# PRELIMINARY & FINAL SITE PLAN

# BLOCK 4201.01, LOT 33.03 **GROVERS MILL ROAD** TOWNSHIP OF LAWRENCE COUNTY OF MERCER, NEW JERSEY

### PROPERTY OWNERS WITHIN 200'

TOWNS	HIP OF	LAWRENCE (Per Construction Official date	ted 8-3-2023)
BLOCK	<u>LOT</u>	PROPERTY OWNER	PROPERTY LOCATION
4201	10.03	TOWN COURT OWNER TIC LLC 5850 W 3RD ST #109 LOS ANGELES, CA 90036	5850 W 3RD ST #109
	30.04, 33.02	DEPT OF TRANSPORTATION 1035 PARKWAY AVE TRENTON, NJ 08625	1035 PARKWAY AVE
	33.01	DEPT OF ENVIRONMENTAL PROTECTION JOHN FITCH PLAZA TRENTON, NJ 08625	JOHN FITCH PLAZA
	33.01 (T01)	SPRINT SPECTRUM PROP TAX DEPT PO BX 8430 (PLO3XC109) KANSAS CITY, MO 64114.8430	PO BX 8430 (PL03XC109)
	33.01 (T03)	VERIZON WIRELESS C/O DUFF & PHELPS PO BOX 2549 ADDISON, TX 75001	PO BOX 2549
4201.01	3.01	QUAKER BRIDGE MALL, LLC 225 WEST WASHINGTON ST INDIANAPOLIS, IN 46204	225 WEST WASHINGTON S
	32.02	FAMPEC, LLC 100 RENAISSANCE BLVD LAWRENCEVILLE, NJ 08648	100 RENAISSANCE BLVD
	32.03	AUTO CAMPUS REALTY LLC 100 RENAISSANCE BLVD LAWRENCEVILLE, NJ 08648	100 RENAISSANCE BLVD
	36	TF LWRCVL NJ/DEPT 36134,BC-151A 3333 BEVERLY ROAD HOFFMAN FSTATES II 60179	3333 BEVERLY ROAD

HOFFMAN ESTATES, IL 60179

# MUNICIPALITIES & UTILITIES

CORPORATE SECRETARY CORPORATE SECRETARY EWING-LAWRENCE SEWERAGE AUTHORITY 600 WHITEHEAD ROAD LAWRENCEVILLE, NJ 08648 NEWARK NJ 07101

N.J. AMERICAN WATER 1025 LAUREL OAK ROAD VOORHEES NJ 08043

CORPORATE SECRETARY TRENTON WATER WORKS P.O. BOX 528 TRENTON NJ 08604 AQUA WATER COMPANY 2875 ERIAL ROAD

ATTN: JAMES BARBATO 105 CARNEGIE CENTER

PRINCETON NJ 08540

MERCER COUNTY PLANNING BOARD TRENTON NJ 08650-8068

SUN PIPE LINE COMPANY ATTN: R-O-W DEPARTMENT 1801 MARKET STREET 26TH FLOOR PHILADELPHIA PA 19103-1699

SUNOCO PIPE LINE, L.P. RIGHT-OF-WAY DEPARTMENT MONTELLO COMPLEX 525 FRITZTOWN ROAD SINKING SPRING PA 19608

PUBLIC SERVICE ELECTRIC & GAS COMPANY 80 PARK PLAZA, 4B

ELIZABETHTOWN GAS COMPANY ONE ELIZABETHTOWN PLAZA THIRD FLOOR EAST UNION NJ 07083-1975

CORPORATE SECRETARY 540 BROAD STREET NEWARK NJ 07101 GENERAL MANAGER

**COMCAST CABLEVISION** 940 PROSPECT STREET TRENTON NJ 08618 CORPORATE SECRETARY

BEDMINSTER NJ 07921

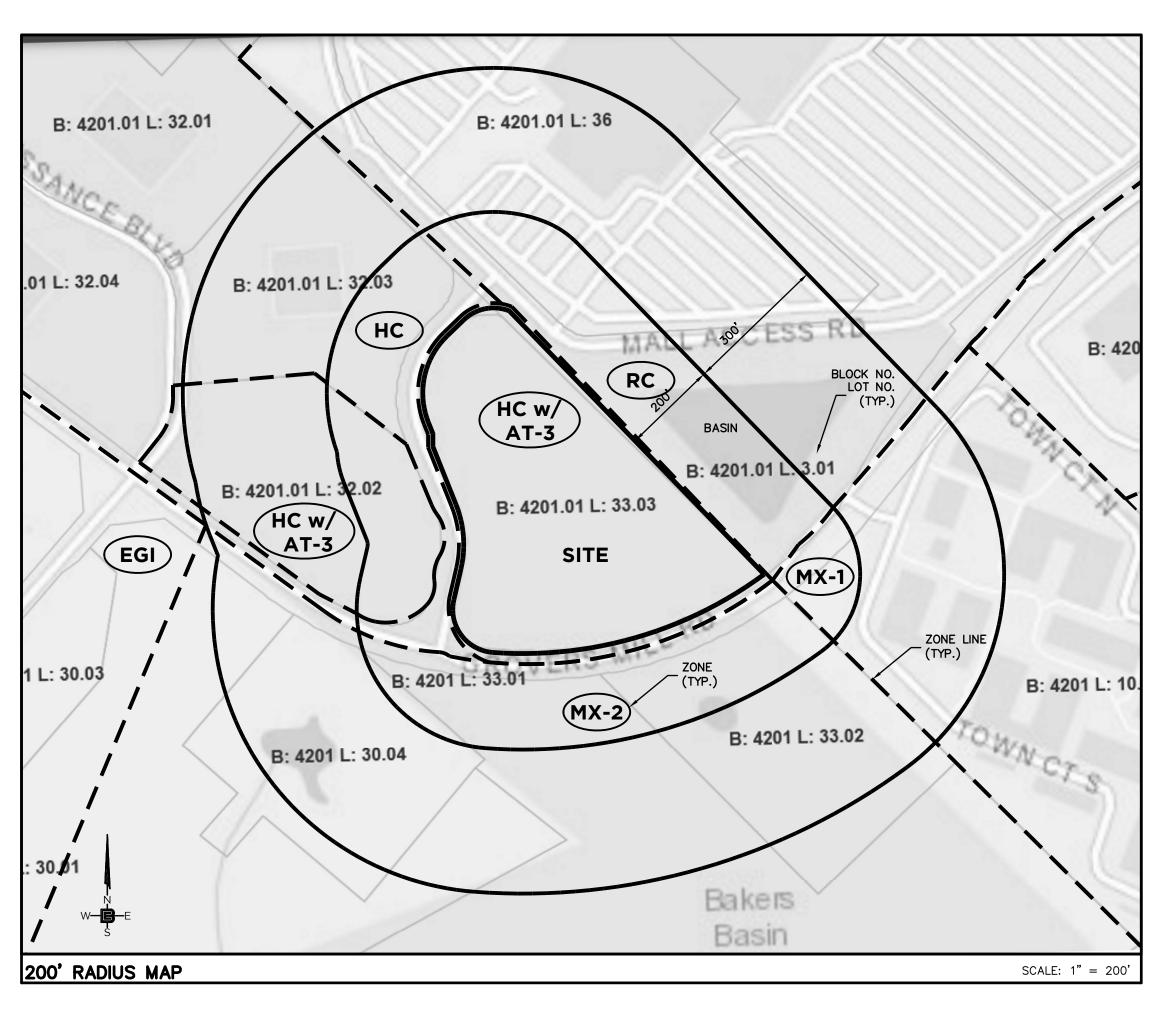
TRANSCONTINENTAL GAS PIPE LINE CORPORATION

1 AT&T WAY

CORPORATE SECRETARY 300 MADISON AVENUE MORRISTOWN NJ 07962 CORPORATE SECRETARY

2800 POST OAK BOULEVARD HOUSTON TX 77056 COMMISSIONER

N.J. DEPARTMENT OF TRANSPORTATION 1035 PARKWAY AVENUE, CN 600 TRENTON NJ 08625



DWG. #	DRAWING TITLE	DATED/ LAST REVISED	REV. #
C1.1	COVER SHEET	6-13-24	2
C2.1	SITE PLAN	6-13-24	2
02.2	SOIL EROSION & SEDIMENT CONTROL PLAN (OMIT)	3-19-24	2
C2.3	GRADING & DRAINAGE PLAN	6-13-24	3
C2.4	UTILITY PLAN	6-13-24	2
C2.5	LIGHTING & LANDSCAPING PLAN	6-13-24	2
C2.6	LIGHTING INTENSITIES PLAN	6-13-24	2
C2.7	PARKING PLAN	6-13-24	2
C2.8	GRADING & LANDSCAPE PLAN	6-13-24	1
C2.9	WETLANDS PERMITTING PLAN	6-13-24	2
C2.10	TREE REMOVAL PLAN	3-19-24	0
C3.1	SITE DETAILS	3-19-24	1
C3.2	DRAINAGE DETAILS	3-19-24	1
C3.3	UTILITY DETAILS	3-19-24	1
C3.4	LANDSCAPING DETAILS	3-19-24	1
C3.5	LIGHTING DETAILS	3-19-24	1
C4.1	ROAD PROFILES	6-13-24	1
SV-1	LOCATION & TOPOGRAPHICAL SURVEY	6-16-22	2
		-	

DRAWING LIST

UNIT MIX 6 3-BR TOWNHOUSE 25 4-BR TOWNHOUSE 3 3-BR APARTMENT

36 2-BR APARTMENT

85 TOTAL

15 1-BR APARTMENT

# REQUIRED APPROVALS

1. LAWRENCE TOWNSHIP PLANNING BOARD 2. MERCER COUNTY PLANNING BOARD 3. MERCER COUNTY SOIL CONSERVATION

4. NJDEP TREATMENT WORKS 5. NJDEP BUFFER AVERAGING

# REQUIRED VARIANCES

MIN. GROSS TRACT AREA MIN. BUILDABLE AREA MIN. BUILDING SETBACK MAX. UNITS PER APARTMENT BUILDING

MIN. BUILDING TO COMMON PARKING

# DESIGN EXCEPTIONS

492G4 - MAX. FENCE/WALL HEIGHT (4' REQUIRED - 13' PROPOSED) 525H1d - MIN. BUFFER RESIDENTIAL TO RETAIL (25' REQUIRED - 0' PROPOSED)

#### **ZONING NOTES**

1. OWNER/APPLICANT: TRICONE 2525 US-130 SUITE B4 CRANBURY, NJ 08512

GROVERS MILL ROAD & MALL ACCESS ROAD BLOCK 4201.01, LOT 33.03 TOWNSHIP OF LAWRENCE, NJ

AT-3 APARTMENT & TOWNHOUSE RESIDENTIAL 3. ZONE: 4. USE: PROPOSED: TOWNHOUSE/APARTMENT (PERMITTED) 85 UNITS PROPOSED

5. BULK REQUIREMENTS: (§ 409, ORD. 2283-17) <u>PROPOSED</u> MIN. GROSS TRACT AREA (AC) MIN. BUILDABLE AREA (AC) 3.73(V)

LOT WIDTH (FT) LOT DEPTH (FT) MAX. UNITS PER ACRE 12.39 MIN. OPEN SPACE(%) 1,200 MIN. FRONTAGE (FT) MIN. BUILDING SETBACK(FT) MAX. UNITS PER TOWNHOUSE BUILDING MAX. UNITS PER APPARTMENT BUILDING 24/30(V) MAX. UNITS PER MIXED BUILDING N/A MIN. DISTANCE BETWEEN BUILDINGS\* FRONT/BACK(FT) 30.5 BUILDING TO COMMON PARKING(FT MAX. BUILDING HEIGHT(STY/FT) 42.38 (V) MAX. BUILDING LENGTH(FT) MIN. PRIVATE REAR YARD PER GROUND FLOOR UNIT(SF)\*\* 200 50 COMPLY

MIN. APARTMENT SIZE(SF) MIN. STORAGE AREA PER UNIT TOWNHOUSE(SF) APARTMENT(SF)\*\*\* MIN. ACCESSORY STRUCTURE SETBACK(FT MAX. UNIT TYPE IN MIXED DEVELOPMENT(%) N/A/20 MIN. AFFORDABLE HOUSING UNITS(TOTAL/%

MIN. PRIVATE BALCONY PER ABOVE GROUND UNIT(SF)\*\*

MIN. TOWNHOUSE WIDTH(FT)

6. OFFSTREET PARKING (N.J.A.C.5: 21-TABLE 4.4) REQUIRED PROPOSED PROPOSED APARTMENT BUILDING A: 1 BEDROOM - 1.8 SP/UNIT  $(9 - 1 BEDROOM \times 1.8) = 16.2 SPACES$ 2 BEDROOM - 2.0 SP/UNIT  $(15 - 2 BEDROOM \times 2.0) = 30.0 SPACES$ 

TOTAL REQUIRED SPACES BUILDING "A" = 46.2

COMPLY

PROPOSED APARTMENT BUILDING F: 1 BEDROOM - 1.8 SP/UNIT  $(6 - 1 BEDROOM \times 1.8) = 10.8 SPACES$ 2 BEDROOM - 2.0 SP/UNIT

 $(21 - 2 BEDROOM \times 2.0) = 42.0 SPACES$ 3 BEDROOM - 2.1 SP/UNIT  $(3 - 3 BEDROOM \times 2.1) = 6.3 SPACES$ TOTAL REQUIRED SPACES BUILDING "F" = 59.1 + 13 POOL 105

TOTAL APARTMENT SPACES (46.2 + 59.1) = 105.3PROPOSED TOWNHOUSE: (PROPOSED: 2 GARAGE SPACES + 1 DRIVEWAY SPACE = 3 PER TOWNHOUSE)

31 3-BR TOWNHOUSE  $\times$  2.4 = 74.4 198 TOTAL TOTAL REQUIRED SPACES (105.3 + 74.4) = 179.7MIN. PARKING/DRIVEWAY SETBACK(FT) 31.5 MIN. PARKING SPACE SIZE(FT) 9x18 9x18 MIN. 90° PARKING AISLE WIDTH (FT) MIN. HANDICAP SPACES (1401 TO 150):

# REQUIRED ELECTRIC VEHICLE SUPPLY EQUIPMENT SPACES (EVSE):

RESIDENTIAL/APARTMENTS REQUIRED PROVIDED MIN. (EVSE)(15% OF REQUIRED): (105.3 SP x .15) = 15.80MIN. HANDICAP (EVSE)(5% OF REQUIRED):  $(15.80 \text{ SP} \times .05) = 0.79$ 1 COMPLIES TOTAL EVSE SPACES = 16

TOTAL SPACES = 198 EVSE BONUS/CREDIT (2 TO 1) = 10TOTAL ADJUSTED SPACES = 208

APPROVED BY THE LAWRENCE TOWNSHIP

PLANNING BOARD OF ADJUSTMENT AT A

MEETING HELD ON

ADMINISTRATIVE OFFICER

CHAIRPERSON

TBD — TO BE DETERMINED (E) - INDICATES AN EXISTING NON-CONFORMITY (V) - INDICATES A VARIANCE IS REQUIRED

N/A - NOT APPLICABLE \* THE PLANNING OR ZONING BOARD, AFTER DUE CONSIDERATION OF PLANS, TESTIMO OF OTHER EVIDENCE, MAY WAIVE STRICT COMPLIANCE WITH THIS SUBSECTION TO

FURTHER THE ARCHITECTURAL RELATIONSHIP OF BUILDING GROUPS. \*\* OR AN ACTIVE AND/OR PASSIVE RECREATION AREA EQUAL TO 200SF PER UNIT AVAILABLE TO ALL TENANTS OR OWNERS.

\*\*\* MAY BE REDUCED TO NO MORE THAN 75 SF IF EACH BUILDING HAS AN INTERNAL GARBAGE AND RECYCLABLE COLLECTION AREA OR READILY ACCESSIBLE EXTERIOR GARBAGE AND TRASH COLLECTION POINT.

# SOLID WASTE MANAGEMENT

1. TOWNHOMES TO STORE TRASH AND RECYCLING WITHIN UNITS TO BE PLACED ON CURB SIDE FOR PICKUP.

NC - NO CHANGE

2. APARTMENT BUILDINGS HAVE TRASH SHOOTS AND COMPACTORS. TRASH TO BE STORED IN TRASH ROOM FOR PRIVATE COLLECTION, RECYCLING TO BE STORED IN TRASH ROOM AND PLACED AT CURB FOR PICKUP.

SED .	BERTIN ENGINEERIN		THIS DRAWING IS THE DROBEDTY OF THE CLIENT AND REDTIN ENGINEEDING ASSOCIATES INC. AND WAS BE	יייטריי לייל לאייל יוייליטר ליייליטר להייליים ביילה ליילים לייל לייל לייל לייל לייל ליי
	CALISTO J. BERTIN, PROFESSIONAL ENGINEER		Ξ.	
	CT LIC. NO. 12950 NJ LIC. N MA LIC. NO. 40595 NY LIC. N NH LIC. NO. 9368 RI LIC. NO.	O. (	288 600 66	2
	6	_		
	ERIC M. HOUGH, P. professional engineer			
RIOR	NJ LIC. NO. 51893			
	NOT VALID UNTIL SEALED	_		
		V.L.	V.L.	
RIOR				
RIOR				
PARKING				
L SPACES				
		DRAWING LIST	DRAWING LIST	
		24 REVISED	24 REVISED	
		6-13-24	3-19-24	
	DRAWING TITLE	2	-	
	COVER SHEET	_		
DNY,				
	PDQ 1507			-

**RESIDENTIAL** 

BLOCK 4201.01, LOT 33.03

OWNSHIP OF LAWRENCE

2525 US-130 SUITE B4

CRANBURY, NJ 08512

TRICONE

AS SHOWN

10-12-23

DATE

MERCER COUNTY, NEW JERSEY

**DEVELOPMENT** 

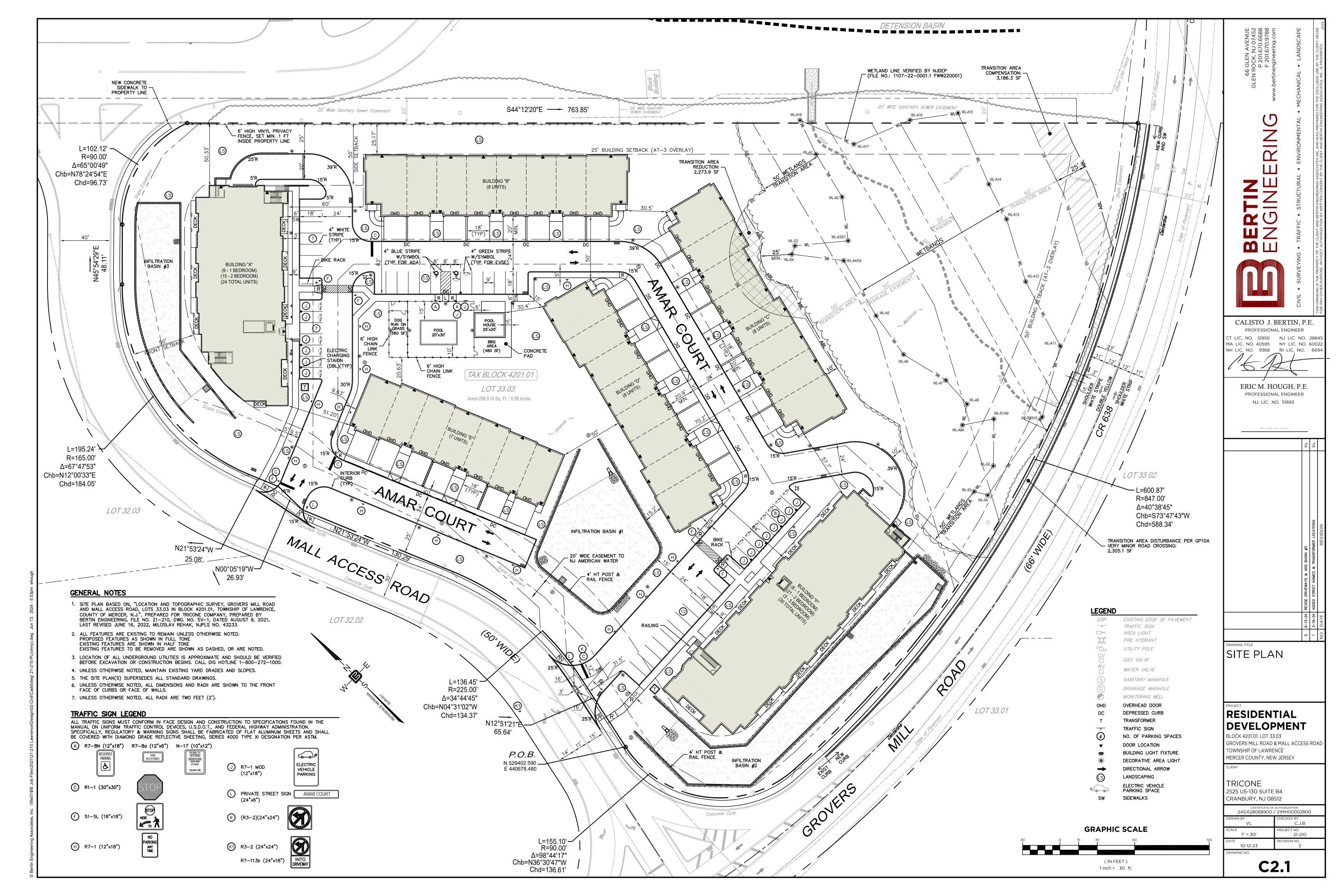
ROVERS MILL ROAD & MALL ACCESS ROAD

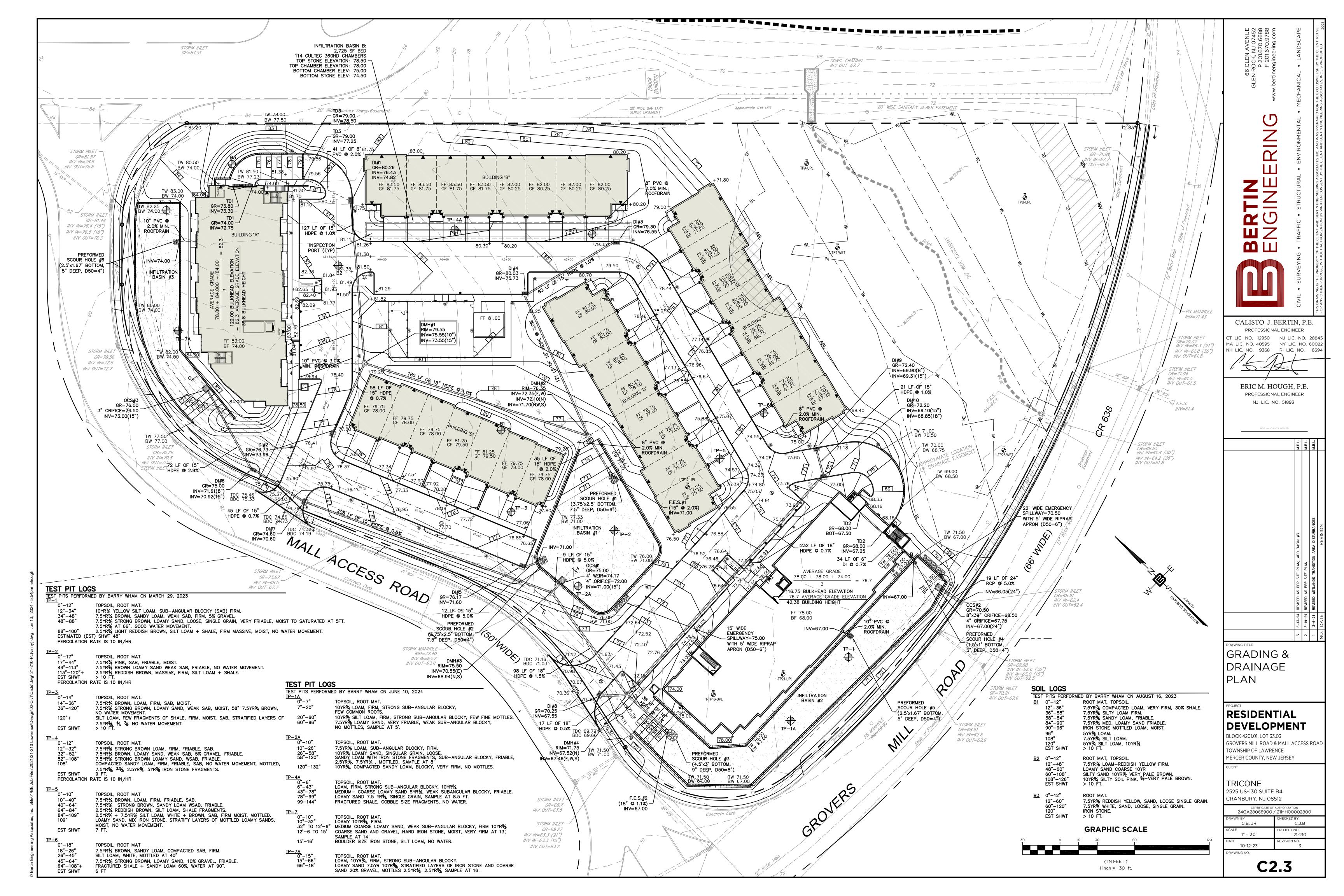
24GA28068900 / 21MH00002800

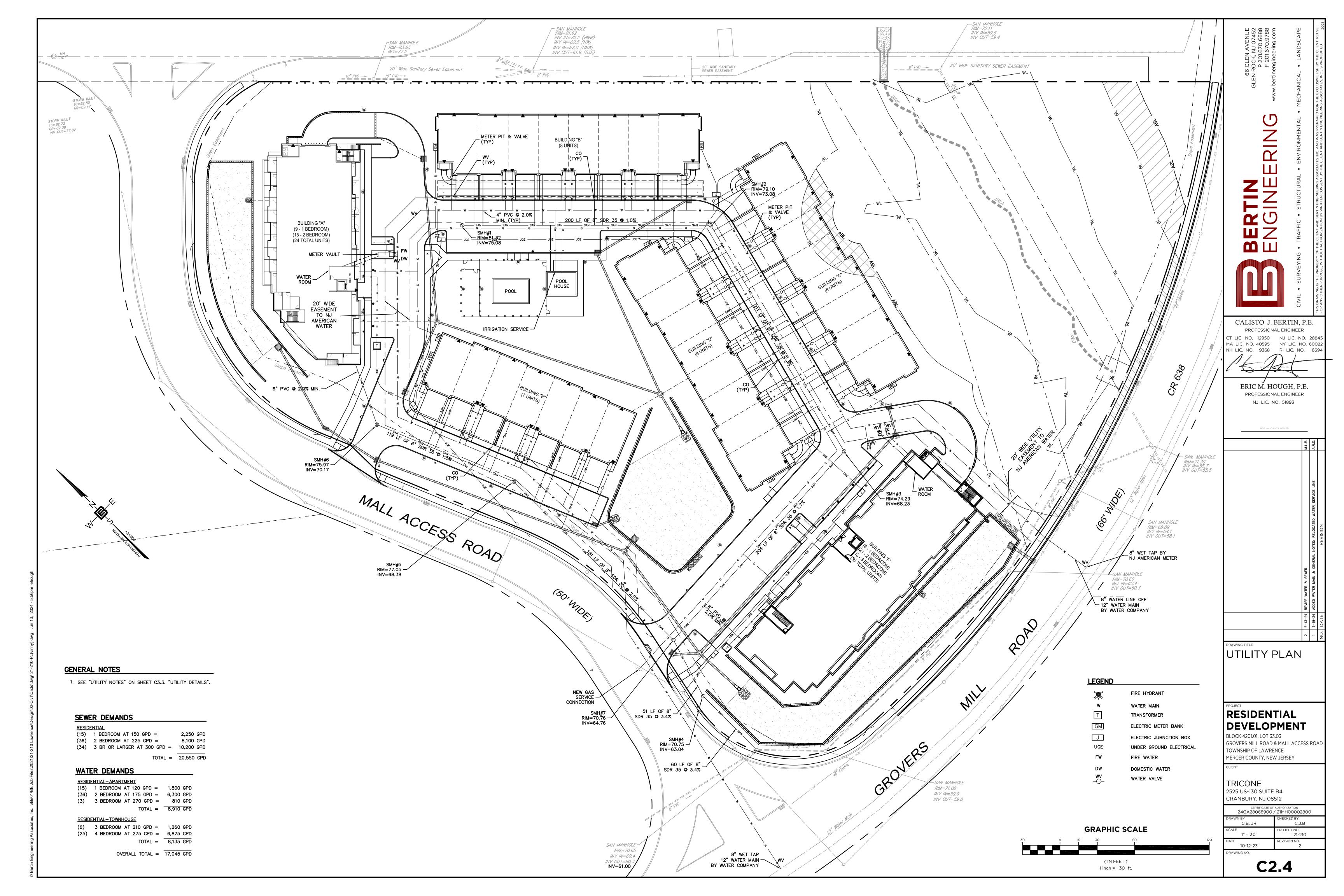
C.J.B

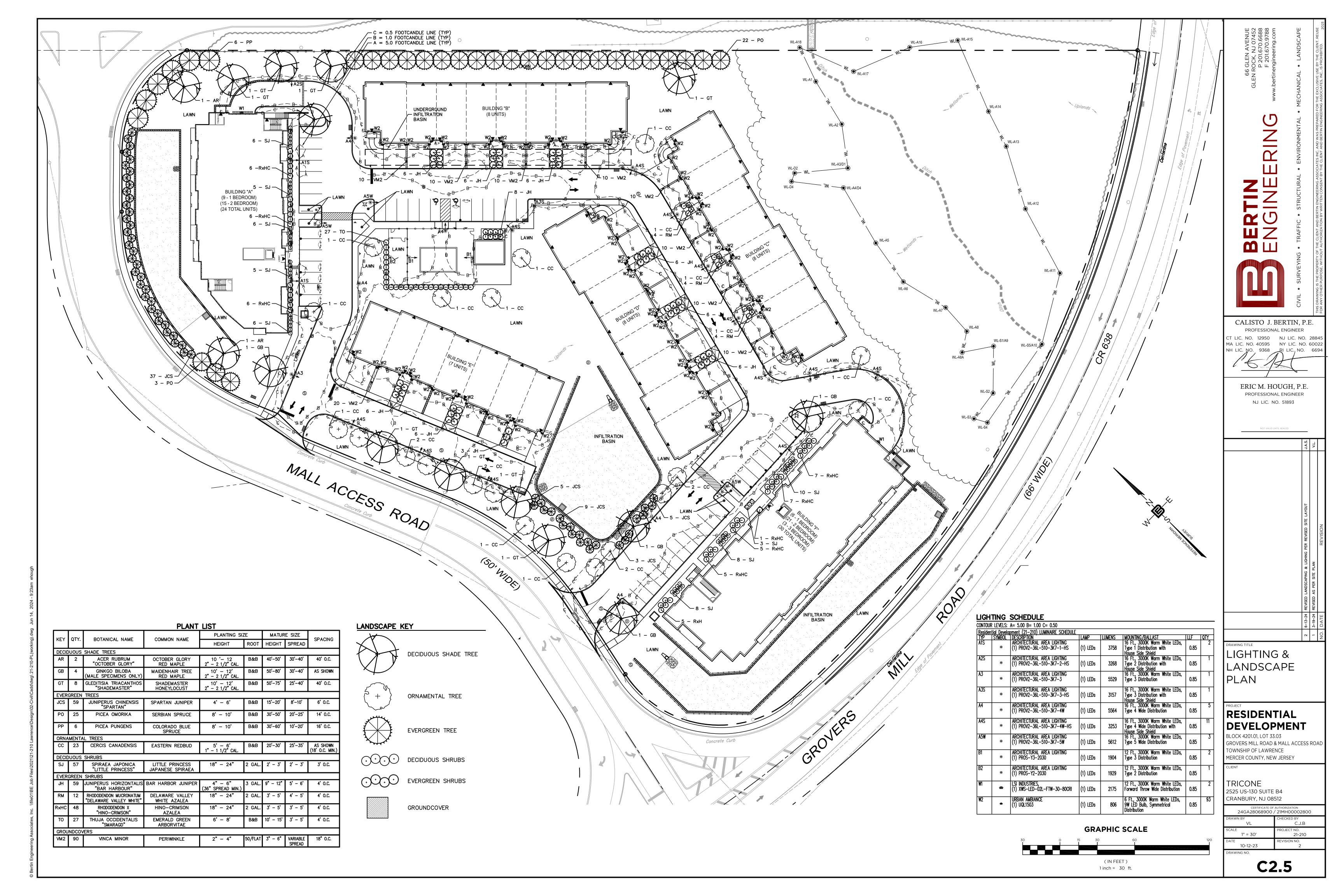
21-210

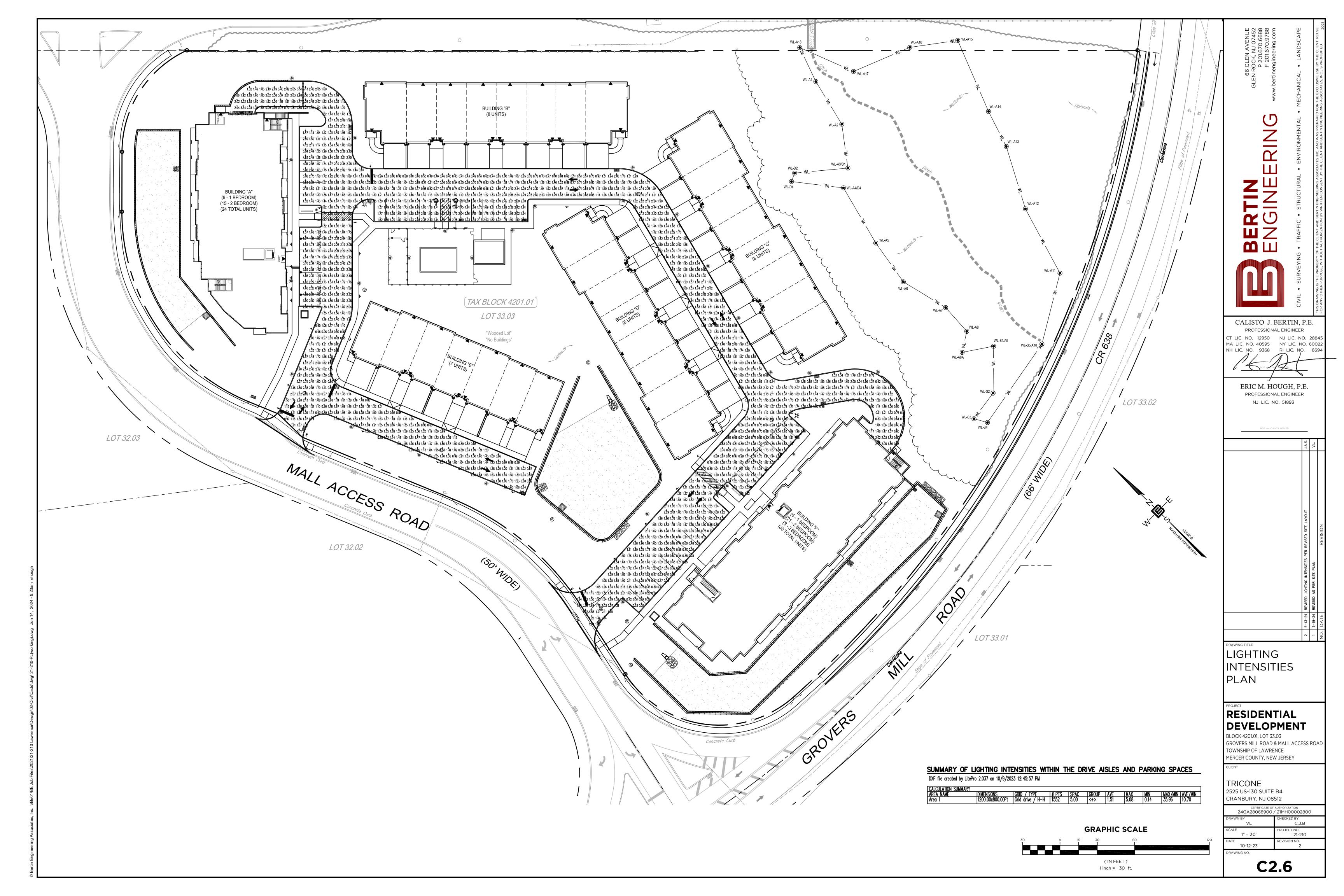
66 GLEN AVENUE EN ROCK, NJ 07452 P 201.670.6688 F 201.670.9788

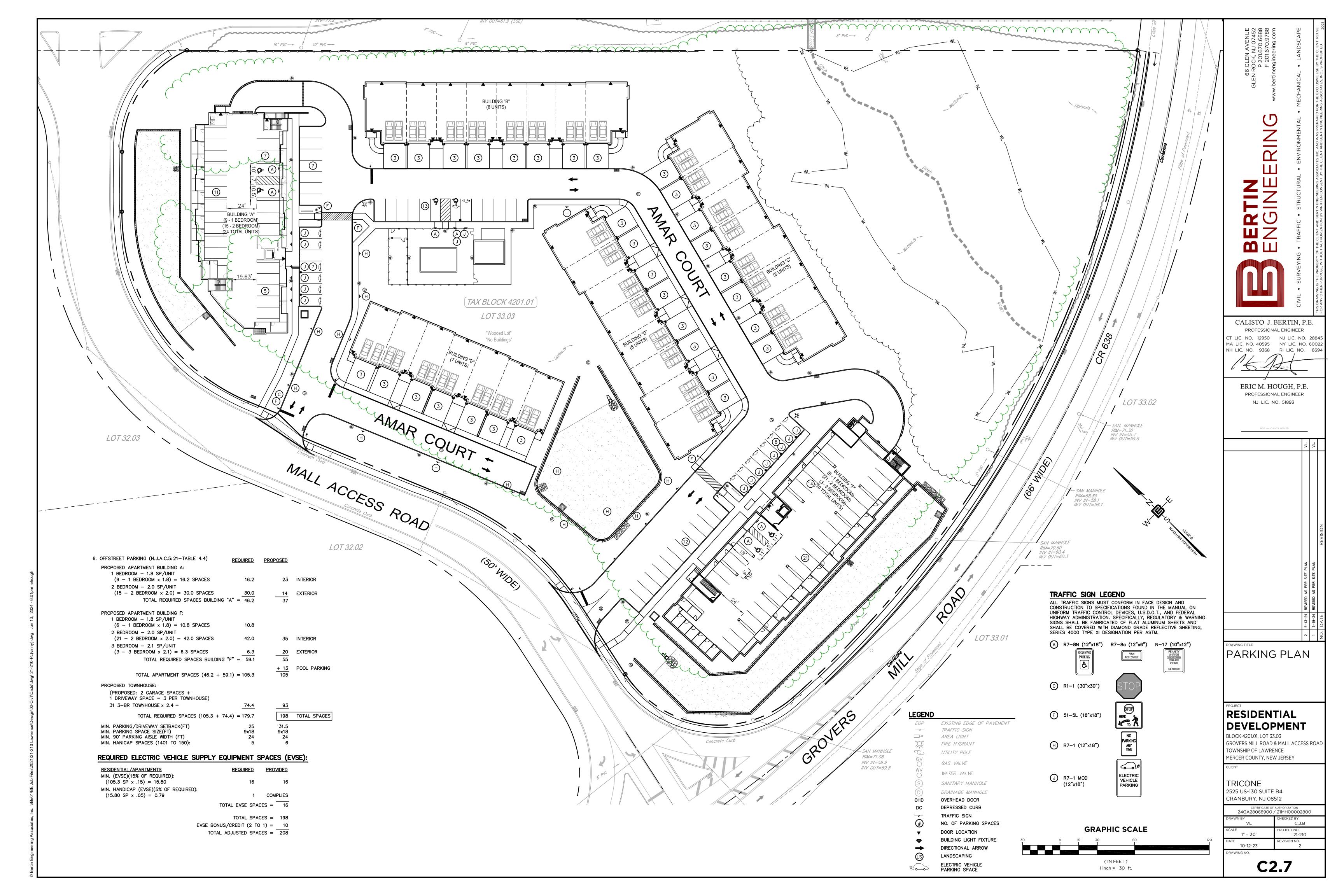


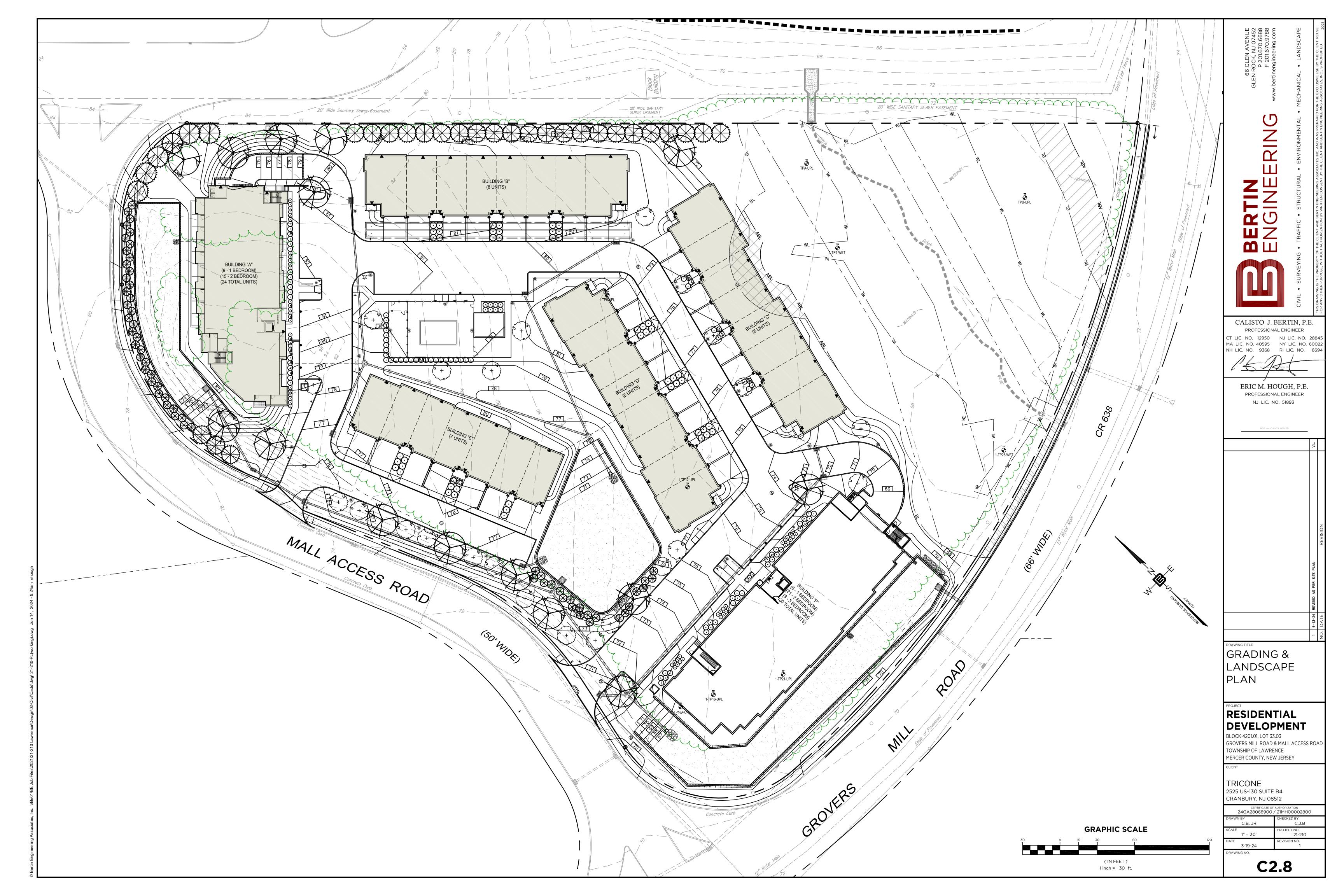


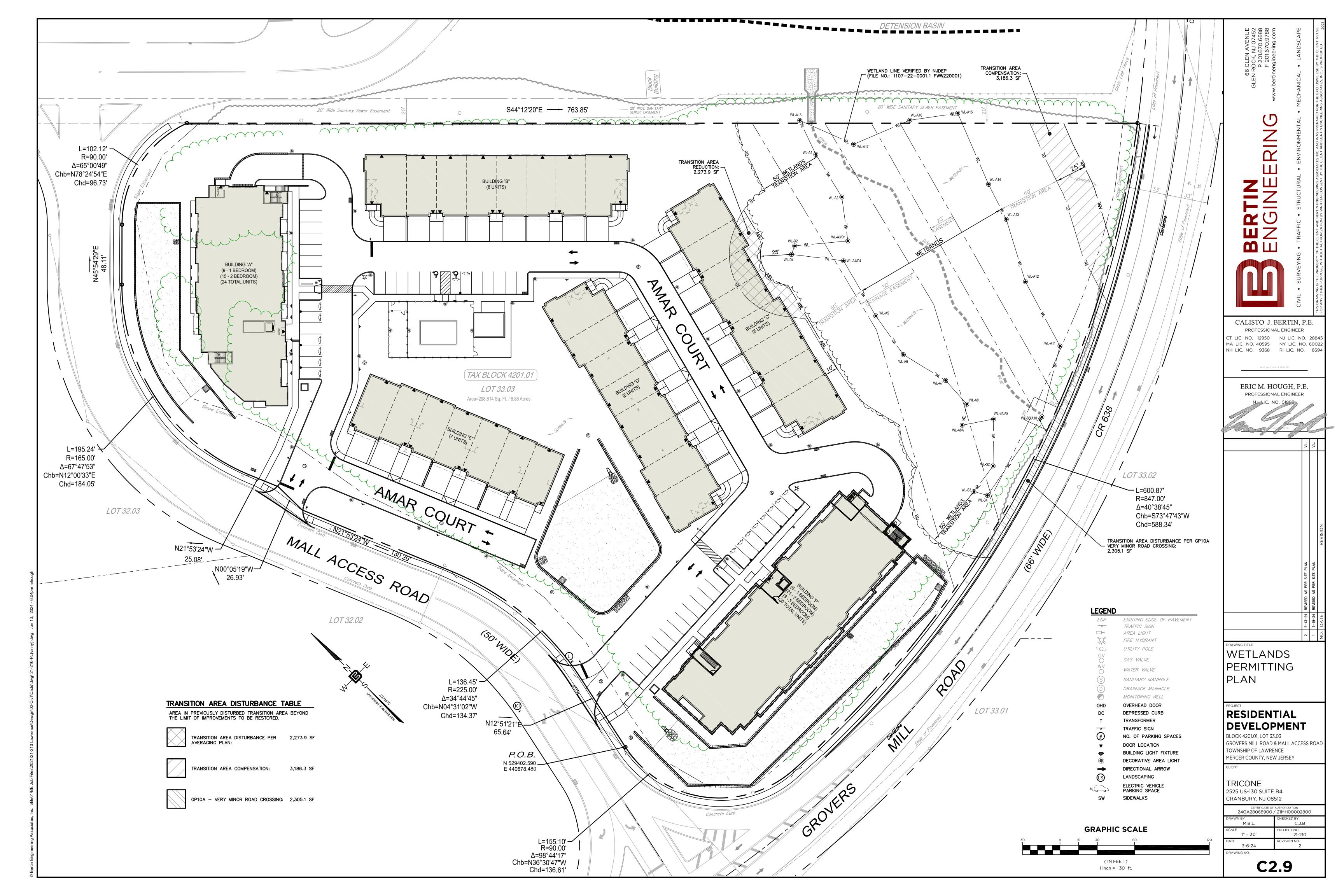


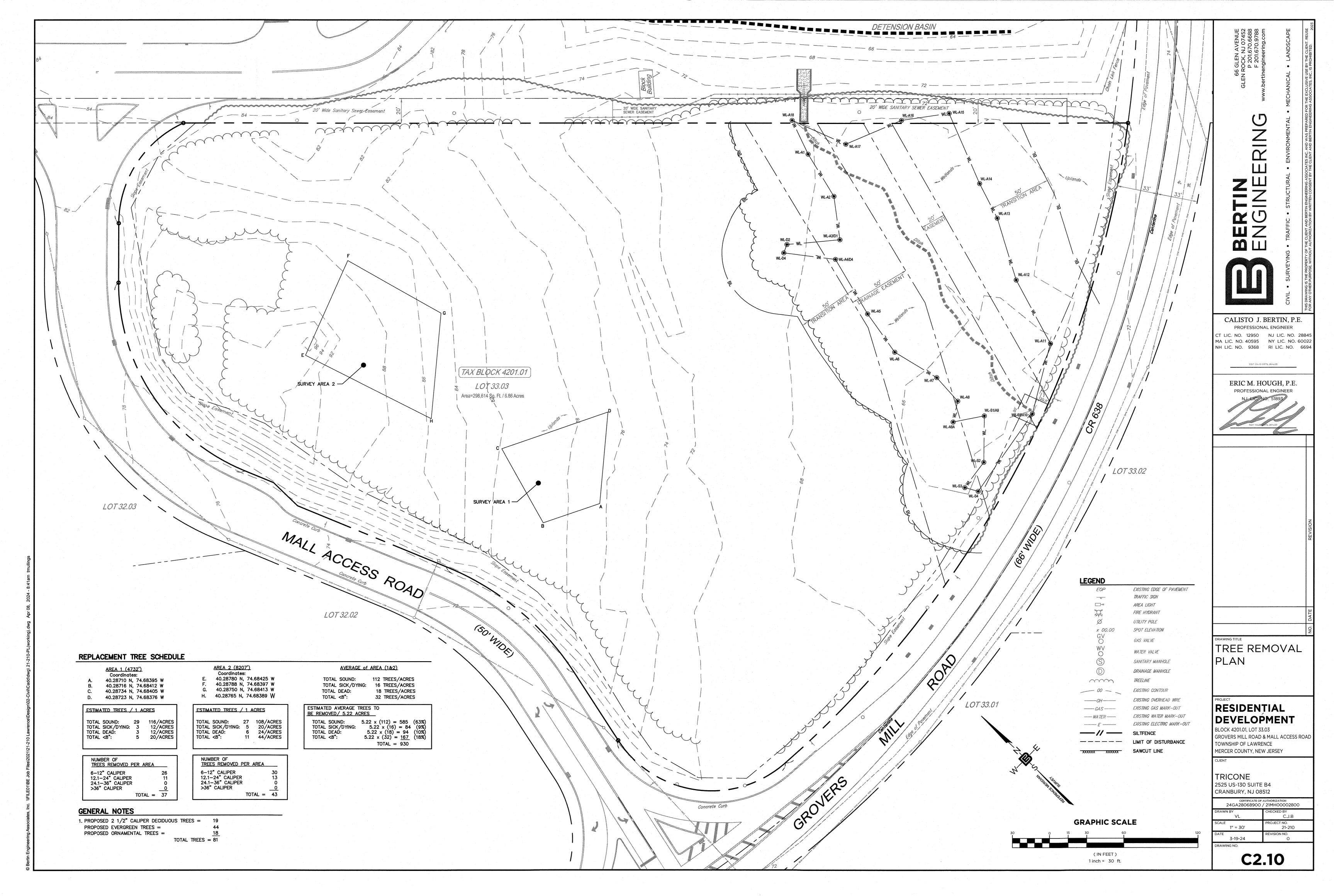


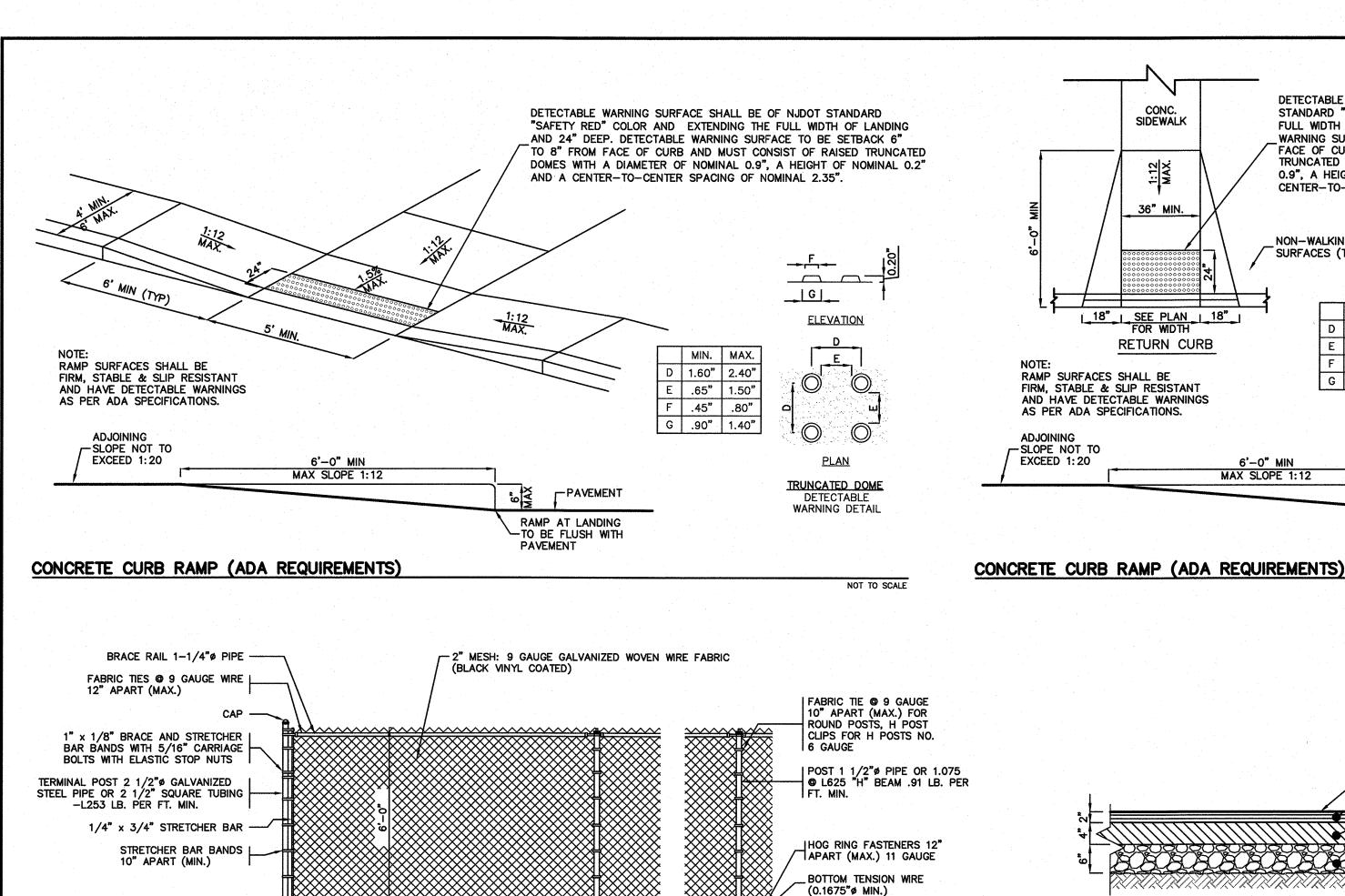












10'-0" NOMINAL POST SPACING (TYP.)

3. FABRIC SHALL BE GALVANIZED WIRE, ALL PIPE TO CONFORM TO CURRENT ASTM DESIGNATION F 1083, SCHEDULE 40, PLAIN END.

- PAVEMENT SURFACE

CONCRETE PAVEMENT DETAIL

6. WITH THE APPROVAL OF THE ENGINEER, IN SOFT MARSHY GROUND, POSTS MAY BE DRIVEN, THE CONCRETE FOOTING DELETED AND APPROVED DRIVE ANCHORS USED.

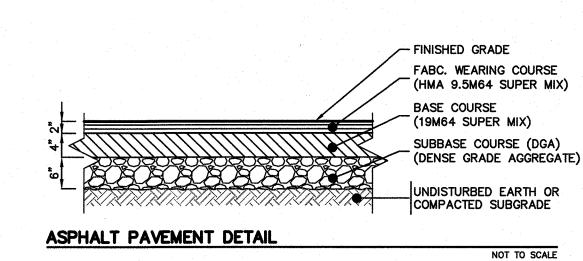
CLASS "B" CONC.
(4,500 PSI @ 28 PAYS)

8"ø

WELDED WIRE FABRIC

UNDISTURBED EARTH OR COMPACTED SUBGRADE

- DGA SUBBASE



DETECTABLE WARNING SURFACE SHALL BE OF NJDOT

STANDARD "SAFETY RED" COLOR ANDEXTENDING THE

FULL WIDTH OF RAMP AND 24" DEEP. DETECTABLE

FACE OF CURB AND MUST CONSIST OF RAISED

0.9". A HEIGHT OF NOMINAL 0.2" AND A

MIN. MAX.

D 1.60" 2.40"

E .65" 1.50"

G .90" 1.40"

· .45" | .80"

NON-WALKING

MAX SLOPE 1:12

SURFACES (TYP)

TRUNCATED DOMES WITH A DIAMETER OF NOMINAL

CENTER-TO-CENTER SPACING OF NOMINAL 2.35".

E.A.

G

**ELEVATION** 

<u>PLAN</u>

TRUNCATED DOME

DETECTABLE

RAMP AT

\_GUTTER TO BE

FLUSH WITH

PAVEMENT

WARNING DETAIL

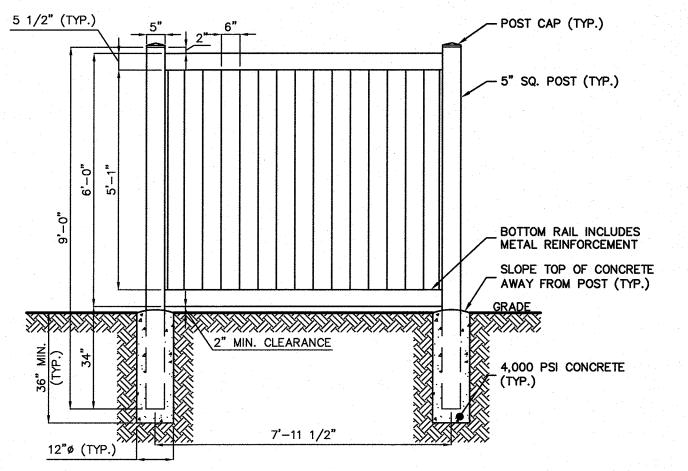
PAVEMENT

WARNING SURFACE TO BE SETBACK 6" TO 8" FROM

SIDEWALK

| 18" | SEE PLAN | 18" | FOR WIDTH

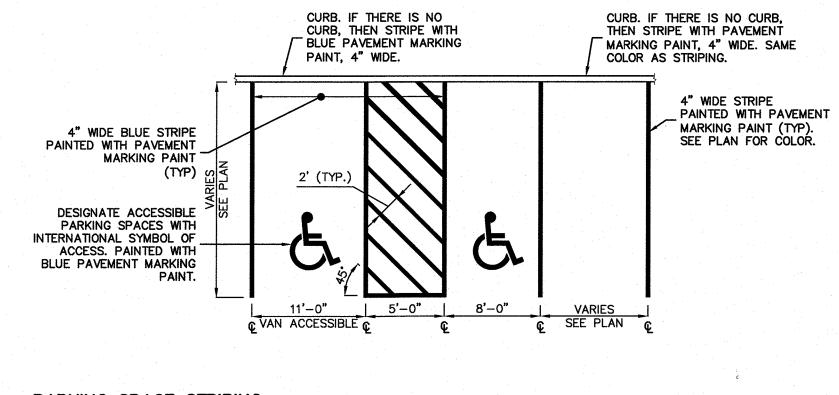
RETURN CURB

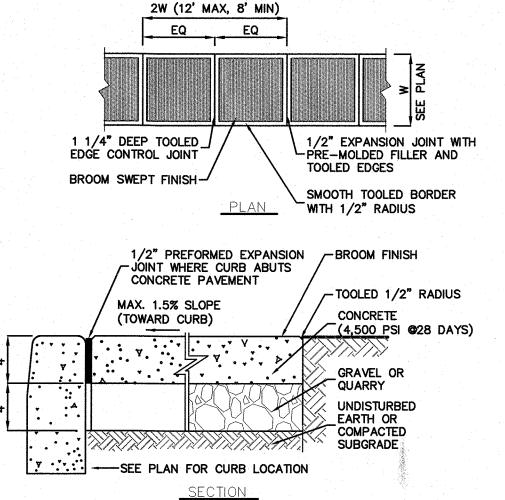




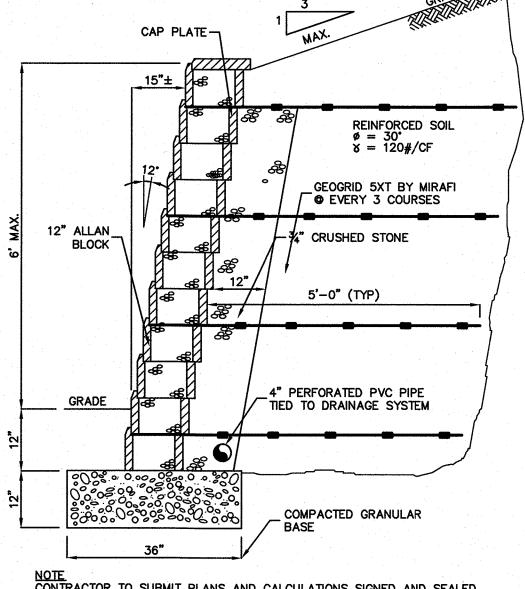
2. INSTALLATION TO BE AS PER MANUFACTURER'S INSTRUCTIONS & RECOMMENDATIONS.





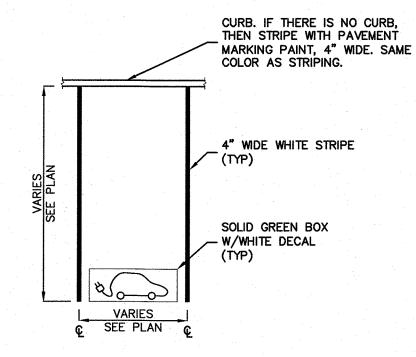


CONCRETE SIDEWALK DETAIL

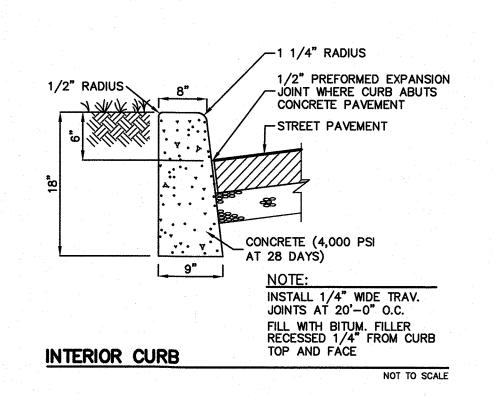


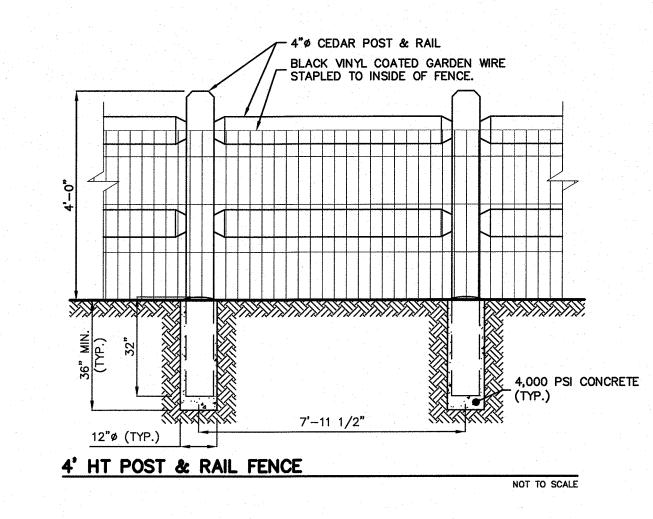
CONTRACTOR TO SUBMIT PLANS AND CALCULATIONS SIGNED AND SEALED BY A LICENSED NJ PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL TO THE TOWNSHIP ENGINEER PRIOR TO CONSTRUCTION.

6' RETAINING WALL DETAIL (ALLAN BLOCK)



# ELECTRIC VEHICLE PARKING SPACE STRIPING





Driver Friendly User Interface

Real-time energy measurement

Load shed by % of running average

\* 15 minute interval recording

Time of Day (TOD) pricing

or to fixed power output

he standard EV Charging Only

sign is easily replaceable with ......

The cap of the CT4000 family is

The 5.7° LCD display provides

also available for custom

full motion chaming

instructions in a clear and simple format. It also allows

station owners to deliver

advertising messaging. ---

upported in any weather

buttons with eudin feedback.

by five ragged, back-lit

your branding.

branding.

phone support

Instructional video shows how to use the station

**Energy Measurement and Management** 

# CT4000 Family

#### ChargePoint® Charging Stations

The CT4000 is the latest generation of ChargePoint charging. stations. Refined yet rugged, the CT4000 family sets the industry standard for functionality and aesthetics. A robust cord

 Multi-language; English, French, Spanish retraction system comes standard on all CT4000 models to Touch button interface; works in rain, ice and with gloves eliminate unsightly cords on the ground, and to keep your drivers Backed by ChargePoint's world class 24/7 driver from having to touch charging cables. The CT4000 full motion color LCD display instructs drivers while

supporting dynamic updates of custom branded videos and advertisements. The intelligent power sharing feature of the CT4000 doubles the number of parking spaces served by allowing two charging ports to share a single circuit. Sites with single port EV stations

electrical services. All CT4000 models offer one or two standard SAE J1772™ Level 2 charging ports with locking holsters, each port supplying

can upgrade to dual port stations without requiring additional

up to 7.2kW. Available in bollard and wall mount configurations, the CT4000 supports easy installation anywhere. To future proof your investment, all stations are fully software upgradeable over the air. All ChargePoint stations are networked and managed through ChargePoint Service Plans' and backed by ChargePoint's world class 24/7 driver phone support.

Corporate Branding and Video Advertising \* Download full motion color videos to your stations?

 Custom replaceable signage to project your brand Custom "cap" printing available<sup>3</sup>

Clean Cord Technology<sup>18</sup>

Maintenance-free, light-weight, self-retracting cords come standard on all models

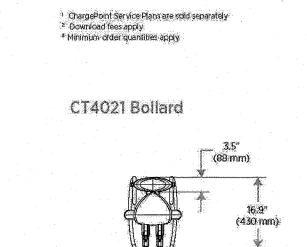
\* Keep charging cords off the ground and out of your and drivers' hands Flexible over entire -22°F to +122°F product temperature range

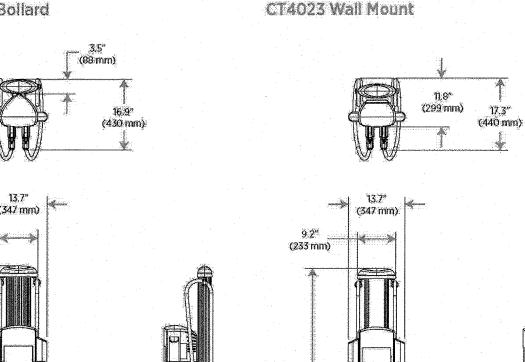
Intelligent Power Sharing (patent pending)

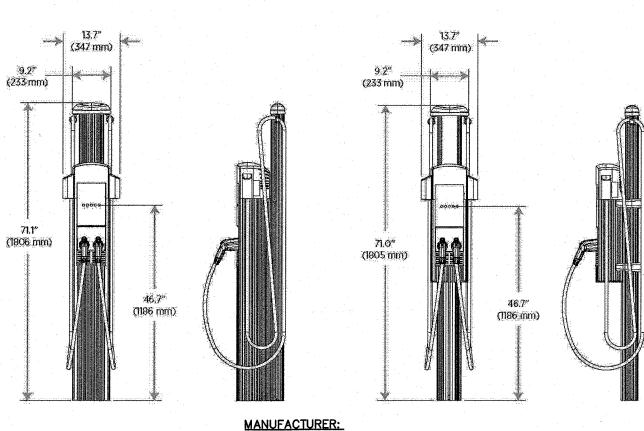
 Reduced installation and operating costs \* Dynamically share one 40A circuit between two parking spaces Double the number of parking spaces for a given site's power capacity

 Upgrade a single port station to dual port with no electrical upgrade

SCALE: 1/2" = 1'-0"







MANUFACTURER: CHARGEPOINT INC. 1692 DELL AVENUE CAMPBELL, CA 95008-6901 (877) 370-36802

ÒR ÉQUAL

ELECTRIC VEHICLE CHARGE STATION - DOUBLE

Z

66 GLEN IN ROCK, I P 201. F 201.

CALISTO J. BERTIN, P.E. PROFESSIONAL ENGINEER

CT LIC. NO. 12950 NJ LIC. NO. 28845 MA LIC. NO. 40595 NY LIC. NO. 60022 NH LIC. NO. 9368 RI LIC. NO. 669

ERIC M. HOUGH, P.E PROFESSIONAL ENGINEER

SITE DETAILS

RESIDENTIAL **DEVELOPMENT** 

BLOCK 4201.01, LOT 33.03 GROVERS MILL ROAD & MALL ACCESS ROAD

OWNSHIP OF LAWRENCE MERCER COUNTY, NEW JERSEY

TRICONE 2525 US-130 SUITE B4 CRANBURY, NJ 08512

NOT TO SCALE

CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800 C.J.B AS SHOWN 21-210 VISION NO. 10-12-23

C3.1

**BICYCLE RACK** 

BRACE BAND FOR TENSION WIRE

CHAIN LINK FENCE DETAIL

1. ALL TIES, HOG RINGS AND CLIPS SHALL BE GALVANIZED.

4. BRACE RAIL AND ROD AT CORNER AND END SECTION ONLY.

5. ALL REFERENCES TO PIPE DIAMETER ARE ASTM NOMINAL SIZE.

2. CAP NOT REQUIRED FOR "H" BEAMS.

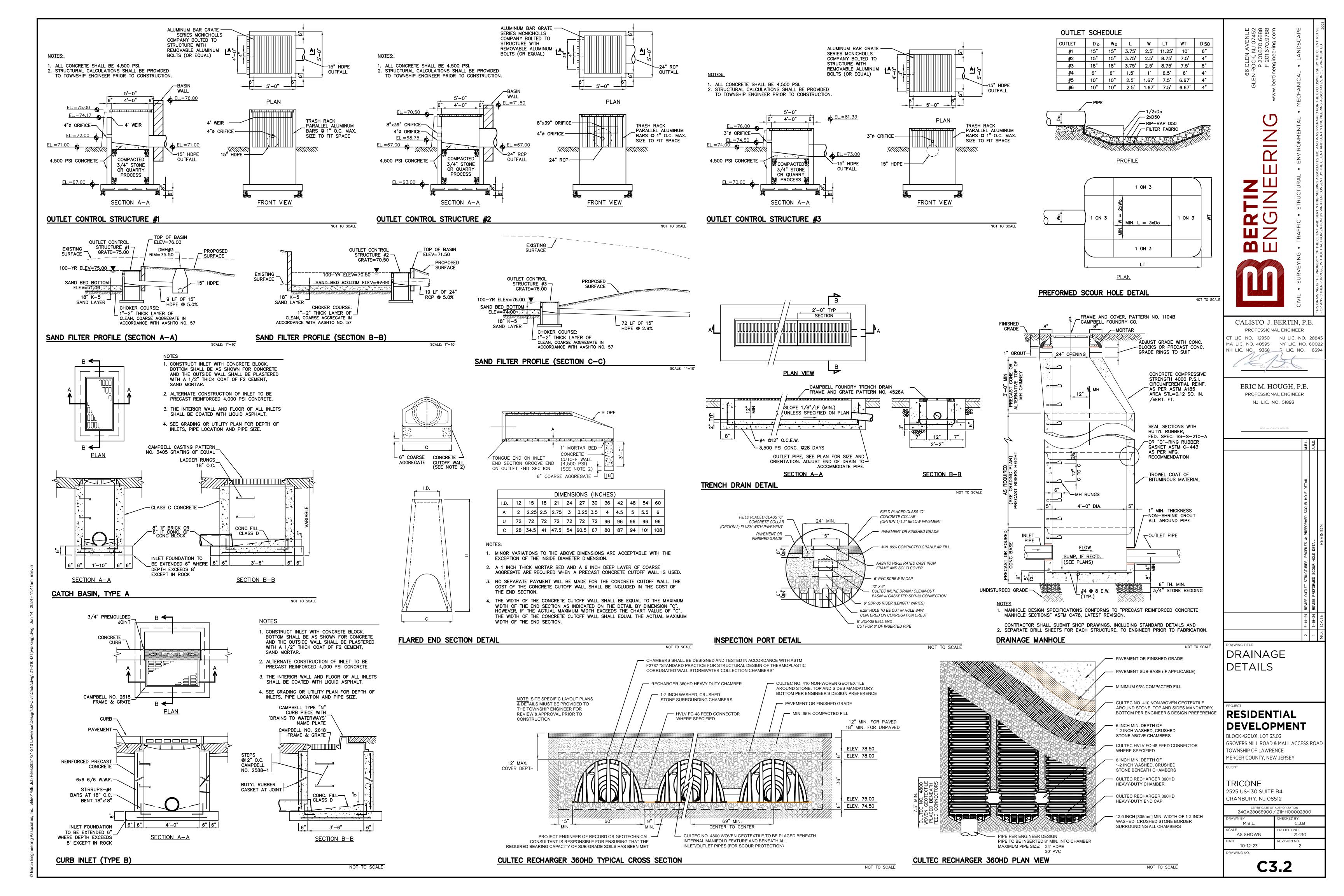
NINE (9) BIKE CAPACITY TUBULAR STEEL RACK. MANUFACTURED BY AAA RIBBON RACK CO. MODEL #RB-09 FINISH: HOT-DIPPED INGROUND ANCHOR MOUNT (STANDARD) ¾"x6" ANCHOR ROD THROUGH POST 4,000 PSI 9 28 DAYS SURFACE FLANGE MOUNT (OPTIONAL)

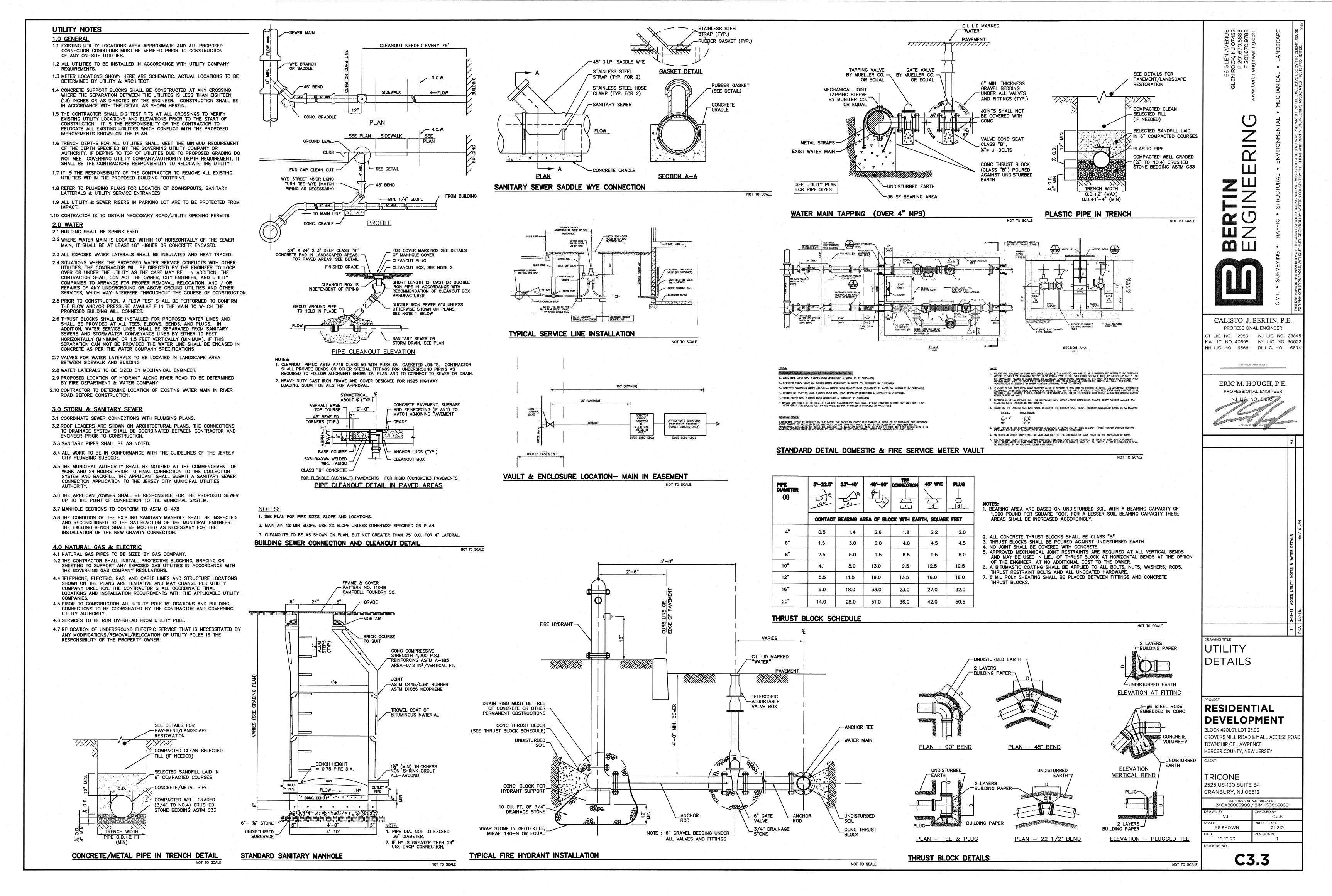
- PITCH TO DRAIN

- CLASS D CONC.

PLUG END OF PIPE

PARKING SPACE STRIPING



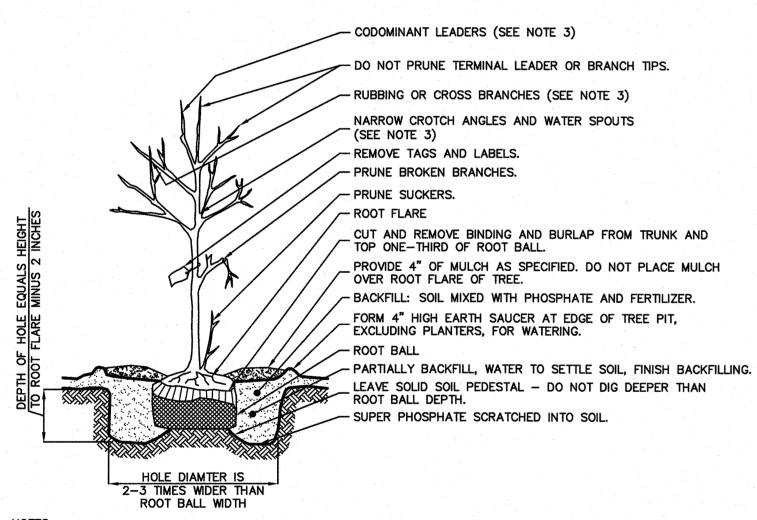


SCREEN TOPSOIL TO REMOVE DEBRIS AND OBJECTIONABLE WEED AND STONES, TOPSOIL -SHALL BE FRIABLE AND LOAMY AND CONTAIN NO TOXIC SUBSTANCE HARMFUL TO PLANT -UNDISTURBED EARTH

TOP SOIL & GRASS DETAIL

NOT TO SCALE

PRUNE 1/4 OF LEAF AREA BUT RETAIN NATURAL FORM SPRAY WITH "WILT-PRUF" ACCORDING TO MANUFACTURERS INSTRUCTIONS IF FOLIAGE IS TO BE PLANTED AT SAME FINISHED GRADE AS GROWN AT NURSERY CONSTRUCT EARTH SAUCER WITH OVER BERM 3" HIGH BERM 18" MIN. FOR PLANTS REMOVE PLASTIC CONTAINER OR UP TO 4' HIGH, 20" MIN. BURLAP AND BINDING FROM UPPER FOR PLANTS OVER 4' 1/3 OF ROOTBALL BACKFILL WITH PREPARED TOPSOIL (3:1 RATIO TOPSOIL TO PEAT MOSS) SUBSOIL TO BE SCARIFIED 6" FOR PLANTS UP TO 4' HIGH 8" FOR PLANTS OVER 4' HIGH SHRUB PLANTING DETAIL



1. WIRE BASKETS ARE TO BE REMOVED PRIOR TO BACKFILLING THE PLANTING PIT.

2. DO NOT STAKE TREE OR WRAP TRUNK UNLESS SPECIFIED ON PLANS OR REQUIRED BY A REVIEWING ENGINEER OR INSPECTOR. IF STAKING IS REQUIRED, A DETAIL WILL BE PROVIDED. IF TRUNK WRAPPING IS REQUIRED USE A WATERPROOF, BIODEGRADABLE TREE WRAP WITH 50% OVERLAP SECURED WITH HEMP CORD TO FIRST BRANCHING

3. AT TIME OF PLANTING, ONLY PRUNE DEAD OR BROKEN BRANCHES, ANY SUCKERS AND ANY BRANCHES THAT MAY BE A HAZARD TO PEDESTRIANS. AT 2-3 YEARS AFTER PLANTING, PRUNE THE FOLLOWING: CODOMINANT LEADERS, RUBBING OR CROSS BRANCHES, WATER SPOUTS AND BRANCHES WITH NARROW CROTCH ANGLES.

TYPICAL TREE PLANTING DETAIL

TYPICAL GROUND COVER PLANTED AT NURSERY LEVEL - FINISH GRADE MIN. 2" MULCH, INSTALLED PRIOR TO PLANTS - PLANTING MEDIUM - SCARIFIED SUBGRADE

1. PLANTING MEDIUM SHALL BE PLANTING SOIL MIXED 50/50 WITH NATIVE SOIL OR NATIVE SOIL AMENDED WITH 25% MIN. DECOMPOSED ORGANIC MULCH AMENDMENT.

2. ALL GROUNDCOVER SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING OR ON CENTER SPACING AS SPECIFIED ON LANDSCAPING PLAN.

3. LOCATE GROUNDCOVER ONE-HALF OF SPECIFIED SPACING DISTANCE FROM ANY CURB, SIDEWALK OR OTHER HARD SURFACE, UNLESS OTHERWISE SPECIFIED.

GROUNDCOVER PLANTING

- LEADER INTACT, DO NOT PRUNE - PRUNE ALL BROKEN AND DEAD BRANCHES PROVIDE 4" OF MULCH AS SPECIFIED TO COVER WATERING SAUCER OF TREE PIT FORM 4" HIGH TOPSOIL SAUCER AT EDGE OF TREE PIT FOR WATERING. - FINISHED GRADE CUT AND REMOVE BINDING AND BURLAP FROM TRUNK AND UPPER 1/3 OF TREE ROOTBALL. PREPARED TOPSOIL (3:1 RATIO TOPSOIL TO PEAT MOSS). - PREPARED TOPSOIL CUSHION NOTE: WIRE BASKETS ARE TO BE REMOVED PRIOR TO BACKFILLING THE PLANTING PIT

EVERGREEN TREE PLANTING DETAIL

TREE TIES (SEE NOTES)

TENSION GUYING TO ALLOW -

4" SWAY ANY DIRECTION

ROUGH SAWN OR S4S STAKES. SEE NOTES. PLACE STAKES

TREE STAKING DETAIL

OUTSIDE ROOT BALL. REMOVE

STAKES AFTER ONE YEAR.

FINISH GRADE -

12" MIN.

TREE STAKING NOTES:

TREE. FASTEN SECURELY TO STAKE.

1. STAKES TO BE CONSTRUCTION GRADE, ROUGH SAWN OR FINISHED DOUGLAR FIR OR PINE. STAKE SIZE TO BE 1 1/2" X 1 1/2" BY THE FOLLOWING LENGTHS:

2. DRIVE STAKES VERTICALLY AND AT LEAST 12" INTO UNDISTURBED SOIL. DO NOT DRIVE STAKES THROUGH ROOT BALL. LOCATE STAKES TO BEST RESIST PREVAILING

PLASTIC CHAIN TYPE. APPROX. 1" WIDTH BY 1/8" DEPTH. WHERE TWO STAKES

ARE REQUIRED, CROSS THE TIES BETWEEN STAKES AND WRAP TIE ONCE AROUND

2 STRANDS #12 GAUGE GALV. ANNEALED STEEL WIRE TWISTED. PORTION OF WIRE

THAT GOES AROUND TREE TO BE ENCLOSED IN NEW BLACK REINFORCED RUBBER

HOSE. WIRE IS TO BE DOUBLE WRAPPED AROUND STAKE AND TWISTED TO TIGHTEN.

- TREES 36" AND SHORTER - USE ONE 6 FT (APPROX.) STAKE - TREES TALLER THAN 36" - USE TWO 8 FT (APPROX.) STAKES

### LANDSCAPE MAINTENANCE NOTES

- 1. PROPERTY OWNER WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL LANDSCAPING.
- 2. TREES AND SHRUBS: MAINTAIN FOR THE FOLLOWING MAINTENANCE PERIOD BY PRUNING, CULTIVATING, WATERING, WEEDING, FERTILIZING, RESTORING PLANTING SAUCERS, TIGHTENING AND REPAIRING STAKES AND GUY SUPPORTS, AND RESETTING TO PROPER GRADES OR VERTICAL POSITION. AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS. SPRAY AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE, RESTORE OR REPLACE DAMAGED TREE WRAPPINGS

GROUND COVER AND PLANTS: MAINTAIN FOR THE FOLLOWING MAINTENANCE PERIOD BY WATERING, WEEDING, FERTILIZING, AND OTHER OPERATIONS AS REQUIRED TO ESTABLISH HEALTHY, VIABLE PLANTINGS.

THOSE PERFORMING SUCH WORK BE PROFESSIONALS CERTIFIED IN SUCH WORK, (ISA CERTIFIED, CERTIFIED TREE EXPERT CERTIFICATION AND/OR SHOW PROOF OF NOT LESS THAN 5 YEARS EXPERIENCE IN SUCH HORTICULTURAL WORK HAS BEEN OBTAINED).

- 3. MAINTENANCE PERIOD: 24 MONTHS FROM DATE OF SUBSTANTIAL COMPLETION AS DETERMINED BY THE BOROUGH'S LANDSCAPE ARCHITECTAND/OR BOROUGH OFFICIAL
- 4. NORMAL MAINTENAANCE AND CARE OF ALL PLANT MATERIAL, (WATERING, ETC.) SHALL TAKE PLACE PRIOR TO THE DETERMINATION OF SUBSTANTIAL COMPLETION AS WELL IN ORDER TO PLANTED MATERIAL HEALTHY.

#### LANDSCAPE NOTES

- 1. ALL LANDSCAPED AREAS TO RECEIVE A TWELVE INCH (12") LAYER OF COMPACTED TOPSOIL.
- 2. ALL PLANT MATERIAL TO BE BALLED & BURLAPPED AND CONFORM TO U.S.A. STANDARD FOR NURSERY STOCK U.S.A. Z 60.1-1969.
- 3. SHRUBS SHALL BE PLANTED IN PITS WITHIN THE BED ONE FOOT GREATER THAN THE SPREAD OF THE ROOTS AND 18" DEEP BELOW FINISH GRADE OR AS DEEP AS IS NECESSARY TO PROPERLY SET THE PLAN AT FINISH GRADE. THE DEPTH OF THE PLANTING PIT SHALL BE ADJUSTED AS NECESSARY TO PERMIT A MINIMUM OF (3") THREE INCHES OF TOPSOIL UNDER BALL OF ALL PLANTS.
- 4. TOP SOIL USED FOR PLANTING SHALL BE A MIXTURE OF THREE PARTS TOP SOIL TO ONE
- 5. IMMEDIATELY AFTER PLANTING OPERATIONS ARE COMPLETED, ALL TREE & SHRUB PITS SHALL BE MULCHED WITH A (4") FOUR INCH LAYER OF ROOT MULCH. THE LIMIT OF THIS MULCH FOR TREES SHALL BE AREA OF THE PIT & FOR SHRUBS IN BEDS, THE ENTIRE AREA
- 6. CUT AND REMOVE BURLAP FROM TOP 1/3 OF BALL. NYLON ROPE AND OR NYLON BALLING
- 7. IF THERE IS A DISCREPANCY BETWEEN THE PLANT COUNT SHOWN IN THE PLANT LIST AND THE PLANTING GRAPHIC, THE GRAPHIC SHALL TAKE PRECEDENCE.
- 8. IF THE CONTRACTOR FINDS QUESTIONABLE SUBGRADE MATERIAL/SOIL CONDITIONS THAT ARE DELETERIOUS TO PLANT SURVIVAL AND GROWTH OR INHIBIT DRAINAGE HE SHALL NOTIFY THE BOROUGH LANDSCAPE ARCHITECT AND OWNER'S LANDSCAPE ARCHITECT IMMEDIATELY AND PRIOR TO INSTALLATION OF PLANT MATERIALS UPON FINDINGS OF SUCH QUESTIONABLE
- 9. PLANT GROUNDCOVERS IN 8" DEEP TOPSOIL BED CONSISTING OF 3 PARTS TOPSOIL AND 1 PART HUMUS. PLANT BULBS IN NATURALIZED DRIFTS.
- PLANS OR NOT. CONTRACTOR TO FIELD VERIFY AREAS OF SEED AND OF SOD PRIOR TO
- ON THE LANDSCAPING PLAN DEVELOPED BY THE APPLICANT'S LANDSCAPE ARCHITECT.
- 13. UTILITIES/STRUCTURES, CONDUITS ARE TO BE PLACED ALONG THE INSIDE OF CURBING, BOTH EXISTINGAND PROPOSED TO ENSURE THAT THEY DO NOT INTERFERE WITH THE INSTALLATION/PLANTING OF PROPOSED CANOPY TREES, EVERGREEN TREES, SHRUBS AND GROUND COVER. ANY CONDUITS, LINES, STRUCTURES FOUND TO BE IN INTERFERENCE OF PROPOSED PLANTINGS SHALL BE REARRANGED, REMOVED AND REPLACED AT CONTRACTOR'S
- 14. AT ALL AREAS PROPOSED FOR PLANTINGS AND LANDSCAPING THE CONTRACTOR SHALL REMOVE ALL EXISTING DRIVEWAY/ASPHALT PAVEMENT AND STRUCTURE MATERIALS TO FULL DEPTH INCLUDING ALL SUBBASE MATERIAL. SUBGRADE SHALL BE TILLED/RIPPED TO SOFTEN SUBGRADE. ENTIRE AREA SHALL BE BACK FILLED WITH UP TO NOT LESS THAN 12" OF
- DESIGNED BY A PERSON LICENSED IN THE STATE OF NEW JERSEY.

- MATERIAL IS NOT ACCEPTABLE.

- 10. TOPSOIL AND SEED ALL AREAS DISTURBED AS A RESULT OF ANY AND ALL CONSTRUCTION DISTURBANCES, OR STORAGE OF EQUIPMENT, WHETHER SUCH AREAS ARE SHOWN ON THE
- 11. CONTRACTOR SHALL REVIEW THE "PROTECTION AGAINST AND REMEDIATION OF EXCESS SOIL
- 12. CONTRACTOR SHALL REVIEW AND COORDINATE HIS WORK WITH THAT OF THE WORK SHOWN
- 15. FURNISH AN IRRIGATION SYSTEM AT ALL LANDSCAPED AREAS, IRRIGATION SYSTEM TO BE

#### LAWNS: SODDING AND SOIL PREPARATION NOTES

- CONTRACTOR TO FINE GRADE AND PREPARE ALL SITE AREAS TO RECEIVE SOD. MAKE SITE SMOOTH TO FINAL GRADING PLAN ELEVATIONS, FILL IN DEPRESSIONS, LOW SPOTS AND
- DISTURBED AND REPLACE WITH TOPSOIL. SCARIFY SOIL TO DEPTH OF 3± INCHES
- 3. LAWNS SHALL BE SODDED FOLLOWING SCARIFYING, FINAL GRADING, FERTILIZING, AND 10 LBS/1.000 SF.
- 5. FOLLOWING SODDING OPERATIONS, CLEAN UP EXCESS MATERIALS, AND CLEAN ALL BARK MULCHED AND PAVED AREAS. ALL LAWNS SHALL BE GUARANTEED TO HAVE A UNIFORM NO BARE SPOTS COMPRIZING MORE THAN 2% OF ANY LAWN AREA. ANY AREA SO NOTED

- CONTRACTOR TO FINE GRADE AND PREPARE ALL SITE AREAS TO RECEIVE SEED. MAKE SITE SMOOTH TO FINAL GRADING PLAN ELEVATIONS, FILL IN DEPRESSIONS, LOW SPOTS
- 2. ALL LAWN AREAS WITHIN LAWN LIMIT LINES TO RECEIVE 6" OF TOPSOIL PRIOR TO AREA. CONTRACTOR SHALL FULLY EXCAVATE ANY PLANTING AREA THAT IS DISTURBED
- 3. HYDROSEDING IS ACCEPTABLE, APPLY WITH APPROVED EQUIPMENT DESIGNED FOR PROFESSIONAL HYDROSEEDING APPLICATIONS AT RECOMMENDED RATES.
- 4. PROVIDE FRESH, CLEAN NEW-CROP "PREMIUM" GRADE SEED AND SEED MIXES AS FOLLOWS: (SUBMIT SEASONAL MIX ALTERNATIVE AS APPROPRIATE) 40% KENTUCKY BLUEGRASS 30% PERENNIAL RYE GRASS 30% TURF TYPE TALL FESCUE
- 5. APPLY SEED AT RATE OF MINIMUM 175 POUNDS PER ACRES (4 LSB/1,000 SF).
- 6. SCARIFY SOIL TO DEPTH OF 3 INCHES PRIOR TO APPLICATION.
- 7. LAWNS SHALL BE SEEDED FOLLOWING SCARIFYING, FINAL GRADING, FERTILIZING, AND RAKING, LAWNS SHALL BE FERTILIZED WITH 12-12-12 ANALYSIS FERTILIZER AT A RATE
- (70 LBS/1,000 SF). CRIMP OR TACK STRAW MULCH TO REMAIN IN PLACE UNTIL COMPLETE
- MINIMUM 4 INCH HEIGHT. CONTINUE TO WATER FOR A MINIMUM 30 DAYS OR UNTIL ACCEPTED BY OWNER.

9. WATER AND MAINTAIN GRASS UNTILL STAND IS ESTABLISHED AND READ FOR MOWING AT

- MULCHED AND PAVED AREAS.
- 12. ALL LAWNS SHALL BE GUARANTEED TO HAVE A FULL UNIFORM STAND OF ACCEPTABLE
- 13. ALL DISTURBED LAWN AREAS SHALL BE SEEDED AS NOTED AND AS APPROVED BY

SODDING OPERATIONS. ONCE TOPSOIL HAS BEEN PLACED, CONSTRUCTION ACTIVITY OF ANY KIND (EXCLUDING LANDSCAPING) SHALL NOT BE PERMITTED ON OR ACROSS ANY

ALL LAWN AREAS WITHIN LAWN LIMIT LINES TO RECEIVE 6" OF TOPSOIL PRIOR TO PLANTING AREA. CONTRACTOR SHALL FULLY EXCAVATE ANY PLANTING AREA THAT IS PRIOR TO APPLICATION.

- RAKING, LAWN SHALL BE FERTILIZED WITH 12-12-12 ANALYSIS FERTILIZER AT A RATE OF
- 4. WATER AND MAINTAIN GRASS UNTIL STAND IS ESTABLISHED AND READY FOR MOWING AT MINIMUM 4 INCH HEIGHT. CONTINUE TO WATER FOR A MINIMUM 30 DAYS OR UNTIL ACCEPTED BY OWNER.
- STAND OF ACCEPTABLE GRASS AT THE END OF THE ONE YEAR GUARANTEE PERIOD WITH
- 6. ALL DISTURBED LAWN AREAS SHALL BE SODDED AS NOTED AND AS APPROVED BY OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.

WILL BE SODDED UNTIL AN ACCEPTABLKE STAND OF GRASS IS ESTABLISHED.

#### LAWNS: SEEDING AND SOIL PREPARATION NOTES

- AND GRADE SMOOTH.
- SEEDING OPERATIONS. ONCE TOPSOIL HAS BEEN PLACED, CONSTRUCTION ACTIVITY OF ANY KIND (EXCLUDING LANDSCAPING) SHALL NOT BE PERMITTED ON OR ACROSS ANY PLANTING AND REPLACE WITH TOPSOIL.
- OF 10 LBS/1,000 SF. APPLY SEED MIX AT SPECIFIED RATE, AND LIGHTLY RAKE INTO TOP
- 8. MULCH SEEDED AREAS WITH STRAW MULCH AT RATE OF MINIMUM 1 1/2 TON PER ACRE GERMINATION OF SEED AND ESTABLISHED GROWTH.
- 10. FOLLOWING SEEDING OPERATIONS, CLEAN UP EXCESS MATERIALS, AND CLEAN ALL BARK
- 11. FOLLOWING GERMINATION, APPLY HERBICIDE TO ALL GRASS GROWTH IN PLANT MULCH
- GRASS AT THE END OF THE ONE YEAR GUARANTEE PERIOD WITH NO BARE SPOTS COMPRISING MORE THATN 2% OF ANY LAWN AREA. ANY AREA SO NOTED WILL BE RESEEDED OR SODDED UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED.
- OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.

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CALISTO J. BERTIN, P.E. PROFESSIONAL ENGINEER

T LIC. NO. 12950 NJ LIC. NO. 2884 MA LIC. NO. 40595 NY LIC. NO. 60022 NH LIC. NO. 9368 RI LIC. NO. 6694



RESIDENTIAL DEVELOPMENT

**LANDSCAPE** 

**DETAILS** 

BLOCK 4201.01, LOT 33.03 **GROVERS MILL ROAD & MALL ACCESS ROAD** TOWNSHIP OF LAWRENCE MERCER COUNTY, NEW JERSEY

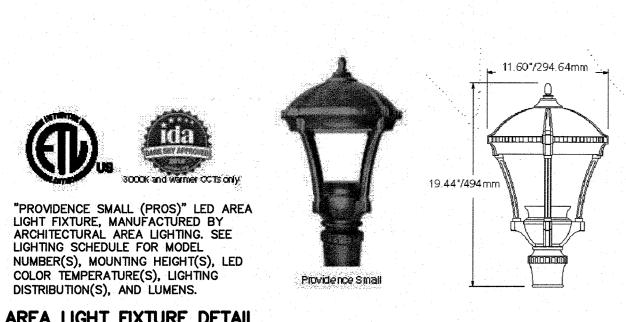
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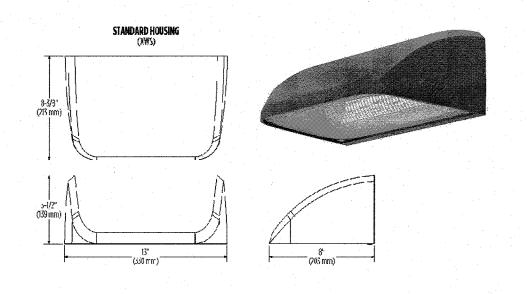
2525 US-130 SUITE B4 CRANBURY, NJ 08512

24GA28068900 / 21MH00002800 · V.L. C.J.B AS SHOWN 21-210 10-12-23

RAWING NO

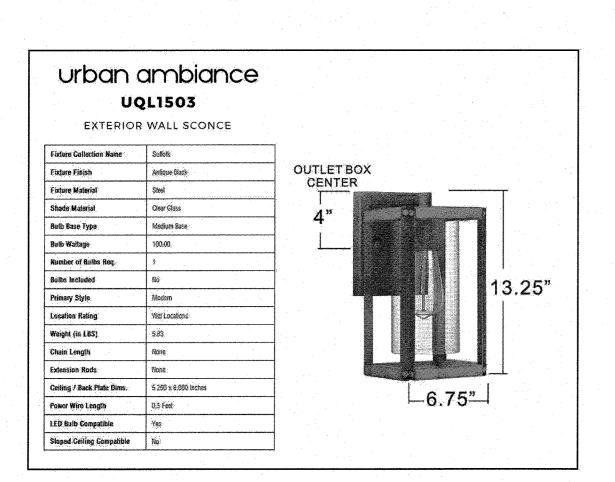
C3.4





P65 "PROVIDENCE MEDIUM (PROV2)" LED AREA LIGHT FIXTURE, MANUFACTURED BY ARCHITECTURAL AREA LIGHTING. SEE LIGHTING SCHEDULE FOR MODEL NUMBER(S), MOUNTING HEIGHT(S), LED COLOR TEMPERATURE(S), LIGHTING DISTRIBUTION(S) AND LUMENS.

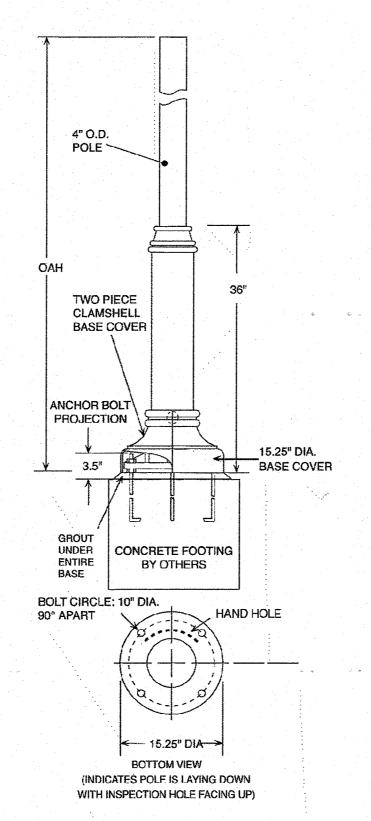
WALL LIGHT FIXTURE DETAIL (WALL LIGHT "W1") NOT TO SCALE



EXTERIOR WALL SCONCE, MANUFACTURED BY URBAN AMBIANCE. FOR USE WITH A 9W LED 3000K LIGHT BULB. SEE LIGHTING SCHEDULE FOR MODEL NUMBER(S), MOUNTING HEIGHT(S), LED COLOR TEMPERATURE(S), LIGHTING DISTRIBUTION(S) AND LUMENS.

WALL SCONCE FIXTURE DETAIL (WALL SCONCE "W2")

NOT TO SCALE



DECORATIVE AREA LIGHT POLE (DB6), MANUFACTURED BY ARCHITECTURAL AREA LIGHTING.

FOR AREA LIGHTS "B1" & "B2", OAH = 12 FT.

MODEL NO: DB6-4R12-125-12

FOR ALL OTHER AREA LIGHTS, OAH - 16 FT.

MODEL NO: DB6-4R16-125-16 AREA LIGHT POLE DETAIL

- CONDUIT FOOTING BASE PLATE GROUT AS REQUIRED CROWN TOP OF FOOTING TO SHED WATER CONCRETE CURB
(IF APPLICABLE) 3/4"ø x 30" LONG GALVANIZED
ANCHOR BOLTS OR AS PER MANUFACTURER'S RECOMMENDATIONS - 8 - #5 VERTICAL BARS 24"ø CONC. FOOTING 4,000 PSI AT 28 DAYS 4 - #3 TIES

**6** LU CALISTO J. BERTIN, P.E. PROFESSIONAL ENGINEER CT LIC. NO. 12950 NJ LIC. NO. 2884 MA LIC. NO. 40595 NY LIC. NO. 60022 NH LIC. NO. 9368 RI LIC. NO. 6694 ERIC M. HOUGH, P.E. PROFESSIONAL ENGINEER

LIGHTING DETAILS

RESIDENTIAL DEVELOPMENT

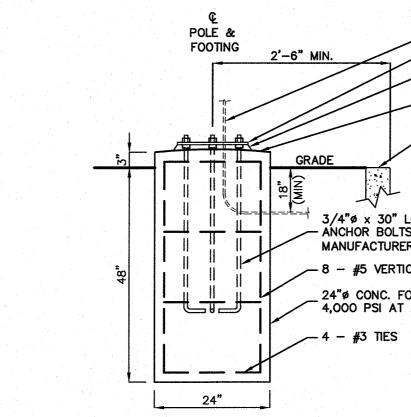
BLOCK 4201.01, LOT 33.03 **GROVERS MILL ROAD & MALL ACCESS ROAD** TOWNSHIP OF LAWRENCE MERCER COUNTY, NEW JERSEY

TRICONE 2525 US-130 SUITE B4 CRANBURY, NJ 08512

CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800 J.A.S. C.J.B AS SHOWN 21-210 10-12-23

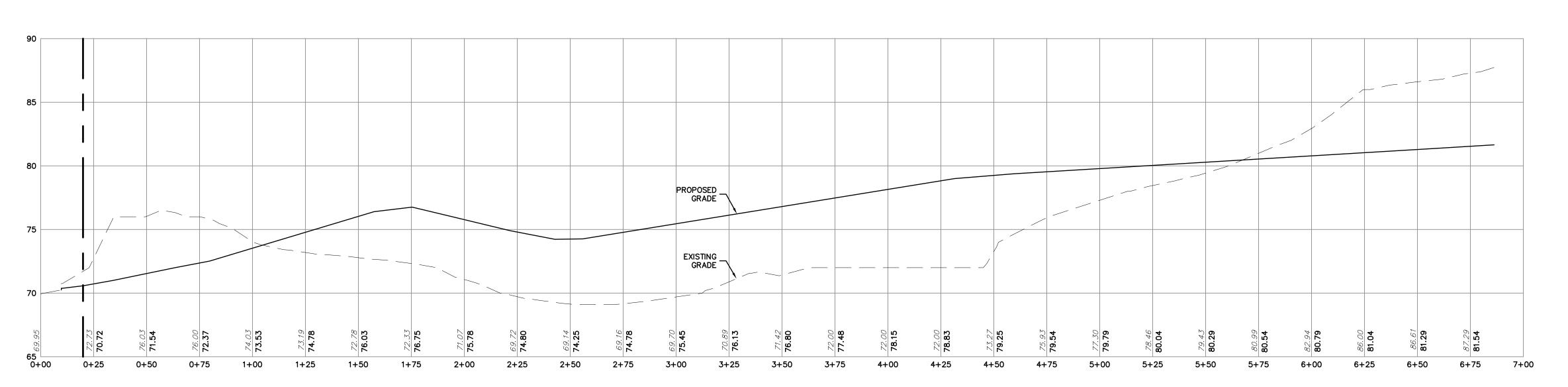
**C3.5** 





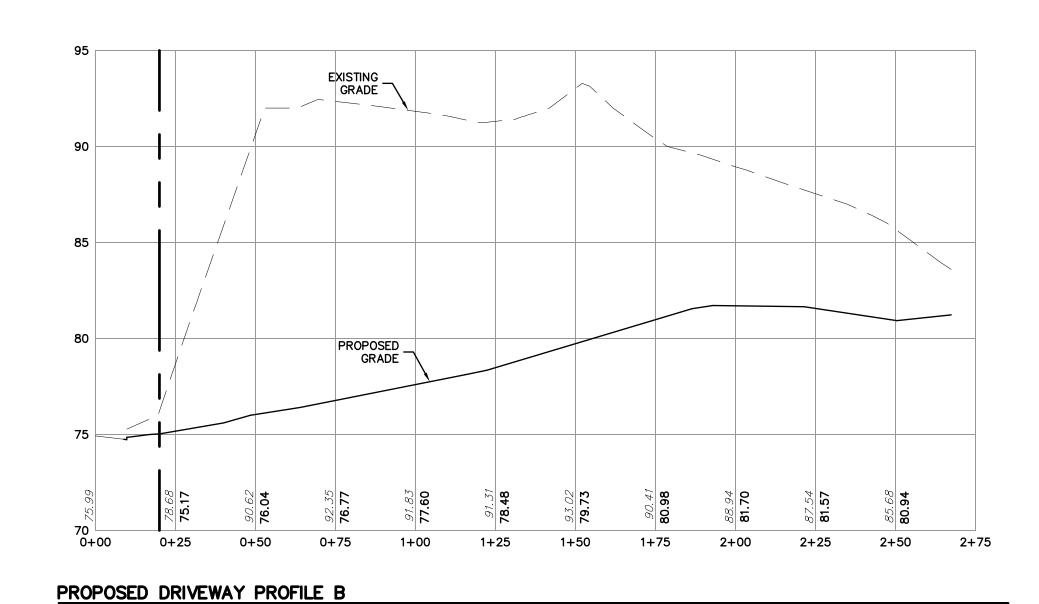
AREA LIGHT FOOTING DETAIL

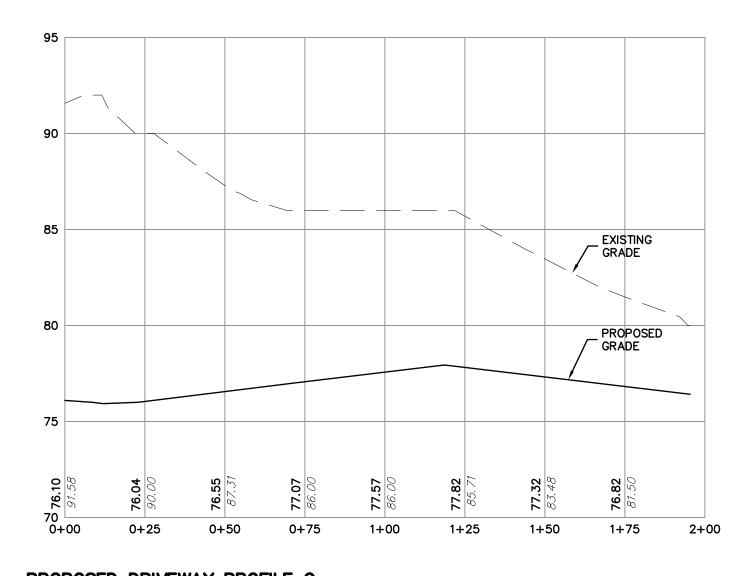
NOT TO SCALE



SCALE: V: 1"=5' H: 1"=30'

PROPOSED DRIVEWAY PROFILE A





PROPOSED DRIVEWAY PROFILE C SCALE: V: 1"=5' H: 1"=30'

> **GRAPHIC SCALE** (IN FEET) 1 inch = 30 ft.

CALISTO J. BERTIN, P.E. PROFESSIONAL ENGINEER

CT LIC. NO. 12950 NJ LIC. NO. 28845 MA LIC. NO. 40595 NY LIC. NO. 60022 NH LIC. NO. 9368 RI LIC. NO. 6694

ERIC M. HOUGH, P.E. PROFESSIONAL ENGINEER NJ LIC. NO. 51893

ROAD PROFILES

RESIDENTIAL

DEVELOPMENT BLOCK 4201.01, LOT 33.03 GROVERS MILL ROAD & MALL ACCESS ROAD TOWNSHIP OF LAWRENCE MERCER COUNTY, NEW JERSEY

TRICONE 2525 US-130 SUITE B4 CRANBURY, NJ 08512

CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800 CKED BY C.J.B ROJECT NO. **21-210** AS SHOWN 3-19-24

C4.1