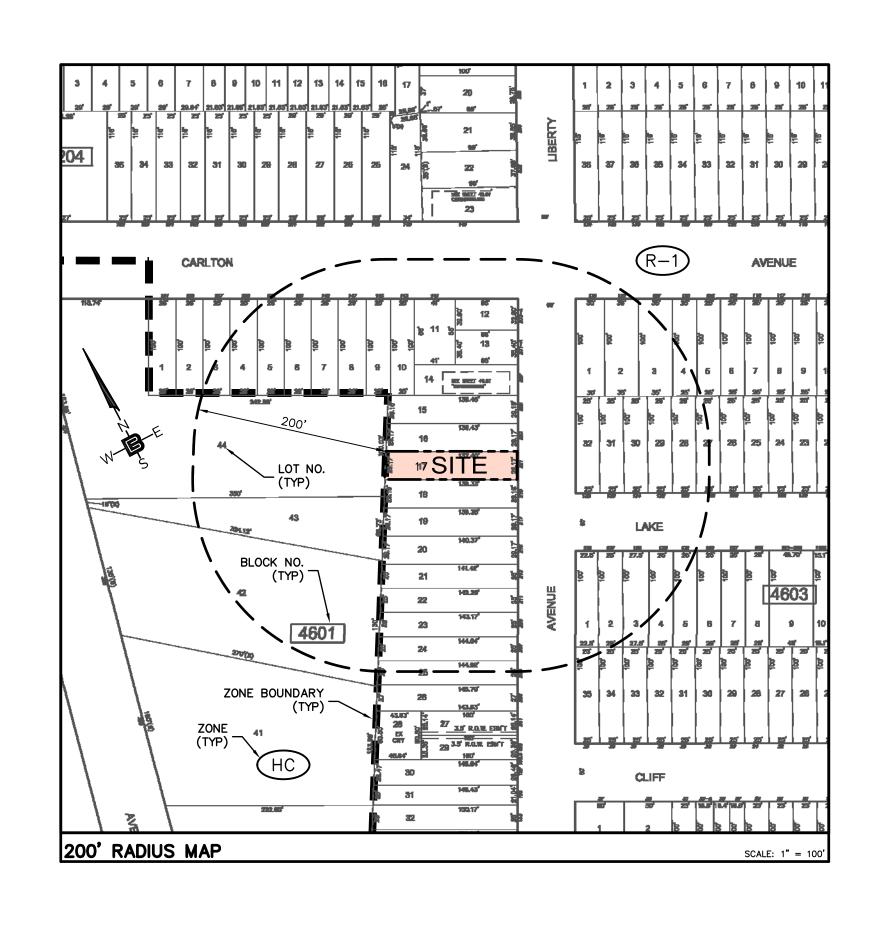
PRELIMINARY & FINAL SITE PLAN

BLOCK 4601, LOT 17 221 LIBERTY AVENUE CITY OF JERSEY CITY HUDSON COUNTY, NEW JERSEY





ZONING NOTES

G.N. MANAGEMENT INC. 1. OWNER/APPLICANT: 101 HUDSON STREET, SUITE 2100 JERSEY CITY, NJ 07302

<u>EXISTING</u> 29.17 MIN. LOT DEPTH (FT): 137.9 72.17 (BUILDING) 42.72 (BALCONY) 38.5 2/30.39 53.1

6. OFF-STREET PARKING REQUIREMENTS (SECTION 345-40B): MIN. REQUIRED PARKING: MAX. WIDTH OF LOT FOR GARAGE (FT): MAX. CURB CUT WIDTH (FT): N/A MAX. DRIVEWAY WIDTH (FT): N/A 17X36(V) MAX. GARAGE DIMENSIONS (FT):

(E) INDICATES AN EXISTING NON-CONFORMITY (V) INDICATES A VARIANCE IS REQUIRED N/A INDICATES NOT APPLICABLE

DRAWING LIST DWG. # DRAWING TITLE C1.1 COVER SHEET 3-23-22 C2.1 DEMOLITION & SOIL EROSION CONTROL PLAN 3-23-22 3-23-22 C2.3 GRADING, UTILITY & SOIL EROSION CONTROL PLAN 3-23-22 C3.1 UTILITY DETAILS 3-23-22

APPROVED BY THE _____ ___ OF THE CITY OF JERSEY CITY AT A MEETING HELD ON ____ BOARD CHAIRMAN **BOARD SECRETARY**

CITY ENGINEER

OWNERS CONSENT

CALISTO J. BERTIN, P.E.

ERIC M. HOUGH, P.E



13(V)

COVER SHEET

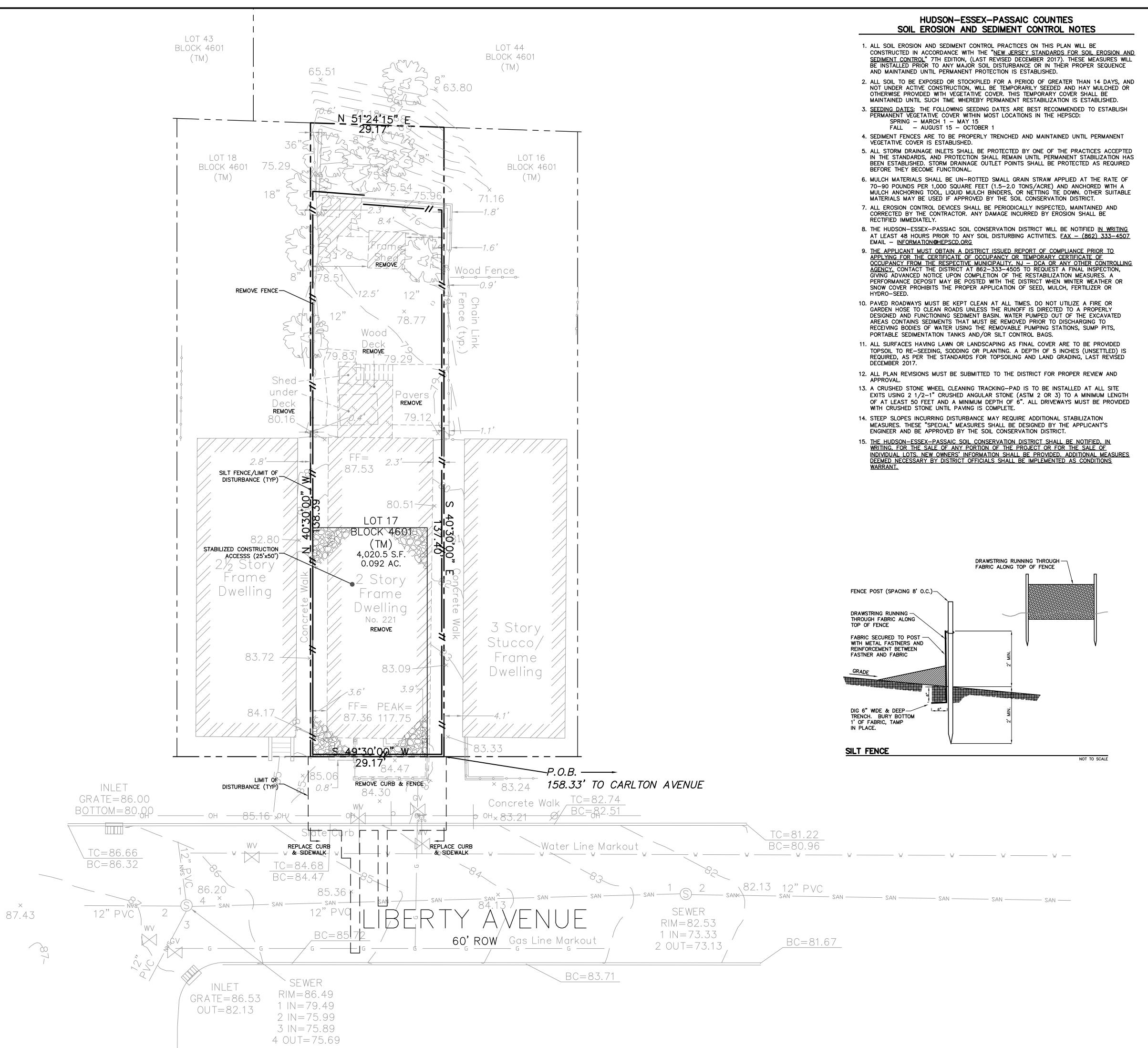
PROPOSED 3-FAMILY BUILDING

BLOCK 4601, LOT 17 221 LIBERTY AVENUE CITY OF JERSEY CITY COUNTY OF HUDSON, NJ

G.N. MANAGEMEMT INC.
101 HUDSON STREET, SUITE #2100
JEDCEV CITY NJ 07700

EY CITY, NJ 07302					
CERTIFICATE OF AUTHORIZATION 4GA28068900 / 21MH00002800					
BY	CHECKED BY				
S.H.C.	J.A.				
S SHOWN	PROJECT NO. 22-147				

C1.1



PRE CONSTRUCTION NOTES:

- 1. UTILITY LOCATIONS SHOWN ON PLANS ARE FOR REFERENCE ONLY AND MUST BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION. ON SITE UTILITIES 2.LOCATIONS ARE BASED ON FIELD OBSERVATION AND RECORD DRAWINGS.
- ACTUAL CONDITIONS MAY VARY. 2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL:
- A) THOROUGHLY FAMILIARIZE HIMSELF WITH THE SITE CONDITIONS: B) REVIEW THE SURVEY & SITE PLANS FOR INCONSISTENCIES WITH **ACTUAL CONDITIONS:** C) VERIFY FINISHED FLOOR ELEVATIONS OF EXIST. STRUCTURES TO
- REMAIN WITH RESPECT TO STREET ELEVATIONS SHOWN: D) VERIFY LOCATION, DEPTH & ELEVATION OF UTILITY CONNECTIONS. E) CONFIRM SIZE & MATERIAL OF ALL PROPOSED & EXISTING WATER & SEWER UTILITIES.
- 3. STAKE OUT NEW BUILDING & VERIFY ITS LOCATION TO PROPERTY LINES WITH RESPECT TO DIMENSIONS SHOWN ON PLANS.
- 4. MARK LIMIT OF SOIL DISTURBANCE & TAG ALL TREES TO BE REMOVED
- 5. REVIEW ALL LOCAL, COUNTY & STATE PERMIT REQUIREMENTS FOR THE
- 6. ALL DEMOLITION MATERIAL AND DEBRIS AND ALL ITEMS REMOVED FROM THE PROPERTY AND THE ADJACENT PUBLIC AREAS, SHALL BE DISPOSED OUTSIDE OF THE CITY LIMITS OF JERSEY CITY IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE CITY'S ENVIRONMENTAL COMMISSION AND IN ACCORDANCE WITH THE REGULATIONS AND LAWS OF THE NJDEP.

SOIL RESTORATION NOTE

1. THIS PROJECT IS EXEMPT FROM SOIL COMPACTION TESTING AND REMEDIATION UNDER EXEMPTION 6 ON PAGE 19-2 OF THE LAND GRADING STANDRARD AS IT IS LOCATED IN AN METROPOLITAN PLANNING AREA (PA-1) AND IS PREVIOUSLY

SEQUENCE OF CONSTRUCTION

- DEMOLISH EXISTING STRUCTURES. INSTALL STABILIZED CONSTRUCTION ENTRANCE. ROUGH GRADE SITE.
- INSTALL BUILDING FOUNDATION. INSTALL UNDERGROUND UTILITIES.
- CONSTRUCT BUILDING. INSTALL DRIVEWAYS, CONCRETE CURBS & SIDEWALKS. FINISH GRADING OF THE SITE.

/ EXISTING

GROUND

- INSTALL LANDSCAPING. 11. REMOVE SOIL EROSION CONTROL DEVICES.
- 12. CONSTRUCTION TO LAST APPROXIMATELY 12-15 MONTHS.
- 2 WEEKS 1 DAY 2 WEEKS 1-2 MONTHS 2 WEEKS 8-9 MONTHS 2 WEEKS 1 WEEK 1 WEEK

1 DAY

PUBLIC

RIGHT

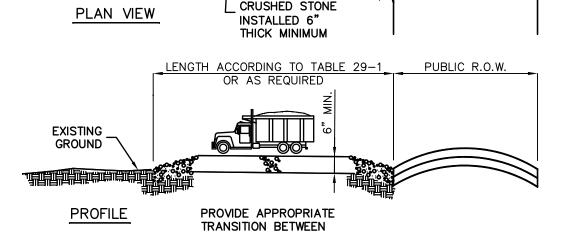
NAVE NJ 0 .670.

ΩОЧП

CALISTO J. BERTIN, P.E. PROFESSIONAL ENGINEER

T LIC. NO. 12950 NJ LIC. NO. 28845 MA LIC. NO. 40595 NY LIC. NO. 60022 NH LIC. NO. 9368 RI LIC. NO. 669

ERIC M. HOUGH, P.E. PROFESSIONAL ENGINEER



USE 1" - 2 1/2"

ENTRANCE AND PUBLIC R.O.W. TABLE 29-1: LENGTHS OF CONSTRUCTION EXITS ON SLOPING ROADBEDS

STABILIZED CONSTRUCTION

PERCENT SLOPE	LENGTH OF STONE REQUIRED			
OF ROADWAY	COARSE GRAINED SOILS	FINE GRAINED SOILS		
0 TO 2%	50 FT	100 FT		
2 TO 5%	100 FT	200 FT		
> 5%	ENTIRE SURFACE STABILIZED WITH FABC BASE COURSE			

GRAPHIC SCALE

(IN FEET)

1 inch = 10 ft.

STABILIZED CONSTRUCTION ACCESS

DEMOLITION & SOIL EROSION **CONTROL PLAN**

PROPOSED 3-FAMILY BUILDING

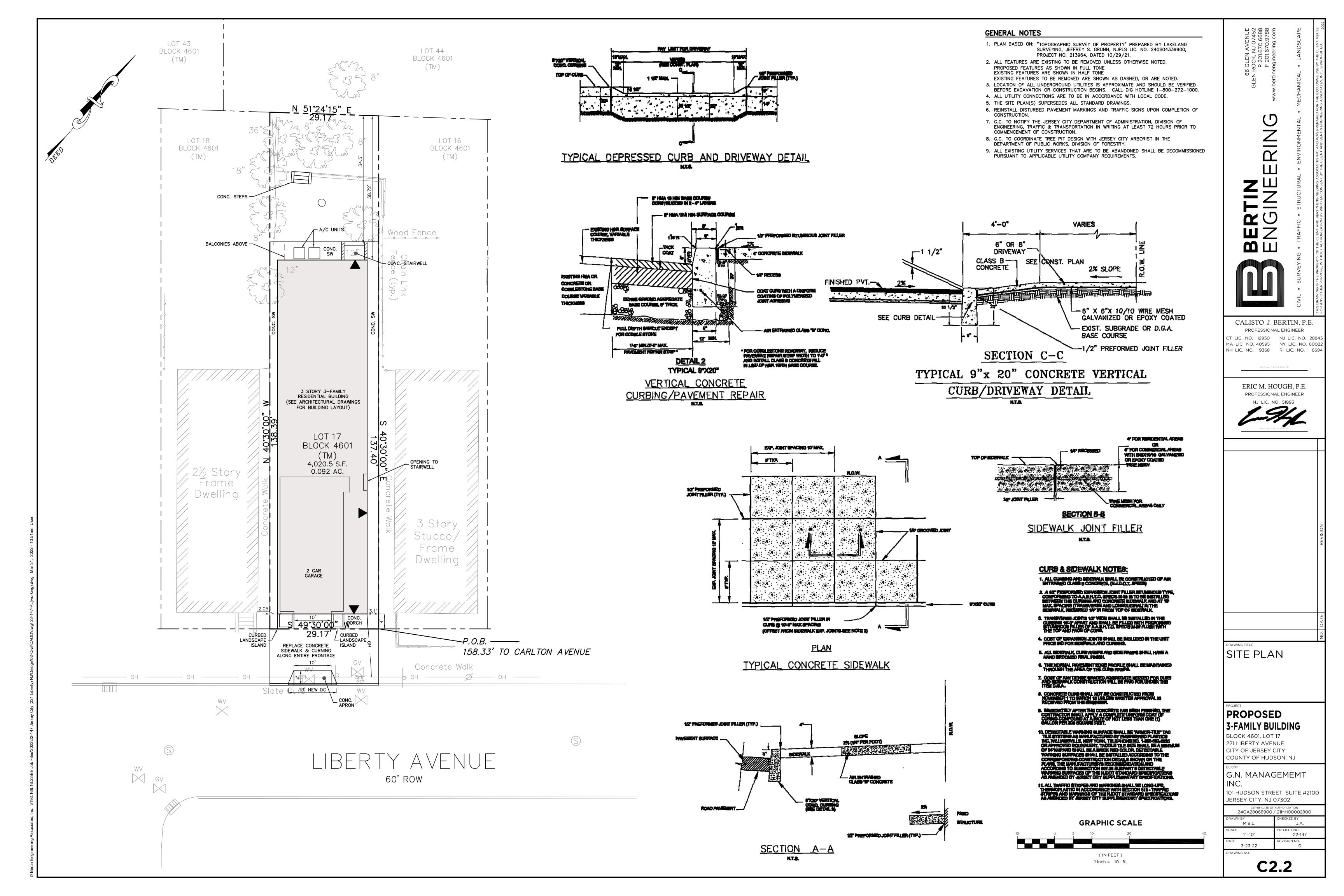
BLOCK 4601, LOT 17 221 LIBERTY AVENUE CITY OF JERSEY CITY COUNTY OF HUDSON, NJ

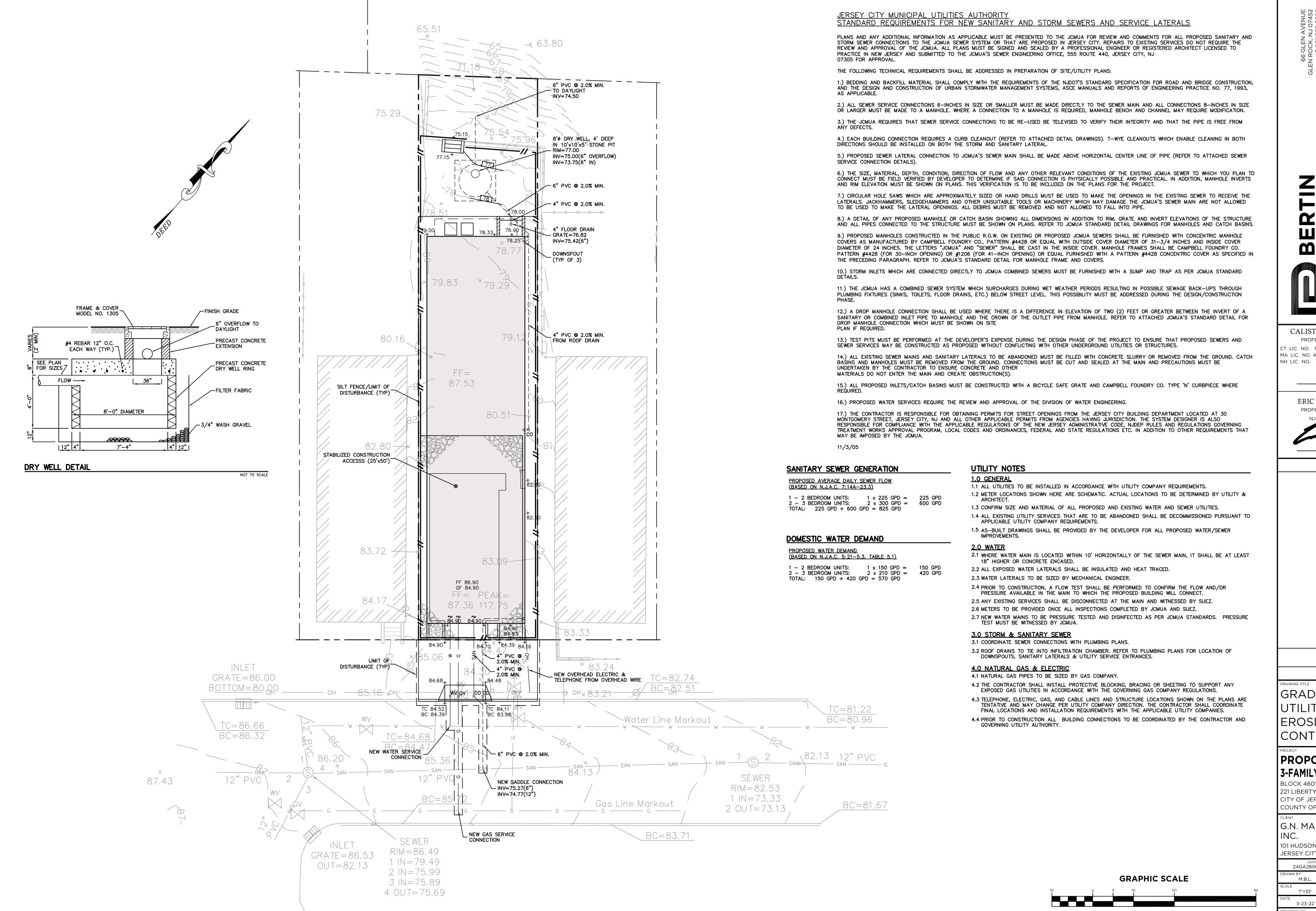
G.N. MANAGEMEMT 101 HUDSON STREET, SUITE #2100

JERSEY CITY, NJ 07302 24GA28068900 / 21MH00002800 J.A.

1"=10' 22-147 3-23-22

C2.1





\BC=88.48

66 GLEN AVENUE GLEN ROCK, NJ 07452 P 201.670.6688 F 201.670.9788

- • ENVIRONMENTAL • MECHANICAL

TING • TRAFFIC • STRUCTURAL • ENVIRC

CALISTO J. BERTIN, P.E.

PROFESSIONAL ENGINEER

CT LIC. NO. 12950 NJ LIC. NO. 28845 MA LIC. NO. 40595 NY LIC. NO. 60022 NH LIC. NO. 9368 RI LIC. NO. 6694

ERIC M. HOUGH, P.E.



GRADING,
UTILITY & SOIL
EROSION
CONTROL PLAN

PROPOSED 3-FAMILY BUILDING

BLOCK 4601, LOT 17 221 LIBERTY AVENUE CITY OF JERSEY CITY COUNTY OF HUDSON, NJ

G.N. MANAGEMEMT INC.

101 HUDSON STREET, SUITE #2100

JERSEY CITY, NJ 07302

CERTIFICATE OF AUTHORIZATION
24GA28068900 / 21MH00002800

DRAWN BY
M.B.L.

CHECKED BY
J.A.

SCALE

DROJECT NO

22-147

C2.3

(IN FEET) 1 inch = 10 ft. A21.5— 1976 (A.W.W.A. C151—76). ALL WATER MAINS WILL BE AT LEAST 8" IN DIAMETER. TEN (10") AND 14" DIAMETER MAINS SHALL NOT BE USED.

2. GATE VALVES SHALL BE IN CONFORMANCE WITH A.N.S.I./A.W.W.A. STANDARD C500— 80 AND SHALL BE JERSEY CITY STANDARD VALVES, M&H METROPOLITAN MECHANICAL JOINT VALVES AS MANUFACTURED BY DRESSER COMPANY OR APPROVED EQUAL. VALVES SHALL BE NON—RISING STEM, MECHANICAL JOINT

SHALL BE FURNISHED WITH A (2") SQUARE OPERATING NUT SHALL OPEN BY TURNING TO THE RIGHT. GATE VALVES (16") AND OVER SHALL BE FURNISHED WITH BY—PASS. VALVE SHALL BE 100% SOLID HEAT CURED EPOXY COATED HOLIDAY—FREE IN THE WATERWAY.

3. BUTTERFLY VALVES SHALL BE IN CONFORMANCE WITH A.N.S.I./A.W.W.A. STANDARD C504—80. BUTTERFLY VALVES SHALL BE CLASS 1508, MECHANICAL JOINT, WITH RUBBER SEAT MOUNTED ON THE DISC, SHALL BE FURNISHED WITH A

STANDARD C504-80. BUTTERFLY VALVES SHALL BE CLASS 1508, MECHANICAL JOINT, WITH RUBBER SEAT MOUNTED ON THE DISC, SHALL BE FURNISHED WITH A (2") INCH SQUARE OPERATING NUT AND SHALL OPEN BY TURNING TO THE RIGHT. THE VALVE SHALL BE 100% SOLID HEAT CURED EPOXY COATED HOLIDAY-FREE IN THE WATERWAY. THE USE OF BUTTERFLY VALVES WILL NOT BE PERMITTED IN MAINS (16") AND UNDER.

4. VALVES BOXES SHALL BE JERSEY CITY "STANDARD" AS MANUFACTURED BY BINGHAM AND TAYLOR, OR APPROVED EQUAL. BOXES SHALL HAVE A MINIMUM OF 8-1/4 INCH DIAMETER AND SHALL BE AN ADJUSTABLE SCREW TYPE WITH THE BOX EXTENDING FROM THE SURFACE TO (3") INCHES ABOVE THE VALVE BONNET BASE. VALVE BOX SHALL BE CAST IRON WITH A STANDARD COAL TAR FOUNDRY DIP WITH CAST IRON WATER DROP COVER AND THE WORK "WATER" CAST IN COVER. VALVE BOX COVER SHALL BE INSTALLED FLUSH WITH THE EXISTING CRADE ELEVATION

5. CONCRETE FOR VALVE SEATS AND THRUST BLOCKS SHALL HAVE A MINIMUM 28 DAY STRENGTH OF 3000 PSI.

6. SELECT GRANULAR BACKFILL MATERIAL SHALL BE SOIL AGGREGATE TYPE I-6 (POROUS FILL, CLEAN SAND, GRAVEL OR STONE) OBTAINED FROM DRY SOURCES AND SHALL BE FREE FROM STUMPS, BRUSH, WEEDS, ROOTS, RUBBISH, WOOD AND OTHER MATERIAL THAT MAY DECAY. GRADUATION SHALL CONFORM TO TABLE 901-2, FOR TYPE I-6 IN ARTICLE 901.09 OF THE (N.J.D.O.T.) NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED IN TWELVE (12) INCH LIFTS.

7. TIE RODS SHALL BE THREE QUARTER (3/4) INCH DIAMETER THREADED STEEL BARS. RODS SHALL HAVE A MINIMUM YIELD STRESS OF 36,000 PSI. THRUST BLOCKS AND TIE RODS SHALL BE INSTALLED AT ALL BENDS AND FITTINGS.

8. COUPLINGS SHALL BE DRESSER STYLE NUMBER 153 FOR PIPE SIZES THROUGH (30") INCH DIAMETER. FOR LARGER DIAMETER PIPE, DRESSER STYLE NUMBER 38 STEEL COUPLINGS SHALL BE USED.

9. SHEETING, SHORING AND BRACING SHALL BE CLOSED VERTICAL SHEETING, TONGUE AND GROOVE THAT IS BRACED TO PREVENT THE CAVE—IN OF TRENCHES. ALL LABOR EQUIPMENT, MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. MATERIALS FOR SHEETING SHALL BE TONGUE AND GROOVE WOODEN PLANKS AND TIMBER OR STEEL CONFORMING TO THE REQUIREMENTS OF THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION TIMBER SHALL BE A MINIMUM OF 3" THICK. SHEETING SHALL BE LEFT IN PLACE. SHORING AND BRACING SHALL BE REMOVED.

10. BROKEN STONE FOUNDATION CUSHION SHALL BE PLACED IN THOSE AREAS WHERE THE DIRECTOR, DEPARTMENT OF ENGINEERING HAS DEEMED THE SOIL CONDITIONS INFERIOR. BROKEN STONE SHALL CONFORM TO ARTICLE 901.03 OF THE STANDARD SPECIFICATIONS AS CURRENTLY AMENDED. THE SIZE OF BROKEN STONE SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER FOR SIZE NUMBER 2, 4, 5, OR 6 AS SHOWN IN TABLE 901-1. STANDARD SIZES OF COARSE AGGREGATES OF THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

11. FILTER CLOTH SHALL BE PLACED IN THOSE AREAS WHERE THE DIRECTOR, DEPARTMENT OF ENGINEERING HAS DEEMED THE SOIL CONDITIONS INFERIOR.

12. AFTER THE ENGINEER HAS INSPECTED THE COMPLETED INSTALLATION OF VALVES, AND WATER MAIN, AND BEFORE BACKFILLING THE EXCAVATIONS, THE CONTRACTOR SHALL FURNISH ALL ABOR, MATERIALS AND EQUIPMENT REQUIRED TO PRESSURE TEST THE PIPE. THE PIPE SHALL BE PRESSURIZED TO 1.5 X THE WORKING PRESSURE FOR A PERIOD OF TWO (2) HOURS. PRESSURE SHALL NOT

WORKING PRESSURE FOR A PERIOD OF TWO (2) HOURS. PRESSURE SHALL NOT VARY MORE THAN FIVE (5) PSI. THE VALVED SECTION OF PIPE SHALL BE FILLED WITH WATER SLOWLY, AND THE TEST PRESSURE SHALL BE APPLIED BY MEANS OF A PUMP CONNECTED TO THE PIPE IN A MANNER SATISFACTORY TO THE ENGINEER. BEFORE APPLYING THE TEST PRESSURE, AIR SHALL BE EXPELLED COMPLETELY FROM THE PIPE BY INSTALLING CORPORATION COCKS AT SUCH POINTS SO THAT THE AIR CAN BE EXPELLED AS THE LINE IS FILLED WITH WATER. IF THE JOINTS LEAK, REPAIRS OR REPLACEMENTS SHALL BE MADE. TESTING SHALL BE IN CONFORMANCE WITH A.W.W.A. STANDARD C600—77.

13. THE CONTRACTOR SHALL DISINFECT ALL WATER MAINS IN ACCORDANCE WITH A.W.W.A. STANDARD FOR "DISINFECTING WATER MAINS" DESIGNATION C-601.

COMMERCIAL PRODUCTS SUCH AS "HTH", "PERCHLARON", AND "MAXOXHLOR" MAY BE USED IN FLAKE OR CRYSTAL FORM, BUT IN NO INSTANCE WILL TABLETS BE PERMITTED TO BE USED IN THE DISINFECTION OF WATER MAINS. THE CHLORINE DOSAGE SHALL INITIALLY PRODUCE 50 PPM RESIDUAL TO THE WATER AND MAINTAIN A MINIMUM RESIDUAL OF 25 PPM AFTER 24 HOURS. AFTER CONTINUOUSLY FLUSHED UNTIL THE RESULTANT CHLORINE RESIDUAL EQUALS ONE PPM OR THE RESIDUAL OF THE SYSTEM, WHICHEVER IS GREATER. AFTER FINAL FLUSHING AND BEFORE THE WATER MAIN IS PLACED IN SERVICE SAMPLES SHALL BE COLLECTED FROM EACH END OF THE MAIN AND TESTED FOR BACTERIOLOGIC QUALITY. IF THE INITIAL DISINFECTION FAILS TO PRODUCE SATISFACTORY SAMPLES HAVE BEEN OBTAINED.

14. AIR RELEASE VALVES SHALL BE INSTALLED AT THE HIGH POINTS OF THE WATER MAINS.

15. ALL WATER MAINS WILL BE AT LEAST 8" IN DIAMETER. TEN (10") AND 14" DIAMETER MAINS SHALL NOT BE USED.

16. THRUST BLOCKS AND TIE RODS SHALL BE INSTALLED AT ALL BENDS AND FITTINGS.

17. HYDRANTS SHALL BE TWO (2) PIECE "JERSEY CITY STANDARD" HYDRANTS AS MANUFACTURED BY A.P. SMITH OR APPROVED EQUAL. HYDRANT SPACING SHALL BE A MAXIMUM 300 FEET MEASURED CENTER TO CENTER.

18. FOR EITHER NEW CONSTRUCTION OR RELOCATION OF THE FOLLOWING SHALL BE REQUIRED:

A. HYDRANTS SHALL BE LOCATED NO CLOSER THAN 20 FEET FROM THE POINT OF TANGENCY OR CURVATURE AT INTERSECTIONS.

B. ALL ONE PIECE OR HYDRANTS NOT MANUFACTURED BY A.P. SMITH THAT ARE TO BE RELOCATED SHALL BE REMOVED AND DELIVERED TO JERSEY CITY DIVISION OF WATER DISTRIBUTION. A NEW HYDRANT WILL BE SUPPLIED BY THE CITY FOR INSTALLATION.

C. HYDRANTS SHALL BE NO CLOSER THAN TEN (10") FEET FROM THE EDGE OF A RESIDENTIAL DRIVEWAY OR (20") FEET FROM THE EDGE OF COMMERCIAL DRIVEWAY. IN THE CASE WHERE DRIVEWAYS ARE EXPANDED OR NEWLY CONSTRUCTED, THE OWNER SHALL BE RESPONSIBLE FOR THE RELOCATION OF AN EXISTING HYDRANT IF ABOVE REQUIREMENTS ARE VIOLATED.

D. ALL SINGLE GATED HYDRANTS ON (16") INCH OR LARGER MAINS SHALL REQUIRE A NEW VALVE AT THE BASE OF THE RELOCATED HYDRANT. E. NEW GATE VALVES AND BOXES ARE REQUIRED AT THE BASE OF RELOCATED HYDRANTS WHEN MORE THAN (10") FEET OF PIPE IS REQUIRED.

19. EXISTING WATER SERVICE LINES SHALL BE SHUT-OFF AND CAPPED AT THE MAIN PRIOR TO THE INSTALLATION OF NEW WATER SERVICES. PRIOR TO NEW SERVICE TAP THE JERSEY CITY WATER DEPARTMENT SHALL INSPECT AND CERTIFY THE ABANDONED SERVICES.

20. WATER MAINS TO ABANDON SHALL BE CUT AND PLUGGED WITH REQUIRED FITTINGS, RODS AND CONCRETE AS CLOSE TO THE EXISTING MAIN IN SERVICE AS POSSIBLE

21. ALL VALVES SHALL BE OPERATED BY JERSEY CITY WATER DEPARTMENT PERSONNEL. THE CONTRACTOR SHALL NOT BE PERMITTED TO OPERATE ANY VALVES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, FIVE (5) DAYS IN ADVANCE OF VALVE OPERATING REQUIREMENTS.

22. FAILURE TO COMPLY WITH THE ABOVE REQUIREMENTS WILL RESULT IN THE IMMEDIATE SHUT-DOWN OF THE PROJECT.

08/27/07

THE JERSEY CITY MUNICIPAL UTILITIES AUTHORITY
REQUIREMENTS FOR FIRE AND DOMESTIC WATER LINE AND
METER INSTALLATIONS

1) ALL FIRE SERVICE APPLICATIONS AND ALL DOMESTIC SERVICE APPLICATIONS TWO(2) INCHES AND LARGER MUST BE SUBMITTED TO THE JCMUA'S BUREAU OF WATER ENGINEERING FOR APPROVAL. FIVE (5) SETS OF PLANS SHALL BE SUBMITTED FOR APPROVAL. ALL PLANS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT LICENSED TO PRACTICE IN

2) SUBMITTED PLANS SHALL BE STANDARD ENGINEERING DRAWINGS, SIZE 24 INCHES X 36 INCHES. INCLUDED SHALL BE A SITE PLAN SHOWING ADJACENT STREETS WITH WATER MAIN, SERVICE, AND DETAILS INDICATED. ALSO INCLUDED SHALL BE A KEY MAP SHOWING GENERAL LOCATION WITHIN THE CITY.

3) INDICATED ON THE SUBMITTED PLANS SHALL BE THE SIZE OF TAP, LOCATION OF TAPPING AND CURB GATE VALVES, DETAILED METER SET—UP, AND SIZE OF

FACILITY'S METER. ALSO INDICATED ON THE PLANS SHALL BE THE TYPE OF

OCCUPANCY OF THE FACILITY RECEIVING THE WATER SERVICE. (I.E. HOSPITAL,

WAREHOUSE, APARTMENT BUILDING, ETC.)

4) ALL EXISTING WATER SERVICE LINES TO BE ABANDONED SHALL BE CUT AND CAPPED AT THE MAIN, IN ACCORDANCE WITH JCMUA STANDARDS, AND INSPECTED WITHIN 24 HOURS AFTER INSTALLATION OF NEW TAP. THE MAXIMUM OF ONE (1) TAP SHALL BE MADE FOR BOTH DOMESTIC AND FIRE SERVICE PER FACILITY. THE TAP SHALL BE THE MAXIMUM OF ONE (1) SIZE SMALLER THAN THE CITY'S WATER MAIN. NO TAPPING SHALL BE DONE BY ANYONE EXCEPT BY UNITED WATER JERSEY CITY (UWJC) UNLESS SPECIFICALLY APPROVED BY JCMUA.

5) ONLY ONE DOMESTIC/ FIRE SERVICE IS ALLOWED FOR EACH FACILITY.
APPLICANT MAY INSTALL CHECK METERS ON INDIVIDUAL BRANCH CONNECTIONS
DOWNSTREAM OF DOMESTIC METER SETUP WHERE THERE IS MORE THAN ONE
OWNER/ TENANT FOR A FACILITY. HOWEVER, ONLY ONE WATER BILL WILL BE

6) A SOLID DUCTILE IRON TAPPING SLEEVE SUCH AS MUELLER H-615 TAPPING SLEEVE OR APPROVED EQUAL SHALL BE UTILIZED FOR ALL TAPS 2-INCHES AND LARGER. THE TAPPING SLEEVE SHALL PASS PRESSURE TESTING BASED ON AWWA STANDARDS BEFORE TAP IS MADE.

7) FOR ALL SERVICES INCLUDED HEREIN, TWO (2) GATE VALVES ARE REQUIRED THAT ARE TO BE INSTALLED BY THE APPLICANT; A TAPPING VALVE, LOCATED AT THE TAP AND CURB VALVE, LOCATED IN THE SIDEWALK BEFORE THE METER. TAPPING GATES SHALL BE FURNISHED OPENED RIGHT. ALL TAPPING AND CURB VALVES SHALL BE DOUBLE DISC GATE VALVES AND MEET AWWA STANDARDS. THE WET TAP UP TO 12 INCHES SHALL BE PERFORMED BY UWJC.

8) FOR TAPS OFF MAINS SIXTEEN (16) INCHES AND LARGER, THE APPLICANT SHALL FURNISH AND INSTALL AN ADDITIONAL GATE VALVE ADJACENT TO THE TAPPING VALVE. NO TAPS SHALL BE PERMITTED ON MAINS LARGER THAN TWENTY (20) INCHES UNLESS THERE IS NO ALTERNATIVE WATER SOURCE, AND SPECIAL WRITTEN APPROVAL IS ISSUED BY THE JCMUA.

9) VALVE BOX PARTS FOR ALL VALVES SHALL BE PROVIDED BY THE APPLICANT. ALL TAPPING GATE VALVES LARGER THAN 2-INCHES AND ALL CURB VALVES / STOPS REGARDLESS OF SIZE REQUIRE A VALVE BOX WITH THE WORD "WATER" CAST IN THE COVER. BURIED CORPORATION VALVES/ STOPS SHALL BE USED AT THE TAP FOR CLASS K COPPER SERVICES 2-INCHES AND SMALLER.

10) ALL SERVICE PIPES, SIZES 2-INCHES THROUGH 12-INCHES, SHALL BE PRESSURE CLASS 350 PSI, CEMENT-LINED DUCTILE IRON PIPE WITH MECHANICAL

JOINTS.

11) THE APPLICANT SHALL INSTALL THE METER INSIDE THE BUILDING. IF THE BUILDING LINE IS IN EXCESS OF 75 FT. FROM THE MAIN, THE APPLICANT SHALL PLACE THE METER IN A PIT NEAR THE SIDEWALK OR STREET IN CLOSE PROXIMITY TO THE TAP.

12) FOR A REGULAR FIRE SUPPRESSION SYSTEM (COMBINED SERVICE LINE LARGER THAN 2"), A COMBINED REDUCED PRESSURE DETECTOR ASSEMBLY (AMES 5000 SS, AMES 5000 RPDA OR WATTS 909 RPDA*) SHALL BE INSTALLED ON THE MAIN FIRE SERVICE LINE AND A REDUCED PRESSURE BACKFLOW PREVENTER ON THE BYPASS (AMES 4000 SS OR WATTS 909*) (REFER TO FIGURE 1). ON THE LIMITED FIRE SUPPRESSION SYSTEM (COMBINED SERVICE LINE 1.5" OR 2"), A FIRE LINE DETECTOR CHECK WITH A SINGLE CHECK VALVE (AMES 1000 DCV*) SHALL BE INSTALLED ON THE MAIN FIRE LINE AND A REDUCED PRESSURE BACKFLOW PREVENTER (AMES 4000 SS OR WATTS 909*) SHALL BE INSTALLED DOWNSTREAM OF THE BYPASS (REFER TO FIGURE 2). ALL REGULAR FIRE SUPPRESSION SYSTEMS MUST HAVE OS&Y VALVES, HOWEVER, LIMITED FIRE SUPPRESSION SYSTEMS MAY USE BALL VALVES (VICTAULIC SERIES 728 FIRELOCK*) INSTEAD OF OS&Y VALVES. THE FIRE UNIT SHALL BE FURNISHED WITH A 5/8 INCH X 3/4 INCH METERED BYPASS. BYPASS METERS SHALL BE JERSEY CITY STANDARD SINGLE DISPLACEMENT SENSUS METERS WITH TOUCHPAD AND RADIO READ CAPABILITIES. THE SAME RADIO MXU UNIT SHALL BE USED FOR A COMBINED

13) FOR DOMESTIC SERVICE, AN APPROVED REDUCED PRESSURE BACKFLOW PREVENTER (AMES 4000 SS OR WATTS 909*) IS REQUIRED WHEN THE JCMUA DETERMINES THAT THERE IS A CROSS-CONNECTION HAZARD AND THE FACILITY PRESENTS A THREAT TO THE CITY'S DISTRIBUTION SYSTEM WATER QUALITY IN ACCORDANCE WITH THE PLUMBING SUBCODE OF THE NEW JERSEY STATE UNIFORM CONSTRUCTION CODE, NJAC 5: 23-3.15 AND THE NEW JERSEY SAFE DRINKING WATER ACT NJAC 7:10-10 PHYSICAL CONNECTIONS AND CROSS CONNECTIONS CONTROL BY CONTAINMENT. SOME SERVICES WHICH REQUIRE SUCH DEVICES INCLUDE: A HOSPITAL, SCHOOL, CHEMICAL PLANT, FACTORY, AND A FACILITY WITH SEWAGE EJECTORS.

14) IF A REDUCED PRESSURE BACKFLOW PREVENTER IS NOT REQUIRED ON THE DOMESTIC SERVICE, A CHECK VALVE SHOULD BE INSTALLED DOWNSTREAM OF THE TEST TEE.

15) ALL METERS SIZES 2 INCHES THROUGH 6 INCHES SHALL BE SINGLE COMPOUND METERS AND ALL METERS 8 INCHES AND LARGER SHALL BE DUPLEX COMPOUND MANIFOLD METERS.

16) ALL METERS SHALL BE ADEQUATELY RESTRAINED WITH METAL BRACKETS FASTENED TO THE FLOOR OR WALL OR OTHER APPROVED MEANS SUCH AS UNIFLANGES WHERE INTERNAL PIPE PRESSURE AND FLOW WARRANT SUCH RESTRAINTS. METERS, DETECTOR CHECKS, AND VALVES MAY BE SEATED ON CONCRETE BLOCK AND TAPERED SHIMS TO PROVIDE ADEQUATE SUPPORT. METERS SHALL BE INSTALLED APPROXIMATELY 36" ABOVE FLOOR GRADE.

17) ALL METER INSTALLATIONS IN METER PIT OR VAULT SHALL BE PRE-APPROVED BY JCMUA ANDHAVE PROPER ACCESS OPENINGS FOR METER READING AND REPLACEMENT.

18) EACH COMPOUND METER SHALL HAVE STRAINER INSTALLED ON THE INLET SIDE IMMEDIATELY BEFORE THE METER. ALL STRAINERS MUST BE PURCHASED FROM JCMUA OR ITS AUTHORIZED AGENT.

19) ALL METERS 2" AND LARGER SHALL BE FURNISHED WITH SENSUS ECR/WP REMOTE TOUCH PAD MODULES AND RADIO MXU UNITS FOR BOTH TYPES OF READING CAPABILITIES.

20) REMOTE TOUCH PAD MODULE WIRE SHALL BE CONNECTED TO THE METER REGISTER UTILIZING A GEL CAP FOR WATERTIGHT SEALING OF ALL TERMINAL CONNECTIONS. TOUCH PADS MAY BE WALL MOUNTED OR LID MOUNTED WHERE A METER PIT IS UTILIZED. TOUCH PADS ARE TO BE INSTALLED ON EXTERIOR BUILDING WALL FACING THE STREET AND LOCATED AS CLOSE AS POSSIBLE TO STREET. THE RADIO MXU UNIT MUST BE INSTALLED WITH MOUNTING BRACKET AND LIKEWISE IS TO BE INSTALLED IN PROXIMITY TO STREET.

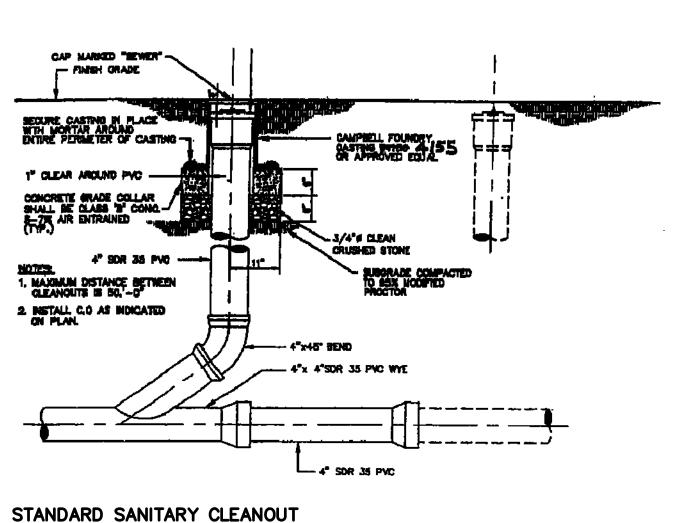
21) ALL INSTALLATIONS OF EQUIPMENT AND COMPONENTS SHALL BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

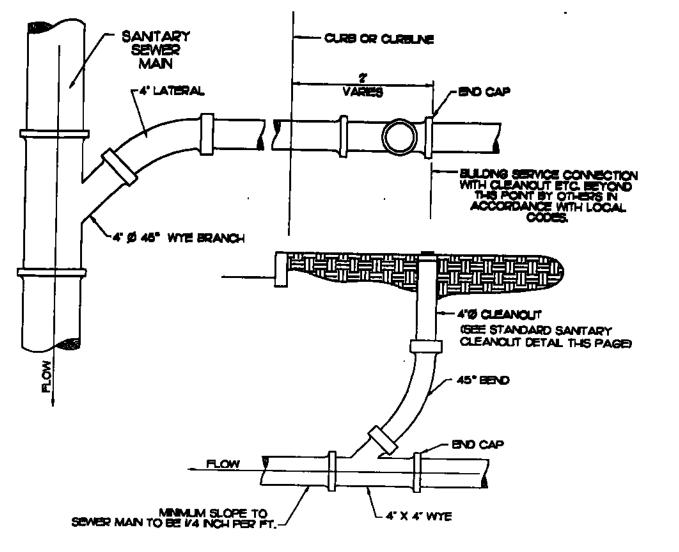
22) ALL METERS INCLUDING TOUCH PAD MODULES, AND RADIO MXU UNITS SHALL BE PURCHASED THROUGH THE PERMIT CLERK AT JCMUA OFFICE. APPROVED PLANS MUST BE SUBMITTED TO THE PERMIT CLERK FOR ISSUANCE OF REQUIRED PERMITS.

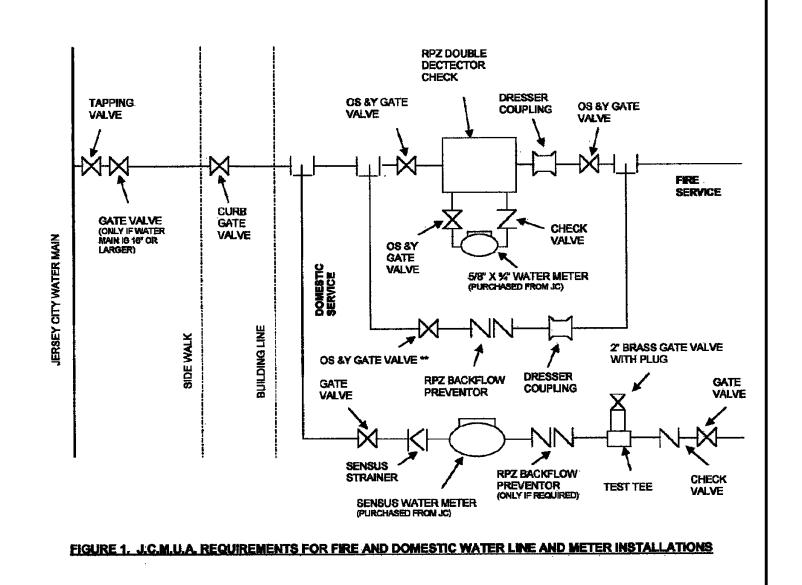
23) AFTER OBTAINING THE REQUIRED PERMITS (STREET OPENING, TAP, AND METER) THE APPLICANT SHALL CALL UWJC AT (201) 239-1108 TO SCHEDULE THE TAP. THE EXCAVATION SHALL BE COMPLETED TWENTY-FOUR (24) HOURS PRIOR TO THE SCHEDULED TAP, AND VERIFIED BY JCMUA OR ITS AUTHORIZED AGENT BEFORE THE TAP WILL BE INSTALLED. EXCAVATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS FOR SHEETING AND SAFETY.

24) UPON COMPLETION OF THE INSTALLATION, THE APPLICANT SHALL SUBMIT THREE (3) SETS OF "AS BUILT" PLANS, TO THE JCMUA'S BUREAU OF WATER ENGINEERING. THE JCMUA WILL AUTHORIZE SUPPLY WATER UPON ACCEPTANCE OF THE "AS BUILT" DRAWINGS.

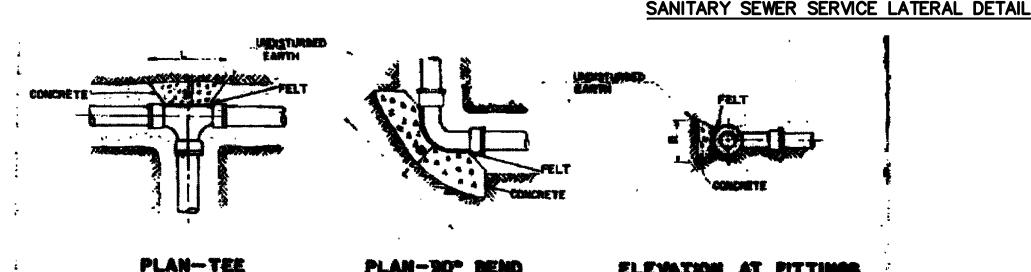
* SPECIFIED MODEL OR APPROVED EQUAL. 06/28/06



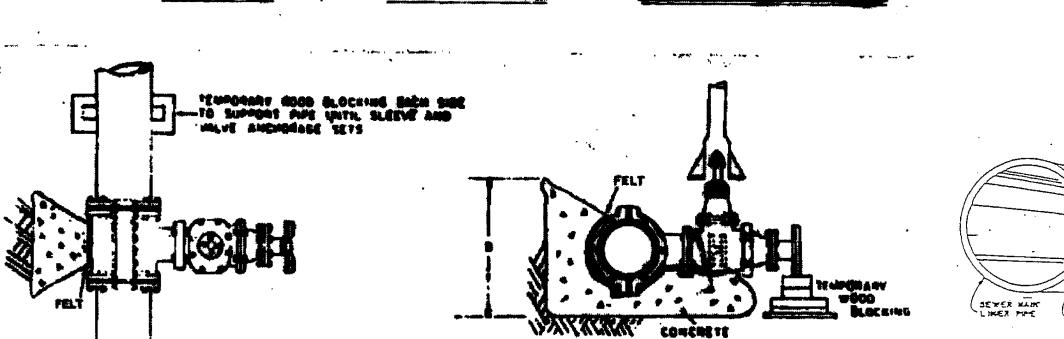




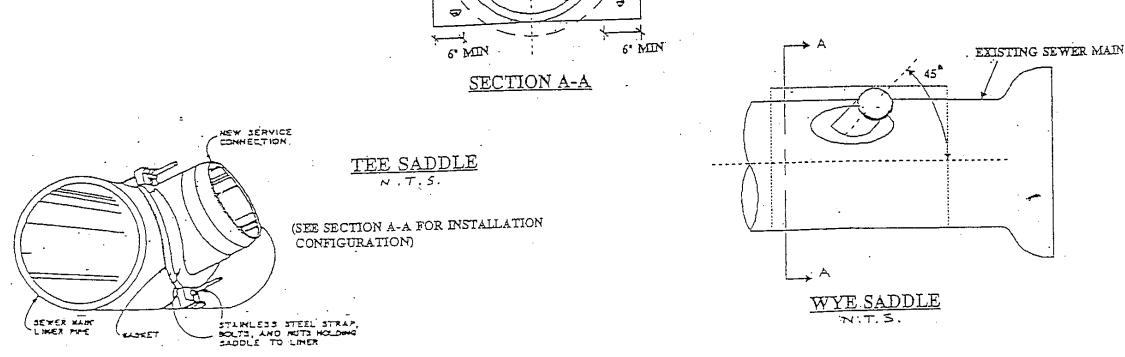
CLASS 'B' CONCRETE



TAPPING SLEEVE. AND TAPPING WALVE DETAIL



NOT TO SCALE



MAIN

⊕

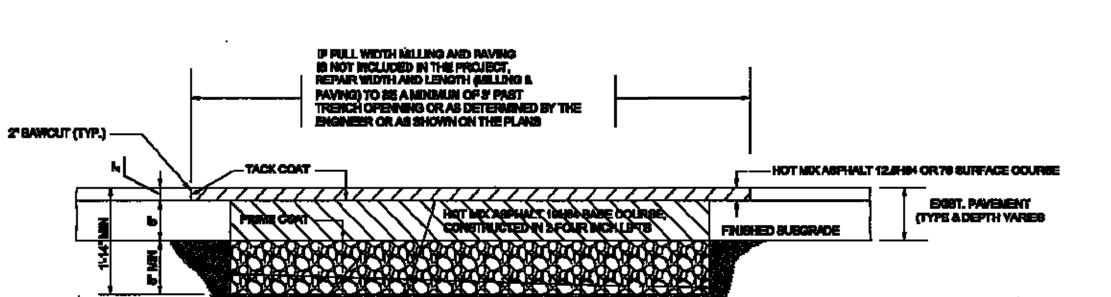
6" MIIN

DIAMETER VARIES

(24° MAX)

SEWER CONNECTION TO CLAY SEWER DETAIL

UNDISTURBED SUFFABLE SOL



ROADWAY EXCAVATION,

DENSE GRADED ADDREGATE BASE COURSE

UNCLASSITED PAY LIMITS

NOT TO SCALE

HOT MIX ASPHALT PAVEMENT REPAIR DETAIL

EDGE SHALL BE STRAIGHT, RC 70 TACK

LIBIT OF PAYMENT

EQGET PAVENENT

PEATHER TO EXCET. PAVENENT

EXCET PAVENENT

PEATHER TO EXCET. PAVENENT

EXCET PAVENENT

TYPICAL TRENCH DETAIL

DEFINE TRAFFIC • STRUCTURAL • E

1 AVE NJ 03 .670.6

CALISTO J. BERTIN, P.E.

PROFESSIONAL ENGINEER

CT LIC. NO. 12950 NJ LIC. NO. 28845

MA LIC. NO. 40595 NY LIC. NO. 60022

NH LIC. NO. 9368 RI LIC. NO. 6694

ERIC M. HOUGH, P.E.
PROFESSIONAL ENGINEER
NJ LIC. NO. 51893

NOT TO SCALE

UTILITY DETAILS

PROPOSED
3-FAMILY BUILDING

BLOCK 4601, LOT 17 221 LIBERTY AVENUE CITY OF JERSEY CITY COUNTY OF HUDSON, NJ

G.N. MANAGEMEMT INC.

101 HUDSON STREET, SUITE #2100 JERSEY CITY, NJ 07302

CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800

DRAWN BY CHECKED BY

M.B.L.

CALE
AS SHOWN

AS SHOWN

ATE
3-23-22

RAWING NO.

C3.1