PRELIMINARY AND FINAL SITE PLAN

FOR

1204 PARK AVENUE ASSOCIATES, LLC PROPOSED CVS PHARMACY

BLOCK 729, LOT 1; TAX MAP SHEET #97 - LATEST REV. DATED 03-24-87 PARK AVENUE (CR 531) & RANDOLPH ROAD CITY OF PLAINFIELD UNION COUNTY, NEW JERSEY

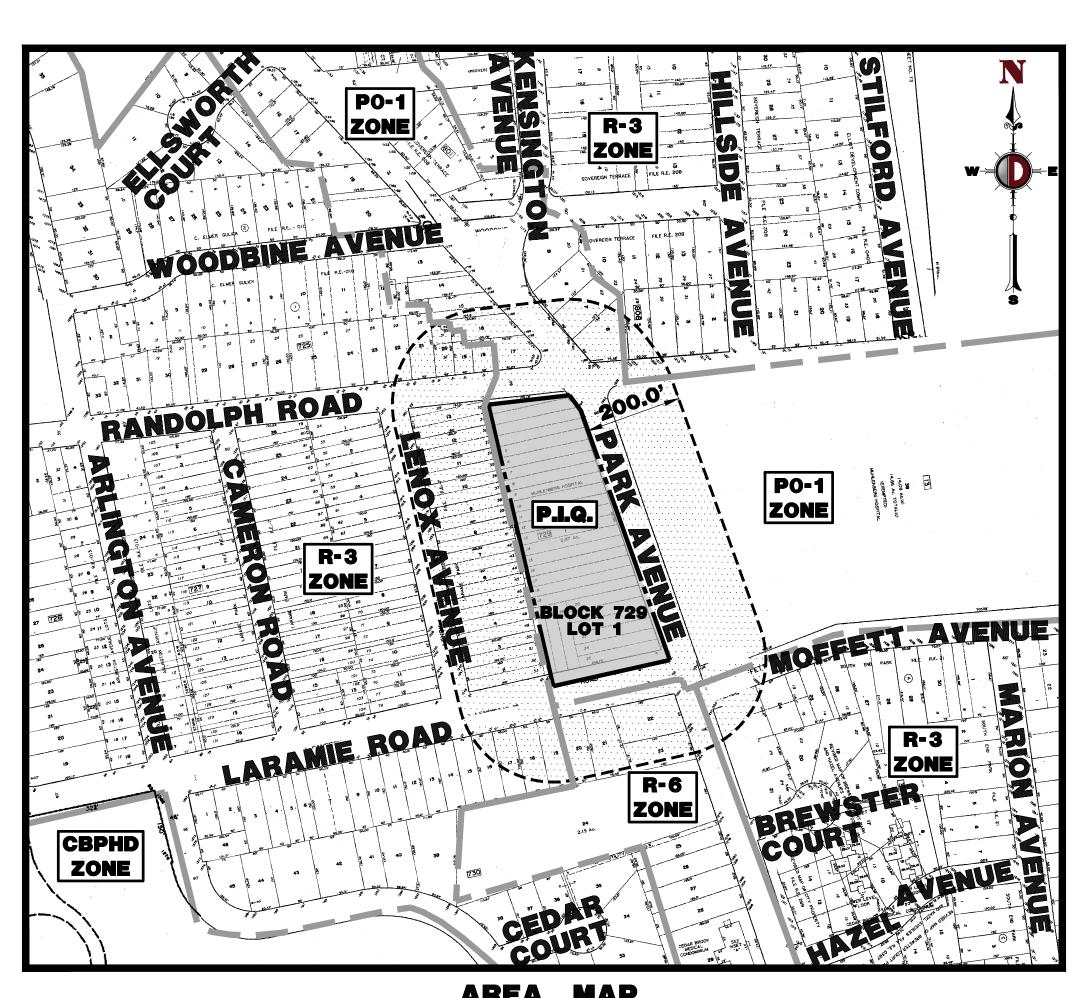
200' PROPERTY OWNERS LIST

PROPERTY OWNER	<u>BLOCK</u>	<u>LOT</u>	PROPERTY OWNER	<u>BLOCK</u>	
MUHLENBERG HOSPITAL C/O 80 JAMES STREET, 1 ST FLOC EDISON, NJ 08820	TSEMBERLI PR 13	38.04, 38.05	JACKSON, ARVIS 1215—17 LENOX AVENUE PLAINFIELD, NJ 07061	729	
TAYLOR, EDITH 1200 MOFFETT AVENUE PLAINFIELD, NJ 07060	30	23	WILLIAMS, VIRGIL 1211—13 LENOX AVENUE PLAINFIELD, NJ 07060	729	
ARMSTRONG, EVELYN M 1182–86 PARK AVENUE PLAINFIELD, NJ 07060	725	15	SALGUERO-RUIZ, ALEX G 136A CRESCENT AVENUE PLAINFIELD, NJ 07060	729	
DEUTSCHE BANK NATIONAL TI 3217 S DECKER LAKE DRIVE SALT LAKE CITY, UT 84119	RUST CO. 725	16	BELL, WAYNE & AUDREY BOWEN 1201-05 LENOX AVENUE PLAINFIELD, NJ 07060	729	
GREATER PLFD HABITAT FOR 2 RANDOLPH ROAD PLAINFIELD, NJ 07060	HUMANITY 725	17	SVK REALTY LLC 190 MIDDLESEX TPK STE 404 ISELIN, NJ 08830	730	
RAYBURN, KISCHA 10 RANDOLPH ROAD PLAINFIELD, NJ 07061	725	18	MOORE, MARC 35 LARAMIE ROAD PLAINFIELD, NJ 07060	730	
MINER, MELONY — MINER, BA 14 RANDOLPH ROAD PLAINFIELD, NJ 07060	ARBARA 725	19	MIDDLETON, HATTIE L 31 LARAMIE ROAD PLAINFIELD, NJ 07060	730	
VASQUEZ, SONIA N 7217 REDFIELD ROAD NORTH PLAINFIELD, NJ 07061	725	20	GRISALES, LUIS & BEATRIZ 1243 LENOX AVENUE	730	
FINE, ANGYTTO A & SOUZA, 18–20 RANDOLPH ROAD PLAINFIELD, NJ 07060		21	BURRELL, ALVIN & ANCKLE, SIMOI 21–23 LARAMIE ROAD	NE 730	
SIMON, CLIFFORD 22–24 RANDOLPH ROAD PLAINFIELD, NJ 07060	725	22	ANANDKUMAR, RATHINAVELU & VE 4 HERBERT ROAD	NKATALA 730	
WILSON, RONALD & THOMAS, 1247 LENOX AVENUE PLAINFIELD, NJ 07060	STEPHANIE 729	2	COLON, STEPHANIE 27 MYRTLE AVENUE 2 ND FLOOR NORTH PLAINFIELD, NJ 07060	730	
GRISALES, LUIS CARLOS & E 1243 LENOX AVENUE PLAINFIELD, NJ 07060	EATRIZ E 729	3	TALUS REALTY, LLC C/O DR R CO 1250 PARK AVENUE PLAINFIELD, NJ 07060	ORBIN 730	
REDFERN, WILLIAM W 1239 LENOX AVENUE PLAINFIELD, NJ 07060	729	4	GAMBOA, JOSE & CECILIA 1258 PARK AVENUE PLAINFIELD, NJ 07060	730	
BONILLA-MARAVILLA, MANUEL 1235-37 LENOX AVENUE PLAINFIELD, NJ 07060	A 729	5	HAWKINS, TIMOTHY & JERI 1213 RANDOLPH ROAD PLAINFIELD, NJ 07060	306	
THOMPSON, RICHARD & BRAI 1231 LENOX AVENUE PLAINFIELD, NJ 07060	HAM, FRANCINE 729	6	BUTTERFIELD, NATHAN H & ABIGAI 5 WINDSOR ROAD EDISON, NJ 08820	IL C 306	
US BANK TRUST N A TR C/ 3630 PEACHTREE ROAD NE ATLANTA, GA 30326	O RESICAP 1500 729	7	COCA, EDGAR R 1193 PARK AVENUE	306	
PICKETT, KENNETH L 1360 CLIFTON AVENUE APT CLIFTON, NJ 07012		8	CICALO, PAUL L & MARY 205 PLAINFIELD AVENUE	806	
REYES, JAIME 1219–21 LENOX AVENUE PLAINFIELD, NJ 07060	729	9	ALDER, EDWARD A MD 1173-87 PARK AVENUE	306	

ATTENTION: NANCY PENCE 2315 SALEM ROAD CONYERS, GA 30013

PLANNING BOARD APPROVAL APPROVED AT THE PLANNING BOARD OF THE CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY SECRETARY BOARD ENGINEER

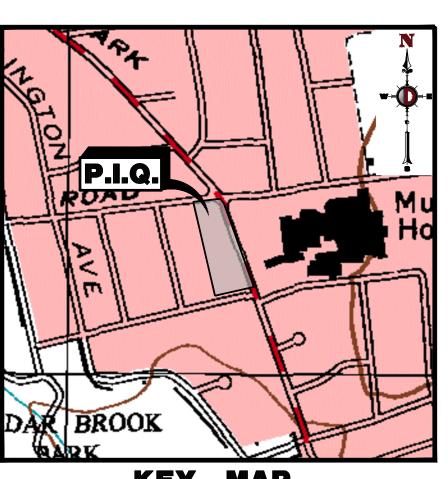
OWNER CERTIFICATION



AREA MAP 1" = 200'

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

WWW.DYNAMICEC.COM



KEY MAP 1" = 600'

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CS PROJECT NUMBER:12232



KYLE C. KAVINSK

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 41938

1204 PARK AVENUE ASSOCIATES LLC BLOOMFIELD, NJ 07003

TEL: (973)-429-7900 EXT. 218 PROJECT CONTACT: GLENN DOMENICK

Rev.	Date	Comments	Ву
2	05/06/20	REV. PER CITY COMMENTS	KJH
1		REV. PER CITY COMMENTS	K.IF

SCALE:	(H) AS (V) SHOWN	
DRAWN BY:	СМТ	
DESIGNED BY:	JMV	
CHECKED BY:	RPF	
DATE:	02/06/2020	

COVER SHEET

2340-99-008



this plan is for approval process only an





13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE STORE NUMBER: 11370

BLOCK 729, LOT 1
PARK AVENUE (CR 531) & RANDOLPH ROAD
CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY CS PROJECT NUMBER:122324



KYLE C. KAVINSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

ROBERT P. FREUD

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1204 PARK AVENUE ASSOCIATES LLC 2 BROAD STREET, SUITE 400 BLOOMFIELD, NJ 07003 TEL: (973)-429-7900 EXT. 218

PROJECT CONTACT: GLENN DOMENICK

Rev.	Date	Comments	Ву
2		REV. PER CITY COMMENTS	KJH
1	04/09/20	REV. PER CITY COMMENTS	KJH

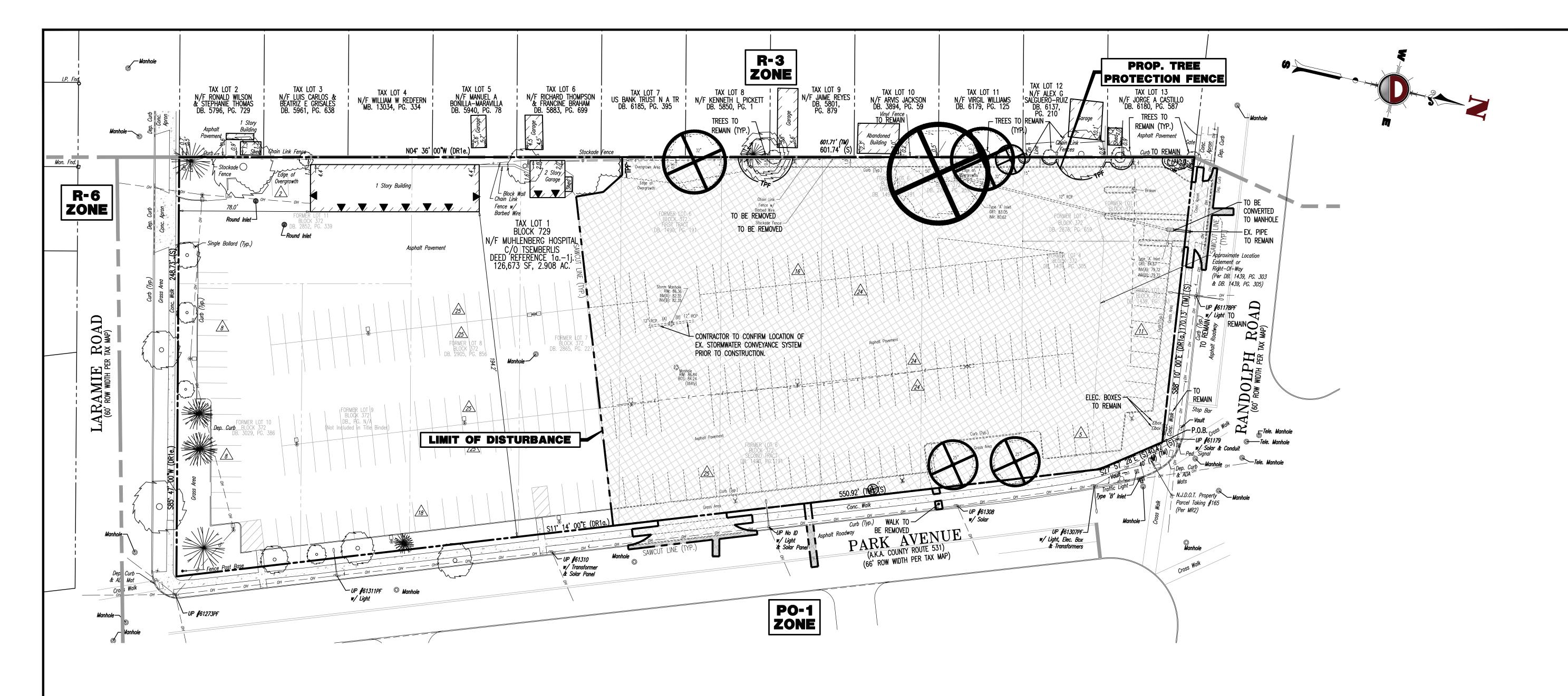
02/06/2020

2340-99-008

AERIAL MAP

COMMENTS:

This plan is for approval process only and may not be used for construction



DEMOLITION NOTES

- 1. ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- 2. PROCEED WITH DEMOLITION IN A SYSTEMATIC MANNER, FROM THE TOP OF THE STRUCTURE(S) TO THE GROUND.
- 3. COMPLETE DEMOLITION WORK ABOVE EACH FLOOR OR TIER BEFORE DISTURBING ANY OF THE SUPPORTING MEMBERS OF THE LOWER LEVELS.
- 4. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS.
- 5. REMOVE STRUCTURAL FRAMING MEMBERS AND LOWER THEM TO THE GROUND BY MEANS OF HOISTS, DERRICKS OR OTHER SUITABLE METHODS.
- 6. BREAK UP CONCRETE SLABS-ON-GRADE, UNLESS OTHERWISE DIRECTED BY OWNER.
- 7. LOCATE DEMOLITION EQUIPMENT THROUGHOUT THE STRUCTURE AND REMOVE MATERIALS SO AS TO NOT IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR
- 8. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING AND SUPPORTS TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED (AND 9. DEMOLISH AND REMOVE ALL FOUNDATION WALLS, FOOTINGS AND OTHER MATERIALS WITHIN THE AREA OF THE DESIGNATED FUTURE BUILDING. ALL OTHER FOUNDATION
- SYSTEMS, INCLUDING BASEMENTS, SHALL BE DEMOLISHED TO A DEPTH OF NOT LESS THAN ONE FOOT BELOW PROPOSED PAVEMENT OR, BREAK BASEMENT FLOOR SLABS. SEAL ALL OPEN UTILITY LINES WITH CONCRETE. CONTRACTOR TO REVIEW STRUCTURE PRIOR TO DEMOLITION TO DETERMINE IF BASEMENT, CRAWL SPACE OR ANY SUB-STRUCTURE EXISTS. ANY SUB-STRUCTURE, INCLUDING BASEMENTS SHALL BE REMOVED IN ITS ENTIRETY OR AS DIRECTED BY OWNER. 10. ERECT AND MAINTAIN COVERED PASSAGEWAYS IN ORDER TO PROVIDE SAFE PASSAGE FOR PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT ALL DEMOLITION
- OPERATIONS IN A MANNER THAT WILL PREVENT DAMAGE AND PERSONAL INJURY TO STRUCTURES, ADJACENT BUILDINGS AND ALL PERSONS. 11. REFRAIN FROM USING ANY EXPLOSIVES WITHOUT PRIOR WRITTEN CONSENT OF OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES.
- CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF OWNER AND ANY APPLICABLE GOVERNMENTAL 13. USE WATERING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SCATTERING IN THE

12. CONDUCT DEMOLITION SERVICES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES. DO NOT

- AIR. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK. 14. ACCOMPLISH AND PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME.
- 15. COMPLETELY FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION MAY NOT BE USED AS FILL. PRIOR TO PLACEMENT OF FILL MATERIALS, UNDERTAKE ALL NECESSARY ACTION IN ORDER TO ENSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROST, FROZEN MATERIAL, TRASH, DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN LOOSE DEPTH AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM DENSITY. GRADE THE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE SURFACE DRAINAGE.
- 16. REMOVE FROM THE DESIGNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS, RUBBISH, SALVAGEABLE ITEMS, HAZARDOUS AND COMBUSTIBLE SERVICES. REMOVED MATERIALS MAY NOT BE STORED, SOLD OR BURNED ON THE SITE. REMOVAL OF HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR OTHER APPROPRIATE REGULATORY AGENCIES AND AUTHORITIES.
- 17. DISCONNECT, SHUT OFF AND SEAL IN CONCRETE ALL UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF THE DESIGNATED DEMOLITION. MARK FOR POSITION ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE LINES. CLEARLY IDENTIFY BEFORE THE COMMENCEMENT OF DEMOLITION SERVICES THE REQUIRED INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTIES, AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO
- 18. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL PROCEDURES ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS NECESSARY.

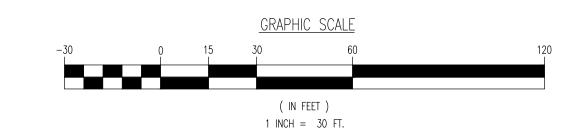
1. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR SHALL BE REQUIRED TO CALL THE BOARD OF PUBLIC UTILITIES ONE CALL DAMAGE PROTECTION SYSTEM OR UTILITY MARK OUT IN ADVANCE OF ANY EXCAVATION. 2. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING SITE IMPROVEMENTS AND UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE ENGINEER IN WRITING. 3. ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE DISCONNECTED AND CAPPED AT THE MAIN FOR WATER, AT THE CLEAN-OUT FOR SEWER AND THE

4. ALL EXISTING DEBRIS SHALL BE REMOVED BY CONTRACTOR IN ACCORDANCE WITH MUNICIPAL AND LOCAL UTILITY COMPANY REQUIREMENTS.

SHUT-OFF VALVE OR MAIN FOR GAS IN ACCORDANCE WITH MUNICIPAL AND LOCAL UTILITY REQUIREMENTS.

DEMOLITION PLAN LEGEND

PROPOSED LIMIT OF DISTURBANCE LINE TPF - PROPOSED TREE PROTECTION FENCE LINE - EXISTING IMPROVEMENTS TO BE REMOVED UNLESS OTHERWISE NOTED TREES TO REMAIN TREES TO BE REMOVED TREES TO BE TRANSPLANTED/RELOCATED



ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE Know what's DOIOW
Call before you dig. OR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT WWW CALL811 COM



13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE STORE NUMBER:

PARK AVENUE (CR 531) & RANDOLPH ROAD CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY CS PROJECT NUMBER:12232



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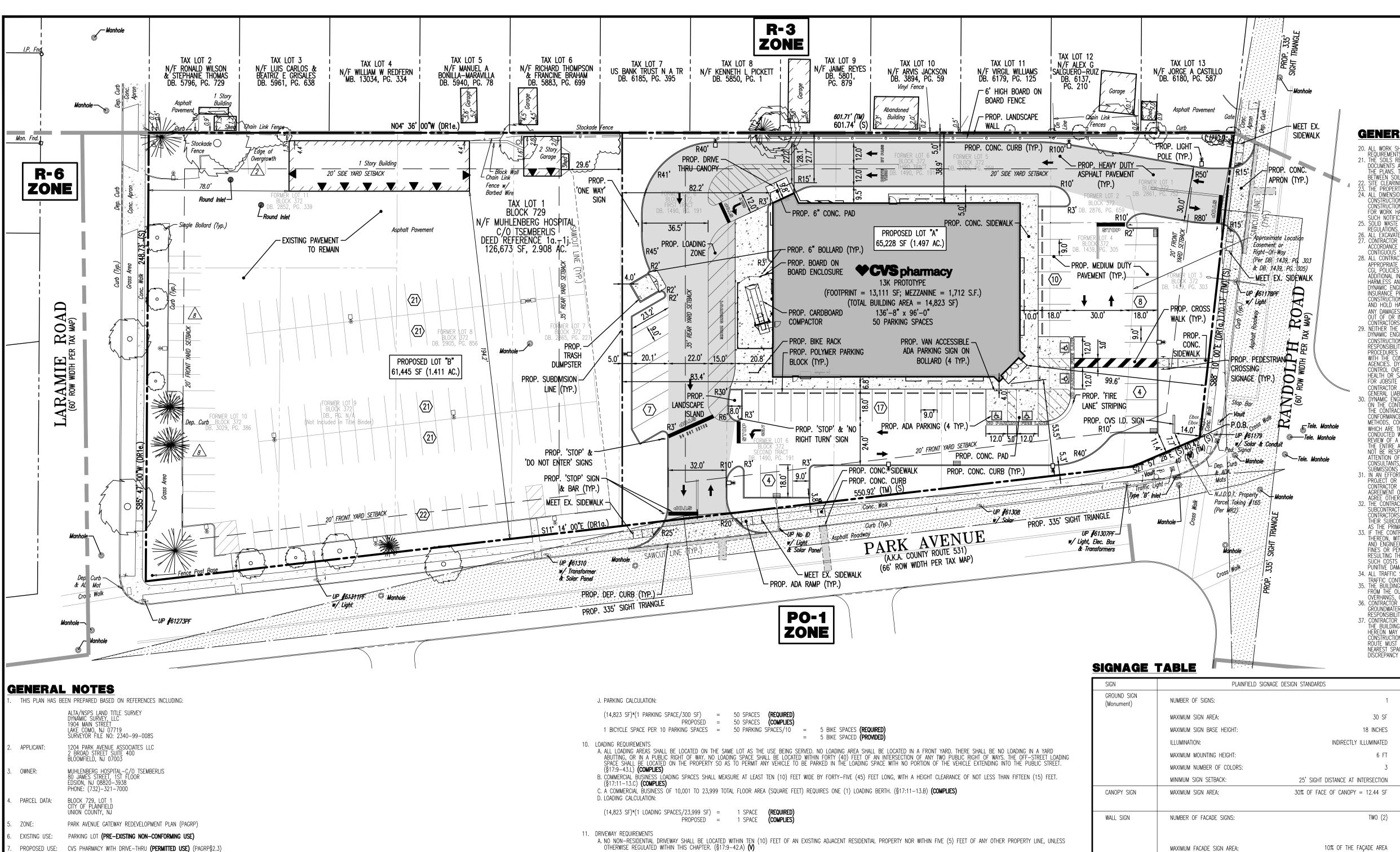
Rev.	Date	Comments	Ву
			-+
2		REV. PER CITY COMMENTS	KJŀ
1	04/09/20	REV. PER CITY COMMENTS	KJH

02/06/2020 2340-99-008

DEMOLITION PLAN

COMMENTS:

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GENERAL NOTES CONTINUED

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

 21. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER CONSTRUCTION MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT & PLANS.

 22. SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND TANKS, PIPES, VALVES, ETC.

 23. THE PROPERTY SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS.

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

 25. SOLID WASTE TO BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL DID WASTE TO BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL
- 26. ALL EXCAVATED UNSUITABLE MATERIAL MUST BE TRANSPORTED TO AN APPROVED DISPOSAL LOCATION.
 27. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION AND SHALL BE PERFORMED IN
 ACCORDANCE WITH CURRENT OSHA STANDARDS, AS WELL AS ADDITIONAL PROVISIONS TO ASSURE STABILITY OF
 CONTIGUOUS STRUCTURES, AS FIELD CONDITIONS DICTATE.
 28. ALL CONTRACTORS MUST CARRY STATUTORY WORKERS COMPENSATION, EMPLOYERS LIABILITY INSURANCE AND
- ALL CONTRACTORS MUST CARRY STATUTORY WORKERS COMPENSATION, EMPLOYERS LIABILITY INSURANCE AND APPROPRIATE LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME DYNAMIC ENGINEERING CONSULTANTS, P.C., ITS SUBCONSULTANTS AS ADDITIONAL INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THE HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH DYNAMIC ENGINEERING CONSULTANTS, P.C. WITH CERTIFICATES OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS DYNAMIC ENGINEERING CONSULTANTS, P.C. AND ITS SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES LIABILITIES OR COSTS INCLUDING PEASONABLE ATTORNEYS' FEES AND DEFENSE COSTS ARISING
- ANY DAMAGES, LIABILITIES OR COSTS, INCLUDING REASONABLE ATTORNEYS "FEES AND DEFENSE COSTS, ARISING OUT OF OR ANY WAY CONNECTED WITH THE PROJECT, INCLUDING ALL CLAMS BY EMPLOYEES OF THE CONTRACTORS.

 29. NEITHER THE PROFESSIONAL ACTIVITIES OF DYNAMIC ENGINEERING CONSULTANTS, P.C., NOR THE PRESENCE OF DYNAMIC ENGINEERING CONSULTANTS, P.C. OR TIS EMPLOYEES AND SUBCONSULTANTS AT A CONSTRUCTION /PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLICATIONS, DUTIES AND RESPONSIBILITES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES RECESSARY FOR PERFORMING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. DYNAMIC ENGINEERING CONSULTANTS, P.C. AND ITS PERSONNEL HAVE, NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OF THE SEMENAL CONTRACTOR AND SHALL BE MADE ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIBBILITY INSURANCE.

 30. DYNAMIC ENGINEERING CONSULTANTS, P.C. SHALL REVIEW AND APPROVE OR TAXE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS, PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS PRODUCT DATA, SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS PRODUCT DATA. SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS PRODUCT DATA THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS PRODUCT DATA. SAMPLES AND OTHER DATA, WHICH THE CONTRACTOR SUBMITIALS SUCH AS SHOP DEPAYMINGS PRODUCT DATA THE CONTRACTOR SUBMITIA

- PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREROM.

 34. ALL TRAFFIC SIGNS AND STRIPING SHALL FOLLOW THE REQUIREMENTS SPECIFIED IN THE MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.

 35. THE BUILDING SETBACK DIMENSIONS ILLUSTRATED AND LISTED ON THE SITE PLAN DRAWINGS ARE MEASURED FROM THE OUTSIDE SURFACE OF BUILDING WALLS. THESE SETBACK DIMENSIONS DO NOT ACCOUNT FOR ROOF OVERHANGS, ORNAMENTAL ELEMENTS, SIGNAGE OR OTHER EXTERIOR EXTENSIONS UNLESS SPECIFICALLY NOTED.

 36. CONTRACTOR ACKNOWLEDGES HE HAS READ AND UNDERSTOOD THE DESIGN PHASE SOIL PERMEABILITY AND GROUNDWATER TEST RESULTS IN THE STORMWATER MANAGEMENT REPORT AND THAT THE CONTRACTORS RESPONSIBILITIES INCLUDE NECESSARY PROVISIONS TO ACHIEVE THE DESIGN PERMEABILITY IN THE FIELD.

 37. CONTRACTOR TO BE ADVISED THAT THE ENGINEER WAS NOT PROVIDED WITH FINAL FLOOR PLAN DRAWINGS FOR THE BUILDING AT THE TIME OF SITE PLAN DESIGN. AS A RESULT, ENTRANCE DOOR LOCATIONS AS DEPICTED HEREON MAY NOT BE FINAL AND MUST BE CONFIRMED WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. THE HANDICAP ACCESSIBLE PARKING SPACES AND THE ASSOCIATED RAMPS AND ACCESSIBLE ROUTE MUST COMPLY WITH NJAC 5:23—7 AND THE HANDICAP PARKING SPACES MUST BE LOCATED AS THE NEAREST SPACES TO THE ENTRANCE. CONTRACTOR TO NOTIFY OWNER AND ENGINEER IMMEDIATELY OF ANY DISCREPANCY PRIOR TO CONSTRUCTION.

PROPOSED

SIGN	FLAINFIELD SIG	BNAGE DESIGN STANDANDS	FINOPOSED	
GROUND SIGN (Monument)	NUMBER OF SIGNS:	1	NUMBER OF SIGNS:	1
	MAXIMUM SIGN AREA:	30 SF	SIGN AREA:	30.90 SF (V)
	MAXIMUM SIGN BASE HEIGHT:	18 INCHES	MAXIMUM SIGN BASE HEIGHT:	17 INCHES
	ILLUMINATION:	INDIRECTLY ILLUMINATED	ILLUMINATION:	INTERNALLY ILLUMINATED (V)
	MAXIMUM MOUNTING HEIGHT:	6 FT	MOUNTING HEIGHT:	6 FT
	MAXIMUM NUMBER OF COLORS:	3	NUMBER OF COLORS:	2
	MINIMUM SIGN SETBACK:	25' SIGHT DISTANCE AT INTERSECTION	MINIMUM SIGN SETBACK:	COMPLIES
CANOPY SIGN	MAXIMUM SIGN AREA:	30% OF FACE OF CANOPY = 12.44 SF	SIGN AREA: ONE (1) 'DRIVE-THRU PHARMACY'	17.65 SF (V)
WALL SIGN	NUMBER OF FACADE SIGNS:	TWO (2)	NUMBER OF FAÇADE SIGNS	THREE (3) BUILDING SIGNS (V)
				-EXCLUDES STORE PLAQUE & RECEIVING ENTRANCE SIGNS
	MAXIMUM FACADE SIGN AREA:	10% OF THE FAÇADE AREA	FAÇADE SIGN AREA:	
	RANDOLPH ROAD —	RANDOLPH ROAD $- 96' \times 24.6' \times 0.1 = 236.1 \text{ SF}$		
			NORTH FACADE:	
			ONE (1) 'CVS PHARMACY'	74.43 SF
			ONE (1) 'STORE HOURS PLAQUE	1.87 SF
				<u>TOTAL 76.3 SF</u>
	PARK AVENUE – 136	5.6' X 23.3' X 0.1 = 318.2 SF	PARK AVENUE	
			EAST FACADE:	
			ONE (1) 'CVS PHARMACY'	74.43 SF
			ONE (1) 'DRIVE-THRU PHARMACY'	31.07 SF
			ONE (1) 'RECEVING ENTRANCE'	3.0 SF
				TOTAL 108.5 SF
	I		1	

<u>GRAPHIC SCALE</u>

'CVS PHARMACY' SIGNS

MAXIMUM VERTICAL DIMENSION:

MOUNTING HEIGHT:

ILLUMINATION:

PAVEMENT LEGEND PROPOSED HEAVY DUTY PAVEMENT PROPOSED MEDIUM DUTY PAVEMENT

N/S: NO STANDARD N/A: NOT APPLICABLE (E): EXISTING NON-CONFORMANCE (V): VARIANCE

MAXIMUM VERTICAL DIMENSION:

MAXIMUM MOUNTING HEIGHT:

(IN FEET) 1 INCH = 30 FT.ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

OMMENTS MAY NOT BE USED FOR CONSTRUCTION

B. NO AREA FOR TWENTY-FIVE OR MORE VEHICLES SHALL HAVE AN ENTRANCE OR EXIT FOR VEHICLES WITHIN 1,000 FEET ALONG THE SAME SIDE OF A STREET UPON WHICH IS LOCATED A SCHOOL PUBLIC PLAYGROUND, HOUSE OF WORSHIP, HOSPITAL, PUBLIC LIBRARY OR INSTITUTION FOR DEPENDENTS OR CHILDREN, EXCEPT WHERE SUCH PROPERTY IS IN ANOTHER BLOCK OR ON ANOTHER STREET ON WHICH THE ZONE LINE DOES NOT ABUT. SUCH ACCESS SHALL NOT BE CLOSER TO THE INTERSECTIONS OF ANY TWO (2) STREETS THAN FIFTY (50) FEET. (§17:9-43.N) (COMPLIES)

C. CURB CUTS FOR 20 FOOT WIDE DRIVEWAYS SHALL BE A MAXIMUM OF 26 FEET WIDE (§17:9-42.H) (V) SCREENING AND BUFFER REQUIREMENTS A. BUFFERING SHALL CONSIST OF A MINIMUM OF FIVE (5) FOOT WIDE AREA SURROUNDING ALL SIDES OF A PARKING LOT. WHERE SUCH PARKING AREA IS LOCATED ON A TRACT ADJACENT TO A RESIDENTIAL USE OR DISTRICT, SUCH BUFFERING SHÀLL CONSIST OF A MINIMUM TEN (10) FOOT WIDE AREA SURROUNDING ALL SIDES OF A PARKING LOT. (§ 17:9-24.B) (V) B. SCREENING SHALL CONSIST OF A MINIMUM FOUR (4) FOOT HIGH VISUALLY IMPERVIOUS SCREEN TO BE LOCATED WITHIN THE BUFFERING AREA. WHERE SUCH PARKING AREA IS LOCATED ON A TRACT ADJACENT TO A RESIDENTIAL USE OR DISTRICT SUCH SCREENING SHALL CONSIST OF A MINIMUM SIX (6) FOOT—HIGH VISUALLY IMPERVIOUS SCREEN. THE HEIGHT OF ANY REQUIRED SCREEN SHALL DECREASE TO A MAXIMUM OF THREE (3) FEET IN HEIGHT WHERE DRIVEWAYS APPROACH SIDEWALKS OR WALKWAYS, IN ORDER TO PROVIDE ADEQUATE VISIBILITY OF PEDESTRIANS FROM MOTOR

VEHICLES AND POLICE VISIBILITY INTO THE LOT. (§ 17:9-24.B.2) (COMPLIES) C. BUFFERING SHALL CONSIST OF A MINIMUM TEN (10) FOOT WIDE AREA SURROUNDING ALL SIDES OF A LOADING AREA. WHERE SUCH LOADING AREA IS LOCATED ON A TRACT ADJACENT TO A RESIDENTIAL USE OR DISTRICT, SUCH BUFFERING SHALL CONSIST OF A MINIMUM OF TWENTY-FIVE (25) FOOT WIDE AREA SURROUNDING ALL SIDES OF A PARKING LOT.(§17:9-24.D.1) (V) D. SCREENING SHALL CONSIST OF A MINIMUM TEN (10) FOOT HIGH VISUALLY IMPERVIOUS SCREEN. IF SUCH SCREEN CONSISTS OF A WALL OR FENCE, THE BUFFER AREA BETWEEN THE WALL OR FENCE AND THE LOT LINE SHALL BE A MINIMUM OF TEN (10) FEET IN WIDTH AND SHALL ALSO BE EXTENSIVELY PLANTED WITH BOTH DECIDUOUS AND EVERGREEN TREES. (§17:9–24.D.2) (V) E. IN ADDITION TO THESE EXISTING BUFFERING AND SCREENING STANDARDS, LOADING DOCKS, SOLID WASTE AND RECYCLING FACILITIES AND OTHER SERVICE AREAS SHALL BE TO THE REAR OR SIDE OF BUILDINGS IN VISUALLY OBTRUSTIVE LOCATIONS. SUCH FACILITIES AND AREA SHALL ALSO BE SCREENED WITH VEGETATION, DECORATIVE WALL OR OTHER MATERIALS.

(\$PAGRP:4.3.BUFFERING/SCREENING.b) (W) F. A SIX (6) FOOT BOARD ON BOARD FENCE SHALL BE CONSTRUCTED ALONG THE REAR YARD PROPERTY ABUTTING RESIDENTIAL PROPERTIES. (\$PAGRP:4.3.BUFFERING/SCREENING.c) (COMPLIES) A. FOR PARKING LOTS WITH ELEVEN (11) OR MORE SPACES, A MINIMUM OF FIVE PERCENT (5%) OF THE INTERIOR AREA OF THE PARKING LOT SHALL BE PROVIDED WITH PLANTING ISLANDS CONTAINING

A MINIMUM OF ONE DECIDUOUS TREE PLANTED FOR EVERY FIVE (5) PARKING SPACES ABUTTING SUCH ISLAND. (\$17:9-44.B) (COMPLIES) B. THE MINIMUM WIDTH OF THE PLANTING ISLANDS SHALL BE FIVE (5) FEET ON THE SIDE OF THE PARKING SPACES, TEN (10) FEET BETWEEN PARKING BAYS. (§17:9-44.B.1) (COMPLIES) C. NO MORE THAN EIGHT (8) PARKING SPACES SHALL BE PLACED IN ONE ROW OF PARKING WITHOUT AN INTERVENING LANDSCAPE ISLAND. (§17:9-43.B.2) (V) D. THE REMAINDER OF ANY SUCH INTERIOR PLANTING AREAS NOT CONTAINING TREES SHALL BE PLANTED WITH LOW-GROWING EVERGREEN SHRUBS. (§17:9-44.B.4) (COMPLIES) E. PLANTING SIZES. DECIDUOUS TREES SHALL HAVE A MINIMUM CALIPER OF THREE (3) INCHES AT TIME OF PLANTING. EVERGREEN TREES SHALL BE A MINIMUM OF SIX (6) FEET IN HEIGHT AT A TIME OF PLANTING. LOW GROWING EVERGREEN SHRUBS SHALL BE A MINIMUM OF TWO AND ONE—HALF (2-1/2) FEET IN HEIGHT AT THE TIME OF PLANTING. SIZE OF OTHER PLANTINGS SHALL DEPEND ON SETTING AND TYPE OF PLANT HATERIAN (317:11 11 P.) (2011) INCHES OF PLANTING OF PLANTING OF PLANTING SIZE OF OTHER PLANTINGS SHALL DEPEND ON SETTING AND TYPE OF PLANT HATERIAN (317:11 11 P.) (2011) INCHES OF PLANTING OF PLANTI

14. LIGHTING REQUIREMENTS A. SITES WITH GREATER THAN ONE HUNDRED (100) FEET OF STREET FRONTAGE SHALL PROVIDE DECORATIVE LAMPPOSTS APPROXIMATELY TEN (10) FEET TO TWELVE (12) FEET HIGH, SPACED AT INTERVALS OF APPROXIMATELY FORTY (40) FEET TO SIXTY (60) FEET ALONG OR NEAR ALL STREET LINES AND DRIVEWAYS. WALKWAYS IN THE INTERIOR OF A SITE SHALL HAVE DECORATIVE LAMPPOSTS APPROXIMATELY TEN (10) FEET TO TWELVE (12) FEET HIGH, SPACED AT INTERVALS OF APPROXIMATELY THIRTY (30) FEET TO FORTY (40) FEET. THE STYLE, SIZE, COLOR AND TYPE OF LIGHT SOURCE OF SUCH LAMPPOSTS SHALL BE DETERMINED IN ACCORDANCE WITH THIS ARTICLE. LIGHTING LEVELS FROM SUCH FIXTURES SHALL BE PROVIDED PURSUANT TO THIS ARTICLE. (§17:11-12.E) (W) B. THE FOLLOWING AVERAGE ILLUMINATION LEVELS SHALL BE MAINTAINED THROUGHOUT THE FOLLOWING USE AREAS (§17:11-12.F):

> ii. Loading areas shall maintain an average illumination level of 3.0-5.0 fc. (Complies) iii. PEDESTRIAN WALKWAYS SHALL MAINTAIN AN AVERAGE ILLUMINATION LEVEL OF 0.5-1.0 fc. **(COMPLIES)**

19. PARK AVENUE IS A COUNTY ROAD. APPROVAL FROM THE COUNTY IS NEEDED PRIOR TO CONSTRUCTION OF ANY PROPOSED IMPROVEMENTS WITH THE RIGHT-OF-WAY.

i. PARKING LOTS SHALL MAINTAIN AN AVERAGE ILLUMINATION LEVEL OF 1.0-2.5 fc. **(COMPLIES)**

SETTING AND TYPE OF PLANT MATERIAL. (§17:11-11.D) (COMPLIES)

C. IN NONRESIDENTIAL ZONE DISTRICTS, LIGHTING SHALL BE PROVIDED BY FIXTURES WITH A MOUNTING HEIGHT NOT MORE THAN TWENTY—FIVE (25) FEET OR THE HEIGHT OF THE BUILDING, WHICHEVER IS LESS, MEASURED FROM THE GROUND LEVEL TO THE CENTER LINE OF THE LIGHT SOURCE. (§17:11—12.G) (COMPLIES)

A. NO ILLUMINATED SIGN LOCATED ON A LOT ADJACENT TO OR ACROSS THE STREET FROM ANY RESIDENTIAL DISTRICT AND VISIBLE FROM SUCH RESIDENTIAL DISTRICT SHALL BE ILLUMINATED BETWEEN THE HOURS OF 11:00 P.M. AND 7:00 A.M., UNLESS THE USE TO WHICH THE SIGN PERTAINS IS OPEN FOR BUSINESS DURING THOSE HOURS. (§17:9-51.1.5) (WILL COMPLY) B. NO WALL SIGN MAY PROJECT MORE THAN NINE (9) INCHES FROM THE OUTER FACE OF A WALL AND SHALL NOT EXTEND OVER ANY PUBLIC RIGHT-OF-WAY, UNLESS OTHERWISE PROVIDED FOR IN THIS ARTICLE. ANY DESIRED WALL SIGN WHICH PROJECTS MORE THAN NINE (9) INCHES FROM THE OUTER WALL FACE SHALL BE CONSIDERED A PROJECTING SIGN AND MUST CONFORM TO ALL APPLICABLE PROVISIONS FOR PROJECTING SIGNS SET FORTH IN THIS ARTICLE. AN AWNING SHALL NOT BE CONSTRUED IN ANY WAY TO BE A WALL SIGN. (\$17:9-51.J.5) (COMPLIES)

16. THE APPLICANT REQUESTS ANY AND ALL SUBMISSION WAIVERS THAT ARE NOT SPECIFICALLY IDENTIFIED HEREIN. TESTIMONY WILL BE SUPPLIED AT THE PUBLIC HEARING TO SUPPORT SAID SUBMISSION WAIVERS. 17. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS BY ALL OF THE PERMITTING AUTHORITIES. 18. ALL DRIVEWAYS TO BE CONSTRUCTED OF ASPHALT OR CONCRETE (§17:9-42.1)

LANDSCAPING/DESIGN STANDARD.a) (COMPLIES) B. WALKWAYS AND SIDEWALKS SHALL BE A MINIMUM OF FOUR (4) FEET WIDE AND SHALL BE DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA). (\$PAGRP: 4.3.MISCELLANEOUS/DESIGN STANDARDS.b) (COMPLIES) C. THE MINIMUM SETBACKS FOR BUILDINGS FROM DRIVEWAYS AND PARKING AREAS WITHIN THE SITE SHALL BE FIVE (5) FEET. (§17:9-43.D) (COMPLIES) D. SURFACE PARKING IN THE FRONT YARD SHALL ONLY BE PERMITTED TO MEET THE MINIMUM REQUIRED PARKING FOR NON-RESIDENTIAL USES. (\$PAGRP: 4.3.PARKING AREA LANDSCAPING/DESIGN STANDARDS.c) (COMPLIES) E. PARKING SPÁCÈS ARE TÓ BE A MINIMUM OF NINE (9) FEET BY EIGHTEEN (18) FEET. (§17:9–43.Q) **(COMPLIES)**

A. ANY SURFACE PARKING MUST BE SCREENED FROM STREET VIEW THROUGH THE USE OF LANDSCAPING, DECORATIVE FENCING, OR CONSTRUCTION OF WALLS. (\$PAGRP: 4.3.PARKING AREA

EXISTING

397.6

1.6'**(E)**

N/A

N/A

<55'

2.5%

85.8%

14.2%

2.908 Ac (126,673 SF)

PROPOSED LOT A

53.5

99.6'

N/A

82.2'

27.7

N/A

22.7%

80.0%

20.0%

0.227

28'

1.497 AC (65,228 SF)

PROPOSED LOT B

78.0

29.6' **(V)**

1.6' **(V)**

N/A

<55'

4.4%

83.7%

16.3%

0.044

1.411 AC (61,445 SF)

F. FOR NON-RESIDENTIAL USES, PARKING AREAS WITH MORE THAN TWENTY-FIVE (25) SPACES SHALL HAVE ENTRANCES AND EXITS SEPARATED BY A LANDSCAPED TRAFFIC ISLAND, WHERE POSSIBLE. G. WHERE PARKING IS PROVIDED, PARKING LOT AISLES SHALL MEASURE AS FOLLOWS (§17:11-15.B) (COMPLIES): i. ANGLE OF PARKING STALL AT 60 DEGREES:

N/S: NO STANDARD N/A: NOT APPLICABLE (E): EXISTING NON-CONFORMANCE (V): VARIANCE

PAGRP

100'

90%

2.75

43,560 SF

1. WIDTH OF ONE-WAY TRAFFIC AISLE: 18 FEET 2. WIDTH OF TWO-WAY TRAFFIC AISLE: NOT PERMITTED ii. ANGLE OF PARKING STALL AT 90 DEGREES: 1. WIDTH OF ONE-WAY TRAFFIC AISLE: 24 FEET

2. WIDTH OF TWO-WAY TRAFFIC AISLE: 24 FEET

SCHEDULE OF ZONING REQUIREMENTS (§ SCHEDULE B) (PAGRP§4.3)

MINIMUM FRONT YARD SETBACK (PARK AVENUE)

MINIMUM FRONT YARD SETBACK (RANDOLPH ROAD)

MINIMUM FRONT YARD SETBACK (LARAMIE ROAD)

ZONE REQUIREMENT

MINIMUM LOT AREA

MINIMUM LOT WIDTH

MINIMUM REAR YARD SETBACK

MINIMUM SIDE YARD SETBACK

MAXIMUM BUILDING HEIGHT

MINIMUM COMBINED SIDE YARD SETBACK

MAXIMUM PERCENT BUILDING COVERAGE

MAXIMUM PERCENT TOTAL LOT COVER

MINIMUM COMMON OPEN SPACE

MAXIMUM FAR (FLOOR AREA RATIO

PARKING REQUIREMENTS

H. WHERE SIDEWALKS ABUT THE ENDS OF PARKING SPACES, WHEEL STOPS SHALL BE PROVIDED SO THAT PARKED VEHICLES DO NOT OVERHANG OR EXTEND OVER THE SIDEWALK, UNLESS AN ADDITIONAL TWO (2) FEET OF SIDEWALK WIDTH IS PROVIDED IN ORDER TO ACCOMMODATE SUCH OVERHANG. WHERE WHEEL STOPS ARE INSTALLED, THE LENGTH OF THE PARKING SPACE SHALL BE MEASURED FROM THE CURB LINE TO THE END OF THE PARKING SPACE. (§17:11-15.C) (COMPLIES) I. RETAIL SALES AND SERVICES: ONE (1) PARKING SPACE PER THREE-HUNDRED (300) SQUARE FEET OF GROSS FLOOR AREA. (§17:9-43.J)

BUILDING HEIGHT FOR USES WITH 2 FLOORS

INTERNALLY ILLUMINATED

PROPOSED CONCRETE

Know what's DelOW
Call before you dig.

OR STATE SPECIFIC DIRECT PHONE NUMBERS VIS WWW CALL 811 COM

CS PROJECT NUMBER:12232 **DYNAMIC**

pharmacy

13K CORNER ENTRY, BUMP-OUT

DRIVE-THRU (RIGHT) MEZZANINE

PARK AVENUE (CR 531) & RANDOLPH ROAD

CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY

BLOCK 729, LOT 1

ENGINEERING

PA Office
790 Newtown Yardley Road - Suite 4:

Newtown, PA 18940 T: 267.685.0276 F: 267.685.0361 Houston Texas Office Houston, TX 77079 T: 281.789.6400

Texas Reaistered Fnair

KYLE C. KAVINSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

NEW JERSEY LICENSE No. 41938

1204 PARK AVENUE ASSOCIATES LLC BLOOMFIELD, NJ 07003

TEL: (973)-429-7900 EXT. 218 PROJECT CONTACT: GLENN DOMENICK

Rev.	Date	Comments	Ву
2	05/06/20	REV. PER CITY COMMENTS	KJH
	0.4 /0.0 /0.0	DEL DED OUT COLUMNIA	12 11 1

(H) 1"=30¹ KJH

02/06/2020

2340-99-008

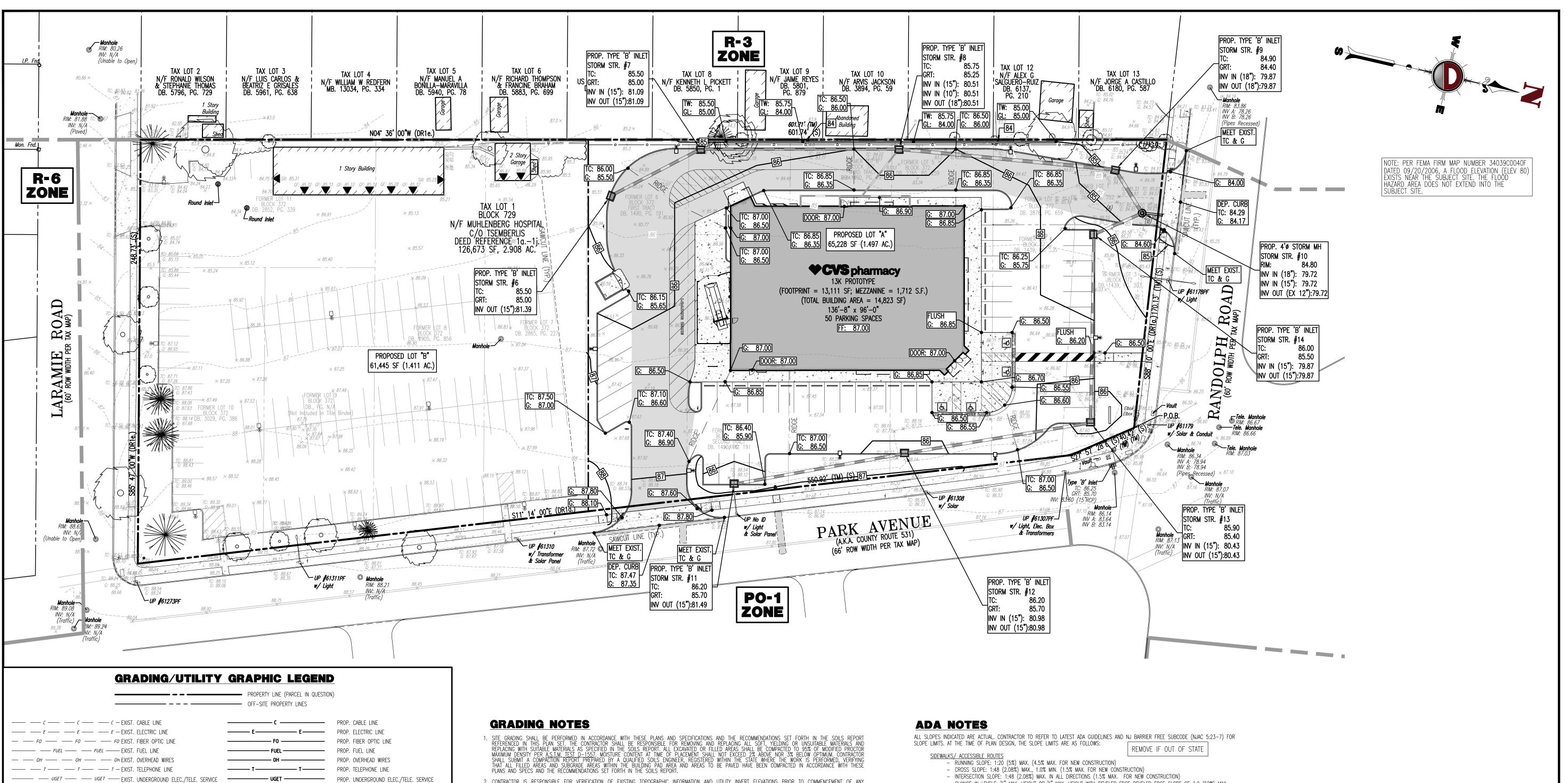
5 INCHES

2.81 FT **(V)**

INTERNALLY ILLUMINATED

SITE PLAN

THIS PLAN IS FOR APPROVAL PROCESS ONLY AND



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 ALL CONCRETE SURFACES, AND 1-1/2% MIN. ON ASPHALT, TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY EFFECT THE PUBLIC SAFETY OR PROJECT 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
- 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 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.
- 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.
- 11. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE OWNER'S GEOTECHNICAL ENGINEER PRIOR TO ONSET OF CONSTRUCTION TO SUBMIT AND 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.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR AS-BUILT PLANS AND GRADE CONTROL UNLESS DEFINED OTHERWISE ELSEWHERE IN THE CONTRACT DOCUMENTS.

- INTERSECTION SLOPE: 1:48 (2.08%) MAX. IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)
- CHANGE IN LEVELS: 1/4" MAX. HEIGHT OR 1/2" MAX. HEIGHT WITH BEVELED EDGE BEVELED EDGE SLOPE OF 1:2 (50%) MAX. GAPS: 1/2" MAX. WIDTH ELONGATED OPENINGS SHALL BE PLACED SO LONG DIMENSION IS PERPENDICULAR TO PATH OF

CURB RAMP

- SLOPE 1:12 (8.3%) MAX. (7.4% MAX. FOR NEW CONSTRUCTION)

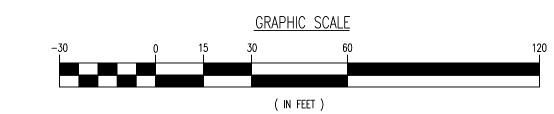
- SLOPE 1:12 (8.3%) MAX. (7.4% MAX. FOR NEW CONSTRUCTION)

- SIDE FLARE SLOPE: 1:10 (10%) MAX. (WHERE PEDS CROSS RAMP) - BOTTOM LANDING: 48" MIN. LENGTH; WIDTH TO MATCH CURB RAMP; 1:48 MAX. (2.08%) IN ALL DIRECTIONS (1.5% MAX. FOR
- TOP LANDING: 36" MIN. LENGTH; WIDTH TO MATCH CURB RAMP; 1:48 MAX. (2.08%) CROSS SLOPE (1.5% MAX. FOR NEW CONSTRUCTION) AND 1:20 (5%) RUNNING SLOPE (4.5% MAX FOR NEW CONSTRUCTION)

SPACE AND ACCESS AISLE SLOPE: 1:48 MAX. (2.08%) IN ALL DIRECTIONS (1.5% MAX. FOR NEW CONSTRUCTION)

- RUNNING SLOPE: 1:20 (5%) MAX. (4.5% MAX. FOR NEW CONSTRUCTION) - CROSS SLOPE: 1:48 (2.08%) MAX. (1.5% MAX. FOR NEW CONSTRUCTION)

- CHANGE IN LEVELS: 1/2" MAX. HEIGHT OR 1/2" MAX. HEIGHT WITH BEVELED EDGE. BEVELED EDGE SLOPE OF 1:2 (50%) MAX. GAPS: 1/2" MAX. WIDTH ELONGATED OPENINGS SHALL BE PLACED SO LONG DIMENSION IS PERPENDICULAR TO PATH OF
- SLOPE: 1:12 (8.3%) MAX. (7.4% MAX. FOR NEW CONSTRUCTION)
- EXISTING RAMPS; SLOPE: 1:10 (10%) MAX. FOR RISE OF 6"; 1:8 (12.5%) MAX. FOR MAX. RISE OF 3"
- MAX. RISF: 30" MIN. CLEAR WIDTH: 36"
- MIN. LANDING CLEAR LENGTH: 60" - MAX. CROSS SLOPE: 1:48 (2.08%) (1.5% MAX. FOR NEW CONSTRUCTION)



1 INCH = 30 FT.

PROTECT YOURSELF ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE Know what's DEIOW
Call before you dig. OR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT

WWW CALL811 COM



13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE STORE NUMBER:

BLOCK 729, LOT 1

PARK AVENUE (CR 531) & RANDOLPH ROAD CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY CS PROJECT NUMBER:12232



Houston Texas Office 14521 Old Katy Road - Suite 250 Houston, TX 77079 T: 281.789.6400

KYLE C. KAVINSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

ROBERT P. FREUD NEW JERSEY LICENSE No. 41938

1204 PARK AVENUE ASSOCIATES LLC

TEL: (973)-429-7900 EXT. 218

BLOOMFIELD, NJ 07003

PROJECT CONTACT: GLENN DOMENICK

(H) 1"=30' KJH DESIGNED BY: JMV RPF

02/06/2020 2340-99-008

2 05/06/20 REV. PER CITY COMMENTS

1 04/09/20 REV. PER CITY COMMENTS

GRADING PLAN

COMMENTS: THIS PLAN IS FOR APPROVAL PROCESS ONLY AND MAY NOT BE USED FOR CONSTRUCTION

EXIST. TRAFFIC SIGNAL POLE EXIST. MANHOLE === EXIST. "A" INLET exist. "B" inlet EXIST. "E" INLET EXIST. YARD INLET EXIST. FLARED END SECTION EXIST. HEADWALL

(NO. & SIZE OF CONDUITS NOT DEFINED)

EXIST. MINOR CONTOUR & ELEVATION

EXIST. MAJOR CONTOUR & ELEVATION

EXIST. MONITORING WELL

EXIST. GUTTER ELEV.

EXIST. FIRE HYDRANT

EXIST. WATER VALVE

EXIST. GAS VALVE

EXIST. GAS METER

EXIST. ELECTRIC METER

EXIST. WATER SHUT OFF VALVE

EXIST. TELEPHONE BOX EXIST. CABLE TV BOX EXIST. UTILITY POLE

EXIST. ELECTRIC BOX

EXIST. CLEAN OUT

EXIST. GUY WIRE

EXIST. LIGHT POLE

EXIST. BUILDING LIGHT EXIST. SHOE BOX LIGHT

EXIST. COBRA LIGHT POLE

EXIST. WELL

EXIST. TOP OF CURB ELEV.

EXIST. FINISH FLOOR ELEV.

EXIST. GARAGE FLOOR ELEV.

APPROX. TEST PIT LOCATION

EXIST. STORM DRAIN LINE

PROP. WATER LINE

PROP. STORM DRAIN LINE

G: 000.00

_____s ____s ____

PROP. OUTLET CONTROL STRUCTURE PROP. DRAINAGE MANHOLE PROP. 'A' INLET PROP. 'B' INLET PROP. 'E' INLET

PROP. YARD INLET

PROP. SANITARY SEWER MANHOLE

PROP. FLARED END SECTION

(NO. & SIZE OF CONDUITS NOT DEFINED)

PROP. TOP OF CURB & FINISHED GRADE ELEV.

@ HIGH SIDE OF EXTENDED CURB & (GL) FINISHED GRADE @ LOW SIDE OF EXTENDED CURB

PROP. SANITARY SEWER LINE

PROP. FINISH GRADE CONTOUR & ELEVATION

G: 000.00 PROP. GRADE SPOT ELEV.

FF: 000.00 PROP. FINISHED FLOOR ELEV.

TW: 000.00 | PROP. TOP OF WALL & FINISHED GRADE @ LOW SIDE OF WALL (ACTUAL BOTTOM OF WALL FOOTING TO BE ESTABLISHED BY WALL DESIGNER)

TC: 000.00 PROP. TOP OF EXTENDED CURB, (GH) FINISHED GRADE

PROP. DIRECTION OF DRAINAGE FLOW ARROW

PROP. WATER VALVE

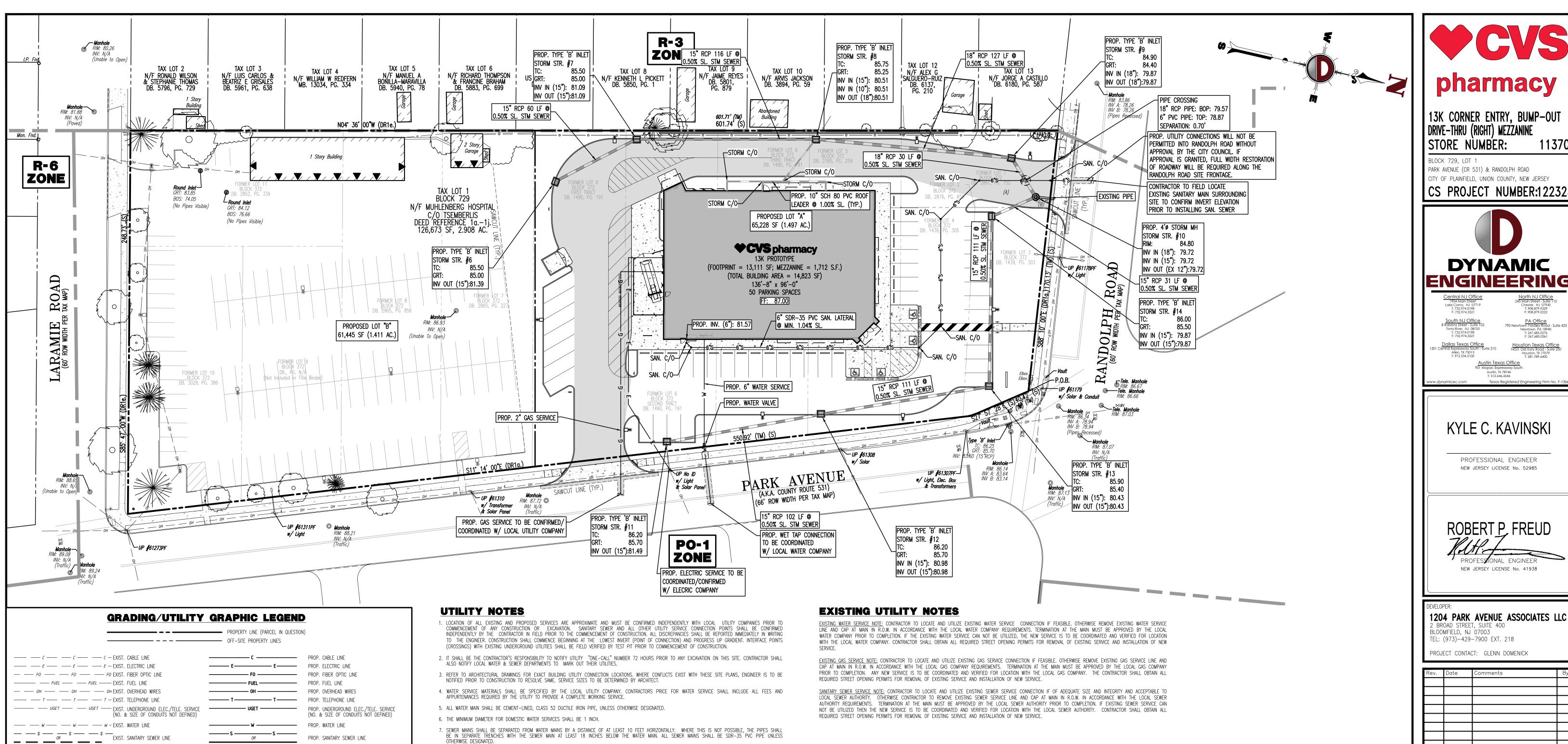
PROP. GAS VALVE

PROP. STORM CLEANOUT

PROP. AREA LIGHT

• PROP. SANITARY CLEANOUT

PROP. HEADWALL



7. 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

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

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. 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.

11. ROOF LEADER COLLECTION PIPING ARE CONCEPTUAL IN NATURE AND ARE NOT FOR CONSTRUCTION. ACTUAL ROOF LEADER COLLECTION PIPING IS TO BE COORDINATED W/ ARCHITECTURAL PLANS FOR EACH INDIVIDUAL BUILDING. ALL ROOF LEADER COLLECTION PIPING SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE

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.

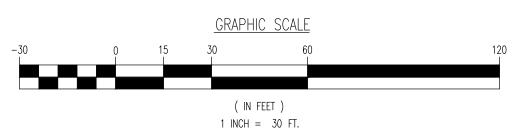
14. MANUFACTURED REINFORCED CONCRETE STORM PIPE TO CONFORM TO ASTM C-76, CLASS III, UNLESS OTHERWISE DESIGNATED. MANUFACTURED REINFORCED CONCRETE ELLIPTICAL STORM PIPE TO CONFORM TO ASTM C-507, CLASS HE-III, UNLESS OTHERWISE DESIGNATED. REINFORCED CONCRETE STORMWATER PIPE TO BE INSTALLED IN ACCORDANCE WITH AMERICAN CONCRETE PIPE ASSOCIATION INSTALLATION GUIDELINES AND MORTAR OR PREFORMED FLEXIBLE JOINT SEALANTS IN ACCORDANCE WITH ASTM C 990 TO BE UTILIZED TO PROVIDE A SILT-TIGHT JOINT. WHERE SPECIFICALLY INDICATED, REINFORCED CONCRETE STORM PIPE JOINTS SHALL BE WATERTIGHT AND CONFORM TO ASTM C-443.

15. HDPE DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNULAR EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2306. SOLID PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM D3212. PERFORATED PIPE SHALL HAVE GASKETED SILT-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM F2306 AND ASTM F477. HDPE PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HDPE PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURE RECOMMENDATIONS.

16. HP DRAINAGE PIPE SHALL HAVE A SMOOTH WALL INTERIOR WITH ANNULAR EXTERIOR CORRUGATIONS AND CONFORM TO ASTM F2736 (12"-30" PIPE) AND ASTM F2881 (36"-60" PIPE). PIPE SHALL HAVE GASKETED WATER-TIGHT JOINTS MEETING THE REQUIREMENTS OF ASTM D3212 AND ASTM F477. FIELD WATERTIGHTNESS PERFORMANCE VERIFICATION MAY BE ACCOMPLISHED IN ACCORDANCE WITH ASTM F2487. HP PIPE SHALL BE FROM A MANUFACTURER WHO IS AN EASTERN STATES CONSORTIUM (ESC) QUALIFIED MANUFACTURER OF HP STORM PIPE AND INSTALLED IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS.

17. PIPE LENGTHS ON THIS PLAN HAVE BEEN MEASURED AS THE DISTANCE BETWEEN THE CENTER POINT OF THE 2 CONNECTED STRUCTURES. ACTUAL PHYSICAL PIPE LENGTH FOR INSTALLATION IS EXPECTED TO BE LESS AND SHOULD BE ACCOUNTED FOR BY THE CONTRACTOR ACCORDINGLY

18. ANY EXPOSED ELECTRIC OR NATURAL GAS UTILITY COMPONENTS ON THE EXTERIOR OF THE BUILDING MUST BE PROTECTED BY BOLLARDS FROM DAMAGE.



PROTECT YOURSELF ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE Know what's DEIOW
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13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE STORE NUMBER:

BLOCK 729, LOT 1

PARK AVENUE (CR 531) & RANDOLPH ROAD CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY



Houston Texas Office

KYLE C. KAVINSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

ROBERT P. FREUD NEW JERSEY LICENSE No. 41938

1204 PARK AVENUE ASSOCIATES LLC BLOOMFIELD, NJ 07003

TEL: (973)-429-7900 EXT. 218

Rev.	Date	Comments	Ву
2		REV. PER CITY COMMENTS	KJI
1	04/09/20	REV. PER CITY COMMENTS	KJ

RPF

02/06/2020

2340-99-008

DRAINAGE & UTILITY PLAN

COMMENTS: THIS PLAN IS FOR APPROVAL PROCESS ONLY AND MAY NOT BE USED FOR CONSTRUCTION

PROP. 'B' INLET PROP. 'E' INLET

PROP. 'A' INLET

PROP. SANITARY SEWER MANHOLE

PROP. AREA LIGHT PROP. OUTLET CONTROL STRUCTURE

PROP. DRAINAGE MANHOLE

PROP. YARD INLET

PROP. FLARED END SECTION

PROP. HEADWALL

PROP. SANITARY SEWER LINE

G: 000.00 PROP. GRADE SPOT ELEV.

FF: 000.00 PROP. FINISHED FLOOR ELEV.

PROP. FINISH GRADE CONTOUR & ELEVATION

TW: 000.00 OF WALL (ACTUAL BOTTOM OF WALL FOOTING TO BE ESTABLISHED BY WALL DESIGNER)

PROP. DIRECTION OF DRAINAGE FLOW ARROW

PROP. WATER VALVE

PROP. STORM CLEANOUT

PROP. GAS VALVE

• PROP. SANITARY CLEANOUT

PROP. TOP OF CURB & FINISHED GRADE ELEV.

PROP. TOP OF WALL & FINISHED GRADE @ LOW SIDE

PROP. TOP OF EXTENDED CURB, (GH) FINISHED GRADE

@ HIGH SIDE OF EXTENDED CURB & (GL) FINISHED GRADE @ LOW SIDE OF EXTENDED CURB

PROP. STORM DRAIN LINE

APPROX. TEST PIT LOCATION EXIST. SPOT ELEVATIONS EXIST. GUTTER ELEV. EXIST. TOP OF CURB ELEV.

EXIST. GARAGE FLOOR ELEV. EXIST. FIRE HYDRANT EXIST. WATER VALVE EXIST. GAS VALVE

EXIST. MINOR CONTOUR & ELEVATION

EXIST. MAJOR CONTOUR & ELEVATION

EXIST. MONITORING WELL

EXIST. FINISH FLOOR ELEV.

_ _ _ _ _ _ _ _

EXIST. STORM DRAIN LINE

× FF: 8.90

EXIST. GAS METER EXIST. ELECTRIC METER EXIST. ELECTRIC BOX EXIST. CLEAN OUT EXIST. WELL

EXIST. TELEPHONE BOX EXIST. CABLE TV BOX EXIST. UTILITY POLE EXIST. GUY WIRE EXIST. LIGHT POLE EXIST. BUILDING LIGHT

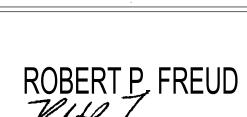
EXIST. WATER SHUT OFF VALVE

EXIST. SHOE BOX LIGHT EXIST. COBRA LIGHT POLE EXIST. TRAFFIC SIGNAL POLE EXIST. MANHOLE === EXIST. "A" INLET

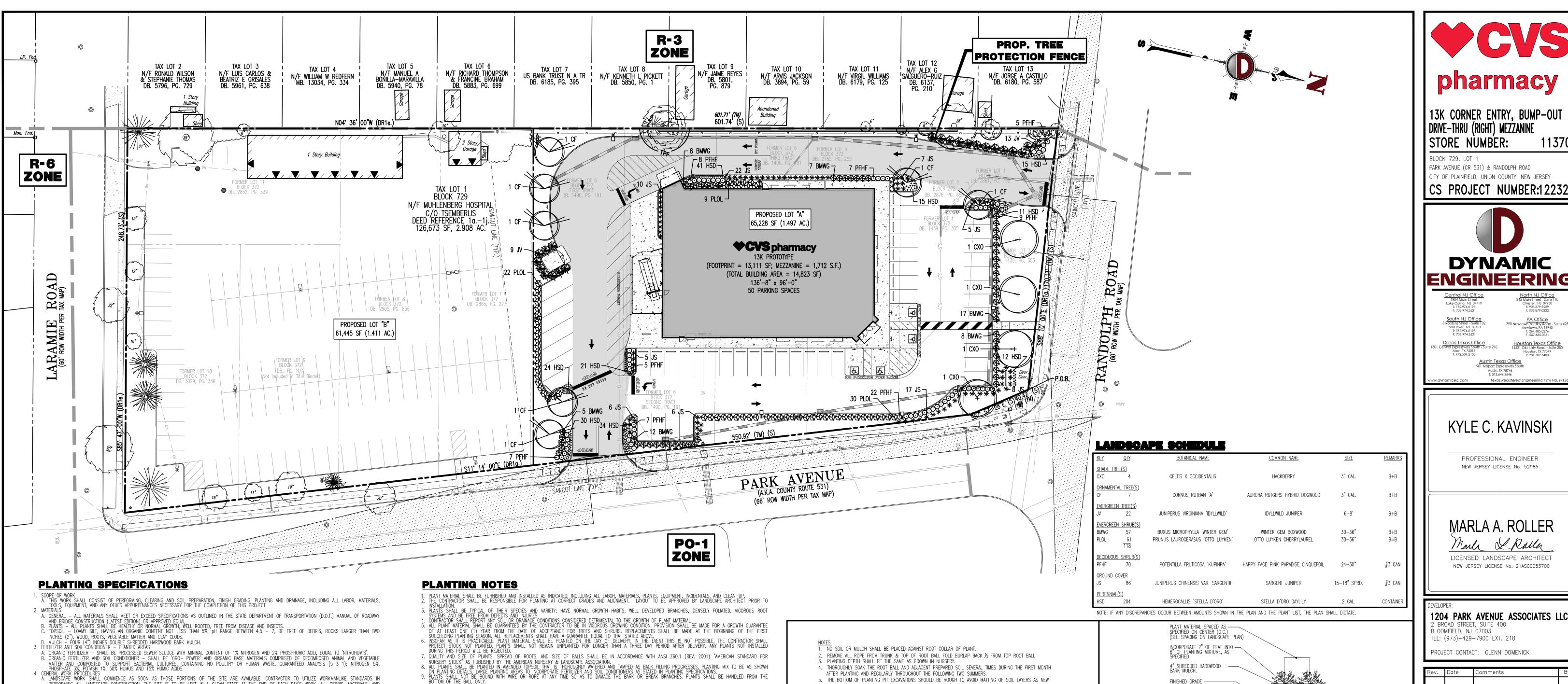
> EXIST. "B" INLET EXIST. "E" INLET EXIST. YARD INLET EXIST. FLARED END SECTION EXIST. HEADWALL

Houston, TX 77079 T: 281.789.6400





PROJECT CONTACT: GLENN DOMENICK



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

 6. TOPSOILING A. CONTRACTOR TO PROVIDE A 4" THICK TOPSOIL LAYER IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE 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 NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE
- 7. SOIL CONDITIONING: 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.:
- 20 POUNDS 'GRO-POWER' 100 POUNDS AGRICULTURAL GYPSUM 20 POUNDS NITROFORM (COURSE) 38-0-0 BLUE CHIP
- A. THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS.

 USE COMPOSTED BARK, RECYCLED YARD WASTE OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A 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. 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. 8. PLANTING POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING OSTION TREES AND SHOULS AT THEIR INTERVED EDUCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING TIS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.

 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:

 1 PART PEAT MOSS BY VOLUME
 1 PART COW MANURE BY VOLUME
 3 PARTS TOPSOIL BY VOLUME

 - 21 GRAM 'ACRIFORM' PLANTING TABLETS AS FOLLOWS:
 2 TABLETS PER 1 GAL. PLANT
 3 TABLETS PER 5 GAL. PLANT
- 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.
- 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. 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 BE WEEDED PRIOR
- TO APPLYING PRE-EMERGENT. PRE-EMERGENT TO BE APPLIED AS PER MANUFACTURER'S RECOMMENDATION. 10. FINISH GRADING 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 A MAINTENANCE BOND FROM THE CONTRACTOR FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE COMMENCEMENT OF THE GUARANTEE PERIOD AND PASSES A FINAL INSPECTION BY THE OWNER OR OWNERS REPRESENTATIVE.
- ALLINON 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 CUT 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. 13. MAINTENANCE (ALTERNATE BID) COST PER MONTH AFTER INITIAL 90-DAY MAINTENANCE PERIOD.

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.

9. PLANTS 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 MUDDLY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH "WILT-PRUIF" OR FOLIAL AS PER MANUIFACTURERS'S INSTRICTIONS.

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.

11. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.

12. SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.

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 SHORTENED.

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 ESTITIZED. 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.

18. 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 POLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER AS REQUIRED BY OR ASSOCIATED WITH A SUBDIVISION OF STREED AND APPROVED BY THE BLANKING BOARD OF ADMISSION FOR ADMISSIONED REASONS. OR SITE PLAN APPROVAL BY THE PLANNING BOARD OR ZONING BOARD OF ADJUSTMENT SHALL BE INSTALLED DURING THE FOLLOWING PLANTING SEASONS:

9/15 TO 12/1 FURTHERMORE, THE FOLLOWING TI TREES IN THIS SEASON. ARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED WITH DIGGING THESE

POPULUS VARIETIES
PRUNUS VARIETIES
PYRUS VARIETIES
QUERCUS VARIETIES
SALIX WEEPING VARIETIES
TILIA TOMANTOSA ACER RUBRUM BETULA VARIETIES CARPINUS VARIETIE CRATAEGUS VARIETIES KOELREUTERIA IQUIDAMBAR STYRACIFLUA IRIODENDRON TULIPIFERA ZELKOVA VARIETIES

3/15 TO 12/15

3/15 TO 6/15

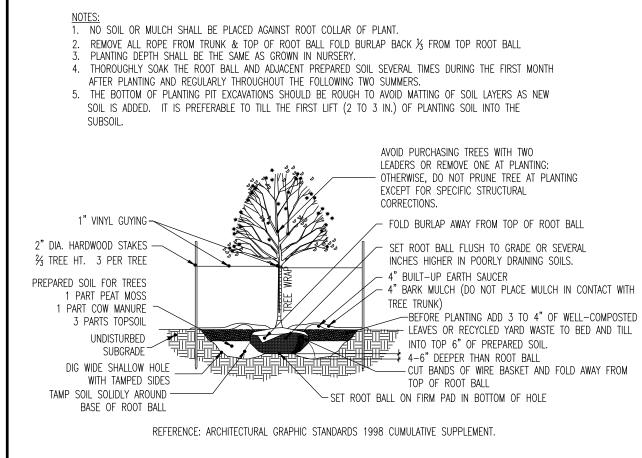
ANY PLANTINGS INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE THE WRITTEN APPROVAL BY THE MUNICIPAL ENGINEER OR LANDSCAPE ARCHITECT, PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR 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.

IRRIGATION NOTE:

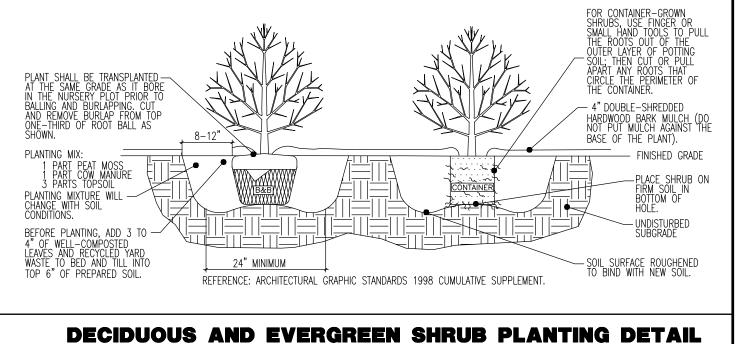
PLANTS

LAWN

CONTRACTOR TO PROVIDE AN IRRIGATION DESIGN FOR BOTH LAWN & BED AREAS. DESIGN IS TO BE SUBMITTED TO THE PROJECT LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR TO VERIFY STATIC PRESSURE PRIOR TO DESIGN. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRESSURE REDUCING DEVICES REQUIRED TO MEET MAXIMUM PRESSURE REQUIREMENT. SYSTEM DESIGN TO SHOW ALL VALVES PIPING, HEADS, BACKFLOW PREVENTION, METERS AND CONTROLLERS. ÁLL SLEEVES IN PAVEMENT AREAS MUST BE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFLOW PREVENTION DEVICE INSTALLATION AND PERMITTING.



DECIDUOUS TREE PLANTING DETAIL NOT TO SCALE



GRAPHIC SCALE (IN FEET) 1 INCH = 30 FT.

PERENNIAL/GROUND COVER PLANTING DETAIL

NOT TO SCALE

PERENNIAL GROUNDCOVER/SPACING DETAIL

NOT TO SCALE

MINIMUM 4" TOPSOIL-

EXISTING SUBSOIL —

SPACING "D" SPACING "A"

10" O.C.

5" O.C

18" O.C.

24" O.C.

30" O.C.

36" O.C.

6.93"

8.66"

10.40"

13.00"

15.60"

20.80"

26.00"

30.00"

ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE Know what's DelOW
Call before you dig. OR STATE SPECIFIC DIRECT PHONE NUMBERS VIS

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pharmacy

13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE STORE NUMBER:

PARK AVENUE (CR 531) & RANDOLPH ROAD CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY



DYNAMIC ENGINEERING

KYLE C. KAVINSKI

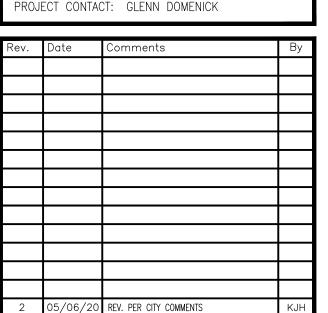
PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

MARLA A. ROLLER

LICENSED LANDSCAPE ARCHITECT NEW JERSEY LICENSE No. 21AS00053700

1204 PARK AVENUE ASSOCIATES LLC [,] BROAD STREET, SUITE 400

TEL: (973)-429-7900 EXT. 218



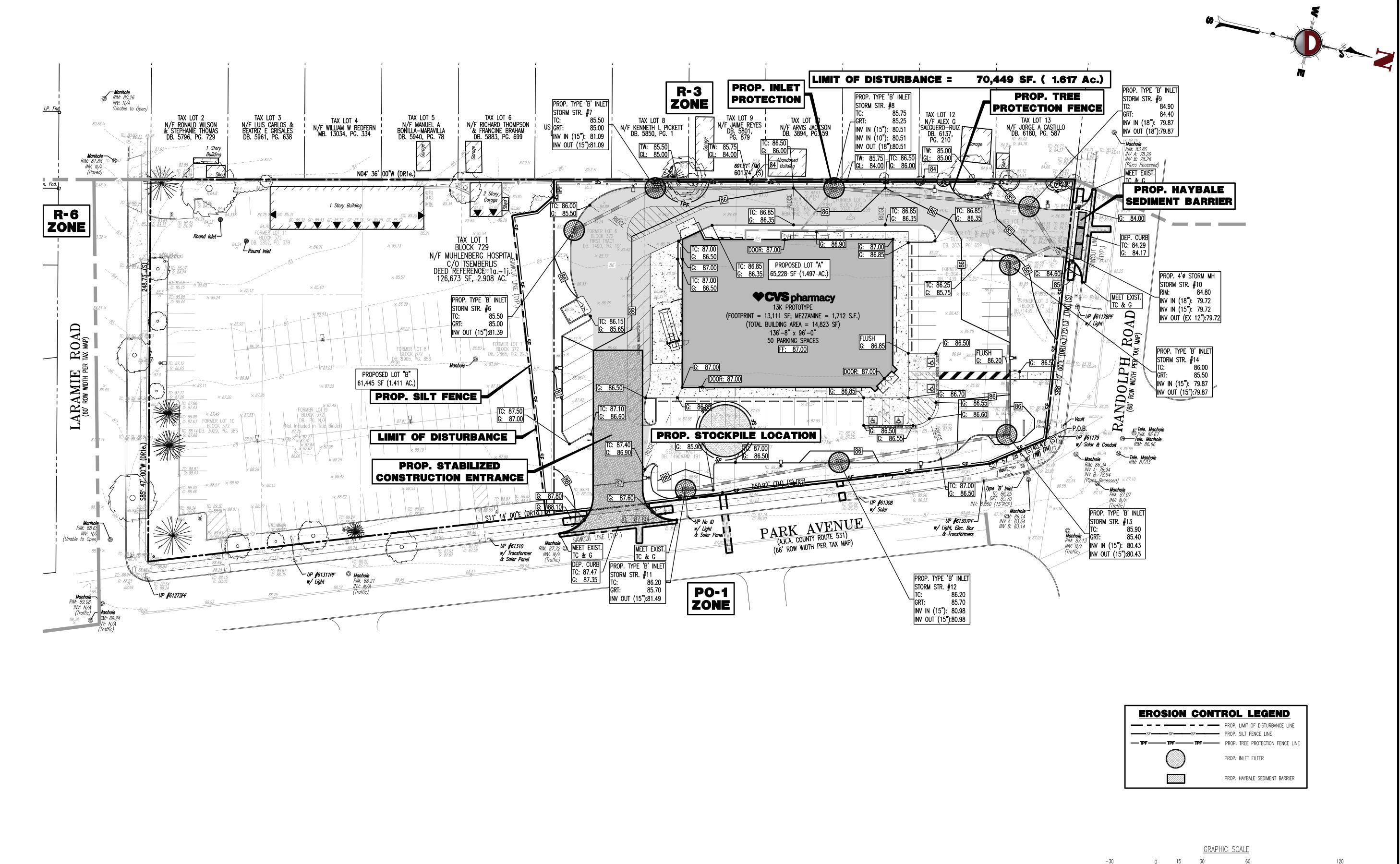
1 04/09/20 REV. PER CITY COMMENTS (H) 1"=30' KJH ESIGNED BY: JMV RPF

02/06/2020

2340-99-008

LANDSCAPING PLAN

COMMENTS this plan is for approval process only and MAY NOT BE USED FOR CONSTRUCTION



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(IN FEET) 1 INCH = 30 FT.



13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE

STORE NUMBER: BLOCK 729, LOT 1

PARK AVENUE (CR 531) & RANDOLPH ROAD CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY CS PROJECT NUMBER:122324



Houston Texas Office 14521 Old Katy Road - Suite 250 Houston, TX 77079 T: 281.789.6400

KYLE C. KAVINSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

ROBERT P. FREUD NEW JERSEY LICENSE No. 41938

1204 PARK AVENUE ASSOCIATES LLC BLOOMFIELD, NJ 07003

TEL: (973)-429-7900 EXT. 218 PROJECT CONTACT: GLENN DOMENICK

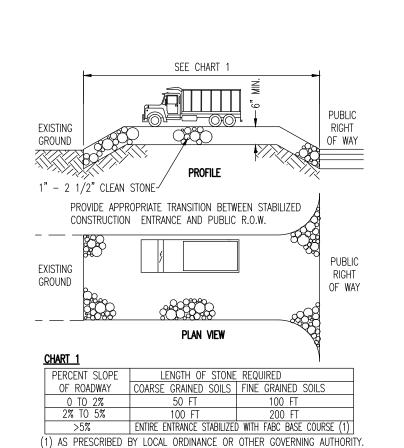
Rev.	Date	Comments	By
2	05/06/20	REV. PER CITY COMMENTS	KJ
1	04/09/20	REV. PER CITY COMMENTS	KJ

02/06/2020 2340-99-008

SOIL EROSION & SEDIMENT CONTROL PLAN

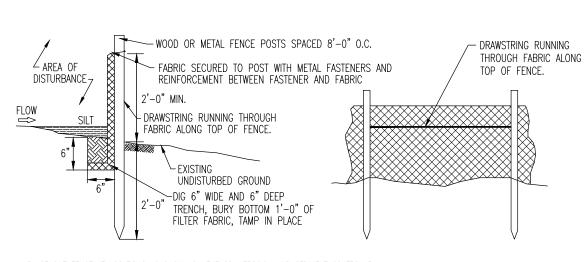
COMMENTS: THIS PLAN IS FOR APPROVAL PROCESS ONLY AND MAY NOT BE USED FOR CONSTRUCTION

SEE SHEET 09 OF 17 FOR SOIL EROSION NOTES & DETAILS



STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



1. PLACE SILT FENCE AT LOCATIONS AS SHOWN ON THE SOIL FROSION AND SEDIMENT CONTROL PLAN. 2. THE SLOPE OF THE LAND FOR AT LEAST 30 FFFT ADJACENT TO ANY SILT FENCE SHALL NOT EXCEED 5 PERCENT 3. SILT FENCE SHALL BE INSTALLED SO WATER CANNOT BYPASS THE FENCE AROUND THE SIDES.

(MAX SIDE

SLOPE TYP.)

CONSTRUCT SILT FENCE OR HAYBALES -

(AS NEEDED) AROUND PERIMETER OF

4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS POSSIBLE. 5. SILT FENCE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE INSTRUCTED BY THE TOWNSHIP ENGINEER OR SOIL CONSERVATION DISTRICT 6. THE BARRIER SHALL BE REMOVED WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM

FLOW OR DRAINAGE 7. FENCE POSTS SHALL BE SPACED 8 FEET CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD A MIN. DIAMETER THICKNESS OF 1 1/2 INCHES. 8. A METAL FENCE WITH 6 INCH OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, T PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT

9. A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE GROUND. FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBRING, GROMMETS, WASHERS ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST, THE FABRIC SHAL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

- MAINTAIN STOCK PILE

ACCORDANCE WITH

STABILIZATION NOTES

SURFACE IN

TEMPORARY

SILT FENCE DETAIL

SEQUENCE OF CONSTRUCTION:

- PHASE 1: INSTALL STONE ANTI-TRACKING PAD AND OTHER SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING DOWN
- SLOPE PERIMETER HAYBALES, SILT FENCING AND TREE PROTECTION FENCING. PHASE 2: CLEAR AND ROUGH GRADE FOR NEW BUILDING SITE AND OTHER STRUCTURES REQUIRING EXCAVATION.

PHASE 3: EXCAVATION, CONSTRUCTION, AND STABILIZATION OF DETENTION BASIN(S), 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 INCLUDING CURBING, UNDERGROUND PIPING, AND DRAINAGE STRUCTURES.

PHASE 7: FINAL GRADING ON SITE. PHASE 8: INSTALL PAVING, CONCRETE, AND FINAL VEGETATION INCLUDING SEEDING AND LANDSCAPING.

AND TREE PROTECTION FENCING.

SOIL EROSION & SEDIMENT CONTROL NOTES:

. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL, AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. . ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMPORARY SEEDING. THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BE BOUND IN ACCORDANCE WITH THE STATE STANDARDS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER)

IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2 TONS PER ACRE, ACCORDING TO STATE STANDARDS. . STABILIZATION SPECIFICATIONS — TEMPORARY SEEDING AND MULCHING:

- LIME - 90 LBS/1,000 SF GROUND LIMESTONE; FERTILIZER - 11 LBS/1,000 SF; 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".

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 - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 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, OR LIQUID MULCH BINDER. TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS IN ACCORDANCE WITH THE STATE STANDARDS. 5. A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE DRIVEWAYS AND

PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, SUB-BASE WILL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL 8. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACK FILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER 3:1).

9. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT. 10. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOOD PLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES MUST BE PROTECTED BY A HAY BALE BARRIER OR SEDIMENT FENCE. 11. A CRUSHED STONE VEHICLE WHEEL CLEANING BLANKET WILL BE INSTALLED IMMEDIATELY AFTER INITIAL SITE DISTURBANCE AND WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. BLANKET SHALL BE 1-1/2" TO 2" CRUSHED STONE AND AT LEAST 30' X 100', AND MUST BE

UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED. ?. MAXIMUM SLIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.

13. ANY INDIVIDUAL ACCESS ROADS OR DRIVES MUST BE STABILIZED WITH 2-1/2" CRUSHED STONE PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THAT AREA. 14. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. 15. ALL CATCH BASIN INLETS MUST BE PROTECTED WITH A CRUSHED STONE OR HAY BALE FILTER (SEE DETAIL).

16. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUT FALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL. 17. ALL DE-WATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHALL BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC (SEE DETAIL).

18. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL SEEDING IS ESTABLISHED. 19. PERMANENT STABILIZATION SPECIFICATIONS: SEEDING

20. PERMANENT STABILIZATION SPECIFICATIONS: MULCHING A. MULCH MATERIALS TO BE UNROTTED SALT HAY, HAY, OR SMALL GRAIN STRAW AT THE RATE OF 1.5 TO 2 TONS PER ACRE OR 70 TO 90 POUNDS PER 1,000 SQ.

B. SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75% TO 95% OF SOIL SURFACE WILL BE COVERED C. 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

PAVEMENT

3/4" CLEAN STONE TO SEAL

1. ALL UNSTABILIZED AREAS TO BE SPRINKLED WITH WATER UNTIL WET AT THE BEGINNING OF EACH DAY TO CONTROL DUST. 22. ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE COVERED WITH A MINIMUM OF 12" OF SOIL HAVING A PH OF 5 OR MORE PRIOR

GEOTEXTILE TUBE AND/OR BAGS

TO SEEDBED PREPARATION. 23. AT THE TIME OF SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION, ANY SOIL NOT SUITABLE TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER WILL BE REMOVED OR TREATED IN SUCH A WAY TO PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. (IF REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE PROVIDED.) 24. ALL SITE WORK FOR SITE PLANS WILL HAVE TO BE COMPLETED PRIOR TO THE SOIL CONSERVATION DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY 25. THE SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION. THE DISTRICT SHALL BE NOTIFIED IN WRITING 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY LAND DISTURBANCE.

PLANS TO THE DISTRICT FOR RECERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.

26. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL

TOPSOILING D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE-STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, PHASE 9: REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING DOWN SLOPE PERIMETER HAYBALES, SILT FENCING SEDIMENT BASINS, AND WATERWAYS

C. 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

STANDARD FOR PERMANENT VEGETATIVE

COVER FOR SOIL STABILIZATION

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

INCHES (UNSETTLED) IS REQUIRED ON ALL SITES. TOPSOIL SHALL BE AMENDED WITH ORGANIC MATTER, AS NEEDED, IN ACCORDANCE WITH THE STANDARD FOR

2. SFEDBED 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/ · FERTÍLIZER 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 PPLY ONE-HALF THE RATE DESCRIBED ABOVE DURING SEEDBED PREPARATION AND REPEAT ANOTHER ONE-HALF RATE APPLICATION OF THE SAME FERTILIZER,

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 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 REPARATION. SEE STANDARD FOR MANAGEMENT OF HIGH ACID-PRODUCING SOILS FOR SPECIFIC REQUIREMENTS.

(5) KY. BLUEGRASS -

A. PERMANENT VEGETATIVE MIXTURES & PLANTING RATES HARD FESCUE 175 LBS/ACRE 4 LBS/1000 SQ.FT. CHEWING FESCUE 175 LBS/ACRE 4 LBS/1000 SQ.FT. STRONG CREEPING RED FESCUE -175 LBS/ACRE 4 LBS/1000 SQ.FT. PERENNIAL RYEGRASS -45 LBS/ACRE 1 LBS/1000 SQ.FT

45 LBS/ACRE

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 BÉ INCORPORÀTED 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

1 LBS/1000 SQ.FT.

BF MAXIMI7FD. D. HYDROSEEDING IS A BROADCAST SEEDING METHOD USUALLY INVOLVING A TRUCK, OR TRAILER-MOUNTED TANK, WITH AN AGITATION SYSTEM AND HYDRAULIC PUMP FOR MIXING SFED. WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SEEDED. 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

EMERGENCE. THIS IS THE PREFERRED METHOD. WHEN PERFORMED ON THE CONTOUR, SHEET EROSION WILL BE MINIMIZED AND WATER CONSERVATION ON SITE WILL

OCCURS, THERE IS A REDUCED SEED GERMINATION AND GROWTH.

MULCHING IS REQUIRED ON ALL SEEDING. MULCH WILL PROTECT AGAINST EROSION REFORE GRASS IS ESTABLISHED AND WILL PROMOTE FASTER AND FARLIER 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 FFFT), EXCEPT THAT WHERE A CRIMPER IS USED INSTEAD OF A LIQUID MULCH-BINDER (TACKIEVING OR ADHESIVE AGENT). THE RATE OF APPLICATION IS 3 TONS PER ACRÉ. MULCH CHOPPER-BLOWERS MUST NOT GRIND THE MULCH. HAY MULCH IS NOT RECOMMENDED FOR ESTABLISHING FINE TURF OR LAWNS DUE TO THE

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 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. 1 PFG AND TWINE 2. MULCH NETTINGS

3. CRIMPER MULCH ANCHORING COULTER TOOL 4. LIQUID MULCH-BINDERS

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 HYDROSFEDER. 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. FFRTII I7FRS. ANI 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 MULICH MAY RE APPLIED BY HAND OR MECHANICAL SPREADER AT THE RATE OF 60-75 LBS/1000 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.

STANDARD FOR TEMPORARY VEGETATIVE

COVER FOR SOIL STABILIZATION

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 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 10-20-10 OR EQUIVALENT WITH 50% WATER INSOLUBLE NITROGEN UNLESS A SOIL TEST INDICATES OTHERWISE 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 LEGUMES. 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 INSPECT SFEDBED 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

A. TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTHS

- COOL SEASON GRASSES: (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. -WARM SEASON GRASSES:

(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 INCH DEEPER ON COARSE TEXTURED SOIL.

MIXING SFED. WATER AND FERTILIZER AND SPRAYING THE MIX ONTO THE PREPARED SFEDBED. MULCH SHALL NOT BE INCLUDED IN THE TANK WITH SEED. SHOR 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 SEEDING

C HYDROSEFDING IS A BROADCAST SEFDING METHOD LISUALLY INVOLVING A TRUCK OR TRAILER MOUNTED TANK WITH AN ACITATION SYSTEM AND HYDRAULIC PLIMP FOR

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

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. 1. PFG AND TWINF 2. MULCH NETTINGS

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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 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, FORM A MULCH MAT. PELLETIZED MULCH SHALL BE APPLIES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS MUICH 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 OF THE MULCH TO PROVIDE SOIL COVERAGE

lew Jersey Natural Resource Conservation Program

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SOIL EROSION AND SEDIMENT CONTROL NOTES

- 1. The Somerset-Union Soil Conservation District shall be notified in writing 48 hours in advance of any land disturbing activity.
- 2. All Soil Erosion and Sediment Control practices shall be installed prior to any major soil disturbances, or in their proper sequence and maintained until permanent protection is
- 3. Any Disturbed areas that will be left exposed more than 30 Days and not subject to construction traffic, will immediately receive a temporary seeding. If the season prevents the establishment of a temporary cover, the disturbed areas will be mulched with straw, or equivalent material, at a rate of two (2) tons per acre, according to NJ State Standards
- 4. Permanent Vegetation shall be seeded or sodded on all exposed areas within ten (10) days after final grading. Mulch will be used for protection until seeding is established
- 5. All work shall be done in accordance with the NJ State Standards for Soil Erosion and Sediment Control in New Jersey.

6. A sub-base course will be applied immediately following rough grading and installation

of improvements in order to stabilize streets, roads, driveways and parking areas. In

areas where no utilities are present, the sub-base shall be installed within 15 days or preliminary grading. 7. Immediately following initial disturbance or rough grading all critical areas subject to erosion (i.e.: steep slopes, roadway embankments) will receive a temporary seeding in

according to the NJ State Standards.

8. Any steep slopes receiving pipeline installation will be backfilled and stabilized daily, as the installation proceeds (i.e.: slopes greater that 3:1)

combination with straw mulch or a suitable equivalent, at a rate of two (2) tons per acre,

9. Traffic control Standards require the installation of a 50'x30'x6''pad of 1 1/2" or 2" stone, at all construction driveways, immediately after initial site disturbance.

- **SOMERSET UNION SOIL CONSERVATION DISTRICT** 10. At the time when the 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 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.
 - 11. In that NJSA 4:24-39 et seq., requires that no Certificate of Occupancy be issued before the provisions of the Certified Plan for Soil Erosion and Sediment Control have been complied with for permanent measures, all site work for site plans and all work around individual lots in subdivisions, will have to be completed prior to the District issuing a Report of Compliance for the issuance of a Certificate of Occupancy by the Municipality.
 - 12. Conduit Outlet Protection must be installed at all required outfalls prior to the drainage system becoming operational.
 - 13. Any changes to the Certified Soil Erosion and Sediment Control Plan will require the submission of revised Soil Erosion and Sediment Control Plans to the District for recertification. The revised plans must meet all current NJ State Soil Erosion & Sediment Control Standards.
 - 14. The Somerset-Union Soil Conservation District shall be notified of any changes in
 - 15. Mulching to the NJ Standards is required for obtaining a Conditional Report of Compliance. Conditionals are only issued when the season prohibits seeding.
 - 16. Contractor is responsible for keeping all adjacent roads clean during life of construction
 - 17. The developer shall be responsible for remediating any erosion or sediment problems that arise as a result of ongoing construction at the request of the Somerset-Union Soil Conservation District.
 - 18. Hydro seeding is a two-step process. The first step includes seed, fertilizer, lime, etc., along with minimal amounts of mulch to promote consistency, good seed to soil contact, and give a visual indication of coverage. Upon completion of seeding operation, hydromulch should be applied at a rate of 1500 lbs. per acre in second step. The use of hydromulch, as opposed to straw, is limited to optimum seeding dates as listed in the NJ Standards.
 - 19. Unfiltered dewatering is not permitted. Necessary precautions must be taken during all dewatering operations to minimize soil transfer. Any dewatering methods used must be in accordance with the Standard for Dewatering.

STANDARD FOR STABILIZATION WITH MULCH ONLY

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. B. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42.

2. PROTECTIVE MATERIALS

A. UNROTTED SMALL-GRAIN STRAW, 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. APPROVED RATES ABOVE HAVE BEEN MET WHEN THE MULCH COVERS THE GROUND COMPLETELY UPON VISUAL INSPECTION, I.E. THE SOIL CANNOT BE SEEN BELOW THE

B. SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE MANUFACTURER C. 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 D. MULCH NETTING, SUCH AS PAPER JUTE, EXCELSIOR, COTTON, OR PLASTIC, MAY BE

E. WOODCHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED. WOODCHIPS WILL NOT BE USED ON AREAS WHERE FLOWING WATER COULD WASH THEM INTO AN INLET AND PLUG IT GRAVEL, CRUSHED STONE, OR SLAG AT THE RATE OF 9 CUBIC YARDS PER 1,000 SQ. T. APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 3 INCHES MAY BE USED. SIZE 2 OR 3 (ASTM C-33) IS RECOMMENDED.

3. MULCH ANCHORING — SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT OF HAY OR STRAW MULCH 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 AND STEEPNESS OF SLOPES. A. PFG AND TWINF

> PROTECT YOURSELF ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

> > Call before you dig.

OR STATE SPECIFIC DIRECT PHONE NUMBERS VI WWW CALL811 COM

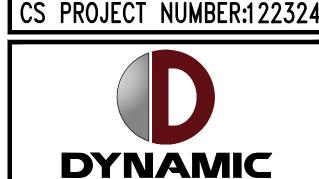
B. MULCH NETTINGS C. CRIMPER MULCH ANCHORING COULTER TOOL

D. LIQUID MULCH-BINDERS

13K CORNER ENTRY, BUMP-OUT

BLOCK 729, LOT 1

PARK AVENUE (CR 531) & RANDOLPH ROAD CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY



ENGINEERING

PA Office
790 Newtown Yardley Road - Suite 4: Newtown, PA 18940 T: 267.685.0276 F: 267.685.0361

Texas Reaistered Engineering Firm N

Houston Texas Office Houston, TX 7707 T: 281.789.6400

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

NEW JERSEY LICENSE No. 41938

1204 PARK AVENUE ASSOCIATES LLC

TEL: (973)-429-7900 EXT. 218 PROJECT CONTACT: GLENN DOMENICK

BLOOMFIELD, NJ 07003

2 05/06/20 REV. PER CITY COMMENTS 1 04/09/20 REV. PER CITY COMMENTS

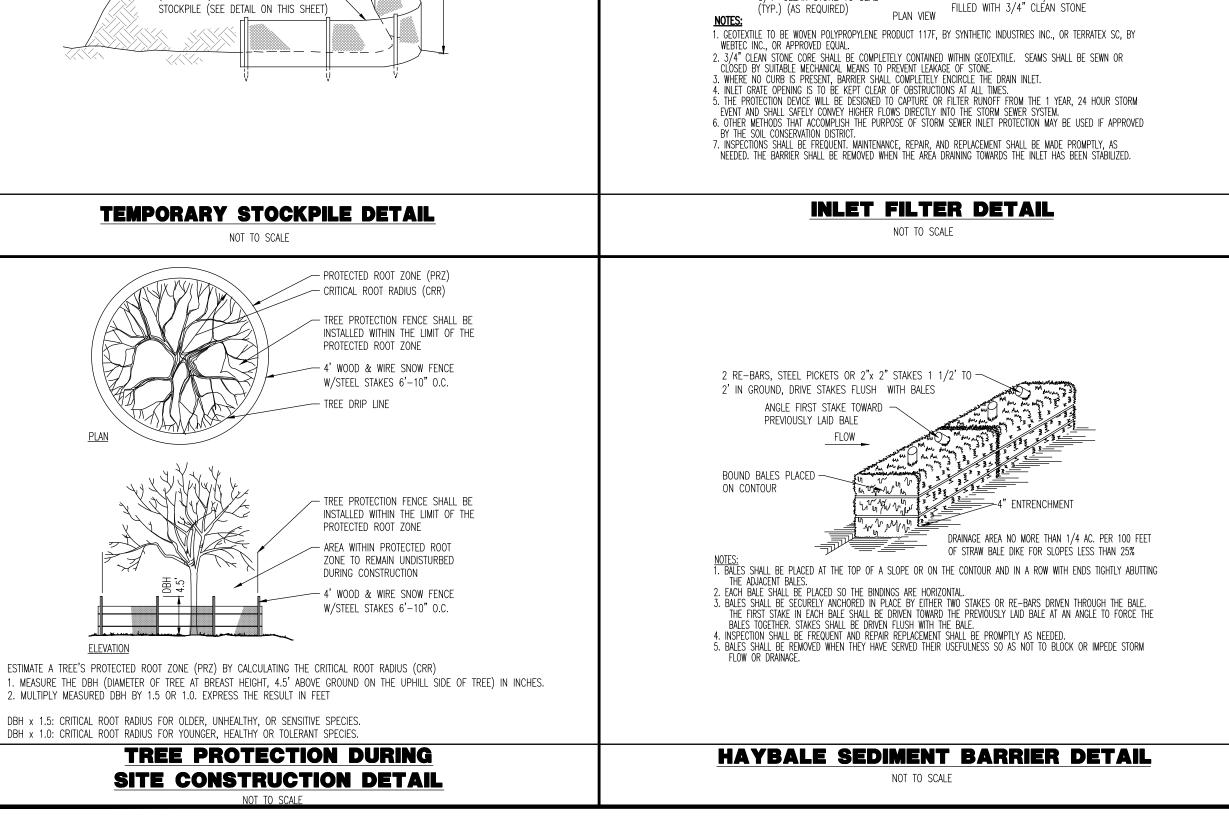
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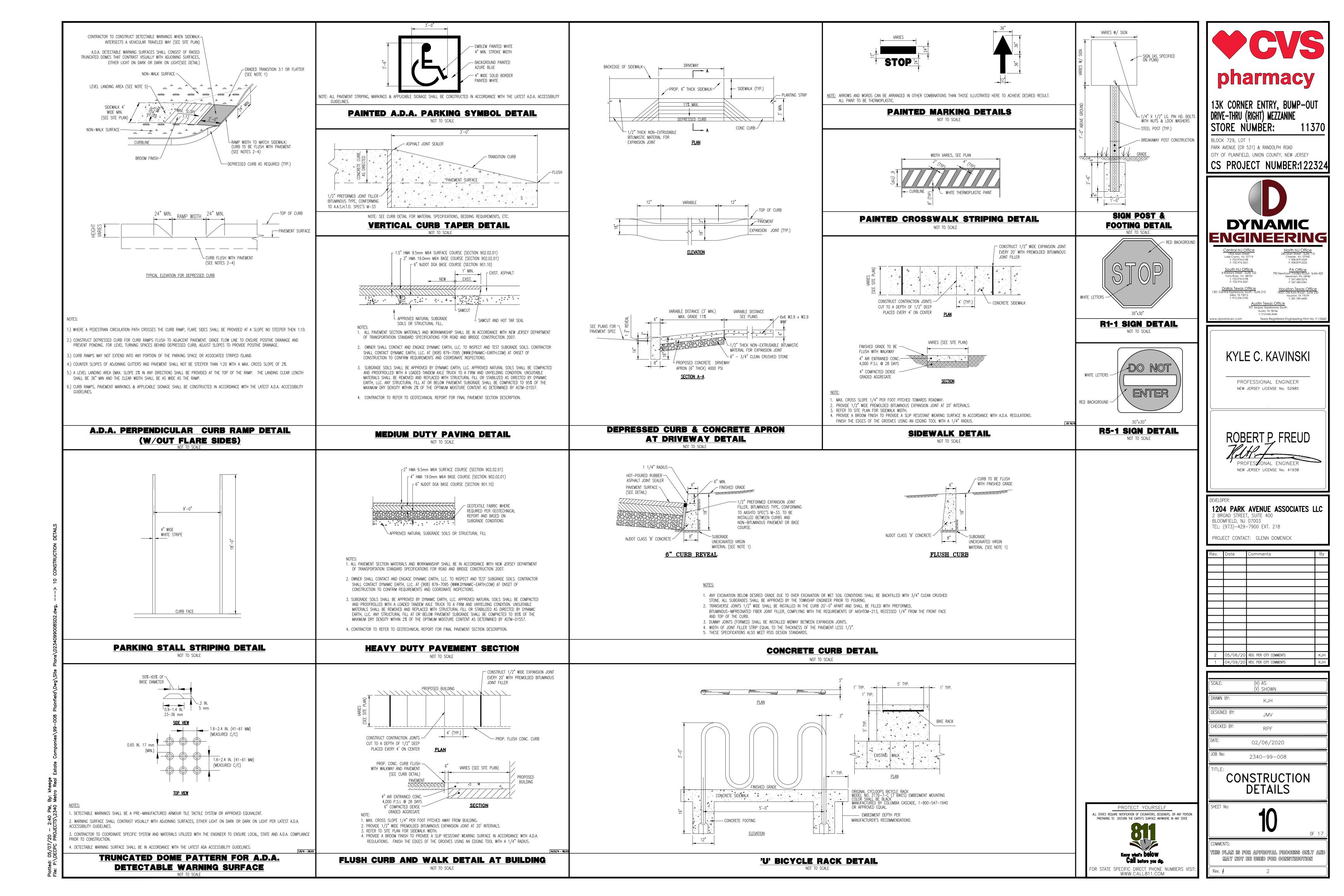
> 02/06/2020 2340-99-008 SOIL EROSION &

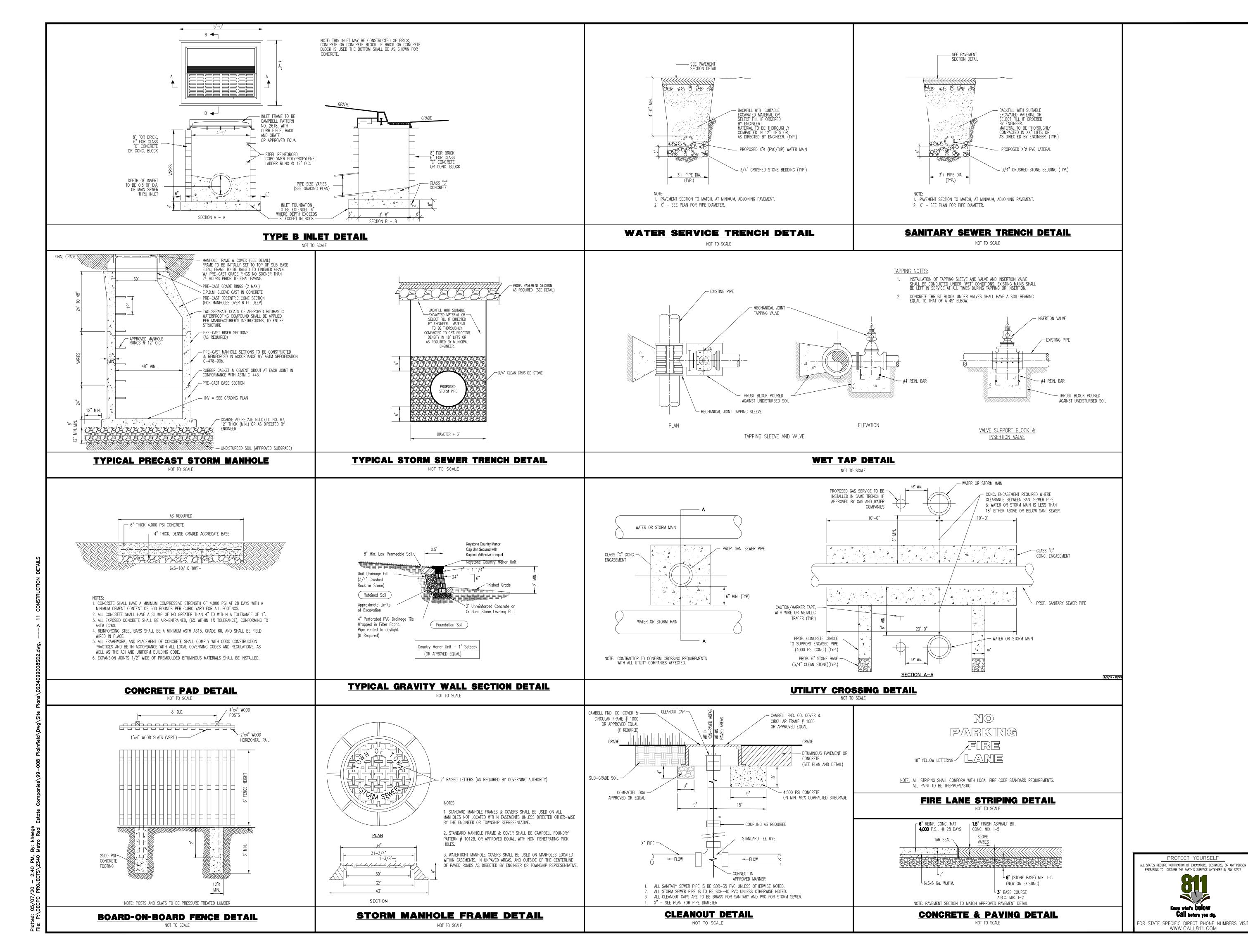
SEDIMENT CONTROL

NOTES & DETAILS

this plan is for approval process only and MAY NOT BE USED FOR CONSTRUCTION









13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZŹANINE

BLOCK 729, LOT 1 PARK AVENUE (CR 531) & RANDOLPH ROAD CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY CS PROJECT NUMBER:122324



PA Office 790 Newtown Yardley Road - Suite 42 Newtown, PA 18940 T: 267.685.0276 F: 267.685.0361

Houston Texas Office 14521 Old Katy Road - Suite 250 Houston, TX 77079 T: 281.789.6400 Texas Reaistered Engineeri

KYLE C. KAVINSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

NEW JERSEY LICENSE No. 41938

1204 PARK AVENUE ASSOCIATES LLC 2 BROAD STREET, SUITE 400 BLOOMFIELD, NJ 07003

TEL: (973)-429-7900 EXT. 218 PROJECT CONTACT: GLENN DOMENICK

Rev.	Date	Comments	By
2	05/06/20	REV. PER CITY COMMENTS	KJ
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KJH DESIGNED BY: JMV RPF

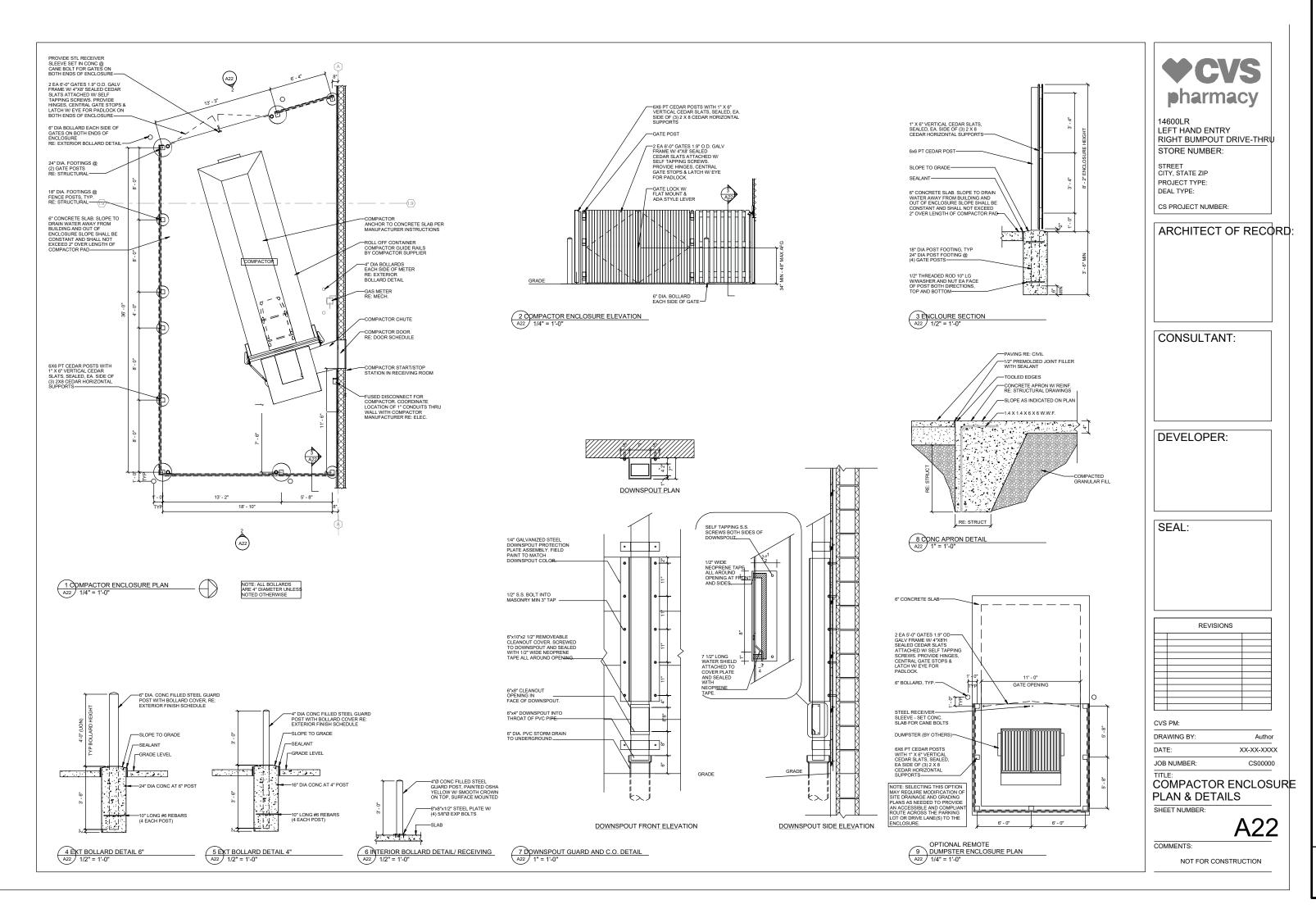
02/06/2020

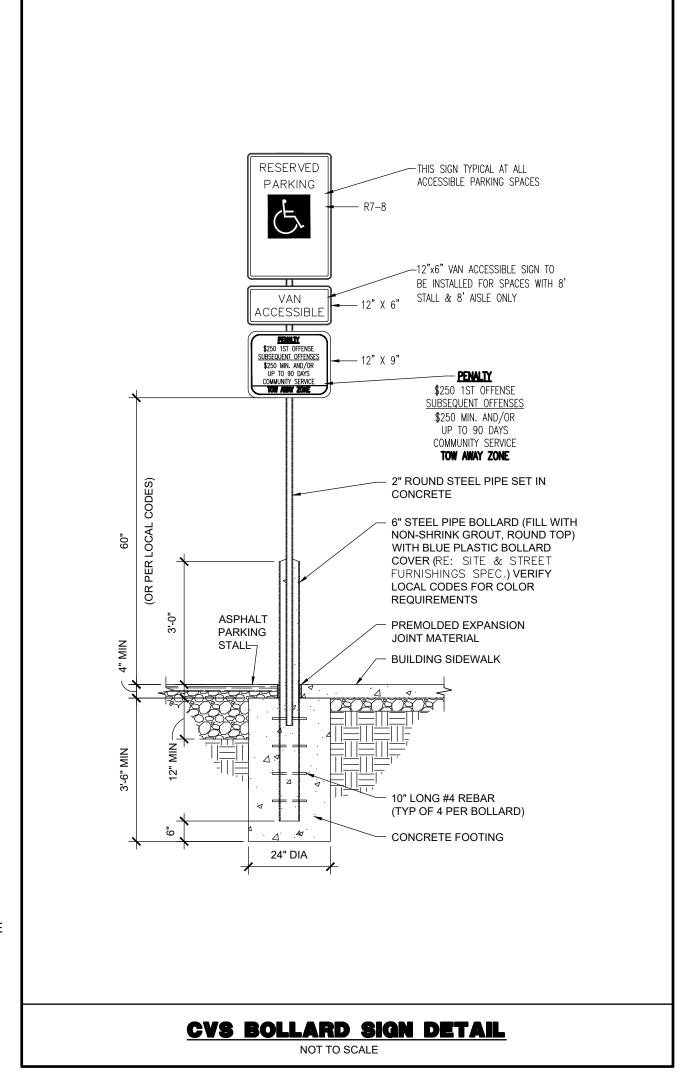
2340-99-008

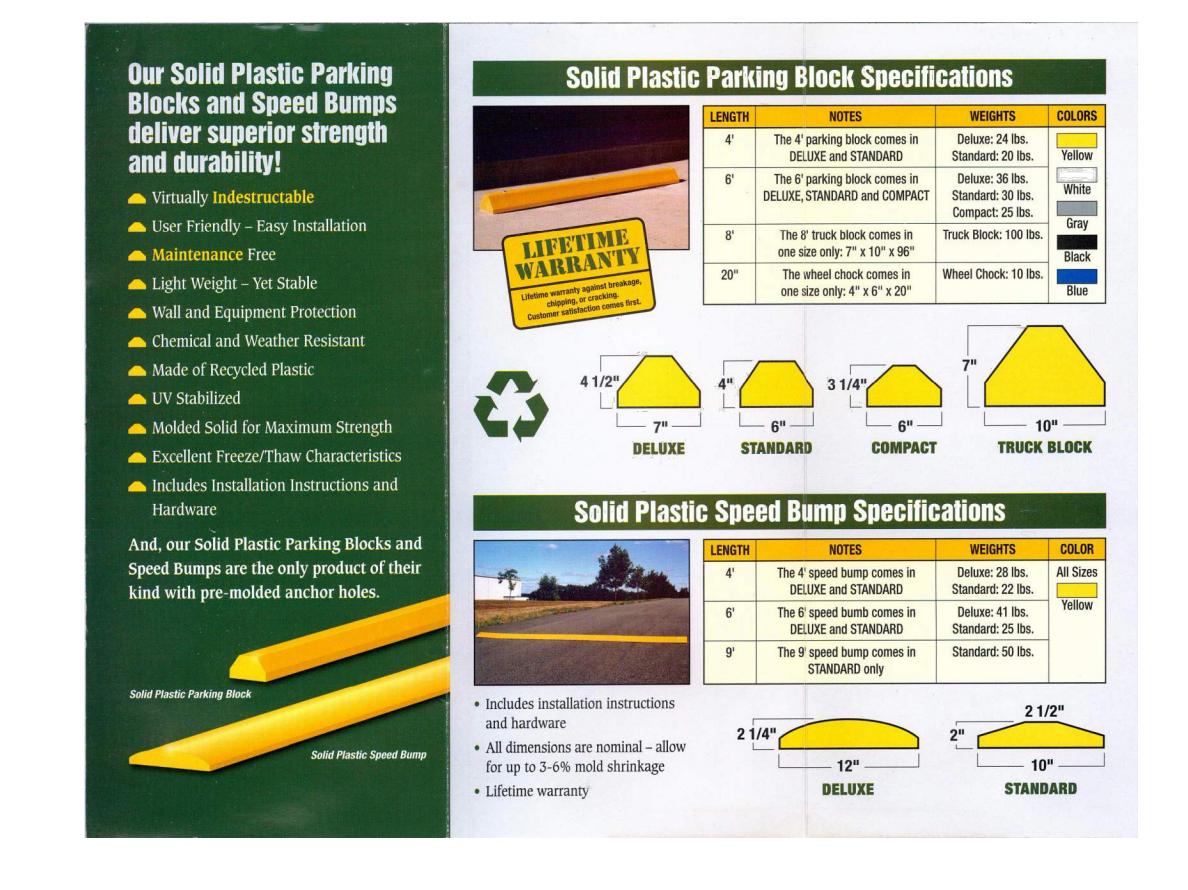
CONSTRUCTION **DETAILS**

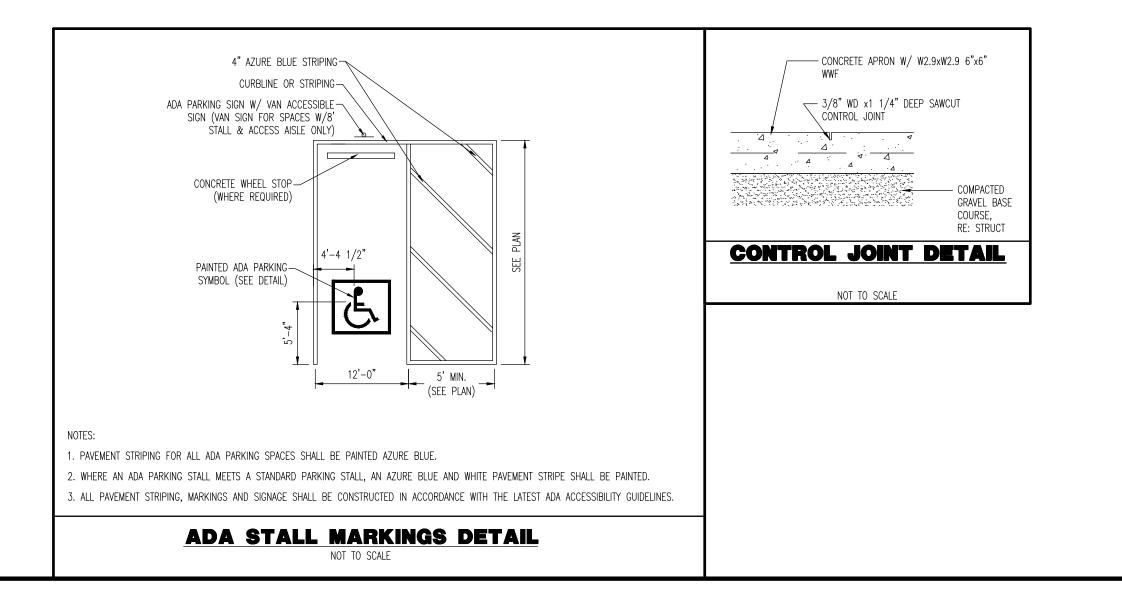
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DYNAMIC
ENGINEERING

Central NJ Office

1:732:774.3091

South N I Office

PAC OFFICE NOWER

STORE NUMBER:

11370

DYNAMIC

ENGINEERING

North NJ Office

1:732:74.3091

F. 732:74.3091

South N I Office

PA Office

PA Office

PA Office

PA Office

KYLE C. KAVINSKI

Texas Registered Engineering F

Houston Texas Office 14521 Old Katy Road - Suite 250 Houston, TX 77079 T: 281.789.6400

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 52985

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 41938

DEVELOPER:

DEVELOPER:

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2 BROAD STREET, SUITE 400
BLOOMFIELD, NJ 07003
TEL: (973)-429-7900 EXT. 218

PROJECT CONTACT: GLENN DOMENICK

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SCALE:	(H) AS (V) SHOWN	
DRAWN BY:	KJH	
DESIGNED BY:	JMV	
CHECKED BY:	RPF	

ATE: 02/06/2020

OB No: 2340-99-008

CVS CONSTRUCTION DETAILS

Γ No:

12

COMMENTS:
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Plotted: 05/07/20 — 2:40 PM, By: kheege File: P:\DECPC PROJECTS\2340 Metro Real Estate Companies\99—008 Plainfield\D

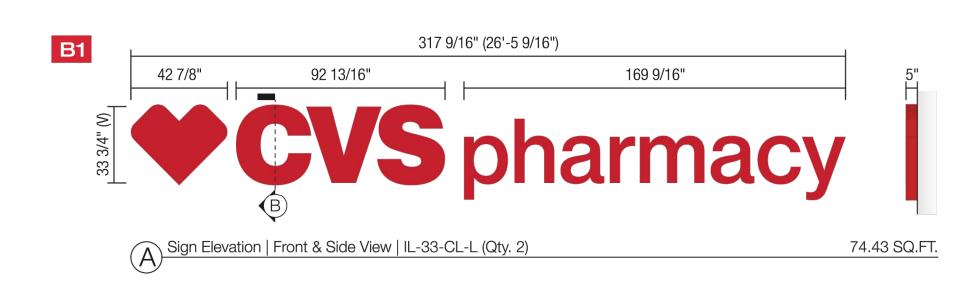
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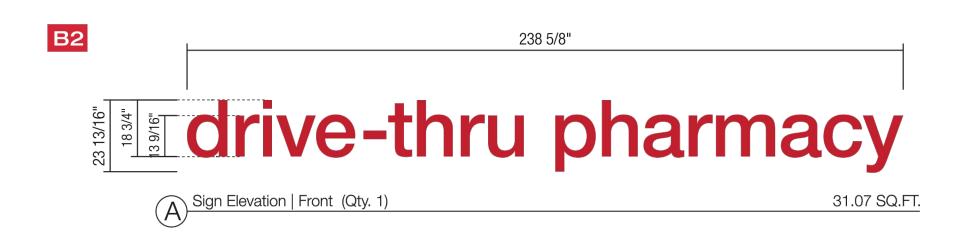
Know what's Delow

Call before you dg.

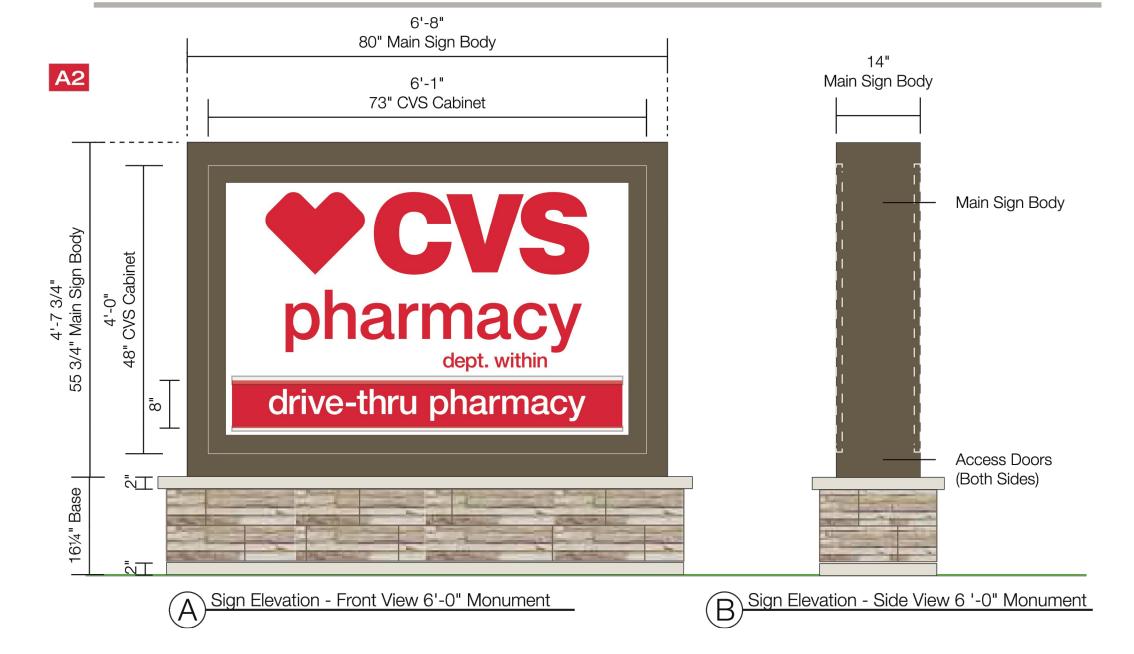
OR STATE SPECIFIC DIRECT PHONE NUMBERS VIS

Proposed Signage - Channel Letter Details

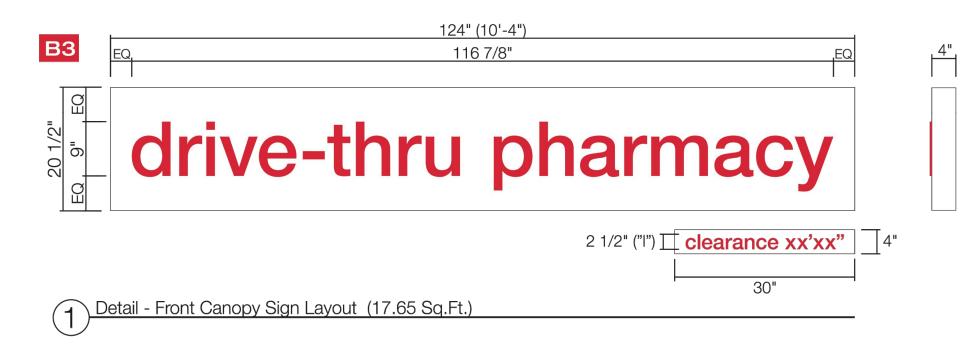




Proposed Signage - Monument Details



Proposed Signage - Drive Thru Canopy Details



SIGNAGE TABLE

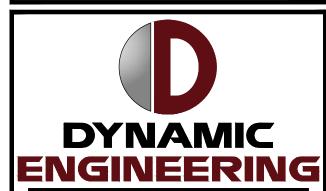
	PROPOSED	PLAINFIELD SIGNAGE DESIGN STANDARDS		ilGN	
1	NUMBER OF SIGNS:	1	NUMBER OF SIGNS:	GROUND SIGN (Monument)	
30.90 SF (V)	SIGN AREA:	30 SF	MAXIMUM SIGN AREA:		
17 INCHES	MAXIMUM SIGN BASE HEIGHT:	18 INCHES	MAXIMUM SIGN BASE HEIGHT:		
Internally illuminated (V)	ILLUMINATION:	INDIRECTLY ILLUMINATED	ILLUMINATION:		
6 FT	MOUNTING HEIGHT:	6 FT	MAXIMUM MOUNTING HEIGHT:		
2	NUMBER OF COLORS:	3	MAXIMUM NUMBER OF COLORS:		
COMPLIES	MINIMUM SIGN SETBACK:	25' SIGHT DISTANCE AT INTERSECTION	MINIMUM SIGN SETBACK:		
17.65 SF (V)	SIGN AREA: ONE (1) 'DRIVE-THRU PHARMACY'	30% OF FACE OF CANOPY = 12.44 SF	MAXIMUM SIGN AREA:	CANOPY SIGN	
THREE (3) BUILDING SIGNS (V)	NUMBER OF FAÇADE SIGNS	TWO (2)	NUMBER OF FACADE SIGNS:	WALL SIGN	
-EXCLUDES STORE PLAQUE & RECEIVING ENTRANCE SIGNS					
	FAÇADE SIGN AREA:	10% OF THE FAÇADE AREA	MAXIMUM FACADE SIGN AREA:		
	RANDOLPH ROAD	96' X 24.6' X 0.1 = 236.1 SF	RANDOLPH ROAD - 96' X 24.6' X 0.1 = 236.1 SF		
	NORTH FACADE:				
74.43 SF	ONE (1) 'CVS PHARMACY'				
1.87 SF	ONE (1) 'STORE HOURS PLAQUE				
<u>TOTAL 76.3 SF</u>					
	PARK AVENUE	3.6' X 23.3' X 0.1 = 318.2 SF	PARK AVENUE – 136		
	EAST FACADE:				
74.43 SF	ONE (1) 'CVS PHARMACY'				
31.07 SF	ONE (1) 'DRIVE-THRU PHARMACY'				
3.0 SF	ONE (1) 'RECEVING ENTRANCE'				
TOTAL 108.5 SF					
5 INCHES	MAXIMUM PROJECTION:	9 INCHES	MAXIMUM PROJECTION:		
	MAXIMUM VERTICAL DIMENSION:	2 FT	MAXIMUM VERTICAL DIMENSION:		
2.81 FT (V)	'CVS PHARMACY' SIGNS				
18 FT	MOUNTING HEIGHT:	BUILDING HEIGHT FOR USES WITH 2 FLOORS	MAXIMUM MOUNTING HEIGHT:		
INTERNALLY ILLUMINATED	ILLUMINATION:	INTERNALLY ILLUMINATED	ILLUMINATION:		

pharmacy

13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE STORE NUMBER: 1137

BLOCK 729, LOT 1
PARK AVENUE (CR 531) & RANDOLPH ROAD
CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY

CS PROJECT NUMBER:122324



1904 Main Street
Lake Como, NJ 07719
1: 732,974,0198
F: 732,974,3521

South NJ Office
8 Robbins Street - Suite 102
Toms River, NJ 08753
1: 732,974,0198
F: 732,974,0198

Chestre T: 908 F: 908 F: 908 790 Newtown Yar Newtow T: 267 F: 267 F: 267

Austin Taxas Office

901 Mopac Expressway South
Austin, TX 78746

Houston Tx 77079
T: 281.789.6400

901 Mopac Expressway South
Austin, TX 78746
T: 512.646.2646
micec.com
Texas Registered Engineering Firm No.

KYLE C. KAVINSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

ROBERT P. FREUD

PROFESSIONAL ENGINEER

NEW JERSEY LICENSE No. 41938

OPER:

1204 PARK AVENUE ASSOCIATES LLC 2 BROAD STREET, SUITE 400 BLOOMFIELD, NJ 07003 TEL: (973)-429-7900 EXT. 218

PROJECT CONTACT: GLENN DOMENICK

Rev.	Date	Comments	Ву
2		REV. PER CITY COMMENTS	KJH
1	04/09/20	REV. PER CITY COMMENTS	KJH

SCALE:	(H) AS (V) SHOWN	
DRAWN BY:	KJH	
DESIGNED BY:	JMV	
CHECKED BY:	RPF	
DATE:	02/06/2020	

CVS SIGNAGE DETAILS

2340-99-008

HEET No:

13

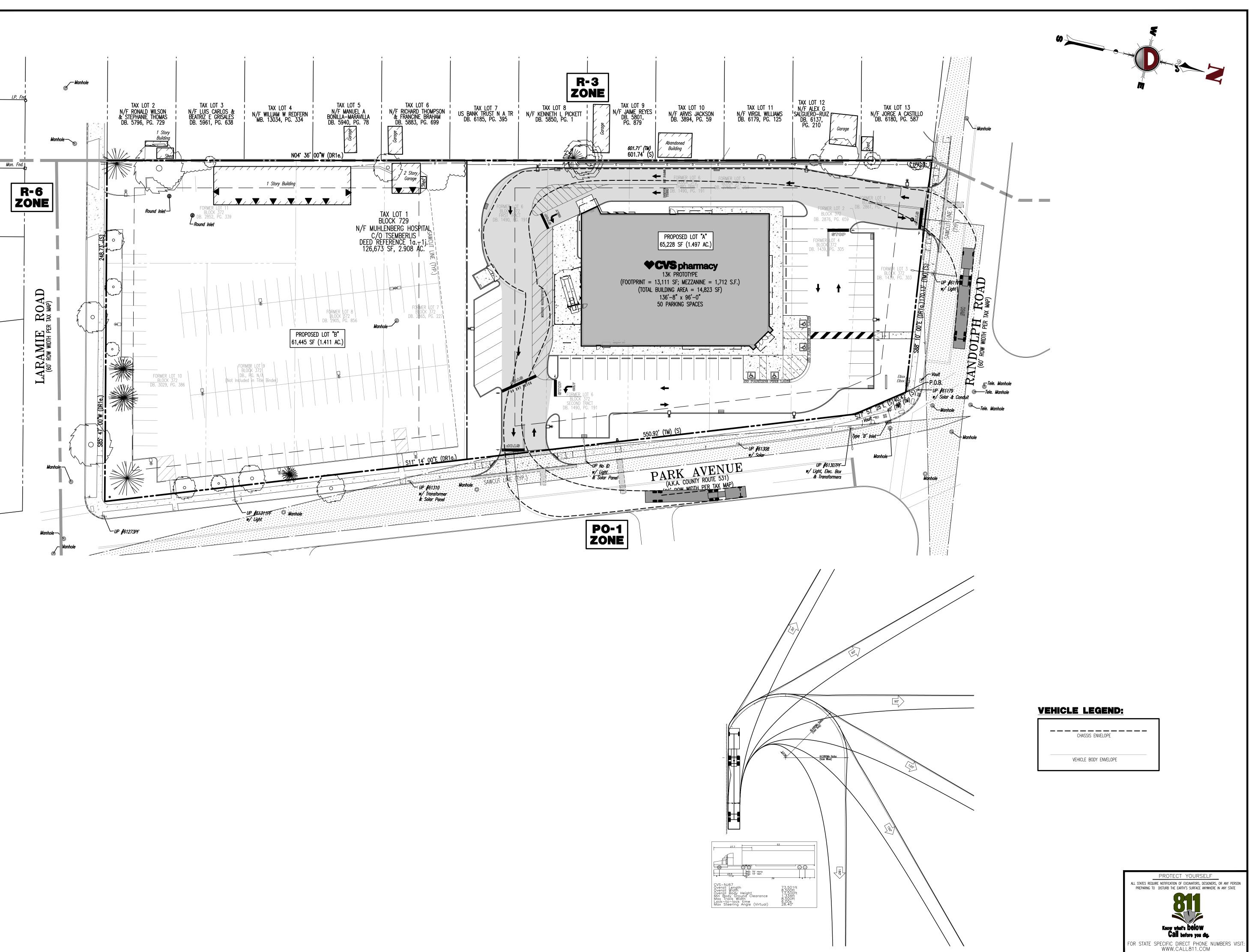
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Know what's below

Call before you dg.

TOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:





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BLOCK 729, LOT 1
PARK AVENUE (CR 531) & RANDOLPH ROAD

CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY

CS PROJECT NUMBER:122324



Central NJ Office
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South NJ Office

e PA Offi F102 790 Newtown Yardley 33 Newtown, P5 T1 267,685 F2 267,685

534.2100 Houston, 1X 7/079 T: 281.789.6400

Austin Texas Office

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Austin, TX 78746
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2 BROAD STREET, SUITE 400
BLOOMFIELD, NJ 07003

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PROJECT CONTACT: GLENN DOMENICK

Rev.	Date	Comments	Ву
2	05/06/20	REV. PER CITY COMMENTS	KJ
1		REV. PER CITY COMMENTS	KJ

SCALE: (H) 1"=30"
(V)

DRAWN BY: KJH

DESIGNED BY: JMV

CHECKED BY: RPF

02/06/2020 No: 2740 00 008

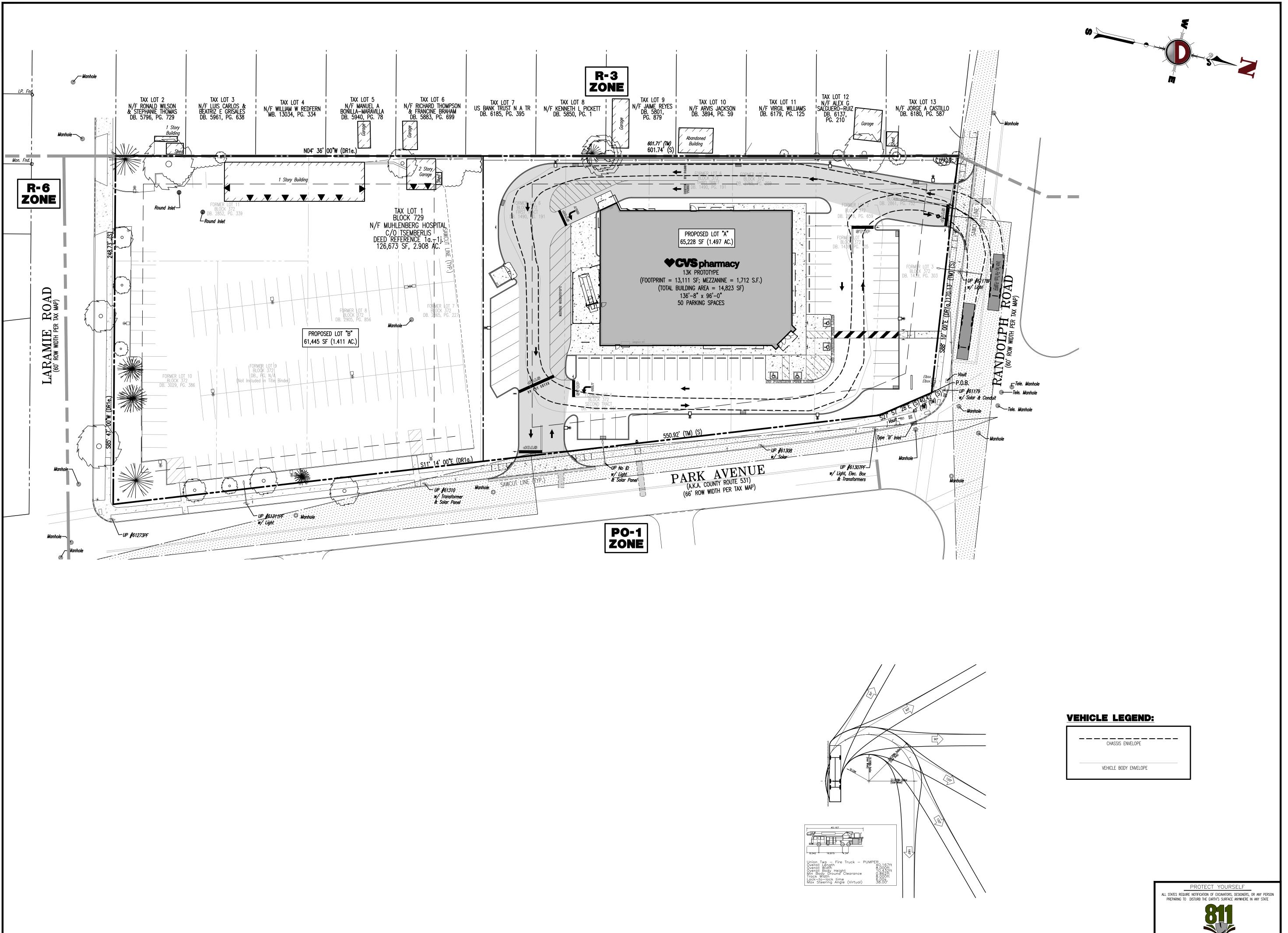
JOB No: 2340-99-008

CIRCULATION PLAN
(WB-67)

No:

OF 17

COMMENTS: THIS PLAN IS FOR APPROVAL PROCESS ONLY AND MAY NOT BE USED FOR CONSTRUCTION



pharmacy

13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE STORE NUMBER: 1137

PARK AVENUE (CR 531) & RANDOLPH ROAD

CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY CS PROJECT NUMBER:122324



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1204 PARK AVENUE ASSOCIATES LLC

BLOOMFIELD, NJ 07003 TEL: (973)-429-7900 EXT. 218

PROJECT CONTACT: GLENN DOMENICK

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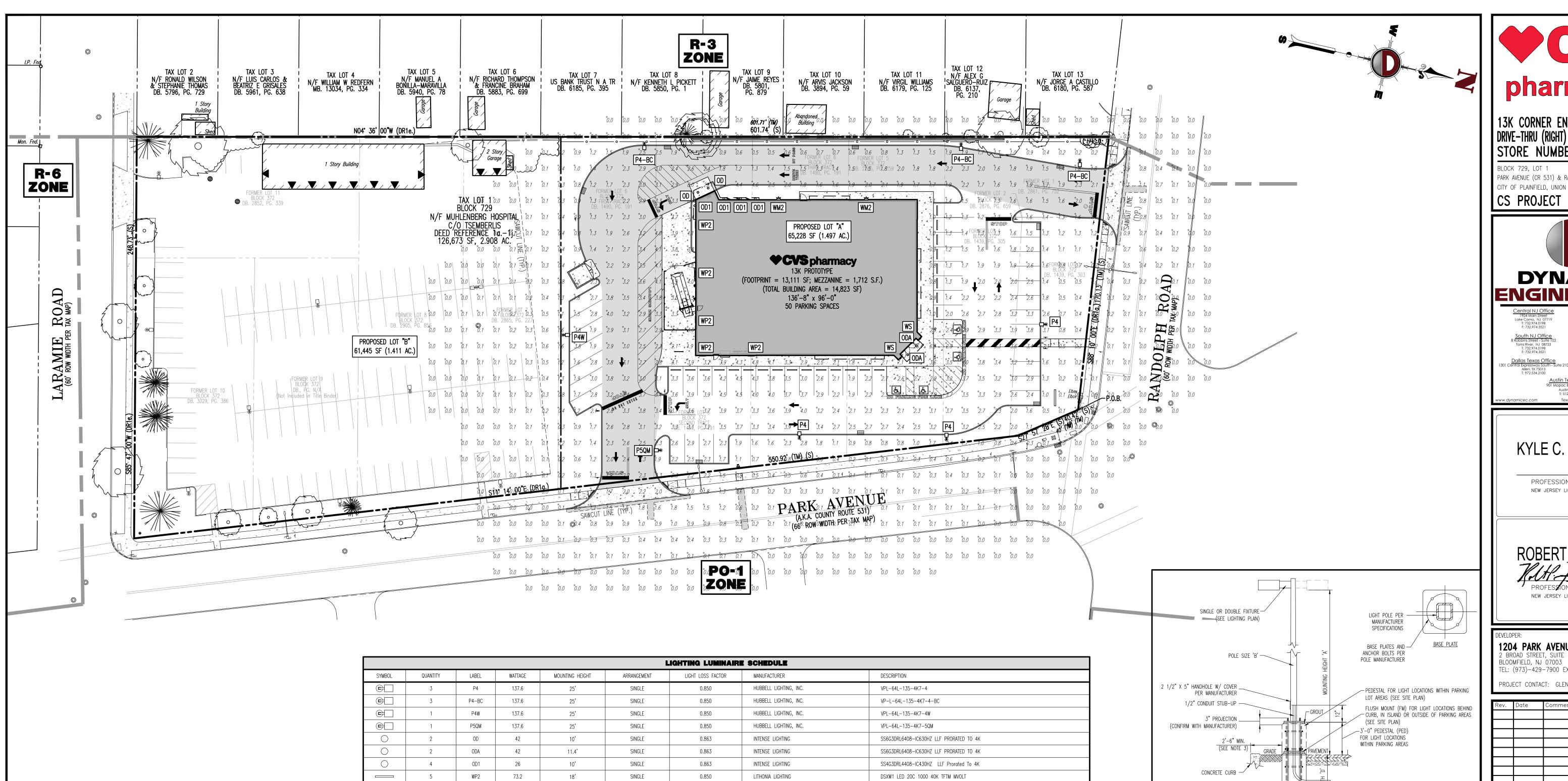
02/06/2020 2340-99-008

1 04/09/20 REV. PER CITY COMMENTS

VEHICLE CIRCULATION PLAN (UNION TWP. FIRE TRUCK)

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISI WWW.CALL811.COM

COMMENTS: THIS PLAN IS FOR APPROVAL PROCESS ONLY AND MAY NOT BE USED FOR CONSTRUCTION



ISO CURVES ARE MAINTAINED AND SHOWN AT 0.5 AND 0.1 FC.

(FM) - FLUSH MOUNT FOUNDATION (PED) - PEDESTAL FOUNDATION THE CALCULATIONS SHOWN WERE MADE UTILIZING ACCEPTED PROCEDURES OF THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA. VARIATIONS IN LAMP OUTPUT, BALLAST OUTPUT, LINE VOLTAGE, DIRT DEPRECIATION, AND OTHER FACTORS MAY AFFECT ACTUAL RESULTS. UNLESS OTHERWISE STATED, ALL RESULTS ARE MAINTAINED VALUES, UTILIZING ACCEPTED LIGHT LOSS FACTORS (LLF).

SINGLE

SINGLE

0.850

0.850

WAC LIGHTING

LITHONIA LIGHTING

STATISTICAL AREA SUMMARY							
LABEL	CALC TYPE	UNITS	AVERAGE	MAXIMUM	MINIMUM	AVG./MIN.	MAX./MIN.
ALL CALCPTS EXTENDING OUT TO ZERO FOOT-CANDLES	ILLUMINANCE	FC	1.16	29.1	0.0	N.A.	N.A.
STATAREA-CVS PARKING AREAS	ILLUMINANCE	FC	2.83	4.5	1.2	2.36	3.75

GENERAL NOTES

32.5

38.8

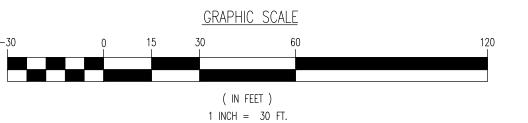
WM2

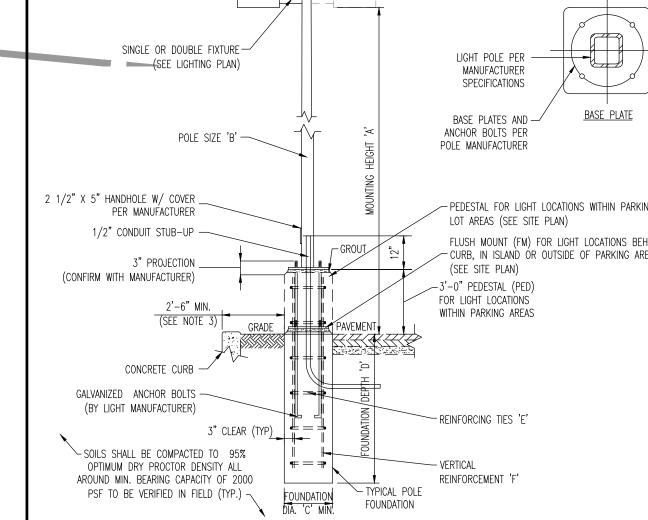
- 1. THIS LIGHTING PLAN ILLUSTRATES ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINARIES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- 2. ALL EXISTING CONDITIONS LIGHTING LEVELS ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES AND/OR ACTUAL FIELD MEASUREMENTS TAKEN WITH A LIGHT METER. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHTING LEVELS MAY DIFFER AND THE LIGHTING LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED AS APPROXIMATE.
- 3. CONDUITS SHALL BE INSTALLED A MINIMUM OF 2 FEET BEHIND GUIDERAIL POSTS.
- 4. ALL WIRING METHODS AND EQUIPMENT CONSTRUCTION SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE.
- 5. REFER TO ARCHITECTURAL PLANS FOR LIGHTING DIAGRAM.

SEE SHEET 17 OF 17 FOR **LIGHTING DETAILS**

WS-W2510-AL-40K

DSXW1 LED 10C 1000 40K T2S MVOLT





NOTE: 1. CONTRACTOR TO CONFIRM ALL LIGHT POLE & FIXTURE DIMENSIONS PRIOR TO CONSTRUCTION. 2. PROPOSED POLE IN COMBINATION WITH CONCRETE PEDESTAL TO EQUAL MOUNTING HEIGHT 'A'. ACTUAL POLE HEIGHT TO BE ADJUSTED ACCORDINGLY.

3. PROPOSED CONCRETE FOUNDATION AND POLE TO BE CONSTRUCTED WITHIN SUBJECT PROPERTY UNLESS OTHERWISE NOTED. SETBACK FROM CURB IS PREFERRED BUT TO BE ADJUSTED AS NEEDED TO PREVENT ENCROACHMENT OVER PROPERTY LINE.

4. BASE PLATE & ANCHOR BOLTS PER POLE MANUFACTURER. LARGER FOOTING DIAMETER AND/OR ALTERNATE ARANCEMENT OF REINFORCING STEEL MAY BE REQUIRED TO ACCOMMODATE ANCHOR BOLT CONFIGURATION. CONTRACTOR RESPONSIBLE TO COORDINATE DIMENSIONAL REQUIREMENTS FOR BASE PLATE, ANCHOR BOLTS & REINFORCING STEEL PRIOR TO CONSTRUCTION.

REMENTS FOR BASE FLATE, ANCHOR BOETS	& KEINFORGING STEEL FRIOR TO			
LIGHT POLE FOUNDATION SCHEDULE				
MOUNTING HEIGHT ABOVE GRADE 'A'	24'-25'			
POLE DIA. 'B'	6" SQUARE (OR PER MANUFACTURER)			
# OF FIXTURES	SINGLE OR DOUBLE			
FOUNDATION DIAMETER 'C'	18" DIA. ROUND			
FOUNDATION DEPTH 'D'	7.5'			
REINFORCING TIES 'E'	#4 @ 12" O.C.			
VERTICAL REINFORCEMENT 'F'	(6) #6 BARS EQUALLY SPACED			

1. FOOTING DESIGN BASED ON ASSUMED MAXIMUM ALLOWABLE SOILS BEARING CAPACITY OF 2,000 SF PSF. CONTRACTOR RESPONSIBLE TO VERIFY ADEQUACY OF ASSUMED BEARING CAPACITY PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED IF INCONSISTENCIES EXIST. 2. SUBGRADE TO BE FREE OF ORGANICS AND BE SUITABLE, COMPACTED MATERIAL.

- CONCRETE NOTES 1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS PER CUBIC YARD FOR ALL FOOTINGS.
- 2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4" TO WITHIN A TOLERANCE OF 1". 3. ALL EXPOSED CONCRETE SHALL BE AIR-ENTRAINED (WITHIN 1% TOLERANCE), CONFORMING TO ASTM C260.
- 4. REINFORCING FRAMEWORK AND PLACEMENT OF CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS AS WELL AS THE ACI AND UNIFORM BUILDING CODE.

AREA LIGHT FOUNDATION DETAIL

pharmacy

13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE STORE NUMBER:

PARK AVENUE (CR 531) & RANDOLPH ROAD

CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY CS PROJECT NUMBER:12232



KYLE C. KAVINSKI

PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 52985

ROBERT P. FREUD NEW JERSEY LICENSE No. 41938

1204 PARK AVENUE ASSOCIATES LLC 2 BROAD STREET, SUITE 400

TEL: (973)-429-7900 EXT. 218 PROJECT CONTACT: GLENN DOMENICK

Rev.	Date	Comments	Ву
2	05/06/20		KJŀ
1	04/09/20	REV. PER CITY COMMENTS	KJŀ

	//		
SCALE:		(H) 1"=30' (V)	
DRAWN	BY:	KJH	
DESIGNI	ED BY:	JMV	
CHECKE	D BY:	RPF	

02/06/2020 2340-99-008

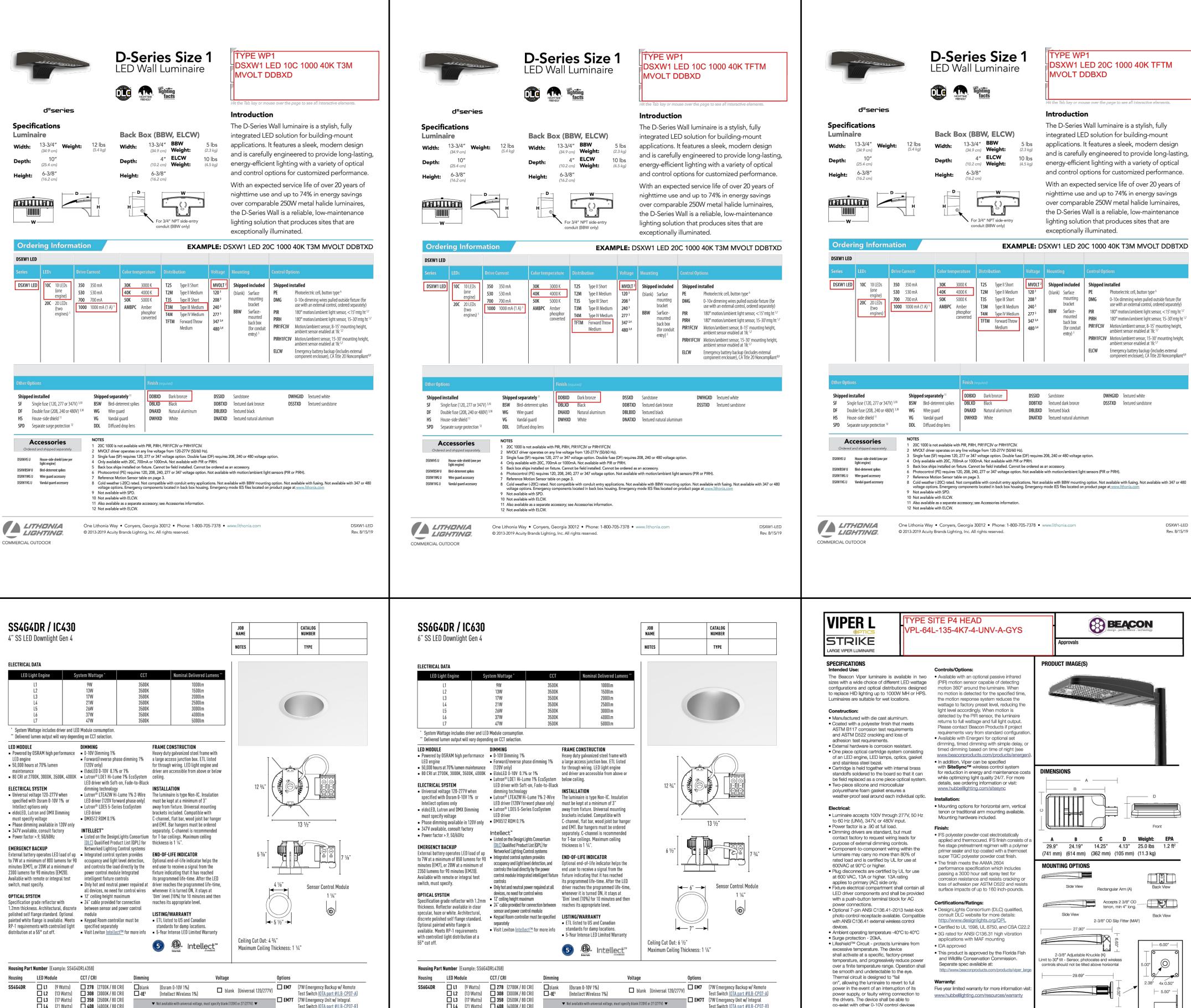
LIGHTING PLAN

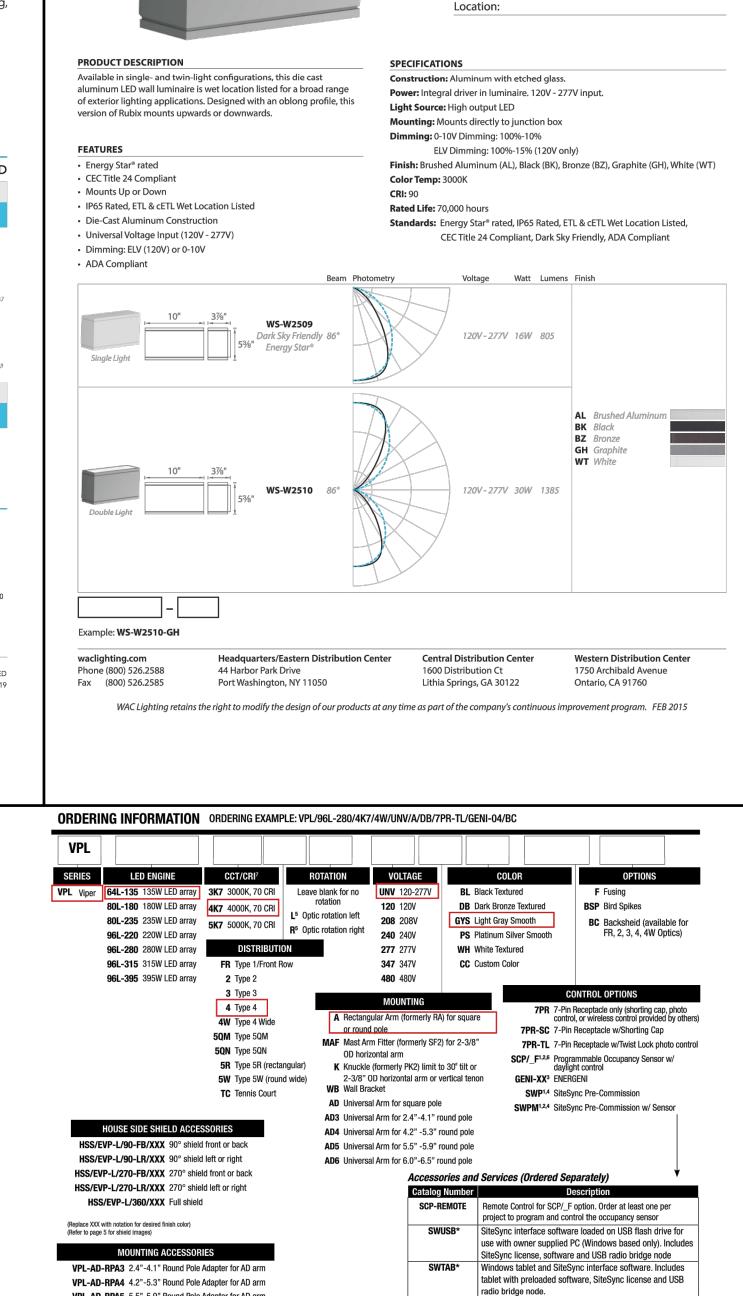
THIS PLAN IS FOR APPROVAL PROCESS ONLY AND

MAY NOT BE USED FOR CONSTRUCTION

ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE R STATE SPECIFIC DIRECT PHONE NUMBERS VIS WWW.CALL811.COM

NOT TO SCALE





RUBIX - model: WS-W2509, WS-W2510 WAC LIGHTING

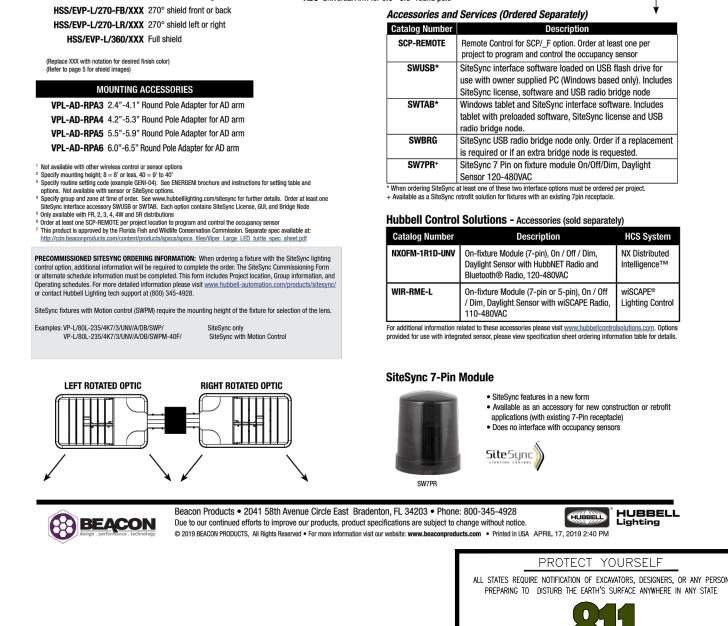
Fixture Type:

Catalog Numb

Responsible Lighting®

WS CI-W2510-40AL

LED Wall Mount



Back View

├ 5.50" -

Wall Bracket (WE

Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928

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Due to our continued efforts to improve our products, product specifications are subject to change without notice.

(occupancy sensors, external dimmers, etc.).

CERTIFICATIONS/LISTINGS

intense | a LEVITON



pharmacy

13K CORNER ENTRY, BUMP-OUT DRIVE-THRU (RIGHT) MEZZANINE

BLOCK 729, LOT 1 PARK AVENUE (CR 531) & RANDOLPH ROAD CITY OF PLAINFIELD, UNION COUNTY, NEW JERSEY

CS PROJECT NUMBER:12232



PA Office
790 Newtown Yardley Road - Suite 4: Newtown, PA 18940 T: 267.685.0276 F: 267.685.0361

Houston Texas Office Houston, TX 7707 T: 281.789.6400 Texas Reaistered Engineering Firm

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2 BROAD STREET. SUITE 400 BLOOMFIELD, NJ 07003 TEL: (973)-429-7900 EXT. 218

PROJECT CONTACT: GLENN DOMENICK

2 05/06/20 REV. PER CITY COMMENTS

1 04/09/20 REV. PER CITY COMMENTS

/) SHOWN KJH DESIGNED BY: JMV RPF

02/06/2020

2340-99-008

LIGHTING DETAILS

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COMMENTS:

☐ **L4** (21 Watts) ☐ **408** (4000K / 80 CRI)

☐ **HZ** (Haze) ☐ **-SFW** (Self-Flanged White)

INTENSE LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | tel 714 630-9877 | fax 714 630-9883

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☐ C (Clear) ☐ -SF (Self-Flanged) ☐ EM7T (Integral Test Switch)

For Intense Lighting's limited product warranty, go to www.intenselighting.com. For a printed copy of the warranty, you may call 800 961-5321.

☐ **L5** (26 Watts)

Reflector Part Number (Example: IC430HZ-SF)

IC430

(37 Watts)

6. 20W emergency not available in L1, L2 & L3 intense | a LEVITON

Test Switch IOTA part #ILB-CP07-R

Test Switch <u>IOTA ILB-CP20-HE-S</u>)

(End-of-Life Indicator at 50,000 hours)

☐ EM20⁶ (20W Emergency Backup w/ Remote

(eypad Room Controller must be specified separately)

☐ **I100** (C-Channel Bar Hangers)

☐ **1400** (Wood Joist Bar Hangers)

☐ **1200** (Flat Bar Hangers)

☐ blank (120V)

☐-DIM^{2,3} (Phase Dimming)

-ED10V1 (eldoLED 0-10V 1%)

☐-ED10V01 (eldoLED 0-10V 0.1%)

□-DMXR⁵ (DMX512 RDM 0.1%)

☐-LUT' (Lutron® LDE1 EcoSystem 1%)

☐-LUT54 (Lutron® LDE5 EcoSystem 5%)

Lutron® LTEA2W 2-Wire 1%)

☐ EM7T (7W Emergency Unit w/ Integral ☐ L3 (17 Watts) ☐ 358 (3500K / 80 CRI) ▼ Not available with universal voltage, must specify blank (120V) or 27 (277V) ▼ (21 Watts) **408** (4000K / 80 CRI) Test Switch IOTA part #ILB-CP07-R) □ blank (120V)
□ **27** (277V) ☐ EM20⁶ [20W Emergency Backup w/ Remote ☐ L5 (26 Watts) -DIM^{2,3} (Phase Dimming) -ED10V1 (eldoLED 0-10V 1%) Test Switch <u>IOTA ILB-CP20-HE-S</u>) ☐ **EOL** (End-of-Life Indicator at 50,000 hours) -ED10V01 (eldoLED 0-10V 0.1%) ☐ **I100** (C-Channel Bar Hangers) □-LUT4 (Lutron® LDE1 EcoSystem 1% ☐ **1200** (Flat Bar Hangers) □-LUT54 (Lutron® LDE5 EcoSystem 5%) -LUT23,4 (Lutron® LTEA2W 2-Wire 1%) ■ 1400 (Wood Joist Bar Hangers) □-DMXR⁵ (DMX512 RDM 0.1%) 1. Intellect not available with eldoLED, Lutron, Dali or DMX Dimming (Integrated intellect control system includes sensor and power pack Reflector Part Number (Example: IC630HZ-SF) Keypad Room Controller must be specified separately) Reflector Reflector Finish Trim ☐ C [Clear] ☐ -SF [Self Flanged] ☐ EM7T (Integral Test Switch) Lutron not available in L1 & L7
 DMX512 RDM not available in L1 & L2 ☐ HZ (Haze) ☐ -SFW (Self Flanged White) 20W emergency not available in L1, L2 & L3 ☐ W (White) INTENSE LIGHTING | 3340 E La Palma Ave, Anaheim, CA 92806 | tel 714 630-9877 | fax 714 630-9883

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