

### **GENERAL NOTES**

REFER TO ARCHITECTURAL PLANS, PERFORMED BY NASTASI ARCHITECTS FOR BUILDING AND ADDITIONAL SITE/GRADING/UTILITY FEATURES. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERMITTING AUTHORITIES.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.

THE PROPERTY SURVEY IS CONSIDERED A PART OF THESE PLANS.

5. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

SOLID WASTE TO BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. ALL EXCAVATED UNSUITABLE MATERIAL MUST BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION.

THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION AND SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS, AS WELL AS ADDITIONAL PROVISIONS TO ASSURE STABILITY OF CONTIGUOUS STRUCTURES, AS FIELD CONDITIONS DICTATE. 9. THE PROPERTY CORNERS MUST BE STAKED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ITEMS AND FEATURES WHICH ARE TO REMAIN WHETHER SHOWN ON THE DRAWINGS OR NOT.

11. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFEGUARDS INCLUDING THE INSTALLATION OF SHORING, STRUCTURAL SUPPORTS, PROTECTIVE FENCING AND BARRIERS, ETC., AS MAY BE REQUIRED TO PREVENT UNAUTHORIZED ENTRY INTO THE CONSTRUCTION SITE, DAMAGE TO ADJACENT PROPERTY OR INJURY TO PERSONS

12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM CONSTRUCTION STAKE-OUT OF ALL BUILDINGS AND SITE IMPROVEMENTS. 13. THE CONTRACTOR SHALL PROVIDE AND PAY FOR ALL MATERIALS, LABOR, TOOLS EQUIPMENT, WATER, SANITARY FACILITIES, LIGHT, POWER, HEAT, TELEPHONE, TRANSPORTATION AND SUPERINTENDENCE FOR TEMPORARY CONSTRUCTION, SERVICES AND FACILITIES OF EVERY NATURE WHATSOEVER NECESSARY TO EXECUTE, COMPLETE AND DELIVER THE WORK WITHIN THE SPECIFIED TIME. 14. THE CONTRACTOR SHALL MAINTAIN AND PROTECT TRAFFIC AS REQUIRED DURING THE COURSE OF CONSTRUCTION IN SUCH A MANNER SATISFACTORY

TO THE OWNER'S FIELD REPRESENTATIVE AND ANY OTHER AUTHORITY HAVING JURISDICTION. 15. THE CONTRACTOR SHALL CLEAN UP AND REMOVE ALL REFUSE RUBBISH, SCRAP MATERIALS, UNSUITABLE MATERIALS AND DEBRIS CAUSED BY HIS/HER OPERATIONS SO THAT, AT ALL TIMES, THE SITE OF THE WORK SHALL PRESENT A NEAT, ORDERLY AND WORKMANLIKE APPEARANCE. 16. THE CONTRACTOR SHALL, AT HIS/HER OWN EXPENSE, REPAIR OR REPLACE ALL GROUND SURFACES, PAVEMENTS, SIDEWALKS, CURBS, ETC., WHICH ARE TO REMAIN AND WHICH MAY BECOME DISTURBED OR DAMAGED DUE TO HIS/HER OPERATION.

### GRADING, EXCAVATION, AND BACKFILLING NOTES:

THE ELEVATIONS SHOWN ON THESE PLANS REFER TO NAVD 1988 (NAVD88). THE CONTRACTOR SHALL PREVENT WATER FROM ENTERING EXCAVATED AREA AND MAINTAIN A DRY CONDITION AT ALL TIMES.

DO NOT PLACE FILL OR BACKFILL ON FROZEN SUBGRADE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE SOIL MATERIAL. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY PER ASTM TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM.

PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% GUTTER GRADE ALONG CURB FACE.

### UTILITY NOTES

1. LOCATION OF EXISTING UTILITIES IS APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS INDEPENDENTLY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY SHOULD DISCREPANCIES EXIST 2. LOCATION OF ELECTRIC AND COMMUNICATION SERVICES IS APPROXIMATE AND MUST BE CONFIRMED BY SERVICE PROVIDER. LOCATIONS OF

TRANSFORMERS, PULL BOXES, ETC., AS WELL AS CONSTRUCTION SPECIFICATIONS TO BE DETERMINED AT PRE-CONSTRUCTION MEETING WITH UTILITY PROVIDER. 3. IT IS THE CONTRACTORS RESPONSIBILITY TO CALL THE NJ ONE CALL CENTER A MINIMUM OF 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY

CONSTRUCTION. 4. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF UTILITY CONNECTIONS TO BUILDING(S). SHOULD ANY DISCREPANCIES EXIST, THE ARCHITECTURAL PLANS SHALL GOVERN. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY SHOULD DISCREPANCIES IN

UTILITY SERVICES EXIST SHOULD INTERFERENCE BETWEEN UTILITIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY WHERE SHOWN ON THE CONTRACT DRAWINGS, ADJUST THE CASTINGS OF EXISTING CATCH BASINS, MANHOLES AND VALVE BOXES TO FINISHED GRADE

OF NEW PAVEMENT. CIRCULAR REINFORCED CONCRETE PIPE SHALL BE CLASS III UNLESS OTHERWISE STATED ON THE CONTRACT DRAWINGS. (ASTM C-76, ASTM C-443, AASHTO M-170).

8. WHERE CONNECTIONS TO EXISTING DRAINAGE OR SANITARY STRUCTURES ARE REQUIRED, CUT NEATLY WITHOUT PERCUSSION INTO THE EXISTING STRUCTURE. THE MAXIMUM SIZE OF THE OPENING SHALL NOT EXCEED THE PIPE'S OUTER DIAMETER PLUS THREE (3") INCHES. CONNECT THE NEW PIPE AND SEAL AROUND IT WITH SIKAFLEX-2C OR APPROVED EQUAL.

9. PORTLAND CEMENT CONCRETE SHALL BE CLASS B, 28 DAY COMPRESSIVE STRENGTH OF 4,500 PSI, AIR-ENTRAINED UNLESS OTHERWISE NOTED. ALL EXISTING UTILITIES SHALL BE ADJUSTED TO FINAL GRADE IN ACCORDANCE WITH CURRENT TOWNSHIP REQUIREMENTS AND PRACTICES. 10. THE ROADWAY AND CURBING MARK-OUTS MUST BE ESTABLISHED PRIOR TO THE INSTALLATION OF NEW UTILITIES.

11. DUCTILE IRON PIPE TO BE CLASS 52, FULL BODY MECHANICAL JOIN IN ACCORDANCE WITH ASTM A536. 12. PVC PIPING SHALL BE ASTM D 2665, SCHEDULE 40.

13. THE PROXIMITY OF UTILITY PIPES, LESS THAN 10 FEET APART HORIZONTALLY AND 18 INCHES VERTICALLY MAY INTERFERE WITH CONSTRUCTION & MAINTENANCE. SANITARY SEWER LINES SHOULD BE CONSTRUCTED BELOW STORM LINES, BUT IF NOT POSSIBLE, ENCASEMENT MAY BE REQUIRED CONTRACTOR SHALL CONSULT ENGINEER SHOULD THIS OCCUR.

### JCMUA STANDARD REQUIREMENTS FOR NEW SANITARY AND STORM SEWER SERVICE LATERALS ALL SEWER SERVICE CONNECTIONS 6-INCHES IN SIZE OR SMALLER MUST BE MADE DIRECTLY TO THE SEWER MAIN AND ALL CONNECTIONS 8-INCHES IN SIZE OR LARGER MUST BE MADE TO A MANHOLE. WHERE A CONNECTION TO A MANHOLE IS REQUIRED, MANHOLE BENCH AND CHANNEL MAY REQUIRE MODIFICATION.

2. THE JCMUA REQUIRES THAT SEWER SERVICE CONNECTIONS TO BE RE-USED BE TELEVISED TO VERIFY STRUCTURAL INTEGRITY AND THAT THE PIPE IS FREE FROM ANY DEFECTS OR OBSTRUCTIONS. 3. EACH BUILDING SERVICE LATERAL STORM AND SANITARY MUST HAVE A T-WYE CLEANOUT INSTALLED APPROXIMATELY 1-FT FROM THE CURB IN THE

SIDEWALK. CLEANOUTS SHALL BE 5" (MIN) CAST IRON FERRULE WITH A 4" IBTS BRASS CAP. T-WYE CLEANOUTS WHICH ENABLE CLEANING IN BOTH DIRECTIONS SHOULD BE INSTALLED ON BOTH THE STORM AND SANITARY LATERAL. SEE OUR DETAIL TITLED "STANDARD SANITARY CLEANOUT" (REFER TO ATTACHED DETAIL DRAWINGS).

4. PROPOSED SEWER LATERAL CONNECTION TO JCMUA'S SEWER MAIN SHALL BE MADE ABOVE HORIZONTAL CENTER LINE OF PIPE (REFER TO ATTACHED SEWER SERVICE CONNECTION DETAILS). THE SIZE, MATERIAL, DEPTH, CONDITION, DIRECTION OF FLOW AND ANY OTHER RELEVANT CONDITIONS OF THE EXISTING JCMUA SEWER TO WHICH

YOU PLAN TO CONNECT MUST BE FIELD VERIFIED BY DEVELOPER TO DETERMINE IF SAID CONNECTION IS PHYSICALLY POSSIBLE AND PRACTICAL. IN ADDITION, MANHOLE INVERTS AND RIM ELEVATION MUST BE SHOWN ON PLANS. THIS VERIFICATION IS TO BE INCLUDED ON THE PLANS FOR THE PROJECT

6. CIRCULAR HOLE SAWS OR CORE DRILLS APPROPRIATELY SIZED TO MAKE THE OPENINGS IN THE EXISTING SEWER TO RECEIVE THE LATERALS MUST BE USED. JACKHAMMERS, SLEDGEHAMMERS AND OTHER UNSUITABLE TOOLS OR MACHINERY WHICH MAY DAMAGE THE JCMUA'S SEWER MAIN ARE NOT <u>ALLOWED TO BE USED TO MAKE THE LATERAL OPENINGS.</u> ALL DEBRIS MUST BE REMOVED AND NOT ALLOWED TO FALL INTO PIPE. 7. A DETAIL OF ANY PROPOSED MANHOLE OR CATCH BASIN SHOWING ALL DIMENSIONS IN ADDITION TO RIM, GRATE AND INVERT ELEVATIONS OF THE

STRUCTURE AND ALL PIPES CONNECTED TO THE STRUCTURE MUST BE SHOWN ON PLANS. REFER TO JCMUA STANDARD DETAIL DRAWINGS FOR MANHOLES AND CATCH BASINS.

PROPOSED MANHOLES CONSTRUCTED IN THE PUBLIC R.O.W. ON EXISTING OR PROPOSED JCMUA SEWERS SHALL BE FURNISHED WITH CONCENTRIC MANHOLE COVERS AS MANUFACTURED BY CAMPBELL FOUNDRY CO., PATTERN #4428 OR EQUAL WITH OUTSIDE COVER DIAMETER OF 31-3/4 INCHES AND INSIDE COVER DIAMETER OF 24 INCHES. THE LETTERS "JCMUA" AND "SEWER" SHALL BE CAST IN THE OUTER FACE COVER. MANHOLE FRAMES SHALL BE CAMPBELL FOUNDRY CO. PATTERN #4428 (FOR 30-INCH OPENING) OR #1206 (FOR 41-INCH OPENING) OR EQUAL FURNISHED WITH A PATTERN #4428 CONCENTRIC COVER AS SPECIFIED IN THE PRECEDING PARAGRAPH.

REFER TO JCMUA'S STANDARD DETAIL FOR MANHOLE FRAME AND COVERS.

STORM INLETS WHICH ARE CONNECTED DIRECTLY TO JCMUA COMBINED SEWERS MUST BE FURNISHED WITH A SUMP AND TRAP AS PER JCMUA STANDARD DETAILS.

10. THE JCMUA HAS A COMBINED SEWER SYSTEM WHICH SURCHARGES DURING WET WEATHER PERIODS RESULTING IN POSSIBLE SEWAGE BACK-UPS THROUGH PLUMBING FIXTURES (SINKS, TOILETS, FLOOR DRAINS, ETC.) BELOW STREET LEVEL. JCMUA WILL NOT BE RESPONSIBLE FOR ANY POSSIBL SEWAGE BACK-UPS AND FLOODING IN BASEMENTS DUE TO SURCHARGING SEWER CONDITIONS IN WET WEATHER EVENTS. THIS POSSIBILITY MUST BE ADDRESSED DURING THE DESIGN AND CONSTRUCTION PHASE.

11. A DROP MANHOLE CONNECTION SHALL BE USED WHERE THERE IS A DIFFERENCE IN ELEVATION OF TWO (2) FEET OR GREATER BETWEEN THE INVERT OF A SANITARY OR COMBINED INLET PIPE TO MANHOLE AND THE CROWN OF THE OUTLET PIPE FROM MANHOLE. REFER TO ATTACHED JCMUA=S STANDARD DETAIL FOR DROP MANHOLE CONNECTION WHICH MUST BE SHOWN ON SITE PLAN IF REQUIRED

12. TEST PITS MUST BE PERFORMED AT THE DEVELOPER'S EXPENSE DURING THE DESIGN PHASE OF THE PROJECT TO ENSURE THAT PROPOSED SEWERS AND SEWER SERVICES MAY BE CONSTRUCTED AS PROPOSED WITHOUT CONFLICTING WITH OTHER UNDERGROUND UTILITIES OR STRUCTURES. 13. LATERAL CONNECTIONS MUST BE CUT 8-INCHES FROM SEWER MAIN, A NON-HUB STAINLESS STEEL COUPLING AND A 6-INCH LONG SECTION OF SCH-40 PVC PIPE WITH CAP MUST BE INSTALLED AS PER ATTACHED "JCMUA - SEWER LATERAL ABANDONMENT DETAIL". ALL EXISTING SEWER MAINS AND UPSTREAM SANITARY LATERALS TO BE ABANDONED MUST BE FILLED WITH CONCRETE SLURRY OR REMOVED FROM THE GROUND. PRECAUTIONS MUST BE UNDERTAKEN BY THE CONTRACTOR TO ENSURE CONCRETE AND OTHER MATERIALS DO NOT ENTER THE SEWER MAIN AND CREATE

OBSTRUCTION(S). CATCH BASINS AND MANHOLES MUST BE REMOVED FROM THE GROUND. 14. ALL NEW SANITARY AND STORM LATERAL CONNECTIONS INTO THE COMBINED SEWERS AND ALL SANITARY AND STORM LATERAL DISCONNECTIONS MUST BE WITNESSED AND INSPECTED BY JCMUA INSPECTORS. JCMUA MUST BE NOTIFIED TWO DAYS IN ADVANCE PRIOR TO MAKING ANY SANITARY AND STORM LATERAL CONNECTIONS OR DISCONNECTIONS. ALL NOTIFICATIONS MUST BE DONE BY CERTIFIED MAIL: JCMUA ENGINEERING, 555 ROUTE 440 JERSEY CITY, NEW JERSEY 07305 OR EMAIL: ENGINEERING@JCMUA.COM

15. BEDDING AND BACKFILL MATERIAL SHALL COMPLY WITH THE REQUIREMENTS OF THE NJDOT'S STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE DESIGN AND CONSTRUCTION OF URBAN STORMWATER MANAGEMENT SYSTEMS, ASCE MANUALS AND REPORTS OF ENGINEERING PRACTICE NO. 77, 1993, AS APPLICABLE

16. STREET PAVEMENT MUST RESTORE AND INFRARED AS PER JERSEY CITY DIVISION OF ENGINEERING, TRAFFIC AND TRANSPORTATION REQUIREMENTS. 17. ALL PROPOSED INLETS/CATCH BASINS MUST BE CONSTRUCTED WITH A BICYCLE SAFE GRATE AND CAMPBELL FOUNDRY CO. TYPE "N"CURB PIECE WHERE REQUIRED.

18. PROPOSED WATER SERVICES REQUIRE THE REVIEW AND APPROVAL OF THE JCMUA ENGINEERING DEPARTMENT 19. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS FOR STREET OPENINGS FROM THE JERSEY CITY DIVISION OF ENGINEERING, TRAFFIC AND TRANSPORTATION LOCATED AT 13-15 EAST LINDEN AVE, JERSEY CITY, NJ AND ALL OTHER APPLICABLE PERMITS FROM AGENCIES HAVING JURISDICTION 20. THE SYSTEM DESIGNER IS ALSO RESPONSIBLE FOR COMPLIANCE WITH THE APPLICABLE REGULATIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, NJDEP RULES AND REGULATIONS GOVERNING TREATMENT WORKS APPROVAL PROGRAM, LOCAL CODES AND ORDINANCES, FEDERAL AND STATE REGULATIONS ETC. IN ADDITION TO OTHER REOUIREMENTS THAT MAY BE IMPOSED BY THE JCMUA.

## EXSTIMATED SEWAGE DEMAND:

TYPE OF ESTABLISHMENT
RESIDENTIAL DWELLING (APARTMENTS)

# GPD = GALLONS PER DAY

### PIPE FLOW CALCULATIONS:

ROOF DRAIN LEADER CAPACITY (6" PVC): DRAINAGE AREA = 0.04 ACIMPERVIOUS AREA = 0.04 AC. (CN=0.95) PERVIOUS AREA = 0.00 AC. RAINFALL INTENSITY = 7.4 IN/HR (25-YEAR STORM)

 $Q(DESIGN) = ciA = (0.04 Ac. \times 7.4 \times 0.95) = 0.30 CFS$ 

 $Q(CAPACITY) = \frac{1.49}{n} AR^{2/3}S^{1/2}$ 

 $Q(CAPACITY) = (1.486/n) * A * R^{2/3} * S^{\frac{1}{2}}$ 

Q(CAPACITY) = 0.442 cfs = 0.286 MGD

## 1.92 CFS (CAPACITY) > 0.30 CFS (DESIGN) **{OK}**

### COMBINED SANITARY + STORMWATER DISCHARGE CAPACITY (8" DIP) 0.30 CFS (STORMWATER DISCHARGE) + 0.003 CFS (SANITARY SEWER DISCHARGE) CFS = 0.303 CFS (0.196 MGD)

where:

PER MANNING'S EQUATION (CAPACITY  $\frac{1}{2}$  FULL):

 $Q1/2 = (1.486/n) * A * R^{2/3} * S^{\frac{1}{2}}$ 

Q1/2 = 0.628 cfs = 0.406 MGD

Q1/2 = 0.406 MGD > 0.392 cfs (0.196 CFS x 2) **{OK}** 

V = (Q1/2)/A

V = 0.628 / 0.10 V = 6.28 ft/sec {<u>OK</u>}

1	NUMBER OF UNITS	GPD PER UNIT <sup>2</sup>	GPD
	(12) 1-BR UNITS (STUDIO UNITS)	150	1,800
		PROJECTED FLOW	1,800 GPD (0.003 CFS)

### CALCULATED PER N.J.A.C. 7:14 - 23.3 (PROJECTED FLOW CRITERIA)

- $Q(CAPACITY) = (1.486/0.012)*(0.39)*(0.25)^{2/3}*(0.010)^{\frac{1}{2}}$
- n = Manning's roughness coeff. A = Area (full) R = Hydraulic Radius (full) S = slope (ft/ft)

Q = pipe capacity (cfs)

THE PROPOSED 6" DIP GRAVITY COMBINATION STORM/SEWER PIPE HAS BEEN DESIGNED TO HAVE SUFFICIENT CAPACITY TO CARRY AT LEAST TWICE THE ESTIMATED AVERAGE PROJECTED FLOW WHEN FLOWING HALF FULL

- $Q1/2 = (1.486/0.012)^*(0.17)^*(0.163)^{2/3} * (0.010)^{1/2}$
- Q = pipe capacity (cfs) n = Manning's roughness coeff. A = Area (half full)
- R = A/P = Hydraulic Radius (half full)S = slope (ft/ft)

IN ACCORDANCE WITH NJAC 7:14A-23.6(B).2., THE MINIMUM SLOPE FOR AN 8" DIAMETER DIP SEWER PIPE SHALL BE 0.40 FEET IN FALL PER 100 FEET OF SEWER. GRADES PRODUCING VELOCITIES GREATER THAN 10 FEET PER SECOND ARE NOT RECOMMENDED. THE FOLLOWING IS A CALCULATION OF THE EXPECTED PIPE VELOCITY WHEN FLOWING HALF-FULL.

where:

V = Velocity (ft/sec)Q = flow (cfs)A = Area (half full)

### **PROJECT NOTES**

- THIS PROJECT REFERENCES A SURVEY PREPARED BY: SHARK RIVER LAND SURVEYING LLC
- 12 BELLE PLACE, NEPTUNE CITY, NJ 07753
- 732.807.3606 (OFFICE) PROJECT NUMBER: 19-268 - DATED: 3/20/20
- PROPERTY LOCATION: BLOCK 9404, LOT 33
- PROPERTY ADDRESS: 810 PAVONIA AVENUE, JERSEY CITY, NJ 07306
- ZONE: JOURNAL SQUARE 2060 REDEVELOPMENT
- EXISTING/PROPOSED USE: MULTI-FAMILY RESIDENTIAL
- LOT AREA: 2,500.00 SQ. FT. (±0.057 AC.)

# LEGEND PROPOSED BUILDING (BY ARCHITECT) PROPOSED CONCRETE AREA (BY ARCHITECT) <u>م</u> م PROPOSED CONCRETE CURB (BY ARCHITECT) + 3.25 PROPOSED SPOT ELEVATION PROPOSED DIP STORM PIPE PROPOSED PVC STORM/SEWER PIPE PROPOSED WATER LINE (BY ARCHITECT) \_\_\_\_W\_\_\_\_ PROPOSED SANITARY LATERAL PROPOSED GAS LINE (BY ARCHITECT) ----G-----PROPOSED OVERHEAD WIRE (BY ARCHITECT)





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-CONCRETE BENCHING; CONCRETE SHALL BE NJDOT CLASS 'B' WITH A 28-DAY COMPRESSIVE VERIFICATION

CONCRETE BASE (ASTM

CRUSHED STONE NJDOT #57 COARSE



CUT, CAP &

WITH GROUT OR

FLOWABLE FILL

FILL ABANDONED PIPE



60 GRAND AVENU

ENGLEWOOD. NJ 07631 201.227.0300 • 201.227.0001 (Fax)

TENAFLY, NJ 07670 SURVEYOR: SHARK RIVER LAND SURVEYING LLC

12 BELLE PLACE NEPTUNE CITY, NJ 07753 732.807.3606 (PHONE)

ARCHITECT: NASTASI ARCHITECTS 321 NEWARK STREET HOBOKEN, NJ 07030



PROJECT TITLE & LOCATION:

810 PAVONIA AVENUE

BLOCK: 9404, LOT: 33

**4 STORY RESIDENTIAL BUILDING** 

JERSEY CITY, HUDSON COUNTY, NJ