE, THE DIRECT BURIAL OF NEW SERVICES SHALL BE INSTALLED WITH THESE MINIMUM EARANCES BETWEEN GAS FACILITIES AND OTHER SUBSURFACE FACILITIES. E ABOVE IS BASED ON CON EDISON'S "GENERAL SPECIFICATION FOR THE INSTALLATION OF S DISTRIBUTION SERVICES" NUMBER G-8100-13B. ER TO CON EDISON'S G-8100-13B FOR PROTECTION REQUIREMENTS WHEN THE CLEARANCES IOWN CANNOT BE ATTAINED. PUTCHASE COllege 735 Anderson Hill Rd PUTCHASE COLLEGE 735 Anderson Hill Rd PUTCHASE, NY 10577 O'BRIEN & GERE ENGINEERS, INC. 163 North Wellwood Avenue Lindenhurst, New York 11757 REHAB HTHW SYSTEM NATURAL GAS LINE INSTALLATION – PLAN					A	s Noted <sup>NO.</sup>	291014-05	
(E.G., TELEPHONE, FIBER, ETC.) 4 INCHES 2 INCHES RE POSSIBLE, THE DIRECT BURIAL OF NEW SERVICES SHALL BE INSTALLED WITH THESE MINIMUM EARANCES BETWEEN GAS FACILITIES AND OTHER SUBSURFACE FACILITIES. E ABOVE IS BASED ON CON EDISON'S "GENERAL SPECIFICATION FOR THE INSTALLATION OF S DISTRIBUTION SERVICES" NUMBER G-8100-13B. ER TO CON EDISON'S C-8100-13B FOR PROTECTION REQUIREMENTS WHEN THE CLEARANCES OWN CANNOT BE ATTAINED. PUTCHASE COllege 735 Anderson Hill Rd PUTCHASE COllege 735 Anderson Hill Rd PUTCHASE, NY 10577 O'BRIEN & GERE ENGINEERS, INC. 163 North Wellwood Avenue Lindenhurst, New York 11757 REHAB HTHW SYSTEM NATURAL GAS LINE INSTALLATION BLDG. NATURAL GAS LINE INSTALLATION BLDG. NATURAL GAS LINE INSTALLATION PLAN SOME BOLICE 291014-03 NUMBER REVISION REVISION					<b>Д.</b> Снес	<b>Gordon</b> KED DAT	65274 S	U-101 A

SUBSURFACE FACILITY		MIN. CLEARANCE
	GAS SERVICE	w/PROTECTION
ELECTRIC CONDUIT OR STRUCTURE	4 INCHES	2 INCHES
ELECTRIC DIRECT-BURIED CABLE	12 INCHES	2 INCHES
WATER & SEWER	6 INCHES	2 INCHES
OTHER (E.G., TELEPHONE, FIBER, ETC.)	4 INCHES	2 INCHES

				1	
			REV A CLIENT	REVISIONS DESCRIPTION REVIEW - 100% SUBMISSION	DATE APPVD 09/13/2018 KMD
ND ND ND SAS SAS SAS SAS SAS SAS SAS SAS SAS SA	AT SA DE RE RE SU CH EL EL E SI EL E SI E E E	ENSER M	A CLIENT	DESCRIPTION	
ING SCHEDULE					
ING SCHEDULE system designation ta		CONSTRUCTION MATERIAL	SDR / SCHEDULE	MANUFACTURER / MODEL NO.	
SYSTEM DESIGNATION     TA       RAL GAS (UNDERGROUND)     G       RAL GAS (ABOVEGROUND)     G       S:     S:	G ASTM D2513 (NOTE 2) HYLENE PIPE, TUB PIPE FOR GAS MA	MATERIAL POLYETHYLENE STEEL BING AND FITTINGS F INS AND SERVICES" LEARANCES MIN. CLEAR	SCHEDULE SDR 11 PER (NOTE 2) (NO OR GAS MAINS AN FOR STEEL PIPE / RANCE CTION IES IES	FORMANCE PIPE / YELLOWSTRIPE 8300 TE 2) ID SERVICES" FOR PE PIPE AND FITTINGS R	REQUIREMENTS.
SYSTEM DESIGNATION       TA         AL GAS (UNDERGROUND)       G         AL GAS (ABOVEGROUND)       G         SER TO CON EDISON'S G-8104 "POLYETHER TO CON EDISON'S G-8107 "STEEL FER TO CON EDISON'S G-8100" TO CON EDISON'S G-8100" TO CON EDISON'S G-8100" TO CON EDISON'S G-8100"	G       ASTM         D2513       D2513         (NOTE 2)       (NOTE 2)         HYLENE PIPE, TUB       PIPE FOR GAS MA         LLATION C       GAS SERVICE         4 INCHES       12 INCHES         6 INCHES       6 INCHES         4 INCHES       4 INCHES         6 INCHES       6 INCHES	MATERIAL POLYETHYLENE STEEL BING AND FITTINGS F INS AND SERVICES" LEARANCES MIN. CLEAR w/PROTEC 2 INCH 2 INCH	SCHEDULE       SDR 11       PER       (NOTE 2)       OR GAS MAINS AN       FOR STEEL PIPE A       RANCE       CTION       IES       IES	SE MINIMUM ON OF	REQUIREMENTS.



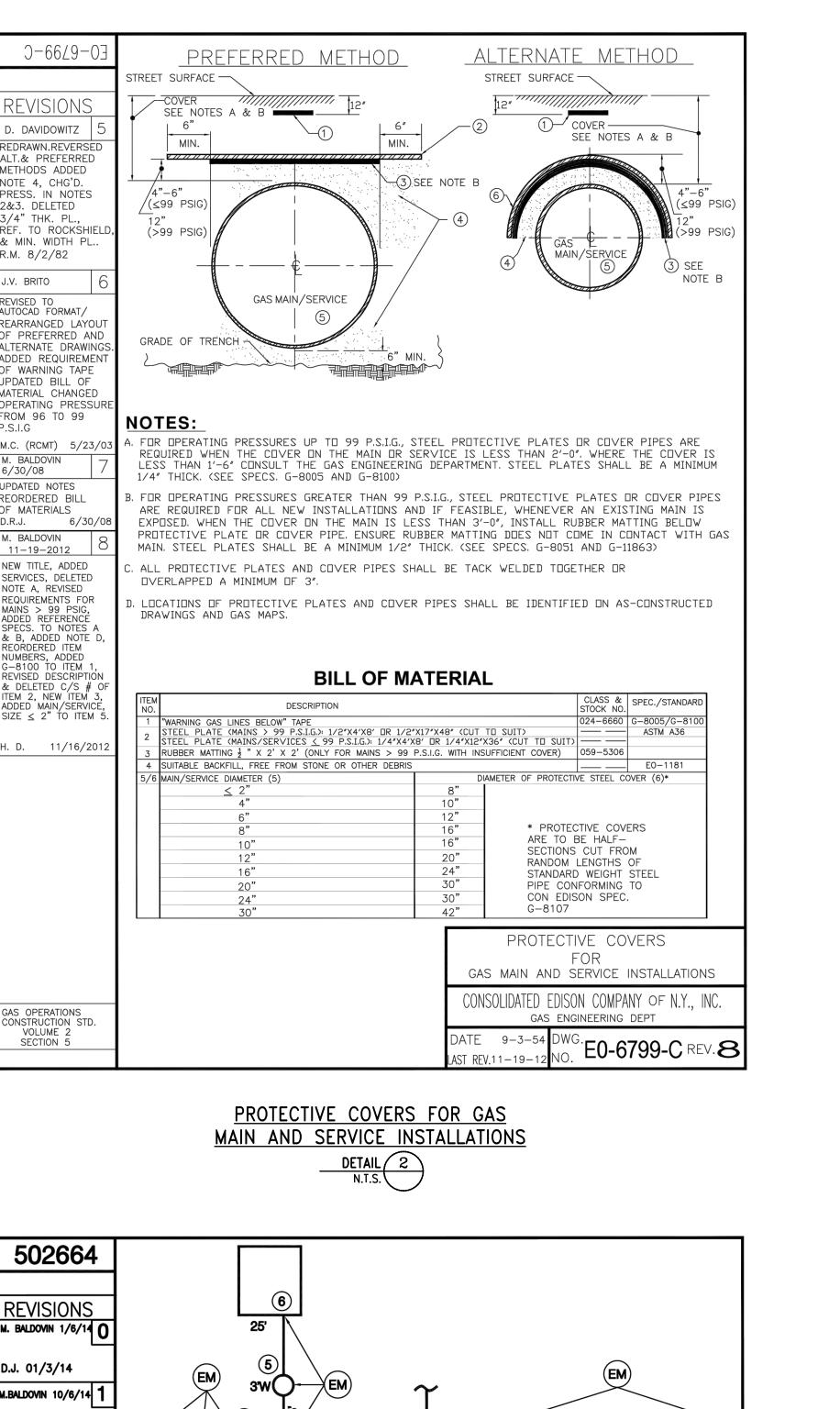


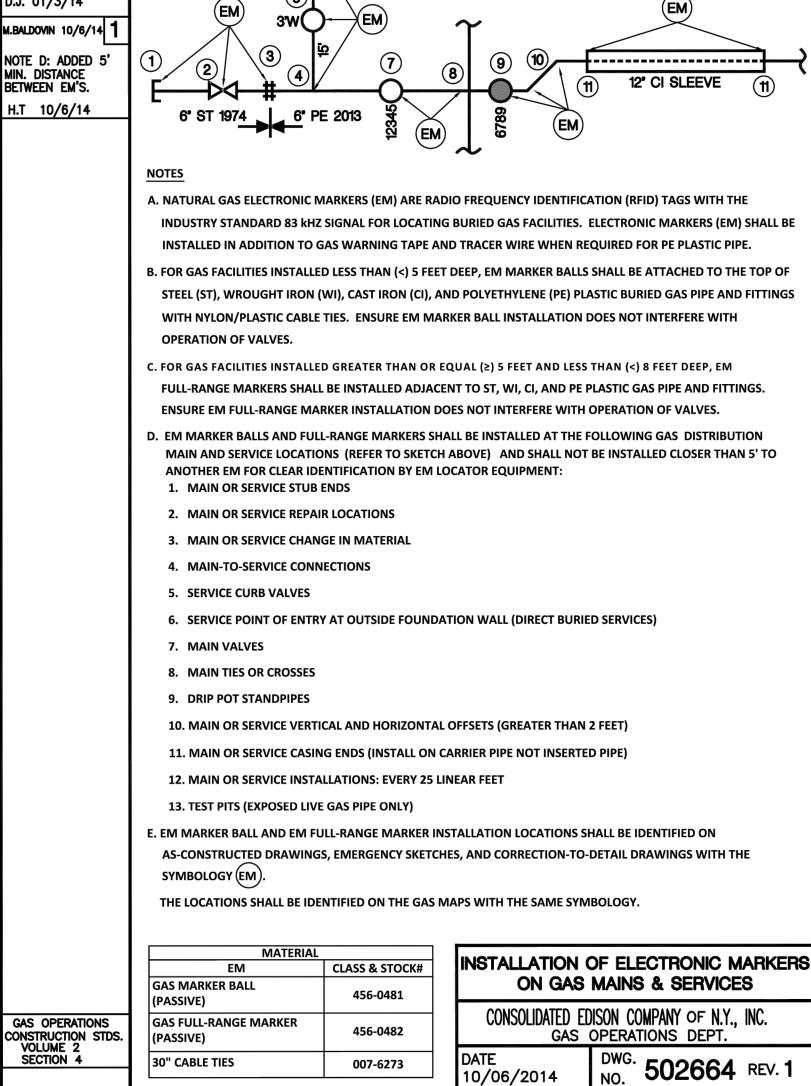






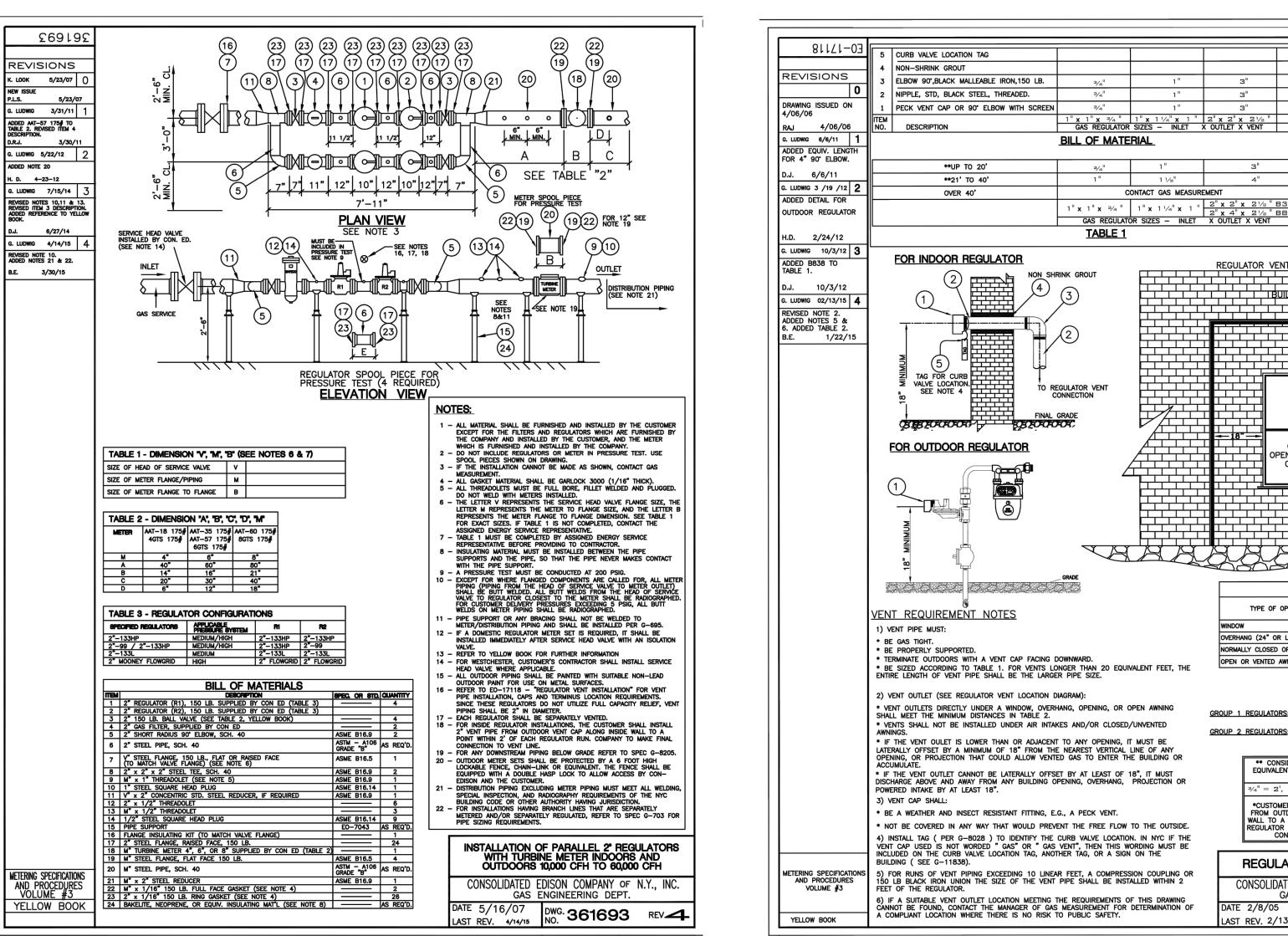


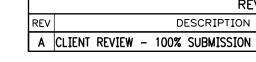






10/06/2014

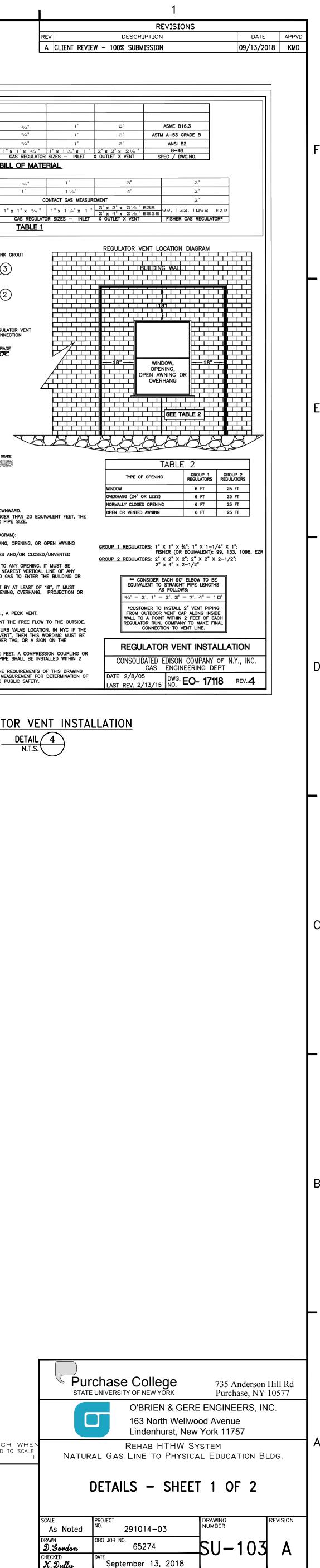


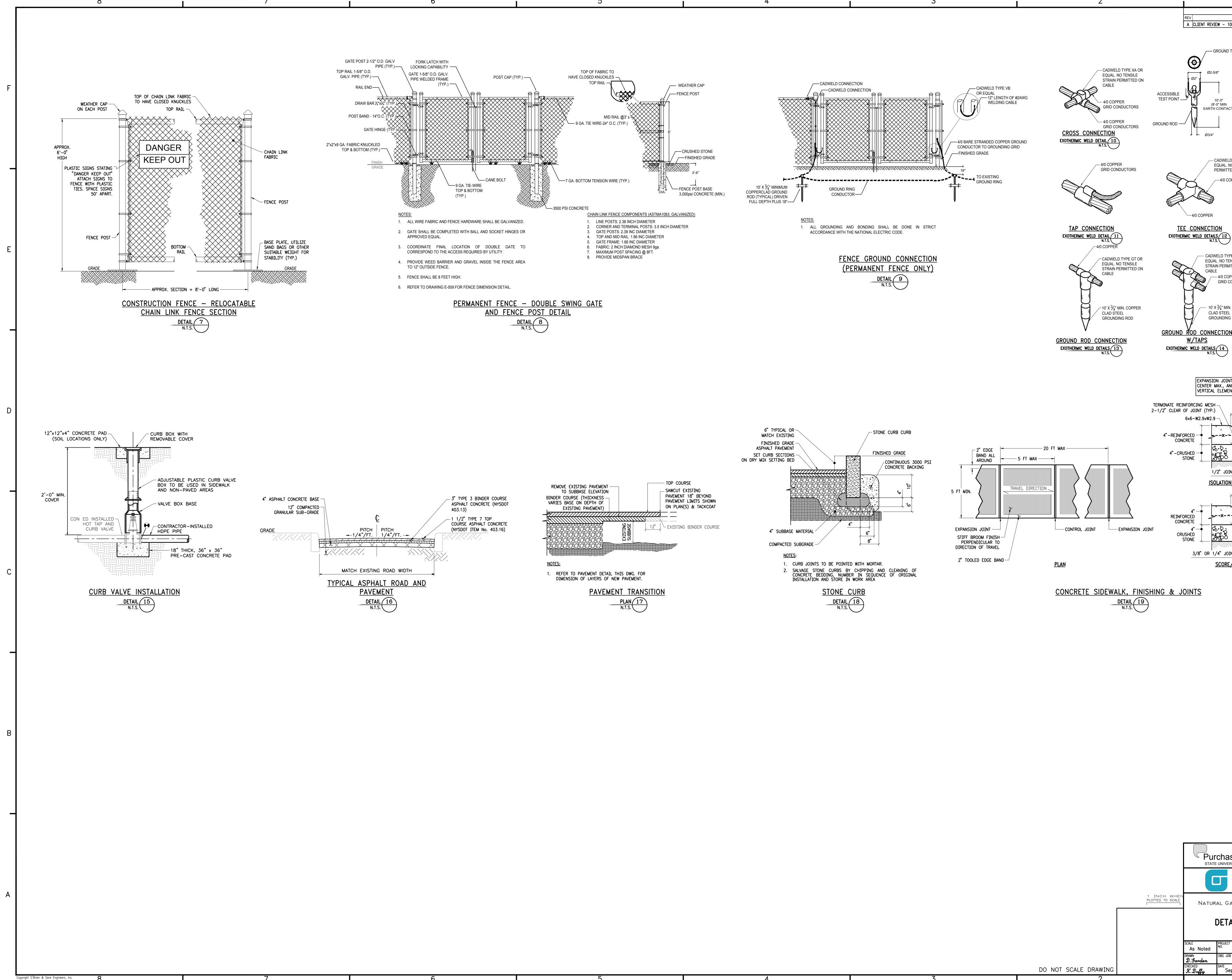


GAS REGULATOR INSTALLATION DETAIL 3 N.T.S.

GAS REGULATOR VENT INSTALLATION DETAIL 4

			Chase Co
			O'Bl 163 Lind
	1 INCH WHEN Plotted to scale	NATUR	Reha al Gas Line
		C	DETAILS
		As Noted	PROJECT NO. 29101
DO NOT SCALE DRAWING		D.Gordon	OBC JOB NO. 652 DATE September
l 2			



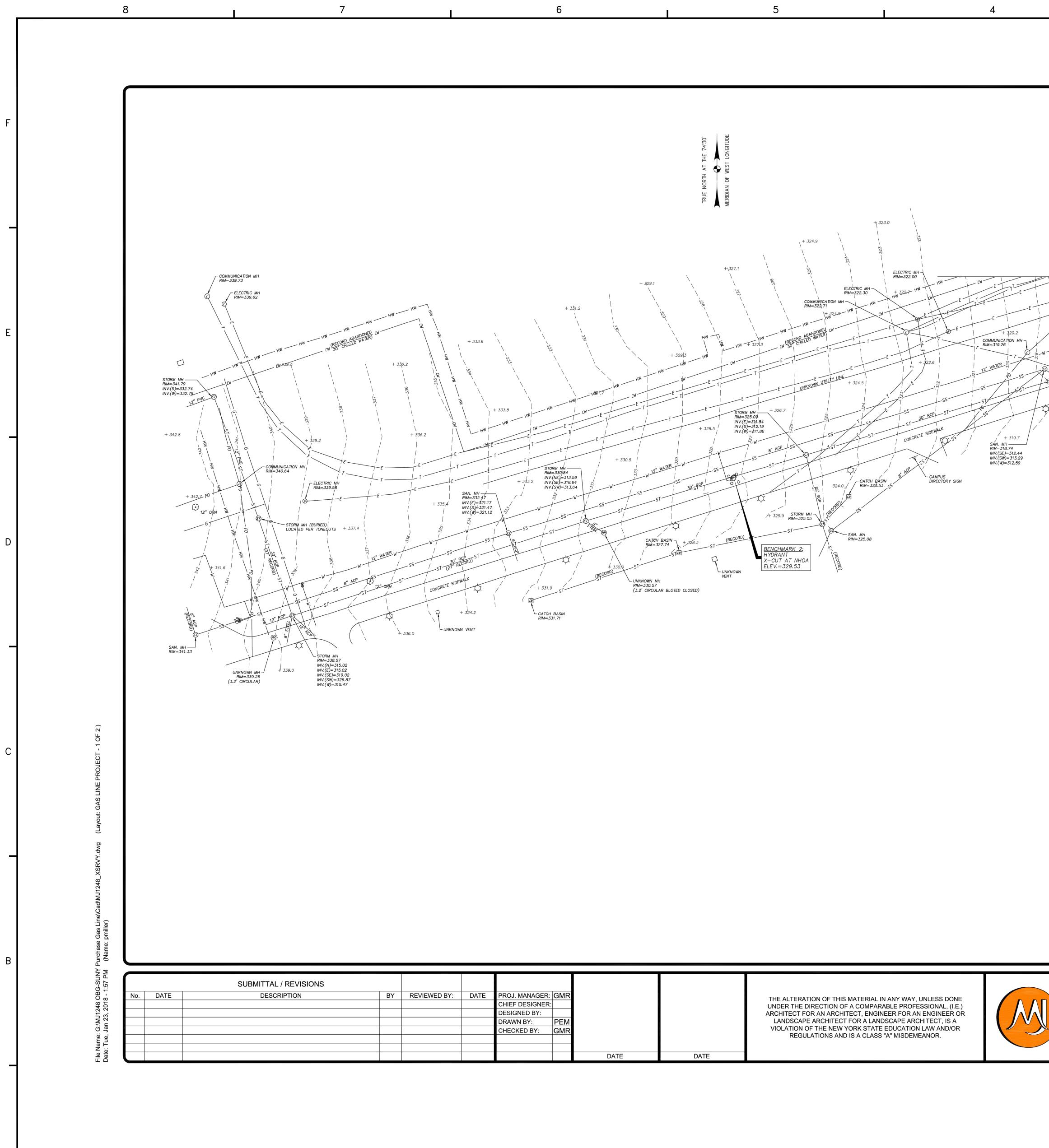






				CCHASE C
				O'E 163 Lin
		1 INCH WHEN Plotted to scale		Reh al Gas Lin
				DETAILS
			AS NOLEU	PROJECT NO. 2910
			DRAWN <b>D. Gordon</b>	OBG JOB NO. 65
	DO NOT SCALE DRAWING		CHECKED <b>K.Duffy</b>	DATE Septembe
3	2			

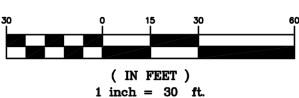
1		
REVISIONS DESCRIPTION 100% SUBMISSION	DATE APPVD 09/13/2018 KMD	
ND TEST WELL		
		F
N FACT)		
ELD TYPE TA OR L. NO STRAIN ITTED ON CABLE COPPER		
2]		
TYPE NX OR TENSILE RMITTED ON		E
COPPER D CONDUCTORS		
MIN. COPPER EEL ING ROD		
<u>ио</u> Э		
DINTS TO OCCUR AT 20' ON		
AND AT ALL CURBS, WALLS & MENTS AND AS SHOWN ON PL	& ANS NT SEALANT PER SPEC	
	DLED JOINT CKER ROD AS REQUIRED EMOULDED JOINT FILLER	D
	MOOLDED JOINI FILLER	
ION/EXPANSION JOINT	MPACTED SUBGRADE DLED JOINT 5' O.C.	_
$ \begin{array}{c c} & & & \\ \hline \\ \hline$		
	IPACTED SUBGRADE	
RE/ CONTROL JOINT	MFACIED SUDGRADE	С
		_
		В
ase College	735 Anderson Hill Rd Purchase, NY 10577	
163 North Wellwoo Lindenhurst, New REHAB HTHW SY	York 11757 STEM	А
GAS LINE TO PHYSICA	L EDUCATION BLDG.	
ECT 291014-03 JOB NO.	DRAWING NUMBER	
65274 September 13, 2018	SU-104 A	



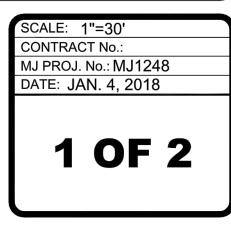
Copyright O'Brien & Gere Engineers, Inc.

ROJ. MANAGER: <b>(</b>	GMR			THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE	
HIEF DESIGNER:				UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, (I.E.)	
ESIGNED BY:				ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR	
RAWN BY:	PEM			LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A	
HECKED BY: (	GMR			VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR	
				REGULATIONS AND IS A CLASS "A" MISDEMEANOR.	
		DATE	DATE		1

3		2	<b>I</b>	_
			REVISIONS           REV         DESCRIPTION         DATE         APPVE           A         CLIENT REVIEW - 100% SUBMISSION         09/13/2018         KMD	
E + (3/8.0 + (3/8.0 R) R) R) R) R) R) R) R) R) R)	6° ORN C 6° MAPLE 6° MAPLE 6° ORN 8° ORN 6° ORN 6° ORN 6° ORN 6° ORN 6° ORN 10° ORN 10° ORN 10° ORN 10° PINE 10° PINE	LEGEND         BENCHMARK         @ @ CATCH BASIN         S SANITARY SEWER         Ø STORM MANHOLE         Ø STORM MANHOLE         Ø MANHOLE         Ø COMMUNICATION M         © ELECTRIC MANHOLE         Ø STORM MANHOLE         Ø STOR STORM	REV     DESCRIPTION     DATE     APPVE       A CLIENT REVIEW - 100%     SUBMISSION     09/13/2018     KMD	_
	STORM MH RIM=314.12		INE IE LINE	
	<ol> <li>THE VERTICAL II</li> <li>THE HORIZONTA PLANE EAST ZO</li> <li>CONTOUR INTER</li> <li>INFORMATION S AND LAND SUR</li> <li>UTILITIES SHOW COMPANIES, SU</li> </ol>	NTED TO GRID NORTH FROM GPS OBSERVATION. DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 198 AL DATUM IS ON NORTH AMERICAN DATUM OF 1983, NEW ONE 3101.	YORK STATE MJ ENGINEERING BY BL DIVENTIONAL	С
	UTILITIES ON SI 7. UNAUTHORIZED SECTION 7209 NOT BEARING T	ALTERATIONS OR ADDITION TO THIS SURVEY MAP IS A VIO OF THE NEW YORK STATE EDUCATION LAW. COPIES OF TH THE LAND SURVEYORS SEAL AND SIGNED WITH RED INK SH O BE VALID COPIES. ( IN FEET ) 1 inch = 30 ft.	OLATION OF NS SURVEY MAP	B
Engineering and Land Surveying, P.C.	SUNY PURCI PARITAL TOPOGRA	PHIC SURVEY	o.: :MJ1248 4, 2018	
1533 Crescent Road - Clifton Park, NY 12065	735 ANDERSON HILL F WESTCHESTER COUNTY	RD., PURCHASE 10 NEW YORK	<b>DF 2</b>	
		1 INCH WHEN PLOTTED TO SCALE	NATURAL GAS LINE TO PHYSICAL EDUCATION BLDG. TOPOGRAPHIC & UTILITY SURVEY SHEET 1 OF 2 (REFERENCE ONLY) SCALE As Noted DRAWIN D. Gordon DRAWIN D. Gordon NUMBER SU-105 A	
3	DO NO.	T SCALE DRAWING	$\begin{array}{c c} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} L$	J



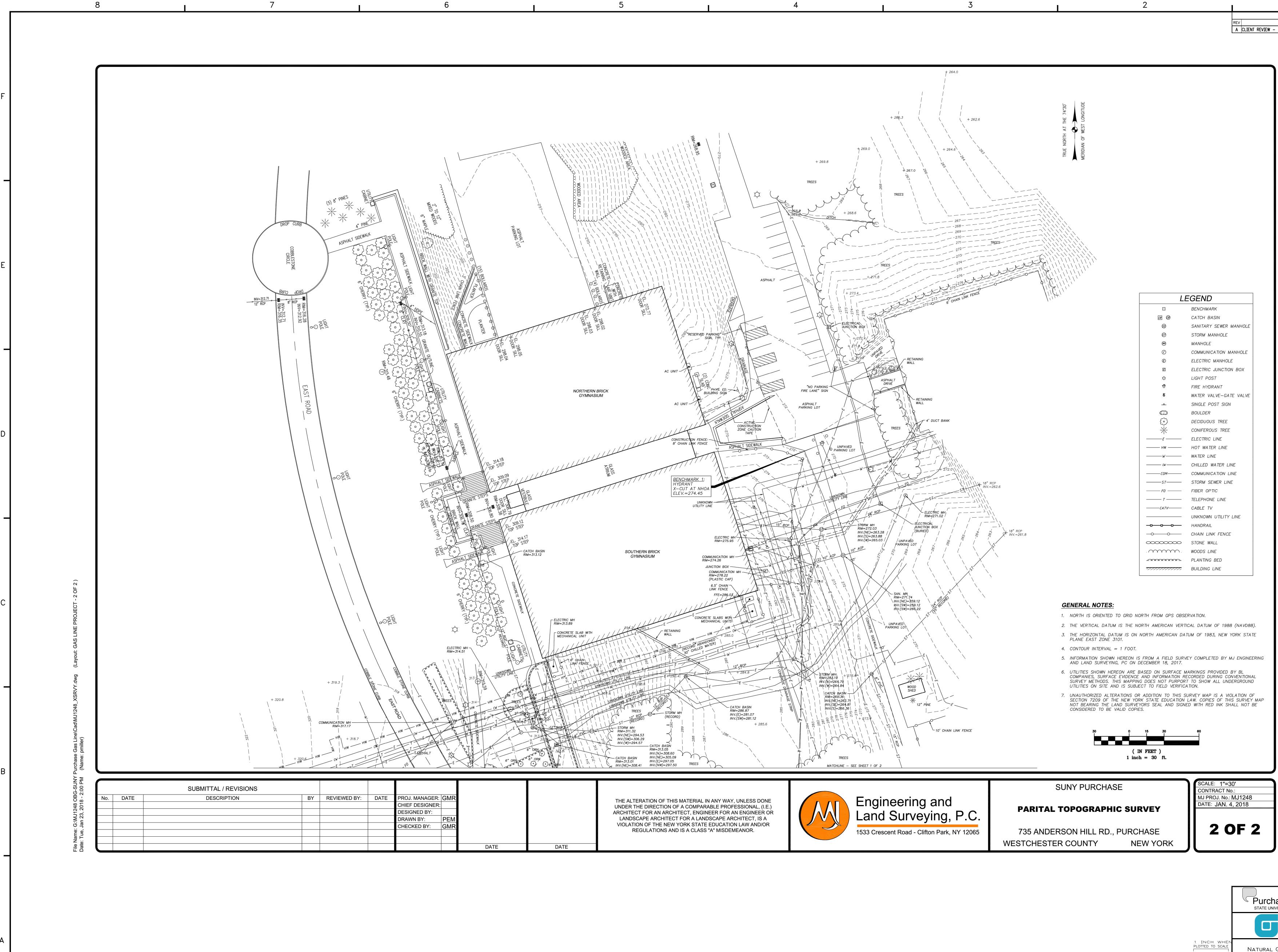




		1 REVISION	5			
	REV A CLIENT REVIE	DESCRIPTION W - 100% SUBMISSION		DATE 09/13/20	APPVD	
	Find C R					F
	And					
MAP S.						
D MARK						E
BASIN RY SEWER M MANHOLE PLE INICATION M/ RIC MANHOLE	ANHOLE					
RIC JUNCTION POST YDRANT VALVE-GAT POST SIGN ER POUS TREE ROUS TREE ROUS TREE						D
ATER LINE LINE D WATER LIN INICATION LII SEWER LINE OPTIC IONE LINE TV WN UTILITY I	NE E					
AIL LINK FENCE WALL LINE NG BED IG LINE						
PROVIDED E	ORK STATE					С
DURING CON DW ALL UNDI AP IS A VIO	NVENTIONAL ERGROUND NATION OF S SURVEY MAP					
6						В
ALE: 1"=30 NTRACT No PROJ. No.:1 TE: JAN. 4	o.: MJ1248					
	Pur	Chase College	Purcha RE ENGINE		0577	
ICH WHEN	TOPOGR 1	163 North Welly Lindenhurst, Ne REHAB HTHW AL GAS LINE TO PHYSI CAPHIC & UTILIT OF 2 (REFERE	W York 1175 System cal Educa Y SURV	TION BL EY SILY)	HEET	Α
	SCALE As Noted DRAWN D.Gordon CHECKED K.Duffy	PROJECT NO. 291014-03 OBG JOB NO. 65274 DATE September 13, 2018 1	DRAWING NUMBER			



Δ



Copyright O'Brien & Gere Engineers, Inc.

4

DO	NOT	SCALE	DRAWING

		1			
			DATE 1 <b>3/2018</b>	APPVD KMD	
		V = 100% 30DM13310N	13/ 2010		
					F
					_
					Ε
ANHOLE					
NHOLE					_
вох					
. VALVE					
					D
E					
E					
INE					
					С
	N				
(NAVD88 DRK STAT					
I ENGINEE	RING				
Y BL VENTIONA	L				
RGROUND					_
SURVEY	MAP				
)'					В
, : /J1248					
2018					
) <b>F</b> 2	2				
		J			
					Γ
$\subseteq$	J Pur STATE	Chase College 735 Ander UNIVERSITY OF NEW YORK Purchase,			
	STATE	O'BRIEN & GERE ENGINEERS			
	C	163 North Wellwood Avenue Lindenhurst, New York 11757 REHAB HTHW System			A
		AL GAS LINE TO PHYSICAL EDUCATION			
IUP(		APHIC & UTILITY SURVEY OF 2 (REFERENCE ONL)		EEI	
SCALE		PROJECT	-	VISION	
As No DRAWN <b>D. Gordo</b>	lea	<sup>291014-03</sup> <sup>OBG JOB NO.</sup> 65274 SU-1(	)6	Α	
checked <b>K.Duffy</b>		September 13, 2018		- •	