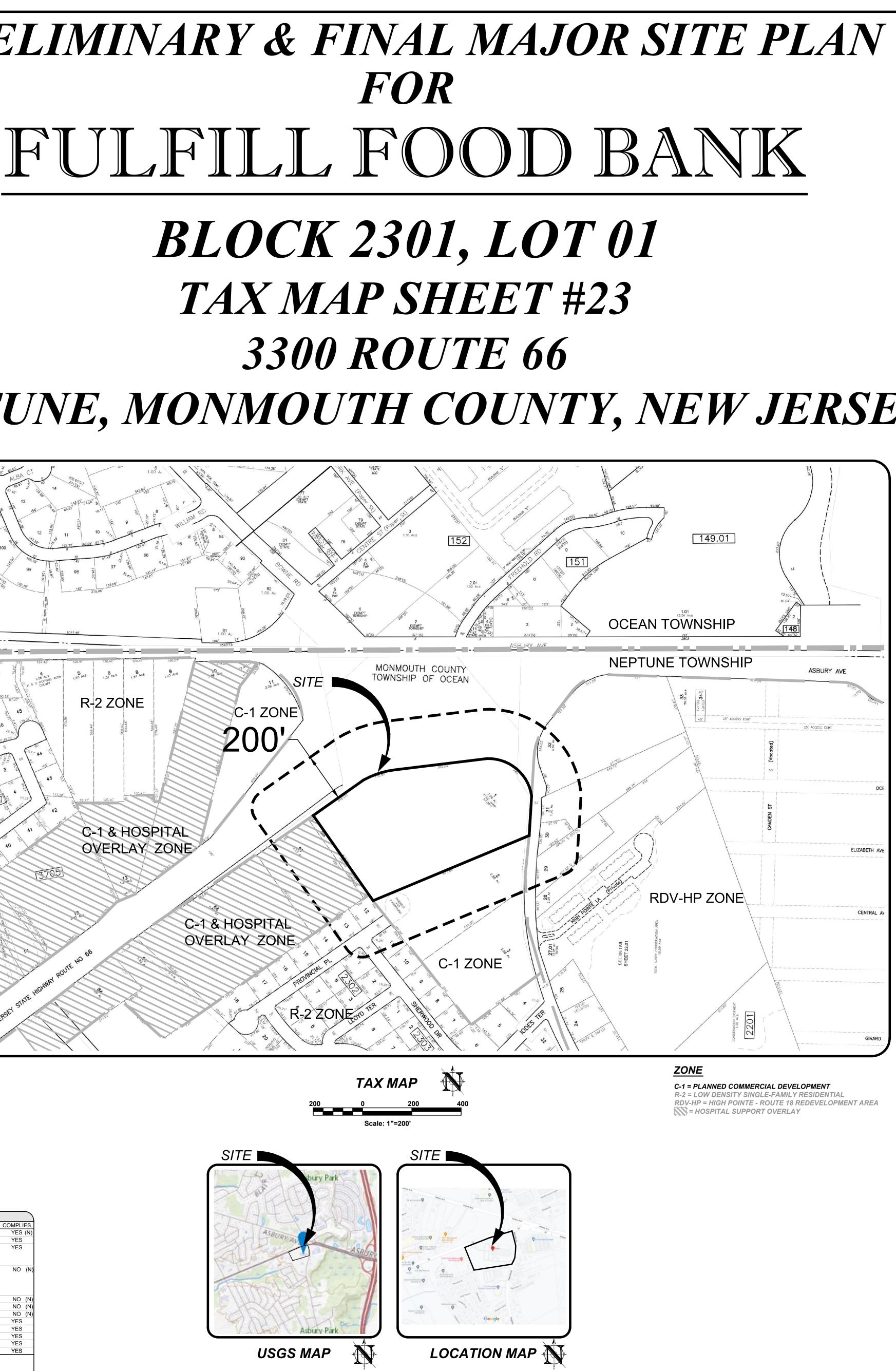
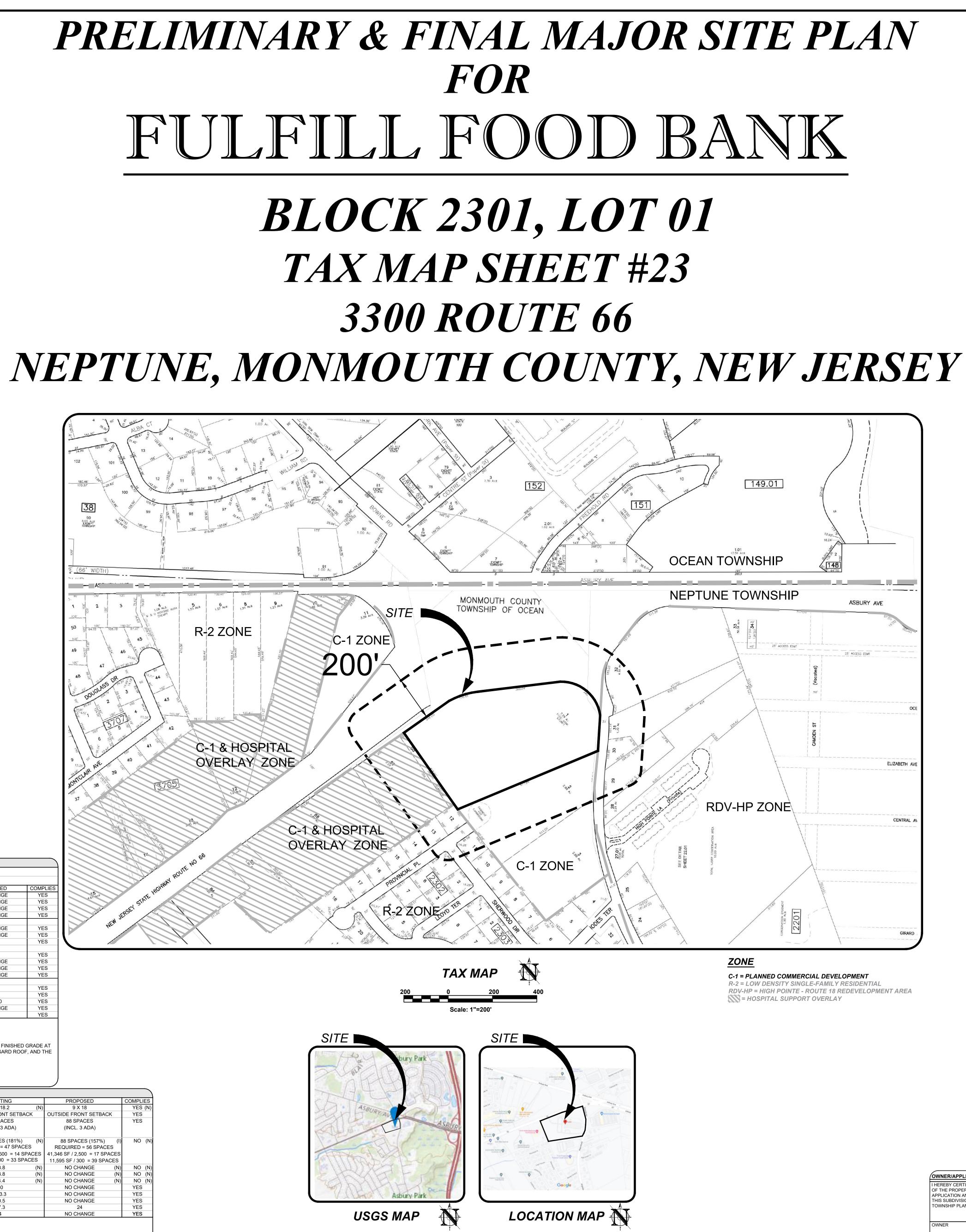
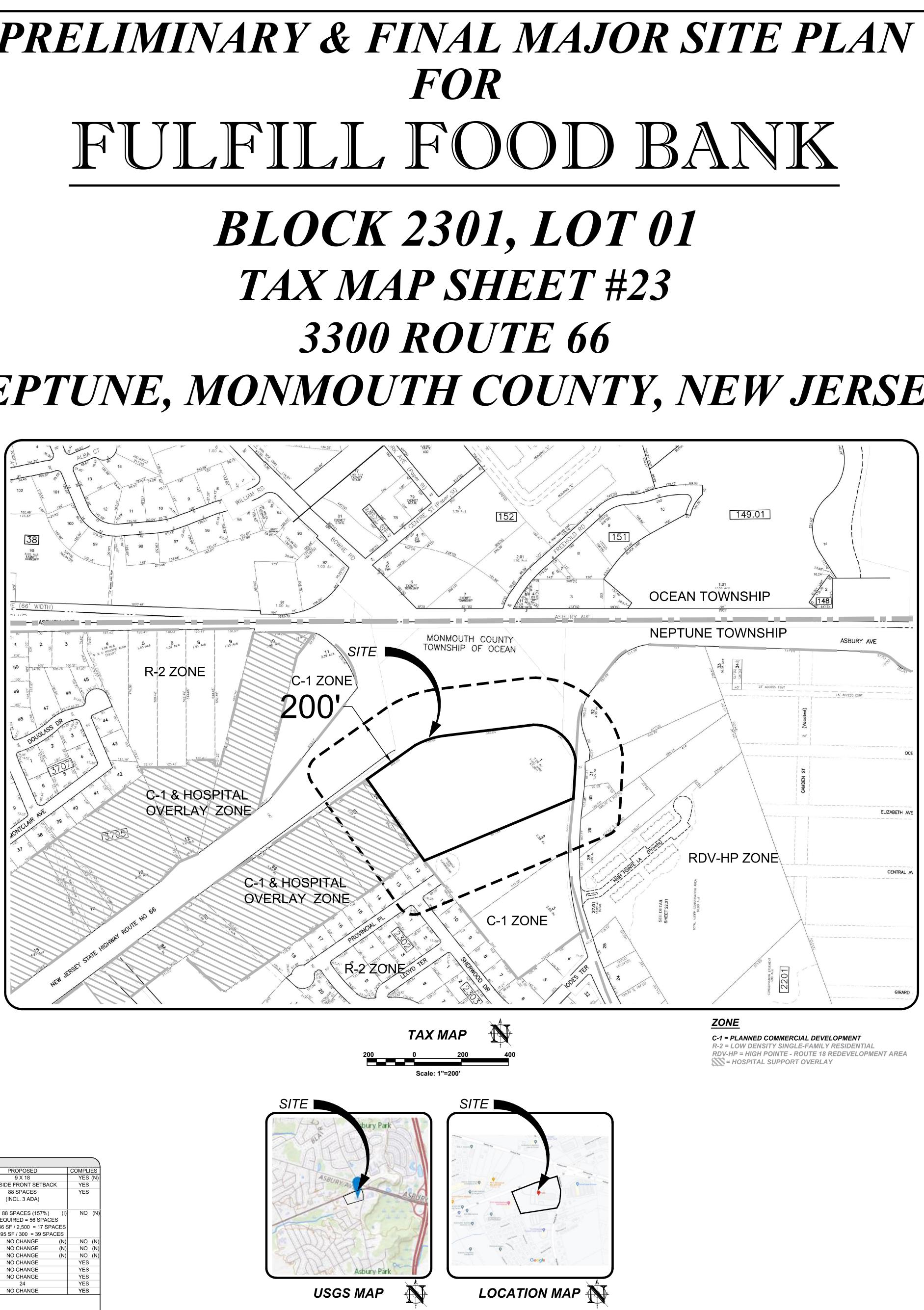
PR	ELI	







	201111				
	C-1 (PLANNED COMME	RCIAL DEVELOPM	ENT) ZONE (§ 404.04)		
	CIVIC & SOCIAL OI	RGANIZATIONS: P	ERMITTED USE		
ORD.SECTION	STANDARD	REQUIRED	EXISTING	PROPOSED	COMPLIES
SCHED. B	MIN. LOT AREA (AC)	2.5	7.21	NO CHANGE	YES
SCHED. B	MIN. LOT WIDTH (FT)	500	2064.7	NO CHANGE	YES
SCHED. B	MIN. LOT FRONTAGE (FT)	500	2064.7	NO CHANGE	YES
SCHED. B	MIN. LOT DEPTH (FT)	600	824.2	NO CHANGE	YES
	PRINCIPAL BUILDING				
SCHED. B	MIN. FRONT YARD SETBACK (NJ ROUTE 66) (FT)	50	74.4	NO CHANGE	YES
SCHED. B	MIN. FRONT YARD SETBACK (WAYSIDE ROAD) (FT)	50	61.1	NO CHANGE	YES
SCHED. B	MIN. REAR YARD SETBACK (FT)	40	132.8	102.2	YES
SCHED. B	MIN. SIDE YARD SETBACK				
	ONE SIDE (FT)	30	387.6	358.6	YES
	BOTH SIDES (FT)	N/A	N/A	NO CHANGE	YES
SCHED. B	MAX. BUILDING HEIGHT (FT)	40	34.63	NO CHANGE	YES
SCHED. B	MAX. BUILDING HEIGHT (STORIES)	2	1 1/2	NO CHANGE	YES
	LOT COVERAGE				
SCHED. B	MAX. BUILDING COVERAGE (%)	30	12.7	16.0	YES
SCHED. B	MAX. TOTAL LOT COVERAGE (%)	65	37.3	40.5	YES
SCHED. B	MIN. IMPROVABLE AREA (SF)	84,900	223,400	223,400	YES
SCHED. B	MIN. IMPROVABLE AREA DIAMETER OF CIRCLE (FEET)	189	>189	NO CHANGE	YES
SCHED. B	MAX. FLOOR AREA RATIO	0.60	0.13	0.17	YES
(N) EXISTING	NON-CONFORMITY (I) IMPROVED CONDITION		N/A - NOT APPLICABLE		
(E) EXISTING		ORMITY ELIMINATED	N/S - NOT SPECIFIED		
(V) PROPOSE					
	TAINS TO AN EXISTING STRUCTURE WHICH WAS NOT MAD				
	#07-11 BUILDING HEIGHT IS THE THE VERTICAL DISTANCE				
ALL CORN	IERS OF THE BUILDING TO THE TOP OF THE HIGHEST ROO	JE BEAMS ON A FLAT	UK SHED KOOF, THE DECK LE	VEL ON A MANSARD RC	JOF, AND THE

ZONING COMPLIANCE CHART

RNERS OF THE BUILDING TO THE TOP OF THE HIGHEST ROOF BEAMS ON A FLAT OR SHED ROOF, THE DECK LEVEL ON A MANSARD ROOF, AND THE AVERAGE HEIGHT BETWEEN THE EAVES AND THE RIDGE LEVEL FOR GABLE, HIP, AND GAMBREL ROOFS. EXISTING BUILDING HEIGHT: AVERAGE GRADE: (112.08 + 112.36 + 112.25 + 112.00 + 112.34 + 112.53) / 6 = 112.26

BUILDING HEIGHT: 146.89 - 112.26 = 34.63

	PARKING, DRIVEWAY & LOADING COMPL	IANCE CHART (§ 412.17)			
ORD.SECTION	STANDARD	REQUIRED	EXISTING	PROPOSED	COMPLIES
412.17.B	STALL SIZE (FT)	9 X 18	9 X 18.2 (N)	9 X 18	YES (N
412.18	PARKING PROHIBITED IN FRONT SETBACK	OUTSIDE FRONT SETBACK	OUTSIDE FRONT SETBACK	OUTSIDE FRONT SETBACK	YES
TABLE 4.2	NUMBER OF PARKING SPACES	TOTAL = 56 SPACES	85 SPACES	88 SPACES	YES
	WAREHOUSE & DISTRIBUTION FACILITY: 1 PER 2,500 SF OF GFA	43,315 SF / 2,500 = 18 SPACES	(INCL. 3 ADA)	(INCL. 3 ADA)	
	OFFICE: 1 PER 300 SF OF GFA	11,331 SF / 300 = 38 SPACES			
412.17.F	MAX. NUMBER OF PARKING SPACES	<120% OF REQUIRED SPACES	85 SPACES (181%) (N	88 SPACES (157%) (I) NO (N
	WAREHOUSE & DISTRIBUTION FACILITY: 1 PER 2,500 SF OF GFA		REQUIRED = 47 SPACES	REQUIRED = 56 SPACES	
	OFFICE: 1 PER 300 SF OF GFA		33,754 SF / 2,500 = 14 SPACES	41,346 SF / 2,500 = 17 SPACES	5
			9,818 SF / 300 = 33 SPACES	11,595 SF / 300 = 39 SPACES	
514.B.9	MIN. AISLE WIDTH (PERPENDICULAR PARKING)(FT)	24	23.8 (N)	NO CHANGE (N) NO (N
TABLE 5.2	MIN. WAREHOUSE DRIVEWAY WIDTH (TWO WAY)(FT)	26	23.8 (N)		
TABLE 5.2	MAX. WAREHOUSE DRIVEWAY WIDTH (TWO WAY)(FT)	30	54.4 (N)	NO CHANGE (N) NO (N
411.04.E	MIN. FRONT YARD SETBACK (FT)	15	50	NO CHANGE	YES
509.I.1	MIN. SIDE YARD PARKING LOT SETBACK (FT)	10	193.3	NO CHANGE	YES
509.I.1	MIN. REAR YARD PARKING LOT SETBACK (FT)	10	40.5	NO CHANGE	YES
514.B.3	MIN. PARKING SETBACK TO BUILDING (FT)	10	17.3	24	YES
TABLE 4.1	MIN. WAREHOUSE LOADING BERTHS (20,000 TO 39,999 SF)	4	4	NO CHANGE	YES
(N) EXISTING N	ON-CONFORMITY (I) IMPROVED CONDITION	N/A - NOT APPLICABLE	•	-	
(E) EXISTING V		D N/S - NOT SPECIFIED			
(V) PROPOSED					
(a) THIS PERTA	INS TO AN EXISTING STRUCTURE WHICH WAS NOT MADE AVAILABLE TO TH	IIS OFFICE			

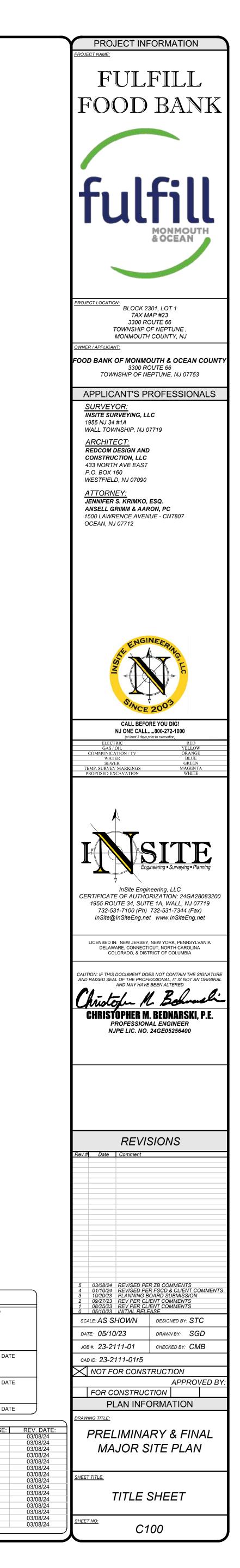
Scale: 1"=2000'

Scale: 1"=500'

		BOARD CHAIRPERSON	DATE	
		ADMINISTRATIVE OFFICER	DATE	
OWNER/APPLICANT	\Box	BOARD ENGINEER	DATE	
I HEREBY CERTIFY THAT I AM THE OWNER/APPLICAN	т —	INDEX OF SHEETS:		
OF THE PROPERTY WHICH IS THE SUBJECT OF THIS	SHEET #:		INITIAL RELEASE:	REV
APPLICATION AND THAT I CONSENT TO THE FILING O	F C100	TITLE SHEET	05/10/23	03/
THIS SUBDIVISION PLAN WITH THE NEPTUNE	C101	PLAN NOTES	05/10/23	03/
TOWNSHIP PLANNING BOARD.	C200	EXISTING CONDITIONS PLAN	05/10/23	03/
	C201	SITE PREPARATION PLAN	05/10/23	03/
	C300	SITE LAYOUT PLAN	05/10/23	03/
OWNER DATE	C301	TURNING MOVEMENT PLAN: DELIVERY	05/10/23	03/
	C302	TURNING MOVEMENT PLAN: FIRE TRUCK	01/10/24	03/
	C400	GRADING, DRAINAGE, & UTILITIES PLAN	05/10/23	03/
NOTARY PUBLIC	C600	LANDSCAPE AND LIGHTING PLAN	08/25/23	03/
	C601	LANDSCAPE AND LIGHTING DETAILS	09/27/23	03/
SWORN AND SUBSCRIBED TO BEFORE ME	C800	CONSTRUCTION DETAILS	05/10/23	03/
THIS 10TH DAY OF JANUARY	C801	CONSTRUCTION DETAILS	01/10/24	03/
	C900	SOIL EROSION & SEDIMENT CONTROL PLAN	05/10/23	03/
	C901	SOIL EROSION & SEDIMENT CONTROL NOTES	05/10/23	03/
NOTARY PUBLIC DATE	C902	SOIL EROSION & SEDIMENT CONTROL DETAILS	05/10/23	03/

PLANNING BOARD APPROVAL

APPROVED BY THE TOWNSHIP OF NEPTUNE PLANNING BOARD



	PUBLIC UTILITY NOTES
SITE PREPARATION NOTES 1. PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR/TO:	1. ALL PUBLIC UTILITY SERVICE CONNECTIONS TO BUILDINGS TO BE LOCATED UNDERGROUND.
a. ENSURE COPIES OF ALL PERMITS AND APPROVALS ARE ON SITE FOR REVIEW.b. THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO SITE DISTURBANCE.	2. ELECTRICAL, TELEPHONE, CATV AND ALL OTHER WIRE-SERVED UTILITY EXTENSIONS AND SERVICES SHALL BE INSTALLED UNDERGROUND WITH STANDARDS ESTABLISHED BY THE SERVICING UTILITY COMPANY.
 ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE, SHALL BE VERTICALLY AND HORIZONTALLY LOCATED. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL UNDERGROUND UTILITIES. 	3. GAS AND ELECTRICAL SERVICE CONDUITS AND STRUCTURES MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND PROVIDED DESIGN BY JCPL & NJWG. THE CONTRACTOR MUST PROVIDE RECORD "AS BUILT" PLANS OF ALL CONDUITS AND STRUCTURES TO JCPL & NJWG PROJECT ENGINEER AND THE PROJECT OWNER.
 d. PROTECT AND MAINTAIN IN OPERATION, ALL ACTIVE SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES. e. FAMILIARIZE THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENT AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS. 	4. TELEPHONE AND CATV SERVICE CONDUIT AND STRUCTURES MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF VERIZON AND COMCAST. THE CONTRACTOR MUST PROVIDE RECORD "AS BUILT" PLANS OF ALL CONDUITS AND STRUCTURES TO VERIZON, COMCAST, PROJECT ENGINEER AND PROJECT OWNER.
 f. COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES. g. THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISIONS. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO INSURE PUBLIC AND CONTRACTOR SAFETY. h. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF 	 CONTRACTOR SHALL MAINTAIN FIELD NOTES, PHOTOGRAPHS, AND REDLINE PLANS CLEARLY RECORDING THE LOCATION OF ALL UNDERGROUND INSTALLATIONS. THESE RECORDS SHALL BE PROVIDED TO THE ENGINEER UPON REQUEST. <u>GENERAL LANDSCAPING NOTES</u>
 EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. IN ABSENCE OF SPECIFIC SPECIFICATION, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNER'S 	A. <u>CLEAN-UP</u> AFTER ALL INSTALLATION OPERATIONS HAVE BEEN COMPLETED, REMOVE ALL RUBBISH, EXCESS SOIL, EMPTY PLANT CONTAINERS AND TRASH FROM THE SITE DAILY. ALL SCARS, RUTS AND OTHER MARKS IN THE AREA CAUSED BY THIS WORK SHALL BE REPAIRED AND THE GROUND LEFT IN A NEAT, ORDERLY CONDITION. LEAVE SITE IN BROOM-CLEAN CONDITION AT THE END OF EACH DAY.
 DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINES. WITHOUT WRITTEN PERMISSION OF THE 	 B. <u>MAINTENANCE</u> 1. DURING INSTALLATION, THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT NUMBER OF LABORERS AND ADEQUATE EQUIPMENT TO PERFORM THE WORK HEREIN SPECIFIED. PLANT MAINTENANCE SHALL CONSIST OF WATERING, WEEDING, CARING OF PLANTS, INCLUDING GROUND COVERS,
 DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINES, WITHOUT WRITTEN PERMISSION OF THE OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY. USE DUST CONTROL MEASURES TO LIMIT THE AMOUNT OF AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR TO WITHIN FEDERAL. 	SHRUBS, VINES AND TREES, EDGING AND MOWING LAWNS, FERTILIZING, CONTROL OF PESTS AND DISEASES, AND MAINTAINING WALKS FREE OF DEBRIS AND DIRT. UPON COMPLETION OF EACH AREA, THE CONTRACTOR, THE UNDERSIGNED, THE OWNER, ALONG WITH THE OWNER'S MAINTENANCE REPRESENTATIVE SHALL CONDUCT AN INSPECTION OF COMPLETED AREA. AT THIS TIME, A LIST OF CORRECTIONS, IF ANY, SHALL BE MADE. ALL CORRECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. USE DUST CONTROL MEASURES TO LIMIT THE AMOUNT OF AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR TO WITHIN FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.	 AFTER ALL WORK HAS BEEN COMPLETED, INSPECTED AND ACCEPTED, ALL AREAS WILL BE MAINTAINED FOR A PERIOD OF NINETY (90) CALENDAR DAYS OR AS LONG AS IS NECESSARY TO ESTABLISH THRIVING TREES, SHRUBS, TURF AND GROUND COVER WITHOUT BARE SPOTS. KEEP ALL AREAS WEED-FREE, ADEQUATELY WATERED AND NEATLY CULTIVATED FOR THE NINETY (90) PERIOD. REMOVE ALL DEBRIS FROM SITE
 CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME. 	 AND KEEP THE ENTIRE SITE BROOM-CLEAN. TURF AREAS ARE TO BE MOWED WEEKLY. 4. RE-SEED ALL BARE SPOTS IN TURF AREAS AT TWO (2) WEEK INTERVALS AND MAINTAIN UNTIL AN EVEN STAND OF TURF IS OBTAINED. RE-SEED ALL SLOPE AREAS THAT FAIL TO GERMINATE EVENLY. REPAIR ALL ERODED SURFACES AT NO COST TO THE OWNER. 5. DAMAGE TO ANY PLANTED AREA SHALL BE REPAIRED IMMEDIATELY. DEPRESSIONS CAUSED BY VEHICLES OR FOOT TRAFFIC SHALL BE FILLED
 THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL 	 WITH TOPSOIL, LEVELED AND REPLANTED. 6. THE PROJECT SHALL BE SO CARED FOR THAT A NEAT, CLEAN CONDITION WILL BE PRESENTED AT ALL TIMES TO THE SATISFACTION OF THE OWNER AND THE UNDERSIGNED. THE LANDSCAPE CONTRACTOR SHALL BE EXPECTED TO MAKE A MINIMUM OF ONE (1) VISIT PER WEEK FOR
 REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE. ALL UTILITY CONNECTIONS TO ADJACENT BUILDINGS MUST STAY ACTIVE DURING CONSTRUCTION. 	 MAINTENANCE PURPOSES DURING THE MAINTENANCE PERIOD (90 DAYS). 7. AT THE END OF THE MAINTENANCE PERIOD, ALL AREAS THAT HAVE BEEN PLANTED SHALL BE FERTILIZED WITH COMMERCIAL FERTILIZER. ANALYSIS AND RATE OF APPLICATION SHALL BE PER THE SOILS REPORT. 8. THE CONTRACTOR SHALL REQUEST A FINAL SITE VISIT SEVEN (7) DAYS PRIOR TO THE END OF THE MAINTENANCE PERIOD (90 DAYS). THIS REQUEST SHALL BE WRITTEN AND DIRECTED TO THE OWNER AND THE UNDERSIGNED. UPON WRITTEN ACCEPTANCE OF THE PROJECT BY THE
8. THE CONTRACTOR IS RESPONSIBLE TO ENSURE SHUT OFF, DISCONNECT, AND/OR CAPPING OF ALL UTILITIES TO THE SITE INCLUDING, BUT NOT LIMITED TO, WATER, SEWER, ELECTRIC, CABLE, TELEPHONE, ETC. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL UTILITY SHUT OFFS AND	OWNER AND THE UNDERSIGNED, THE CONTRACTOR SHALL BE RELIEVED OF ANY FURTHER MAINTENANCE. C. <u>GUARANTEE</u> ALL TURF, GROUND COVER AND SHRUBS SHALL BE GUARANTEED TO LIVE AND GROW THROUGH THE FIRST GROWING SEASON. TREES SHALL BE
 ALL STREET APPURTENANCES (INCLUDING SIGNS, POLES, TREES & FENCING) WITHIN THE LIMITS SHOWN ARE TO BE REMOVED AND DISPOSED 	GUARANTEED FOR A PERIOD OF ONE (1) YEAR. THE CONTRACTOR, AT NO COST TO THE OWNER, SHALL REPLACE ANY MATERIAL THAT FAILS TO GROW THROUGH THE SPECIFIED MAINTENANCE AND GUARANTEED.
 OFF-SITE UNLESS OTHERWISE NOTED. 10. EXISTING LIGHTING AND UTILITY POLE REMOVALS ARE TO BE PERFORMED BY THE APPROPRIATE UTILITY COMPANY. 	 D. <u>INSPECTION DURING CONSTRUCTION</u> 1. OBSERVATION VISITS SPECIFIED HEREIN SHALL BE MADE BY THE UNDERSIGNED OR HIS REPRESENTATIVE. THE CONTRACTOR SHALL REQUEST OBSERVATION AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF THE TIME THAT THE OBSERVATION IS REQUESTED. A 2. OBSERVATION VISITS ARE SUGGESTED FOR THE FOLLOWING PARTS OF THE WORK:
 ALL UNDERGROUND UTILITIES, LINES, PIPING, STRUCTURES, FOUNDATIONS, VAULTS AND BUILDING FRAGMENTS ASSOCIATED WITH FORMER BUILDINGS. WITHIN THE PROJECT BOUNDARY, ARE TO BE REMOVED AND DISPOSED OFF SITE. 	 a. UPON COMPLETION OF GRADING AND SOIL CONDITIONING PRIOR TO PLANTING. b. WHEN TREES ARE SPOTTED FOR PLANTING, BUT PRIOR TO WHEN PLANTING HOLES ARE EXCAVATED. c. WRITTEN ACCEPTANCE OF THE PROJECT TO RELEASE THE CONTRACTOR FROM FURTHER MAINTENANCE SHALL OCCUR AFTER FINAL
 ALL STRUCTURES (CURBS, SIDEWALKS, PATIO, RETAINING WALL, FENCES, ASPHALT, CONCRETE, ETC.) WITHIN THE PROJECT'S BOUNDARY SHALL BE REMOVED AND DISPOSED OFF-SITE AT AN APPROPRIATE FACILITY. 	OBSERVATION WITH THE OWNER OR HIS REPRESENTATIVE AT THE END OF THE MAINTENANCE PERIOD. E. <u>VERIFICATION OF DIMENSIONS</u> ALL SCALED DIMENSIONS ARE APPROXIMATE. PRIOR TO PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS
 13. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OFFSITE IN ACCORDANCE WITH ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES, ORDINANCES, AND LAWS. 	AND QUANTITIES, AND SHALL IMMEDIATELY NOTIFY THE UNDERSIGNED OF ANY DISCREPANCY BETWEEN THE DRAWINGS AND/OR SPECIFICATIONS AND ACTUAL CONDITIONS. NO WORK SHALL BE DONE IN ANY AREA WHERE THERE IS SUCH A DISCREPANCY UNTIL APPROVAL FOR SAME HAS BEEN GIVEN BY THE UNDERSIGNED. F. UTILITIES
SITE LAYOUT NOTES	THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY CONSTRUCTION, SO THAT PROPER PRECAUTIONS MAY BE TAKEN NOT TO DAMAGE SUCH LINES AND PLANT LOCATIONS. PROMPTLY NOTIFY THE UNDERSIGNED TO ARRANGE FOR RELOCATIONS OF UTILITIES OR PLANTING LOCATIONS. FAILURE TO FOLLOW THIS PROCEDURE PLACES UPON THE CONTRACTOR THE RESPONSIBILITY FOR. AT HIS OWN EXPENSE. MAKING ANY AND ALL REPAIRS FOR DAMAGES RESULTING FROM HIS WORK.
1. ALL SIGNAGE TO BE POSTED IN ACCORDANCE WITH THE UNITED STATES DEPARTMENT OF TRANSPORTATION-FEDERAL HIGHWAY ADMINISTRATION, "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS (MUTCD), LATEST EDITION.	G. EXISTING TREES CONTRACTOR IS TO TAKE CARE IN PRESERVING ANY EXISTING TREES GREATER THAN OR EQUAL TO 6" ON THE SITE. DAMAGE OR LOSS OF THESE
 ALL STOP BARS SHALL BE 24" WIDE WHITE THERMO PLASTIC STRIPE. ALL OTHER STRIPING MAY BE EPOXY. ALL CURB AND SIDEWALKS SHALL CONFORM TO STATE AND FEDERAL BARRIER FREE DESIGN STANDARDS. 	TREES WILL RESULT IN REPLACEMENT OF EQUAL SIZE BY THE LANDSCAPE CONTRACTOR. H. <u>INSTALLATION</u> THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, FINAL GRADING, SEEDING, SOIL AMENDMENTS,
4. ALL SIDEWALK RAMPS MARKED HCR TO HAVE DETECTABLE WARNING SURFACE INSTALLED IN ACCORDANCE WITH ADA REGULATIONS. ALL DETECTABLE WARNING STRIPS SHALL BE "REPLACEABLE WET-SET" OR EQUIVALENT. SURFACE MOUNT OR "STICK ON" WARNING STRIPS ARE NOT	ETC., AS MAY BE REQUIRED FOR A COMPLETE INSTALLATION. I. PLANTING SPECIFICATIONS
 ALL PROPOSED ON-SITE CURBING TO BE VERTICAL CONCRETE CURBING. ALL PROPOSED CURBING WITHIN MUNICIPAL OR COUNTY RIGHT-OF-WAYS 	ALL TREE AND SHRUB MATERIAL SPECIFIED MUST MEET STANDARD INDUSTRY SPECIFICATIONS FOR THE CONTAINER SIZE INDICATED. DOWNSIZING OR SUBSTITUTION OF PLANT MATERIAL WITHOUT PRIOR APPROVAL OF UNDERSIGNED WILL NOT BE ALLOWED. J. FINAL GRADING AND PLANTING
TO BE VERTICAL CONCRETE CURBING.	ALL LANDSCAPE AREAS SHALL BE GRADED TO A SMOOTH EVEN SURFACE PRIOR TO ANY PLANT INSTALLATION. ALL PLANT MATERIALS SHALL BE INSTALLED USING GOOD HORTICULTURAL PRACTICES IN ACCORDANCE WITH THE PLANS AND DETAILS.
 ALL CONNECTIONS WITH EXISTING PAVEMENTS, CURBS, SIDEWALKS, ETC SHALL BE SAW CUT. RETAINING WALLS REQUIRE STRUCTURAL DESIGN BY A LICENSED PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION. 	 K. <u>TREE PLANTINGS</u> 1. WHENEVER FEASIBLE, TREES SHOULD BE PLANTED A MINIMUM OF TEN (10) FEET FROM ALL UNDERGROUND UTILITIES, STREETLIGHTS, HYDRANTS, AND OUT OF DRAINAGE FLOW LINES. SHOULD THIS NOT BE POSSIBLE, CONTACT THE UNDERSIGNED FOR DECISION ON PLACEMENT. 2. ALL TREES IN TURE AREAS SHALL HAVE 12" MIN. CLR. CIRCUMFERENCE AROUND THE TRUNK BASE. PROVIDE 3" MIN. THK. MULCH AT BASE OF
8. SIDEWALK/WALKWAY RISERS MUST BE GREATER THAN 4" AND LESS THAN 8".	TRUNK. L. <u>GROUNDCOVER</u>
 9. SEE ARCHITECT'S PLANS FOR BUILDING ELEVATIONS AND FLOOR PLANS. 10. THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH NEW JERSEY ADMINISTRATIVE CODE, TITLE 5, CHAPTER 21, "RESIDENTIAL SITE" 	GROUNDCOVER TYPE SHOWN SHALL BE PLANTED IN ALL SHRUB AREAS AS SPECIFIED ON PLANS. GROUNDCOVER SHALL BE PLANTED AT 18" ON-CENTER UNIFORM TRIANGULAR SPACING, AND SHALL BE CONTINUOUS UNDER ALL TREE AND SHRUB MASSES AS SHOWN ON PLAN. M. <u>TURF</u>
IMPROVEMENT STANDARDS". GRADING, DRAINAGE, AND UTILITY NOTES	*SEE LANDSCAPING NOTES AND DETAIL SHEET FOR ADDITIONAL PLANTING NOTES.
1. ALL PROPOSED ON-SITE CURBING TO BE VERTICAL CURB WITH 6" REVEAL, UNLESS OTHERWISE STATED.	GENERAL SITE PLANTING
 ALL CURBS SHALL BE DEPRESSED AT CROSSWALKS AND CONFORM TO APPLICABLE STATE AND FEDERAL BARRIER FREE DESIGN STANDARDS. ALL CURB INLETS TO USE 6" CASTING. TOP OF CASTING TO FOLLOW TOP OF CURB ELEVATIONS. 	THE OWNER SHALL HAVE A SOIL ANALYSIS MADE AFTER COMPLETION OF THE ROUGH GRADING. THE CONTRACTOR SHALL INCORPORATE ALL SOIL AMENDMENTS AND FERTILIZERS DESCRIBED HEREIN. THE SOIL PREPARATION SPECIFIED BELOW SHALL BE ADJUSTED ACCORDING TO THE ANALYSIS, FOLLOWING APPROVAL FROM THE UNDERSIGNED.
 FOR ALL AREAS LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY, ACCESSIBILITY SHALL BE IN ACCORDANCE WITH THE CURRENT PUBLIC RIGHTS-OF-WAY ACCESS ADVISORY COMMITTEE GUIDELINE (PROWAG). 	 A. <u>WEED CONTROL FOR LAWN, SHRUB & GROUND COVER AREAS (EXCEPT SLOPES)</u> 1. REMOVE ALL EXISTING WEEDS FROM SURFACE AND DISPOSE OFFSITE. 2. IRRIGATION IS TO BE INSTALLED WHERE NOTED ON PLAN ACCORDING TO SHOP DRAWINGS.
 a. ALL WALKING SURFACES TO HAVE A MAXIMUM RUNNING SLOPE OF 1:20 (5%). b. ALL WALKING SURFACES GREATER THAN 1:20 (5%) WILL REQUIRE HANDRAILS. 	 FERTILIZE ALL SHRUB/GROUND COVER AREAS. APPLY 10LBS. OF 16-20-0 COMMERCIAL FERTILIZER PER 1,000 SQ. FT. OR AS DIRECTED BY SOILS REPORT. WATER ALL SHRUB/GROUND COVER AREAS FOR THREE (3) WEEKS TO GERMINATE WEED SEEDS. APPLY WATER AT LOW RATE TO AVOID EROSION.
 c. RAMP RUNS SHALL HAVE A MAXIMUM CROSS SLOPE OF 1:12 (8.3%). d. ALL WALKING SURFACES TO HAVE A MAXIMUM CROSS SLOPE OF 1:48 (2%). 	 5. LICENSED APPLICATOR SHALL APPLY SYSTEMIC WEED KILLER TO ALL PLANTING AREAS PER MANUFACTURER'S SPECIFICATIONS. B. <u>TOPSOIL PRESERVATION</u>
 e. ALL CROSSWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 1:48 (2%). 5. ALL GRADING WITHIN GRASSED AREAS TO BE A MINIMUM OF 2% AND A MAXIMUM OF 3:1 SLOPE UNLESS OTHERWISE NOTED. 	TOPSOIL MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTRIBUTED ON ALL REGARDED SURFACES. AT LEAST THREE (3) INCHES OF EVEN COVER SHALL BE PROVIDED TO ALL DISTRIBUTED AREAS OF THE DEVELOPMENT AND SHALL BE STABILIZED BY SEEDING OR PLANTING. IF EXCESS TOPSOIL REMAINS, THE THICKNESS SHALL BE INCREASED. IF ADDITIONAL IS REQUIRED, THE DEVELOPER SHALL PROVIDE IT. REMOVAL OF EXCESS TOPSOIL SHALL ONLY BE PERMITTED IN ACCORDANCE WITH A PLAN APPROVED BY THE MUNICIPAL AGENCY.
6. POSITIVE DRAINAGE TO BE MAINTAINED FROM ALL BUILDINGS IN ACCORDANCE WITH APPLICABLE REGULATIONS AND BUILDING CODE.	C. SOIL PREPARATION & FINAL GRADING 1. ALL STUMPS AND OTHER TREE PARTS. LITTER. BRUSH. WEEDS. EXCESS OR SCRAP BUILDING MATERIALS. OR OTHER DEBRIS SHALL BE REMOVED
7. FLOOR ELEVATIONS, ADJACENT GRADE, DOORWAY LOCATIONS AND ELEVATIONS SHALL BE CONFIRMED WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION BY THE CONTRACTOR.	FROM THE SITE AND DISPOSED OF. NO TREE STUMPS, PORTIONS OF TREE TRUNKS OR LIMBS SHALL BE BURIED ANYWHERE IN THE DEVELOPMENT. ALL DEAD OR DYING TREES, STANDING OR FALLEN, SHALL BE REMOVED FROM THE SITE. 2. ROUGH GRADE: SITE TO BE RECEIVED BY LANDSCAPE CONTRACTOR, TO WITHIN 1/10 FOOT PLUS OR MINUS, BY OWNER BASED UPON GRADING
8. ALL EXCAVATED SOIL TO BE DISPOSED SHALL BE PROPERLY CLASSIFIED, HANDLED, AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.	PLAN. 3. FINAL GRADE: FINAL GRADE TO CONSIST OF GRADING, RAKING AND HAND WORK NECESSARY TO ACHIEVE DESIRED CONTOUR AND FLOW LINE PATTERNS RESULTING IN EVENLY FINISHED SURFACES FREE OF DEBRIS AND LITTER.
9. ALL GRASSED AREAS TO HAVE A MINIMUM OF 4" CLEAN TOP SOIL, WHEN SOD IS BEING INSTALLED, OR 6" CLEAN TOP SOIL FOR SEEDING APPLICATIONS.	4. SPREAD OVER ALL LAWN, SHRUB AND GROUND COVER AREAS, AMENDMENTS AND FERTILIZER PRESCRIBED IN SOILS REPORT. THOROUGHLY MIX INTO SOIL TO DEPTH OF 6" OR MORE AND FINE GRADE. CONTRACTOR TO IMPORT SOIL NECESSARY TO ATTAIN DESIGN GRADES AND BERMS, ALL IMPORTED SOIL SHALL BE FREE OF WEEDS AND DEBRIS AND HAVE BALANCED PH., SMOOTH AND EVEN GRADING FOR PROPER DRAINAGE. FINAL GRADE SHALL BE 1" BELOW WALK/TOP OF CURB. REMOVE FROM THE SITE ALL STONES OVER 2" IN SIZE.
 PIPE LENGTHS INDICATED ARE MEASURED CENTER TO CENTER OF EACH STRUCTURE. SHOP DRAWINGS AND PRODUCT CATALOG INFORMATION FOR ALL STORM DRAINAGE AND SANITARY SEWER STRUCTURES, CONDUITS, MATERIALS, 	D. <u>PLANTING</u> PLANT TREES, SHRUBS AND GROUND COVER AS CALLED FOR WHERE INDICATED ON PLANTING PLAN AND AS DETAILED ON PLANTING DETAIL SHEET.
AND APPURTENANCES, TO BE PROVIDED TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PURCHASING.	 GROUND COVER - FLATS AND/OR CUTTINGS: ALL PLANT MATERIALS SPECIFIED AS PLUGS OR FLAT STOCK ON PLANTING PLAN SHALL REMAIN IN THE FLATS UNTIL TIME OF TRANSPLANTING. THE FLAT SOIL SHALL CONTAIN SUFFICIENT MOISTURE SO THAT SOIL DOES NOT FALL APART WHEN LIFTING PLANT FROM FLAT. GROUND COVER
 BUILDING ROOF LEADERS AND CLEAR WASTE FROM BUILDING TO CONNECT TO SITE STORM SEWER SYSTEM. CONNECTION POINTS WILL BE COORDINATED WITH ARCHITECTURAL AND PLUMBING PLANS. 	PLANTS SHALL NOT BE ALLOWED TO DRY OUT BEFORE OR DURING PLANTING. ROOTS SHALL NOT BE EXPOSED TO THE AIR EXCEPT WHILE ACTUALLY BEING PLANTED. WILTED PLANTS WILL NOT BE ACCEPTED. AT THE TIME OF PLANTING, THE SOIL AROUND EACH PLANT SHALL BE FIRMED SUFFICIENTLY TO FORCE OUT AIR POCKETS. PLANTS TO BE PLANTED IN TRIANGULAR SPACING AS SPECIFIED O.C. (ON CENTER). ALL
 13. UNLESS OTHERWISE INDICATED: a. RCP SHALL BE CLASS 3 WALL, BELL AND SPIGOT TYPE WITH O-RING GASKETS, UNLESS OTHERWISE NOTED. b. HDPE PIPES SHALL BE ADS N-12 WITH WATER TIGHT JOINTS OR APPROVED EQUAL. 	CUTTINGS SHALL BE MINIMUM OF 6" LONG. WATER IMMEDIATELY AFTER EACH PLANTING UNTIL ONE INCH OF WATER PENETRATION IS OBTAINED. CARE SHALL BE EXERCISED AT ALL TIMES TO PROTECT THE PLANTS AFTER PLANTING. ANY DAMAGE TO PLANTS BY TRAMPLING OR OTHER OPERATIONS OF THIS CONTRACT SHALL BE REPAIRED IMMEDIATELY. 2. SHRUBS:
c. STORM SEWER PVC PIPES SHALL BE SCHEDULE 80 WITHIN PAVED AREAS AND SCHEDULE 40 IN LANDSCAPED AREAS, UNLESS OTHERWISE NOTED	PLANT ALL CONTAINER GROWN PLANTS IN PLANTING PITS AS DIRECTED ON TREE AND SHRUB PLANTING AND STAKING DETAIL. THOROUGHLY MIX BACKFILL ACCORDING TO TREE AND SHRUB PLANTING AND STAKING DETAIL. CONTRACTOR SHALL CONSTRUCT BASINS AROUND ALL TREES; BASINS SHALL NOT EXCEED TOP OF ROOT BALL CROWN.
14. CONTRACTOR TO PERFORM TEST PITS TO VERIFY EXISTING UTILITY DEPTHS, SIZES AND LOCATIONS PRIOR TO CONNECTING PROPOSED SEWER TO EXISTING SEWER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICTS SO THAT DESIGN MODIFICATIONS CAN BE MADE IF NECESSARY.	3. TREES: ALL TREES SHALL HAVE A CALIPER OF TWO AND ONE-HALF (2 ½) INCHES OR SPECIFIED CALIPER IN PLANTING SCHEDULE AND THEY SHALL BE NURSERY GROWN, OF SUBSTANTIALLY UNIFORM SIZE AND SHAPE, AND HAVE STRAIGHT TRUNKS. TREES SHALL BE PROPERLY PLANTED AND
 ALL SANITARY SEWER MAINS, SEWER LATERALS, AND APPURTENANCES SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH NTSA AND NJDEP REQUIREMENTS. 	STAKED ACCORDING TO TREE AND SHRUB PLANTING AND STAKING/ EVERGREEN PLANTING & STAKING DETAIL AND PROVISION MADE BY THE APPLICANT FOR REGULAR WATERING AND MAINTENANCE UNTIL THEY ARE ESTABLISHED. THE APPLICANT SHALL REPLACE DEAD OR DYING TREES DURING THE NEXT PLANTING SEASON.
 ANY DAMAGE CAUSED TO THE EXISTING SANITARY SEWER SYSTEM AS A RESULT OF CONSTRUCTION ACTIVITIES (TO BE DETERMINED BY THE SEWER OWNER) SHALL BE REPAIRED BY THE CONTRACTOR, AT THE COST OF THE CONTRACTOR AND TO THE SEWER OWNER'S SATISFACTION. 	4. TOP DRESSING: TOP DRESS ALL GROUND COVER AND SHRUB AREAS WITH 2" THICK LAYER OF OGC (ORGANIC GROUND COVER) AS SPECIFIED ON PLANTING PLAN.
 PRIOR TO ACCEPTANCE, THE SANITARY SEWER SYSTEM SHALL BE TESTED IN ACCORDANCE WITH NTSA RULES AND REGULATIONS, AND WITNESSED AND APPROVED BY THE AUTHORITY ENGINEER. 	 E. <u>SOD</u> 1. AREAS SHALL HAVE A SMOOTH CONTINUAL GRADE BETWEEN EXISTING OF FIXED CONTROLS, SUCH AS: WALKS, CURBS, CATCH BASINS. ROLL, SCARIFY, RAKE AND LEVEL AS NECESSARY TO OBTAIN TRUE, EVEN SOIL STRUCTURE. 2. APPLY FERTILIZERS AS SPECIFIED BY SOIL ANALYSIS TO DEPTH OF 6".
 IN ACCORDANCE WITH N.J.A.C. 7:10-11.10(E)5, ALL WATER MAINS AND SANITARY SEWER LINES SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 10 FEET. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE WATER AND SEWER LINES SHALL BE IN SEPARATE TRENCHES (STEP TRENCHES ARE 	 SOD SHALL BE INSTALLED THE SAME DAY AS IT IS DELIVERED. SOD SHALL NOT BE LEFT ON PALLETS IN THE HOT SUN. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO SOD NOT INSTALLED ON DAY OF DELIVERY. UNROLL SOD CAREFULLY AND PLACE IN STAGGERED PATTERN OF STRIPS. SOD SHALL BE INSTALLED AGAINST ADJACENT STRIPS TO ELIMINATE
PROHIBITED) WITH THE TOP OF THE SEWER LINE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN OR WITH SUCH OTHER SEPARATION EXPRESSLY APPROVED BY THE NJDEP. AT CROSSINGS OF SEWER LINES AND WATER MAINS, THE TOP OF THE SEWER LINES SHALL BE AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN (SEWER SERVICE LATERALS ARE NOT SUBJECT TO THIS REQUIREMENT). IF SUCH VERTICAL SEPARATION IS NOT POSSIBLE, THE SEWER LINE SHALL BE OF WATERTIGHT CONSTRUCTION (DUCTILE IRON), WITH WATERTIGHT JOINTS THAT ARE A	JOINTS AND EDGES. 5. FOLLOWING INSTALLATION, SOD SHALL BE IRRIGATED THOROUGHLY TO PROVIDE MOISTURE PENETRATION TO AT LEAST 6" INTO PREPARED SOIL. 6. ALL SOD SHALL BE HANDLED AND LAID IN A HIGH STANDARD OF WORKMANSHIP MANNER. ALL ENDS, JOINTS, AND CUTS SHALL FIT TIGHTLY SO THAT THERE ARE NO VOIDS. THE FINAL APPEARANCE SHALL BE ONE OF A CONTINUOUS LAWN. SECTIONS OF SOD LESS THAN 18" LONG OR 9" WIDE
 19. UNLESS OTHERWISE INDICATED SANITARY SEWER MAINS SHALL BE PVC SDR-35 	SHALL NOT BE USED. 7. NO SOD AREA WILL BE ACCEPTED UNTIL APPROVED BY AUTHORITY HAVING JURISDICTION OR THE UNDERSIGNED, AS REQUIRED.
 ONLESS OTHERWISE INDICATED SANITARY SEWER MAINS SHALL BE PVC SDR-35 A MARKER STAKE PROTRUDING A MINIMUM OF FOUR FEET ABOVE THE GROUND SURFACE SHALL BE PLACED TO INDICATE THE END OF THE CONSTRUCTION STUBS FOR BUILDING CONNECTIONS. OR STUBS SHALL BE TURNED AND EXTENDED ABOVE GRADE BY FOUR FEET AND CAPPED. 	GENERAL SLOPE PLANTING A. PLANTING PREPARATION
21. CIRCULAR HOLE SAWS WHICH ARE APPROPRIATELY SIZED OR HAND DRILLS MUST BE USED TO MAKE OPENINGS IN EXISTING SEWERS TO RECEIVE LATERALS, JACKHAMMERS, SLEDGEHAMMERS AND OTHER UNSUITABLE TOOLS OR MACHINERY WHICH MAY DAMAGE THE SEWER MAIN ARE NOT	 SLOPE TEXTURING a. CUT SLOPES: THESE SURFACES SHALL BE ROUGHENED IN A HORIZONTAL DIRECTION FOLLOWING THE CONTOUR OF THE SLOPE. THE ROUGHENED TEXTURE SHALL BE MADE BY HAND RAKING OR SIMILAR MECHANICAL MEANS. b. EUL SLOPES: THESE SUBSCRESS SHALL BE COMPACTED AND EINISHED AND ALSO POLICHENED IN A HORIZONTAL DIRECTION FOLLOWING THE
 ALLOWED TO BE USED TO MAKE LATERAL OPENINGS. ALL DEBRIS MUST BE REMOVED AND NOT ALLOWED TO FALL INTO THE PIPE. ALL WATER MAINS, WATER SERVICES AND APPURTENANCES SHALL BE CONSTRUCTED, TESTED AND DISINFECTED IN ACCORDANCE WITH NJAW AND 	 b. FILL SLOPES: THESE SURFACES SHALL BE COMPACTED AND FINISHED AND ALSO ROUGHENED IN A HORIZONTAL DIRECTION FOLLOWING THE CONTOUR OF THE SLOPE. THE ROUGHENED TEXTURE SHALL BE MADE BY HAND RAKING OR SIMILAR MECHANICAL MEANS. 2. WEED ERADICATION a. MANUALLY REMOVE EXISTING VEGETATION WHERE NOTED ON PLAN AND DISPOSE OFFSITE.
 ALL WATER MAINS, WATER SERVICES AND APPORTENANCES SHALL BE CONSTRUCTED, TESTED AND DISINFECTED IN ACCORDANCE WITH NJAW AND NJDEP REQUIREMENTS. ALL WATER SERVICES TO BE INSTALLED IN CONFORMANCE WITH THE REQUIREMENTS OF THE PLUMBING SUBCODE PROMULGATED BY THE NEW 	 b. FERTILIZE ALL PLANTING AREAS BASED UPON SOIL ANALYSIS. BEGIN WATERING PROCESS TO ACTIVATE FERTILIZER AND ADDITIVE CHEMICALS. c. WATER ALL PLANTING AREAS THOROUGHLY FOR A PERIOD OF TWO (2) CONSECUTIVE WEEKS. THE UNDERSIGNED SHALL APPROVE SPECIFIC WATERING DURATION AND FREQUENCY DESIGNED TO GERMINATE ALL RESIDUAL WEED SEEDS.
 ALL WATER SERVICES TO BE INSTALLED IN CONFORMANCE WITH THE REQUIREMENTS OF THE PLUMBING SUBCODE PROMULGATED BY THE NEW JERSEY DEPARTMENT OF COMMUNITY AFFAIRS PURSUANT TO THE STATE UNIFORM CONSTRUCTION CODE ACT (NJAC 5:23-3.15). ALL NEW WATER MAINS SHALL BE LAID WITH A MINIMUM OF 3.5 FEET OF COVER OVER THE PIPE TO PREVENT FREEZING. 	d. IF PERENNIAL WEEDS APPEAR, DISCONTINUE WATERING PROCESS FOR TWO (2) DAYS, THEN APPLY RECOMMENDED HERBICIDE BY LICENSED APPLICATOR.IF ANNUAL WEEDS APPEAR, USE STRAIGHT CONTACT HERBICIDE AS PER THE LICENSED APPLICATOR'S RECOMMENDATIONS. NO WATER SHALL BE APPLIED FOR A MINIMUM OF FOUR (4) DAYS FOLLOWING APPLICATION CONTACT WEED KILLER.
 ALL NEW WATER MAINS SHALL BE LAID WITH A MINIMUM OF 3.5 FEET OF COVER OVER THE PIPE TO PREVENT FREEZING. A MARKER STAKE PROTRUDING A MINIMUM OF FOUR FEET ABOVE THE GROUND SURFACE SHALL BE PLACED TO INDICATE THE END OF THE CONSTRUCTION STUBS FOR BUILDING CONNECTIONS. 	 e. ALLOW SUFFICIENT PERIOD OF TIME TO INSURE THAT ALL WEEDS ARE DEAD. f. WATER ALL PLANTING AREAS THOROUGHLY FOR A PERIOD OF THREE (3) WEEKS. A SHORTER WATERING PERIOD MAY BE PERMISSIBLE AT THE DISCRETION OF THE UNDERSIGNED AND/OR THE PEST CONTROL ADVISOR. DISCONTINUE WATERING FOR ONE (1) DAY PRIOR TO THE SECOND ADDUCATION OF THE HERBICIDE. BE ADDUX A STRAIGHT CONTACT WEED KILLER. AS DED THE DEST CONTROL ADVISOR'S RECOMMENDATIONS
26. ALL PROPOSED UTILITY CONNECTIONS (SEWER/WATER/ELECTRIC/GAS/ETC) TO UTILIZE EXISTING BUILDING TO SERVICE PROPOSED ADDITIONS	APPLICATION OF THE HERBICIDE. RE-APPLY A STRAIGHT CONTACT WEED KILLER, AS PER THE PEST CONTROL ADVISOR'S RECOMMENDATIONS. FOR EFFECTIVE WEED ERADICATION, ALLOW A MINIMUM OF FOUR (4) DAYS WITHOUT IRRIGATION.RO g. REMOVE ALL DESICCATED WEEDS FROM SLOPES. B. PLANTING
27. STORMWATER MANAGEMENT FACILITIES SHALL BE REGULARY MAINTAINED TO ENSURE THEY FUNCTION AT DESIGN CAPACITY AND TO PREVENT HEALTH HAZARDS ASSOCIATED WITH DEBRIS BUILDUP AND STAGNANT WATER.	B. <u>PLANTING</u> PLANT TREES AND SHRUBS AS INDICATED ON PLANTING PLAN AND AS DETAILED ON PLANTING DETAIL SHEET. SUBSTITUTIONS OF PLANTS WILL NOT BE ACCEPTED UNLESS APPROVED IN WRITING BY THE UNDERSIGNED. INSTALL ALL CONTAINER GROWN PLANTS ACCORDING TO TREE AND SHRUB PLANTING AND STAKING DETAIL. THOROUGHLY MIX THE SPECIFIED MATERIALS FOUND IN THE SOIL ANALYSIS AND THOSE SPECIFIED IN THE PLANTING
28. RESPONSIBILITY FOR OPERATION AND MAINTENANCE OF THE STORMWATER FACILITIES, INCLUDING PERIODIC REMOVAL AND DISPOSAL OF ACCUMULATED PARTICULATE MATERIAL AND DEBRIS, SHALL REMAIN WITH THE OWNERS OR OWNERS OF THE PROPERTY. MAINTENANCE SHALL	DETAIL SHEET WITH THE SITE SOIL PRIOR TO BACKFILLING OF PLANTING PITS.
FOLLOW THE OPERATIONS MAINTENANCE MANUAL APPROVED BY THE NEPTUNE TOWNSHIP PLANNING BOARD.	
29. IN THE EVENT THAT THE FACILITY BECOMES A DANGER TO PUBLIC SAFETY OR PUBLIC HEALTH, OR IF IT IS IN NEED OF MAINTENANCE. THE THE OWNER SHALL AFFECT SUCH MAINTENANCE AND REPAIR OF THE FACILITY IN A MANNER THAT IS APPROVED BY THE TOWNSHIP ENGINEER.	

NOTES

DPE PLANTING

SOIL EROSION AND SEDIMENT CONTROL NOTES

- . TRACKING PADS TO BE INSTALLED IN ACCORDANCE WITH THE APPROVE ALL TIMES. ADDITIONAL TRACKING PADS, CONFORMING TO SESC STAN
- PERIMETER IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL DETAILS.
- SEDIMENT CONTROL
- DEVELOPER AND/OR SITE CONTRACTOR.
- 5. THIS SESC PLAN IS FOR SOIL EROSION AND SEDIMENT CONTROL MEASURES ONLY. THIS PLAN IS NOT TO BE USED FOR SITE CONSTRUCTION

TEMPORARY CONSTRUCTION NOTES

- 1. TEMPORARY TRAILERS MAY BE USED ONLY DURING THE CONSTRUCTION PHASE OF THE DEVELOPMENT. ALL MATERIAL STORAGE AND
- (45) DAYS OR MORE, OR IF CONSTRUCTION ACTIVITY HAS SUBSTANTIALLY SLOWED.
- 2. CONSTRUCTION TRAILERS MUST BE REMOVED UPON THE COMPLETETION OF OR FINAL OCCUPANCY OF THE NEW STRUCTURE(S).
- UNDERTAKEN SHALL BE SUBJECT TO THE PROVISIONS OF ORDINANCE 07-25 SECTIONS 412.21 G THROUGH L.

GENERAL NOTES

- SUBJECT PROPERTY TAX MAP #23: BLOCK #2301, LOT #1, TOWNSHIP OF NEPTUNE, MONMOUTH COUNTY, NEW JERSEY CENTER SITE COORDINATES 508,614 N 614372 E.
- PURPOSE OF THIS PLAN SET APPROVALS HAVE BEEN SATISFIED
- SURVEY DATA SURVEY INFORMATION CONTAINED HEREON IS BASED ON A FIELD SURVEY PERFORMED BY INSITE SURVEYING, LLC, ENTITLED "BOUNDARY PARTIAL TOPO SURVEY OF BLOCK 2301, LOT 1, 3300 ROUTE 66", BEING DATED 03/17/23, LAST REVISED 09/18/23. HORIZONTAL DATUM: NAD83 VERTICAL DATUM: NAVD88
- BASE FLOOD ELEVATION ACCORDING TO FEMA'S EFFECTIVE FIRM ENTITLED "FIRM - FLOOD INSURANCE RATE MAP (FIRM), MONMOUTH COUNTY, NEW JERSEY (ALL THE NAVD88 VERTICAL DATUM.
- ARCHITECTURAL INFORMATION ARCHITECTURAL INFORMATION CONTAINED HEREON IS BASED ON PLANS PREPARED BY REDCOM DESIGN & CONSTRUCTION, ENTITLED "FULFILL FOOD BANK", BEING DATED 05/17/23, LAST REVISED 03/08/24.
- DINDERGROUND UTILITIES NOTIFICATION FOR ANY EXCAVATION IN NEW JERSEY, THE CONTRACTOR MUST CALL NEW JERSEY ONE CALL SERVICE AT 1-800-272-1000 FOR A MARKOUT REQUEST NO LESS THAN THREE (3) WORKING DAYS PRIOR TO STARTING ANY EXCAVATION.
- VERIFICATION OF UTILITIES CONTRACTOR IS DIRECTED TO THE FACT THAT THE APPROXIMATE LOCATIONS OF KNOWN UTILITY STRUCTURES AND FACILITIES (INCLUDING BUT NOT LIMITED TO SANITARY SEWERS, STORM SEWERS, POTABLE WATER LINES AND APPURTENANCES, NATURAL GAS LINES, ELECTRIC, TELEPHONE AND CATV LINES AND UNDERGROUND STORAGE TANKS) THAT MAY BE ENCOUNTERED WITHIN AND ADJACENT TO THE LIMITS OF THE WORK ARE
- CONSTRUCTION, OF ANY DISCREPANCIES WHICH MAY AFFECT THE PROJECT DESIGN. INLESS OTHERWISE NOTED HEREON. ALL SITE WORK SHALL BE CARRIED OUT IN CONFORMANCE WITH THE PROVISIONS OF THE "NEW JERSEY
- CONSTRUCTION REQUIREMENTS
- CONTRACTOR SHALL OBTAIN ALL APPLICABLE FEDERAL, STATE AND LOCAL PERMITS PRIOR TO CONSTRUCTION.
- ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
- ACCORDANCE WITH ANY LOCAL STATE OR FEDERAL REGULATIONS
- THE CONTRACTOR. 10. CONSTRUCTION PERMITS/INSPECTIONS
- PLANS, INSTALLATION AND MAINTENANCE OF TRAFFIC CONTROL AND COORDINATION OF ALL INSPECTIONS REQUIRED BY THE TOWNSHIP OF NEPTUNE, MONMOUTH COUNTY, NJAW, NTSA, AND ANY OTHER APPLICABLE AGENCY HAVING JURISDICTION OVER THE PROJECT.
- 11. ADA COMPLIANCE DESIGN, STANDARDS FOR PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES: TITLE III. b. ALL SITE IMPROVEMENTS LOCATED WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN COMPLIANCE WITH THE CURRENT PUBLIC RIGHTS-OF-WAY ACCESS ADVISORY COMMITTEE GUIDELINES c. ALL PROPOSED IMPROVEMENTS ARE IN ACCORDANCE WITH ADA REQUIREMENTS.
- 12. STORMWATER POLLUTION PREVENTION PLAN BE RESPONSIBILITY OF THE DEVELOPER AND/OR SITE CONTRACTOR.
- 13. OVERALL CONSTRUCTION DOCUMENTS
- CONSTRUCTION
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH NEPTUNE TOWNSHIP DESIGN STANDARDS AND DETAILS.
- NO SOIL SHALL BE REMOVED FROM THE SITE WITHOUT THE WRITTEN APPROVAL OF THE DIRECTOR OF ENGINEERING AND PLANNING.
- 16. <u>LOCATION OF UTILITIES</u> ALL PROPOSED UTILITIES SHALL BE PLACED UNDERGROUND.
- 7. CONSTRUCTION STANDARDS

1.	TRACKING PADS TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED SESC PLAN. A MINIMUM OF 1 TRACKING PAD MUST BE IN OPERATION AT ALL TIMES. ADDITIONAL TRACKING PADS, CONFORMING TO SESC STANDARDS MAY BE ADDED AS THE CONTRACTOR DEEMS NECESSARY.
2.	SOIL STOCKPILES TO BE PLACED AS REQUIRED WITHIN THE PROJECT SITE AND SILT FENCE LIMITS WITH SILT FENCE PLACED AROUND THE PROJECT SITE AND SEDIMENT CONTROL DETAILS

SHOULD ADDITIONAL STOCKPILE AREA BE NEEDED, THE CONTRACTOR SHALL CONFORM TO THE STATE STANDARDS FOR SOIL EROSION AND

THIS PLAN PREPARED TO ADDRESS EROSION AND SEDIMENT CONTROL COMPONENT OF THE STORMWATER POLLUTION PREVENTION PLAN (SPPP) AT TIME OF DESIGN. ALL OTHER COMPONENTS OF THE SPPP AND GENERAL STORMWATER PERMIT NO. NJG0088323 TO BE RESPONSIBILITY OF THE

CONSTRUCTION OFFICE TRAILERS MUST BE REMOVED IF NOT SITE WORK OR CONSTRUCTION ACTIVITY HAS OCCURED ON-SITE FOR FOR FORTY-FIVE

3. TRAILERS FOR THE DISPOSAL OF MATERIALS OR FOR THE STORAGEOF MATERIALS AND SUPPLIES NOT RELATED TO THE CONSTRUCTION ON JOB

THIS PLAN SET HAS BEEN PREPARED FOR THE PURPOSE OF PRELIMINARY/FINAL SITE PLAN MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THE PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL FINAL APPROVALS HAVE BEEN OBTAINED AND ALL THE CONDITIONS OF THE

JURISDICTIONS)," COMMUNITY PANEL #34025C0331F, DATED 9/25/09, THE SITE IS NOT LOCATED WITHIN A FLOOD HAZARD AREA. FEMA MAP REFERENCE

SHOWN ON THE PLANS. THE ACCURACY AND COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED BY THE ENGINEER, AND THE CONTRACTOR IS ADVISED TO VERIFY IN THE FIELD ALL THE FACTS CONCERNING THE LOCATION AND ELEVATION OF THESE UTILITIES OR OTHER CONSTRUCTION OBSTACLES IMPACTED BY NEW CONSTRUCTION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, PRIOR TO

DEPARTMENT OF TRANSPORTATION (NJDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.

a. ALL CONSTRUCTION AND DEMOLITION SHALL CONFORM WITH ANY APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. CONTRACTOR HAS SOLE RESPONSIBILITY FOR SITE SAFETY WAYS, MEANS AND METHODS OF CONSTRUCTION, AND SHALL CONFORM TO AND ABIDE BY ALL CURRENT OSHA STANDARDS OR REGULATIONS. SAFE CONSTRUCTION PRACTICES REMAIN THE OBLIGATION OF THE CONTRACTOR. THE b. THE CONTRACTOR SHALL PERFORM ALL WORK IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN c. THE CONTRACTOR SHALL PROVIDE NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY WITHIN THE PROJECT FOR THE PROTECTION AND THE SAFETY OF THE PUBLIC AND MAINTAIN THROUGHOUT CONSTRUCTION. d. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE CLEANUP WITHIN THE CONSTRUCTION AREA AND SHALL DISPOSE OF DEBRIS IN e. ANY DAMAGE TO PUBLIC STREETS, CURBS, SIDEWALKS AND UTILITIES AS A RESULT OF SITE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY

NTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS INCLUDING ROAD OPENING PERMITS, PREPARATION OF TRAFFIC CONTROL

a. ALL SITE IMPROVEMENTS LOCATED ON THE PRIVATE PROPERTY SHALL BE IN COMPLIANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE

a. SOIL EROSION PLANS HAVE BEEN PREPARED TO ADDRESS EROSION AND SEDIMENT CONTROL COMPONENT OF THE STORMWATER POLLUTION PREVENTION PLAN (SPPP) AT TIME OF DESIGN. ALL OTHER COMPONENTS OF THE SPPP AND GENERAL STORMWATER PERMIT NO. NJ6008823 TO b. CONTRACTOR/DEVELOPER MUST PREPARE AND FOLLOW A STORMWATER POLLUTION PREVENTION PLAN FOR THE DURATION OF THE PROJECT.

HIS PLAN SET CONSISTS OF MULTIPLE SHEETS. INDIVIDUAL PAGES SHALL NOT BE UTILIZED FOR CONSTRUCTION ON THEIR OWN AS NOTES AND INFORMATION PROVIDED ON OTHER SHEETS MAY IMPACT WORK REQUIREMENTS. CONTRACTOR SHALL REVIEW AND UTILIZE ENTIRE PLAN SET FOR

G CONSTRUCTION, THE APPLICANT SHALL COMPLY WITH SOLID WASTE, PUBLIC HEALTH AND NOISE CODES.

Block	Lot Qualifier	Location	Owner	Owner Street	Owner City\State\Zip	A
2201	29	788 WAYSIDE RD	788 WAYSIDE INC	788 WAYSIDE ROAD	NEPTUNE, NJ 07753	
2201	30	790 WAYSIDE RD	FAULHABER,FREDERICK C & BARBARA L	794 WAYSIDE ROAD	NEPTUNE, NJ 07753	
2201	31	794 WAYSIDE RD	FAULHABER, FREDERICK C & BARBARA L	794 WAYSIDE ROAD	NEPTUNE, NJ 07753	
2201	32	2990 ROUTE 66	EXTRA SPACE PROP. EIGHTY FOUR, LLC	PO BOX 71870/6890 S 2300E	SALT LAKE CITY, UTAH 84171	
2301	1	3300 ROUTE 66	FOOD BANK OF MONMOUTH & OCEAN CO	3300 ROUTE 66	NEPTUNE, NJ 07753	
2301	.2	789 WAYSIDE RD	BELL ATLANTIC/PROP TAX% DUFF&PHELPS	.PO BOX 2749	ADDISON, TEXAS 75001	
2301	3	783 WAYSIDE RD	FIRST FINANCIAL FEDERAL CREDIT UNIO	PO BOX 1172	TOMS RIVER, NJ 08754	
2301	11	12 SHERWOOD DR	CORPUZ, ALDRIN & LOUVETTE	12 SHERWOOD DRIVE	NEPTUNE, NJ 07753	
2301	12	1 PROVINCIAL PL	COMMODORE, PAUL S	1 PROVINCIAL PL	NEPTUNE, NJ 07753	
2301	13	3 PROVINCIAL PL	DUROGENE, RAVIN & MARIE	3 PROVINCIAL PL	NEPTUNE, NJ 07753	
2301	14	5 PROVINCIAL PL	SIMMONS, SANDRA M	5 PROVINCIAL PL	NEPTUNE, NJ 07753	
2301	87	3304 ROUTE 66	WARDYANTO, IRA D & CHEN, CHIN YEN	3304 ROUTE 66	NEPTUNE, NJ 07753	
2301	88	ROUTE 66	TOWNSHIP OF NEPTUNE	PO BOX 1125	NEPTUNE, NJ 07754	
2302	1	11 SHERWOOD DR	GRIFFIN, PATRICK & SHERYL	11 SHERWOOD DRIVE	NEPTUNE, NJ 07753	

<u>PROPERTY OWNERS WITHIN 200</u>

UTILITY CONTACTS

New Jersey- American Water Company, Inc. Attn: Donna Short GIS Supervisor 1025 Laurel Oak Road Voorhees, N.J. 08043

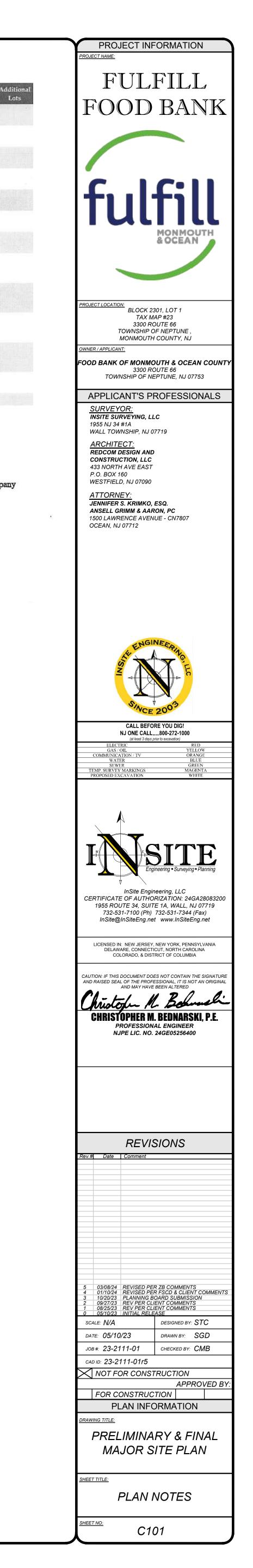
> Verizon Legal Department 17th Floor C/o Land Use Matters 540 Broad Street Newark, N.J. 07102

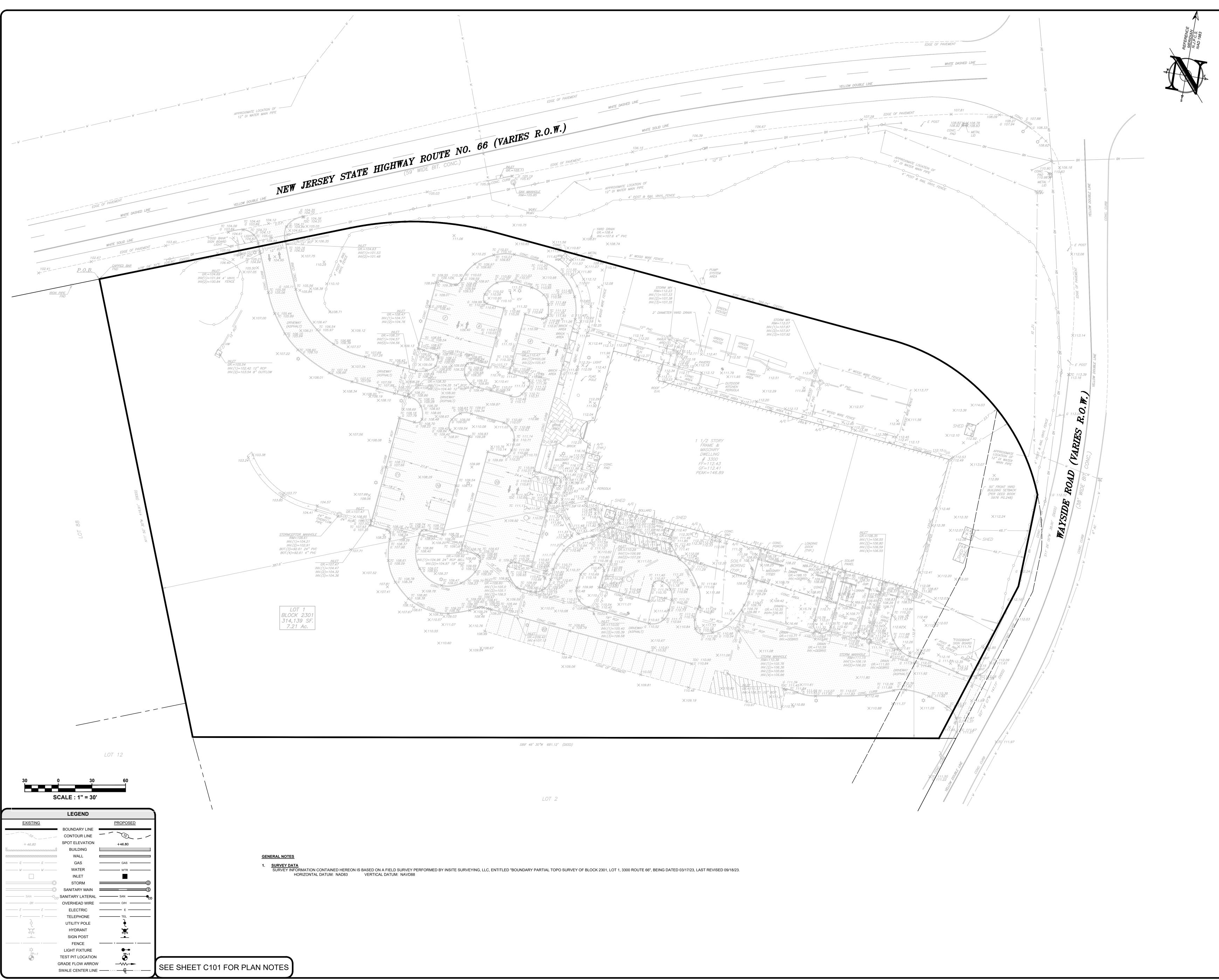
New Jersey Natural Gas Company Attn: Right of Way Department 1415 Wyckoff Road Wall Twp, N.J. 07719

Jersey Central Power & Light Company Attn: Land Use Matters 300 Madison Avenue Morristown, N.J. 07960

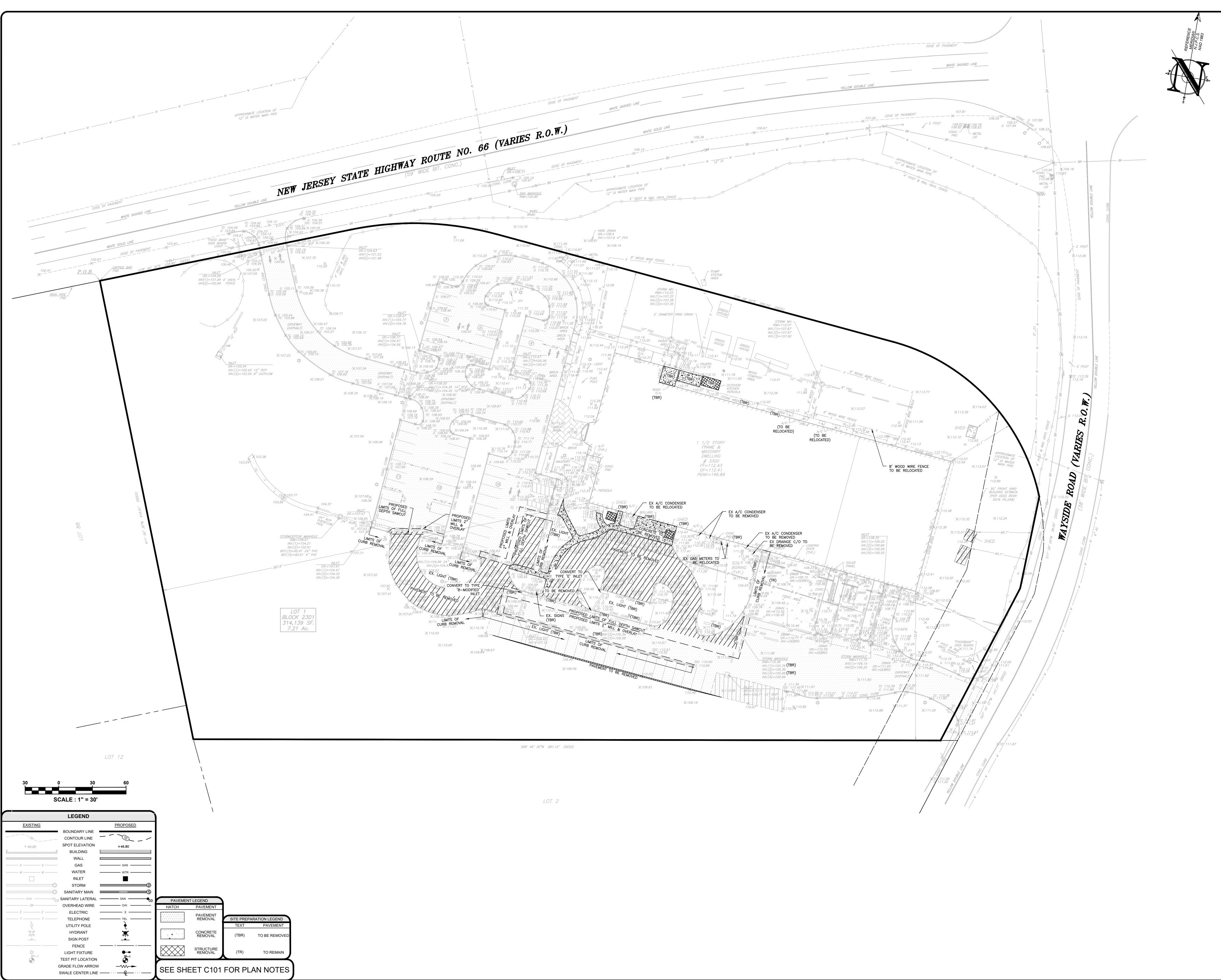
> Monmouth Cablevision Attn: Land Use Matters 1501 18th Avenue Wall Twp, N.J. 07719

NEPTUNE TOWNSHIP SEWERAGE AUTHORITY 634 OLD CORLIES AVENUE NEPTUNE CITY, NJ 07753.

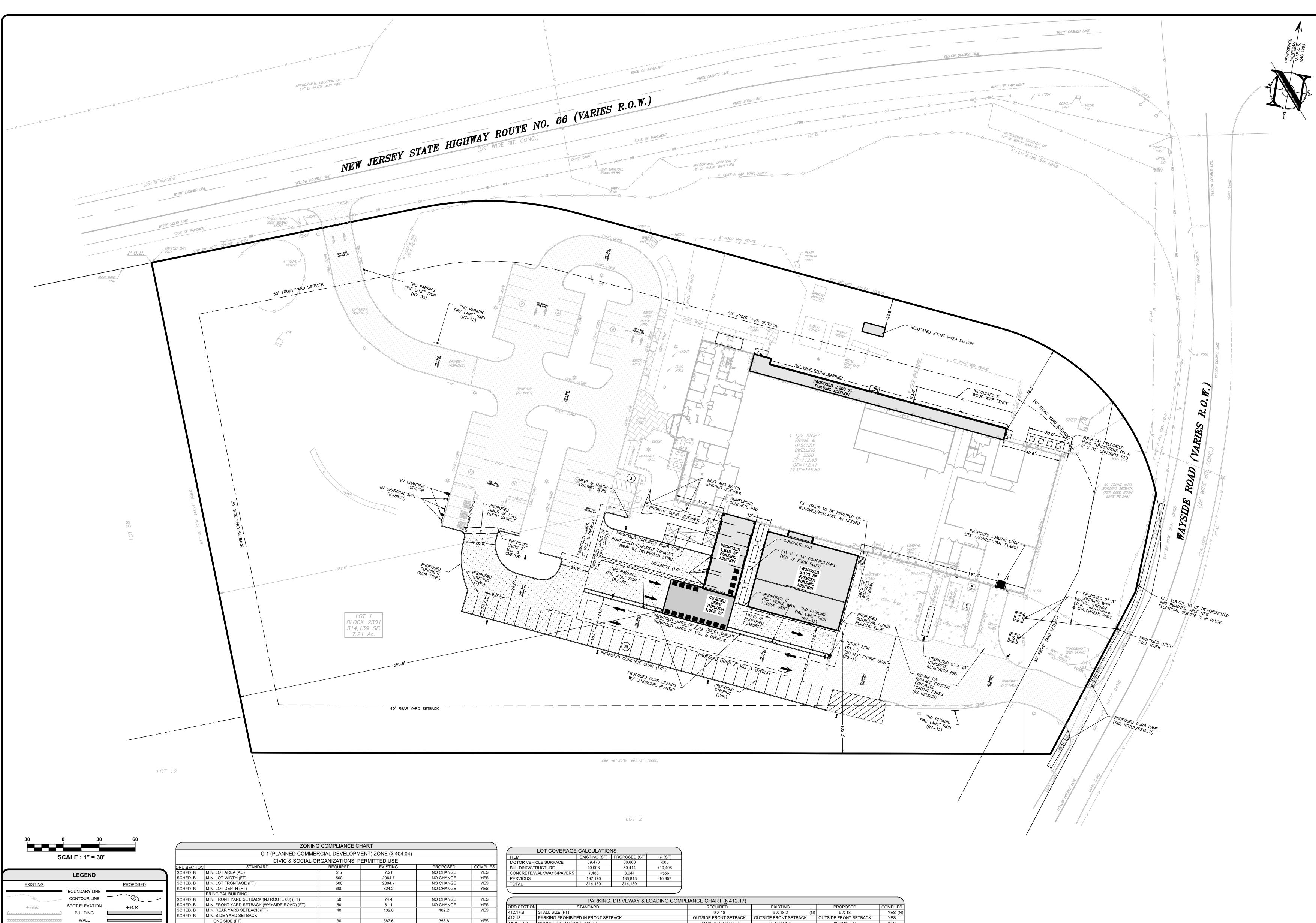




PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK MONMOUTH & OCEAN PROJECT LOCATION: BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE , MONMOUTH COUNTY, NJ WNER / APPLICANT: FOOD BANK OF MONMOUTH & OCEAN COUNTY 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS SURVEYOR: INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 ARCHITECT: REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> JENNIFER S. KRIMKO, ESQ. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL....800-272-1000 COMMUNICATIO TEMP. SURVEY MARKINGS InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATUR AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND MAY HAVE BEEN ALTERED CHRISTOPHER M. BEDNARSKI, P.E. PROFESSIONAL ENGINEER NJPE LIC. NO. 24GE05256400 REVISIONS v.# Date Com REVISED PER ZB COMMENTS REVISED PER FSCD & CLIENT COMMENTS PLANNING BOARD SUBMISSION 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE scale: **1"=30'** DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD ЈОВ #: 23-2111-01 СНЕСКЕД ВУ: СМВ cad ID: 23-2111-01r5 NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION RAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN HEET TITLE: EXISTING CONDITIONS PLAN <u>SHEET NO:</u> C200



PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK MONMOUTH & OCEAN PROJECT LOCATION: BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE , MONMOUTH COUNTY, NJ WNER / APPLICANT: FOOD BANK OF MONMOUTH & OCEAN COUNTY 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS SURVEYOR: INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 ARCHITECT: REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> JENNIFER S. KRIMKO, ESQ. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL....800-272-1000 COMMUNICATIO TEMP. SURVEY MARKINGS InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATUR AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND MAY HAVE BEEN ALTERED CHRISTOPHER M. BEDNARSKI, P.E. PROFESSIONAL ENGINEER NJPE LIC. NO. 24GE05256400 REVISIONS v.# Date Com 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS 10/20/23 PLANNING BOARD SUBMISSION 09/27/23 REV PER CLIENT COMMENTS 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE scale: **1"=30'** DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD ЈОВ #: 23-2111-01 СНЕСКЕД ВУ: СМВ cad ID: 23-2111-01r5 \checkmark NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION RAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN HEET TITLE: SITE PREPARATION PLAN <u>SHEET NO:</u> C201



GAS GAS _____ G ______ G _____ WATER _____ W ______ W _____ _____ WTR _____ INLET STORM _____O SANITARY MAIN _______S SANITARY LATERAL _____ SAN _____ OVERHEAD WIRE _____ O/H _____ ELECTRIC TELEPHONE TEL UTILITY POLE HYDRANT X SIGN POST _ FENCE _____ x _____ x ____ LIGHT FIXTURE •-• **•** TEST PIT LOCATION GRADE FLOW ARROW ------**-**

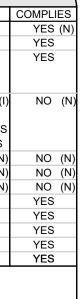
ONE SIDE (FT) 387.6 BOTH SIDES (FT) N/A N/A SCHED. B MAX. BUILDING HEIGHT (FT) 34.63 SCHED. B MAX. BUILDING HEIGHT (STORIES) 1 1/2 LOT COVERAGE MAX. BUILDING COVERAGE (%) 12.7 SCHED. B MAX. TOTAL LOT COVERAGE (%) SCHED. B 65 37.3 SCHED. B MIN. IMPROVABLE AREA (SF) 84,900 223,400 SCHED. B MIN. IMPROVABLE AREA DIAMETER OF CIRCLE (FEET) >189 SCHED. B MAX. FLOOR AREA RATIO 0.13 (N) EXISTING NON-CONFORMITY (I) IMPROVED CONDITION (X) VARIANCE / NON-CONFORMITY ELIMINATED N/A - NOT APPLICABLE N/S - NOT SPECIFIED (E) EXISTING VARIANCE (V) PROPOSED VARIANCE (W) PROPOSED WAIVER (a) THIS PERTAINS TO AN EXISTING STRUCTURE WHICH WAS NOT MADE AVAILABLE TO THIS OFFICE (1) PER ORD. #07-11 BUILDING HEIGHT IS THE THE VERTICAL DISTANCE MEASURED FROM THE AVERAGE ELEVATION OF THE PROPOSED FINISHED GRADE AT ALL CORNERS OF THE BUILDING TO THE TOP OF THE HIGHEST ROOF BEAMS ON A FLAT OR SHED ROOF, THE DECK LEVEL ON A MANSARD ROOF, AND THE AVERAGE HEIGHT BETWEEN THE EAVES AND THE RIDGE LEVEL FOR GABLE, HIP, AND GAMBREL ROOFS.
 EXISTING BUILDING HEIGHT:

 AVERAGE GRADE: (112.08 + 112.36 + 112.25 + 112.00 + 112.34 + 112.53) / 6 = 112.26

 BUILDING HEIGHT: 146.89 - 112.26 = 34.63

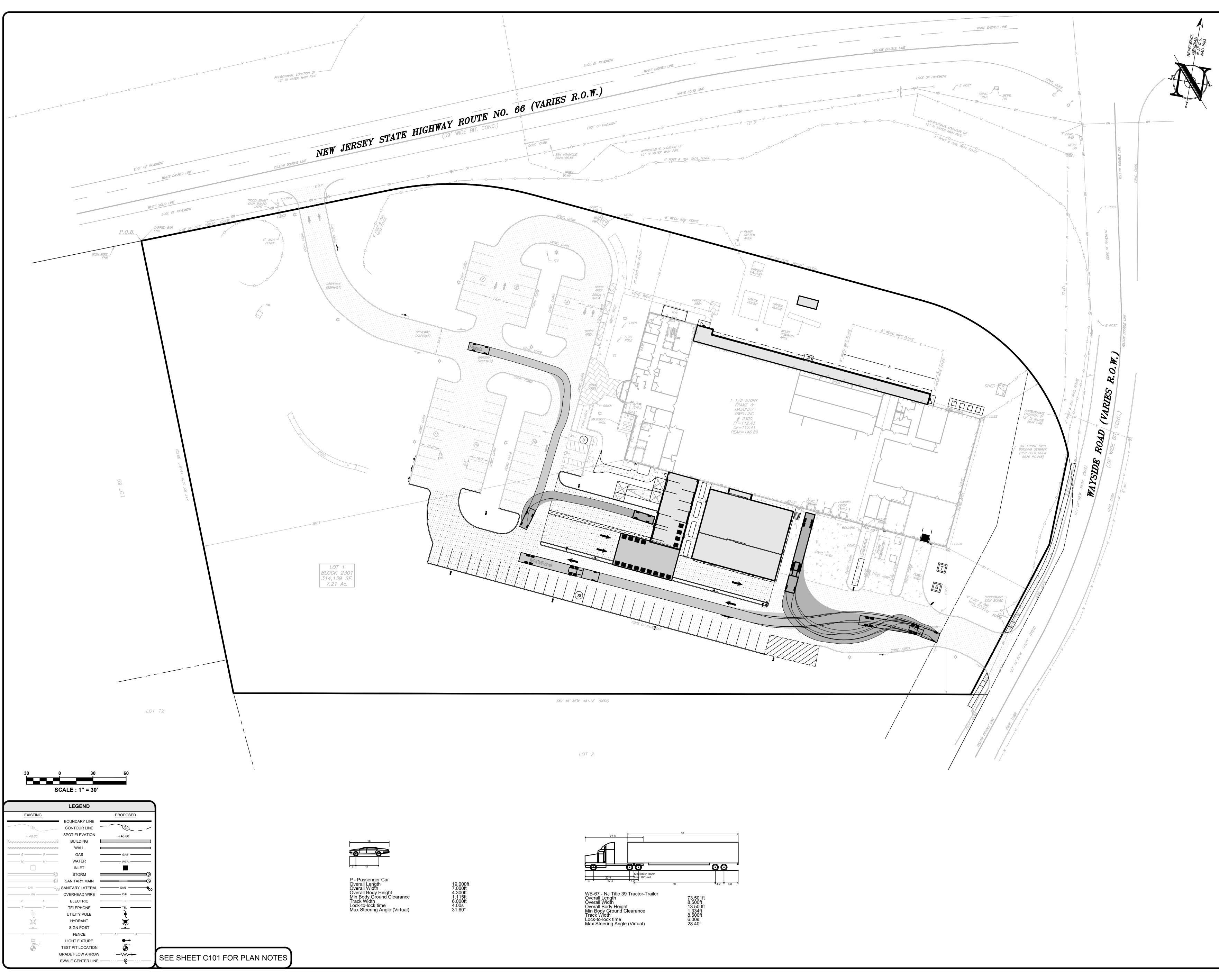
SEE SHEET C101 FOR PLAN NOTES

YES TABLE 4.2 NUMBER OF PARKING SPACES TOTAL = 56 SPACES 85 SPACES 88 SPACES YES YES NO CHANGE WAREHOUSE & DISTRIBUTION FACILITY: 1 PER 2,500 SF OF GFA 43,315 SF / 2,500 = 18 SPACES (INCL. 3 ADA) (INCL. 3 ADA) NO CHANGE OFFICE: 1 PER 300 SF OF GFA 11,331 SF / 300 = 38 SPACES YES NO CHANGE MAX. NUMBER OF PARKING SPACES 412.17.F 88 SPACES (157%) <120% OF REQUIRED SPACES 85 SPACES (181%) (N WAREHOUSE & DISTRIBUTION FACILITY: 1 PER 2,500 SF OF GFA REQUIRED = 47 SPACES REQUIRED = 56 SPACES YES 16.0 33,754 SF / 2,500 = 14 SPACES 41,346 SF / 2,500 = 17 SPACES OFFICE: 1 PER 300 SF OF GFA 40.5 YES 9,818 SF / 300 = 33 SPACES 11,595 SF / 300 = 39 SPACES 223,400 YES YES YES 514.B.9 MIN. AISLE WIDTH (PERPENDICULAR PARKING)(FT) NO CHANGE 23.8 NO CHANGE MIN. WAREHOUSE DRIVEWAY WIDTH (TWO WAY)(FT) TABLE 5.2 NO CHANGE 23.8 MAX. WAREHOUSE DRIVEWAY WIDTH (TWO WAY)(FT) TABLE 5.2 54.4 NO CHANGE MIN. FRONT YARD SETBACK (FT) 411.04.E NO CHANGE MIN. SIDE YARD PARKING LOT SETBACK (FT) 509.I.1 NO CHANGE 193.3 MIN. REAR YARD PARKING LOT SETBACK (FT) 509.I.1 NO CHANGE 40.5 514.B.3 MIN. PARKING SETBACK TO BUILDING (FT) 24 TABLE 4.1MIN. WAREHOUSE LOADING BERTHS (20,000 TO 39,999 SF)(N) EXISTING NON-CONFORMITY(I) IMPROVED CONDITION NO CHANGE N/A - NOT APPLICABLE (E) EXISTING VARIANCE (X) VARIANCE / NON-CONFORMITY ELIMINATED N/S - NOT SPECIFIED (V) PROPOSED VARIANCE (W) PROPOSED WAIVER (a) THIS PERTAINS TO AN EXISTING STRUCTURE WHICH WAS NOT MADE AVAILABLE TO THIS OFFICE

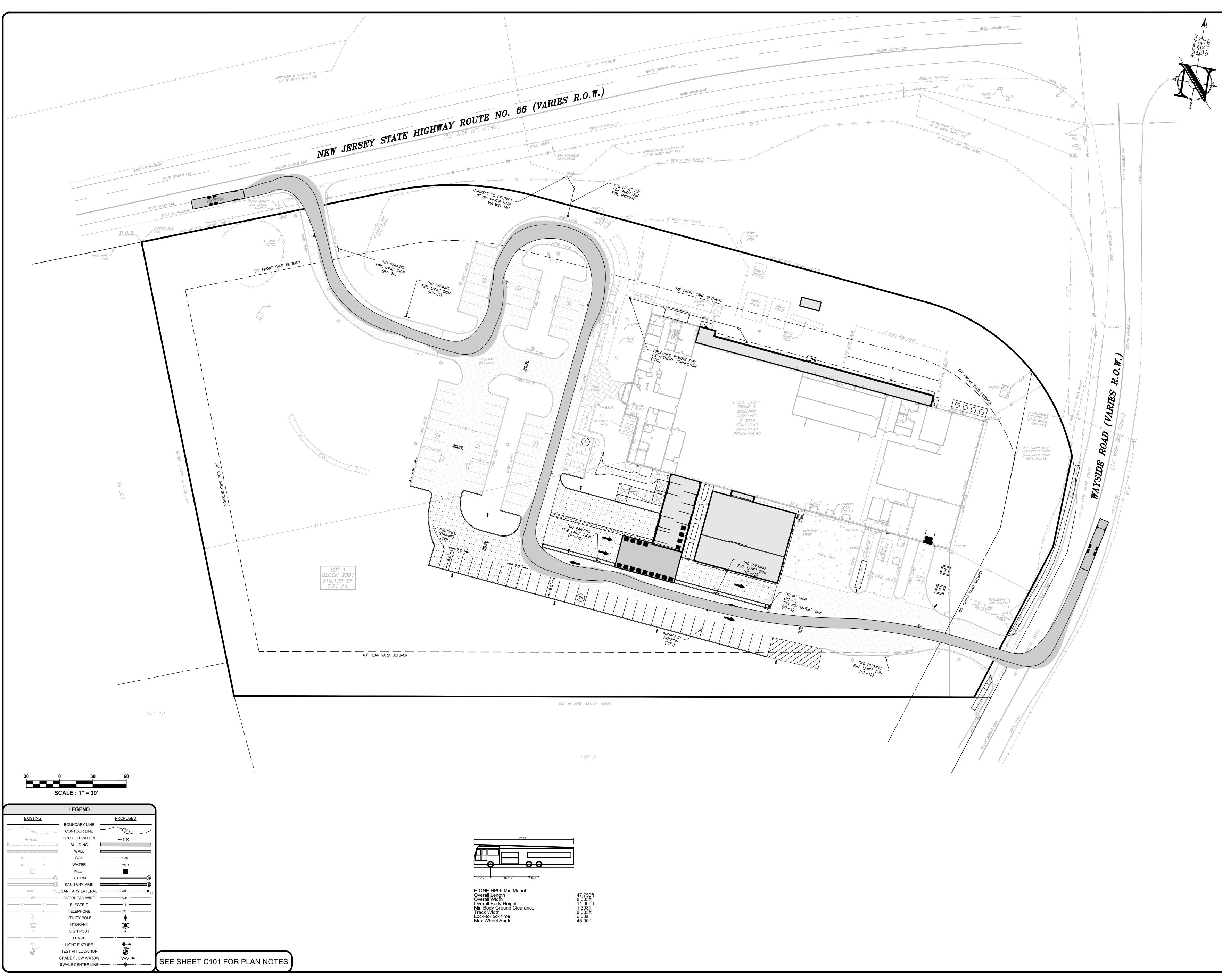


\square	ELECTRIC VEHICLE PARKI	NG SUMMARY (P.L. 1975, c. 291)		
	PARKING LOT OR GARAGE NC	DT COVERED IN C.40:55D-66.20.3.a.(1)		
SECTION	STANDARD	REQUIRED	PROPOSED	COMPLIES
3.b.(1)(b)	MINIMUM NUMBER OF MAKE-READY (MR) PARKING SPACES 76-100 OFF STREET PARKING SPACES	3 SPACES	3	YES

PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK MONMOUT & OCEAN PROJECT LOCATION: BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE , MONMOUTH COUNTY, NJ OWNER / APPLICANT: OOD BANK OF MONMOUTH & OCEAN COUN 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS SURVEYOR: INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 ARCHITECT: REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> JENNIFER S. KRIMKO, ESQ. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL.....800-272-1000 TEMP. SURVEY MARKING InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA AUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATUR AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINA AND MAY HAVE BEEN ALTERED CHRISTOPHER M. BEDNARSKI, P.E PROFESSIONAL ENGINEER NJPE LIC. NO. 24GE05256400 REVISIONS v.# Date Com 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS 10/20/23 PLANNING BOARD SUBMISSION 09/27/23 REV PER CLIENT COMMENTS 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE scale: **1"=30'** DESIGNED BY: STC DATE: **05/10/23** DRAWN BY: SGD ЈОВ #: 23-2111-01 СНЕСКЕД ВУ: СМВ cad ID: 23-2111-01r5 NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION RAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN HEET TITLE: SITE LAYOUT PLAN <u>SHEET NO:</u> C300

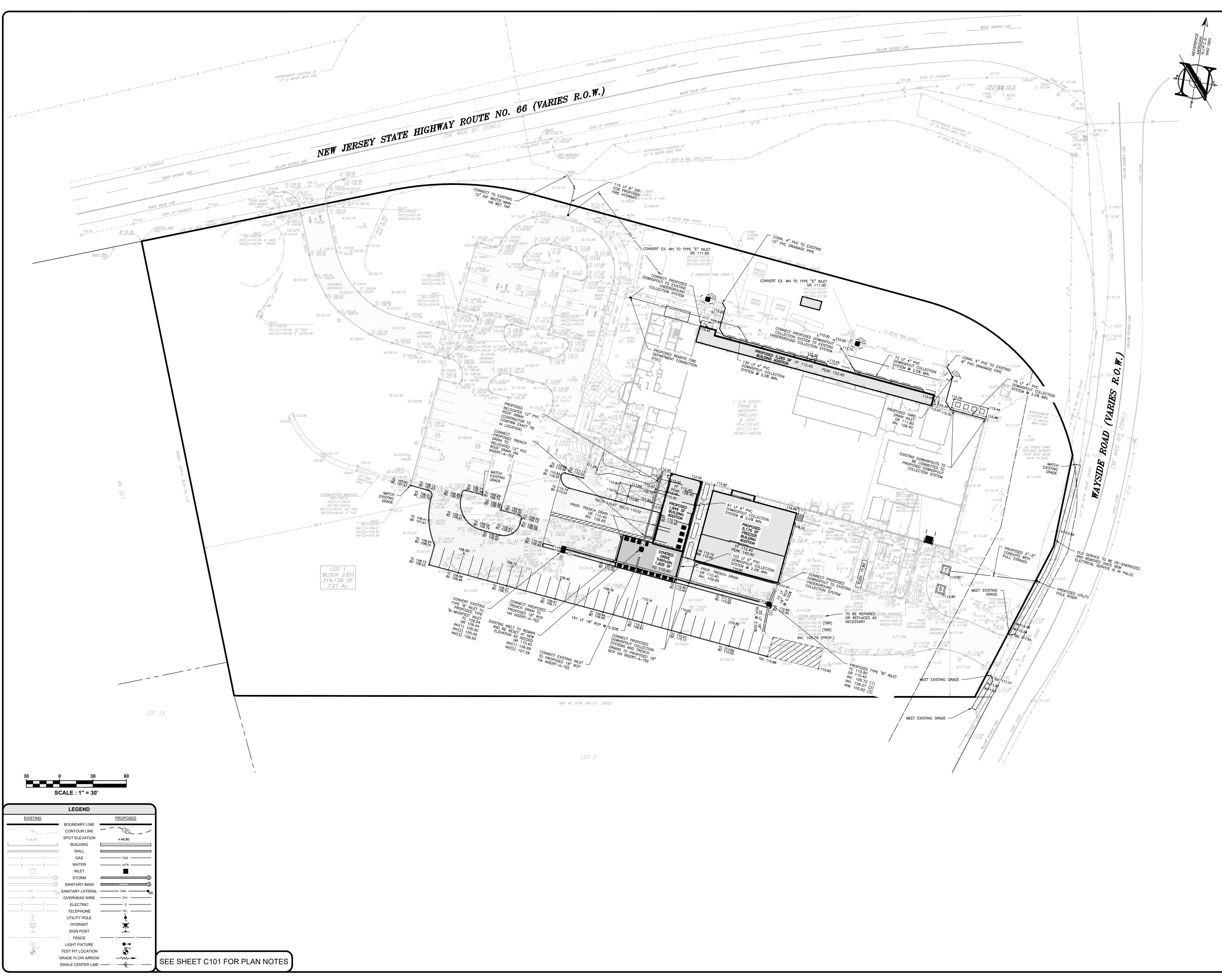


PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK MONMOUTH & OCEAN PROJECT LOCATION: BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE , MONMOUTH COUNTY, NJ OWNER / APPLICANT: FOOD BANK OF MONMOUTH & OCEAN COUNT 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS SURVEYOR: INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 ARCHITECT: REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> JENNIFER S. KRIMKO, ESQ. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL....800-272-1000 COMMUNICATION TEMP. SURVEY MARKING InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND MAY HAVE BEEN ALTERED CHRISTOPHER M. BEDNARSKI, P.E. PROFESSIONAL ENGINEER NJPE LIC. NO. 24GE05256400 REVISIONS ev.# Date Comm 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS 10/20/23 PLANNING BOARD SUBMISSION 09/27/23 REV PER CLIENT COMMENTS 1 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE SCALE: **1"=30'** DESIGNED BY: STC date: **05/10/23** DRAWN BY: SGD ЈОВ #: 23-2111-01 СНЕСКЕД ВУ: СМВ cad ID: 23-2111-01r5 NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION DRAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN SHEET TITLE: TURNING MOVEMENT PLAN: DELIVERY SHEET NO: C301



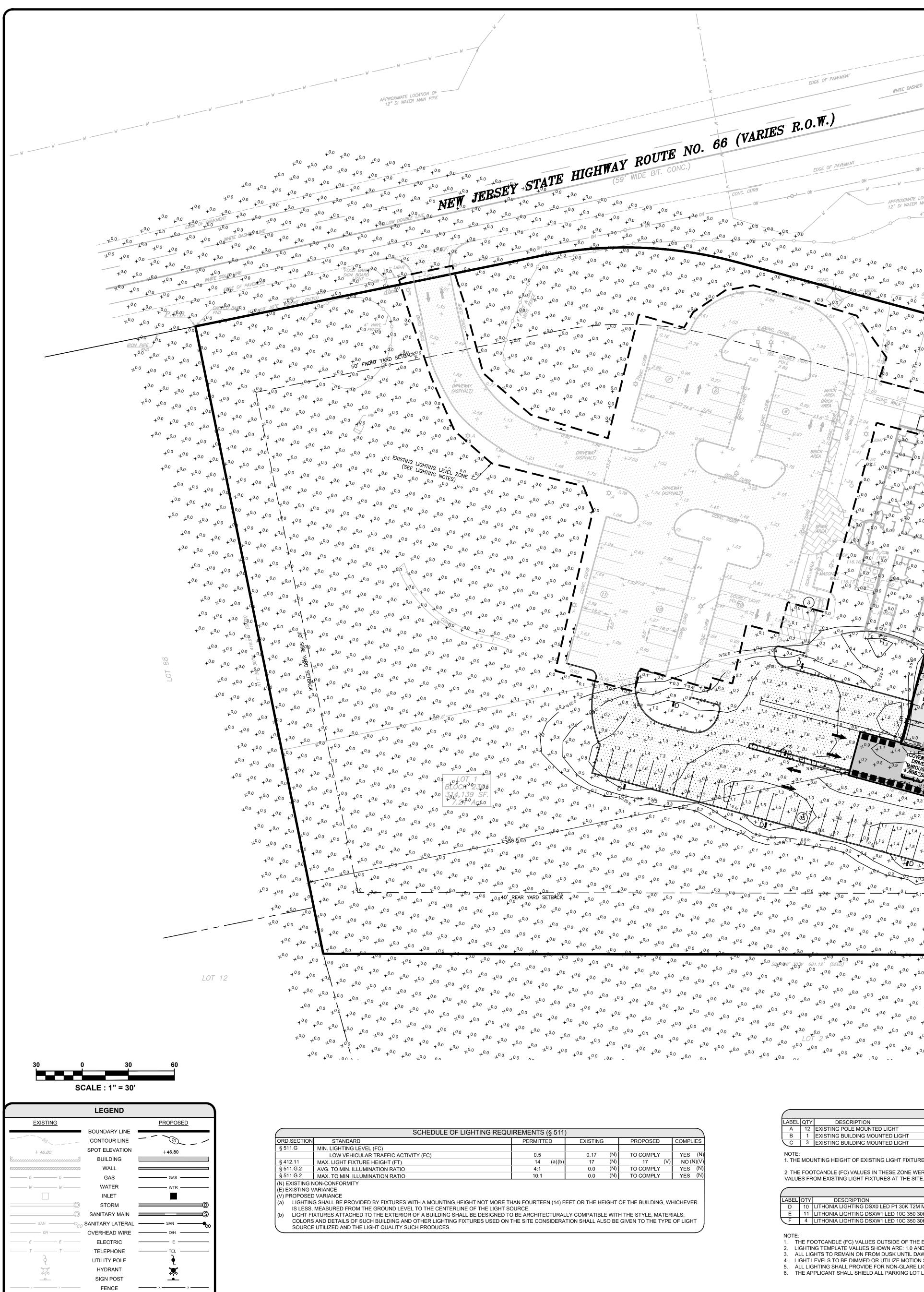
Route 66. Reserved. - 3300 Rights 11-01 -1-21 1-21 Fulfill\ Engine X:∖Jobs\211 right 2024, S IIe:

PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK MONMOUTH & OCEAN PROJECT LOCATION: BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE , MONMOUTH COUNTY, NJ OWNER / APPLICANT: FOOD BANK OF MONMOUTH & OCEAN COUNT 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS SURVEYOR: INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 ARCHITECT: REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> JENNIFER S. KRIMKO, ESQ. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL....800-272-1000 COMMUNICATION TEMP. SURVEY MARKING InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND MAY HAVE BEEN ALTERED M. Balan CHRISTOPHER M. BEDNARSKI, P.E. PROFESSIONAL ENGINEER NJPE LIC. NO. 24GE05256400 REVISIONS ev.# Date Comm 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS 10/20/23 PLANNING BOARD SUBMISSION 09/27/23 REV PER CLIENT COMMENTS 1 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE scale: **1"=30'** DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD JOB #: 23-2111-01 СНЕСКЕД ВУ: СМВ cad id: 23-2111-01r5 NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION DRAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN SHEET TITLE: TURNING MOVEMENT PLAN: FIRE TRUCK SHEET NO: C302



GDU

PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK MONMOUTH & OCEAN PROJECT LOCATION: BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE , MONMOUTH COUNTY, NJ OWNER / APPLICANT: FOOD BANK OF MONMOUTH & OCEAN COUNT 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS SURVEYOR: INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 ARCHITECT: REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> JENNIFER S. KRIMKO, ESQ. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL....800-272-1000 TEMP. SURVEY MARKING InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND MAY HAVE BEEN ALTERED CHRISTOPHER M. BEDNARSKI, P.E. PROFESSIONAL ENGINEER NJPE LIC. NO. 24GE05256400 REVISIONS v.# Date Comn 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS 10/20/23 PLANNING BOARD SUBMISSION 09/27/23 REV PER CLIENT COMMENTS 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE scale: **1"=30'** DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD ЈОВ #: 23-2111-01 СНЕСКЕД ВҮ: СМВ cad ID: 23-2111-01r5 \Join NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION DRAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN HEET TITLE: GRADING, DRAINAGE, & UTILITY PLAN <u>SHEET NO:</u> C400



LIGHT FIXTURE

TEST PIT LOCATION GRADE FLOW ARROW **—**

SEE SHEET C101 FOR PLAN NOTES

 $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ 15 + 0.0 + 0.0 + 0.0 + 0.0 + 0.0 + 0.0 + 0.0 + 0.0 + 0.0 + 0.0 + 0.0 $\begin{array}{c} 1 \\ + 0.0 \\ +$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $^{+0.0}$ $^{+0.0}$ $+ \frac{1}{00} + \frac{1}{0} + \frac{1}$ ⁷.74 (ASPHALT) $+^{1.5}$ $+^{1.6}$ $+^{1.5}$ $+^{1.3}$ \setminus $t^{1.2}$ $t^{1.4}$ $t^{1.4}$ $t^{1.4}$ $t^{1.2}$ $t^{1.2}$ $+^{1.3}$ $+^{1.4}$ $+^{1.6}$ $+^{1.6}$ $+^{1.6}$ $+^{1.3}$ 4⁰⁰ +⁰⁰ $\frac{1}{100} \frac{1}{100} \frac{1}$ $\frac{1}{4 \cdot 0 + 0 \cdot 0} + \frac{1}{2 \cdot 0 \cdot 0} + \frac{1}{2$

(§ 511))			
ED	EXISTING		PROPOSED	COMPLIES
(a)(b)	0.17 (N 17 (N 0.0 (N 0.0 (N	i) I)	TO COMPLY 17 (V) TO COMPLY TO COMPLY	YES (N) NO (N)(V) YES (N) YES (N)
CTURAL	LY COMPATIBLE W	ITI	OF THE BUILDING, W H THE STYLE, MATEF GIVEN TO THE TYPE	RIALS,

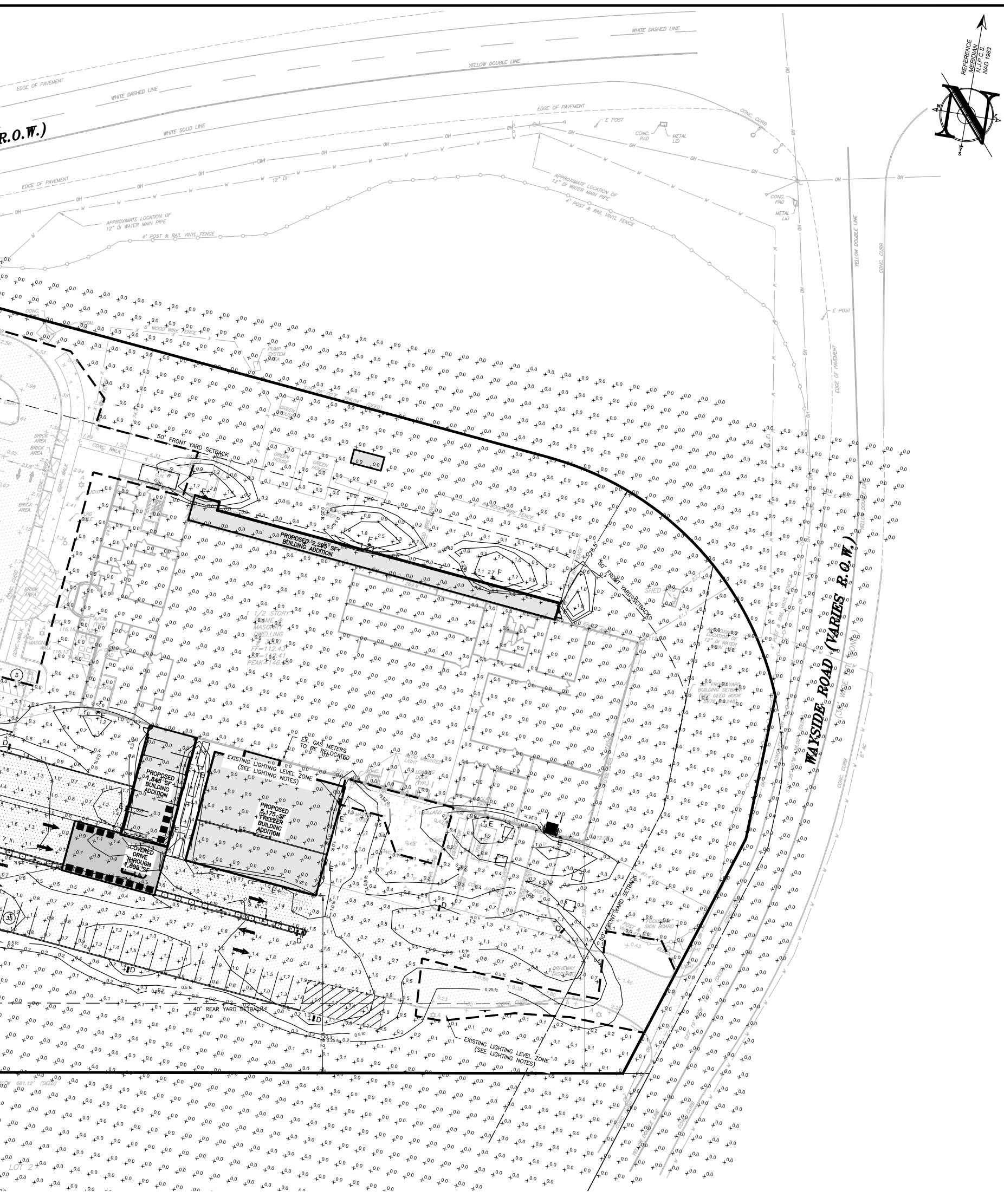
	EX	(ISTING LUMII	NAIRE SCHEI	DULE		
3EL QT	Y DESCRIPTION	WATTAGE	LAYOUT	MOUNT HEIGHT	TYPE	DIRECTION OF ILLUMINATION
A 12	EXISTING POLE MOUNTED LIGHT	N/S	SINGLE	17'	AREA	DOWN
B 1	EXISTING BUILDING MOUNTED LIGHT	N/S	SINGLE	8'	WALL	DOWN
C 3	EXISTING BUILDING MOUNTED LIGHT	N/S	SINGLE	18'	WALL	DOWN

2. THE FOOTCANDLE (FC) VALUES IN THESE ZONE WERE OBTAINED THROUGH THE USE OF A LIGHT METER DURING A SITE VISIT ON 08/31/23. THIS ZONE CONTAINS VALUES FROM EXISTING LIGHT FIXTURES AT THE SITE. THESE EXISTING LIGHTING FIXTURES WILL REMAIN.

(PROF	POSED LUN	IINAIRE SCHEI	DULE	
LABEL	QTY	DESCRIPTION	WATTAGE	LAYOUT	MOUNT HEIGHT	TYPE
D	10	LITHONIA LIGHTING DSX0 LED P1 30K T2M MVOLT HS G1	38.0 WATT	SINGLE	17'	AREA
E	11	LITHONIA LIGHTING DSXW1 LED 10C 350 30K T2M MVOLT	13.3 WATT	SINGLE	12'	WALL
L L	4	LITHONIA LIGHTING DSXW1 LED 10C 350 30K T2M MVOLT	13.3 WATT	SINGLE	8'	WALL

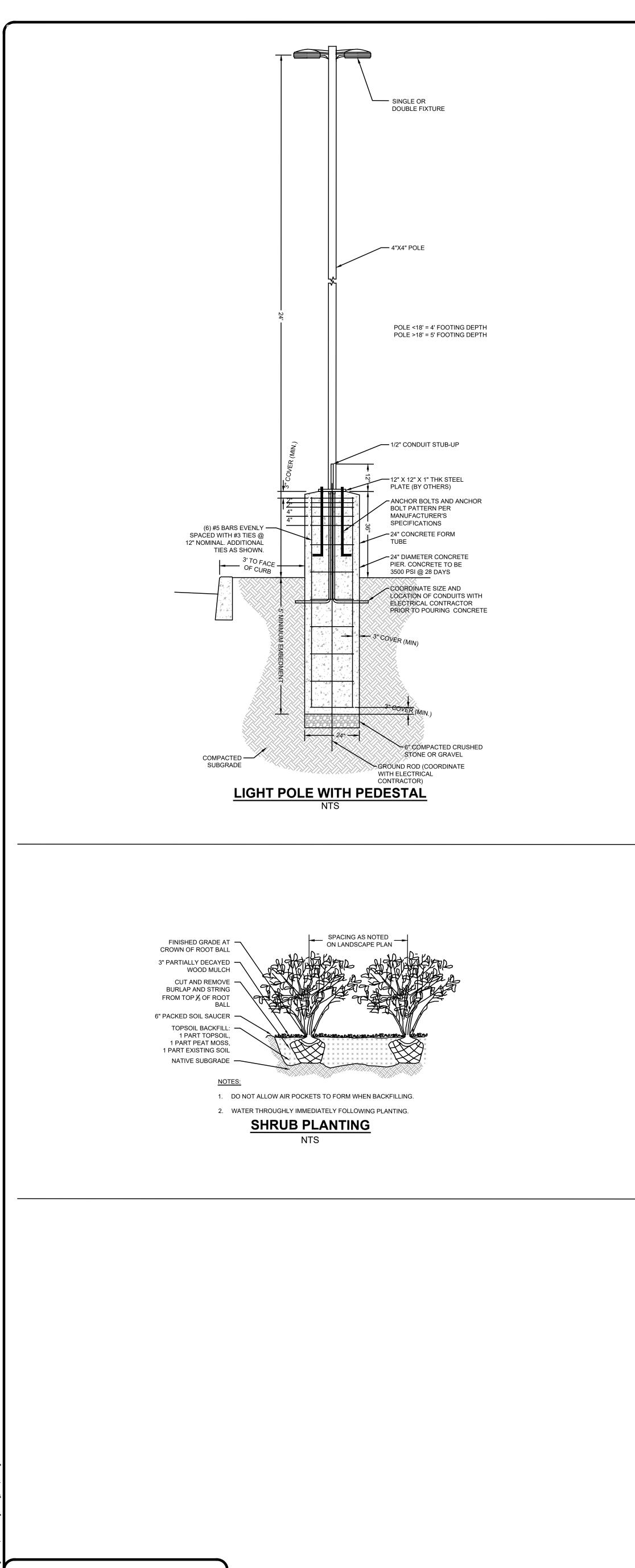
1. THE FOOTCANDLE (FC) VALUES OUTSIDE OF THE EXISTING LIGHTING ZONES WERE OBTAINED THROUGH THE USE OF THE VISUAL LIGHTING PROGRAM. 2. LIGHTING TEMPLATE VALUES SHOWN ARE: 1.0 AND 0.50 FOOTCANDLES. 3 ALL LIGHTS TO REMAIN ON FROM DUSK UNTIL DAWN 4. LIGHT LEVELS TO BE DIMMED OR UTILIZE MOTION SENSOR FIXTURES WHEN THE BUILDING IS NOT IN USE IN ORDER TO REDUCE LIGHT POLLUTION.

5. ALL LIGHTING SHALL PROVIDE FOR NON-GLARE LIGHTS FOCUSED DOWNWARD. 6. THE APPLICANT SHALL SHIELD ALL PARKING LOT LIGHTING SPILLAGE FROM ADJACENT PROPERTIES IN ACCORDANCE WITH ORDINANCE SECTION 511.A.2.

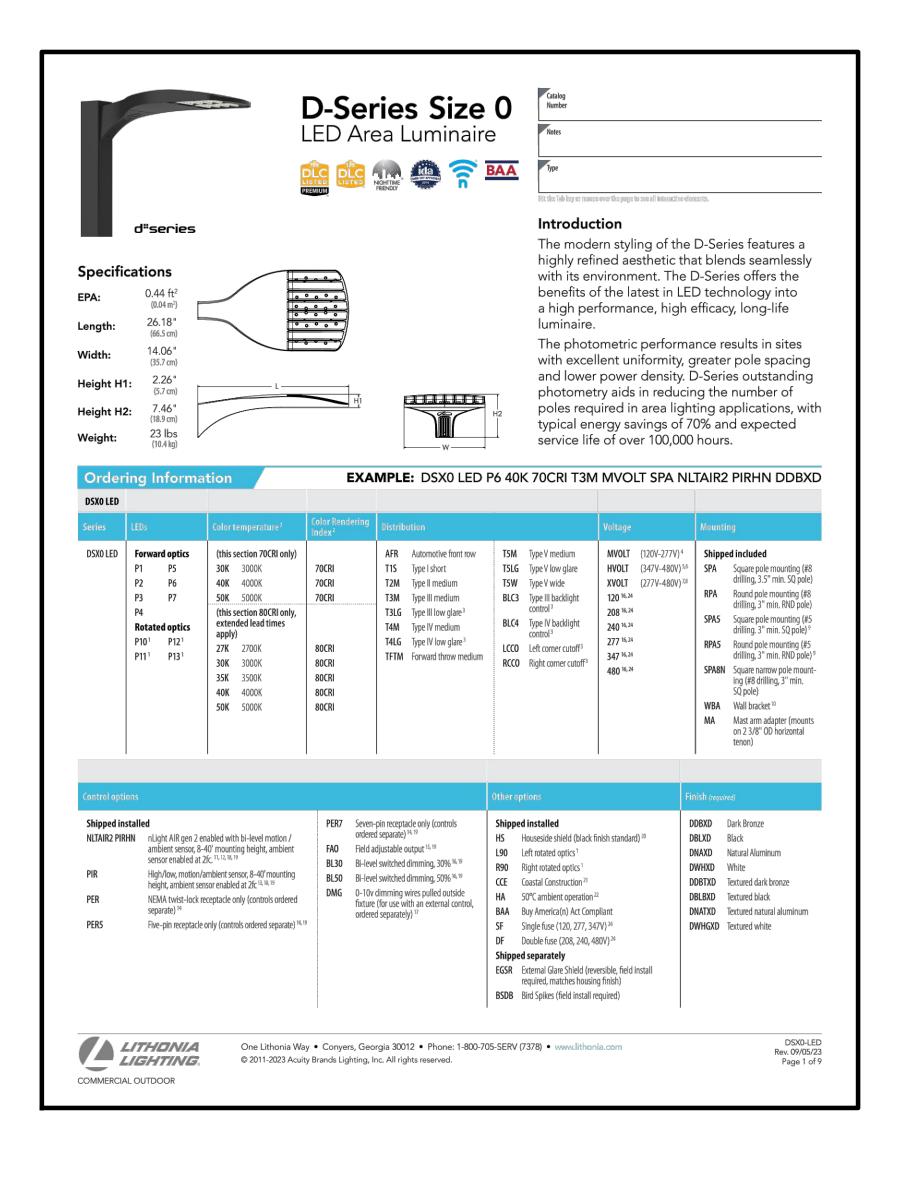


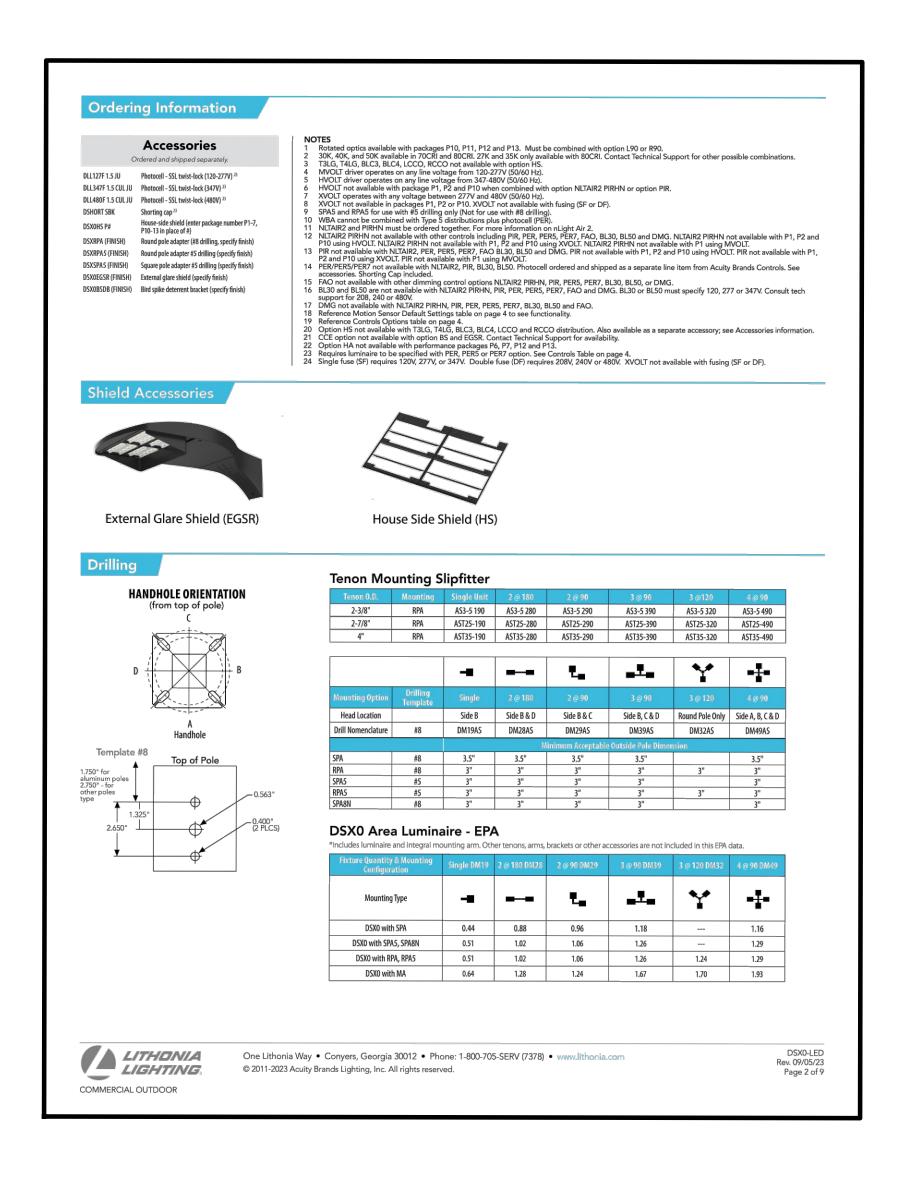
CTION OF ILLUMINAT

PROJECT INFORMATION OJECT NAM FULFILI FOOD BANK & OCEAN BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE MONMOUTH COUNTY. N. WNER / APPLICANT FOOD BANK OF MONMOUTH & OCEAN COUNT 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS SURVEYOR: INSITE SURVEYING, LL 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 <u>ARCHITECT:</u> REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> JENNIFER S. KRIMKO, ESQ. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL.....800-272-1000 COMMUNICATION / SEWER TEMP. SURVEY MARKING InSite Engineering, LLC ERTIFICATE OF AUTHORIZATION 24GA2808320 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA UTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATI D RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGI AND MAY HAVE BEEN ALTERE PROFESSIONAL ENGINEEF NJPE LIC. NO. 24GE05256400 REVISIONS ev.# Date Com REVISED PER ZB COMMENTS REVISED PER FSCD & CLIENT COMMENT PLANNING BOARD SUBMISSION 08/25/23 REV PER CLIENT COMMENTS 05/10/23 INITIAL RELEASE scale: **1"=30'** DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD JOB #: **23-2111-01** CHECKED BY: CMB CAD ID: 23-2111-01r5 NOT FOR CONSTRUCTION APPROVED B FOR CONSTRUCTION PLAN INFORMATION AWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN LANDSCAPE AND LIGHTING PLAN HEET NO C600

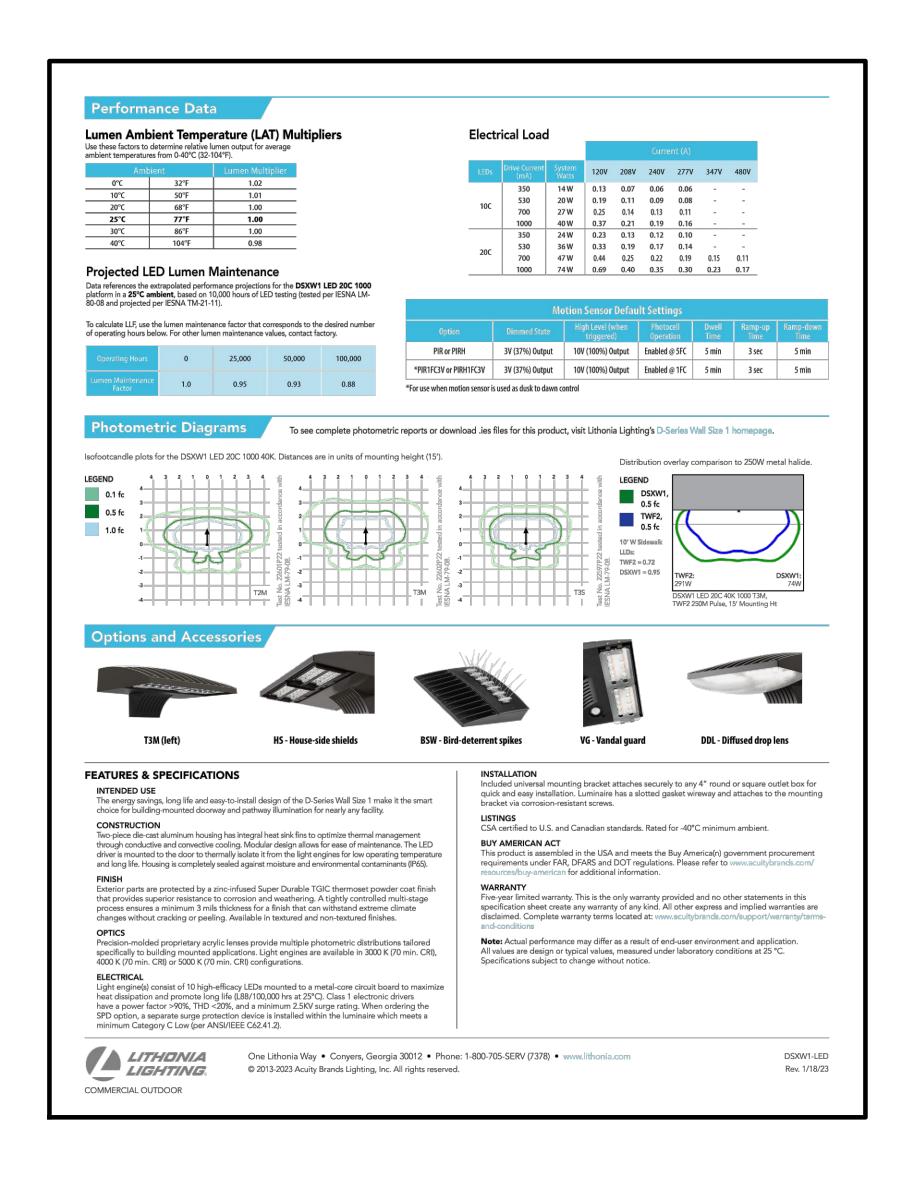


SEE SHEET C101 FOR PLAN NOTES

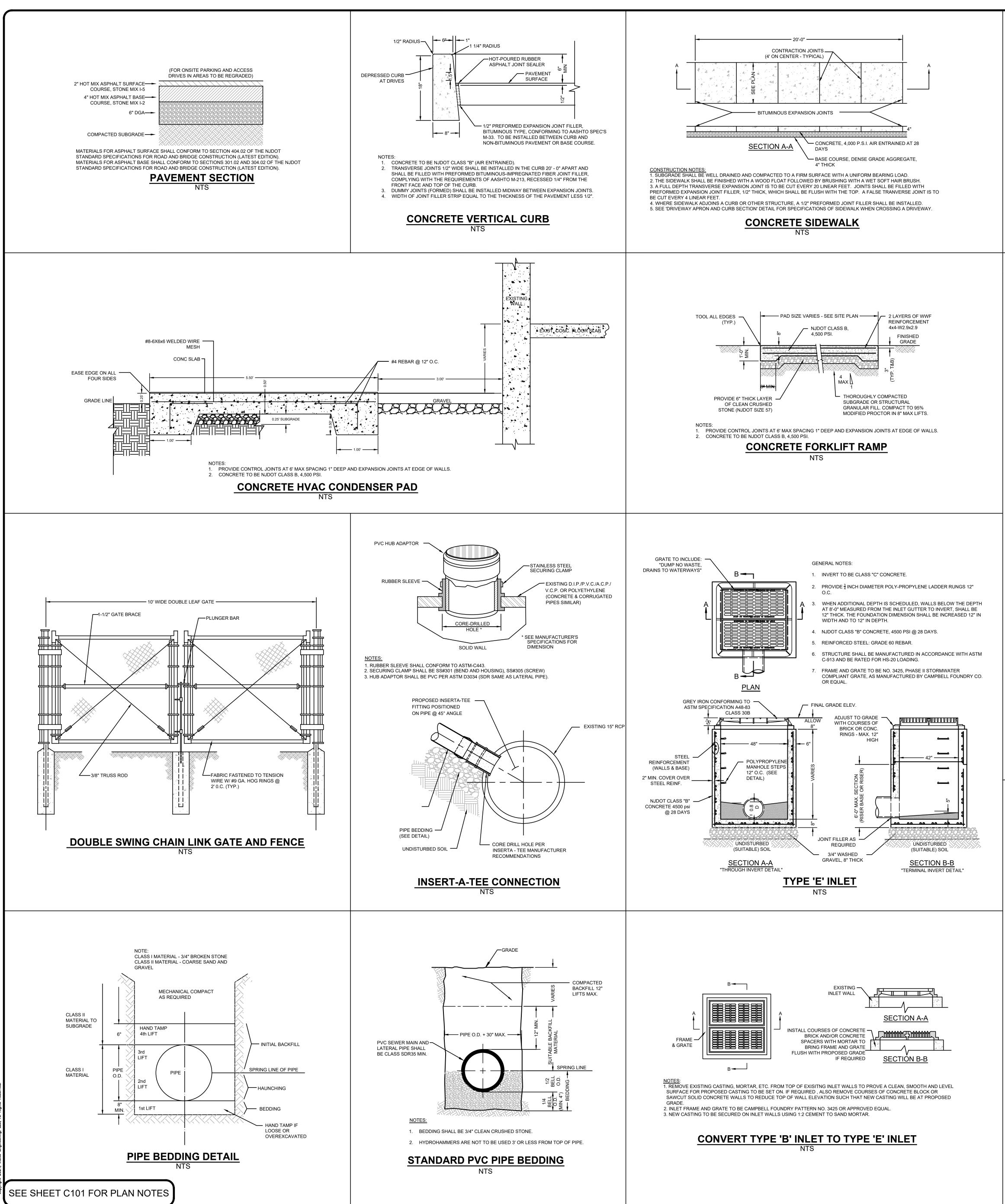


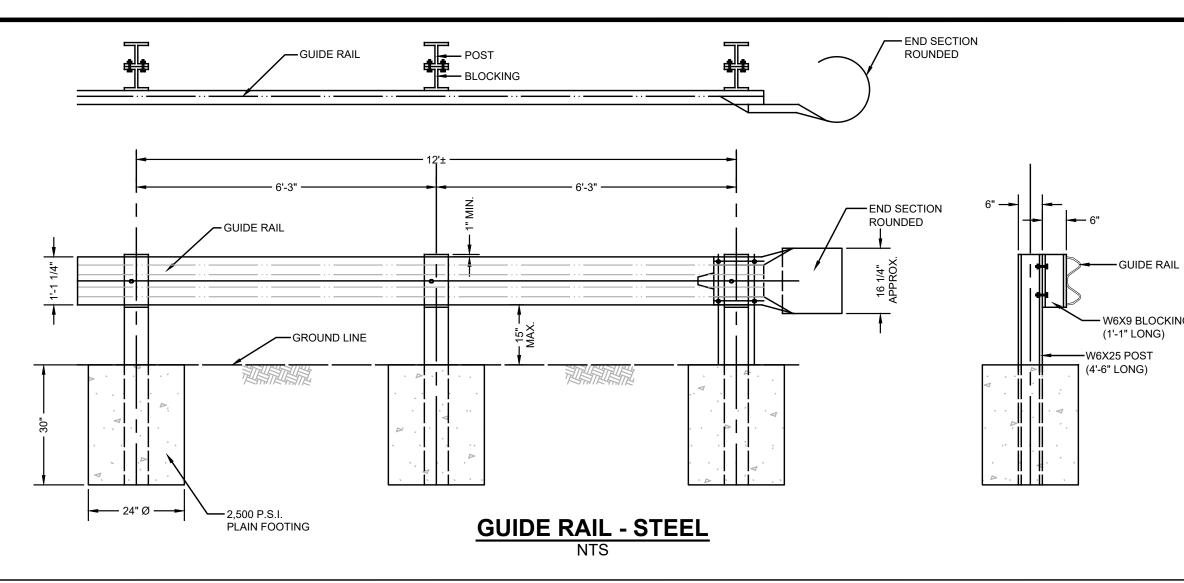


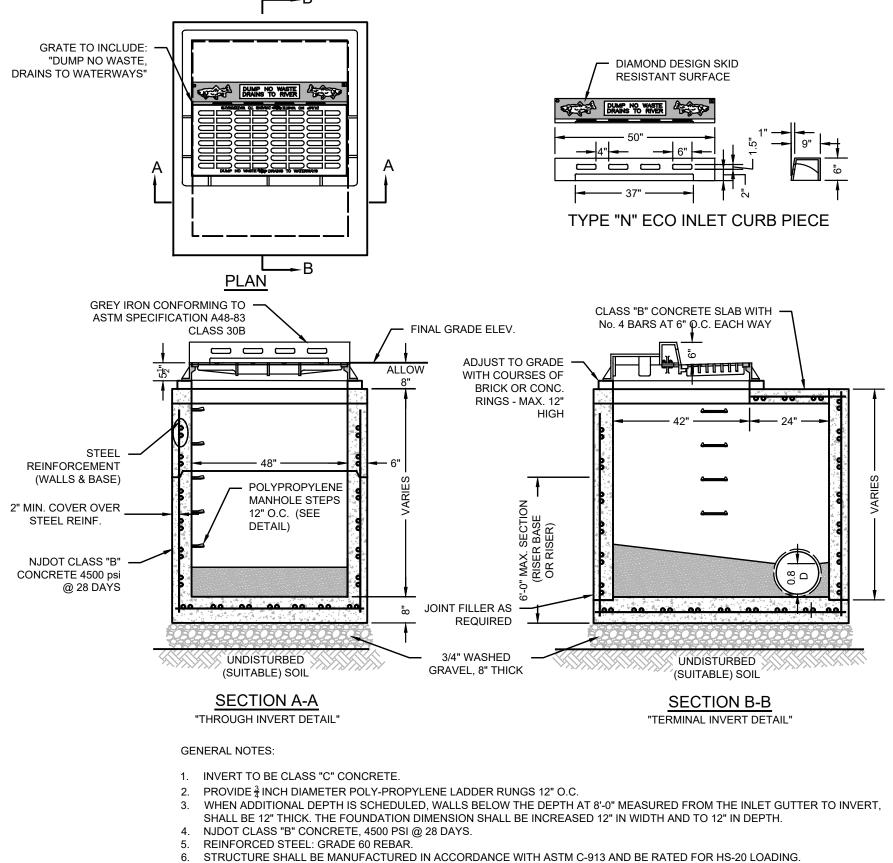
	D-Series Size LED Wall Luminai		Number Notes		
d"series	NIGHTIME FRENDLY		Туре		
			<i>v</i>		cage to see all interactive elements.
Specifications Luminaire Width: 13-3/4" (34.9 cm) Weight: 12 lbs (5.4 kg) Depth: 10" (25.4 cm) Height: 6-3/8" (16.2 cm)	Back Box (BBW, E20WC)Width:13-3/4" (34.9 cm)Depth:4" (10.2 cm)Height:6-3/8" (16.2 cm)	5 lbs (2.3 kg) 10 lbs (4.5 kg)	integrated LE applications. and is careful energy-efficie	Wall lum D solution It feature ly engine ent lightir	inaire is a stylish, fully on for building-mount as a sleek, modern design pered to provide long-lasting ag with a variety of optical or customized performance.
	For 3/4" NPT side-entry conduit (BBW only)		nighttime use over compara the D-Series V	e and up able 250V Wall is a r ion that p	vice life of over 20 years of to 74% in energy savings N metal halide luminaires, reliable, low-maintenance produces sites that are ted.
Ordering Information	E	XAMPLE:	DSXW1 LED 20	DC 1000	40K T3M MVOLT DDBTXD
DSXW1 LED					
Series LEDs Drive Current	Color temperature Distribution	Voltage		Control Opti	
DSXW1 LED 10C 10 LEDs (one engine) 350 350 mA 20C 20 LEDs (two engines) ¹ 700 700 mA 1000 1000 mA (1 A)	30K 3000 K T2S Type II Short 40K 4000 K T2M Type II Mediun 50K 5000 K T3S Type III Short 73M Type II Mediun 74M Type IV Mediu TFTM Forward Throw Medium	208 ³ m 240 ³ m 277 ³	Shipped included (blank) Surface mounting bracket BBW Surface-mounted back box (for conduit entry) ⁵	PIR Pirh Pir1FC3V Pirh1FC3V	stalled Photoelectric cell, button type ⁶ 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) 180° motion/ambient light sensor, <15' mtg ht ^{1,7} 180° motion/ambient light sensor, 15-30' mtg ht ^{1,7} Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{1,7} Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{1,7} Emergency battery backup (includes external component enclosure), CA Title 20 compliant ^{8,9}
SF Single fuse (120, 277 or 347V) ^{3,10} BSW B DF Double fuse (208, 240 or 480V) ^{3,10} VG VG	Eparately DDBXD Dark bronze rd-deterrent spikes DBLXD Black andal guard DNAXD Natural aluminum Jfused drop lens DWHXD White	DSSXD DDBTXD DBLBXD DNATXD	Sandstone Textured dark bronze Textured black Textured natural aluminum	DWHGXD DSSTXD	Textured white Textured sandstone
Ordered and shipped separately. 2 MVOL1 DSXWHS U House-side shield (one per light engine) 3 Single (DF) re DSXWBSW U Bird-deterrent spikes PIRH. DSXW1VG U Vandal guard accessory 5 Back b ord ere 6 Photoc availab Photoc	00 is not available with PIR, PIRH, PIR1FC3V or PI driver operates on any line voltage from 120-27 ivae (SF) requires 120, 277 or 347 voltage option. quires 208, 240 or 480 voltage option. vailable with 20C, 700mA or 1000mA. Not availat ox ships installed on fixture. Cannot be field insta d as an accessory. ontrol (PE) requires 120, 208, 240, 277 or 347 vol le with motion/ambient light sensors (PIR or PIRH or Motion Sensor table on page 3.	7V (50/60 Hz). . Double fuse ole with PIR or Illed. Cannot be tage option. No	conduit entry ap Not available wit Emergency comp IES files located 9 Not available wit 10 Not available wit 11 Also available as	plications. No h fusing. Not conents locat on product pa h SPD. h E20WC. a separate ad	her (-20C) rated. Not compatible with t available with BBW mounting option. available with 347 or 480 voltage options. ed in back box housing. Emergency mode age at <u>www.lithonia.com</u> ccessory; see Accessories information.
Children Cone Litt	nonia Way • Conyers, Georgia 30012 • Phone: 023 Acuity Brands Lighting, Inc. All rights reserved.	: 1-800-705-SER	V (7378) • www.lithonia.c	om	DSXW1-LEI Rev. 1/18/2



PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK & OCEAN BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE MONMOUTH COUNTY, NJ OWNER / APPLICANT: FOOD BANK OF MONMOUTH & OCEAN COUNT 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS <u>SURVEYOR:</u> INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 <u>ARCHITECT:</u> REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> Jennifer s. krimko, esq. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL....800-272-1000 COMMUNICATION TEMP. SURVEY MARKINGS InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATUR AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINA AND MAY HAVE BEEN ALTERED CHRISTOPHER M. BEDNARSKI, P.E PROFESSIONAL ENGINEER NJPE LIC. NO. 24GE05256400 REVISIONS ev.# Date Comment 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS 10/20/23 PLANNING BOARD SUBMISSION 09/27/23 REV PER CLIENT COMMENTS 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE SCALE: AS SHOWN DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD ЈОВ #: 23-2111-01 СНЕСКЕД ВУ: СМВ cad ID: 23-2111-01r5 \checkmark NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION DRAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN HEET TITLE: LANDSCAPE AND LIGHTING DETAILS <u>SHEET NO:</u> C601

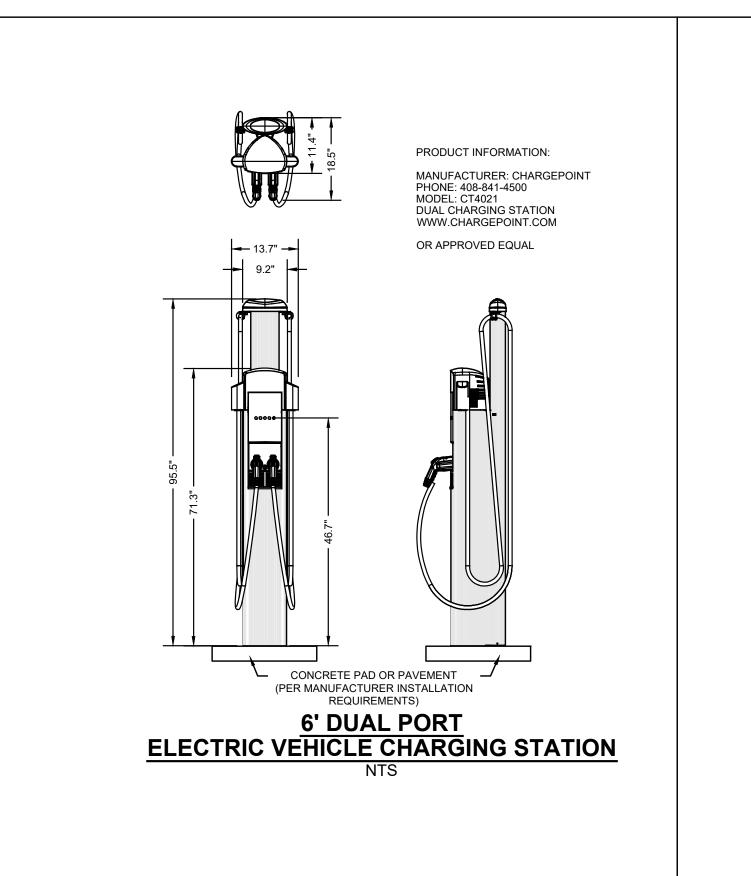


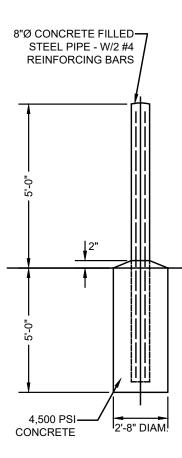




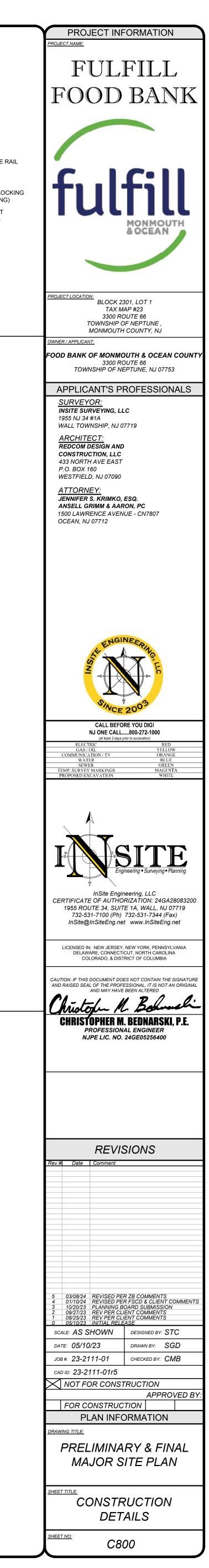
 STRUCTURE SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-913 AND BE RATED FOR HS-20 LOADING.
 FRAME AND GRATE, PHASE II STORMWATER COMPLIANT GRATE, TO BE NO. 2618 AS MANUFACTURED BY CAMPBELL FOUNDRY CO. OR EQUAL. CURB PIECE SHALL BE TYPE "N".
 CURB PIECE SHALL BE TYPE 'N' - ECO CURB PIECE WITH "DRAINS TO WATERWAYS" CAST ON TOP AS MANUFACTURED BY CAMPBELL FOUNDRY CO. OR EQUAL.

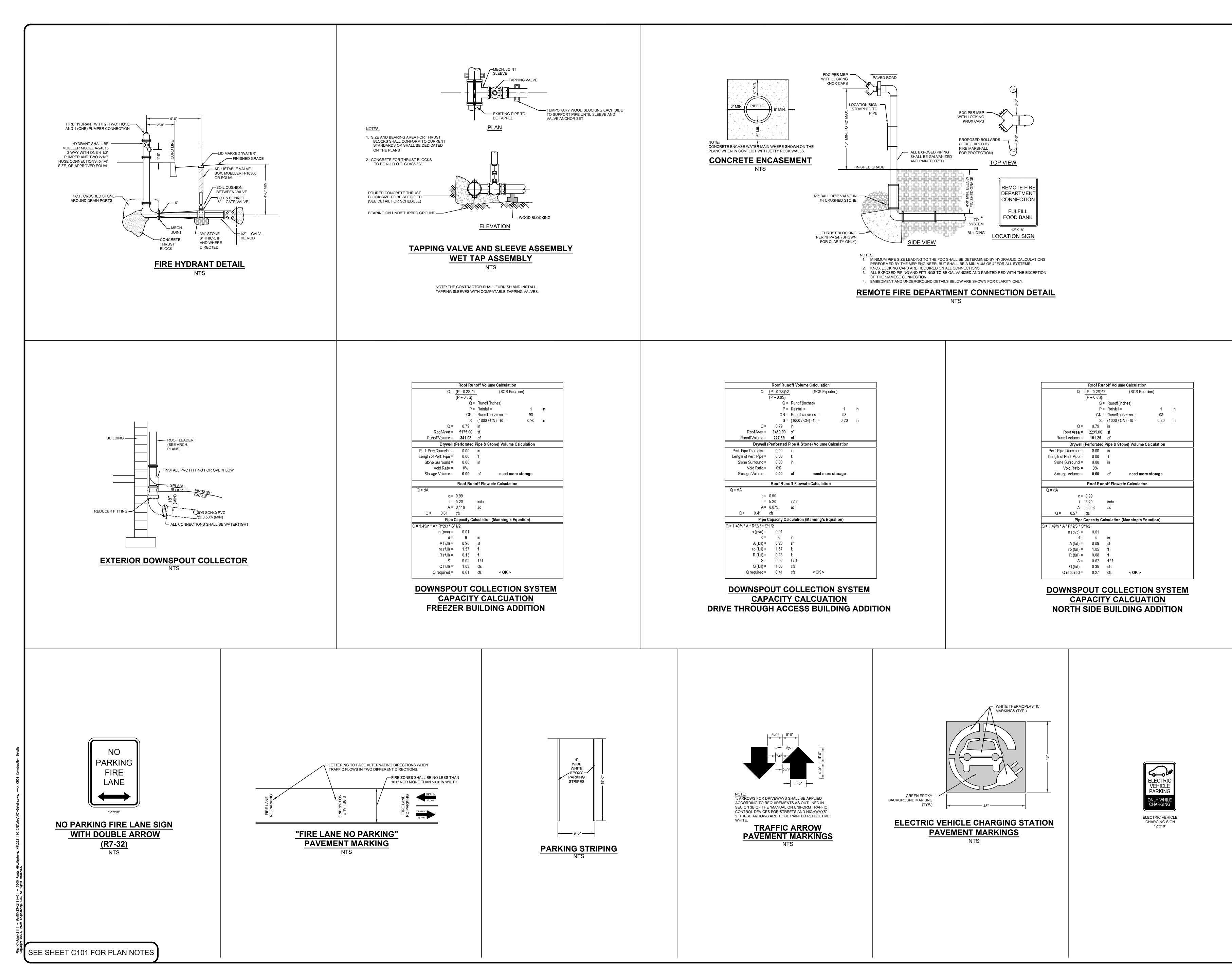
TYPE "B-MODIFIED" INLET



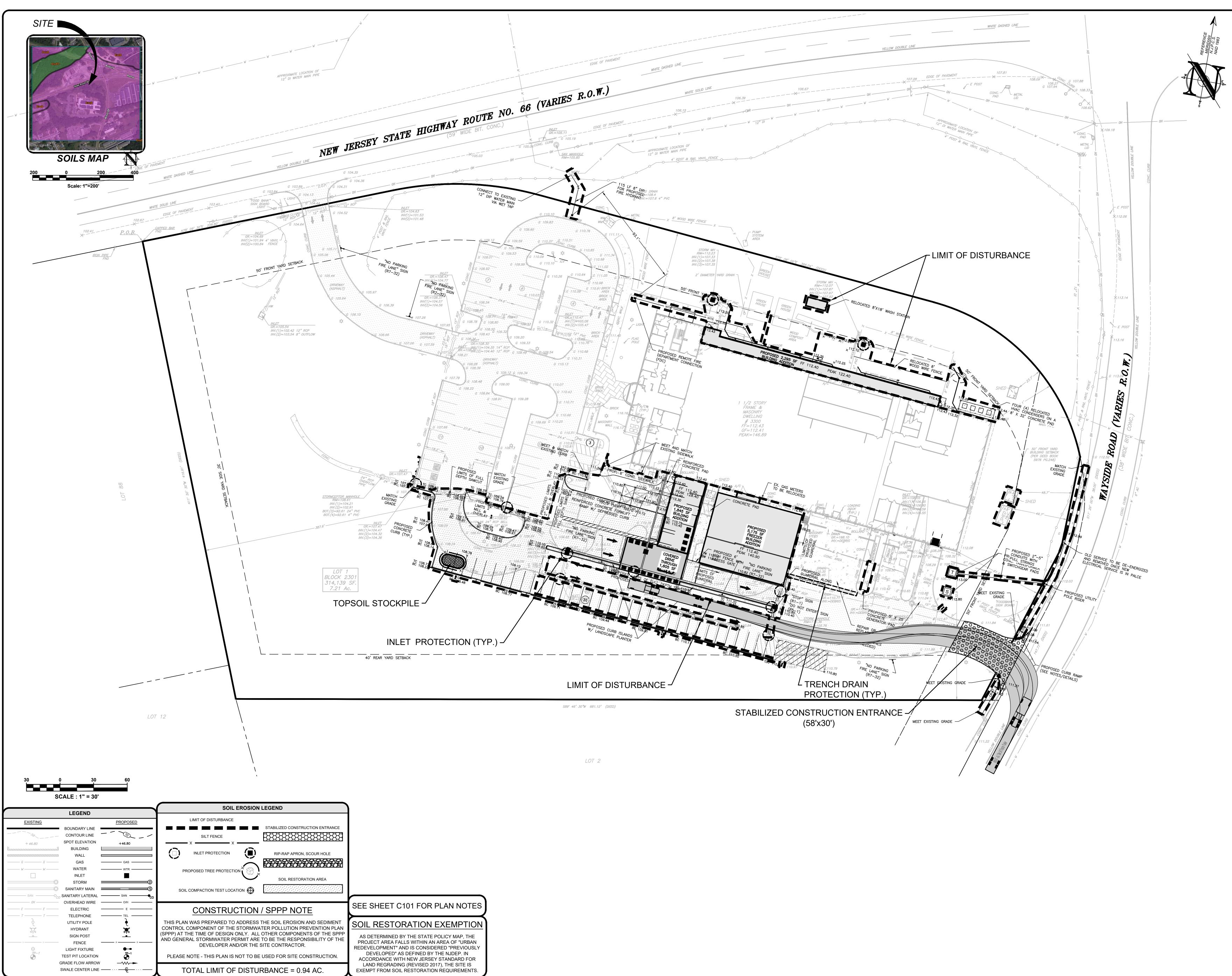


8" BOLLARD DETAIL





PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK & OCEAN PROJECT LOCATION: BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE , MONMOUTH COUNTY, NJ OWNER / APPLICANT: FOOD BANK OF MONMOUTH & OCEAN COUNT 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS <u>SURVEYOR:</u> INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 <u>ARCHITECT:</u> REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> Jennifer s. krimko, esq. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL....800-272-1000 TEMP. SURVEY MARKING InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA AUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATU AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINA AND MAY HAVE BEEN ALTERED CHRISTOPHER M. BEDNARSKI, P.E PROFESSIONAL ENGINEER NJPE LIC. NO. 24GE05256400 REVISIONS ev.# Date Commen 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS 10/20/23 PLANNING BOARD SUBMISSION 09/27/23 REV PER CLIENT COMMENTS 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE SCALE: AS SHOWN DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD ЈОВ #: 23-2111-01 СНЕСКЕД ВУ: СМВ cad ID: 23-2111-01r5 NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION RAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN CONSTRUCTION DETAILS SHEET NO: C801



PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK MONMOUTH & OCEAN PROJECT LOCATION: BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE , MONMOUTH COUNTY, NJ OWNER / APPLICANT: OOD BANK OF MONMOUTH & OCEAN COUNT 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS <u>SURVEYOR:</u> INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 ARCHITECT: REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> Jennifer S. krimko, esq. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL.....800-272-1000 COMMUNICATIO TEMP. SURVEY MARKING InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND MAY HAVE BEEN ALTERED REVISIONS ∕.# Date 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS 10/20/23 PLANNING BOARD SUBMISSION 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE scale: **1"=30'** DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD JOB #: **23-2111-01** CHECKED BY: CMB cad ID: 23-2111-01r5 \times NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION RAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN HEET TITLE: SOIL EROSION & SEDIMENT CONTROL PLAN <u>SHEET NO:</u> C900

SOIL EROSION AND SEDIMENT CONTROL NOTES RVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS. N.J.S.A 4:24-39 ET. SEQ. REQUIRES THAT NO CERTIFICATES OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN FULL COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND A REPORT OF COMPLIANCE HAS BEEN ISSUED. UPON WRITTEN REQUEST FROM THE APPLICANT, THE DISTRICT MAY ISSUE A REPORT OF COMPLIANCE WITH CONDITIONS ON A LOT-BY-LOT OR SECTION-BY-SECTION BASIS PROVIDED THAT THE PROJECT OR PORTION THEREOF IS IN SATISFACTORY COMPLIANCE WITH THE SEQUENCE OF DEVELOPMENT AND TEMPORARY MEASURES FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN IMPLEMENTED, INCLUDING PROVISIONS FOR STABILIZATION AND SITE WORK. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SIXTY (60) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2 TO 2 ½ TONS PER ACRE, ACCORDING TO STATE STANDARD FOR STABILIZATION WITH MULCH ONLY. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STOCKPILES. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE FOUNDALENT AND A MULCH ANCHOR IN ACCORDANCE WITH STATE STANDARDS. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS, AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF THE PRELIMINARY GRADING. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE, AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOTS REQUIRE A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF ONE INCH TO TWO INCH (1" - 2") STONE FOR A MINIMUM LENGTH OF TEN FEET (10') EQUAL TO THE LOT ENTRANCE WIDTH. ALL OTHER ACCESS POINTS SHALL BE BLOCKED OFF. 9. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS WILL BE REMOVED IMMEDIATELY 10. PERMANENT VEGETATION IS TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. 11. AT THE TIME THAT SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.

- 12. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS/ACRE, (OR 450 LBS/1,000 SQ FT OF SURFACE AREA) AND COVERED WITH A MINIMUM OF 12" OF SETTLED SOIL WITH A PH OF 5 OR MORE, OR 24" WHERE TREES OR SHRUBS ARE TO BE PLANTED. 13. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING 14. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED MUST BE IN ACCORDANCE WITH THE STANDARD FOR DEWATERING.
- 15. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL. 16. STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. CERTIFICATION OF A NEW SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SQUARE FEET IS DISTURBED. 17 ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL FROSION AND SEDIMENT CONTROL NOTE #6

18 THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

- 1. SITE PREPARATION A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING, PG, 19-1
- B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, INEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42. C. IMMEDIATELY PRIOR TO SEEDING. THE SURFACE SHOULD BE SCARIFIED 6" TO 12" WHERE THERE HAS BEEN SOIL
- COMPACTION. THIS PRACTICE IS PERMISSIBLE ONLY WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.). 2. SEEDBED PREPARATION

A. APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES, FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1.000 SQUARE FEET OF 0-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE. LIMING RATES SHALL BE ESTABLISHED VIA SOIL TESTING. CALCIUM CARBONATE IS THE EQUIVALENT AND STANDARD FOR MEASURING THE ABILITY OF LIMING MATERIALS TO NEUTRALIZE SOIL ACIDITY AND SUPPLY CALCIUM AND MAGNESIUM TO GRASSES AND IFGUMES

- B. WORK LIME AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED.
- C. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED IN ACCORDANCE WITH THE ABOVE.
- D. SOILS HIGH IN SULFIDES OR HAVING A PH OF 4 OR LESS REFER TO STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, PG. 1-1. 3. <u>SEEDING</u>
- CETATIVE SEEDING COVER SHALL CONSIST OF PERENNIAL RYEGRASS APPLIED UNFORMLY AT A RATE OF 1 POUND PER 1,000 SF (100 LBS/AC) WITH AN OPTIMUM SEED DEPTH OF 0.5" (TWICE THE DEPTH IF SANDY SOILS), IN ACCORDANCE WITH TABLE 7-2, PAGE 7-3. *SEEDING DATES: 2/15-5/1 AND 8/15-10/15
- B. CONVENTIONAL SEEDING. APPLY SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED. HYDROSEEDED OR CULTIPACKED SEEDINGS. SEED SHALL BE INCORPORATED INTO THE SOIL, TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE TEXTURED SOIL C. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK OR TRAILER MOUNTED TANK, WITH AN
- AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED. WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORT FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION IV MULCHING) HYDROSEEDING IS NOT A PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. POOR SEED TO SOIL CONTACT OCCURS REDUCING SEED GERMINATION AND GROWTH. HYDROSEEDING MAY BE USED FOR AREAS TOO STEEP FOR CONVENTIONAL EQUIPMENT TO TRAVERSE OR TOO OBSTRUCTED WITH ROCKS, STUMPS, ETC
- D. AFTER SEEDING, FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT, RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED. 4. MULCHING MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL
- PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT A STRAW OR HAY LINNROTTED SMALL GRAIN STRAW HAY FREE OF SEEDS APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE (70 TO 90 POUNDS PER 1.000 SQUARE FEET). EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER. TACKIFYING OR ADHESIVE AGENT). THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE PRESENCE OF
- APPLICATION SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 95% OF THE SOIL SUBFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH. DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION. ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE
- DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS. 1. PEG AND TWINE. DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRIS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS
- 2. MULCH NETTINGS. STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED. 3. CRIMPER (MULCH ANCHORING TOOL). A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW, ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING
- OR ADHESIVE AGENT IS REQUIRED. 4. LIQUID MULCH-BINDERS. - MAY BE USED TO ANCHOR HAY OR STRAW MULCH.

STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE.

- a. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. THE REMAINDER OF THE AREA SHOULD BE UNIFORM IN APPEARANCE. b. USE ONE OF THE FOLLOWING
- (1) ORGANIC AND VEGETABLE BASED BINDERS NATURALLY OCCURRING, POWDER BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANED NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOTOXIC EFFECT OR IMPEDE GROWTH OF TURFGRASS. USE AT RATES AND WEATHER CONDITIONS AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH MATERIALS. MANY NEW PRODUCTS ARE AVAILABLE, SOME OF WHICH MAY NEED FURTHER EVALUATION FOR USE IN THIS STATE
- (2) SYNTHETIC BINDERS HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED AND FOLLOWING APPLICATION TO MULCH, DRYING AND CURING SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. IT SHALL BE APPLIED AT RATES RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF GRASS NOTE: ALL NAMES GIVE ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A COMMENDATION
- OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS. B WOOD-FIBER OR PAPER-FIBER MULCH SHALL BE MADE FROM WOOD PLANT FIBERS OR PAPER CONTAINING NO GROWTH OR GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 PONDS PER ACRE (OR AS RECOMMENDED BY THE PROJECT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. THIS MULCH SHALL NOT BE MIXED IN THE TANK WITH SEED. USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL

C. PELLETIZED MULCH. COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS AND COLORING AGENTS. THE DRY PELLETS, WHEN APPLIED TO A SEEDED AREA AND WATERED, FORMA MULCH MAT, PELLETIZED MULCH SHALL BE APPLIES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS, MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS /1 000 SOLIARE FEET AND ACTIVATED WITH 0.2 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEE FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS, SEEDED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED OR ON SITES WHERE

APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER SPREADING PELLETIZED MULCH ON THE SEED BED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE.

PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION 1. SITE PREPARATION A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL E

- SEEDING, MULCH APPLICATION, AND MULCH ANCHORING, ALL GRADING SHO FOR LAND GRADING
- B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING
- UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING. D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES
- CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. 2. SEEDBED PREPARATION
- A UNIFORMLY APPLY GROUND LIMESTONE AND FERTILIZER TO TOPSOIL WHICH HAS BEEN SPREAD AND FIRMED. ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION SOIL SAMPLE MAILERS ARE AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES (HTTP://NJAES.RUTGERS.EDU/COUNTY/). FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE AND INCORPORATED INTO THE SURFACE 4 INCHES. IF FERTILIZER IS NOT INCORPORATED, APPLY ONE-HALF THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER WITHIN 3 TO 5 WEEKS AFTER SEEDING.
- B. WORK LIME AND FERTILIZER INTO THE TOPSOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, PRING-TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM SEEDBED IS PREPARED. C. HIGH ACID PRODUCING SOIL. SOILS HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A
- MINIMUM OF 12 INCHES OF SOIL HAVING A PH OF 5 OR MORE BEFORE INITIATING SEEDBED PREPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS
- WITH A GERMINATION TEST DATE MORE THAN 12 MONTHS OLD UNLESS RETESTED. SEED MIXTUR HARD FESCUE AND/OR STRONG CREEPING RED FESCUE PERENNIAL RYEGRAS KENTUCKY BLUEGRASS
- *ACCEPTABLE SEEDING DATES: 2/1-4/30 AND 5/1-8/14** *OPTIMAL SEEDING DATES: 8/15-10/30 *SUMMER SEEDING SHALL ONLY BE CONDUCTED WHEN SITE IS IRRIGATED
- . SEEDING RATES SPECIFIED ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO A REPORT OF COMPLIANCE INSPECTION. THESE RATES APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVERAGE WITH THE SPECIFIED SEED MIXTURE FOR THE SEEDED AREA AND MOWED ONCE.
- 2. WARM-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT HIGH TEMPERATURES. GENERALLY 850 F AND ABOVE. SEE TABLE 4-3 MIXTURES 1 TO 7. PLANTING RATES FOR WARM-SEASON GRASSES SHALL BE THE AMOUNT OF PURE LIVE SEED (PLS) AS DETERMINED BY GERMINATION TESTING RESULTS.
- 3. COOL-SEASON MIXTURES ARE GRASSES AND LEGUMES WHICH MAXIMIZE GROWTH AT TEMPERATURES BELOW 850F. MANY GRASSES BECOME ACTIVE AT 65OF. SEE TABLE 4-3, MIXTURES 8-20. ADJUSTMENT OF PLANTING RATES TO COMPENSATE FOR THE AMOUNT OF PLS IS NOT REQUIRED FOR COOL SEASON GRASSES.
- B. CONVENTIONAL SEEDING IS PERFORMED BY APPLYING SEED UNIFORMLY BY HAND, CYCLONE (CENTRIFUGAL) SEEDER, DROP SEEDER, DRILL OR CULTIPACKER SEEDER. EXCEPT FOR DRILLED, HYDROSEEDED OR CULTIPACKED SEEDINGS, SEED SHALL BE INCORPORATED INTO THE SOIL WITHIN 24 HOURS OF SEEDBED PREPARATION TO A DEPTH OF 1/4 TO 1/2 INCH, BY RAKING OR DRAGGING. DEPTH OF SEED PLACEMENT MAY BE 1/4 INCH DEEPER ON COARSE-TEXTURED SOIL.
- C. AFTER SEEDING. FIRMING THE SOIL WITH A CORRUGATED ROLLER WILL ASSURE GOOD SEED-TO-SOIL CONTACT. RESTORE CAPILLARITY, AND IMPROVE SEEDLING EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL BE MAXIMIZED. D. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SEED. WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDBED. <u>MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED</u>. SHORT-FIBERED MULCH MAY BE APPLIED WITH A HYDROSEEDER FOLLOWING SEEDING. (ALSO SEE SECTION 4-MULCHING BELOW). HYDROSEEDING IS NOT A
- PREFERRED SEEDING METHOD BECAUSE SEED AND FERTILIZER ARE APPLIED TO THE SURFACE AND NOT INCORPORATED INTO THE SOIL. WHEN POOR SEED TO SOIL CONTACT OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH.
- MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT AGAINST EROSION BEFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND EARLIER ESTABLISHMENT. THE EXISTENCE OF VEGETATION SUFFICIENT TO CONTROL SOIL EROSION SHALL BE DEEMED COMPLIANCE WITH THIS MULCHING REQUIREMENT.
- ACRE (70 TO 90 POUNDS PER 1,000 SQUARE FEET), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIFYING OR ADHESIVE AGENT), THE RATE OF APPLICATION IS 3 TONS PER ACRE. MULCH OPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR AWNS DUE TO THE PRESENCE OF WEED SEED APPLICATION - SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT AT LEAST 85% OF THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION. ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY
- BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COSTS 1. PEG AND TWINE. DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISS-CROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS
- 2. MULCH NETTINGS STAPLE PAPER, JUTE, COTTON, OR PLASTIC NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED
- 3 CRIMPER (MULICH ANCHORING COULTER TOOL) A TRACTOR-DRAWN IMPLEMENT, SOMEWHAT LIKE A DISC HARROW ESPECIALLY DESIGNED TO PUSH OR CUT SOME OF THE BROADCAST LONG FIBER MULCH 3 TO 4 INCHES INTO THE SOIL SO AS TO ANCHOR IT AND LEAVE PART STANDING UPRIGHT. THIS TECHNIQUE IS LIMITED TO AREAS TRAVERSABLE BY A TRACTOR, WHICH MUST OPERATE ON THE CONTOUR OF SLOPES. STRAW MULCH RATE MUST BE 3 TONS PER ACRE. NO TACKIFYING OR ADHESIVE AGENT IS REQUIRED. 4. LIQUID MULCH-BINDERS - MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCH.
- a. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND MAY CATCH THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. THE REMAINDER OF THE AREA SHOULD BE UNIFORM IN APPEARANCE b USE ONE OF THE FOLLOWING.
- (1) ORGANIC AND VEGETABLE BASED BINDERS NATURALLY OCCURRING, POWDER-BASED, HYDROPHILIC MATERIALS WHEN MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANED NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOTOXIC EFFECT OR IMPEDE GROWTH OF TURE GRASS, USE AT RATES AND WEATHER CONDITIONS AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH MATERIALS. MANY NEW PRODUCTS ARE AVAILABLE, SOME OF WHICH MAY NEED FURTHER EVALUATION FOR USE IN THIS STATE.
- FOLLOWING APPLICATION OF MULCH, DRYING AND CURING, SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. BINDER SHALL BE APPLIED AT RATES RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF GRASS NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A RECOMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS.
- B. WOOD-FIBER OR PAPER-FIBER MULCH SHALL BE MADE FROM WOOD, PLANT FIBERS OR PAPER CONTAINING NO STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY JANUARY 2014GROWTH OR GERMINATION INHIBITING MATERIALS, USED AT THE RATE OF 1,500 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PRODUCT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. <u>MULCH SHALL NOT BEMIXEDIN THE TANK WITH SEED.</u> USE IS LIMITED TO FLATTER SLOPES AND DURING OPTIMUM SEEDING PERIODS IN SPRING AND FALL. C.PELLETIZED MULCH-COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAYECTI CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS, AND COLORING AGENTS. THE DRY PELLETS, WHEN APPLIED TO AW SEEDED AREA AND WATERED, FORM A MULCHMAT. PELLETIZED MULCH SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MULCH MAY BE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE
- OF 60-75 LBS/1.000 SQUARE FEET AND ACTIVATED WITH 0.2 TO0.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS. SEEDED AREAS WHERE WEED-SEED FREE MULCH IS DESIRED, OR ON SITES WHERE STRAW MULCH AND TACKIFIERAGENT ARE NOT PRACTICAL OR DESIRABLE, APPLYING THE FULL 0.2 TO 0.4 INCHES OF WATER AFTER SPREADING PELLETIZED MULCH ON THE SEEDBED IS EXTREMELY IMPORTANT FOR SUFFICIENT ACTIVATION AND EXPANSION OF THE MULCH TO PROVIDE SOIL COVERAGE 5.IRRIGATION (WHERE FEASIBLE)
- IF SOIL MOISTURE IS DEFICIENT SUPPLY NEW SEEDING WITH ADEQUATE WATER (A MINIMUM OF 1/4 INCH APPLIED UP TO TWICE A DAY UNTIL VEGETATION IS WELL ESTABLISHED). THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES 6.TOP DRESSING
- SINCE SOIL ORGANIC MATTER CONTENT AND SLOW RELEASE NITROGEN FERTILIZER (WATER INSOLUBLE) ARE PRESCRIBED NSECTION 2A-SEEDBED PREPARATION IN THIS STANDARD, NO FOLLOW-UP OF TOP DRESSING IS MANDATORY. AN EXCEPTION MAYBE MADE WHERE GROSS NITROGEN DEFICIENCY EXISTS IN THE SOIL TO THE EXTENT THAT TURF FAILURE MAY DEVELOP. IN THAT INSTANCE, TOP DRESS WITH 10-10-10 OR EQUIVALENT AT 300 POUNDS PER ACRE OR 7 POUNDS PER 1,000 SQUARE FEET EVERY 3 TO 5 WEEKS UNTIL THE GROSS NITROGEN DEFICIENCY IN THE TURF IS AMELIORATED. 7. ESTABLISHING PERMANENT VEGETATIVE STABILIZATION
- THE QUALITY OF PERMANENT VEGETATION RESTS WITH THE CONTRACTOR. THE TIMING OF SEEDING. PREPARING THE SEEDBED. APPLYING NUTRIENTS, MULCH AND OTHER MANAGEMENT ARE ESSENTIAL. THE SEED APPLICATION RATES IN TABLE 4-3 ARE REQUIRED WHEN A <u>REPORT OF COMPLIANCE</u>IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. UP TO 50% REDUCTION IN APPLICATION RATES MAY BE USED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO REQUESTING A<u>REPORT OF COMPLIANCE</u>FROM THE DISTRICT. THESE RATES APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVER (OF THE SEEDED SPECIES) AND MOWED ONCE. NOTE THIS DESIGNATION OF MOWED

OTHERWISE MISMANAGED.

ONCE DOES NOT GUARANTEE THE PERMANENCY OF THE TURF SHOULD OTHER MAINTENANCE FACTORS BE NEGLECTED OR

CONSTRUCTION SEQUENCE

DURATION

EXACT TIMING FOR DEVELOPMENT OF THIS PROJECT IS NOT KNOWN AT THIS TIME. HOWEVER, IT IS ANTICIPATED THAT CONSTRUCTION WILL COMMENCE IN THE FALL OF 2024 AND WILL PROCEED IMMEDIATELY AND CONTINUOUSLY ONCE THE REQUIRED APPROVALS ARE SECURED. ITEMS AND DURATIONS OF CONSTRUCTION WILL OCCUR APPROXIMATELY AS FOLLOWS: PHASE

EQUIPMENT FOR SEEDBED PREPARATION,	
OULD BE DONE IN ACCORDANCE WITH STANDARD	

C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A

A. SEED GERMINATION SHALL HAVE BEEN TESTED WITHIN 12 MONTHS OF THE PLANTING DATE. NO SEED SHALL BE ACCEPTED

A. STRAW OR HAY. UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, TO BE APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER

(2) SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED AND,

PHASE DURATION INSTALL TEMPORARY SOIL EROSION FACILITIES MMEDIATELY CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, INSTALL SILT FENCE, INSTALL TREE PROTECTION FENCING) SITE DEMOLITION 1 WEEK 3. ROUGH CLEARING AND GRADING 2 WEEKS TEMPORARY SEEDING IMMEDIATELY 5 UTILITY INSTALLATION 2 WFFKS 6. INSTALL INLET PROTECTION IMMEDIATELY 7 CURB AND SIDEWALK CONSTRUCTION 1 WFFK 8. PAVEMENT SUB-BASE 1 WEEK 9 CONSTRUCTION OF BUILDING ADDITIONS 5 MONTHS 10. MAINTENANCE OF TEMPORARY EROSION CONTROL MEASURES CONTINUOUSLY 11. PRELIMINARY INSTALLATION OF LANDSCAPING 1 WEEK 12. FINAL PAVEMENT COURSE 1 WEEK 13. FINAL CONSTRUCTION/STABILIZATION OF SITE 1 WEEK

*TEMPORARY SEEDING SHALL ALSO BE PERFORMED WHEN NECESSARY IN ACCORDANCE WITH NOTE NO. 1 OF THE SOIL EROSION AND SEDIMENT CONTROL NOTES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES

DURING CONSTRUCTION. THE PROPERTY OWNERS SHALL ASSUME THIS RESPONSIBILITY AFTER CONSTRUCTION IS COMPLETED AND CERTIFICATES OF OCCUPANCY ARE ISSUED. THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED, AS DIRECTED BY THE

DISTRICT INSPECTOR. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ROADWAYS CLEAN AT ALL TIMES. ANY SEDIMENT SPILLED OR TRACKED ON THE ROADWAY WILL BE CLEANED UP IMMEDIATELY, OR AT MINIMUM, BY THE END OF EACH WORK DAY. DUST GENERATION SHALL BE CONTROLLED ON A CONSTANT BASIS BY WETTING THE SURFACE AND/OR APPLICATION OF CALCIUM

STEEP SLOPES SHALL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR SUITABLE EQUAL. (SEE ANCHORING NOTES & NOTE NO. 6 OF SOIL EROSION & SEDIMENT CONTROL NOTES.) ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON INDIVIDUAL SITES SHALL APPLY TO ANY SUBSEQUENT OWNERS.

STANDARD FOR TOPSOILING

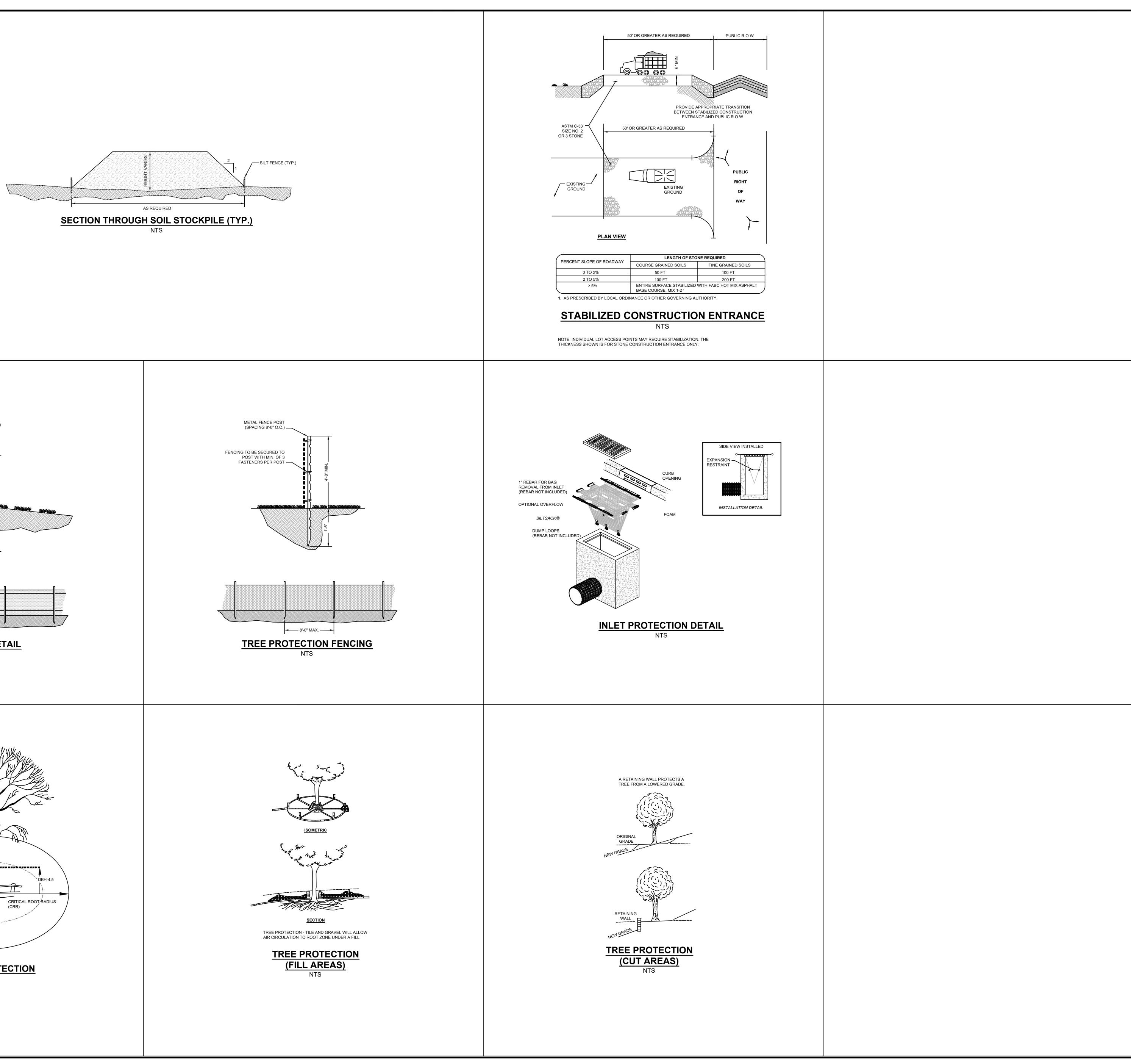
1. MATERIALS

- A. TOPSOIL SHOULD BE FRIABLE1, LOAMY2, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER. MORE THAN 0.5 MILLIMHOS MAY DESICCATE SEEDLINGS AND ADVERSELY IMPACT GROWTH). IMPORTED TOPSOIL SHALL HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES. B. TOPSOIL SUBSTITUTE IS A SOIL MATERIAL WHICH MAY HAVE BEEN AMENDED WITH SAND, SILT, CLAY, ORGANIC MATTER
- FERTILIZER OR LIME AND HAS THE APPEARANCE OF TOPSOIL. TOPSOIL SUBSTITUTES MAY BE UTILIZED ON SITES WITH INSUFFICIENT TOPSOIL FOR ESTABLISHING PERMANENT VEGETATION. ALL TOPSOIL SUBSTITUTE MATERIALS SHALL MEET THE REQUIREMENTS OF TOPSOIL NOTED ABOVE. SOIL TESTS SHALL BE PERFORMED TO DETERMINE THE COMPONENTS OF SAND, SILT, CLAY, ORGANIC MATTER, SOLUBLE SALTS AND PH LEVEL.
- 2. STRIPPING AND STOCKPILING
- A. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING. B. STRIPPING SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
- C. WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO APPROXIMATELY 6.5
- D. A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL. E. STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE
- VIRONMENTAL DAMAGE. F. STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH STANDARDS PREVIOUSLY DESCRIBED HEREIN: SEE STANDARDS FOR PERMANENT (PG. 4-1) OR TEMPORARY (PG.7-1) VEGETATIVE COVER FOR SOIL STABILIZATION. WEEDS SHOULD NOT BE ALLOWED TO GROW ON STOCKPILES.
- 3. SITE PREPARATIC A. GRADE AT THE ONSET OF THE OPTIMAL SEEDING PERIOD SO AS TO MINIMIZE THE DURATION AND AREA OF EXPOSURE OF DISTURBED SOIL TO EROSION. IMMEDIATELY PROCEED TO ESTABLISH VEGETATIVE COVER IN ACCORDANCE WITH THE SPECIFIED SEED MIXTURE. TIME IS OF THE ESSENCE
- B. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. SEE THE STANDARD FOR LAND GRADING, PG. 19-1. AS GUIDANCE FOR IDEAL CONDITIONS, SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT, LIMESTONE, IF NEEDED. SHOULD BE APPLIED TO BRING SOIL TO A PH OF APPROXIMATELY 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
- D. PRIOR TO TOPSOILING. THE SUBSOIL SHALL BE IN COMPLIANCE WITH THE STANDARD FOR LAND GRADING. PG. 19-1. E. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42.
- 4. APPLYING TOPSOIL
- A. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE; I.E. LESS THAN FIELD CAPACITY (SEE GLOSSARY). B. A UNIFORM APPLICATION TO AN AVERAGE DEPTH OF 5.0 INCHES, MINIMUM OF 4 INCHES, FIRMED IN PLACE IS REQUIRED ALTERNATIVE DEPTHS MAY BE CONSIDERED WHERE SPECIAL REGULATORY AND/OR INDUSTRY DESIGN STANDARDS ARE APPROPRIATE SUCH AS ON GOLF COURSES, SPORTS FIELDS LANDEUL CAPPING, ETC., SOILS WITH A PH OF 4 0 OR LESS
- OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE, IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOIL (PG. 1-1). C. PURSUANT TO THE REQUIREMENTS IN SECTION 7 OF THE STANDARD FOR PERMANENT VEGETATIVE STABILIZATION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT PERMANENT VEGETATIVE COVER BECOMES ESTABLISHED ON AT LEAS 80% OF THE SOILS TO BE STABILIZED WITH VEGETATION. FAILURE TO ACHIEVE THE MINIMUM COVERAGE MAY REQUIRE ADDITIONAL WORK TO BE PERFORMED BY THE CONTRACTOR TO INCLUDE SOME OR ALL OF THE FOLLOWING SUPPLEMENTAL SEEDING, RE-APPLICATION OF LIME AND FERTILIZERS, AND/OR THE ADDITION OF ORGANIC MATTER (I.E COMPOST) AS A TOP DRESSING. SUCH ADDITIONAL MEASURES SHALL BE BASED ON SOIL TESTS SUCH AS THOSE OFFERED BY RUTGERS COOPERATIVE EXTENSION SERVICE OR OTHER APPROVED LABORATORY FACILITIES QUALIFIED TO TEST SOIL SAMPLES FOR AGRONOMIC PROPERTIES.

STANDARD FOR DEWATERING

- 1. REMOVABLE PUMPING STATIONS ARE USED WHEN LONG DURATIONS OF PUMPING ARE REQUIRED. THE NUMBER OF REMOVABLE STATIONS AND THEIR LOCATIONS SHALL BE SHOWN ON THE PLANS AND SHALL CONFORM TO DETAIL 14-1. WATER PUMPED FROM THE STATION SHALL BE DISCHARGED INTO A SEDIMENT BASIN OR SUITABLE FILTER AREA. A. THE SUCTION HOSE FROM THE PUMP SHALL BE PLACED INSIDE THE INNER PIPE TO BEGIN DEWATERING. THE DISCHARGE
- HOSE SHALL BE PLACED IN A STABILIZED AREA DOWNSLOPE OF UNSTABILIZED AREAS TO PREVENT EROSION B. MAINTENANCE- THE INNER PIPE CAN EASILY BE REMOVED TO FACILITATE CHANGING THE GEOTEXTILE WHEN IT CLOGS. AINTENANCE MUST BE PERFORMED WHEN THE PUMP RUNS DRY AND BACKED UP WATER REMAINS.
- 2. SUMP PITS ARE TEMPORARY PITS WHICH ARE USED TO REMOVE EXCESS WATER WHILE MINIMIZING SEDIMENTATION. THE NUMBER OF SUMP PITS AND THEIR LOCATIONS SHALL BE INCLUDED ON THE PLANS. PITS MAY BE RELOCATED TO OPTIMIZE USE BUT DISCHARGE LOCATION CHANGES MUST BE COORDINATED WITH THE LOCAL CONSERVATION DISTRICT. THE DESIGN MUST CONFORM TO THE GENERAL CRITERIA OUTLINED ON DETAIL 14-2. A PERFORATED VERTICAL STANDPIPE IS WRAPPED WITH 2" HARDWARE CLOTH AND GEOTEXTILE FABRIC THEN PLACED IN THE CENTER OF AN EXCAVATED PIT WHICH IS THEN BACKFILLED WITH FILTER MATERIAL CONSISTING OF ANYTHING FROM CLEAN GRAVEL (MINIMAL FINES) TO ASTM C 33 STONE (1 2" MAXIMUM DIAMETER). WATER IS THEN PUMPED FROM THE CENTER OF THE STANDPIPE TO A SUITABLE DISCHARGE AREA SUCH AS INTO A SEDIMENT BASIN OR SUITABLE FILTER.
- 3. SEDIMENT TANK / SILT CONTROL BAGS ARE CONTAINERS THROUGH WHICH SEDIMENT LADEN WATER IS PUMPED TO TRAP AND RETAIN THE SEDIMENT. A SEDIMENT TANK OR A SILT CONTROL BAG IS TO BE USED ON SITES WERE EXCAVATIONS ARE DEEP AND SPACE IS LIMITED AND WHERE DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO STREAM AND STORM DRAINAGE SYSTEMS IS TO BE AVOIDED.
- A. LOCATION CONTAINERS (TANKS OR BAGS) SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF THE RAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACE DIRECTLY INTO RECEIVING WATERS.
- B TANK SIZE THE FOLLOWING FORMULA SHOULD BE USED IN DETERMINING THE STORAGE VOLUME OF THE TANK: 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE CAPACITY, TYPICAL TANK CONFIGURATION IS SHOWN ON DETAIL 14-3. TANKS MAY BE CONNECTED IN SERIES TO INCREASE EFFECTIVENESS.
- TANKS CONSIST OF TWO CONCENTRIC CIRCULAR PIPES (CMP), ATTACHED TO A WATERTIGHT BASEPLATE. THE INNER CMP IS PERFORATED WITH 1" HOLES ON 6" CENTERS AND IS WRAPPED WITH GEOTEXTILE AND HARDWARE CLOTH. PLIMPED WATER IS DISCHARGED INTO THE INNER CMP WHERE IT FLOWS THROUGH THE GEOTEXTILE INTO THE SPACE BETWEEN THE TWO CMP=S. A DISCHARGE LINE IS ATTACHED TO THE OUTER CMP AND DRAWS FILTERED WATER FROM THE ANNULUS BETWEEN THE TWO CONCENTRIC CMP=S. THE DISCHARGE LINE MAY BE CONNECTED TO ANOTHERTANK WHERE IT DRAINS TO THE INNER CMP OF THE SECOND TANK. THIS SERIES CONNECTION MAY BE CONTINUED INDEFINITEL'
- SEDIMENT CONTROL BAGS MUST BE LOCATED AWAY FROM RECEIVING WATERS AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS. SEE DETAIL 14-4. BAGS MAY BE COMBINED WITH TEMPORARY FILTERS (ITEM 4, OLLOWING) FOR ENHANCED FILTRATION.
- 4. TEMPORARY FILTERS FOR SMALL IMPOUNDMENTS FOR SMALL QUANTITIES OF PONDED WATER SUCH AS MAY BE FOUND IN SHALLOW EXCAVATIONS (SMALL TRENCHES MANHOLE INSTALLATIONS FTC.) A SEDIMENT FILTER MAY BE CONSTRUCTED USING COMBINATIONS OF HAY BALES. SMALL CLEAN STONE AND FILTER FABRIC. THIS METHOD IS LIMITED TO SMALL QUANTITIES OF TRAPPED SURFACE WATER (PUMPING OF WELL POINTS IS EXCLUDED FROM THIS STANDARD) AND WHERE SEDIMENTS ARE NOT HIGHLY COLLOIDAL IN NATURE.

PROJECT INFORMATION OJECT NAME BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE MONMOUTH COUNTY, NJ WNER / APPLICANT: OOD BANK OF MONMOUTH & OCEAN COUNT 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS SURVEYOR: INSITE SURVEYING, LL(1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 **REDCOM DESIGN AND** CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 JENNIFER S. KRIMKO, ESQ. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL.....800-272-1000 InSite Engineering, LL ERTIFICATE OF AUTHORIZATION · 24GA2808320 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA AUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATUR AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGIN AND MAY HAVE BEEN ALTERED CHRISTOPHER M. BEDNARSKI. P. ROFESSIONAL ENGINEEF NJPE LIC. NO. 24GE05256400 REVISIONS v.# Date Commen 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS PLANNING BOARD SUBMISSION V PER CLIENT COMMEN 08/25/23 REV PER CLIENT COMMENTS 05/10/23 INITIAL RELEASE SCALE: AS SHOWN DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD JOB #: 23-2111-01 СНЕСКЕД ВУ: СМВ CAD ID: 23-2111-01r5 NOT FOR CONSTRUCTION APPROVED B FOR CONSTRUCTION PLAN INFORMATION RAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN HEET TITLE: SOIL EROSION & SEDIMENT CONTROL NOTES HEET NO: C901



FENCE POST (SPACING 8'-0" C. TO C.) FABRIC SECURED TO POST WITH METAL FASTENERS & REINFORCEMENT BETWEEN FASTENER & FABRIC -SILT ACCUMULATION ----GRADE DIG 6" WIDE & DEEP TRENCH, BURY BOTTOM 1'-0" OF FABRIC, TAMP N PLACE DRAWSTRING RUNNING THROUGH FABRIC ALONG TOP OF FENCE SILT FENCE DETAIL NTS ESTIMATE A TREE'S PROTECTED ROOT ZONE (PRZ) BY CALCULATING THE CRITICAL ROOT RADIUS (CRR). 1. MEASURE THE DBH (DIAMETER OF TREE AT BREAST HEIGHT, 4.5 FEET ABOVE GROUND ON THE UPHILL SIDE OF TREE) IN INCHES. 2. MULTIPLY MEASURED DBH BY 1.5 OR 1.0. EXPRESS THE RESULT IN FEET. DBH X 1.5: CRITICAL ROOT RADIUS FOR OLDER, UNHEALTHY, OR SENSITIVE SPECIES. DBH X 1.0: CRITICAL ROOT RADIUS FOR YOUNGER, HEALTHY OR TOLERANT SPECIES. [PROTECTED ROOT ZONE (PRZ) ···· DRIPLINE Route 66_ Reserved. TREE ROOT PROTECTION 3300 Xights NTS

PROJECT INFORMATION ROJECT NAME: FULFILL FOOD BANK & OCEAN BLOCK 2301, LOT 1 TAX MAP #23 3300 ROUTE 66 TOWNSHIP OF NEPTUNE , MONMOUTH COUNTY, NJ OWNER / APPLICANT: FOOD BANK OF MONMOUTH & OCEAN COUNT 3300 ROUTE 66 TOWNSHIP OF NEPTUNE, NJ 07753 APPLICANT'S PROFESSIONALS <u>SURVEYOR:</u> INSITE SURVEYING, LLC 1955 NJ 34 #1A WALL TOWNSHIP, NJ 07719 ARCHITECT: REDCOM DESIGN AND CONSTRUCTION, LLC 433 NORTH AVE EAST P.O. BOX 160 WESTFIELD, NJ 07090 <u>ATTORNEY:</u> JENNIFER S. KRIMKO, ESQ. ANSELL GRIMM & AARON, PC 1500 LAWRENCE AVENUE - CN7807 OCEAN, NJ 07712 CALL BEFORE YOU DIG! NJ ONE CALL....800-272-1000 COMMUNICATION TEMP. SUR InSite Engineering, LLC CERTIFICATE OF AUTHORIZATION: 24GA28083200 1955 ROUTE 34, SUITE 1A, WALL, NJ 07719 732-531-7100 (Ph) 732-531-7344 (Fax) InSite@InSiteEng.net www.InSiteEng.net LICENSED IN: NEW JERSEY, NEW YORK, PENNSYLVANIA DELAWARE, CONNECTICUT, NORTH CAROLINA COLORADO, & DISTRICT OF COLUMBIA CAUTION: IF THIS DOCUMENT DOES NOT CONTAIN THE SIGNATURE AND RAISED SEAL OF THE PROFESSIONAL, IT IS NOT AN ORIGINAL AND MAY HAVE BEEN ALTERED CHRISTOPHER M. BEDNARSKI, P.E PROFESSIONAL ENGINEER NJPE LIC. NO. 24GE05256400 REVISIONS ev.# Date Comme 03/08/24 REVISED PER ZB COMMENTS 01/10/24 REVISED PER FSCD & CLIENT COMMENTS 10/20/23 PLANNING BOARD SUBMISSION 09/27/23 REV PER CLIENT COMMENTS 1 08/25/23 REV PER CLIENT COMMENTS 0 05/10/23 INITIAL RELEASE SCALE: AS SHOWN DESIGNED BY: STC DATE: 05/10/23 DRAWN BY: SGD ЈОВ #: 23-2111-01 СНЕСКЕД ВУ: СМВ cad ID: 23-2111-01r5 NOT FOR CONSTRUCTION APPROVED BY FOR CONSTRUCTION PLAN INFORMATION DRAWING TITLE: PRELIMINARY & FINAL MAJOR SITE PLAN SOIL EROSION & SEDIMENT CONTROL DETAILS SHEET NO: C902