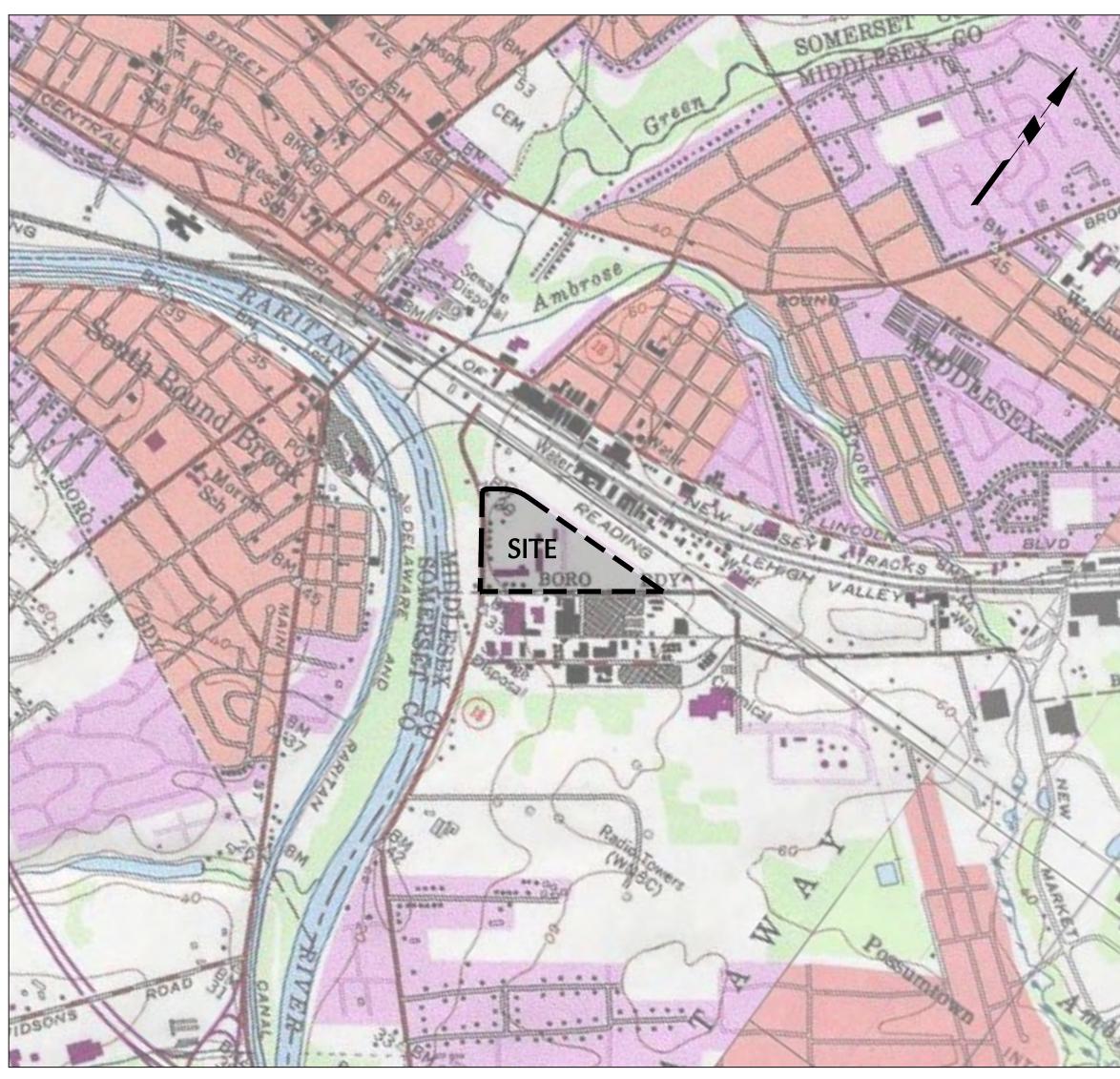
MIDDLESEX BOROUGH WAREHOUSE PROJECT PRELIMINARY AND FINAL SITE PLAN APPLICATION

BLOCK No. 353, LOTS No. 1.01 AND 1.02

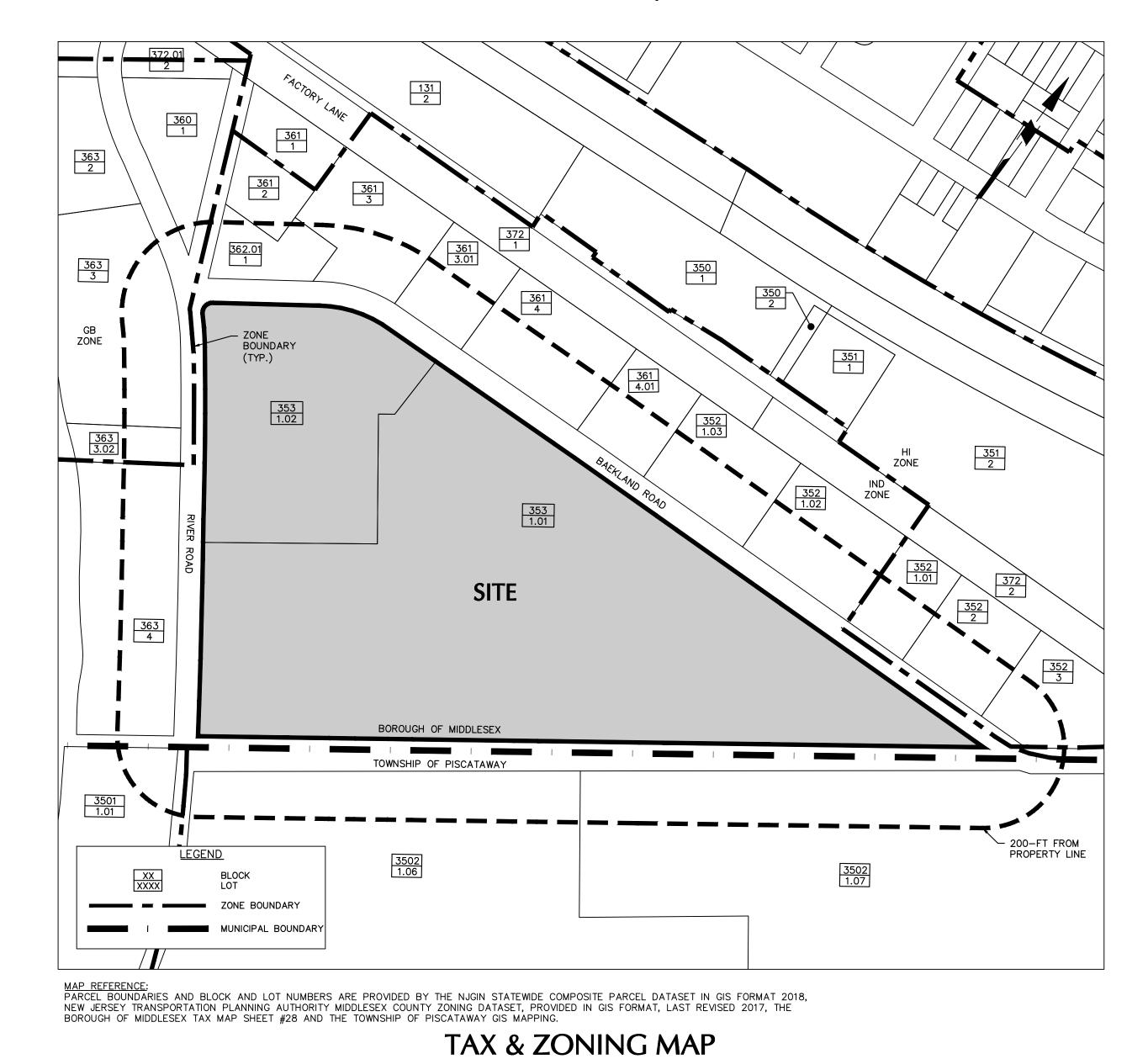
BOROUGH OF MIDDLESEX, MIDDLESEX COUNTY, NEW JERSEY



MAP REFERENCE:
USGS TOPOGRAPHIC MAPS FROM 1998 FROM THE BOUND BROOK AND PLAINFIELD QUADS

SITE LOCATION MAP

SCALE: 1" = 1000'



NOTIFICA	TION LI	IST OF PROPERTY OWNERS WITHIN 200 F	EET OF THE PROJECT SITE
BLOCK	LOT	PROPERTY OWNER	OWNER'S ADDRESS
			420 DAEKELAND AVE

352 1.01 IMPORTICO'S INC 120 BAEKELAND AVE MIDDLESEX, NJ 08846 352 1.02 RAPID DISPOSAL SVC % REPUBLIC SVCS P.O. BOX 29246 PHOENIX, AZ 85038 352 1.03 BAKELAND, INC 84 BAEKELAND AVE MIDDLESEX, NJ 08846 352 2 IMPORTICO, WILLIAM J 120 BAEKELAND AVE MIDDLESEX, NJ 08846 352 3 LOR-PRIL REALTY LLC 140 BAEKELAND AVE MIDDLESEX, NJ 08846 353 1.01 LEG 171 LLC 1 MEADOWLANDS PLAZA EAST RUTHERFORD, NJ 07073	
1.02 RAPID DISPOSAL SVC % REPUBLIC SVCS P.O. BOX 29246 PHOENIX, AZ 85038 352 1.03 BAKELAND, INC 84 BAEKELAND AVE MIDDLESEX, NJ 08846 352 2 IMPORTICO, WILLIAM J 120 BAEKELAND AVE MIDDLESEX, NJ 08846 352 3 LOR-PRIL REALTY LLC 140 BAEKELAND AVE MIDDLESEX, NJ 08846 353 1.01 LEG 171 LLC 1 MEADOWLANDS PLAZA	
1.02 RAPID DISPOSAL SVC % REPUBLIC SVCS PHOENIX, AZ 85038 84 BAEKELAND AVE MIDDLESEX, NJ 08846 120 BAEKELAND AVE MIDDLESEX, NJ 08846 120 BAEKELAND AVE MIDDLESEX, NJ 08846 140 BAEKELAND AVE MIDDLESEX, NJ 08846 140 BAEKELAND AVE MIDDLESEX, NJ 08846 152 101 LEG 171 LLC 1 MEADOWLANDS PLAZA	
352 1.03 BAKELAND, INC BAKELAND, INC BAKELAND AVE MIDDLESEX, NJ 08846 120 BAEKELAND AVE MIDDLESEX, NJ 08846 140 BAEKELAND AVE MIDDLESEX, NJ 08846 140 BAEKELAND AVE MIDDLESEX, NJ 08846 152 BAEKELAND AVE MIDDLESEX, NJ 08846 1 MEADOWLANDS PLAZA	
352 1.03 BAKELAND, INC MIDDLESEX, NJ 08846 352 2 IMPORTICO, WILLIAM J 120 BAEKELAND AVE MIDDLESEX, NJ 08846 352 3 LOR-PRIL REALTY LLC 140 BAEKELAND AVE MIDDLESEX, NJ 08846 253 1.01 LEG 171 LLC 1 MEADOWLANDS PLAZA	
352 2 IMPORTICO, WILLIAM J MIDDLESEX, NJ 08846 352 3 LOR-PRIL REALTY LLC 140 BAEKELAND AVE MIDDLESEX, NJ 08846 253 1 01 LEG 171 LLC 1 MEADOWLANDS PLAZA	
352 3 LOR-PRIL REALTY LLC 140 BAEKELAND AVE MIDDLESEX, NJ 08846 1 MEADOWLANDS PLAZA	
352 3 LOR-PRIL REALTY LLC MIDDLESEX, NJ 08846 1 MEADOWLANDS PLAZA	
1 MEADOWLANDS PLAZA	,
1.01 LEG 1/1 LLC FΔST RITHEREORD NI 07072	
353 1.02 RCS- LEG PISCATAWAY LLC % LINQUE MGT 1 MEADOWLANDS, STE 803	
353 1.02 RCS- LEG PISCATAWAY LLC % LINQUE MGT EAST RUTHERFORD, NJ 07073	
361 3 RALYN REALTY LLC 30 BAEKELAND AVE	
361 RALYN REALTY LLC MIDDLESEX, NJ 08846	
361 3.01 CONTAINER PROPERTIES LLC 50 BAEKELAND AVE, BOX 428	
MIDDLESEX, NJ 08846	
361 4 AWARDS REALTY LLC 60 BAEKELAND AVE	
361 AWARDS REALTY LLC MIDDLESEX, NJ 08846	
361 4.01 TOWEY LLC 80 BAEKELAND AVE	
363 3.02 MIDDLESEX COUNTY SEWERAGE AUTH. CHEVALIER AVENUE	
SAYREVILLE, NJ 08872	
363 4 RCS- LEG PISCATAWAY % DOW TAX DEPT WASHINGTON ST- 1790 BLDG	
MIDLAND, MI 48674	
3501 1.01 UNION CARBIDE % DOW CHEMICAL WASHINGTON ST BL 1790 TAX	
WIIDLAND, WII 48674	
360 1 145 RIVER ROAD, LLC 79 ROUTE 520	
361 2 B & G ENTERPRISES, INC 1 SO RARITAN AVE	
362 1.01 LEWIS MANUFACTURING CO LLC 77 IRONIA RD	
363 3 RCS- LEG PISCATAWAY % DOW TAX DEPT WASHINGTON ST- 1790 BLDG	
MIDLAND, MI 48674	

REFERENCE: NOTIFICATION LIST OF PROPERTY OWNERS WITHIN 200 FEET OF THE PROJECT OBTAINED FROM THE BOROUGH OF MIDDLESEX, DATED 7/28/19.

NOTIFI	NOTIFICATION LIST OF PROPERTY OWNERS WITHIN 200 FEET OF THE PROJECT SITE						
BLOCK	LOT	PROPERTY OWNER	OWNER'S ADDRESS				
3501	1.01	UNION CARBIDE % DOW CHEMICAL	WASHINGTON ST BL 1790 TAX				
3301	1.01	ONION CARBIDE % DOW CHEIVIICAL	MIDLAND, MI 48674				
2502	1.06	RAR2-100 RIDGE RD URBAN RENEWAL LLC	POB 4900 DEPT 207 % RYAN				
3502	1.06		SCOTTSDALE, AZ 85261				
2502	4.07	RAR2-300 RIDGE RD URBAN RENEWAL LLC	POB 4900- #207 % RYAN LLC				
3502	1.07		SCOTTSDALE A7 85261				

REFERENCE: NOTIFICATION LIST OF PROPERTY OWNERS WITHIN 200 FEET OF THE PROJECT OBTAINED FROM THE TOWNSHIP OF PISCATAWAY, DATED 7/25/19.

NOTIFICATION LIST OF UTILITY

COMPANIES AND ENTITIES
CABLEVISION OF RARITAN VALLEY ATTN: MARGURITE PRENDERVILLE CONSTRUCTION DEPT. 275 CENTENNIAL AVENUE, CN 6805, PISCATAWAY, NJ 08854
PUBLIC SERVICE ELECTRIC & GAS CO. ATTN: MANAGER- CORPORATE PROPERTIES 80 PARK PLAZA, T6B, NEWARK, NJ 07102
NJ AMERICAN WATER ATTN: GIS SUPERVISOR 1025 LAUREL OAK ROAD, VOORHEES, NJ 08043
NEW JERSEY BELL EXECUTIVE OFFICES 540 BROAD STREET, NEWARK, NJ 07104
MIDDLESEX CO. PLANNING BOARD 75 BAYARD STREET, 5TH FLOOR, NEW BRUNSWICK, NJ 08091
STATE DEPT. OF TRANSPORTATION ATTN: COMMISSIONER OF TRANSPORTATION 1035 PARKWAY AVENUE, CN 600, TRENTON, NJ 08625

NOTIFICATION LIST OF UTILITY **COMPANIES AND ENTITIES**

CABLEVISION ATTN: PETE MANN 275 CENTENNIAL AVENUE, PISCATAWAY, NJ 08854	
NEW JERSEY AMERICAN WATER COMPANY, INC. ATTN: DONNA SHORT 1025 LAUREL OAK ROAD, VOORHEES, NJ 08043	
PISCATAWAY BOARD OF EDUCATION ATTN: DAVID OLIVEIRA; BUSINESS ADMINISTRATOR 1515 STELTON ROAD, PISCATAWAY, NJ 08854	

SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE		
1	CS001	COVER SHEET		
2	CS002	ZONING STATISTICS AND NOTES		
3	CS101	SITE PLAN		
4	CG101	GRADING PLAN		
5	CG201	DRAINAGE PLAN		
6	CU101	UTILITY PLAN		
7	CE101	SOIL EROSION & SEDIMENT CONTROL PLAN		
8	CE102	SESC STORMWATER DIVERSION PLAN		
9	CE501	SOIL EROSION AND SEDIMENT CONTROL NOTES		
10	CE502	SOIL EROSION AND SEDIMENT CONTROL DETAILS		
11	TR101	TREE REMOVAL PLAN		
12 LP101 13 LP501		LANDSCAPE PLAN		
		LANDSCAPE NOTES AND DETAILS		
14	LL101	LIGHTING PLAN		
15	LL102	LIGHTING CALCULATION EXHIBIT		
16	LL501	LIGHTING NOTES AND DETAILS		
17	CS501	CONSTRUCTION DETAILS I		
18	CS502	CONSTRUCTION DETAILS II		
19	CS503	CONSTRUCTION DETAILS III		
20	CS504	CONSTRUCTION DETAILS IV		
21	CS201	TRUCK CIRCULATION PLAN		
22	CD101	UTILITY REMOVAL AND EASEMENT MODIFICATION EXHIBIT		

CIVIL SHEET INDEX

	SURVEY SHEET INDEX
DRAWING NUMBER	DRAWING TITLE
VT101	ALTA/NSPS LAND TITLE SURVEY
VL102	ALTA/NSPS LAND TITLE SURVEY

9/4/19

REVISIONS

APPROVA	LS
APPROVED BY THE COUNTY PLANNING BOARD COUNTY OF MIDDLESEX, NEW JERSEY	
ATTESTED TO BY	DATE
APPROVED BY THE BOROUGH OF MIDDLESEX PI	LANNING BOARD
APPROVED BY THE BOROUGH OF MIDDLESEX PI CHAIRMAN (SIGNATURE)	DATE

T: 973.560.4900 F: 973.560.4901 www.langan.com

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

SCALE: 1" = 200'

	PROJECT CONTACTS
OWNER/APPLICANT:	RG MIDDLESEX LLC 92 HEADQUARTERS PLAZA, 9TH FLOOR MORRISTOWN, NJ 07960 (973) 448-3596
CONTACT:	HEATH ABRAMSOHN
SITE/CIVIL ENGINEER:	LANGAN ENGINEERING & ENVIRONMENTAL SERVICES
	300 KIMBALL DRIVE PARSIPPANY, NJ 07054 (973) 560-4900
CONTACT:	RICHARD BURROW, P.E.
	M+H ARCHITECTS 2150 SCHUETZ ROAD, SUITE 200 ST. LOUIS, MO 63146 (314) 878-3500
CONTACT:	MARK HUGEBACK, AIA

EVISED FOR BOROUGH, COUNTY, AND NJDEP COMMENTS	3			LANGA
EVISED FOR BOROUGH ENGINEER AND NJDEP COMMENTS	2	11		Langan Engineering and Environmental Services, Inc.
VISED FOR FSCD COMMENTS AND PLANNING BOARD SUBMISSION	1	11/10	04/08/2020	300 Kimball Drive
Description	No.	SIGNATURE RICHARD BURRON	DATE CLOVED	Parsippany, NJ 07054

PROFESSIONAL ENGINEER NJ Lic. No.

24GE04459300

MIDDLESEX BOROUGH WAREHOUSE PROJECT BLOCK No. 353, LOTS No. 1.01 AND 1.02 BOROUGH OF MIDDLESEX

MIDDLESEX COUNTY

COVER SHEET

Filename: \langan.com\data\PAR\data4\100594413\Project Data\CAD\13\SheetFiles\Site Plan Submission\100594413-CS001-0101.dwg Date: 3/25/2020 Time: 19:18 User: skattowski Style Table: Langan.stb Layout: CS001 - COVER SHEE

100594413 N.T.S.)rawn By | Checked By MRW

DERIVED USING SURVEY-GRADE GNSS EQUIPMENT. 4. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE BOROUGH ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION; AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE

APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.

OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.

5. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER AND ENGINEER MAKE NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY INFORMATION THAT WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL: MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS; CORRELATE CONDITIONS WITH THE DRAWINGS; AND, RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL PERFORM ADDITIONAL TOPOGRAPHIC SURVEYS HE/SHE DEEMS NECESSARY. PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL

NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION,

CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL

THE CONTRACTOR SHALL, WHEN HE/SHE DEEMS NECESSARY, PROVIDE A WRITTEN REQUEST FOR INFORMATION (RFI) TO THE OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF THREE WORK DAYS FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR

SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.

. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO BID. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION

8. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.

OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO BID.

9. CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OR RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.

GRADING AND DRAINAGE NOTES

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED. SEE SHEETS CE101 AND CE102 FOR EROSION CONTROL MEASURES AND SHEETS CE501 AND CE502 FOR SOIL EROSION NOTES AND DETAILS.

. PROPOSED SPOT ELEVATIONS SHOWN AT CURB LINES DENOTE PAVEMENT ELEVATIONS.

SITE FILL SHALL CONSIST OF MATERIAL FROM APPROVED ONSITE SOURCES OR APPROVED OFFSITE MATERIAL AND SHALL BE CLEAN FILL CERTIFIED. THE LSRP AND GEOTECHNICAL ENGINEER MUST REVIEW AND APPROVE ALL MATERIAL.

. PAVEMENT SUBGRADE PREPARATION WORK SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER. SHOULD ISOLATED AREAS EXHIBIT UNSUITABLE CONDITIONS, THE ISOLATED AREAS SHOULD BE OVER-EXCAVATED TO A DEPTH AS DETERMINED BY THE GEOTECHNICAL ENGINEER AND IMMEDIATELY REPLACED WITH APPROVED COMPACTED FILL

OR CRUSHED STONE AT THE EXPENSE OF THE CONTRACTOR.

ALL CONCRETE DRAINAGE STRUCTURES SHALL BE PRECAST IN ACCORDANCE WITH NJDOT

ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.

. ALL DRAINAGE STRUCTURES SHALL HAVE NO SUMP AND PLACED ON 6 INCHES OF COURSE AGGREGATE. O. CATCH BASIN AND MANHOLE STRUCTURES ARE NOT SHOWN TO SCALE.

10. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS AND SIZES OF ALL ROOF LEADERS AND COORDINATE WITH PROPOSED STORMWATER SYSTEM PRIOR TO INSTALLATION.

I. ALL ROOF DRAINS TO BUILDING SHALL BE BROUGHT TO FIVE FEET OUTSIDE THE BUILDING LIMITS BY THE SITE CONTRACTOR AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT THE END. BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF PIPING WITHIN FIVE FEET OF BUILDING AND CONNECTION OF BUILDING LATERALS TO SITE

12. CLEANOUTS SHALL BE PROVIDED FLUSH AT ALL LOCATIONS OF ROOF DRAIN INTERSECTIONS, BENDS AND UPSTREAM ENDS.

13. ALL PROPOSED STORM DRAINAGE PIPING SHALL BE TEMPORARILY PROTECTED WITH REQUIRED MINIMUM COVER FOR CONSTRUCTION.

14. ALL PROPOSED STORM DRAINAGE TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE 15. PROPOSED SPOT ELEVATIONS SHOWN AT CURB LINES DENOTE PAVEMENT ELEVATIONS.

16. PIPE LENGTHS SHOWN REPRESENT PLANAR LENGTHS MEASURED FROM CENTER-OF-STRUCTURE TO CENTER-OF-STRUCTURE.

7. PIPE INVERT ELEVATION AT A STRUCTURE REPRESENTS THE PIPE INVERT PROJECTED TO THE CENTER OF THAT STRUCTURE.

18. PLAN AND PROFILE STRUCTURES ARE SYMBOLS THAT ARE PROVIDED FOR REFERENCE, AND ARE NOT TO BE USED AS THE BASIS FOR CONSTRUCTION. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL DRAINAGE, SANITARY, AND UTILITY STRUCTURES TO ENGINEER.

19. HDPE PIPING SHALL CONFORM TO AASHTO M 294 AND IS TYPE S (SMOOTH INTERIOR WITH ANNULAR CORRUGATIONS) WITH GASKETED SILT-TIGHT JOINTS.

0. ABBREVIATIONS: BC = BOTTOM OF CURB

CB = CATCH BASIN GR = GRATF FIFVATION

HP = HIGH POINTHDPE = HIGH DENSITY POLYETHYLENE INV = INVERT

LF = LINEAR FEET MH = MANHOLFRCP = REINFORCED CONCRETE PIPE

RL = ROOF LEADER

UTILITY NOTES

<u>GENERAL</u> . ALL SITE UTILITY CONSTRUCTION SHALL BE COORDINATED WITH STORMWATER AND ROOF LEADER DRAINAGE CONSTRUCTION. RESOLUTION OF ANY POTENTIAL UTILITY CONFLICTS TO BE DETERMINED IN THE FIELD.

2. ALL UTILITY CONSTRUCTION TO BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANIES AND SHALL CONFORM WITH

CONCRETE ENCASEMENT WILL BE REQUIRED AT UTILITY CROSSINGS WHERE VERTICAL AND/OR HORIZONTAL SEPARATION DOES NOT MEET CURRENT APPLICABLE STANDARDS. . SANITARY AND WATER LINES SHALL HAVE A MINIMUM HORIZONTAL SPACING OF 10 FT. SANITARY AND WATER LINES

SHALL HAVE A MINIMUM VERTICAL SEPARATION OF EIGHTEEN (18) INCHES. 5. SITE DISTURBANCE SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND ALL GOVERNING AGENCIES HAVE BEEN NOTIFIED BY THE CONTRACTOR.

6. THE CONTRACTOR MUST NOTIFY THE BOROUGH OF MIDDLESEX A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION, UNLESS FURTHER ADVANCE NOTICE IS REQUIRED BY THE BOROUGH. . UNLESS OTHERWISE NOTED, ALL PROPOSED UTILITIES SHALL BE UNDERGROUND WITH THE EXCEPTION OF OVERHEAD

8. ALL ABANDONED UTILITY LINES AND STRUCTURES SHALL BE COMPLETELY REMOVED AND CAPPED/PLUGGED AT THE MAIN IN ACCORDANCE WITH THE UTILITY COMPANY OR LOCAL AUTHORITY REQUIREMENTS.

9. TRENCH DEPTH REQUIREMENTS MEASURED FROM FINISHED GRADE OR PAVED SURFACE SHALL MEET THE FOLLOWING REQUIREMENTS WHEN NOT SPECIFIED BY GOVERNING CODES, ORDINANCES, OR AUTHORITIES.

A. WATER MAINS: MINIMUM 4-FT OF COVER SHALL BE PROVIDED OVER THE PROPOSED WATER MAINS OR AS REQUIRED BY NEW JERSEY AMERICAN WATER COMPANY. B. SANITARY SEWER: DEPTHS, ELEVATIONS, AND GRADES AS INDICATED ON DRAWINGS.

C. ELECTRICAL CONDUITS: 24 INCHES MINIMUM TO TOP OF CONDUIT OR AS SPECIFIED BY THE UTILITY COMPANY REQUIREMENTS.

D. TV CONDUITS: 18 INCHES MINIMUM TO TOP OF CONDUIT OR AS REQUIRED BY THE UTILITY COMPANY.

E. TELEPHONE CONDUITS: 18 INCHES MINIMUM TO TOP OF CONDUIT OR AS REQUIRED BY THE UTILITY COMPANY. F. GAS MAINS AND SERVICE: 36 INCHES MINIMUM TO TOP OF PIPE, OR AS REQUIRED BY THE UTILITY COMPANY. WATER SUPPLY NOTES:

ALL WATER CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH NEW JERSEY AMERICAN WATER COMPANY

. ALL EXISTING WATER LATERALS WITHIN THE SITE FROM FORMER BUILDINGS SHALL BE TERMINATED AT THE MAIN AND CURB SHUT-OFFS SHALL BE REMOVED. EXISTING WATER SERVICE LINES SHALL BE PHYSICALLY REMOVED UNLESS NOTED OTHERWISE. CONTRACTOR SHALL NOTIFY OWNER'S ENGINEER PRIOR TO REMOVAL OF ANY WATER LINE.

4. ALL FITTINGS UP TO AND INCLUDING 12-INCH DIAMETER SHALL BE RATED FOR 250 PSI AND ALL FITTINGS OVER 16-INCH DIAMETER SHALL BE RATED FOR 150 PSI.

5. THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER MAIN IS TEN FEET (10'). THE MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS EIGHTEEN INCHES (18"). CONCRETE PIPE ENCASEMENTS WILL BE REQUIRED WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED. LATERAL SEPARATION SHALL BE AS REQUIRED BY LOCAL CODE.

6. THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, ELBOWS, PLUGS, AND FIRE HYDRANTS. ALL FIRE HYDRANTS SHALL BE PROVIDED WITH AN APPROVED GATE VALVE AND SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL AUTHORITY. LOCATIONS OF ALL HYDRANTS SHALL BE APPROVED BY THE FIRE MARSHALL.

8. ALL GATE VALVES SHALL OPEN BY TURNING IN A COUNTER-CLOCKWISE (LEFT) DIRECTION AND SHALL CONFORM TO THE

9. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. 10. BACKFLOW PREVENTION DEVICES FOR DOMESTIC AND FIRE SERVICE CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS

11. ALL NEW WATER LINES SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA STANDARD C600, OR LOCAL REQUIREMENTS, WHICHEVER IS MORE RESTRICTIVE. 12. ALL NEW WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651, OR LOCAL REQUIREMENTS, WHICHEVER IS MORE RESTRICTIVE.

13. CONTRACTOR SHALL NOTIFY THE BOROUGH OF MIDDLESEX AND NEW JERSEY AMERICAN WATER AT LEAST 48 HOURS PRIOR TO WET TAP INSTALLATION. **SANITARY SEWER NOTES:**

ALL SEWER CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LOCAL AUTHORITY.

2. MATERIAL OF SANITARY PIPES SHALL BE SDR 35 PVC. ALL CONSTRUCTION METHODS EMPLOYED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR THE GOVERNING LOCAL MUNICIPAL UTILITY AUTHORITY.

. WHERE LESS THAN 18" OF VERTICAL AND 10' OF HORIZONTAL CLEARANCE IS PROVIDED BETWEEN THE SANITARY SEWER AND OTHER UTILITIES, THE SEWER SHALL BE ENCASED IN 6 INCHES OF 4,500 PSI CONCRETE ON ALL FOUR SIDES AND SHALL EXTEND 10 FEET BEYOND CROSSING IN BOTH DIRECTIONS. DUCTILE IRON PIPE MAY BE UTILIZED IN PLACE OF

4. WHEN SANITARY LATERALS TIE DIRECTLY INTO MANHOLES, AN APPROPRIATE OPENING WITH AN "A-LOK" OR APPROVED EQUAL JOINT SHALL BE PRECAST IN THE MANHOLE BASE. ALL MAINS SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH THE LOW PRESSURE AIR TEST METHOD OR AS OTHERWISE SPECIFIED BY LOCAL AUTHORITY OR PROJECT SPECIFICATIONS.

ELECTRIC, TELEPHONE, AND GAS NOTES:

CONCRETE ENCASEMENT PER NJAC 7:14A 23.6.b.4.

STATE, AND FEDERAL GUIDELINES AND REQUIREMENTS.

3. ALL WATER MAINS SHALL BE C900 PVC PIPE.

. ELECTRIC, TELEPHONE AND GAS LOCATIONS SHOWN ON PLAN ARE PRELIMINARY. CONTRACTOR SHALL COORDINATE FINAL LOCATION WITH UTILITY COMPANY AND SHALL INFORM THE OWNER'S ENGINEER OF THE FINAL LOCATION PRIOR TO

2. CONTRACTOR TO COORDINATE GAS MAIN, ELECTRIC, AND TELEPHONE INSTALLATION WITH APPROPRIATE UTILITY 3. ALL GAS WORK AND OTHER ASSOCIATED APPURTENANCES SHALL BE IN CONFORMANCE WITH APPLICABLE LOCAL COUNTY,

4. ALL ELECTRICAL WORK, TRANSFORMER PAD, AND ASSOCIATED APPURTENANCES SHALL BE IN CONFORMANCE WITH APPLICABLE LOCAL COUNTY, STATE, AND FEDERAL GUIDELINES AND REQUIREMENTS.

MIDDLESEX BOROUGH WAREHOUSE PROJECT

BOROUGH OF MIDDLESEX, MIDDLESEX COUNTY, NEW JERSEY BLOCK 353, LOTS 1.01 & 1.02 AND BLOCK 356, LOT 1

ZONING STATISTICS TABLE ZONING DISTRICT: WAREHOUSE/LIGHT INDUSTRIAL REDEVELOPMENT OVERLAY ZONE

CODE SECTION	DESCRIPTION	REQUIRED / PERMITTED	PROPOSED	COMPLIANCE
REDEVELOPMENT PLAN	PRINCIPAL PERMITTED USES	WAREHOUSING AND STORAGE	WAREHOUSING	COMPLIES
§5.2.1 REDEVELOPMENT PLAN §5.2.2	ACCESSORY USES		OFF-STREET PARKING, FENCES, OFF-STREET TRAILER STORAGE, AND OFF-STREET LOADING	COMPLIES
AXIMUM BUILDING HEIGHT REDEVELOPMENT PLAN S5.3.3.a-b MAXIMUM PRINCIPAL BUILDING HEIGHT REDEVELOPMENT PLAN MAXIMUM ACCESSORY BUILDING HEIGHT AXIMUM INTENSITY OF DEVELOPMENT REDEVELOPMENT PLAN MAXIMUM BUILDING COVERAGE REDEVELOPMENT PLAN S5.3.4 MAXIMUM BUILDING COVERAGE REDEVELOPMENT PLAN S5.3.6 MAXIMUM FLOOR AREA RATIO (FAR) REDEVELOPMENT PLAN S5.3.5 MAXIMUM IMPERVIOUS LOT COVERAGE		Loy John Control in the Control of t	OFF OFFICE EONDING	
		NO PRINCIPAL BUILDING SHALL EXCEED SIXTY FEET (60') IN HEIGHT. MEZZANINE AREAS ARE PERMITTED WITHIN THE BUILDINGS, AND SHALL NOT BE TREATED AS A "STORY".	≤ 60 FT	COMPLIES
		NO ACCESSORY BUILDING SHALL EXCEED THIRTY-FIVE FEET (35') IN HEIGHT AND TWO STORIES.	NONE PROPOSED	COMPLIES
AXIMUM INTENSITY OF	DEVELOPMENT			
	MAXIMUM BUILDING COVERAGE	THE AGGREGATE MAXIMUM COVERAGE OF BUILDINGS % OF GROSS LOT AREA WITHIN THE REDEVELOPMENT AREA WITHIN A MULTI-BUILDING/MULTI-LOT PROJECT (INCLUDING ACCESSORY STRUCTURES) IS 40 PERCENT.	30.3%	COMPLIES
	MAXIMUM FLOOR AREA RATIO (FAR)	THE AGGREGATE MAXIMUM FLOOR AREA RATIO (FAR) IS 0.50 OF GROSS LOT AREA PROVIDED THAT MEZZANINE AREAS WITHIN WAREHOUSE/LIGHT INDUSTRIAL BUILDINGS SHALL NOT BE INCLUDED IN THE CALCULATION OF FAR.	0.30	COMPLIES
		80 PERCENT	61.9%	COMPLIES
ETBACK REQUIREMEN	TS			
REDEVELOPMENT PLAN §5.3.2.a-e	STREET AND EXTERNAL LOT LINE SETBACKS	ALL COMMERCIAL BUILDINGS SHALL BE SET BACK AT LEAST TWENTY-FIVE FEET (25') FROM ALL STREET LINES AND ALL EXTERNAL LOT LINES, EXCEPT THAT A ZERO (0') FEET LOT LINE SETBACK SHALL BE PERMITTED FOR A LOT LINE AT THE PISCATAWAY TOWNSHIP BORDER, TO ACCOMMODATE PLANNED DEVELOPMENT OF BUILDINGS AND IMPROVEMENTS THAT MAY CROSS THE MUNICIPAL BOUNDARY. SUBDIVISION LINES CREATED WITHIN A DEVELOPMENT SHALL NOT CREATE SETBACK REQUIREMENTS BETWEEN SUCH LOTS.	96.1 FT	COMPLIES
REDEVELOPMENT PLAN §5.3.2.f	RESIDENTIAL SETBACK	NO COMMERCIAL BUILDING SHALL BE LOCATED WITHIN TWO HUNDRED FEET (200') OF A PERMITTED RESIDENTIAL USE.	NO RESIDENTIAL USE LOCATED 200 FEET FROM THE PROPOSED BUILDING	COMPLIES
REDEVELOPMENT PLAN §5.10.1	TS MULTIPLE PRINCIPAL USES	BUILDINGS MAY CONTAIN MORE THAN ONE (1) PRINCIPAL USE, PROVIDED THAT EACH USE OCCUPIES A MINIMUM GROSS FLOOR AREA OF TEN	BUILDING MAY CONTAIN MORE THAN ONE TENANT. EACH TENANT SPACE TO BE A MINIMUM OF 10,000 SF.	COMPLIES
REDEVELOPMENT PLAN §5.6.1	WASTE DISPOSAL REQUIREMENTS	THOUSAND (10,000) SQUARE FEET UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE BOROUGH AS PART OF A SITE PLAN APPLICATION, NO UNENCLOSED WASTE (E.G., PALLETS; TRASH; CARDBOARD; OLD TIRES; OR THE LIKE) SHALL BE DISPLAYED OR STORED OUTSIDE.	NO UNENCLOSED WASTE PROPOSED TO BE DISPLAYED OR STORED OUTSIDE	COMPLIES
REDEVELOPMENT PLAN §5.10.2.c	SCREENING OF MECHANICAL EQUIPMENT	MECHANICAL EQUIPMENT SERVING A BUILDING, WHETHER ROOF OR GROUND MOUNTED, SHALL BE SCREENED FROM PUBLIC VIEW BY FEATURES INTEGRATED INTO THE OVERALL DESIGN OF THE BUILDING AND WITH FOUNDATION LANDSCAPING.	ALL MECHANICAL EQUIPMENT WILL BE SCREENED	COMPLIES
REDEVELOPMENT PLAN §5.8.1.b	LANDSCAPING REQUIREMENT	ALL AREAS NOT UTILIZED FOR BUILDINGS, PARKING, LOADING, ACCESS AISLES AND DRIVEWAYS OR PEDESTRIAN WALKWAYS SHALL BE SUITABLY LANDSCAPED WITH GRASS, SHRUBS, GROUND COVER, OR TREES AND SHALL BE CONTINUOUSLY MAINTAINED IN GOOD CONDITION.	ALL AREAS NOT UTILIZED FOR BUILDINGS, PARKING, LOADING, ACCESS AISLES AND DRIVEWAYS OR PEDESTRIAN WALKWAYS SHALL ARE PROPOSED TO BE LANDSCAPED	COMPLIES
OFF-STREET PARKING A	ND LOADING REQUIREMENTS			
REDEVELOPMENT PLAN §5.4.1-2	MIN. NUMBER OF CAR PARKING SPACES	EACH INDIVIDUAL USE SHALL PROVIDE ADEQUATE ON-SITE PARKING SPACES TO ACCOMMODATE THE PROPOSED USES, AS DETERMINED BY THE PLANNING BOARD DURING SITE PLAN REVIEW, BASED UPON PARKING DEMAND STUDIES PREPARED BY APPROPRIATE TRAFFIC PROFESSIONALS AND CONFIRMED BY A BOROUGH RETAINED TRAFFIC PROFESSIONAL. WHERE A PERMITTED USE OF LAND INCLUDES DIFFERENT SPECIFIC ACTIVITIES WITH DIFFERENT SPECIFIC PARKING REQUIREMENTS, THE TOTAL NUMBER OF REQUIRED PARKING SPACES SHALL BE CALCULATED IN THE DEMAND STUDY BY INDIVIDUALLY COMPUTING THE PARKING DEMAND FOR EACH DIFFERENT ACTIVITY AND ADDING THE RESULTING NUMBERS TOGETHER.		COMPLIES
REDEVELOPMENT PLAN §5.4.3	MIN. CAR PARKING SPACE DIMENSIONS	EACH PARKING SPACE SHALL BE NOT LESS THAN 9 FEET WIDE NOR LESS THAN 18 FEET DEEP.	9 FT X 18 FT	COMPLIES
REDEVELOPMENT PLAN §5.5	MIN. NUMBER OF LOADING SPACES	EACH WAREHOUSE/LIGHT INDUSTRIAL BUILDING MAY PROVIDE OFF-STREET TRUCK LOADING BAYS AND PARKING AT THE BUILDING AS NEEDED TO MEET MARKET AND/OR TENANT DEMAND WITHIN THE LIMITS OF IMPERVIOUS COVERAGE.	56 LOADING DOCKS	COMPLIES
§248-17-B-6	MIN. INTERIOR DRIVEWAY WIDTH	24 FT AT 90 DEGREE PARKING	24 FT AT 90 DEGREE PARKING	COMPLIES
§248-17-B-8	MAX. DRIVEWAY WIDTH	A DRIVEWAY, EXCLUSIVE OF CURB RETURN RADII, SHALL BE NOT LESS THAN	40 FT	WAIVER REQUIRED
§248-17-B-20	PARKING, LOADING, AND DRIVEWAY	12 FEET NOR MORE THAN 24 FEET IN WIDTH. NOT PERMITTED IN FRONT YARD	NONE PROPOSED	COMPLIES
§248-17-B-23 (d)	SETBACK	MIN. 2 FT FROM OTHER PROPERTY LINES	3.2 FT	COMPLIES
§248-17-B-22	MIN. LOADING SPACE DIMENSIONS	12 FT WIDE X 48 FT LONG AND 10 FT OF OVERHEAD CLEARANCE	13.5 FT X 60 FT	COMPLIES
REDEVELOPMENT PLAN §5.7.2	MONUMENT SIGNS	ONE (1) MONUMENT IDENTIFICATION SIGNS SHALL BE PERMITTED AT EACH ENTRANCE INTO THE REDEVELOPMENT AREA, IDENTIFYING THE NAME OF THE PROJECT AND TENANTS WITHIN THE REDEVELOPMENT AREA. THE SIGN SHALL NOT EXCEED SIX FEET (6') IN HEIGHT AND FIFTY (50) SQUARE FEET IN AREA AND SHALL BE SET BACK AT LEAST TEN FEET (10') FROM THE BAEKELAND AVENUE RIGHT-OF-WAY. THE SIGN MAY BE INTERNALLY LIT, AND HAVE APPROPRIATE LANDSCAPING.	TWO (2) MONUMENT SIGNS WITH MAXIMUM HEIGHT OF 6-FT AND AREA OF 50 SF PROPOSED	COMPLIES
REDEVELOPMENT PLAN §5.7.4	SIGNS ATTACHED TO FACADE	EACH PRINCIPAL USE IN THE LIGHT INDUSTRIAL BUILDINGS SHALL BE PERMITTED ONE (1) ATTACHED SIGN ON EACH FACADE OF THE BUILDING, PROVIDED AND IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS: •THE SIGN SHALL IDENTIFY THE NAME AND/OR LOGO OF THE USER ONLY. •THE TOP OF THE SIGN SHALL BE LOCATED IN NO CASE HIGHER THAN THIRTY-FIVE FEET (35') ABOVE GRADE. •THE SIZE OF AN ATTACHED FAÇADE SIGN SHALL NOT EXCEED 250 SQUARE FEET IN AREA. •ATTACHED FAÇADE SIGNS MAY BE INTERNALLY OR EXTERNALLY ILLUMINATED.	SIGNS WILL BE A MAXIMUM OF 250 SF AND LOCATED NO HIGHER THAN 35' ABOVE GRADE	COMPLIES

1. ZONING INFORMATION OBTAINED FROM DOCUMENT ENTITLED "BOROUGH OF MIDDLESEX, MIDDLESEX COUNTY, NEW JERSEY, REDEVELOPMENT PLAN FOR BLOCK 353, LOTS 1.01 & 1.02 AND BLOCK 356, LOT 1", DATED JULY 22, 2019.

2. FENCES AS MAY BE SPECIFICALLY APPROVED BY THE TOWNSHIP AS PART OF SITE PLAN APPROVAL, INCLUDING SECURITY FENCES UP TO TEN FEET (10') IN HEIGHT.

3. ADDITIONAL SIGNAGE MAY BE PERMITTED BY THE BOROUGH FOR GOOD CAUSE SHOWN BY THE APPLICANT, PROVIDED THAT SUCH ADDITIONAL SIGNAGE MUST BE SPECIFICALLY APPROVED AS PART OF SITE PLAN REVIEW AND APPROVAL. GOOD CAUSE SHALL INCLUDE ADDRESSING WAYFINDING, BUILDING LOCATION, VISIBILITY FROM PUBLIC AND/OR PRIVATE ROADWAYS, TRAFFIC MOVEMENT AND SAFETY, TENANT DRIVEN STANDARDS, AND SUCH OTHER FACTORS DEEMED APPROPRIATE BY THE BOARD OF JURISDICTION

REVISED FOR BOROUGH, COUNTY AND NJDEP COMMENTS REVISED FOR BOROUGH ENGINEER AND NJDEP COMMENTS REVISIONS

04/08/2020 GNATURE RICHARD BURROW DATE SIGNE PROFESSIONAL ENGINEER NJ Lic. No. 24GE04459300

LANGAN Environmental Services, Inc

300 Kimball Drive

Parsippany, NJ 07054

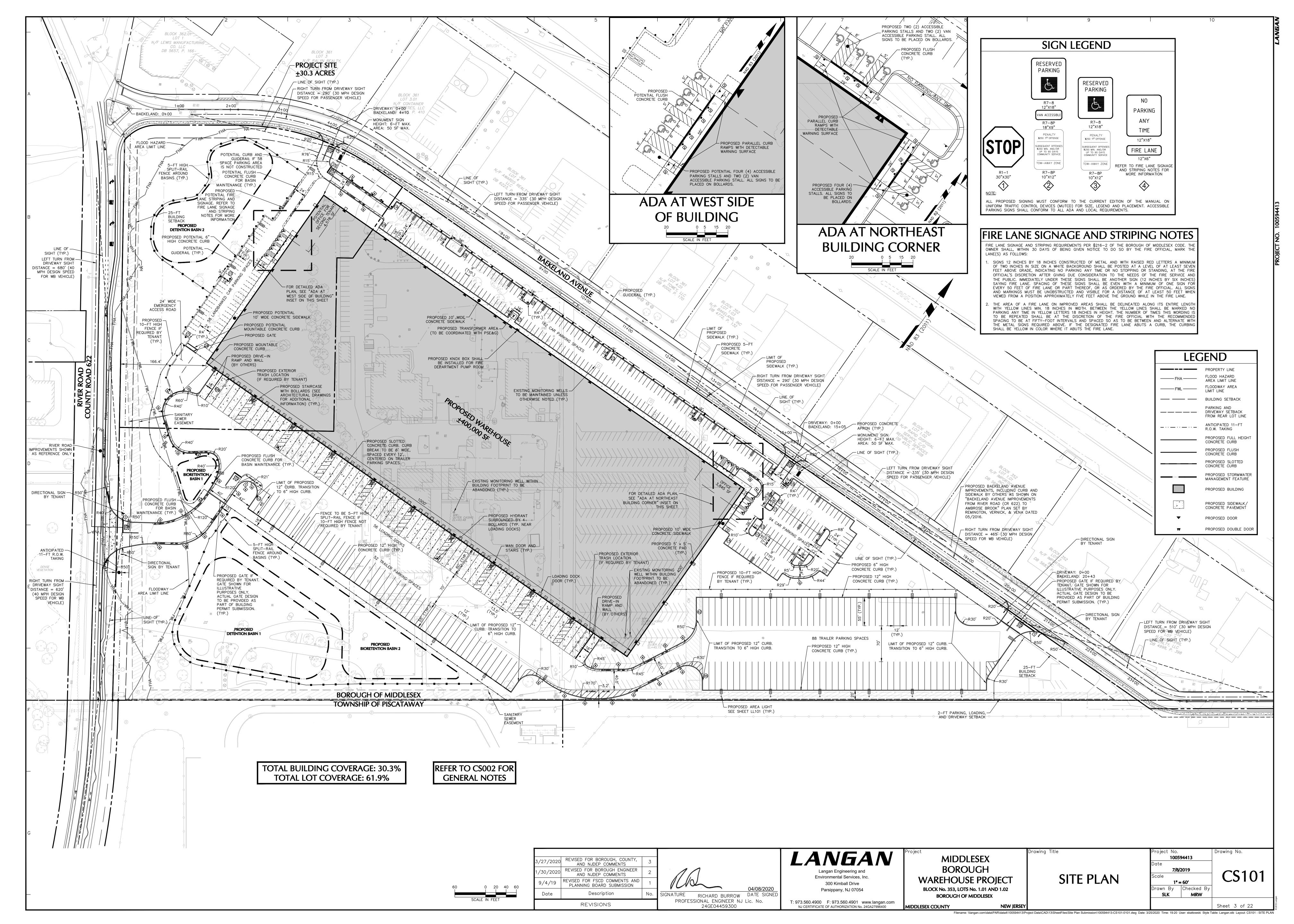
T: 973.560.4900 F: 973.560.4901 www.langan.com NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400 MIDDLESEX COUNTY

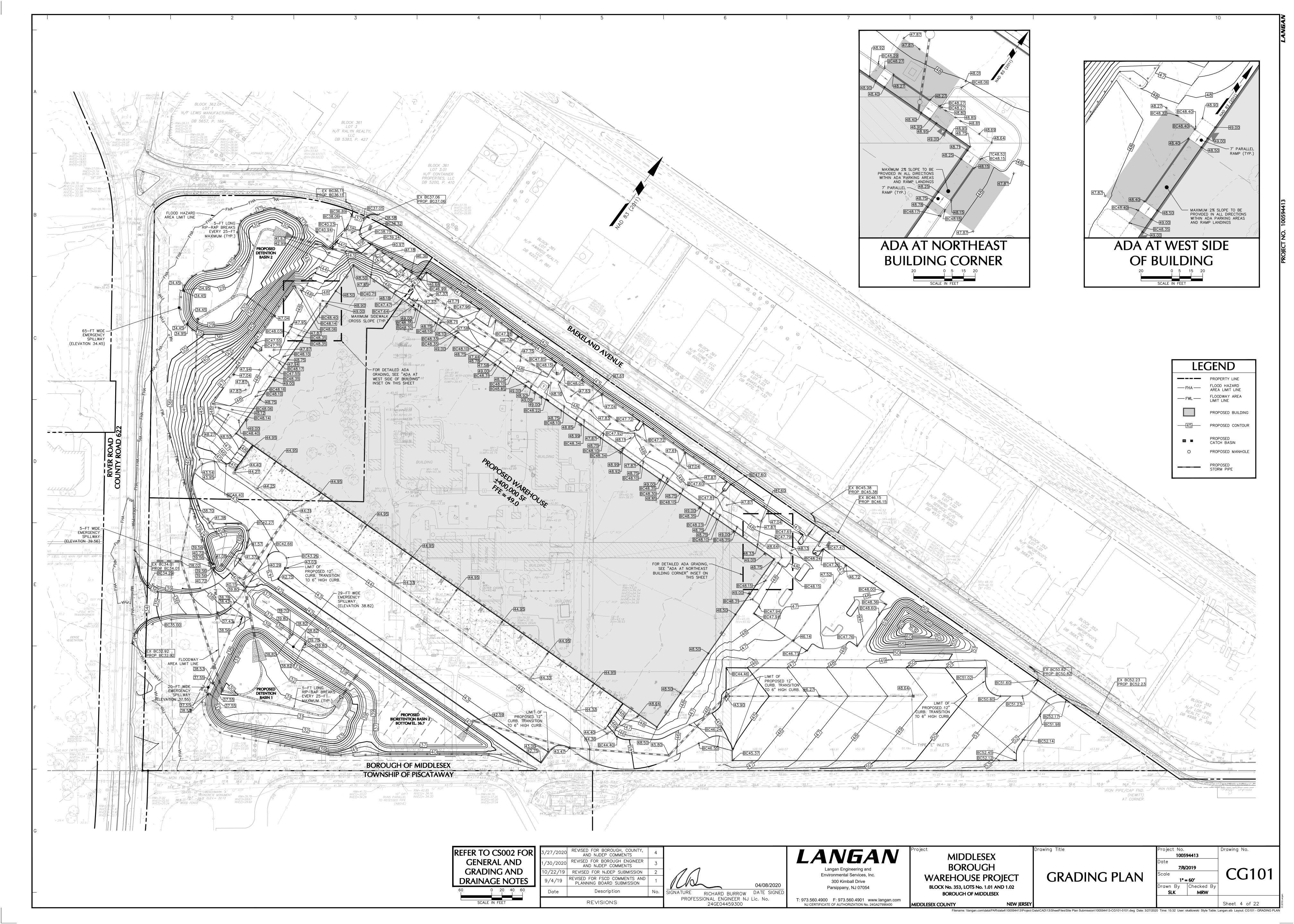
MIDDLESEX BOROUGH WAREHOUSE PROJECT BLOCK No. 353, LOTS No. 1.01 AND 1.02 **BOROUGH OF MIDDLESEX**

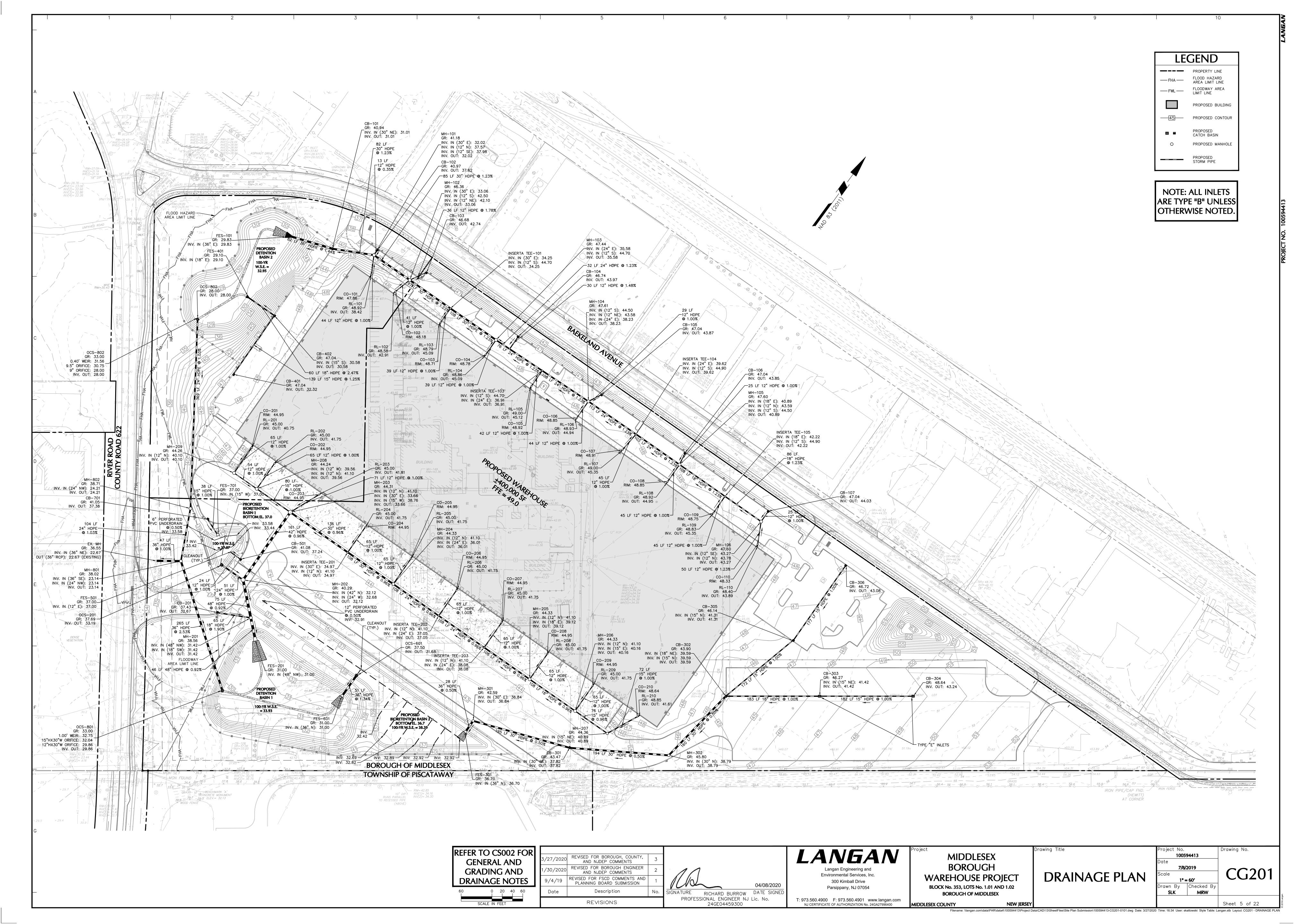
ZONING STATISTICS AND **NOTES**

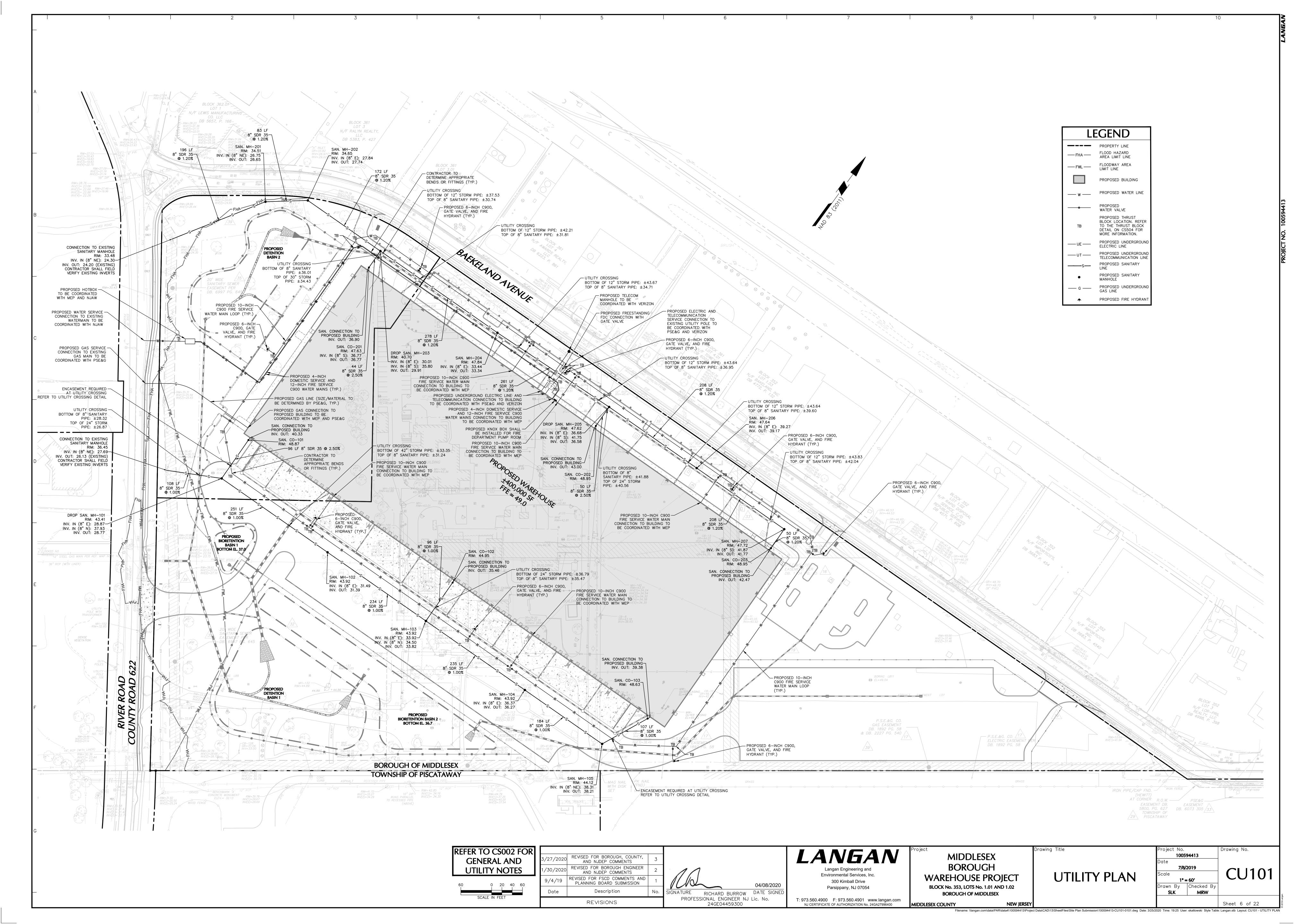
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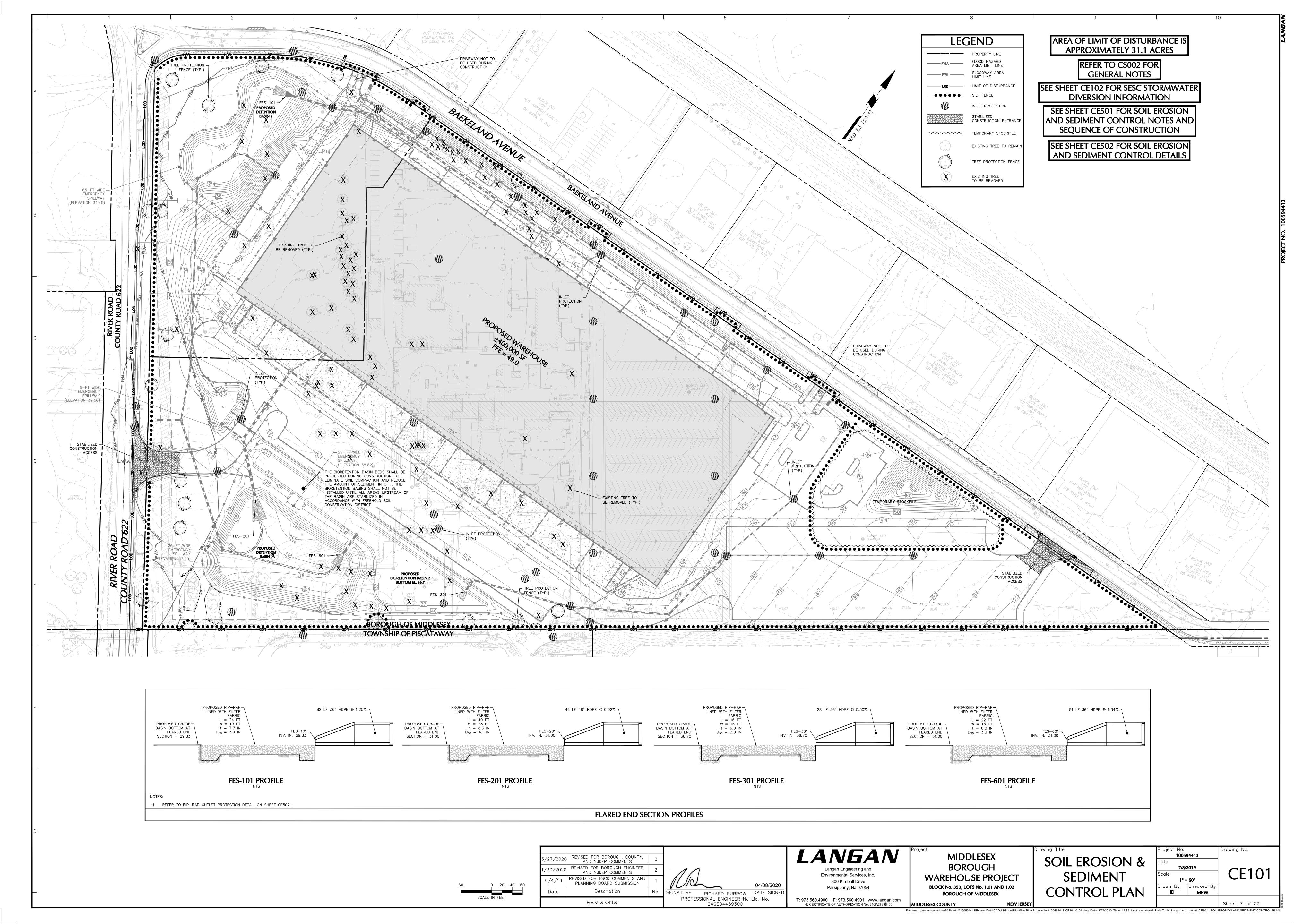
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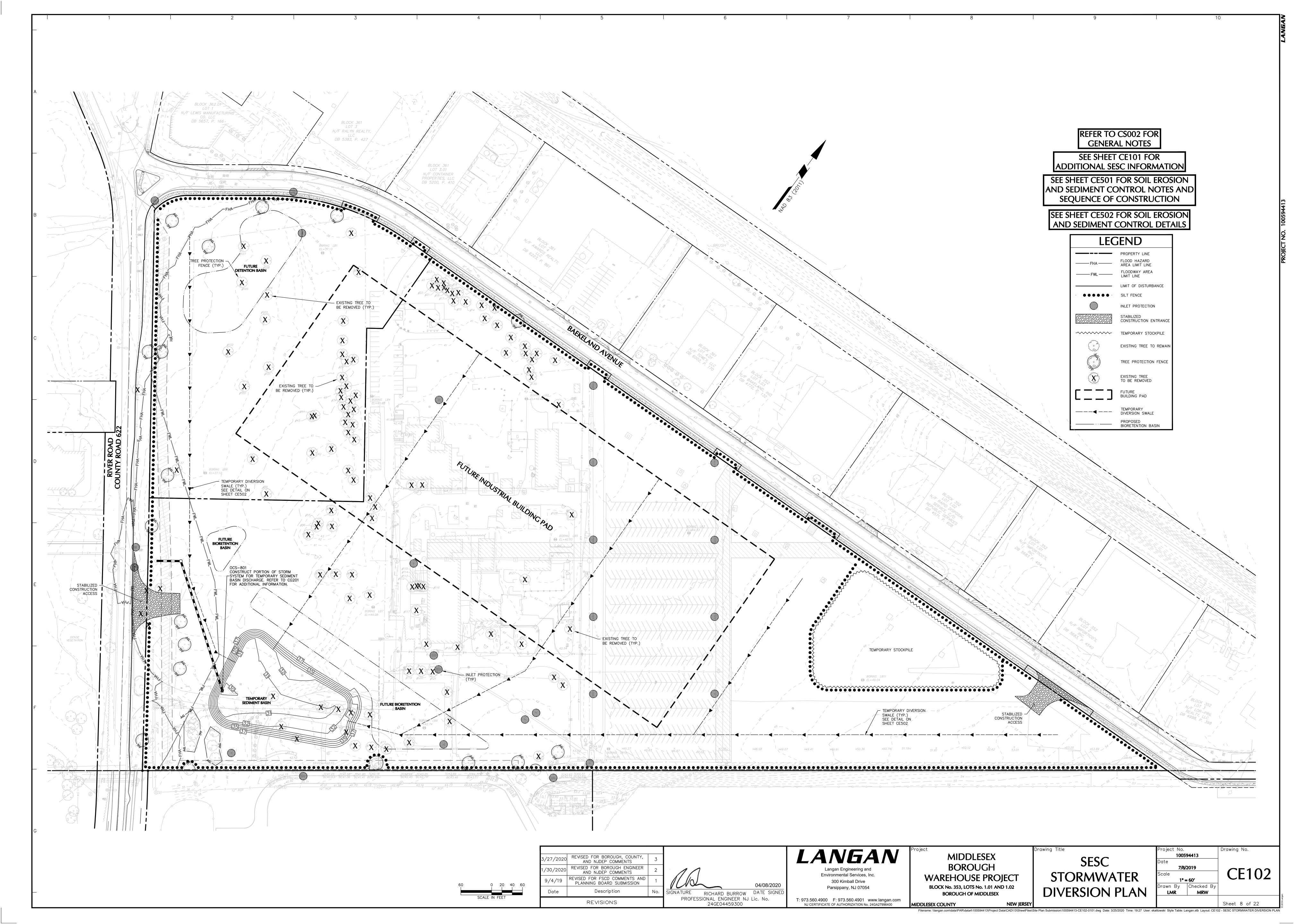












REFER TO CS002 FOR **GENERAL NOTES**

REVISED FOR BOROUGH, COUNTY, AND NUDEP COMMENTS REVISED FOR BOROUGH ENGINEER AND NJDEP COMMENTS REVISED FOR FSCD COMMENTS AND PLANNING BOARD SUBMISSION Description REVISIONS

04/08/2020 SIGNATURE RICHARD BURROW DATE SIGNEL PROFESSIONAL ENGINEER NJ Lic. No. 24GE04459300

LANGAN Environmental Services, Inc

T: 973.560.4900 F: 973.560.4901 www.langan.com

N.I CERTIFICATE OF AUTHORIZATION No. 24GA27996400

MIDDLESEX BOROUGH 300 Kimball Drive Parsippany, NJ 07054

MIDDLESEX COUNTY

WAREHOUSE PROJECT BLOCK No. 353, LOTS No. 1.01 AND 1.02 **BOROUGH OF MIDDLESEX**

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SOIL EROSION AND SEDIMENT CONTROL NOTES

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Sheet 9 of 22

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