

PROPERTY OWNERS WITHIN 700 FT.

PNC BANK NA NATL TAX SEARCH, LLC 1115-25 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 616, LOT 4 (DEED BOOK 6105 PAGE 2016)	
SCOTT & JED EFRUS 1120-38 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 623, LOT 4 (DEED BOOK 4882 PAGE 52)	
WALGREEN EASTERN CO. INC 1127-45 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 616, LOT 5.01 (DEED BOOK 4981 PAGE 54)	
SRJN, LLC 1140-42 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 623, LOT 5 (DEED BOOK 3667 PAGE 73)	
PLAINFIELD GAS REALTY, LLC 1144-48 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 623, LOT 6 (DEED BOOK 5866 PAGE 505)	
FREEHOLD S. L. LTD PARTNERSHIP 1202-14 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 625, LOT 1 (DEED BOOK 4607 PAGE 271)	
VINCENT J. SOUTELLE 1203-11 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 624, LOT 1 (DEED BOOK 3591 PAGE 275)	
FRIENDS OF CJA C/O ASSURANCE REALTY 1213-33 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 624, LOT 2 (DEED BOOK 5817 PAGE 771)	
CENTURION PLAINFIELD 1216-42 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 625, LOT 2 (DEED BOOK 6426 PAGE 2473)	
P&A FENNELL FOODS, INC 1235-45 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 624, LOT 3 (DEED BOOK 3883 PAGE 332)	
FRIENDS OF CJA C/O ASSURANCE REALTY 1247-71 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 624, LOT 4.01 (DEED BOOK 5817 PAGE 771)	
UNIFIED HOLDINGS, LLC 1248-50 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 625, LOT 10 (DEED BOOK 6230 PAGE 498)	
JULIUS NAGY JR. 1253-58 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 625, LOT 11 (DEED BOOK 5701 PAGE 103)	
NEW JERSEY BELL TELEPHONE CO. 1260-70 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 625, LOT 12 (DEED BOOK 3801 PAGE 340)	
MCDONALDS REAL ESTATE CO. 1273-97 SOUTH AVENUE, PLAINFIELD, NJ 07062 BLOCK 624, LOT 4.02 (DEED BOOK 5757 PAGE 490)	

UTILITIES

CABLE	COMCAST CABLEVISION 73 ROCK AVENUE PLAINFIELD, NJ 07063
GAS/ELECTRIC	PUBLIC SERVICE ELECTRIC & GAS COMPANY 80 PARK PLAZA, T6B NEWARK, NJ 07101
FIBER OPTICS	AT&T CORPORATION ATTN: NANCY PENCE 2315 SALARY ROAD CONYERS, GA 30013
TELEPHONE	VERIZON NEW JERSEY, INC. C/O DUFF & PHELPS PO BOX 279 ADDISON, TX 75001
WATER	NEW JERSEY AMERICAN WATER COMPANY PO BOX 5627 CHERRY HILL, NJ 08034
SANITARY SEWER	PLAINFIELD MUNICIPAL UTILITIES AUTHORITY 127 ROOSEVELT AVENUE PLAINFIELD, NJ 07060
STORM SEWER	CITY OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS 515 WATCHUNG AVENUE PLAINFIELD, NJ 07060

INDEX OF SHEETS

SHT. No.	DESCRIPTION	LATEST REVISION
1	COVER SHEET	
2	UTILITY PLAN	
3	TRAFFIC CONTROL PLAN	
4	CONSTRUCTION DETAILS	

PLAINFIELD

Netherwood

Saint Marys Cem

PROJECT LOCATION

28

7TH ST

COOLIDGE ST

STERLING ST

SOUTH AVE

NORTH AVE

COLUMBIA AVE

GEORGE ST

HILLCREST AVE

E 3RD ST

SUMNER AVE

EMERSON AVE

LELAND AVE

WOOD AVE

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NOT TO SCALE

GENERAL INFORMATION	

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL WASTE MATERIALS IN ACCORDANCE WITH GOVERNING REGULATIONS AND AGENCIES.
2. THERE SHALL BE NO ON-SITE BURIAL OF CONSTRUCTION MATERIALS, TREE BRANCHES, STUMPS, OR OTHER DELETERIOUS MATERIALS.
3. MATERIALS, WORKSMANSHIP, AND CONSTRUCTION FOR THE SITE IMPROVEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH:
 - A. CURRENT PREVAILING MUNICIPAL, COUNTY, AND/OR STATE AGENCY SPECIFICATIONS, STANDARDS, CONDITIONS, AND REQUIREMENTS.
 - B. CURRENT PREVAILING UTILITY COMPANY/AUTHORITY SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.
 - C. CURRENT MANUFACTURER SPECIFICATIONS, STANDARDS, AND REQUIREMENTS.
5. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED OR CONNECTED TO BY PROPOSED CONSTRUCTIONS, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS, AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE UNDER SIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER THE DESIGNS HEREON INAPPROPRIATE OR INEFFECTIVE.
6. UTILITY RELOCATIONS SHOWN HEREON, IF ANY, ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REPRESENT ALL REQUIRED UTILITY RELOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PRECONSTRUCTION AND/OR COORDINATING ALL REQUIRED UTILITY RELOCATIONS IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANY/AUTHORITIES.
7. THE CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON, AND/OR IF SUCH CONDITIONS IN CONTRACTORS OPINION, WOULD OR COULD RENDER THE DESIGNS SHOWN HEREON INAPPROPRIATE OR INEFFECTIVE.
8. EXISTING 4-INCH C.I. LATERALS ARE TO REMAIN IN SERVICE UNTIL THE NEW 12-INCH PVC MAIN AND LATERAL CONNECTIONS ARE INSTALLED AND TESTED.
9. ALL PROPOSED LATERALS SHALL BE CONSTRUCTED OF POLYVINYL CHLORIDE (PVC) SDR-35; ASTM D3034, F679.
10. DO NOT PLACE MATERIALS ON PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE PROPERTY OWNER.
11. DURING LOADING, TRANSPORTATION AND UNLOADING, THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT DAMAGE TO THE EXTERIOR SURFACE OR INTERNAL LINING OF THE PIPE.
12. ALL EXCAVATIONS MUST BE BACKFILLED AT THE END OF EACH DAY.
13. DO NOT STACK PIPE HIGHER THAN RECOMMENDED BY THE PIPE MANUFACTURER.
14. STORE GASKETS FOR MECHANICAL AND PUSH-ON JOINTS IN A COOL, DRY LOCATION OUT OF DIRECT SUNLIGHT AND NOT IN CONTACT WITH PETROLEUM PRODUCTS.
15. ALL BURIED SANITARY SEWER MAINS SHALL BE POLYVINYL CHLORIDE (PVC) PIPE SDR-35; ASTM D3034, F679, ALL PIPING TO BE GASKETED SHALL BE PUSH-ON AND/OR MECHANICAL JOINTS.
16. PIPE SHALL HAVE SMOOTH INNER WALLS AND MAXIMUM PIPE LAYING LENGTH OF 20-FT.
17. MAGNETIC-TYPE LOCATOR TAPE SHALL BE LAID DIRECTLY OVER THE TOP OF THE PVC PIPE, TWO-FEET (2') BELOW GRADE.
18. FITTING SHALL BE ONE-PIECE MOLDED FITTING WITH NO GUEDED JOINTS.
19. JOINTS SHALL BE INTEGRAL BELL FLEXIBLE ELASTOMERIC SEALS; ASTM D3121, SEAL MATERIAL: ASTM F477.
20. UNLESS OTHERWISE INDICATED ON THE DESIGN PLANS, PROVIDE A MINIMUM OF FOUR (4) FEET OF COVER ABOVE THE TOP OF PIPING LAID IN THE TRENCH BASED ON THE FINISHED GRADE ELEVATION.
21. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THIS OFFICE, AS WELL AS ALL RESIDENTS WITHIN 200 FEET OF THE PROJECT AREA AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
22. PRIOR TO BEING LOWERED IN THE TRENCH, EACH PIPE AND FITTING SHALL BE CAREFULLY INSPECTED, AND THOSE NOT MEETING SPECIFICATIONS OR WHICH ARE OTHERWISE DEFECTIVE SHALL BE REJECTED AND REMOVED FROM THE PROJECT.
23. LAY PIPE PROCEEDING UPWARD WITH THE BELL OR GROOVE POINTING UPSTREAM.
24. USE LASER ALIGNMENT INSTRUMENTS, TO MAINTAIN PROPER ALIGNMENT AND SLOPE. THE CONTRACTOR MUST CHECK THE PIPE GRADE DURING INSTALLATION AS DIRECTED BY THE ENGINEER.
25. DURING CONSTRUCTION, THE CONTRACTOR SHALL USE ALL PRECAUTIONS TO KEEP THE PIPELINE CLEAN AND CLUE OF DEPOSITS AND FREE FROM INJURY UNTIL FINALLY INSPECTED AND ACCEPTED. WHEN THE WORK IS NOT IN PROGRESS, AND AT THE END OF EACH WORK DAY, SECURELY PLUG OPEN ENDS OF THE PIPE AND FITTINGS WITH AN EXPANDING RUBBER PLUG OR APPROVED DEVICE TO PREVENT TRENCH WATER, EARTH, OR OTHER SUBSTANCES FROM ENTERING THE PIPES OR FITTINGS.
26. NO PIPE SHALL BE LAID UPON A FOUNDATION INTO WHICH FROST HAS PENETRATED, NOR ANY TIME WHEN THE ENGINEER OR AUTHORITY SHALL DEEM THAT THERE IS A DANGER OF FORMATION OF ICE OR PENETRATION OF FROST AT THE BOTTOM OF EXCAVATION.
27. WHERE SANITARY SEWER CROSSES UNDER UTILITY LINES, 18-INCH OF VERTICAL SEPARATION SHALL BE MAINTAINED. WHERE 18-INCH OF VERTICAL SEPARATION CANNOT BE MAINTAINED, THE SANITARY SEWER SHALL BE CONCRETE ENCASEMENT PRODUCTS, OR APPROVED EQUAL, SHALL BE INSTALLED, AND THE INSIDE FACE OF THE GASKET SHALL BE FILLED WITH NON-SHRINK HYDRAULIC CEMENT. THE NEWLY CUT CHANNELS SHALL BE FINISHED WITH NON-SHRINK GROUT AND TROWELED TO MEET THE EXISTING CHANNEL. CONNECTIONS TO EXISTING MANHOLES SHALL BE WATERTIGHT.
28. ALL PIPING AND ASSOCIATED APPURTENANCES SHALL BE TESTED AND TELEVIEWED IN ACCORDANCE WITH THE AUTHORITY STANDARD SPECIFICATIONS AND SUBJECT PROJECT MANUAL AND PLANS.
29. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY LABOR, MATERIALS, AND EQUIPMENT FOR THE INSTALLATION AND TESTING OF SANITARY SEWER MAINS AND ASSOCIATED APPURTENANCES AS INDICATED ON THE DRAWINGS.
30. ALL TESTING OF THE PIPES AND ASSOCIATED APPURTENANCES SHALL BE IN THE PRESENCE OF AN AUTHORIZED PERSON FROM THE AUTHORITY OR ENGINEER.
31. SEWER CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY CAREFULLY BORING AND OPENING NO GREATER THAN TWO (2) INCHES AROUND THE NEW PIPE. THE EXISTING BENCH AND CHANNEL MUST BE CUT TO INVERT TO FORM A CHANNEL FOR THE NEW PIPE. AN "A-LOK" FLEX SLEEVE, AS MANUFACTURED BY ATLANTIC CONCRETE PRODUCTS, OR APPROVED EQUAL, SHALL BE INSTALLED, AND THE INSIDE FACE OF THE GASKET SHALL BE FILLED WITH NON-SHRINK HYDRAULIC CEMENT. THE NEWLY CUT CHANNELS SHALL BE FINISHED WITH NON-SHRINK GROUT AND TROWELED TO MEET THE EXISTING CHANNEL. CONNECTIONS TO EXISTING MANHOLES SHALL BE WATERTIGHT.
32. WHERE SANITARY SEWER FACILITIES ARE TO BE CONSTRUCTED WITHIN THE LIMITS OF PAVED STREETS, ALL REMOVAL AND REPLACEMENT OF STREET PAVING SHALL BE IN STRICT CONFORMANCE WITH THE REQUIREMENTS OF THE LOCAL MUNICIPALITY AND THE NEW JERSEY DEPARTMENT OF TRANSPORTATION, AS APPLICABLE. THE CONTRACTOR SHALL PAY THE COST OF INSPECTION BY THE MUNICIPALITY OR NEW JERSEY DEPARTMENT OF TRANSPORTATION PERSONNEL.
33. BYPASS PUMPING OF SEWAGE COULD BE REQUIRED AT VARIOUS LOCATIONS THROUGHOUT THE PROJECT IN ORDER TO COMPLETE PIPE WORK, CONNECTIONS TO MANHOLES, TESTING, CHANNEL WORK, ETC. THE CONTRACTOR IS RESPONSIBLE FOR THIS BYPASS PUMPING AS REQUIRED BY THE ENGINEER.
34. ALL MANHOLE STRUCTURES, APPURTENANCES, AND FRAME AND COVER SHALL BE PROVIDED BY A FIRM REGULARLY ENGAGED IN THE MANUFACTURING OF SUCH PRODUCTS OF THE TYPES, MATERIALS AND SIZE REQUIRED, WHOSE PRODUCTS HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR NOT LESS THAN FIVE (5) YEARS.
35. MANHOLE RIM ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL ADJUST ELEVATIONS AS NECESSARY TO MATCH FINAL GRADES.
36. EVERY NON-RESIDENTIAL PROPERTY OWNER HAS THE OPTION OF PROVIDING A SEWER METER TO HIS PROPERTY. THE METER SHALL BE LOCATED AT THE POINT OF CONNECTION INTO THE SEWERAGE SYSTEM, AN EXAMPLE OF WHERE A SEWER METER WOULD BE BENEFICIAL IS A COMMERCIAL OR INDUSTRIAL USER WHERE THE SEWAGE FLOW GENERATED IS SIGNIFICANTLY LESS THAN NINETY-FIVE PERCENT (95%) OF THE POTABLE WATER FLOW.
37. IN THE EVENT THAT A NON-RESIDENTIAL PROPERTY OWNER CHOOSES TO HAVE A SEWER METER INSTALLED, THE USERS SHALL BE CHARGED A FEE TO COVER THE COST OF READING THE SEWER METER AND GENERATING A MANUAL BILLING. THE PROPERTY OWNER SHALL BEAR THE SOLE EXPENSE OF THE SEWER METER INSTALLATION.

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Ronald B. Madison
NEW JERSEY LICENSED PROFESSIONAL ENGINEER
LICENSE NUMBER: GE38277
COLLIERS ENGINEERING & DESIGN, INC.
N.J. C.O.A. #: 24GA27986500

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CONSTRUCTION PLANS

FOR

PLAINFIELD
MUNICIPAL
UTILITIES
AUTHORITY

SOUTH AVENUE SANITARY
SEWER INSTALLATION

CITY OF PLAINFIELD
UNION COUNTY
NEW JERSEY

Colliers
Engineering
& Design

RED BANK (Headquarters)
331 Newman Springs Road,
Suite 203
Red Bank, NJ 07701
Phone: 732.383.1950

COLLIERS ENGINEERING & DESIGN, INC.
DOING BUSINESS AS AMER CONSULTING

SCALE: AS SHOWN	DATE: 11/15/2021	DRAWN BY: TBE	CHECKED BY: RBM
PROJECT NUMBER: PMU040		DRAWING NAME: C-CVER	
SHEET TITLE: COVER SHEET			
SHEET NUMBER: 1 of 4			

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NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION

1. ALL CONSTRUCTION WORK SHALL BE PERFORMED DURING NIGHTTIME HOURS (7 PM - 5AM)
2. CONTRACTOR SHALL IMPLEMENT THE TRAFFIC CONTROL PLAN ANY ANY ASSOCIATED REQUIREMENTS BY THE NEW JERSEY DEPARTMENT OF TRANSPORTATION AND WORKING CITY OF PLANNED RELATIVE TO WORK IN AND ALONG STREETS.
3. CONTRACTOR SHALL MAINTAIN SAFE AND EFFICIENT MOVEMENT OF TRAFFIC IN THE VICINITY OF THE CONSTRUCTION. ALL WORK PERTAINING TO TRAFFIC CONTROL IS TO BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONALLY COST TO THE AUTHORITY.
4. THE LOCAL POLICE DEPARTMENT SHALL BE NOTIFIED AT LEAST TEN (10) DAYS PRIOR TO THE DATE CONTRACTOR DESIRES TO RESTRICT TRAFFIC IN OR ALONG ANY ROADWAYS.
5. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING PARTIES AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO THE DATE THE CONTRACTOR HAS RECEIVED APPROVAL FOR TEMPORARY ROAD CLOSURE:
 - 5.1. LOCAL POLICE DEPARTMENT
 - 5.2. LOCAL FIRE COMPANY
 - 5.3. LOCAL SCHOOL DISTRICT
 - 5.4. LOCAL AMBULANCE SERVICE
 - 5.5. ALL AFFECTED RESIDENTS
6. AT THE SHUTDOWN OF WORK AT THE END OF PERMITTED WORKING HOURS, ALL STREETS SHALL BE LEFT IN SUCH A CONDITION WHEREBY THEY CAN BE READILY OPENED AND SAFELY TRAVELED. IN THIS REGARD, THE CONSTRUCTION AND MAINTENANCE OF TEMPORARY STEEL PLATES OR OTHER DECKING ACROSS THE TRENCH MAY BE NECESSARY.
7. STORAGE OF ALL MATERIALS, EQUIPMENT, MACHINERY, TOOLS, ETC. IS THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR IS PROHIBITED FROM INTERFERING WITH PUBLIC TRAFFIC AND PARKING MACHINERY, TOOLS, ETC. ON STREETS, SHOULDERS, SIDEWALKS, ETC. ALL ITEMS MUST BE STORED AND PARKED WITHIN THE APPROVED AREAS.
8. CONTRACTOR SHALL CONTROL PARKING OF CONSTRUCTION EQUIPMENT AND CONSTRUCTION PERSONNEL VEHICLES TO PREVENT INTERFERENCE WITH PUBLIC TRAFFIC AND PARKING ACCESS BY EMERGENCY VEHICLES AND AUTHORITY OPERATIONS.
9. CONTRACTOR SHALL PREVENT PARKING ON OR ADJACENT TO PUBLIC STREETS OR IN NON-DESIGNATED AREAS UNLESS PRIOR APPROVAL IS OBTAINED FROM THE MUNICIPALITY.
10. WHEN THE WORK, INCLUDING REPAVING, HAS BEEN COMPLETED, THE TEMPORARY MEASURES OF THE TRAFFIC CONTROL PLAN SHALL BE REMOVED, ANY DAMAGE CAUSED BY INSTALLATION OF TEMPORARY MEASURES SHALL BE REPAIRED, AND TRAFFIC SHALL BE RESTORED TO ITS FORMER CONDITION.



