PRELIMINARY AND FINAL SITE PLAN FOR BEN HUR BRUNSWICK, LLC PROPOSED WAREHOUSE EXPANSION BLOCK 148, LOT 5.03; TAX MAP SHEET #34 - LATEST REV. DATED 05-04-2000 2400 U.S. ROUTE 1 TOWNSHIP OF NORTH BRUNSWICK MIDDLESEX COUNTY, NEW JERSEY

200' PROPERTY OWNERS LIST

PROPERTY OWNER	BLOCK	LOT
SHEIN SENOFF LTD PARTNERSHIP 14 WIDE HORIZONS DRIVE COLTS NECK NJ 07722	72	3
COUNTY OF MIDDLESEX 1 JFK SQUARE PO BOX 871 NEW BRUNSWICK NJ 08903	154	15.01
BEN HUR ROUTE 1 LLC 2400 ROUTE 1 NORTH BRUNSWICK NJ 08902	154	15.02
BEN HUR ROUTE 1 LLC 2400 ROUTE 1 NORTH BRUNSWICK NJ 08902	154	13.03
COUNTY OF MIDDLESEX 1 JFK SQUARE PO BOX 871 NEW BRUNSWICK NJ 08903	154	37
BEN HUR ROUTE 1 LLC 2400 ROUTE 1 NORTH BRUNSWICK NJ 08902	154	14.02
COUNTY OF MIDDLESEX 1 JFK SQUARE PO BOX 871 NEW BRUNSWICK NJ 08903	154	13.01
FINNEGANS INC 90 WOODBRIDGE CTR DR 600 WOODBRIDGE NJ 07095	73	3.02
GREENE ROBERT E 922 SOUTH WIEKER ROAD SEVERN MD 21144	154	9
COUNTY OF MIDDLESEX 1 JFK SQUARE PO BOX 871 NEW BRUNSWICK NJ 08903	154	7
COUNTY OF MIDDLESEX POB 871–1 JFK SQUARE NEW BRUNSWICK NJ 08903	154	32
COUNTY OF MIDDLESEX POB 871– 1 JFK SQUARE NEW BRUNSWICK NJ 08903	154	33
COUNTY OF MIDDLESEX 1 JFK SQUARE PO BOX 871 NEW BRUNSWICK NJ 08903	154	35
COUNTY OF MIDDLESEX 1 JFK SQUARE PO BOX 871 NEW BRUNSWICK NJ 08903	154	34
BEN HUR ROUTE 1 LLC 2400 ROUTE 1 NORTH BRUNSWICK NJ 08902	154	21
BEN HUR ROUTE 1 LLC 2400 ROUTE 1 NORTH BRUNSWICK NJ 08902	154	16
SHEIN SENOFF LTD PARTNERSHIP 14 WIDE HORIZONS DRIVE COLTS NECK NJ 07722	72	2
BEN HUR ROUTE 1 LLC 2400 ROUTE 1 NORTH BRUNSWICK NJ 08902	154	24.01
BEN HUR ROUTE 1 LLC 2400 ROUTE 1 NORTH BRUNSWICK NJ 08902	154	21.01

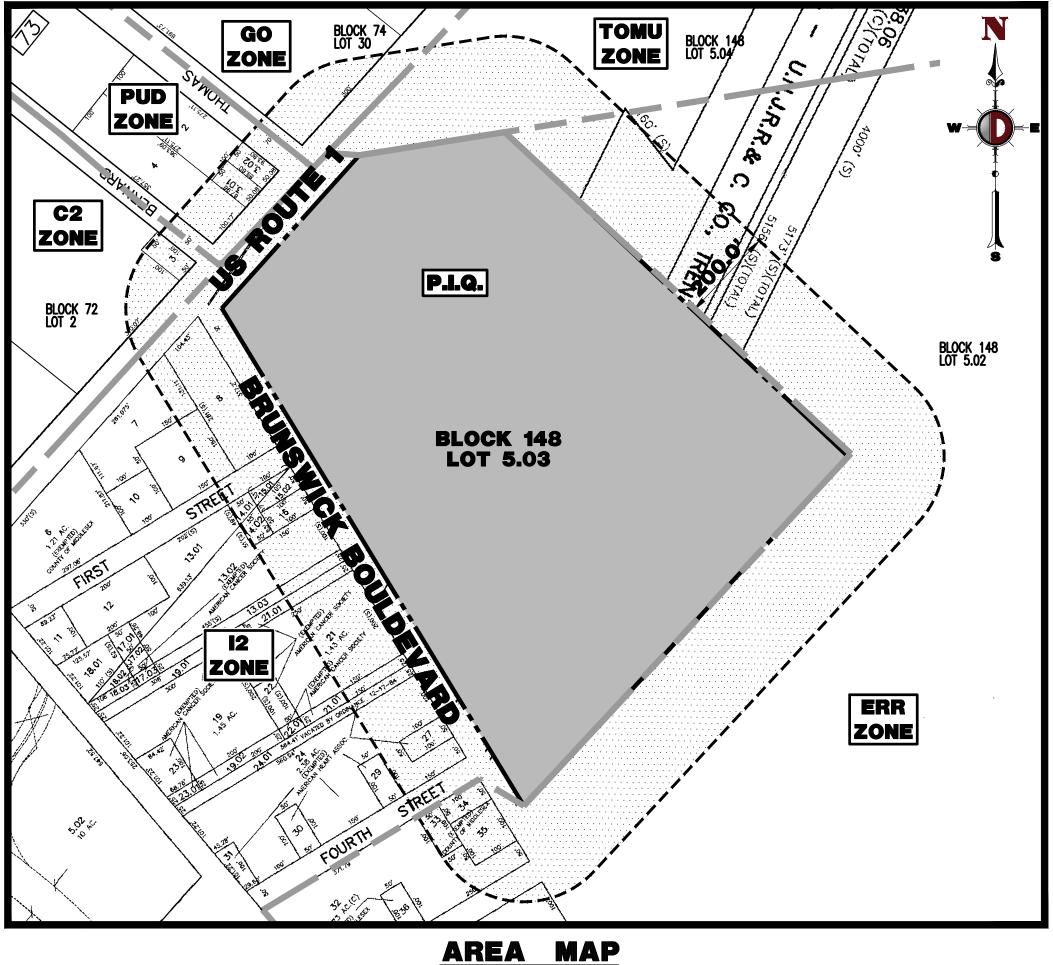
PROPERTY OWNER	<u>BLOCK</u>	<u>L01</u>
Shein Senoff Limited Partnership 14 Wide Horizons Drive Colts Neck nj 07722	73	3.0
BEN HUR ROUTE 1 LLC 2400 ROUTE 1 NORTH BRUNSWICK NJ 08902	154	13.
COUNTY OF MIDDLESEX 1 JFK SQUARE PO BOX 871 NEW BRUNSWICK NJ 08903	154	8
FINNEGANS INC 90 WOODBRIDGE CRT DR 600 WOODBRIDGE NJ 07095	73	2
COUNT OF MIDDLESEX 1 JFK SQUARE PO BOX 871 NEW BRUNSWICK NJ 08901	148	5.0
COUNTY OF MIDDLESEX 1 JFK SQUARE PO BOX 871 NEW BRUNSWICK NJ 08903	148	14.
BEN HUR ROUTE 1 LLC 2400 US ROUTE 1 NORTH BRUNSWICK NJ 08902	154	29
BEN HUR ROUTE 1 LLC 2400 US ROUTE 1 NORTH BRUNSWICK NJ 08902	154	27
BEN HUR ROUTE 1 LLC 2400 US ROUTE 1 NORTH BRUNSWICK NJ 08902	154	24
BEN HUR ROUTE 1 LLC 2400 US ROUTE 1 NORTH BRUNSWICK NJ 08902	154	21.
CP BUILDING GROUP INC 192 ROUTE 22 WEST GREEN BROOK NJ 08812	74	30
NORTH BRUNSWICK TOD ASSOCIATES LLC 820 MORRIS TURNPIKE SHORT HILLS NJ 07078	141	3
NORTH BRUNSWICK TOD ASSOCIATES LLC 820 MORRIS TURNPIKE SHORT HILLS NJ 07078	141	1

ALSO TO BE NOTIFIED: MIDDLESEX COUNTY PLANNING BOARD CQUNTY ADMINISTRATION BUILDING 5TH FLOOR 75 BAYARD STREET NEW BRUNSWICK, NJ 08901 PUBLIC SERVICE ELECTRIC & GAS CO. MANAGER-CORPORATE PROPERTIES 80 PARK PLACE. T6B NEWARK, NJ 07102 CABLEVISION OF RARITAN VALLEY 275 CENTENNIAL AVENUE CN 6805 PISCATAWAY, NJ 08855 ATTN: MARGUERITE PRENDIVILLE CONSTRUCTION DEPARTMENT MR. TIM ALLE TEXAS EASTERN TRANSMISSION CORP. 501 COOLIDGE STREET SOUTH PLAINFIELD, NJ 07080 NORTH BRUNSWICK, NJ 08902 ATTN: TOWNSHIP CLERK VERIZON N.J. GEN. TAX ADMINISTRATION BROAD STREET-ROOM 305 NEWARK, NJ 07101 DEPARTMENT OF TRANSPORTATION STATE OF NEW JERSEY

DEPARTMENT OF TRANSPORTATIC STATE OF NEW JERSEY 1035 PARKWAY TRENTON, NJ 08625 SUNOCO PIPELINE L.P. RIGHT OF WAY MONTELLO COMPLEX 525 FRITZTOWN ROAD SINKING SPRING, PA 19608

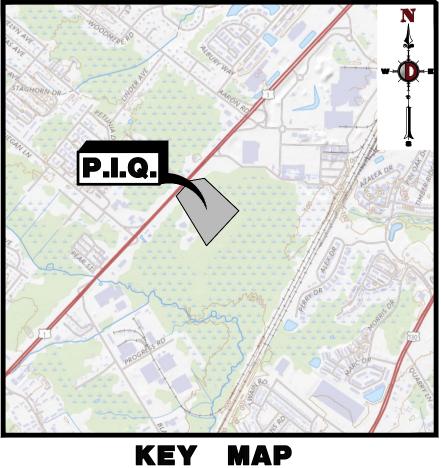
PLANNING BOARD A	PPRUVAL
APPROVED BY THE PLANNING BOARD OF NORTH BRUNSWICK, MIDDLESEX,	NEW JERSEY
CHAIRMAN	DATE
SECRETARY	DATE
BOARD ENGINEER	DATE

od: 01/13/22 — 2:00 PM, By: kgray, — Product Ver: 24.1s (LMS Tech) \\decpc.local\decfolders\Data\decpc projects\2246 ben hur group\99—001 north brunswick\Dwg\Site Plans\D224699001SK0.dwg, ———> 01 COVER



REA MAP 1" = 200'

PREPARED BY DYNAMIC ENGINEERING CONSULTANTS, P.C. 1904 MAIN STREET LAKE COMO, NJ 07719 WWW.DYNAMICEC.COM



1" = 2000'

DRAWING IND	EX
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VEHICLE CIRCULATION (WB-67)	15 of 15

c	this plan set is for permit	iting purposes only and m	iay not be used for	CONSTRUCTION
Comparison of the second				
	COVER SHEET			
ω	PROJECT: BEN HUR BRUN PROPOSED WAREHOUSE BLOCK 148, LOT 5.03 2400 U.S. ROUTE 1 TOWNSHIP OF NORTH BRUNS		JOB No: 2246-99-001 DRAWN BY: NSR DESIGNED BY: ACC	DATE: 01/13/2022 SCALE: (H) AS (V) SHOWN SHEET No:
Comment	RYAN MCDERMOTT	JOHN A. PALUS	CHECKED BY: JAP CHECKED BY: 	
Date	PROFESSIONAL ENGINEER	PROFESSIONAL ENGINEER	Revergence below Revergence b	-
Rev.	NEW JERSEY LICENSE No. 56559	NEW JERSEY LICENSE No. 41975	FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISI WWW.CALL811.COM	T: Rev. # O



	BOUNDARY AND TOPOGRAP PREPARED BY DYNAMIC SU 1904 MAIN STREET LAKE COMO, NJ 07719 SURVEY FILE NO: 2246-99 DATED 03/31/2020 LAST	HIC SURVET JRVEY, LLC 9-001S REVISED 11/03/2020			WHICH ARE THE SOLE PROMPTNESS WHILE AL ENGINEERING CONSULT CONSULTANTS, P.C. SH ATTENTION OF DYNAMIC NOT BE REQUIRED TO
OWNER/APPL	463 7TH AVENUE 21ST FLOOR				26. IN AN EFFORT TO RES COMPLETION OF THE P THEM ARISING OUT OF PARTIES MUTUALLY AGR
PARCEL DATA	NEW YORK, NY 10018 A: BLOCK 148, LOT 5.03 2400 ROUTE 1				PARTIES MUTUALLY AGR 27. THE CONTRACTOR MUS RETAINED FOR THE PRO
ZONE:	TOWNSHIP OF NORTH BRU MIDDLESEX COUNTY, NJ I-2 (INDUSTRIAL DISTRICT)				PROVISION IN ALL AGRI MEDIATION AS THE PRII
EXISTING USE PROPOSED U	E: MULTIPURPOSE WAREHOUS	E DISTRIBUTION FACILITY (PERM OSE WAREHOUSE DISTRIBUTION	•		28. IF THE CONTRACTOR DE PRIOR WRITTEN AUTHOI COSTS TO CORRECT AI DAMAGES RESULTING T
	se: Expansion to multipurp F ZONING REQUIREMENTS (§ 205		FACILITY (PERMITED USE)		CONNECT ANY SUCH W RESULTING THEREFROM
ZONE REQUI		I-2 ZONE	EXISTING 955,601 SF (21.94 AC.)	PROPOSED 955,601 SF (21.94 AC.)	29. ALL TRAFFIC SIGNS AND STREETS AND HIGHWAY
MINIMUM LOT		350 FT	721.6 FT	721.6 FT	30. THE BUILDING SETBACK BUILDING WALLS. THES EXTENSIONS UNLESS S
MINIMUM LOT		N/S 100 FT	428.1 FT 973.3 FT	428.1 FT 973.3 FT	- 31. CONTRACTOR ACKNOWLE STORMWATER MANAGEM
	ONT YARD SETBACK	100 FT	270.0 FT	244.9 FT	PERMEABILITY IN THE I 32. CONTRACTOR TO BE AD
	R YARD SETBACK E YARD SETBACK	75 FT 40 FT	01.0 FT	N/A 61.0 FT	SITE PLAN DESIGN. AS ARCHITECTURAL PLANS ROUTE MUST COMPLY CONTRACTOR TO NOTIF
MINIMUM COI (PRINCIPAL E	MBINED SIDE YARD SETBACK BUILDING)	80 FT	156.0 FT	156.0 FT	
MAXIMUM BU	ILDING HEIGHT	3 STORIES OR 40 FT	± 43 FT (E)	± 43 FT (E) (EXPANSION AREA= 40 FT)	1. ALL DEMOLITION ACTIVI
MAXIMUM LO (BY PRINCIP)	T COVERAGE AL BUILDINGS)	40%	25.7% (246,049 SF)	29.4% (280,650 SF)	 PROCEED WITH DEMOLI COMPLETE DEMOLITION
MAXIMUM IMF N/S: NO STA	PERVIOUS COVERAGE	80% E (E): EXISTING NON-CON	43.2% (413,007 SF) FORMANCE (V): VARIANCE	43.2% (413,003 SF)	 4. DEMOLISH CONCRETE /
 B. NONE OF USE, UNI, ENLARGEI NEW USE C. PARKING ACCESS E. REQUIREL PUBLIC E COMMERC F. EACH OFI G. STORAGE, FLOOR AI H. PARKING WAREHOL 280,650 LOADING REQ A. TRUCK LL ON OTHE B. FOR EVEI PLACES (VEHICLES) LOADING REQ A. TRUCK LL ON OTHE B. FOR EVEI PLACES (VEHICLES) C. ACCESS D. NO OFF- DRIVEWAY REI A. NOT MOR EACH 300 INTERSEC D. NO OFF- DRIVEWAY REI A. NOT MOR EACH 300 INTERSEC D. NO OFF- DRIVEWAY REI A. NOT MOR EACH 300 INTERSEC D. NO DRIVE INTERSEC BUFFER REQU A. ALL PARI APPROVE BUFFER REQU A. ALL PARI MATERIAL DECIDUO WAT BE NOT DETI 	OF MOBILE SOURCES. (9205–35.1 THE OFF-STREET PARKING FACILI LESS SAID BUILDING OR USE SHAL D PORTIONS OF THE BUILDING OR . (§ 205–96.B) AREAS MAY BE LOCATED IN ANY F 96.E) (E) SPACES, DRIVEWAYS AND AISLES S BETWEEN ADJACENT PARKING AREA D PARKING AREA SHALL BE PROVID NTRANCE TO THE BUILDING THAT S CALCULATION AREA SHALL BE PROVID NTRANCE TO THE BUILDING THAT S CALCULATION: SE SF X (1 SPACE/2,500 SF) UIREMENTS DADING AND UNLOADING AREAS SH R THAN A PUBLIC STREET OR PUE Y BUILDING, STRUCTURE OR PART DY BUILDING, AND UNLOADING SPACE ILDINGS THAT CONTAIN IN EXCESS AS DETERMINED BY THE PLANNING TO TRUCK STANDING, LOADING AND UNLOADING AND UNLOADING QUIREMENTS E THAN TWO DRIVEWAYS USED AS D FEET OF FRONTAGE ON A PUBLIC STREET LOADING AND UNLOADING QUIREMENTS E THAN TWO DRIVEWAYS USED AS D FEET OF FRONTAGE ON A PUBLIC STREET LOADING AND UNLOADING STREET LOADING AND UNLOADING S SHALL HAVE A MINIMUM WIDTH DY ALL OO F ROW A PARKING ARE TING STREET. HOWEVER, ANY MAJC S BOARD, WILL GENERATE LARGE T F-WAY LINE OF AN INTERSECTING S SHALL HAVE A MINIMUM WIDTH DY THE PLANNING BORAD. (§ 205–98.B(5)(JIREMENTS ING MAREAS FOR 20 OR MORE VEP D BY THE PLANNING SHALL BARES AND STREES AND SHRUBS SHALL BE PROVIDED THAT NOT MORE THAN IS TREES AND SHRUBS SHALL BE DIMENTAL TO THE APPEARANCE OF IMENTAL TO THE APPEARANCE OF IMENTAL TO THE APPEARANCE OF	A MEANS OF INGRESS OR EGR A MEANS OF INGRESS OR EGR AREA SHALL BE LOCATED CONVENIENCE AREA SHALL BE PROVIDED IN SUFFICIEN SHALL BE PROVIDED (§ 205 DED WITHIN 150 FEET OF ALL L SUCH FACILITY IS REQUIRED TO ESS TO REAR ENTRANCES AND MEASURE NOT LESS THAN 9 FT SHIPPING ACTIVITIES SHALL PR IALL BE PROVIDED IN SUFFICIEN SHIPPING ACTIVITIES SHALL PR IALL BE PROVIDED IN SUFFICIEN BUIC PARKING AREA. (§ 205–97; THEREOF HAVING OVER 5,000 SEMBLY, INDUSTRY AND OTHER THERE SHALL BE PROVIDED AN BUILDING WITH THE ABOVE DEL ON THE PREMISES, NOT LESS OF 25,000 SF OF GFA WILL E BOARD. (§ 205–97.H) D UNLOADING SPACE SHALL BE ERE WITH PUBLIC CONVENIENCE AREA SHALL BE PERMITTED IN A MEANS OF INGRESS OR EGR C STREET, NOR SHALL ANY DR 205–97.B) A MEANS OF INGRESS OR EGR RAFFIC VOLUMES SHALL NOT BF STREET. (§ 205–98.B(3)) OF 12 FEET FOR ONE–WAY TR/ COR LEAVE PARKING SPACES S (§ 205 S AND LOADING AND UNLOADING 25% OF THE FENCE IS OPEN PLANTED ALONG THE FENCE TO AND LOADING AND UNLOADING STREET. (§ 205–97.H) USTRIAL, PUBLIC AND SEMI-PUI LANDSCAPED MATERIALS. (§ 202 TS AND LOADING AND UNLOADING C STREET, NOR SHALL ANY DR 205–97.C) USTRIAL, PUBLIC AND SEMI-PUI LANDSCAPED MATERIALS. (§ 202 TS AND LOADING AND UNLOADING 25% OF THE FENCE IS OPEN PLANTED ALONG THE FENCE TO SURROUNDING AREAS. (§ 205 TS AND LOADING AND UNLOADING 25% OF THE FENCE IS OPEN PLANTED ALONG THE FENCE IS OPEN PLANTED ALONG RAFAS. (§ 205 TS AND LOADING AND UNLOADING 25% OF THE FENCE IS OPEN PLANTED ALONG THE FENCE TO SURROUNDING AREAS. (§ 205 THE PLANNING BOARD THAT TH SURROUNDING AREAS. (§ 205 THE PLANNING BOARD THAT TH SURROUNDING AREAS. (§ 205 THE PLANNING BOARD THAT TH SURROUNDING AREAS. (§ 205 TO AND LOADING AND UNLOADING 25% OF THE FENCE IS OPEN PLANTED ALONG THE FENCE TO SURROUNDING AREAS. (§ 205 THE PLANNING BOARD THAT TH SURROUNDING AREAS. (§ 205 TS AND LOADING AND UNLOADING 25% OF THE FENCE IS OPEN PLANTED ALONG THE FENCE IS OPEN PLANTED ALONG AND UNLOADING AREAS. (§ 205 THE PLANNING BOAR	IIS CHAPTER SHALL BE REQUIRE SE THE PROVISIONS OF THIS CH HANGED, THE PROVISIONS OF THIS NOT BE LOCATED IN ANY REQUIND D DELINEATED. FOR SAFETY AND SES. IT SHALL BE MEASURED F SERVE. ALL PARKING SPACES I EXITS. (§ 205–97.E) I WIDE AND NOT LESS THAN 18 ROVIDE AT LEAST 1 PARKING SPACES I AMOUNT TO PERMIT THE TRAIN AND NOT LESS THAN 18 ROVIDE AT LEAST 1 PARKING SPACES IT AMOUNT TO PERMIT THE TRAIN SF OF GFA FOR COMMERCE, H SIMILAR USES INVOLVED IN THE VD PERMANENTLY MAINTAINED AT FINITIONS SHALL BE PROVIDED VI THAN 12 FT IN WIDTH, 35 FT BE REQUIRED TO PROVIDE ADDITI PROVIDED DIRECTLY FROM A PL E AND WILL PERMIT ORDERLY AN ANY REQUIRED FRONT YARD ARI VEWAY BE LOCATED CLOSER THAN THAN 120 FET TO THE NEARE CENTER OR INDUSTRIAL USE, W E LOCATED CLOSER THAN 200 F AND WILL PERMIT ON THE NEARE CENTER OR INDUSTRIAL USE, W E LOCATED CLOSER THAN 200 F AFFIC AND 25 FEET FOR TWO-W SHALL NOT BE LESS THAN TWEN WITH HEDGING AND/OR SHADE BLIC BUILDINGS AND USE AREAS 5–106.D) VG AREAS MAY BE CONSTRUCTEI ON ITS VERTICAL SURFACE. IN SHALL NOT BE LESS THAN TWEN WITH HEDGING AND/OR SHADE BLIC BUILDINGS AND USE AREAS 5–106.D) VG AREAS MAY BE CONSTRUCTEI ON ITS VERTICAL SURFACE. IN SHALL NOT BE LESS THAN TWEN WITH HEDGING AND/OR SHADE BLIC BUILDINGS AND USE AREAS 5–106.D) VG AREAS MAY BE CONSTRUCTEI ON ITS VERTICAL SURFACE. IN SHALL NOT BE LESS THAN TWEN WITH HEDGING AND/OR SHADE BLIC BUILDINGS AND USE AREAS 5–106.D) VG AREAS MAY BE CONSTRUCTEI ON ITS VERTICAL SURFACE. IN SHALL NOT BE LESS THAN TWEN WITH HEDGING AND USE AREAS 5–106.D) VG AREAS MAY BE CONSTRUCTEI ON ITS VERTICAL SURFACE. IN SHALL NOT BE LESS THAN TWEN WITH HEDGING AND USE AREAS 5–106.D) VG AREAS MAY BE CONSTRUCTEI ON ITS VERTICAL SURFACE. IN SHALL NOT BE LESS THAN TWEN SHALL NOT BE LESS THAN TWEN SHALL NOT BE LESS THAN TWEN SHALL NOT BE CONSTRUCTEI ON ITS VERTICAL SURFACE. IN SHALL NOT BE LESS THAN TWEN SHALL NOT BE LESS THAN TWEN SHALL NOT BE LESS THAN TWEN SHALL NOT BE DE SUMPORT ON SHALE SHALL N	P FIRE-FIGHTING PURPOSES, FREE ROM THE NEAREST POINT OF LOCATED AT THE REAR OF ANY FT DEEP. (§ 205–98.A) ACE PER 2,500 SF OF GROSS NSFER OF GOODS AND PRODUCTS OSPITAL, LAUNDRY, DRY CLEANING, RECEIPT AND DISTRIBUTION BY DEQUATE SPACE FOR STANDING, WITH AT LEAST ONE TRUCK IN LENGTH AND 14 FT IN HEIGHT. IONAL OFF-STREET LOADING UBLIC STREET OR ALLEY OR FROM ND SAFE MOVEMENT OF TRUCK EA. (§ 205–97.L) AREAS SHALL BE PERMITTED FOR AN 100 FEET TO THE ST RIGHT-OF-WAY LINE OF AN HICH, IN THE OPINION OF THE FEET TO THE NEAREST VAY TRAFFIC FOR ALL OTHER USES. TY-FIVE FEET WIDE FOR	 9. DEMOLISH AND REMOV OTHER FOUNDATION S PAVEMENT OR, BREAK DEMOLITION TO DETER BE REMOVED IN ITS E 10. ERECT AND MAINTAIN O ALL DEMOLITION OPER PERSONS. 11. REFRAIN FROM USING 12. CONDUCT DEMOLITION FACILITIES. DO NOT C AND ANY APPLICABLE BY APPLICABLE GOVER 13. USE WATERING, TEMPO SCATTERING IN THE AI RETURN ALL ADJACENT 14. ACCOMPLISH AND PER 15. COMPLETELY FILL BELL IN ACCORDANCE WITH ROOTS AND OTHER OF BE USED AS FILL. PF FILLED ARE FREE OF EXCEEDING 6 INCHES ADJACENT CONTOURS 16. REMOVE FROM THE COMBUSTIBLE SERVICE COMBUSTIBLE SERVICE SER
SIDEWALK RE A. SIDEWALK PARKING (§ 205 B. SIDEWALK A PROTE- C. SIDEWALK THE APPLICAP THE PUBLIC PRIOR TO ST. HAVE BEEN C ALL PLANS A ALL WORK SI LOCAL GOVER THE SOILS R CONFLICT SH, CONSTRUCTIO SITE CLEARIN THE PROPERT ALL DIMENSIC ENGINEER IF SHALL BE PA PLANS IF SU	S WITH A MINIMUM WIDTH OF FOU AREAS AND PRINCIPAL STRUCTURE 38.C(1)) S SHALL BE RAISED SIX INCHES A CTION TO PEDESTRIANS USING THE S AND PARKING AREAS MUST BE IT REQUESTS ANY AND ALL SUBMI HEARING TO SUPPORT SAID SUBMI ARTING CONSTRUCTION, THE CONTH IDETAINED. NO CONSTRUCTION OR F ND OTHER DOCUMENTS BY ALL OF FALL BE PERFORMED IN ACCORDAN NING AUTHORITY. EPORT AND RECOMMENDATIONS SE ALL TAKE PRECEDENCE UNLESS SF N MANAGER OF ANY DISCREPANCY G SHALL INCLUDE THE LOCATION A Y SURVEY SHALL BE CONSIDERED INS SHOWN ON THE PLANS SHALL ANY DISCREPANCIES EXIST PRIOR ID TO THE CONTRACTOR FOR WOR CH NOTIFICATION HAS NOT BEEN G TO BE DISPOSED OF BY CONTRAC ED UNSUITABLE MATERIAL MUST BE	IR FEET SHALL BE PROVIDED IN IS, ALONG AISLES AND DRIVEWA ABOVE THE PARKING AREA, EXC WALKS. (§ 205–98.C(2)) ARRANGED TO PREVENT CARS F SSION WAIVERS THAT ARE NOT SSION WAIVERS THAT ARE NOT SSION WAIVERS. RACTOR SHALL BE RESPONSIBLE ABRICATION SHALL BE RESPONSIBLE THE PERMITTING AUTHORITIES. ACTOR SHALL BE RESPONSIBLE THE PERMITTING AUTHORITIES. ICE WITH THESE PLANS AND SF T FORTH THEREIN ARE A PART PECIFICALLY NOTED OTHERWISE BETWEEN SOILS REPORT & PL AND REMOVAL OF ALL UNDERGR A PART OF THESE PLANS. BE FIELD VERIFIED BY THE CO TO PROCEEDING WITH CONSTRU K HAVING TO BE REDONE DUE SIVEN. CTOR IN ACCORDANCE WITH ALL E TRANSPORTED TO AN APPROV IG REQUIRED DURING EXCAVATIO VISIONS TO ASSURE STABILITY IRKERS COMPENSATION FMPLOY	YS AND WHEREVER PEDESTRIAN EPT WHERE CROSSING STREETS FROM EXTENDING OVER SIDEWALI SPECIFICALLY IDENTIFIED HEREIN TO MAKE SURE THAT ALL REQ THE CONTRACTOR HAS RECEIVE PECIFICATIONS AND THE REQUIRE OF THE REQUIRED CONSTRUCTION ON THE PLANS. THE CONTRACTOR ANS. ROUND TANKS, PIPES, VALVES, E INTRACTOR PRIOR TO CONSTRUCT CITION FOR NECESSARY PLAN CI TO DIMENSIONS OR GRADES SH LOCAL, STATE AND FEDERAL R ED DISPOSAL LOCATION.	TRAFFIC SHALL OCCUR. OR DRIVEWAYS, AND CURBED AS K AREAS. (§ 205–98.C(3)) I. TESTIMONY WILL BE SUPPLIED AT UIRED PERMITS AND APPROVALS ED AND THOROUGHLY REVIEWED EMENTS AND STANDARDS OF THE EMENTS AND STANDARDS OF THE ON DOCUMENTS AND IN CASE OF OR SHALL NOTIFY THE ENGINEER TTC. TION. CONTRACTOR SHALL NOTIFY HANGES. NO EXTRA COMPENSATION IOWN INCORRECTLY ON THESE EGULATIONS. IN ACCORDANCE WITH CURRENT AS FIELD CONDITIONS DICTATE. APPROPRIATE LIMITS OF	 DRAINAGE IT SHALL BE THE CON CONTRACTOR SHALL AL ROOF LEADER COLLECT IS TO BE COORDINAT SCHEDULE 40 PVC UN MANUFACTURED REINFC REINFORCED CONCRETE MORTAR OR PREFORM WHERE SPECIFICALLY II HDPE DRAINAGE PIPE PIPE SHALL HAVE GAS HAVE GASKETED SILT MANUFACTURER WHO I WITH PIPE MANUFACTUR HP DRAINAGE PIPE SH PIPE) AND ASTM F288 ASTM F477. FIELD W BE FROM A MANUFACT ACCORDANCE WITH PIPE PIPE LENGTHS ON TH ACTUAL PHYSICAL PIPE ACCORDINGLY. THIS LIGHTING PLAN ACCORDANCE WITH ILL AND PERFORMANCE O RELATED VARIABLE FIEL
2. CONTRACTOR OSHA STANDA		INTERS COMPENSATION, EMPLOY	'ERS LIABILITY INSURANCE AND / AVE THEIR CGL POLICIES ENDOR RED AND TO PROVIDE CONTRACT UMED BY THE CONTRACTORS. AI AS EVIDENCE OF THE REQUIRED E PERIOD OF CONSTRUCTION. IN MLESS DYNAMIC ENGINEERING C	SED TO NAME DYNAMIC	2. ALL EXISTING CONDITIC AND/OR ACTUAL FIEL

- FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING TION FOR SUCH DEVIATIONS FROM THE OWNER AND ENGINEER, IT SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE FROM AND IT SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO IND FROM ALL SUCH FINES AND PENALTIES, COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE
- RIPING SHALL FOLLOW THE REQUIREMENTS SPECIFIED IN THE MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES FOR PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- MENSIONS ILLUSTRATED AND LISTED ON THE SITE PLAN DRAWINGS ARE MEASURED FROM THE OUTSIDE SURFACE OF ETBACK DIMENSIONS DO NOT ACCOUNT FOR ROOF OVERHANGS, ORNAMENTAL ELEMENTS, SIGNAGE OR OTHER EXTERIOR
- ES HE HAS READ AND UNDERSTOOD THE DESIGN PHASE SOIL PERMEABILITY AND GROUNDWATER TEST RESULTS IN THE TREPORT AND THAT THE CONTRACTORS RESPONSIBILITIES INCLUDE NECESSARY PROVISIONS TO ACHIEVE THE DESIGN
- D THAT THE ENGINEER WAS NOT PROVIDED WITH FINAL FLOOR PLAN DRAWINGS FOR THE BUILDING AT THE TIME OF RESULT, ENTRANCE DOOR LOCATIONS AS DEPICTED HEREON MAY NOT BE FINAL AND MUST BE CONFIRMED WITH THE OR TO CONSTRUCTION. THE HANDICAP ACCESSIBLE PARKING SPACES AND THE ASSOCIATED RAMPS AND ACCESSIBLE I NAAC 5:23-7 AND THE HANDICAP PARKING SPACES MUST BE LOCATED AS THE NEAREST SPACES TO THE ENTRANCE WNER AND ENGINEER IMMEDIATELY OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.

NOTES

- ARE TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- I IN A SYSTEMATIC MANNER, FROM THE TOP OF THE STRUCTURE(S) TO THE GROUND.
- RK ABOVE EACH FLOOR OR TIER BEFORE DISTURBING ANY OF THE SUPPORTING MEMBERS OF THE LOWER LEVELS.
- MASONRY IN SMALL SECTIONS.
- S-ON-GRADE, UNLESS OTHERWISE DIRECTED BY OWNER.
- PMENT THROUGHOUT THE STRUCTURE AND REMOVE MATERIALS SO AS TO NOT IMPOSE EXCESSIVE LOADS ON
- RS, OR FRAMING. ERIOR SHORING, BRACING AND SUPPORTS TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE
- F FACILITIES, IF APPLICABLE). FOUNDATION WALLS, FOOTINGS AND OTHER MATERIALS WITHIN THE AREA OF THE DESIGNATED FUTURE BUILDING. ALL MS, INCLUDING BASEMENTS, SHALL BE DEMOLISHED TO A DEPTH OF NOT LESS THAN ONE FOOT BELOW PROPOSED EMENT FLOOR SLABS. SEAL ALL OPEN UTILITY LINES WITH CONCRETE. CONTRACTOR TO REVIEW STRUCTURE PRIOR TO IF BASEMENT, CRAWL SPACE OR ANY SUB-STRUCTURE EXISTS. ANY SUB-STRUCTURE, INCLUDING BASEMENTS SHALL TY OR AS DIRECTED BY OWNER.
- ERED PASSAGEWAYS IN ORDER TO PROVIDE SAFE PASSAGE FOR PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT INS IN A MANNER THAT WILL PREVENT DAMAGE AND PERSONAL INJURY TO STRUCTURES, ADJACENT BUILDINGS AND ALL
- EXPLOSIVES WITHOUT PRIOR WRITTEN CONSENT OF OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES. /ICES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF OWNER (ERNMENTAL AUTHORITIES. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRED NTAL REGULATIONS.
- ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND LEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. EAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK.
- THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME. RADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS GEOTECHNICAL REPORT. CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIAL NDING WATER, FROST, FROZEN MATERIAL, TRASH, DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT OOSE DEPTH AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM DENSITY. GRADE THE SURFACE TO MEET TO PROVIDE SURFACE DRAINAGE.
- 'EMOVED MATERIALS MAY NOT BE STORED. SOLD OR BURNED ON THE STIE. REMOVAL OF HAZARDOUS A ATORY AGENCIES AND AUTHORITIES.
- D SEAL IN CONCRETE ALL UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF ON. MARK FOR POSITION ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE LINES. MENCEMENT OF DEMOLITION SERVICES THE REQUIRED INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PPLICABLE UTILITY COMPANIES TO ENSURE THE CONTINUATION OF SERVICE.
- INTENDED TO IDENTIFY THOSE EXISTING CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE AT ALL PROCEDURES ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. RESPONSIBLE FOR ALL SAFETY PRECAUTIONS NECESSARY.
- TATE LAW, THE CONTRACTOR SHALL BE REQUIRED TO CALL UTILITY MARK OUT IN ADVANCE OF ANY EXCAVATION.
- ISIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEM VEER IN WRITING.
-) BE ABANDONED SHALL BE DISCONNECTED AND CAPPED AT E OR MAIN FOR GAS IN ACCORDANCE WITH MUNICIPAL AND
- LL BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH MUNICIPAL AND LOCAL UTILITY COMPANY REQUIREMENTS.

IOTES

- FOR'S RESPONSIBILITY TO NOTIFY UTILITY "ONE-CALL" NUMBER 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE.
- NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO MARK-OUT THEIR UTILITIES. PIPING ARE CONCEPTUAL IN NATURE AND ARE NOT FOR CONSTRUCTION. ACTUAL ROOF LEADER COLLECTION PIPING W/ ARCHITECTURAL PLANS FOR EACH INDIVIDUAL BUILDING. ALL ROOF LEADER COLLECTION PIPING SHALL BE OTHERWISE DESIGNATED
- CONCRETE STORM PIPE TO CONFORM TO ASTM C-76, CLASS III, UNLESS OTHERWISE DESIGNATED. MANUFACTURED LIPTICAL STORM PIPE TO CONFORM TO ASTM C-507, CLASS HE-III, UNLESS OTHERWISE DESIGNATED. REINFORCED PIPE TO BE INSTALLED IN ACCORDANCE WITH AMERICAN CONCRETE PIPE ASSOCIATION INSTALLATION GUIDELINES AND EXIBLE JOINT SEALANTS IN ACCORDANCE WITH ASTM C 990 TO BE UTILIZED TO PROVIDE A SILT—TIGHT JOINT TED, REINFORCED CONCRETE STORM PIPE JOINTS SHALL BE WATERTIGHT AND CONFORM TO ASTM C-443.
- HAVE A SMOOTH WALL INTERIOR WITH ANNULAR EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2306. SOLID) WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM D3212. PERFORATED PIPE SHALL JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM F477. HDPE PIPE SHALL BE FROM A EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HDPE PIPE AND INSTALLED IN ACCORDANCE COMMENDATIONS.
- IAVE A SMOOTH WALL INTERIOR WITH ANNULAR EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2736 (12"-30" "-60" PIPE). PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM D3212 AND
- IIGHTNESS PÉRFORMANCE VERIFICATION MAY BE ACCOMPLISHED IN ACCORDANCE WITH ASTM F2487. HP PIPE SHALL WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HP STORM PIPE AND INSTALLED IN IANUFACTURER RECOMMENDATIONS. LAN HAVE BEEN MEASURED AS THE DISTANCE BETWEEN THE CENTER POINT OF THE 2 CONNECTED STRUCTURES.
- LENGTH FOR INSTALLATION IS EXPECTED TO BE LESS AND SHOULD BE ACCOUNTED FOR BY THE CONTRACTOR

OTES

- STRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN NATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS CONDITIONS.
- UMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES IEASUREMENTS TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT ONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD
- XIMATF.
- LLED A MINIMUM OF 2 FEET BEHIND GUIDERAIL POSTS.
- EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
- PLANS FOR SITE LIGHTING DIAGRAM.

GENERAL NOTES

25. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN IN THE CONSTRUCTION MEANS OR METHODS, COORDINATION OF THE WORK WITH OTHER TRADES OR CONSTRUCTION SAFETY PRECAUTIONS, ALL OF WE HOUS, COORDINATION OF THE WORK WITH OTHER TRADES OR CONSTRUCTION SAFETT PRECADITIONS, ALL OF ONSIBILITY OF THE CONTRACTOR. DYNAMIC ENGINEERING'S REVIEW SHALL BE CONDUCTED WITH REASONABLE OF SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT DYNAMIC P.C. HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. DYNAMIC ENGINEERING NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO THE INEERING CONSULTANTS, P.C. IN WRITING BY THE CONTRACTOR. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL W PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED. NY CONFLICTS THAT ARISE DURING THE DESIGN AND CONSTRUCTION OF THE PROJECT OR FOLLOWING THE , DYNAMIC ENGINEERING CONSULTANTS, P.C. AND THE CONTRACTOR MUST AGREE THAT ALL DISPUTES BETWEEN LATING TO THIS AGREEMENT OR THE PROJECT SHALL BE SUBMITTED TO NONBINDING MEDIATION UNLESS THE

CLUDE A MEDIATION PROVISION IN ALL AGREEMENTS WITH INDEPENDENT SUBCONTRACTORS AND CONSULTANTS T AND TO REQUIRE ALL INDEPENDENT CONTRACTORS AND CONSULTANTS ALSO TO INCLUDE A SIMILAR MEDIATION INTS WITH THEIR SUBCONTRACTORS, SUBCONSULTANTS, SUPPLIERS AND FABRICATORS, THEREBY PROVIDING FOR METHOD FOR DISPUTE RESOLUTION BETWEEN THE PARTIES TO ALL THOSE AGREEMENTS.

ING MEMBERS AND LOWER THEM TO THE GROUND BY MEANS OF HOISTS, DERRICKS OR OTHER SUITABLE METHODS.

MATTER. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION MAY NOT) PLACEMENT OF FILL MATERIALS, UNDERTAKE ALL NECESSARY ACTION IN ORDER TO ENSURE THAT AREAS TO BE

LL THE BOARD OF PUBLIC UTILITIES ONE CALL DAMAGE
MENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE
T THE MAIN FOR WATER, AT THE CLEAN-OUT FOR SEWER LOCAL UTILITY REQUIREMENTS.

UTILITY NOTES

LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF 12. THE CONTRACTOR IS RESPONSIBLE FOR AS-BUILT PLANS AND GRADE CONTROL UNLESS DEFINED OTHERWISE ELSEWHERE IN THE CONTRACT CONNECTION) AND PROGRESS UP GRADIENT INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND LITUITIES SHALL BE FIELD VERIFIED BY DOCUMENTS. CONNECTION) AND PROGRESS UP GRADIENT. INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UTILITY "ONE–CALL" NUMBER 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO MARK-OUT THEIR UTILITIES.

REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS. WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE SAME. SERVICE SIZES TO BE DETERMINED BY ARCHITECT.

4. WATER SERVICE MATERIALS SHALL BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTORS PRICE FOR WATER SERVICE SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE A COMPLETE WORKING SERVICE. 5. ALL WATER MAIN SHALL BE CEMENT-LINED, CLASS 52 DUCTILE IRON PIPE, UNLESS OTHERWISE DESIGNATED.

6. THE MINIMUM DIAMETER FOR DOMESTIC WATER SERVICES SHALL BE 1 INCH.

. SEWER MAINS SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY, WHERE THIS IS NOT POSSIBLE. THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SEWER MAIN AT LEAST 18 INCHES BELOW THE WATER MAIN. ALL SEWER MAINS SHALL BE SDR-35 PVC PIPE UNLESS OTHERWISE DESIGNATED.

8. ALL SEWER PIPE INSTALLED WITH LESS THAN 3 FEET OF COVER, GREATER THAN 20 FEET OF COVER OR WITHIN 18 INCHES OF A WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE. ALL DUCTILE IRON SEWER PIPE SHALL BE CEMENT-LINED, CLASS 52 PIPE, FURNISHED WITH SEWER COAT, OR APPROVED EQUAL. 9. WHERE SANITARY SEWER LATERALS ARE GREATER THAN 10' DEEP AT CONNECTION TO THE SEWER MAIN, CONCRETE DEEP LATERAL CONNECTIONS

ARE TO BE UTILIZED. 10. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILIZATION OF THE EXISTING SEWER MAIN, STRUCTURES AND APPURTENANCES DURING CONNECTION. 11. LOCATION & LAYOUT OF GAS, ELECTRIC & TELECOMMUNICATION UTILITY LINES AND SERVICES SHOWN ON THESE PLANS ARE SCHEMATIC IN NATURE ACTUAL LOCATION & LAYOUT OF THESE UTILITIES & SERVICES ARE TO BE PER THE APPROPRIATE UTILITY PROVIDER.

12. ALL SEWER AND WATER FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATORY AUTHORITY'S RULES AND REGULATIONS.

13. ALL PROPOSED UTILITIES TO BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.

EXISTING UTILITY NOTES

EXISTING WATER SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING WATER SERVICE CONNECTION IF FEASIBLE. OTHERWISE REMOVE EXISTING WATER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL WATER COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL WATER COMPANY PRIOR TO COMPLETION. IF THE EXISTING WATER SERVICE CAN NOT BE UTILIZED, THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL WATER COMPANY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

EXISTING GAS SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING GAS SERVICE CONNECTION IF FEASIBLE. OTHERWISE REMOVE EXISTING GAS SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL GAS COMPANY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL GAS COMPANY PRIOR TO COMPLETION. ANY NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL GAS COMPANY. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

SANITARY SEWER SERVICE NOTE: CONTRACTOR TO LOCATE AND UTILIZE EXISTING SEWER SERVICE CONNECTION IF OF ADEQUATE SIZE AND INTEGRITY AND ACCEPTABLE TO LOCAL SEWER AUTHORITY. OTHERWISE CONTRACTOR TO REMOVE EXISTING SEWER SERVICE LINE AND CAP AT MAIN IN R.O.W. IN ACCORDANCE WITH THE LOCAL SEWER AUTHORITY REQUIREMENTS. TERMINATION AT THE MAIN MUST BE APPROVED BY THE LOCAL SEWER AUTHORITY PRIOR TO COMPLETION. IF EXISTING SEWER SERVICE CAN NOT BE UTILIZED THEN THE NEW SERVICE IS TO BE COORDINATED AND VERIFIED FOR LOCATION WITH THE LOCAL SEWER AUTHORITY. CONTRACTOR SHALL OBTAIN ALL REQUIRED STREET OPENING PERMITS FOR REMOVAL OF EXISTING SERVICE AND INSTALLATION OF NEW SERVICE.

PLANTING NOTES

. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED; INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND

- . THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
- 4. CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.
- 5. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISION SHALL BE MADE FOR A GROWTH CUARANTEE OF AT LEAST ONE (1) YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE. 6. INSOFAR AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD / DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.
- 7. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60.1 (REV. 2001) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
- 8. ALL PLANTS SHALL BE PLANTED IN AMENDED TOPSOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS
- SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
- 10. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH 'WILT-PRUF' OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS. GNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS, RUBBISH, SALVAGEABLE ITEMS, HAZARDOUS AND 11. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
- SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR 12. SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH I ATORY ACENCIES AND AUTHORITIES 13. ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING UTILIZING CLEAN, SHARP TOOLS. IT IS ADVISABLE TO PRUNE
 - APPROXIMATELY 1/3 OF THE GROWTH OF LARGE TREES (2" CALIPER AND OVER) BY THE REMOVAL OF SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES WILL NOT BE CUT BACK. LONG SIDE BRANCHES, HOWEVER, MUST BE
 - 14. EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
 - 15. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES AS A RESULT OF CONSTRUCTION OPERATIONS. ALL EXISTING TREES SHALL BE FERTILIZED WITH A REGULAR GARDEN FERTILIZER (5–10–5) UPON COMPLETION OF WORK. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE TRUNK. CONTRACTOR TO ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH SHARP TOOLS AND FILLED AROUND WITH TOPSOIL. COMPLETELY SATURATE THESE AREAS WITH WATER. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR IS TO PROTECT ALL EXISTING TREES TO REMAIN BY ERECTING TREE PROTECTION FENCE AT THE DRIP LINE. THIS WILL ENSURE NO COMPACTION OF THE ROOT MASS.
 - 16. ALL PLANTING BEDS SHALL BE MULCHED WITH 4" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
 - 17. NEW PLANTING AREAS AND SOD SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.
 - 8. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED LANDSCAPE PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE MUNICIPAL LANDSCAPE ARCHITECT. THE MUNICIPAL ENGINEER AND LANDSCAPE ARCHITECT SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER AS REQUIRED BY OR ASSOCIATED WITH A SUBDIVISION OR SITE PLAN APPROVAL BY THE PLANNING BOARD OR ZONING BOARD OF ADJUSTMENT SHALL BE INSTALLED DURING THE FOLLOWING PLANTING SEASONS: DATES

<u> </u>	DATES
PLANTS	3/15 TO 12/15
LAWN	3/15 TO 6/15
	9/15 TO 12/1
RTHERMORE, THE FOLLOWING TREE VARIETI TH DIGGING THESE TREES IN THIS SEASON.	ES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED
ACER RUBRUM BETULA VARIETIES CARPINUS VARIETIES CRATAEGUS VARIETIES	POPULUS VARIETIES PRUNUS VARIETIES PYRUS VARIETIES QUERCUS VARIETIES

CARPINUS VARIETIES CRATAFGUS VARIETIES	QUERCUS VARIETIES
KOELREUTERIA	SALIX WEEPING VARIETIES
LIQUIDAMBAR STYRACIFLUA	TILIA TOMENTOSA
LIRIODENDRON_TULIPIFERA	ZELKOVA VARIETIES
PLATANUS ACERFOLIA	
PLANTINGS INSTALLED IN CONFLICT	WITH THIS REQUIREMENT MUST F

RECEIVE THE WRITTEN APPROVAL BY THE MUNICIPAL ENGINEER OF ANY F LANDSCAPE ARCHITECT, PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SODDING OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION PURPOSES. THE PLANTING ASSOCIATED WITH ANY LOT GIVEN A CERTIFICATE OF OCCUPANCY OUTSIDE THESE PERIODS SHALL BE PROVIDED DURING THE PREVIOUS OR NEXT APPROPRIATE SEASON.

19. ALL DISTURBED AREAS TO BE TREATED WITH TOPSOIL SEED SOD STABILIZATION METHOD.

GRADING NOTES

- PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE 1. SIE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER <u>A.S.T.M. TEST D-1557</u>. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS DERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.
- 2. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MIN. SLOPE AGAINST ALL ISLAND GUTTERS, CURBS AND 1.0% ON AL ONCRETE SURFACES, AND 1–1/2% MIN. ON ASPHALT, TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY EFFECT THE PUBLIC SAFETY OR ROJECT COST, MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITH DESIGN DISCREPANCIES IS DONE SO AT THE CONTRACTOR'S OWN RISK.
- 3. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MIN. OF 0.75% GUTTER GRADE ALONG CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION. 4. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE
- BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD). 5. REFER TO SITE PLAN FOR ADDITIONAL NOTES.
- 6. IN CASE OF DISCREPANCIES BETWEEN PLANS, THE SITE PLAN WILL SUPERCEDE IN ALL CASES. CONTRACTOR MUST NOTIFY ENGINEER OF RECORD OF ANY CONFLICT IMMEDIATELY. 7. MAXIMUM CROSS SLOPE OF 2% ON ALL SIDEWALKS.
- 8. CONTRACTOR TO ENSURE A MAXIMUM OF 2% SLOPE IN ALL DIRECTIONS IN ADA PARKING SPACES AND ADA ACCESS AISLES. CONTRACTOR TO ENSURE A MAXIMUM OF 5% RUNNING SLOPE AND 2% CROSS SLOPE ALONG ALL OTHER PORTIONS OF ACCESSIBLE ROUTE, WITH THE EXCEPTION OF RAMPS AND CURB RAMPS. CONTRACTOR SHALL CLARIFY ANY QUESTIONS CONCERNING CONSTRUCTION IN ADA AREAS WITH THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- 9. THE OWNER SHALL RETAIN DYNAMIC EARTH, LLC (908–879–7095) OR ALTERNATE QUALIFIED GEOTECHNICAL ENGINEER TO TEST SOIL PERMEABILITY AND PROVIDE CONSTRUCTION PHASE INSPECTIONS OF THE BASIN BOTTOM SOILS AND ANY FILL MATERIALS WITHIN ANY PROPOSED INFILTRATION OR RETENTION BASIN TO COMPARE RESULTS TO DESIGN CRITERIA.
- 10. CONTRACTOR IS TO REMOVE EXISTING UNSUITABLE OR OVERLY COMPACT SOIL OR ROCK AS NEEDED TO ACHIEVE REQUIRED PERMEABILITY AS DIRECTED BY THE OWNERS GEOTECHNICAL ENGINEER, AND NEW FILL, IF NEEDED, SHALL HAVE AN IN PLACE PERMEABILITY GREATER THAN OR EQUAL TO THE DESIGN CRITERIA.

CONFIRM THE CONTRACTOR'S PROPOSED MEANS AND MATERIALS AND TO SCHEDULE INSPECTIONS FOR BOTTOM OF BASIN, REMOVAL OF UNSUITABLE SOIL, FILL PLACEMENT, AND FINAL BASIN PERMEABILITY TESTING.

PLANTING SPECIFICATIONS

- 1. SCOPE OF WORK
- MATERIALS
- D. MULCH FOUR (4") INCHES DOUBLE SHREDDED HARDWOOD BARK MULCH. 3. FERTILIZER AND SOIL CONDITIONER – PLANTED AREAS A. ORGANIC FERTILIZER – SHALL BE PROCESSED SEWER SLUDGE WITH MINIMAL CONTENT OF 1% NITROGEN AND 2% PHOSPHORIC ACID, EQUAL TO 'NITROHUMIS'.
- GUARANTEED ANALYSIS (5-3-1): NITROGEN 5%. PHOSPHATE 3%, POTASH 1%. 50% HUMUS AND 15% HUMIC ACIDS. GENERAL WORK PROCEDURES
- A. LANDSCAPE WORK SHALL COMMENCE AS SOON AS THOSE PORTIONS OF THE SITE ARE AVAILABLE. CONTRACTOR TO UTILIZE WORKMANLIKE CLEAN AT THE END OF EACH DAYS WORK.
- WEEDING A. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- TOPSOILING A. CONTRACTOR TO PROVIDE A 4" THICK TOPSOIL LAYER IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE GROWING MEDIUM.
- 7. SOIL CONDITIONING: 20 POUNDS 'GRO-POWER' 100 POUNDS AGRICULTURAL GYPSUM
- 20 POUNDS NITROFORM (COURSE) 38-0-0 BLUE CHIP SOIL MODIFICATIONS:
- C. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.
- 21 GRAM 'AGRIFORM' PLANTING TABLETS AS FOLLOWS: 2 TABLETS PER 1 GAL. PLANT 3 TABLETS PER 5 GAL. PLANT 4 TABLETS PER 15 GAL. PLANT

- F. PRUNE ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS TO A MIN. OF 7' BRANCHING HEIGHT. 9. GROUND COVER A. ALL GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING GROUND COVER.
 B. SPACING AND VARIETY OF GROUND COVER SHALL BE AS SHOWN ON DRAWINGS.
 C. IMMEDIATELY AFTER PLANTING GROUND COVER, CONTRACTOR SHALL THOROUGHLY WATER GROUND COVER.
 D. ALL GROUND COVER AREAS SHALL BE TREATED WITH A PRE-EMERGENT BEFORE FINAL LANDSCAPE INSPECTION. GROUND COVER AREAS SHALL
- 10. FINISH GRADING
- GUARANTE
- 13. MAINTENANCE (ALTERNATE BID) COST PER MONTH AFTER INITIAL 90-DAY MAINTENANCE PERIOD.

11. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO ONSET OF CONSTRUCTION TO SUBMIT AND

A. THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.

A. GENERAL - ALL MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION (D.O.T.) MANUAL OF ROADWAY AND BRIDGE CONSTRUCTION (LTEST EDITION) OR APPROVED EQUAL.
 B. PLANTS - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS.
 C. TOPSOIL - LOAMY SILT, HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, pH RANGE BETWEEN 4.5 - 7, BE FREE OF DEBRIS, ROCKS LARGER THAN TWO INCHES (2"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.

B. ORGANIC FERTILIZER AND SOIL CONDITIONER – SHALL BE 'GRO– POWER' AND ORGANIC BASE MATERIALS COMPRISED OF DECOMPOSED ANIMAL AND VEGETABLE MATTER AND COMPOSTED TO SUPPORT BACTERIAL CULTURES, CONTAINING NO POULTRY OR HUMAN WASTE

STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH DAY'S YORK, ALL DEBRIS, MATERIALS, AND TOOLS SHALL BE PROPERLY STOCKPILED OR DISPOSED OF. ALL PAVED SURFACES SHALL BE SWEP

IN A UNIFORM LAYER TO PRODUCE A 4" UNSETTLED THICKNESS. TOPSOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO FURNISH AN ANALYSIS OF ON-SITE TOPSOIL UTILIZED IN ALL PLANTING AREAS. ADJUST PH AND

A. CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. SPREAD EVENLY IN ALL PLANTING AREAS AND TILL (2 DIRECTIONS) INTO TOP 4" WITH THE FOLLOWING PER 1,000 SQ. FT.:

. THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO WATER AND NUTRIENTS. USE COMPOSTED BARK, RECYCLED YARD WASTE OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5 B. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING ON RAISED MOUNDS OR BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES.

PLANTING
 POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
 A. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACK FILLED WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:

 PART PEAT MOSS BY VOLUME
 PART COW MANURE BY VOLUME
 PARTS TOPSOIL BY VOLUME
 COM MANURE DY VOLUME

LARGER PLANTS (2) TWO TABLETS PER 1/2" DIAM. OF TRUNK CALIPER

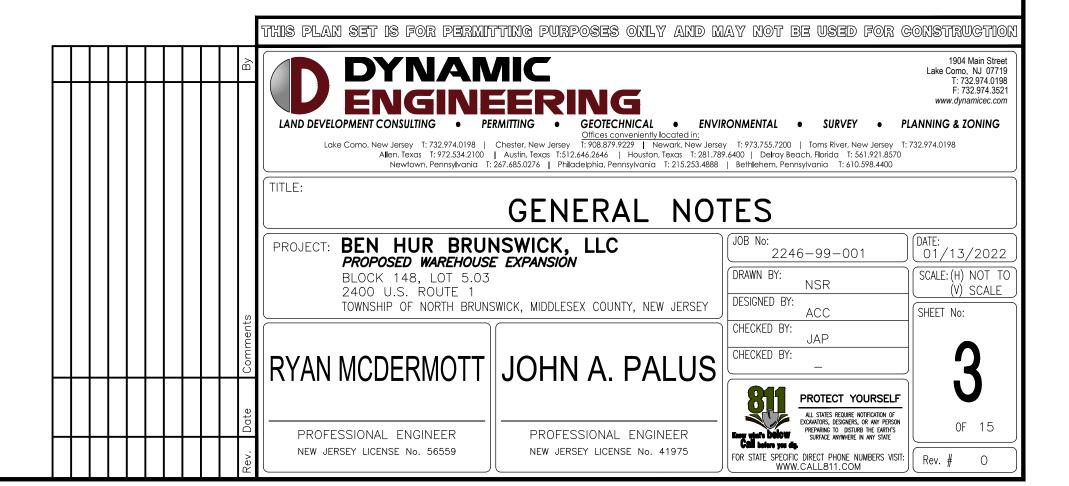
B. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT 1/2 WAY, AND INSERT PLANT TABLETS. COMPLETE BACK FILL AND WATER THOROUGHLY.
C. ALL PLANTS SHALL BE SET SO THAT, THEY BEAR THE SAME RELATION TO THE REQUIRED GRADE AS THEY BORE TO THE NATURAL GRADE BEFORE BEING TRANSPLANTED.
D. PREPARE RAISED EARTH BASIN AS WIDE AS PLANTING HOLE OF EACH TREE.
E. WATER IMMEDIATELY AFTER PLANTING, WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACK FILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.
D. PREPARE ALL DEPORTED THE PLANTING HOLE ARE THOROUGHLY SATURATED.

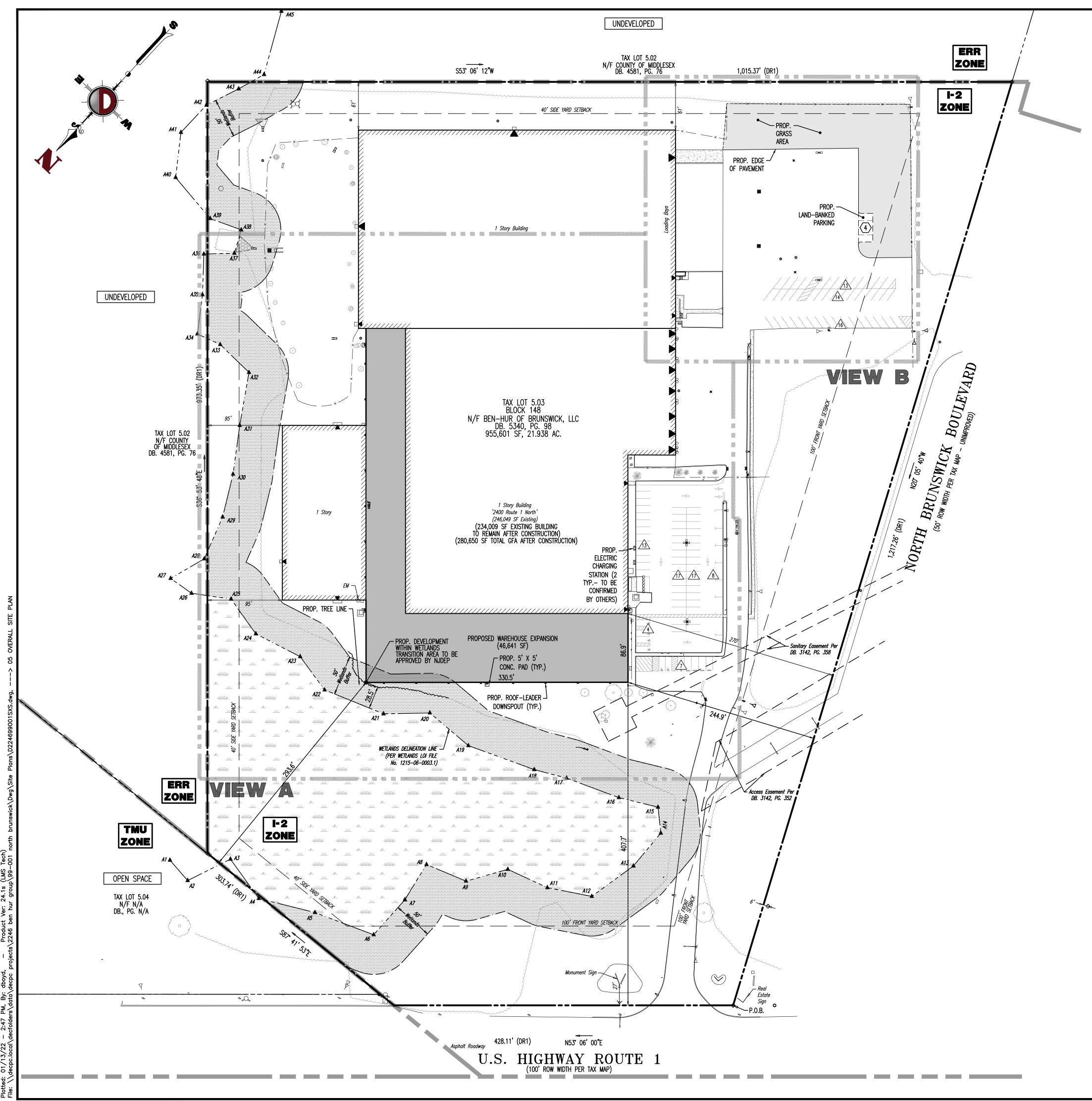
BE WEEDED PRIOR TO APPLYING PRE-EMERGENT. PRE-EMERGENT TO BE APPLIED AS PER MANUFACTURER'S RECOMMENDATION.

A. ALL AREAS WILL BE RECEIVED BY THE CONTRACTOR AT SUBSTANTIALLY PLUS/MINUS .1 FOOT OF FINISH GRADE.
 B. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. SOIL AREAS ADJACENT TO THE BUILDINGS SHALL SLOPE AWAY.
 C. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.

A. CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM ACCEPTANCE OF JOB. OWNER TO SECURE / MAINTENANCE BOND FROM THE CONTRACTOR FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL E RELEASED AT THE COMMENCEMENT OF THE GUARANTEE PERIOD AND PASSES A FINAL INSPECTION BY THE OWNER OR OWNER

. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE. THE CONTRACTOR SHALL REMOVE ALL MATERIAL. A. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
 B. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS. TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY WITH HERBICIDE AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.
 C. MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.





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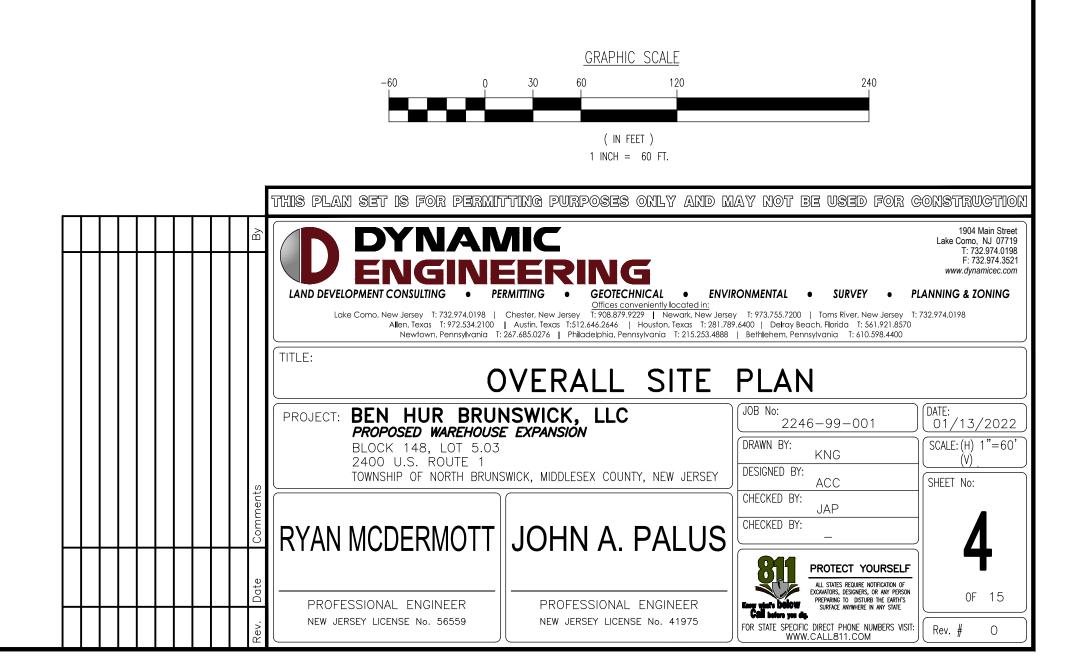
GENERAL NOTES

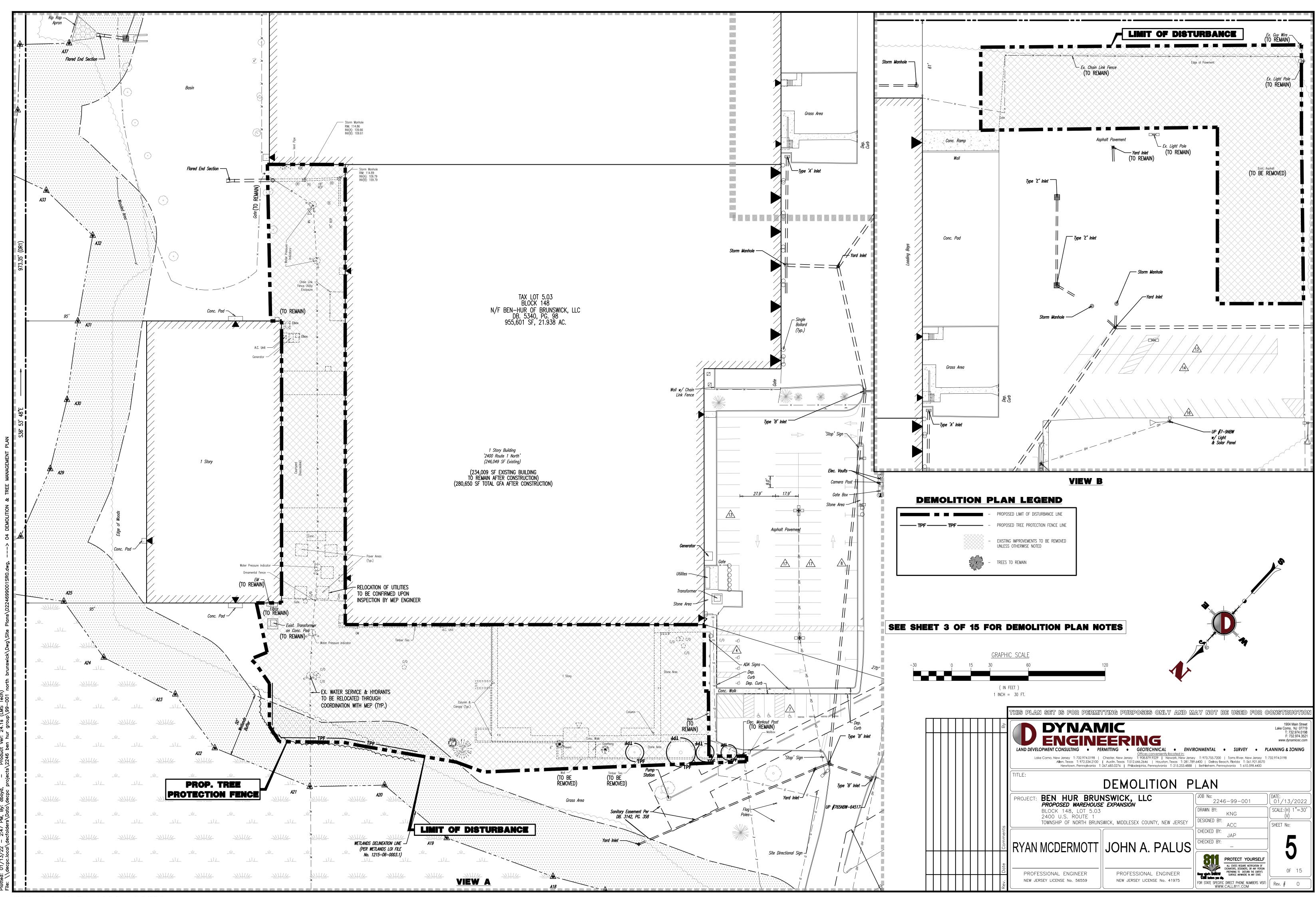
1. THIS PLAN HAS BEEN PREPARED BASED ON REFERENCES INCLUDING:

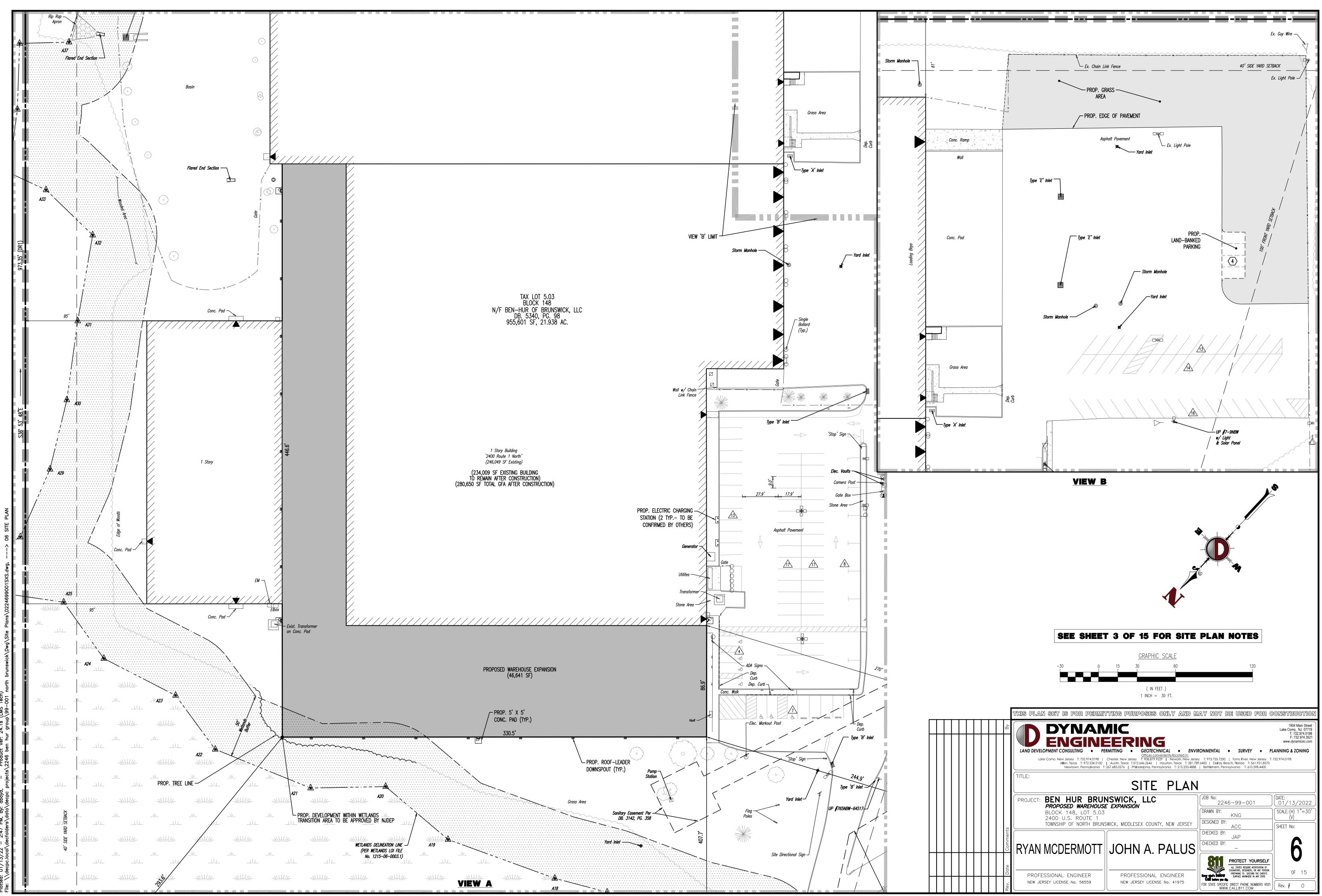
		BOUNDARY AND TOPOGRAPHIC PREPARED BY DYNAMIC SURVE 1904 MAIN STREET LAKE COMO, NJ 07719 SURVEY FILE NO: 2246–99–0 DATED 03/31/2020, LAST REV	Y, LLC 01S		
2	. OWNER/APPLICANT:	BEN HUR BRUNSWICK, LLC 463 7TH AVENUE 21ST FLOOR NEW YORK, NY 10018			
3	. PARCEL DATA:	BLOCK 148, LOT 5.03 2400 ROUTE 1 TOWNSHIP OF NORTH BRUNSW MIDDLESEX COUNTY, NJ	lick		
4	ZONE:	I-2 (INDUSTRIAL DISTRICT) ZO	NE		
5	. EXISTING USE:	MULTIPURPOSE WAREHOUSE DI	ISTRIBUTION FACILITY (PERMITT	ED USE)	
6	. PROPOSED USE:	EXPANSION TO MULTIPURPOSE	WAREHOUSE DISTRIBUTION FA	CILITY (PERMITTED USE)	
7	7. SCHEDULE OF ZONING REQUIREMENTS (§ 205 ATTACHMENT 6)				
	ZONE REQUIREMENT	Γ	I-2 ZONE	EXISTING	
			7 40	055 601 CE (21 04 40)	

ZONE REQUIREMENT	I-2 ZONE	EXISTING	PROPOSED
MINIMUM LOT AREA	3 Ac	955,601 SF (21.94 AC.)	955,601 SF (21.94 AC.)
MINIMUM LOT WIDTH	350 FT	721.6 FT	721.6 FT
MINIMUM LOT FRONTAGE	N/S	428.1 FT	428.1 FT
MINIMUM LOT DEPTH	100 FT	973.3 FT	973.3 FT
MINIMUM FRONT YARD SETBACK	100 FT	270.0 FT	244.9 FT
MINIMUM REAR YARD SETBACK	75 FT	N/A	N/A
MINIMUM SIDE YARD SETBACK	40 FT	61.0 FT	61.0 FT
MINIMUM COMBINED SIDE YARD SETBACK (PRINCIPAL BUILDING)	80 FT	156.0 FT	156.0 FT
MAXIMUM BUILDING HEIGHT	3 STORIES OR 40 FT	± 43 FT (E)	± 43 FT (E) (EXPANSION AREA= 40 FT)
MAXIMUM LOT COVERAGE (BY PRINCIPAL BUILDINGS)	40%	25.7% (246,049 SF)	29.4% (280,650 SF)
MAXIMUM IMPERVIOUS COVERAGE	80%	43.2% (413,007 SF)	43.2% (413,003 SF)
N/S: NO STANDARD N/A: NOT APPLICABLE (E): EXISTING NON-CONFORMANCE (V): VARIANCE			

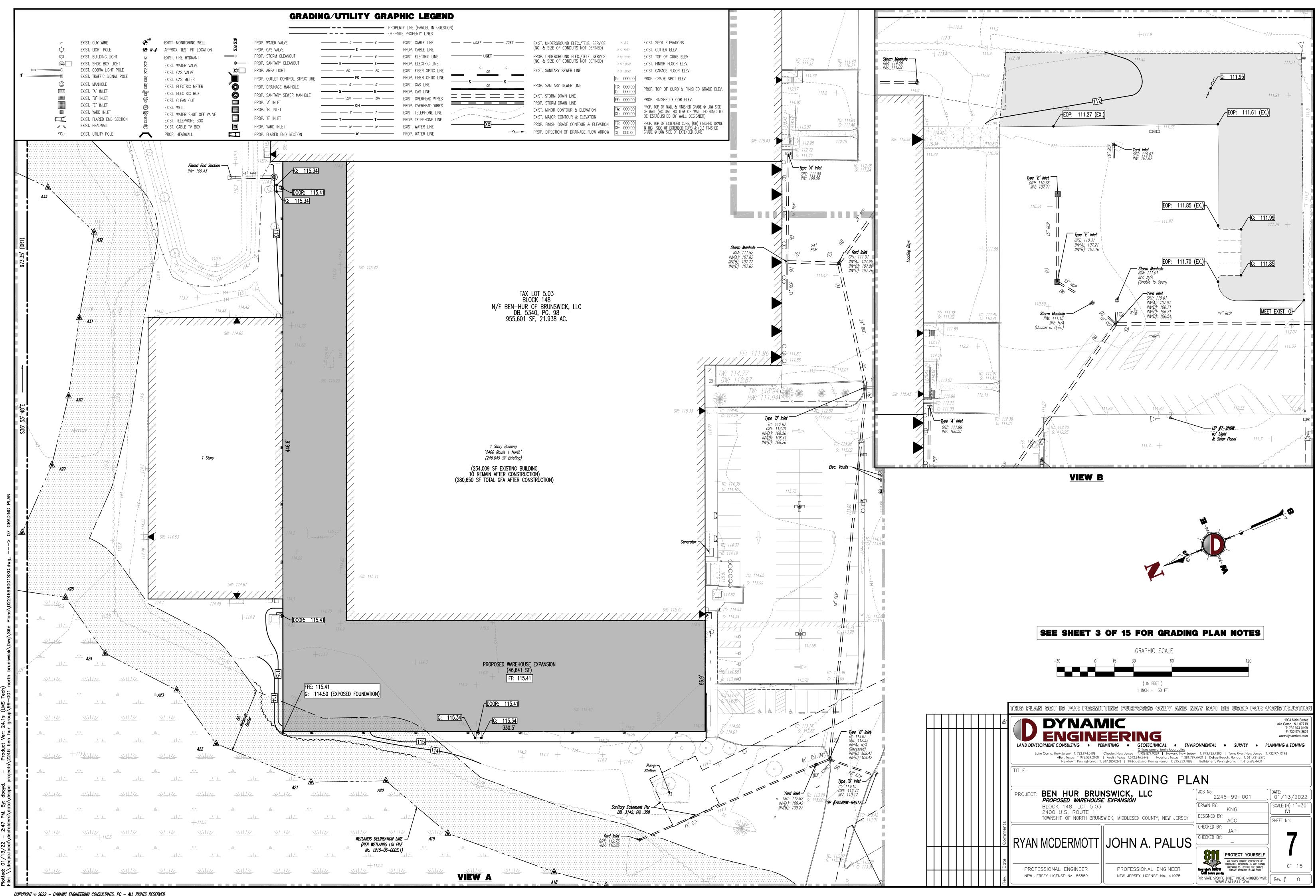
SEE SHEET 3 OF 15 FOR SITE PLAN NOTES

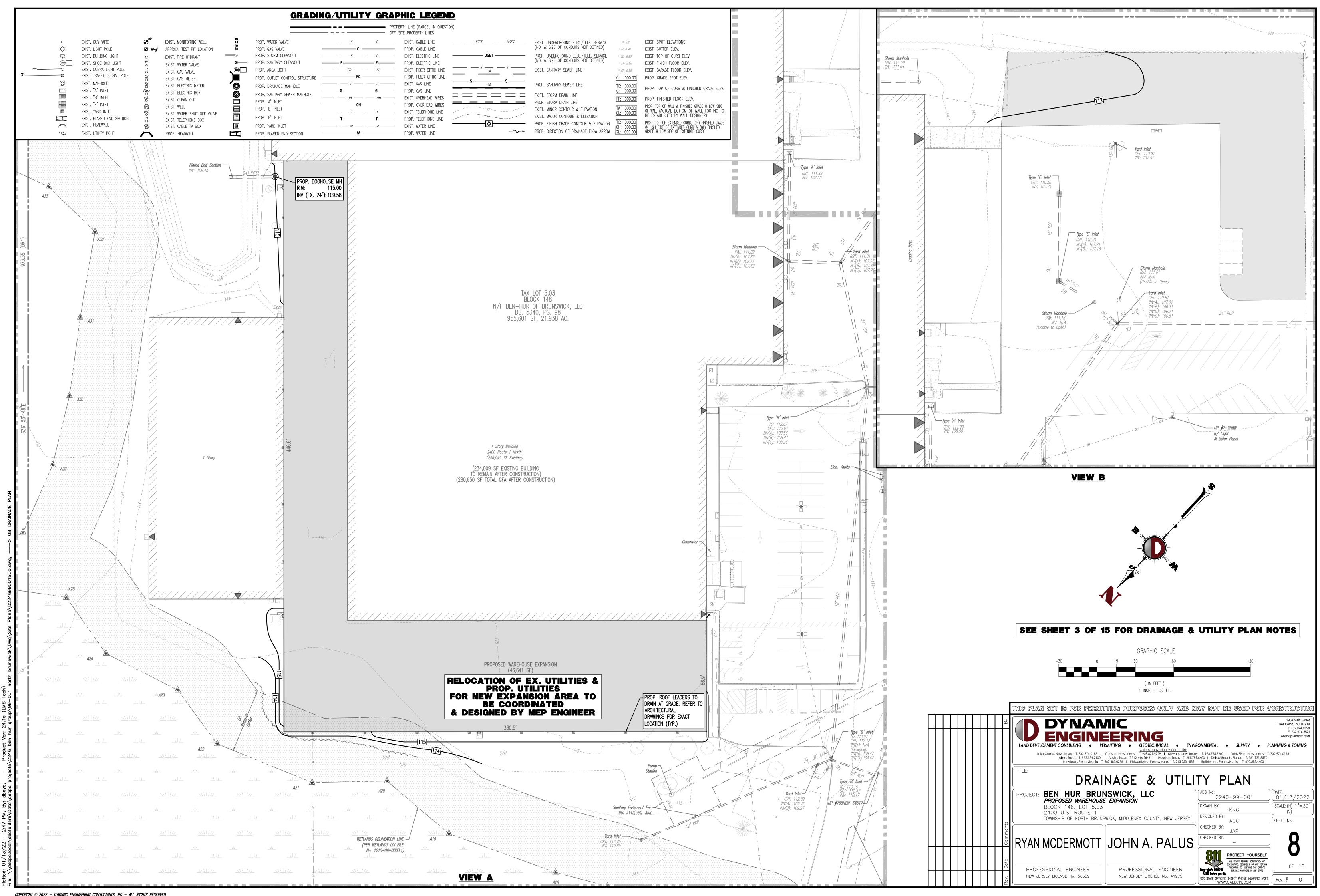


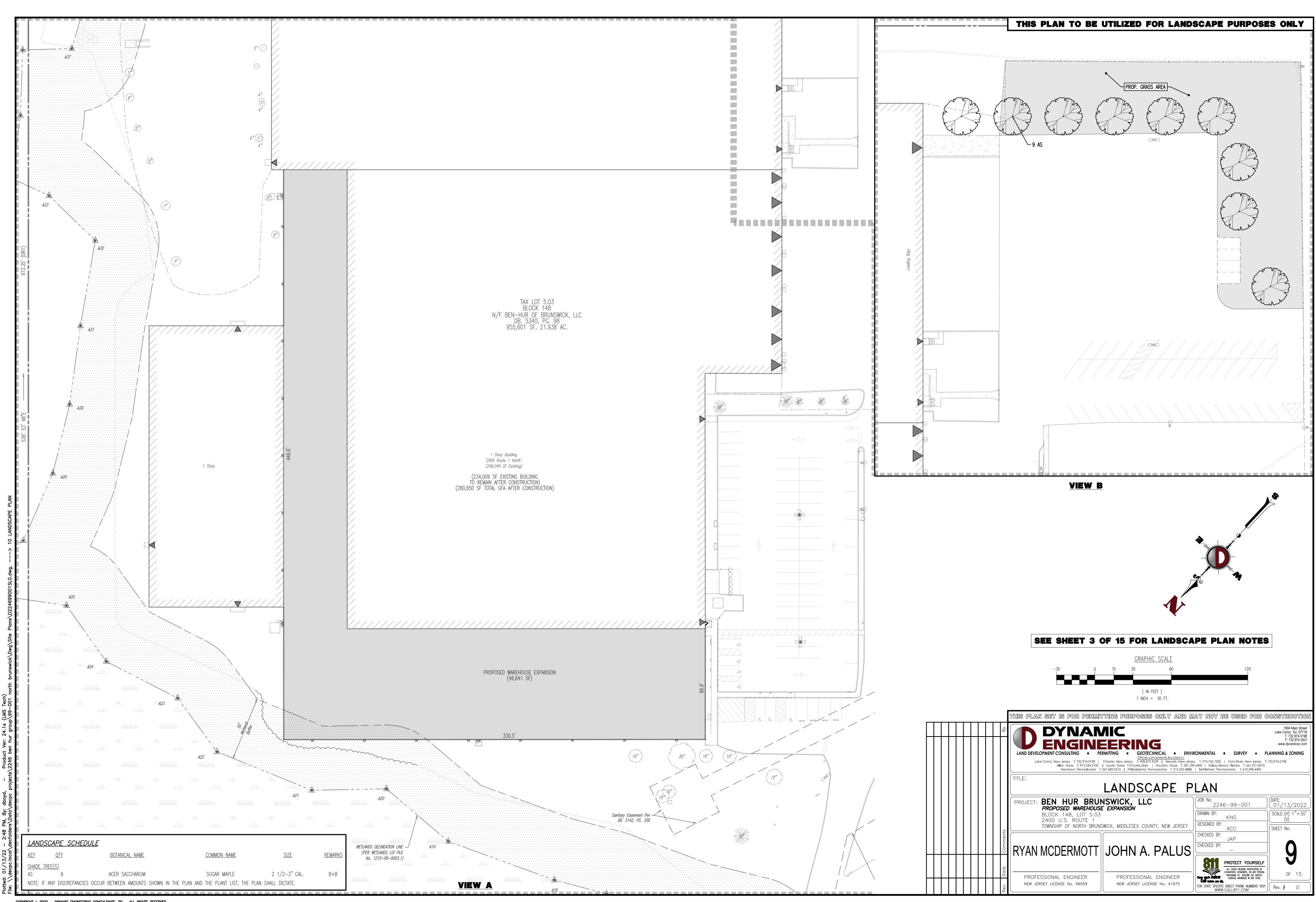


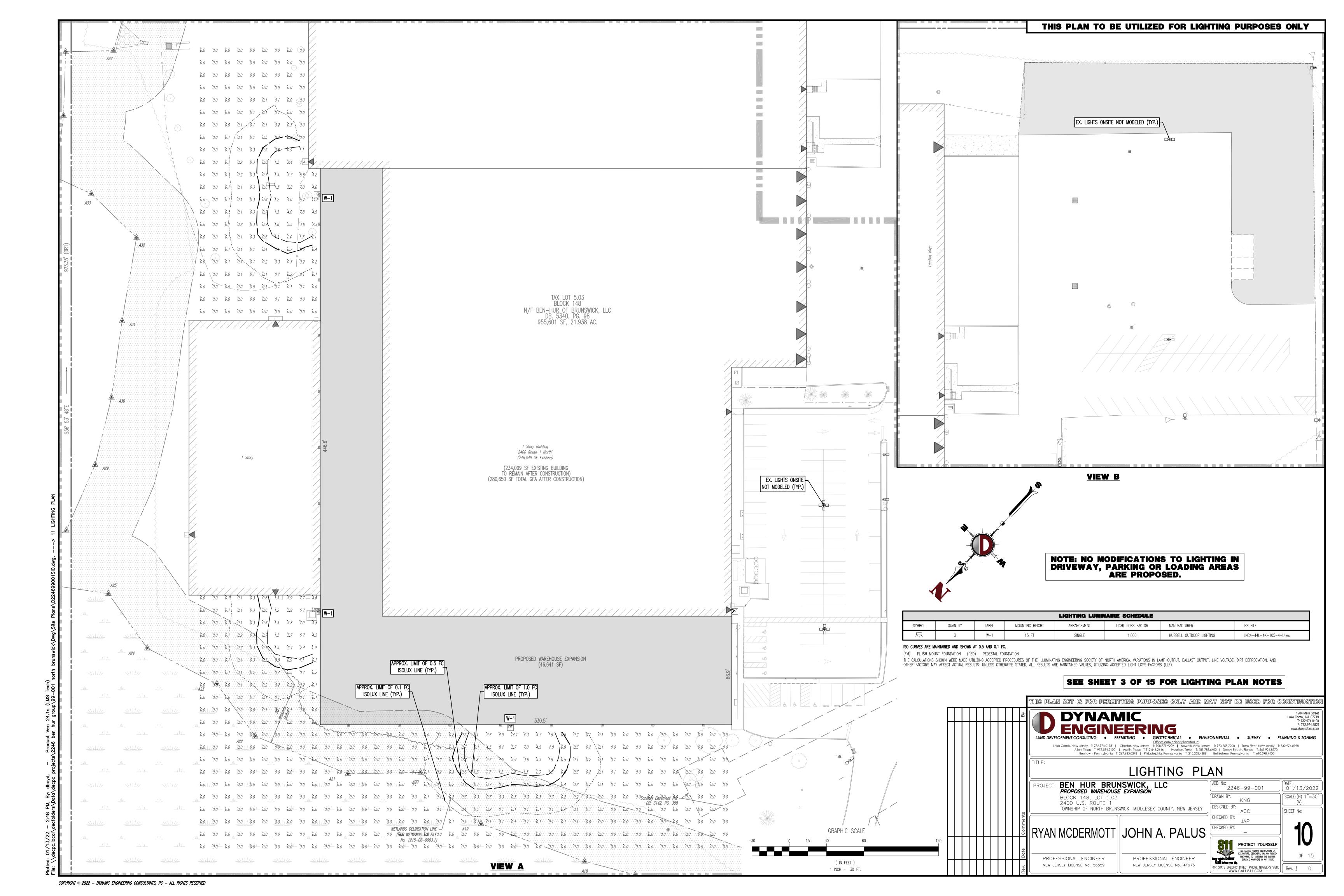


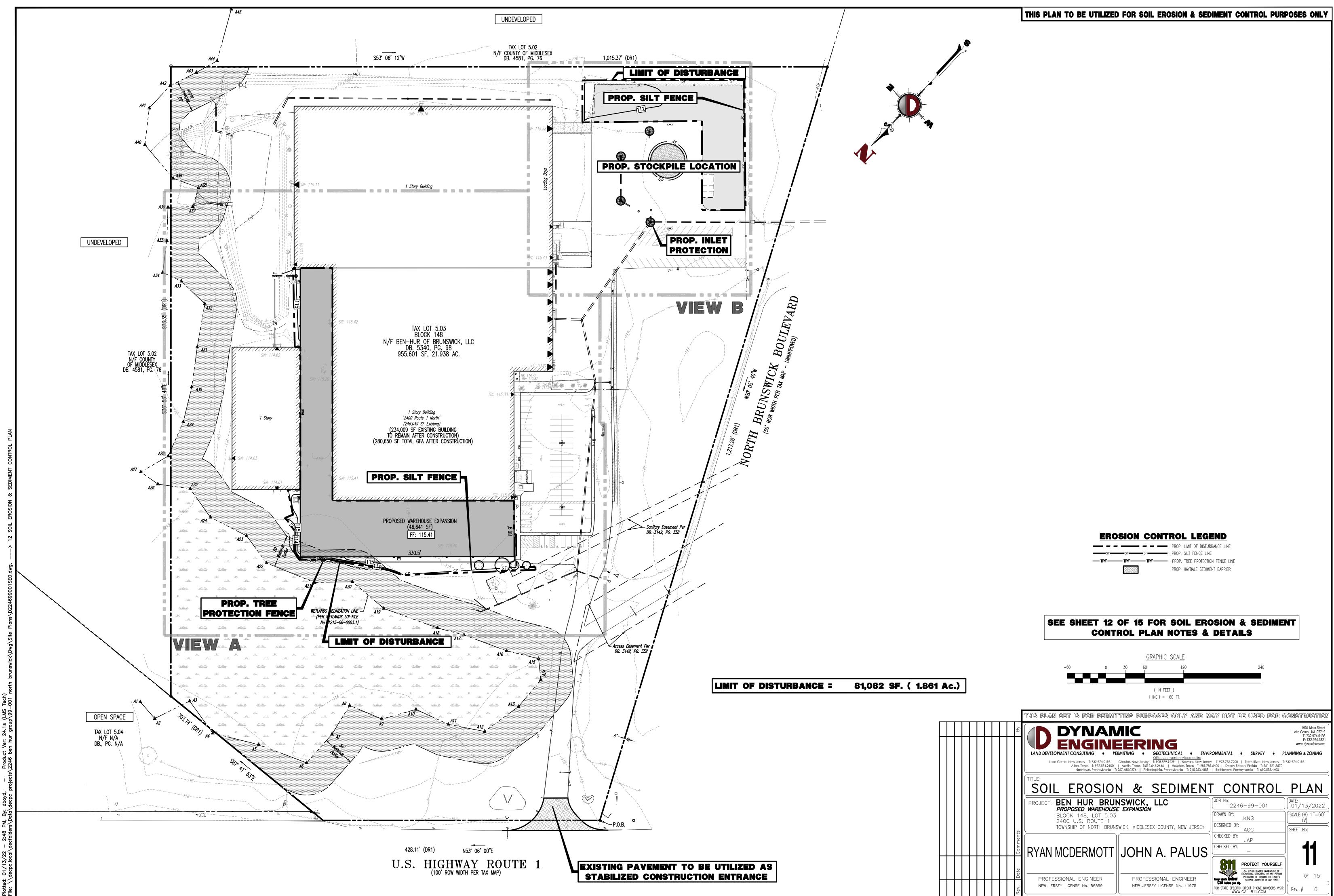
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FREEHOLD SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE FREEHOLD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.

- 2. 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
- 3. 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. 4. 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 FROSION 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. 5. 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 1/2 TONS PER ACRE ACCORDING TO THE STANDARD FOR STABILIZATION WITH MULCH ONLY
- 6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. SOIL STOCKPILES, STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE FOULVALENT, AND A MULCH ANCHOR, IN ACCORDANCE WITH STATE STANDARDS.
- 7. 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
- 8. 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 ACCESS 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.
- 0. 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 OPERATIONAL. 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.
- 7. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #618. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

STABILIZATION SPECIFICATIONS **TEMPORARY SEEDING AND MULCHING:**

- 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, CHANNEL STABILIZATION MEASURES, SEDIMEN 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.). - LIMESTONE – LIMING RATE SHALL BE DETERMINED BY TESTING. BUT IN NO CASE SHALL BE LESS THAN 2 TONS/ACRE - FERTILIZER – 500 LBS/ ACRE OR 11 LBS/ 1000 SF OF 10–20–10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE.
- COOL SEASON PERENNIAL RYE GRASS 100LBS/ACRE OR OTHER APPROVED SEEDS; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1
- WARM SEASON: PEARL MILLET AT 20 LBS/AC. OR OTHER APPROVED SEEDS;
- PLANT BETWEEN MAY 15 AND AUGUST 15.
- MULCH UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY AT A RATE OF 1.5–2 TONS PER ACRE 70 TO 90 LBS/1,000 SF TO BE APPLIED ACCORDING TO THE STATE STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, LIQUID MULCH BINDER, OR CRIMPER

PERMANENT SEEDING:

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

SEEDING METHODS

- A. SELECT A MIXTURE FROM TABLE 4-3 OR USE A MIXTURE RECOMMENDED BY RUTGERS COOPERATIVE EXTENSION OR NATURAL RESOURCES CONSERVATION SERVICE WHICH IS APPROVED BY THE SOIL CONSERVATION DISTRICT. SEED GERMINATION SHALL HAVE BEEN TESTED WITHIN 12 MONTHS OF THE PLANTING DATE. NO SEED SHALL BE ACCEPTED WITH A GERMINATION TEST DATE MORE THAN 12 MONTHS OLD UNLESS RETESTED. 1. 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 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 650F. 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 SOII
- 2. 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. HYDROSEFDING 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 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

LIMESTONE - LIMING RATE SHALL BE DETERMINED BY TESTING, BUT IN NO CASE SHALL BE LESS THAN 2 TONS/ACRE. - FERTILIZER - 500 LBS/ ACRE OR 11 LBS/ 1000 SF OF 10-10-10 OR EQUIVILANT WITH 50% WATER INSOLUABLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE.

GENERAL SITE SEEDING MIX:		
TALL FESCUE –	265 LBS/ACRE	6.0 LBS/1000 SQ.FT.
KY. BLUEGRASS –	20 LBS/ACRE	0.5 LBS/1000 SQ.FT.
PERENNIAL RYEGRASS	– 20 LBS/ACRE	0.5 LBS/1000 SQ.FT.
BASIN SEEDING MIX:	,	,
CREEPING BENTGRASS	– 45 LBS/ACRE	1.0 LBS/1000 SQ.FT
CREEPING RED FESCU	E – 45 LBS/ACRE	1.0 LBS/1000 SQ.FT
ALKALI SALTGRASS	– 45 LBS/ACRE	1.0 LBS/1000 SQ.FT

PERMANENT STABILIZATION SPECIFICATIONS A. MULCHING MULCH MATERIALS TO BE UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, OR SALT HAY AT THE RATE OF 1.5 TO 2 TONS PER ACRE OR 70 TO 90 POUNDS PER 1,000 SQ. FT. EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER THE RATE OF APPLICATION IS 3 TONS PER ACRE.

- B. SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 85% OF SOIL SURFACE WILL BE COVERED. C. MULCH ANCHORING TO BE DONE IMMEDIATELY AFTER PLACEMENT BY ONE OF THE FOLLOWING METHODS:
-) PEG AND TWINE) MULCH NETTING
- (3) LIQUID MULCH-BINDERS
- D. CRIMPER (MULCH ANCHORING COULTER TOOL)

PERMANENT, EROSION RESISTANT GROUND COVER TO BE PROVIDED BETWEEN PANEL ROWS AND UNDER PANEL ROWS AS WELL AS OTHER DISTURBED AREAS. ESTABLISHING VEGETATION UNDER PANELS MAY BE DIFFICULT DUE TO LACK OF SUN AND LIMITED PRECIPITATION. THOUGHT SHOULD BE GIVEN TO ESTABLISHING VEGETATIVE GROUND COVER PRIOR TO PANEL CONSTRUCTION. INSTALLATION MAY BE FACILITATED BY PHASING THE GRADING AND STABILIZATION SEQUENCE OF SUBSEQUENT PROJECT AREAS TO ALLOW SUFFICIENT TIME TO ALLOW VEGETATION TO BECOME ESTABLISHED PRIOR TO PANEL INSTALLATION

STANDARD FOR STABILIZATION WITH MULCH ONLY

- . UNROTTED SMALL-GRAIN STRAW, OR SALT HAY AT 2.0 TO 2.5 TONS PER ACRE IS SPREAD UNIFORMLY AT 90 TO 115 POUNDS PER 1,000 SQUARE FEET AND ANCHORED WITH A MULCH ANCHORING TOOL, LIQUID MULCH BINDERS, OR NETTING
- TIE DOWN. OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT . SYNTHETIC OR ORGANIC SOIL STABILIZERS MAYBE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED
- BY THE MANUFACTURER. WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE (OR ACCORDING TO THE
- MANUFACTURER'S REQUIREMENTS) MAY BE APPLIED BY A HYDROSEEDER.
- MULCH NETTING, SUCH AS PAPER JUTE, EXCELSIOR, COTTON, OR PLASTIC, MAYBE USED WOOD CHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED EXCEPT IN AREAS OF FLOWING WATER. GRAVEL, CRUSHED STONE, OR SLAG AT RATE OF 9 CUBIC YARDS PER 1000 SQ. FT. AT DEPTH OF 3 INCHES.
- . MULCH ANCHORING TO BE DONE IMMEDIATELY AFTER PLACEMENT BY ONE OF THE FOLLOWING METHODS: (1) PEG AND TWINE
- (2) MULCH NETTING (3) LIQUID MULCH-BINDERS
- (4) CRIMPER (MULCH ANCHORING COULTER TOOL)

STANDARD FOR DUST CONTROL

<u>DEFINITION</u> - THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS. PURPOSE - TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON-AND OFF- SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC WHERE APPLICABLE - THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST:

MULCHES – SEE STANDARDS FOR STABILIZATION WITH MULCHES ONLY VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER, PERMANENT VEGETATIVE COVER, AND PERMANENT STABILIZATION WITH SOD. <u>SPRAY-ON ADHESIVES</u> - ON MINERAL SOILS (NOT EFFECTIVE ON MOCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

	WATER DILUTION	TYPE OF NOZZLE
ANIONIC ASPHALT	7:1	COARSE SPRAY
LATEX EMULSION	12.5:1	FINE SPRAY
RESIN IN WATER	4:1	FINE SPRAY

OWING STARTS. BEGIN EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT SPRINKLING - SITE IS SPRINKLED UNTIL THE SURFACE IS WET. BARRIERS – SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS. STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

SEQUENCE OF CONSTRUCTION:

- SILT FENCING AND TREE PROTECTION FENCING
- PHASE 3: EXCAVATE AND INSTALL UNDERGROUND PIPING AND DRAINAGE STRUCTURES.
- PHASE 4: EXCAVATE FOR BUILDING FOUNDATION. PHASE 5: COMPLETE BUILDING CONSTRUCTION.
- PHASE 6: EXCAVATE AND INSTALL ON-SITE IMPROVEMENTS PHASE 7: FINAL GRADING ON SITE.
- FENCING

STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

- 1. SITE PREPARATION SHOULD BE DONE IN ACCORDANCE WITH STANDARD FOR LAND GRADING.
- WATERWAYS
- 2. SEEDBED PREPARATION

- 3. SEEDING A. PERMANENT VEGETATIVE MIXTURES & PLANTING RATES 1) HARD FESCUE -CHEWING FESCUE STRONG CREEPING RED FESCUE - 175 LBS/ACRE
 - PERENNIAL RYEGRASS -) KY. BLUEGRASS -

- 4. MULCHING
- FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.
- 1. PEG AND TWINE
- 2. MULCH NETTINGS 3. CRIMPER MULCH ANCHORING COULTER TOOL 4. LIQUID MULCH-BINDERS

STANDARD FOR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

- 1. SITE PREPARATION
- WATERWAYS, SEE STANDARDS 11 THROUGH 42.
- 2. SEEDBED PREPARATION AVAILABLE FROM THE LOCAL RUTGERS COOPERATIVE EXTENSION OFFICES NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE
- TO GRASSES AND LEGUMES
- 3. SEEDING A. TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTHS - COOL SEASON GRASSES:
- -WARM SEASON GRASSES:
- INCH DEEPER ON COARSE TEXTURED SOIL.

- 4. MULCHING

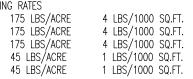
- 1. PEG AND TWINE 2. MULCH NETTINGS 3. CRIMPER MULCH ANCHORING COULTER TOOL
- 4. LIQUID MULCH-BINDERS
- OF THE MULCH TO PROVIDE SOIL COVERAGE.

PHASE 1: INSTALL STONE ANTI-TRACKING PAD AND OTHER SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING PHASE 2: CLEAR AND ROUGH GRADE FOR NEW BUILDING SITE AND OTHER STRUCTURES REQUIRING EXCAVATION.

PHASE 8: INSTALL PAVING, CONCRETE, AND FINAL VEGETATION INCLUDING SEEDING AND LANDSCAPING PHASE 9: REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING SILT FENCING AND TREE PROTECTION

A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. ALL GRADING B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING. : TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A 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

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 ÉQUIVALENT WITH 50% WATER ÍNSOLUBLE 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, SPRING-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 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 REPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.



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. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHORTFIBERED 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.

A. STRAW OR HAY. UNROTTED SMALL GRAIN STRAW, HAY FREE OF SEEDS, APPLIED AT THE RATE OF 1.5 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 WEED SEED

APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 85% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE

ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COST.

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 POUNDS PER ACRE (OR AS RECOMMENDED BY THE PRODUCT MANUFACTURER) AND MAY BE APPLIED BY A HYDROSEEDER. 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, FORM A MULCH MAT. 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 TO 0.4 INCHES OF WATER. THIS MATERIAL HAS BEEN FOUND TO BE BENEFICIAL FOR USE ON SMALL LAWN OR RENOVATION AREAS, SEEDED AREAS WHERE WEEDSEED FREE MULCH IS DESIRED, OR ON SITES WHERE STRAW MULCH AND TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE. 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.

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, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND 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.).

A. APPLY GROUND LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS OFFERED BY RUTGERS CO-OPERATIVE EXTENSION. SOIL SAMPLE MAILERS ARE - FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE OR 11 POUNDS PER 1,000 SQUARE FEET OF 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE CALCIUM CARBONATE IS THE EQUIVALENT AND STANDARD FOR MEASURING THE ABILITY OF LIMING MATERIALS TO NEUTRALIZE SOIL ACIDITY AND SUPPLY CALCIUM AND MAGNESIUM 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 RETILED 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.

(1) PERENNIAL RYEGRASS – 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 0.5 INCHES.) SPRING OATS – 86 LBS / ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 1.0 INCHES.) WINTER BARLEY – 96 LBS / ACRE; PLANT BETWEEN AUGUST 15 AND OCTOBER 1; AT A DEPTH OF 1.0 INCHES. (4) ANNUAL RYEGRASS – 100 LBS / ACRE; PLANT BETWEEN MARCH 1 AND JUNE 15 BETWEEN AUGUST 1 AND SEPTEMBER 15; AT A DEPTH OF 0.5 INCHES. (5) WINTER CEREAL RYE – 112 LBS / ACRE; PLANT BETWEEN AUGUST 1 AND NOVEMBER 15; AT A DEPTH OF 1.0 INCHES.

(1) PEARL MILLET – 20 LBS / ACRE; PLANT BETWEEN MAY 15 AND AUGUST 15; AT A DEPTH OF 1.0 INCHES. (2) MILLET (GERMAN OR HUNGARIAN) - 30 LBS / ACRE; PLANT BETWEEN MAY 15 AND AUGUST 15; AT A DEPTH OF 1.0 INCHES.

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 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.

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. UNROTTED 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 WEED SEED.

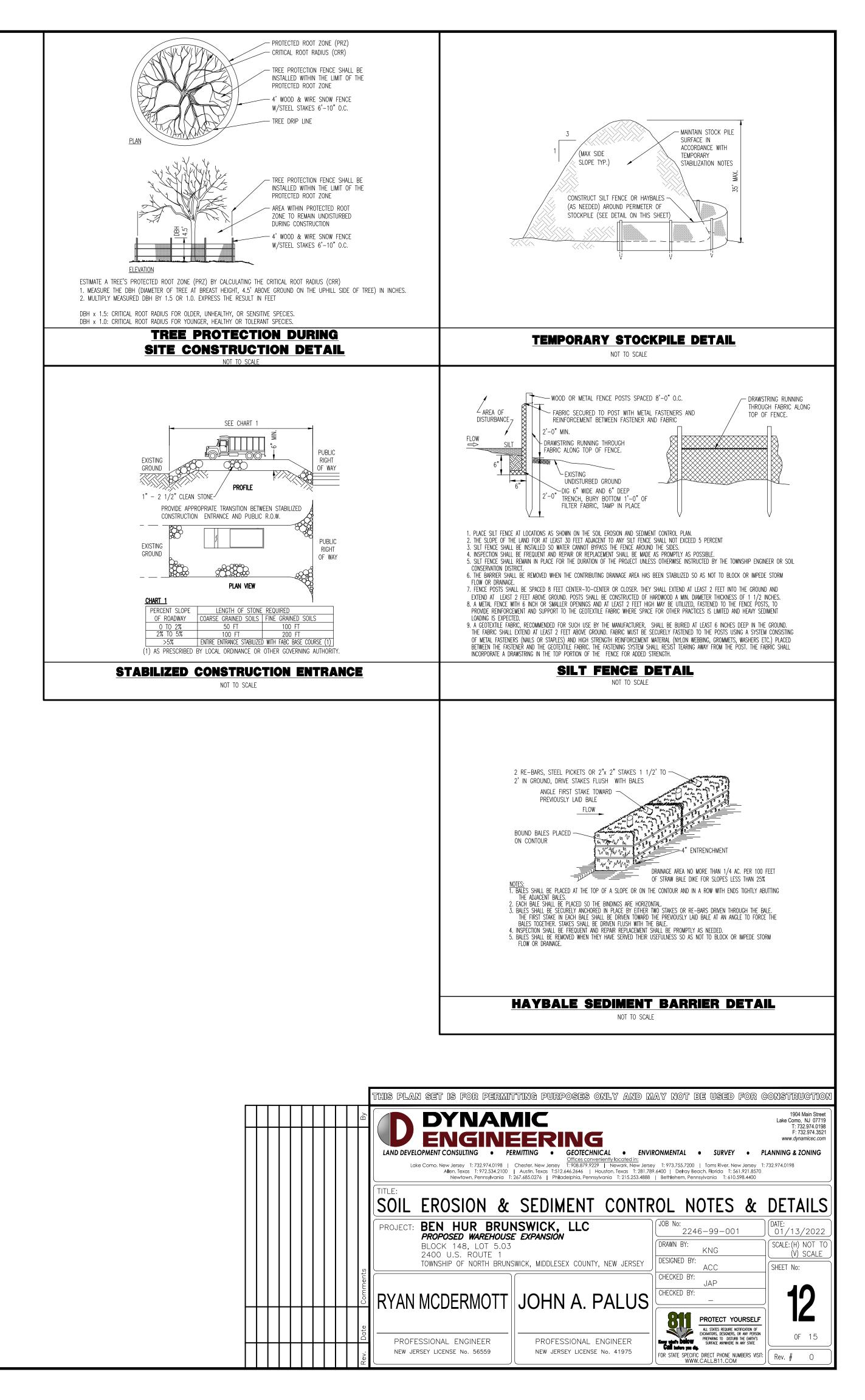
APPLICATION. SPREAD MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 95% OF THE SOIL SURFACE WILL BE COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQUARE FEET SECTIONS AND DISTRIBUTE 70 TO 90 POUNDS WITHIN EACH SECTION.

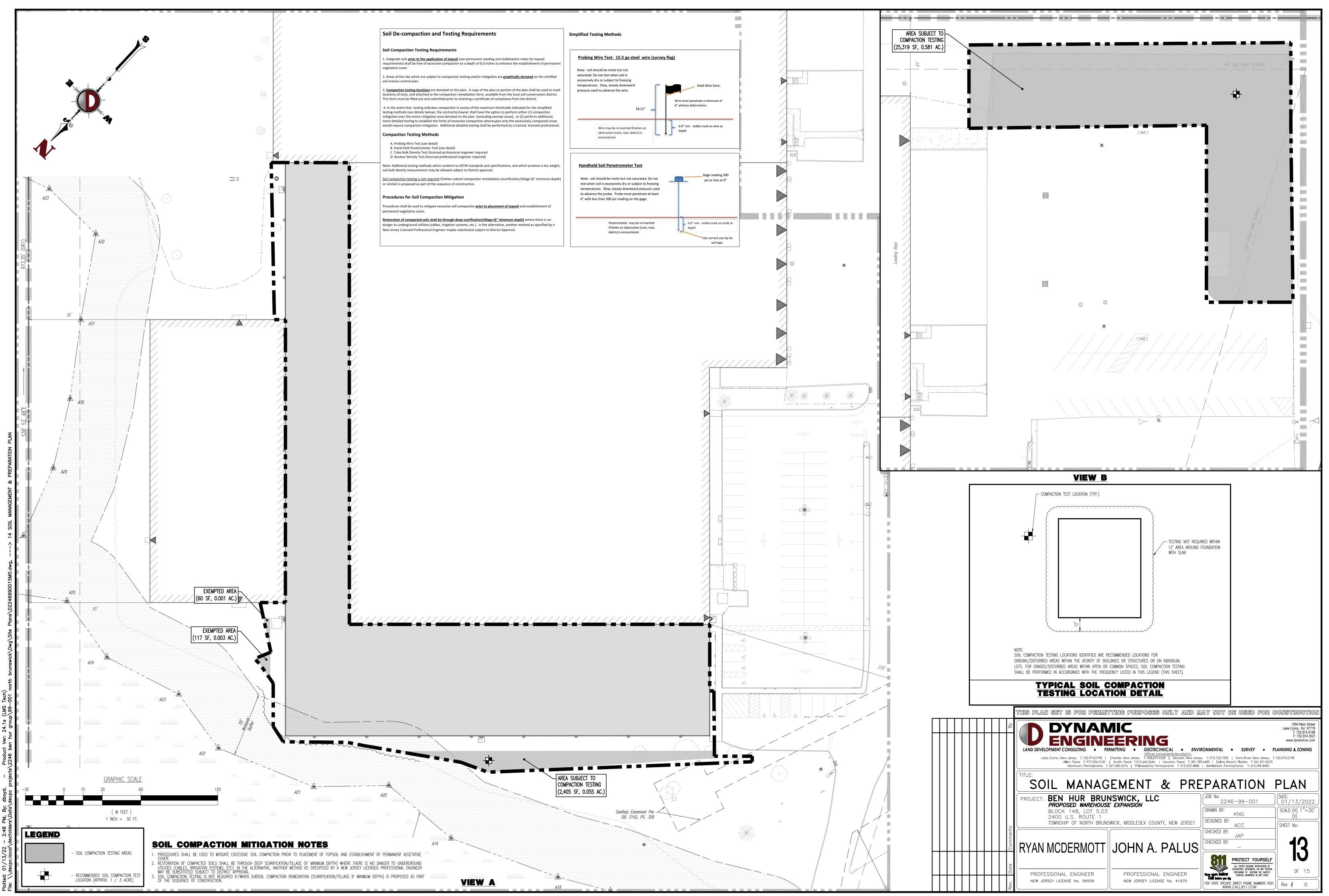
ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS IN ACCORDANCE WITH THE STATE STANDARDS, DEPENDING UPON THE SIZE OF THE AREA, STEEPNESS OF SLOPES, AND COST.

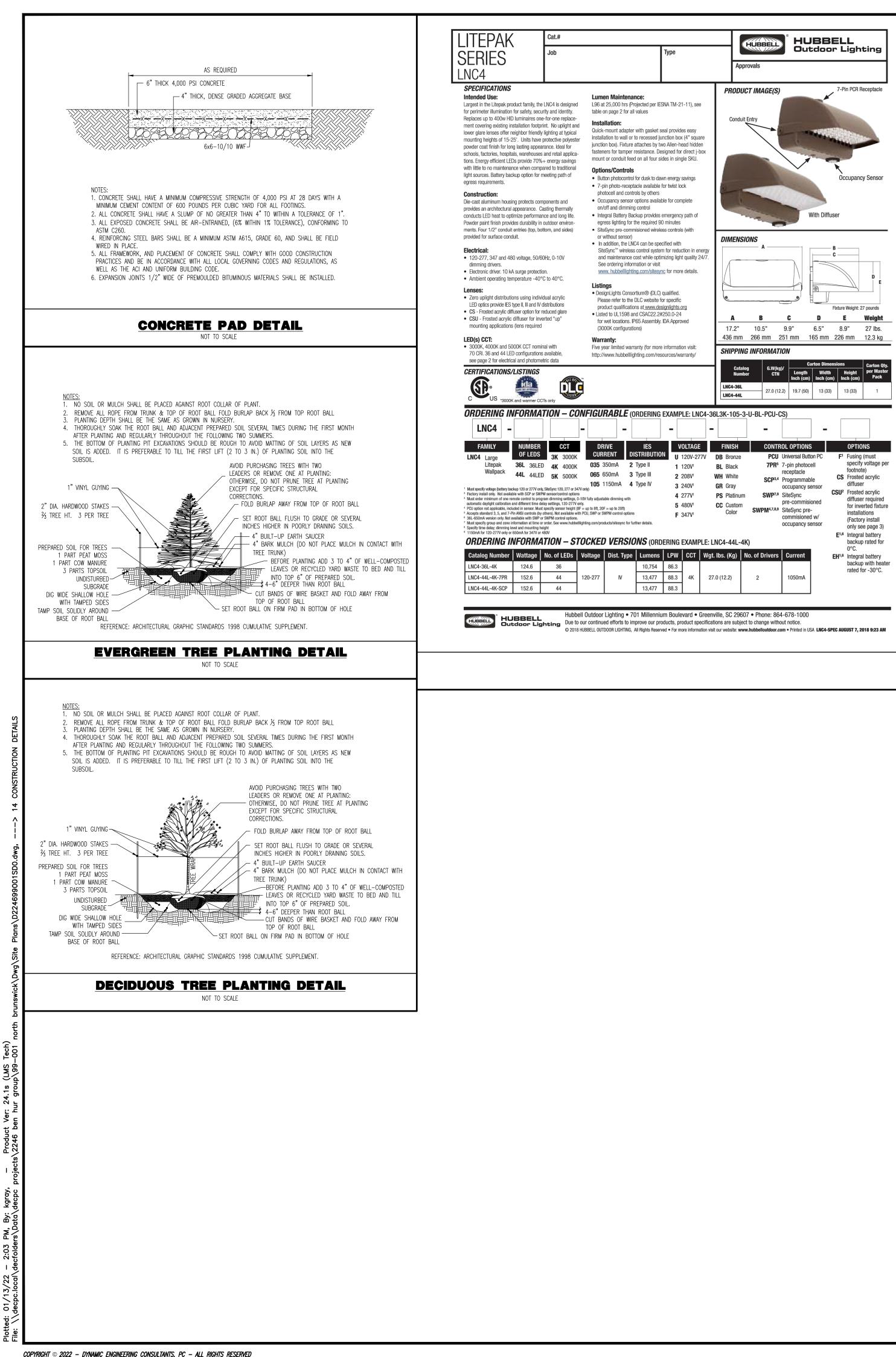
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C. PELLETIZED MULCH. COMPRESSED AND EXTRUDED PAPER AND/OR WOOD FIBER PRODUCT, WHICH MAY CONTAIN CO-POLYMERS, TACKIFIERS, FERTILIZERS AND COLORING AGENTS. THE DRY PELLETS, WHEN APPLIED TO A SEEDED AREA AND WATERED, FORM A MULCH MAT. PELLETIZED MULCH 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 SQUARE FEET AND ACTIVATED WITH 0.2 TO 0.4 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 TACKIFIER AGENT ARE NOT PRACTICAL OR DESIRABLE.

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







		Separately)				Description									
Frosted acrylic diffuser reduces surface brightness and glare with a roughly 20% lumen						•	uction								
			-		-			ncy se	ensor						_
-	face softwa	re loaded on USB flas	sh drive for	use v	with own	er supplied PC (Wi	ndows bas	sed o	nly).	Includes S	SiteSync license, s	oftware an	d USE	3 radi	0
	et and SiteS	vnc interface softwa	re. Includes	table	t with pr	eloaded software.	SiteSvnc I	icens	e an	d USB rad	io bridge node				
		5				,					lo bridge riode.				
							-								
at least one of th	iese two interfa	ce options must be ordered	per project.	+ Avai	able as a S	teSync retrofit solution f	or fixtures wi	th an e	xisting	7 pin recept	acle.				
trol Soli	utions -	Accessories (sold se	eparately)			S	iteSync	7-P	'in N	<i>l</i> odule					
Descri	ption				HCS S	/stem			6.				truction	or re	troi
		• ,,								applica • Availal	ations (with existing 7 ble on all products th	7-Pin recepta at have a 7-I	acle) Pin rec		
Sensor	with wiSCA	PE Radio, 110-480VAC		-	Lighting	g Control				SiteSu	inc)		013		
view specificatio	n sheet orderin	g information table for detai	ls.				SW7P	{			•				
DATA		5K (5000K r	iominal, 70) CRI)		4K (4000K	nominal,	70 CI	RI)		3K (3000K r	nominal, 70	D CRI)		
SYSTEM	DIST.														
WATTS		LUMENS	LPW ¹		U G	LUMENS	LPW ¹		U	G	LUMENS	LPW ¹	B	U	
N/A	2	4,529	112	N/A 1	0 1	657 4,593	114	N/A	0	1	4,269	106	N/A	0	Г
40.3	3	4,718	117	1	0 1	4,631	115	1	0	1	4,305	107	1	0	
		4,441	++	1		4,502 5.613	112	1	0			104	1	0	\vdash
49.3	3	5,766	117	1	0 2	5,656	115	1	0	2	5,262	107	1	0	
	4	5,427	110 95.3	1	0 2	5,503 7,440	112 93.0	1	0	2	5,116	104	1	0	
80	3	7,590	95.3	1	0 2	7,440	93.0	1	0	2	6,756	84.4	2	0	
	4	7,611	95.1	1	0 3	7,424	92.8	1	0	3	6,742	84.3	1	0	
96	2	9,094 9,472	94.7 98.7	2	0 2	9,221 9,298	96.0	2	0	2	8,572 8,644	89.3 90.0	2	0	\vdash
	4	8,916	92.9	1	0 3	9,040	94.2	1	0	3	8,405	87.6	1	0	
50mA		11,911	86.6	2		11,619 11 563	84.5	2	0		10,551	76.7	2	0	\vdash
	4	11,853	90.2 84.9	2	0 2	11,595	88.0	2	0	3	10,500	79.9	1	0	
	2	14,202	83.6	2	0 3	14,400	84.7	3	0	3	13,387	78.7	2	0	
1/0	3	14,793 13,924	87.0 81.9	2	0 3	14,521 14,118	88.2	2	0	3	13,499 13,127	82.0	2	0	┝
otometric tests (performed in ad	cordance with IESNA LM-79)-08. Data is co	onsidere	ed to be rep	resentative of the config	urations shov	vn. Act	ual per	formance ma	ay differ as a result of en	nd-user enviro	nment a	and ap	olica
DATA															
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