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'

100 RENAISSANCE BLVD

LAWRENCEVILLE, NJ 08648

AUTO CAMPUS REALTY LLC 100 RENAISSANCE BLVD

LAWRENCEVILLE, NJ 08648

HOFFMAN ESTATES, IL 60179

3333 BEVERLY ROAD

TF LWRCVL NJ/DEPT 36134,BC-151A

TOWNSHIP OF LAWRENCE (Per Construction Official dated 8-3-2023) PROPERTY LOCATION PROPERTY OWNER TOWN COURT OWNER TIC LLC 5850 W 3RD ST #109 5850 W 3RD ST #109 LOS ANGELES, CA 90036 DEPT OF TRANSPORTATION 1035 PARKWAY AVE 1035 PARKWAY AVE TRENTON, NJ 08625 DEPT OF ENVIRONMENTAL PROTECTION JOHN FITCH PLAZA JOHN FITCH PLAZA TRENTON, NJ 08625 SPRINT SPECTRUM PROP TAX DEPT PO BX 8430 (PL03XC109) PO BX 8430 (PL03XC109) KANSAS CITY, MO 64114.8430 VERIZON WIRELESS C/O DUFF & PHELPS PO BOX 2549 PO BOX 2549 ADDISON, TX 75001 225 WEST WASHINGTON ST

LAWRENCEVILLE, NJ 08648 N.J. AMERICAN WATER 1025 LAUREL OAK ROAD VOORHEES NJ 08043

100 RENAISSANCE BLVD

100 RENAISSANCE BLVD

3333 BEVERLY ROAD

TRENTON WATER WORKS P.O. BOX 528 TRENTON NJ 08604

ATTN: DONNA SHORT

AQUA WATER COMPANY 2875 ERIAL ROAD ERIAL NJ 08081 ATTN: JAMES BARBATO

RCN CORPORATION 105 CARNEGIE CENTER

MERCER COUNTY PLANNING BOARD 640 SOUTH BROAD STREET P.O. BOX 8068 TRENTON NJ 08650-8068

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

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

MUNICIPALITIES & UTILITIES

EWING-LAWRENCE SEWERAGE AUTHORITY 600 WHITEHEAD ROAD 80 PARK PLAZA, 4B

PHILADELPHIA PA 19103-1699

SINKING SPRING PA 19608

PUBLIC SERVICE ELECTRIC & GAS COMPANY

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

CORPORATE SECRETARY 540 BROAD STREET NEWARK NJ 07101

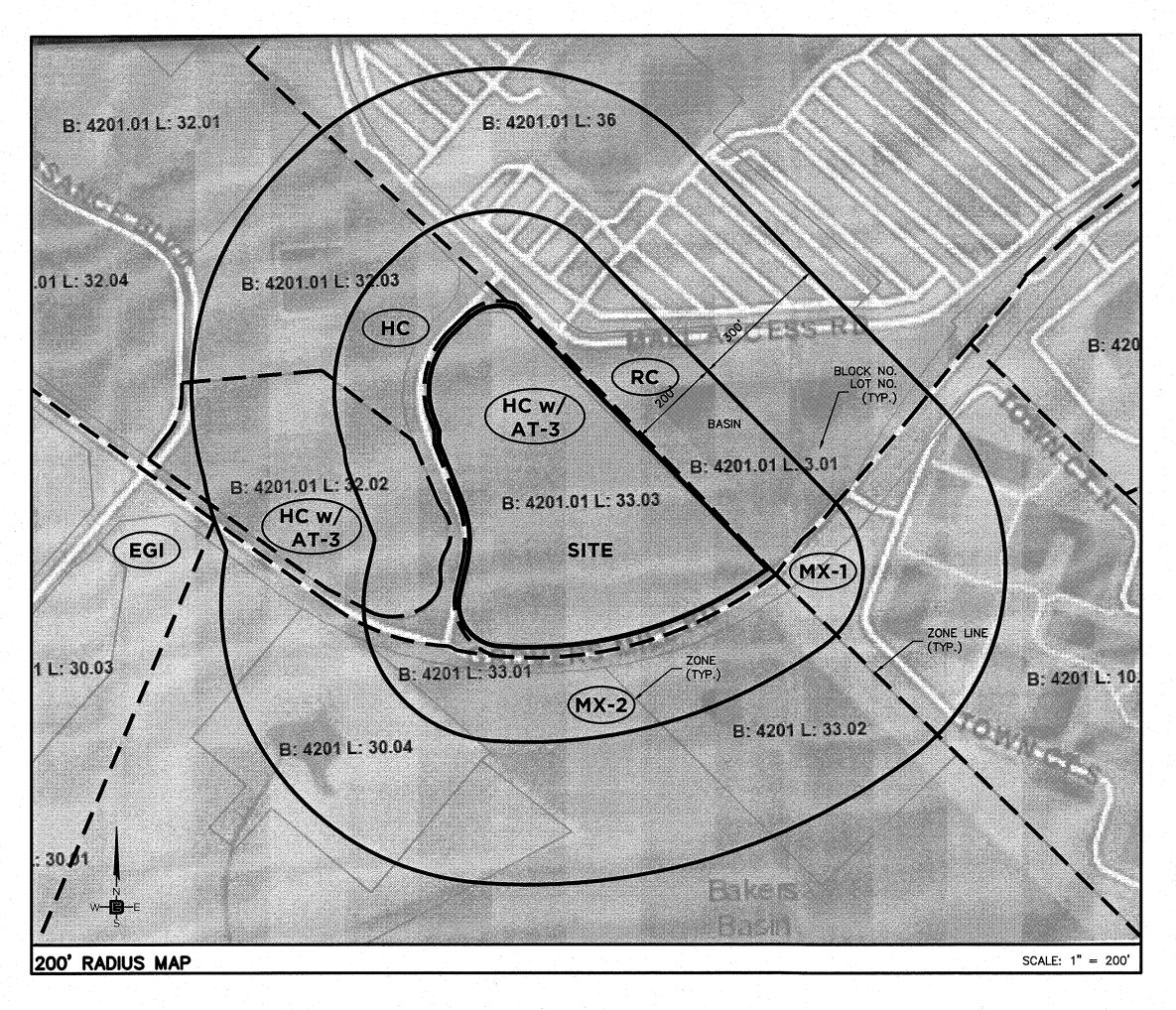
GENERAL MANAGER COMCAST CABLEVISION 940 PROSPECT STREET TRENTON NJ 08618

CORPORATE SECRETARY 1 AT&T WAY BEDMINSTER NJ 07921

CORPORATE SECRETARY JERSEY CENTRAL POWER AND LIGHT 300 MADISON AVENUE MORRISTOWN NJ 07962

CORPORATE SECRETARY TRANSCONTINENTAL GAS PIPE LINE CORPORATION 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	3-19-24	1
C2.1	SITE PLAN	3-19-24	1
02.2	SOIL EROSION & SEDIMENT CONTROL PLAN (OMIT)	3-19-24	2
C2.3	GRADING PLAN	3-19-24	2
C2.4	UTILITY PLAN	3-19-24	1
C2.5	LIGHTING & LANDSCAPING PLAN	3-19-24	1
C2.6	LIGHTING INTENSITIES PLAN	3-19-24	1
C2.7	PARKING PLAN	3-19-24	1
C2.8	GRADING & LANDSCAPE PLAN	3-19-24	0
C2.9	WETLANDS PERMITTING PLAN	3-19-24	1
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	3-19-24	0
SV-1	LOCATION & TOPOGRAPHICAL SURVEY	8-9-21	2

DRAWING LIST

UNIT MIX 6 3-BR TOWNHOUSE 25 4-BR TOWNHOUSE 3 3-BR APARTMENT 36 2-BR APARTMENT

15 1-BR APARTMENT

REQUIRED APPROVALS

5. NJDEP BUFFER AVERAGING

1. LAWRENCE TOWNSHIP PLANNING BOARD 2. MERCER COUNTY PLANNING BOARD 3. MERCER COUNTY SOIL CONSERVATION 4. NJDEP TREATMENT WORKS

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: FXISTING: UNDEVELOPED 4. USE: PROPOSED: TOWNHOUSE/APARTMENT (PERMITTED) 85 UNITS PROPOSED 5. BULK REQUIREMENTS: (§ 409, ORD, 2283-17) **PROPOSED** MIN. GROSS TRACT AREA (AC) 3.73(V) MIN. BUILDABLE AREA (AC) 780 375 LOT WIDTH (FT) 12.39 MAX. UNITS PER ACRE 45.8 MIN. OPEN SPACE(%) MIN. FRONTAGE (FT 1,200 25(V) MIN. BUILDING SETBACK(FT) MAX. UNITS PER TOWNHOUSE BUILDING 24/30(V) MAX. UNITS PER APPARTMENT BUILDING MAX. UNITS PER MIXED BUILDING MIN. DISTANCE BETWEEN BUILDINGS* FRONT/BACK(FT) 30.5 BUILDING TO COMMON PARKING(FT MAX. BUILDING HEIGHT(STY/FT) MAX. BUILDING LENGTH(FT) MIN. PRIVATE REAR YARD PER GROUND FLOOR UNIT(SF)** MIN. PRIVATE BALCONY PER ABOVE GROUND UNIT(SF)** MIN. APARTMENT SIZE(SF) MIN. STORAGE AREA PER UNIT TOWNHOUSE(SF) APARTMENT(SF)** MIN. ACCESSORY STRUCTURE SETBACK(FT MAX. UNIT TYPE IN MIXED DEVELOPMENT(% MIN. AFFORDABLE HOUSING UNITS(TOTAL /% N/A/20 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" = 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 $(21 - 2 BEDROOM \times 2.0) = 42.0 SPACES$ 20 EXTERIOR $(3 - 3 BEDROOM \times 2.1) = 6.3 SPACES$ TOTAL REQUIRED SPACES BUILDING "F" = 59.1 + 13 POOL PARKING 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 SPACES 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):

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

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

TBD - TO BE DETERMINED - INDICATES AN EXISTING NON-CONFORMITY (V) - INDICATES A VARIANCE IS REQUIRED NC - NO CHANGE

GARBAGE AND TRASH COLLECTION POINT.

* THE PLANNING OR ZONING BOARD, AFTER DUE CONSIDERATION OF PLANS, TESTIMONY, 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

SOLID WASTE MANAGEMENT

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

N/A - NOT APPLICABLE

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.

APPROVED BY THE LAWRENCE TOWNSHIP PLANNING BOARD OF ADJUSTMENT AT A MEETING HELD ON			
		TF	
		25	
CHAIRPERSON	DATE	CR	
		<u> </u>	
SECRETARY	DATE	DRA	
		SCA	
ADMINISTRATIVE OFFICER	DATE	DAT	
ADMINISTRATIVE OF FOLK	DAIL	DRA	
	2 -		
ENGINEER	DATE		
		ا	

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. 669

ERIC M. HOUGH, P.E. PROFESSIONAL ENGINEER

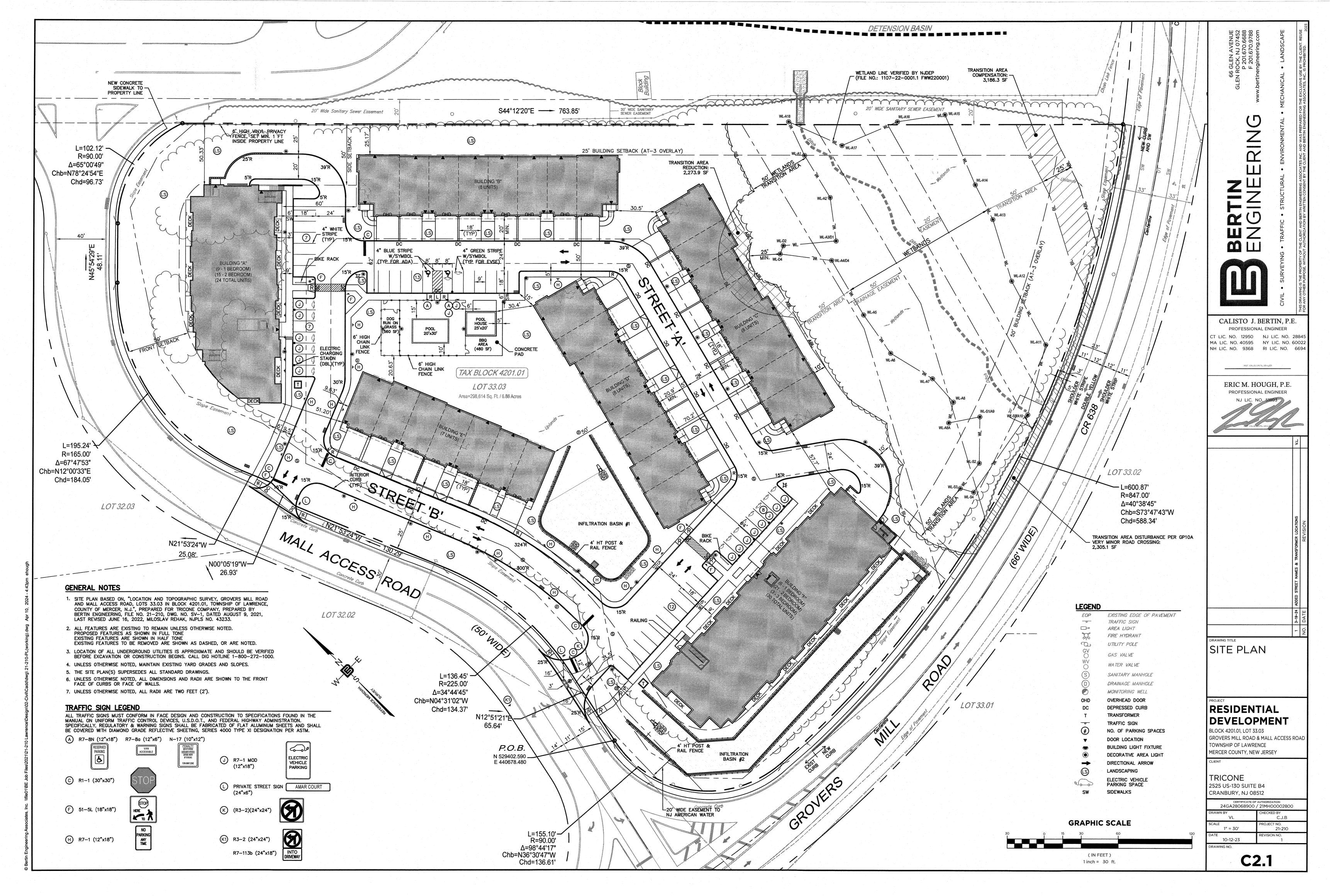
COVER SHEET

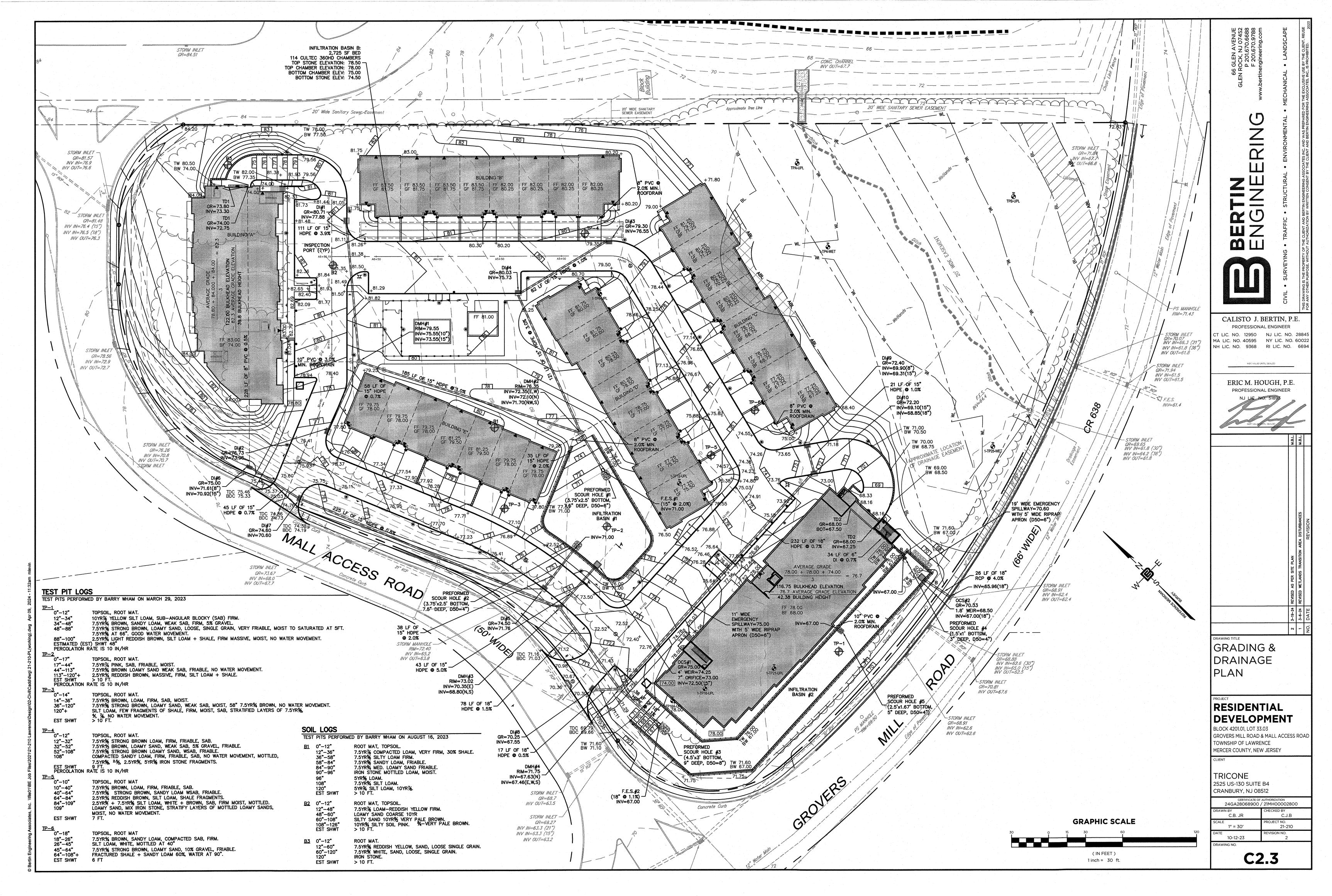
RESIDENTIAL

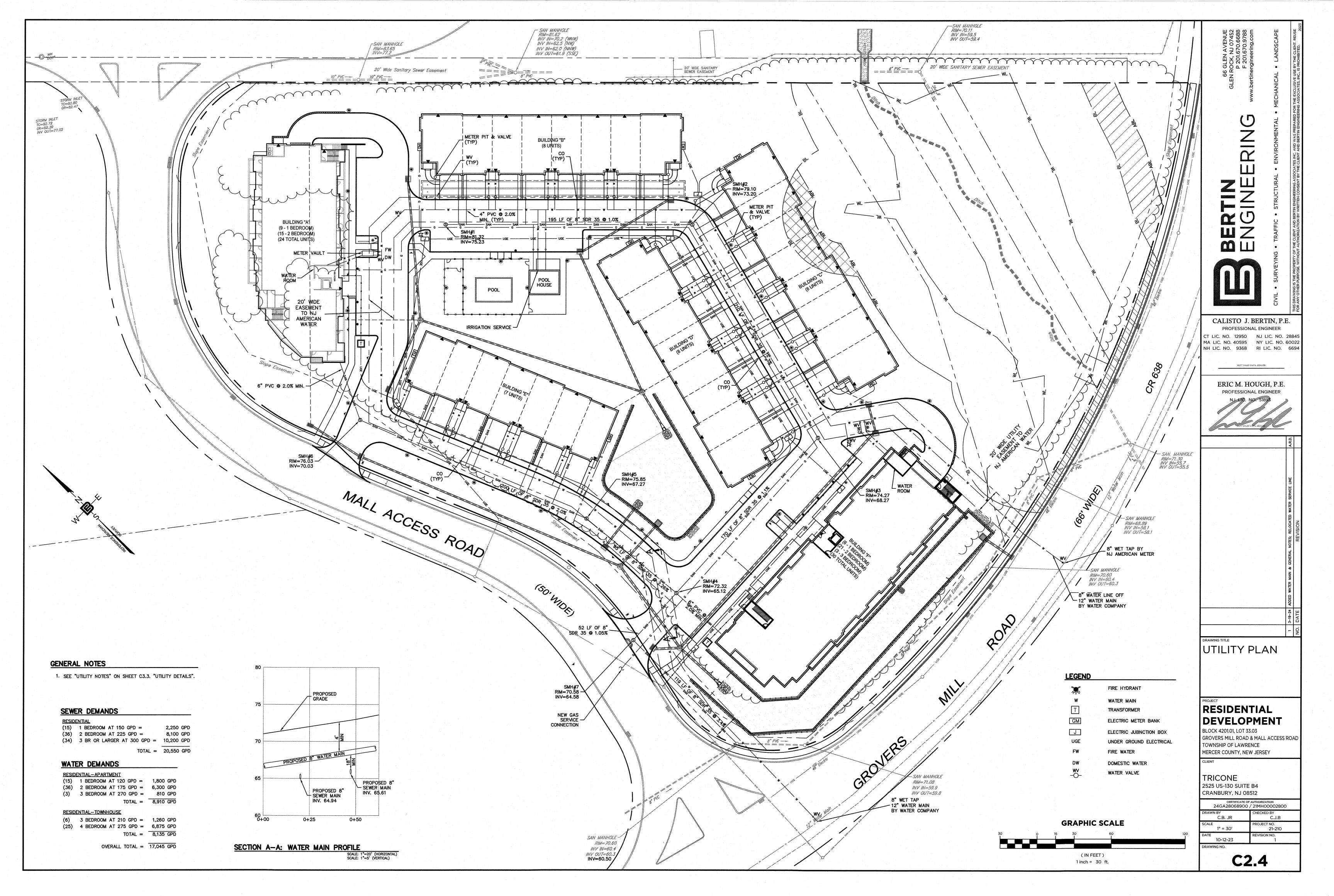
DEVELOPMENT BLOCK 4201.01, LOT 33.03 GROVERS MILL ROAD & MALL ACCESS ROAD TOWNSHIP OF LAWRENCE ERCER COUNTY, NEW JERSEY

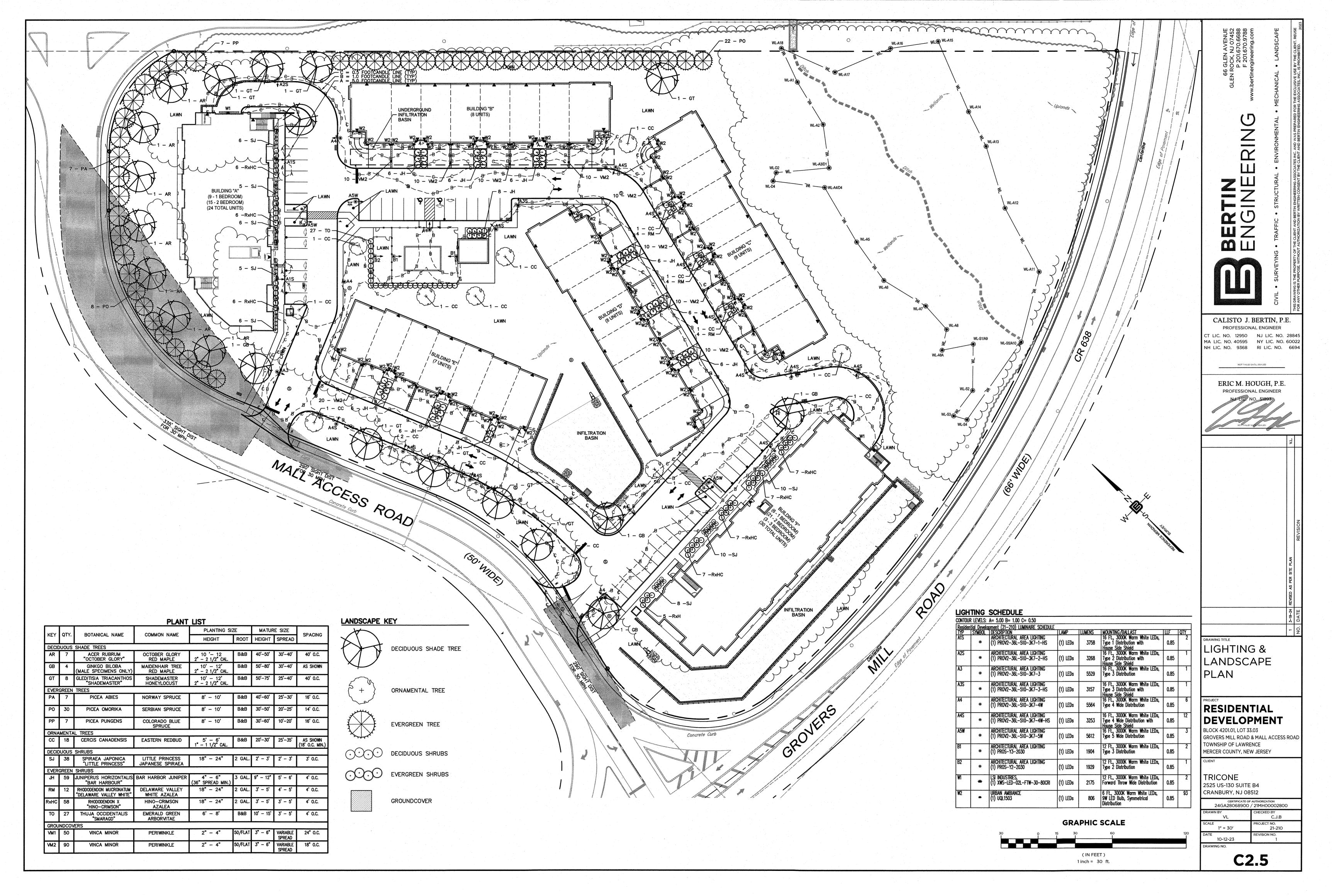
RICONE 525 US-130 SUITE B4 RANBURY, NJ 08512

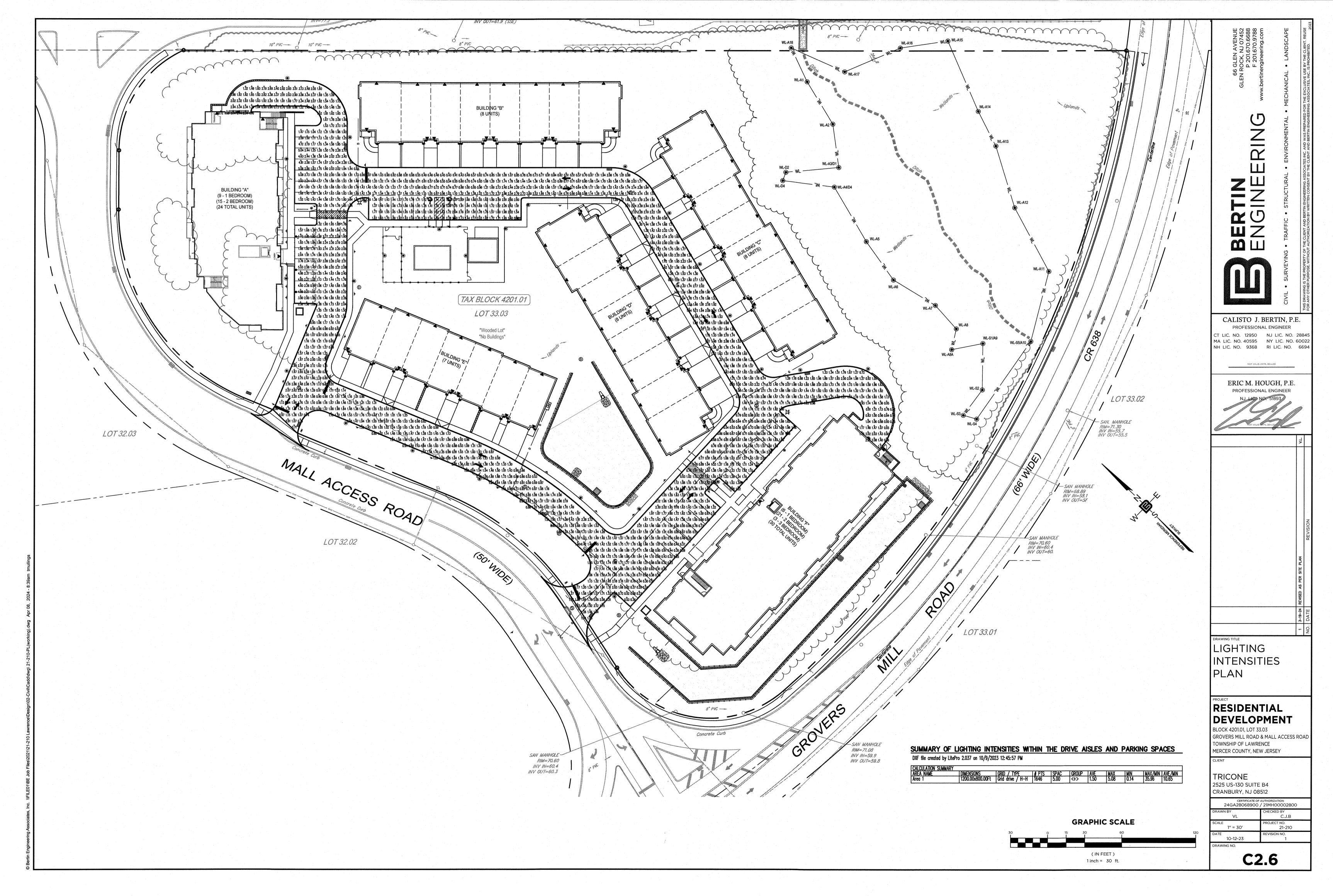
24GA28068900 / 21MH00002800 C.J.B AS SHOWN 21-210 10-12-23

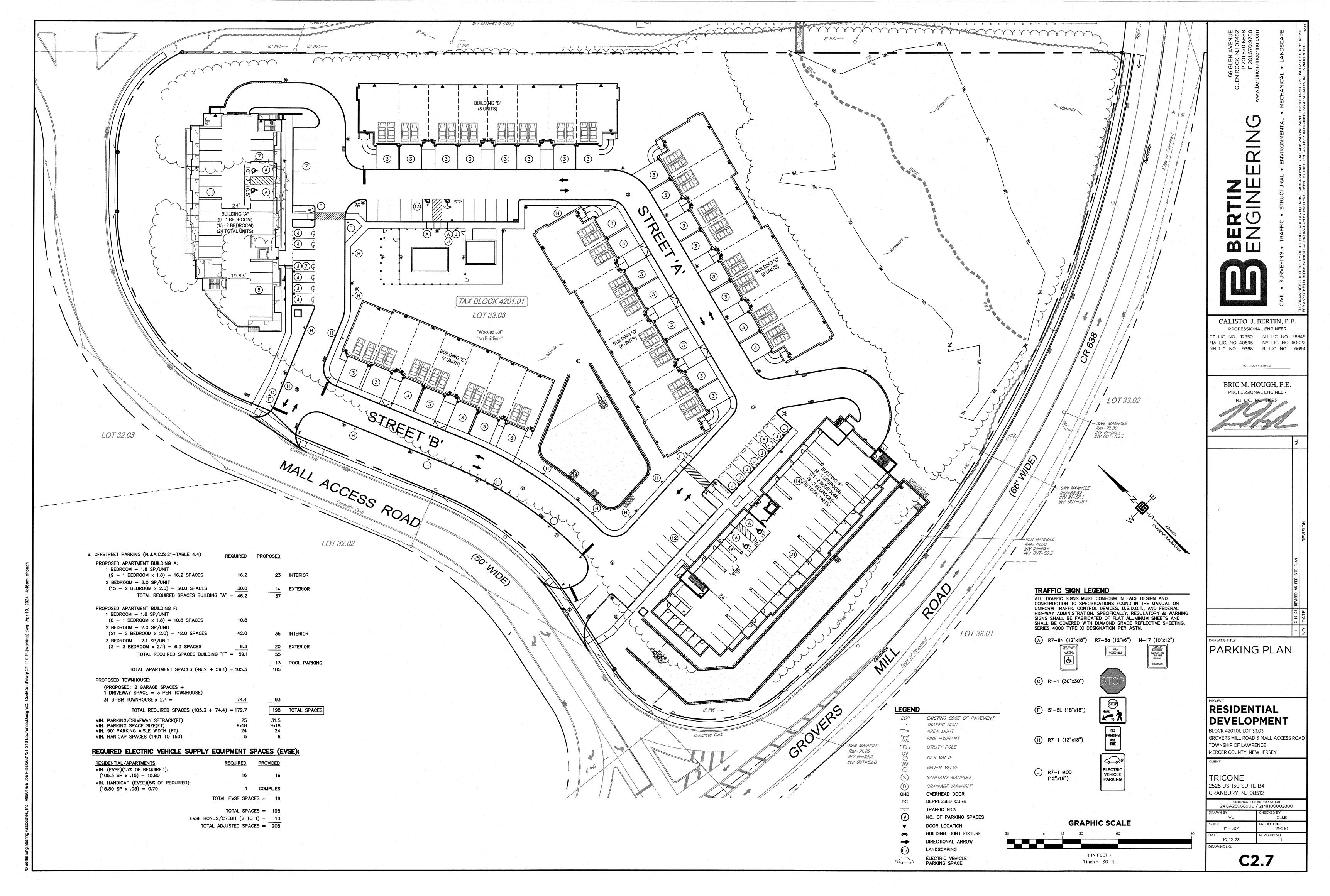


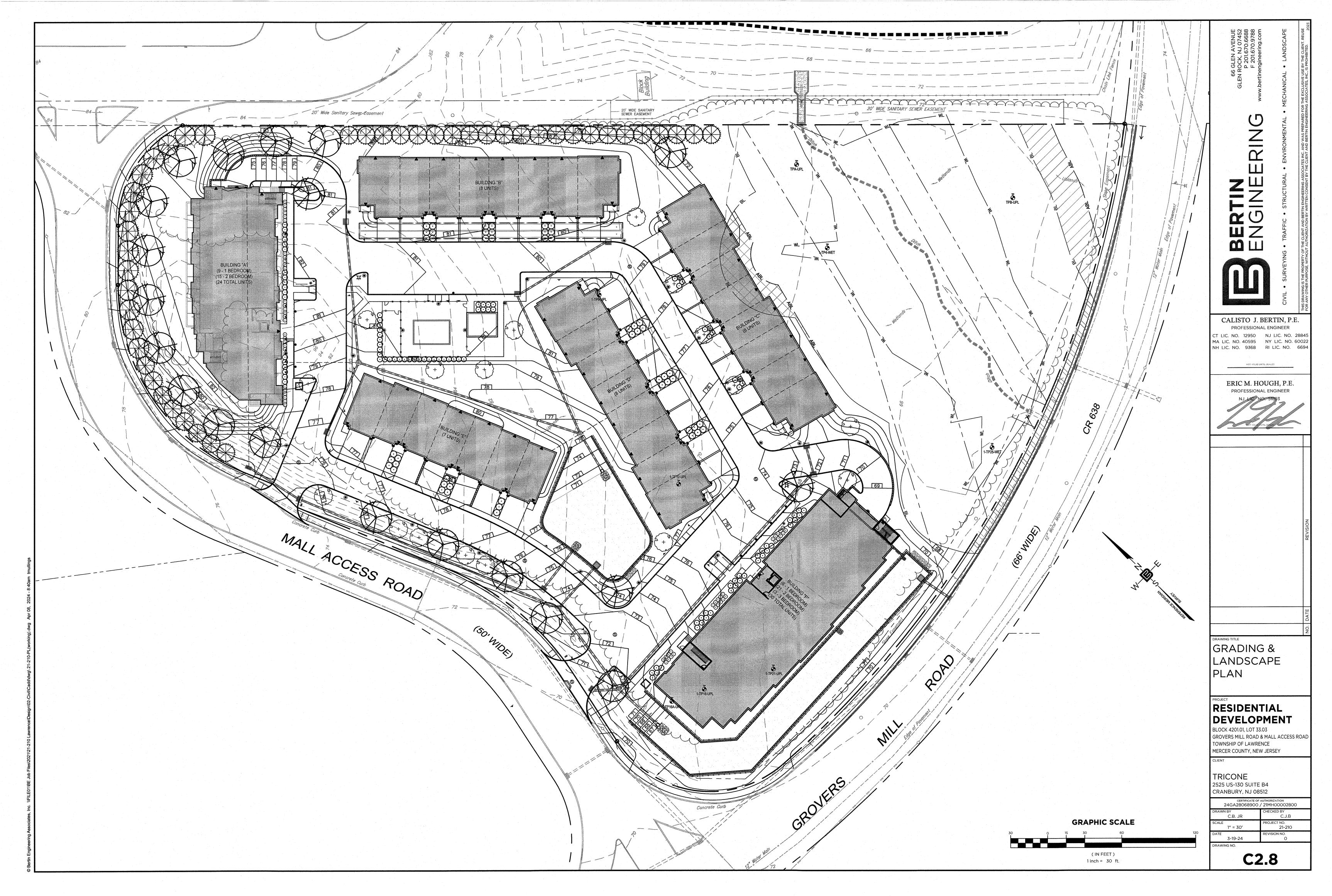


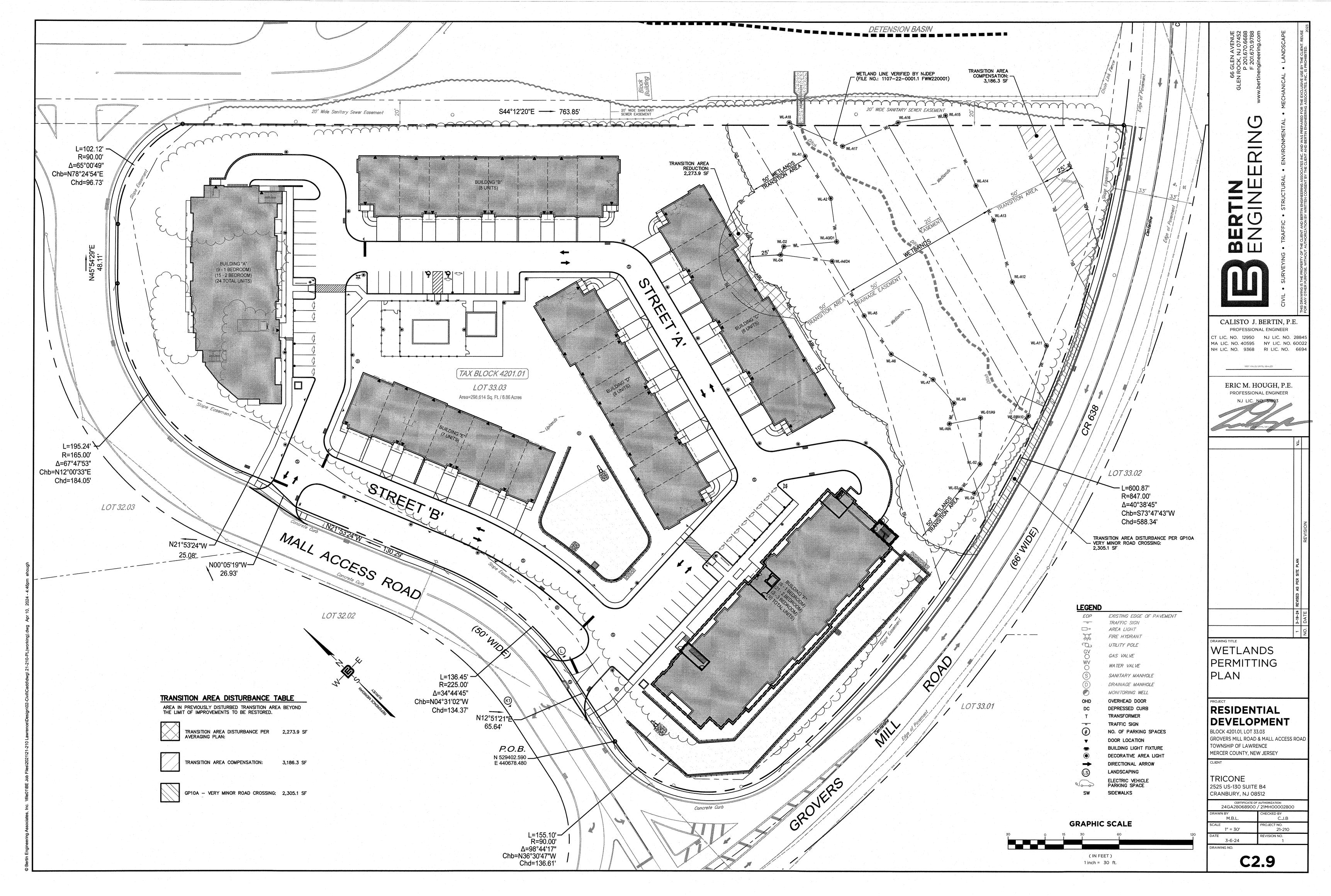


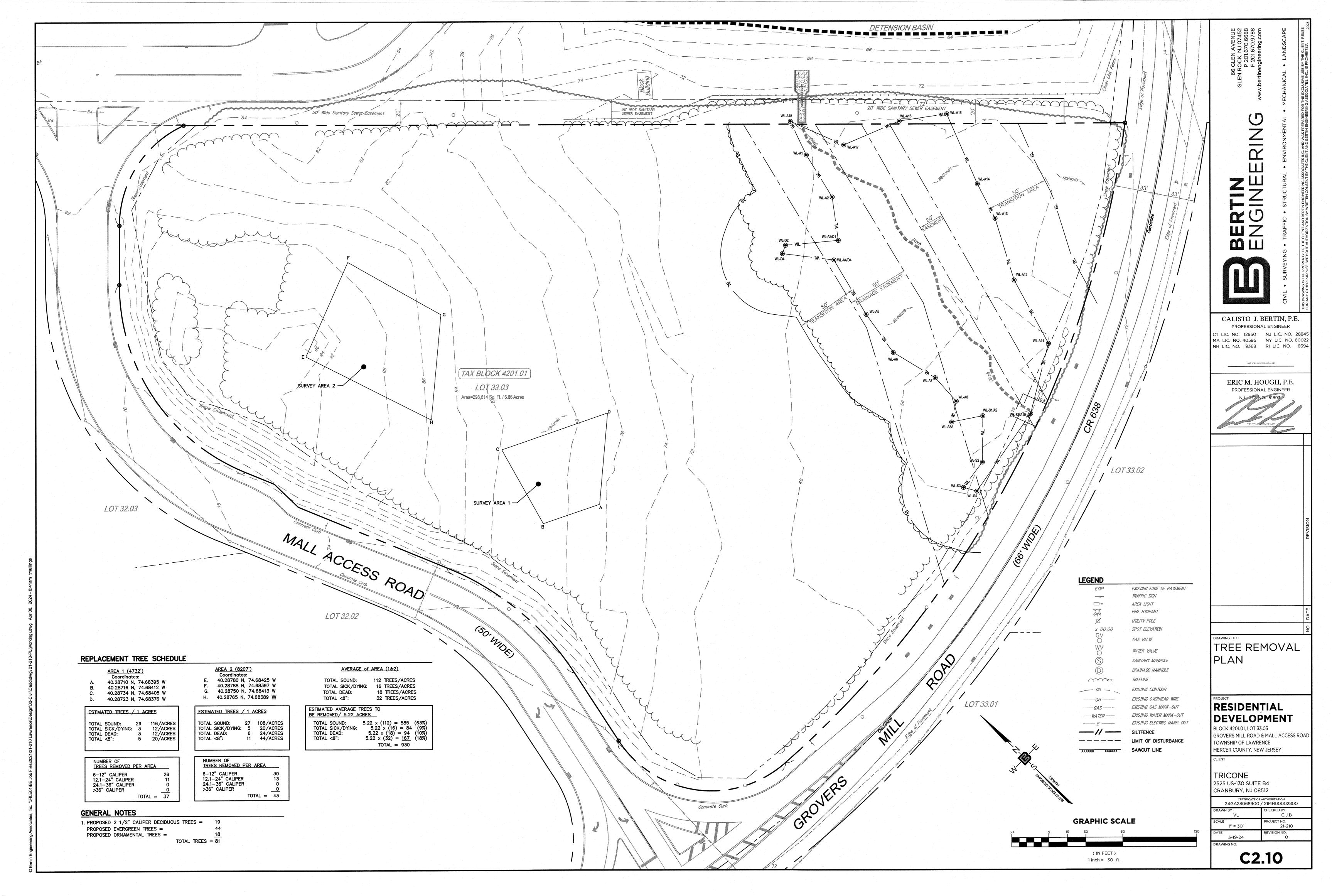


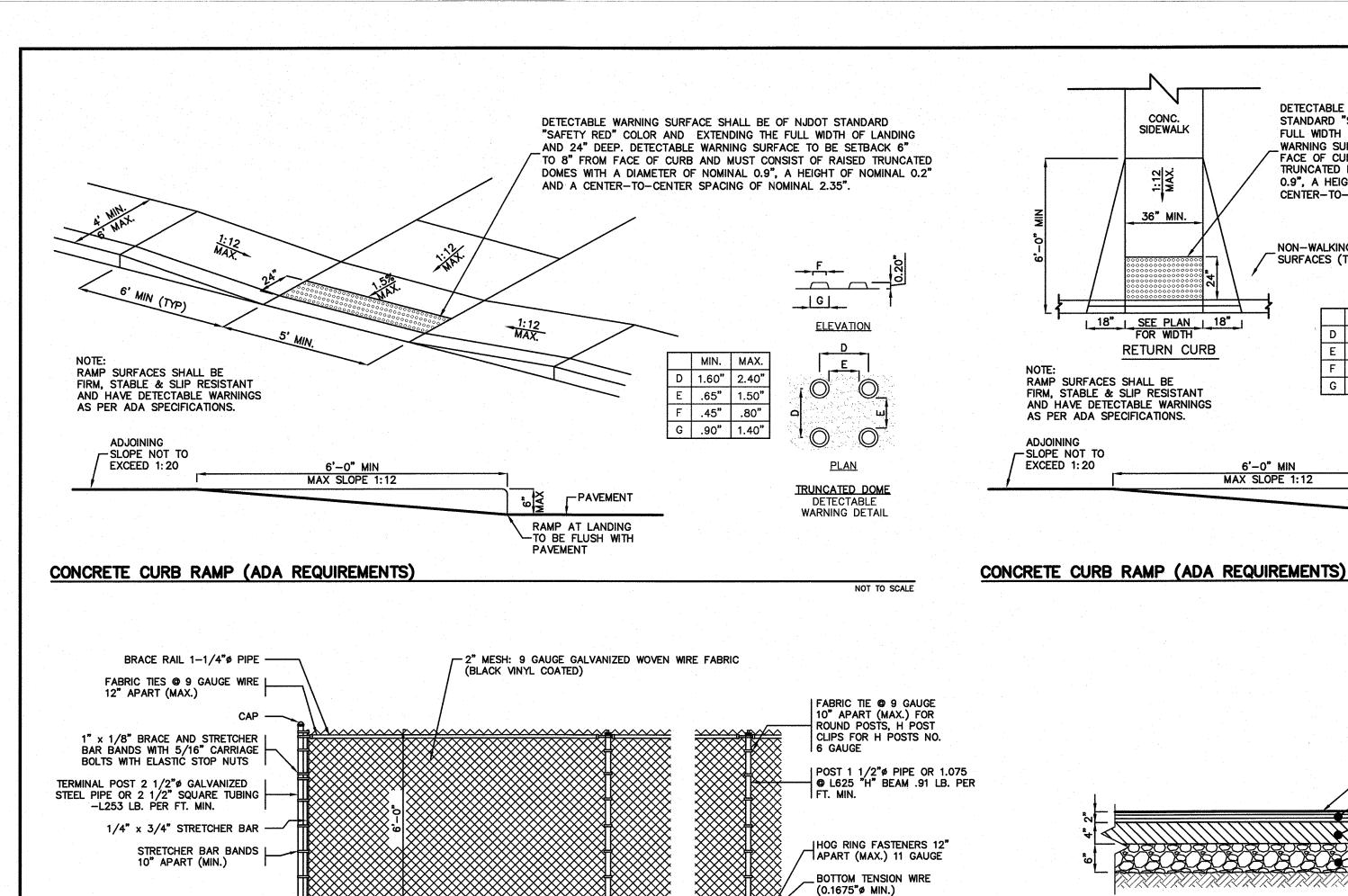


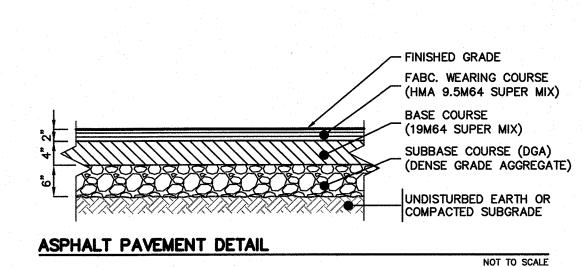












DETECTABLE WARNING SURFACE SHALL BE OF NJDOT

STANDARD "SAFETY RED" COLOR ANDEXTENDING THE

WARNING SURFACE TO BE SETBACK 6" TO 8" FROM

F

G

ELEVATION

<u>PLAN</u>

TRUNCATED DOME

DETECTABLE

RAMP AT __GUTTER TO BE

FLUSH WITH **PAVEMENT**

WARNING DETAIL

PAVEMENT

NOT TO SCALE

FULL WIDTH OF RAMP AND 24" DEEP. DETECTABLE

TRUNCATED DOMES WITH A DIAMETER OF NOMINAL

FACE OF CURB AND MUST CONSIST OF RAISED

CENTER-TO-CENTER SPACING OF NOMINAL 2.35".

0.9", A HEIGHT OF NOMINAL 0.2" AND A

MIN. MAX.

D 1.60" 2.40"

E .65" 1.50"

.45" .80"

G .90" 1.40"

NON-WALKING

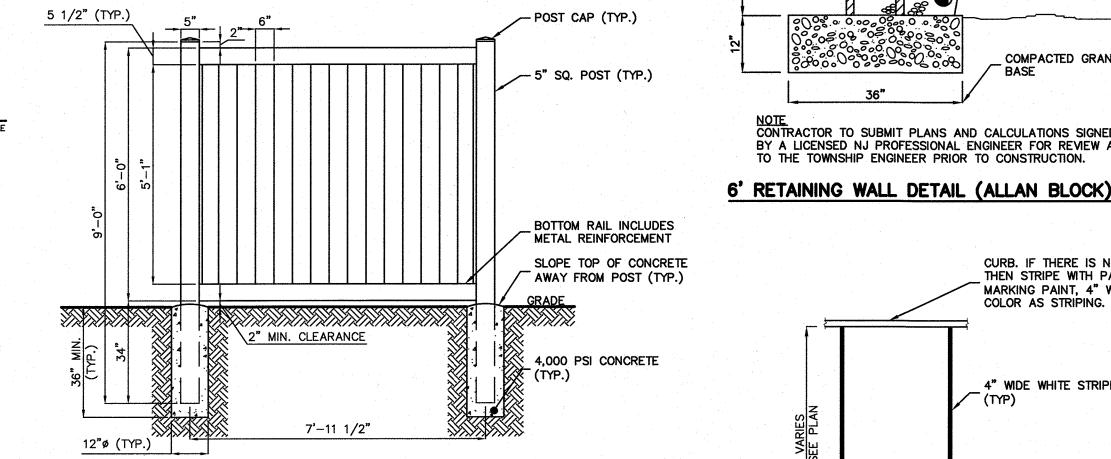
SURFACES (TYP

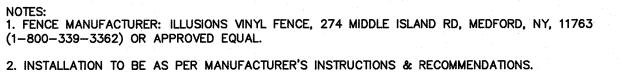
6'-0" MIN MAX SLOPE 1:12

CONC. SIDEWALK

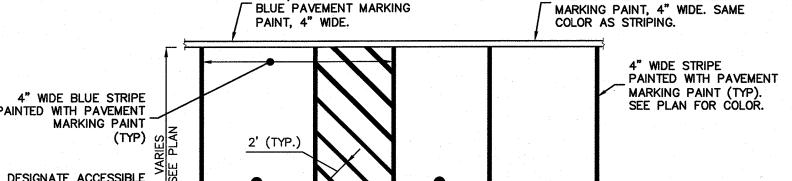
18" | SEE PLAN | 18" | FOR WIDTH

RETURN CURB





SOLID VINYL TONGUE AND GROOVE FENCE - 6' HT.



PARKING SPACE STRIPING

- PITCH TO DRAIN

CLASS D CONC.

PLUG END OF PIPE

DESIGNATE ACCESSIBLE PARKING SPACES WITH ACCESS. PAINTED WITH

1/2" RADIUS

NOT TO SCALE

AT 28 DAYS) 9" INSTALL 1/4" WIDE TRAV. JOINTS AT 20'-0" O.C. FILL WITH BITUM. FILLER RECESSED 1/4" FROM CURB TOP AND FACE INTERIOR CURB

- 4"ø CEDAR POST & RAIL BLACK VINYL COATED GARDEN WIRE STAPLED TO INSIDE OF FENCE. 4,000 PSI CONCRETE 7'-11 1/2" 12"ø (TYP.) 4' HT POST & RAIL FENCE

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 retraction system comes standard on all CT4000 models to eliminate unsightly cords on the ground, and to keep your drivers

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 can upgrade to dual port stations without requiring additional electrical services.

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 Charge Point Service Plans' and backed by Charge Point's world class 24/7 driver phone support.

Custom "cap" printing available?

Clean Cord Technology^{te}

standard on all models

Flexible over entire -22°F to +122°F product temperature range

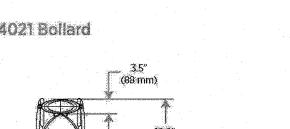
Intelligent Power Sharing (patent pending)

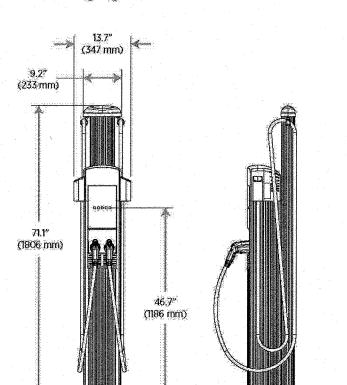
Reduced installation and operating costs

Upgrade a single port station to dual port with no

ChargePoint Service Plans are sold separately 2 Download fees apply

⁵ Minimum order quantities apply CT4021 Bollard





71.0" (1805 mm)

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

ELECTRIC VEHICLE CHARGE STATION - DOUBLE

from having to touch charging cables.

phone support Energy Measurement and Management Real-time energy measurement

Time of Day (TOD) pricing

All CT4000 models offer one or two standard SAE J1772™ Level 2 charging ports with locking holsters, each port supplying up to 7.2kW.

Corporate Branding and Video Advertising

* Download full motion color videos to your stations? Custom replaceable signage to project your brand

 Keep charging cords off the ground and out of your and drivers' hands

 Dynamically share one 40A circuit between two parking spaces * Double the number of parking spaces for a given site's power capacity

electrical upgrade

CT4023 Wall Mount

(233 mm)

Driver Friendly User interface

15 minute interval recording

or to fixed power output

The standard EV Charging Only

your branding.

branding.

sign is essily teplaceable with .-----

The cap of the CT4CSO family is elso available for custom

The 5.7° LCD display provides

instructions in a glear and

simple format, It also allows

station owners to deliver advertising messaging. *

supported in any weather

buttons with oudin feedback.

by five rugged, back-lift

full motion changing

Load shed by % of running average

Instructional video shows how to use the station

Backed by ChargePoint's world class 24/7 driver

* Touch button interface; works in rain, ice and with gloves

Multi-language: English, French, Spanish

(1186 mm)

NOT TO SCALE

RESIDENTIAL **DEVELOPMENT** LOCK 4201.01, LOT 33.03

SITE DETAILS

66 GLEN IN ROCK, P 201. F 201.

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. 669

ERIC M. HOUGH, P.E.

PROFESSIONAL ENGINEER

GROVERS MILL ROAD & MALL ACCESS ROAD TOWNSHIP OF LAWRENCE MERCER COUNTY, NEW JERSEY

TRICONE 2525 US-130 SUITE B4 CRANBURY, NJ 08512

> 24GA28068900 / 21MH00002800 C.J.B 21-210 /ISION NO. 10-12-23

> > C3.1

CLASS "B" CONC. (4,500 PSI @ 28 PAYS) - PAVEMENT SURFACE WELDED WIRE FABRIC UNDISTURBED EARTH OR COMPACTED SUBGRADE CONCRETE PAVEMENT DETAIL

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.

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

BRACE BAND FOR TENSION WIRE

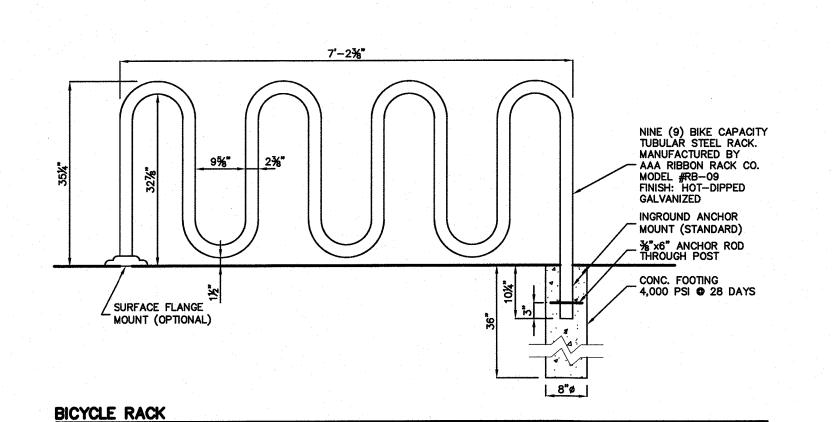
CHAIN LINK FENCE DETAIL

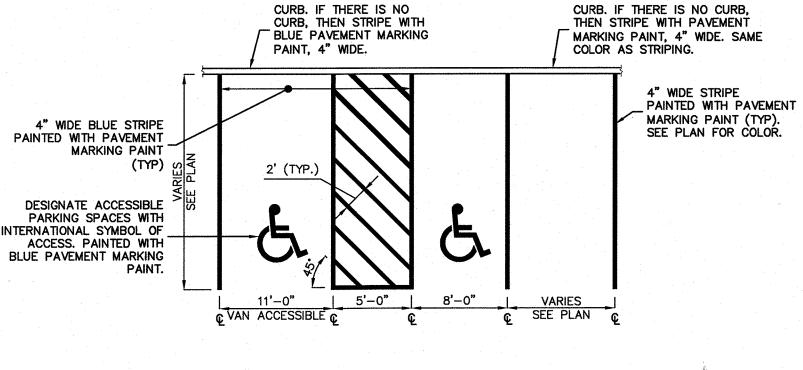
1. ALL TIES, HOG RINGS AND CLIPS SHALL BE GALVANIZED.

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.





CONCRETE (4,000 PSI

VARIES | SEE PLAN C

2W (12' MAX, 8' MIN)

CONCRETE PAVEMENT

MAX. 1.5% SLOPE

Y :::: -----SEE PLAN FOR CURB LOCATION

CONCRETE SIDEWALK DETAIL

15"±

12" ALLAN_

BLOCK

(TOWARD CURB)

1/2" EXPANSION JOINT WITH

-PRE-MOLDED FILLER AND

SMOOTH TOOLED BORDER

-TOOLED 1/2" RADIUS

(4,500 PSI @28 DAYS)

TOOLED EDGES

1/2" PREFORMED EXPANSION -BROOM FINISH -JOINT WHERE CURB ABUTS

WITH 1/2" RADIUS

CONCRETE

GRAVEL OR

EARTH OR

SUBGRADE

COMPACTED

REINFORCED SOIL

 $\emptyset = 30^{\circ} \\ 8 = 120 \#/CF$

GEOGRID 5XT BY MIRAFI

© EVERY 3 COURSES

" CRUSHED STONE

5'-0" (TYP)

4" PERFORATED PVC PIPE

TIED TO DRAINAGE SYSTEM

COMPACTED GRANULAR

CURB. IF THERE IS NO CURB,

THEN STRIPE WITH PAVEMENT

COLOR AS STRIPING.

4" WIDE WHITE STRIPE

SOLID GREEN BOX — W/WHITE DECAL

-1 1/4" RADIUS

1/2" PREFORMED EXPANSION

-JOINT WHERE CURB ABUTS

CONCRETE PAVEMENT

-STREET PAVEMENT

ELECTRIC VEHICLE PARKING SPACE STRIPING

MARKING PAINT, 4" WIDE. SAME

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

CONTRACTOR TO SUBMIT PLANS AND CALCULATIONS SIGNED AND SEALED

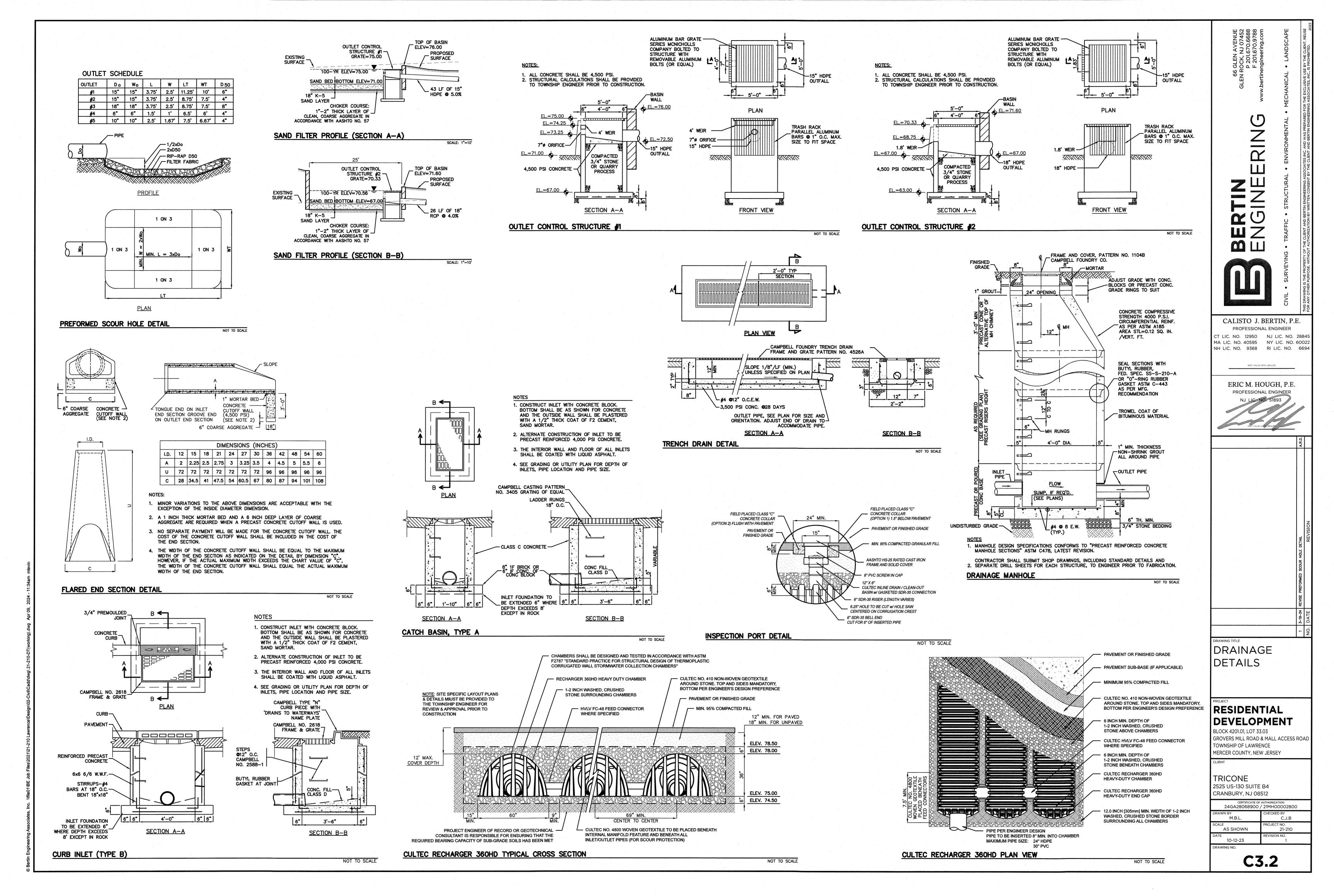
BY A LICENSED NJ PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL TO THE TOWNSHIP ENGINEER PRIOR TO CONSTRUCTION.

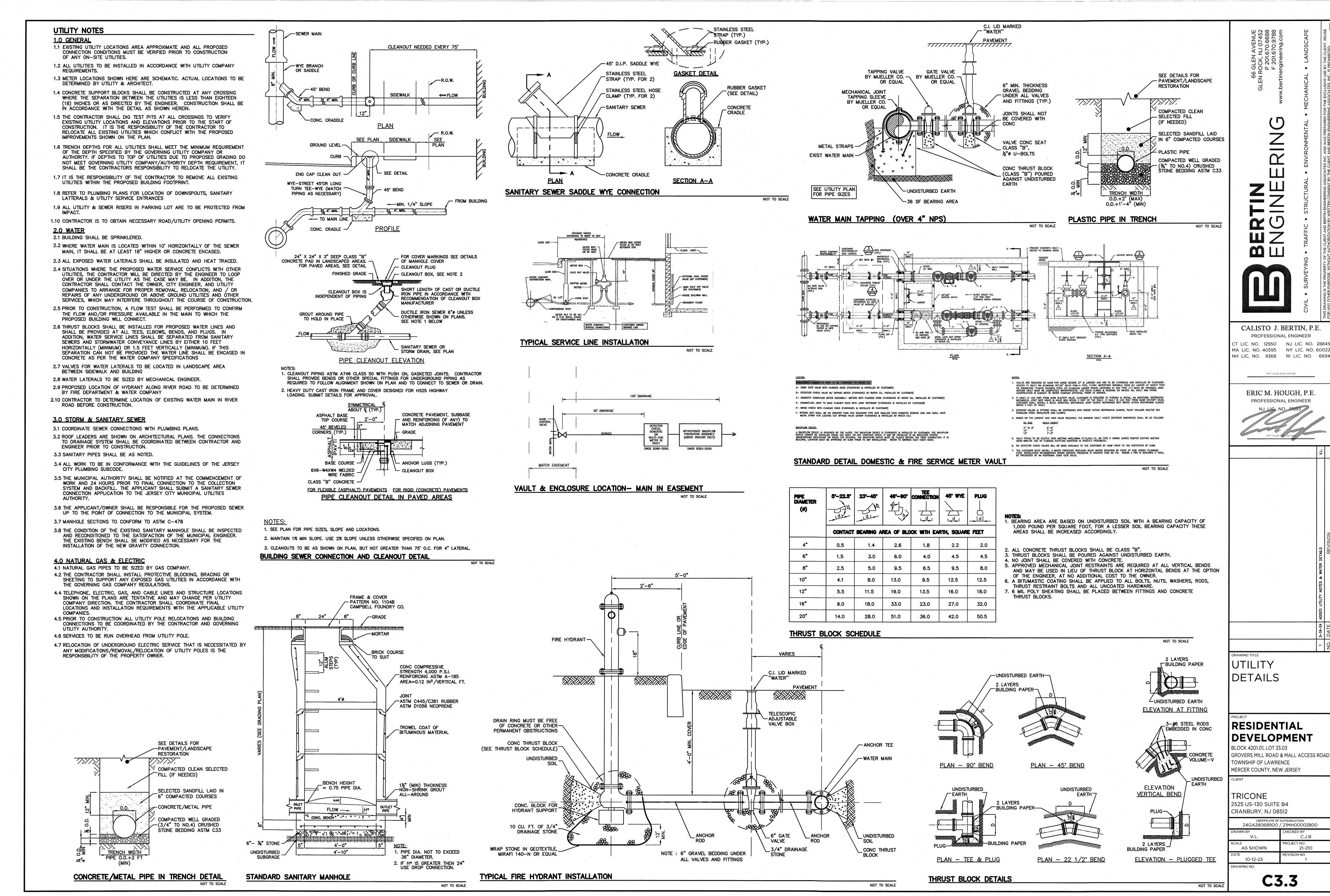
UNDISTURBED

1 1/4" DEEP TOOLED

BROOM SWEPT FINISH-

EDGE CONTROL JOINT



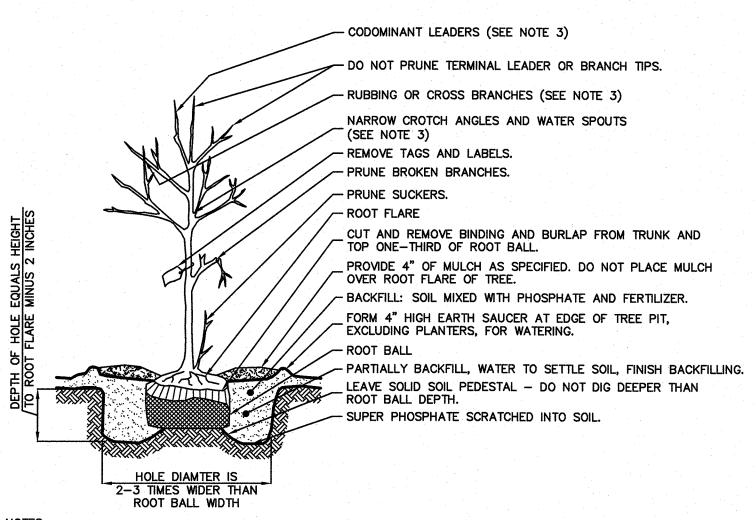


TOP SOIL & GRASS DETAIL

-UNDISTURBED EARTH

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

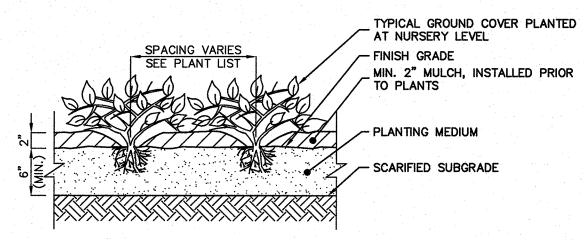


1. WIRE BASKETS ARE TO BE REMOVED PRIOR TO BACKFILLING THE PLANTING PIT.

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



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).

> NOTE: WIRE BASKETS ARE TO BE REMOVED PRIOR TO BACKFILLING THE PLANTING PIT

- PREPARED TOPSOIL CUSHION

EVERGREEN TREE PLANTING DETAIL

NOT TO SCALE

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.
- <u>Ground cover and plants:</u> 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 PART PEAT.
- 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 MATERIAL IS NOT ACCEPTABLE.
- 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.
- 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 PLANS OR NOT. CONTRACTOR TO FIELD VERIFY AREAS OF SEED AND OF SOD PRIOR TO
- 11. CONTRACTOR SHALL REVIEW THE "PROTECTION AGAINST AND REMEDIATION OF EXCESS SOIL COMPACTION".
- 12. CONTRACTOR SHALL REVIEW AND COORDINATE HIS WORK WITH THAT OF THE WORK SHOWN 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
- 15. FURNISH AN IRRIGATION SYSTEM AT ALL LANDSCAPED AREAS. IRRIGATION SYSTEM TO BE DESIGNED BY A PERSON LICENSED IN THE STATE OF NEW JERSEY.

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

- 2. DRIVE STAKES VERTICALLY AND AT LEAST 12" INTO UNDISTURBED SOIL. DO NOT DRIVE STAKES THROUGH ROOT BALL. LOCATE STAKES TO BEST RESIST PREVAILING WINDS WHERE POSSIBLE.
- TREE TIES TO BE EITHER: 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 TREE. FASTEN SECURELY TO STAKE.
- 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.

TREE STAKING DETAIL

TREE TIES (SEE NOTES)

TENSION GUYING TO ALLOW -

4" SWAY ANY DIRECTION

ROUGH SAWN OR S4S STAKES. SEE NOTES. PLACE STAKES _ OUTSIDE ROOT BALL. REMOVE

STAKES AFTER ONE YEAR.

FINISH GRADE -

12" MIN.

LAWNS: SODDING AND SOIL PREPARATION NOTES

- 1. 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
- 2. ALL LAWN AREAS WITHIN LAWN LIMIT LINES TO RECEIVE 6" OF TOPSOIL PRIOR TO SODDING OPERATIONS. ONCE TOPSOIL HAS BEEN PLACED, CONSTRUCTION ACTIVITY OF ANY KIND (EXCLUDING LANDSCAPING) SHALL NOT BE PERMITTED ON OR ACROSS ANY PLANTING AREA. CONTRACTOR SHALL FULLY EXCAVATE ANY PLANTING AREA THAT IS DISTURBED AND REPLACE WITH TOPSOIL. SCARIFY SOIL TO DEPTH OF 3± INCHES
- 3. LAWNS SHALL BE SODDED FOLLOWING SCARIFYING, FINAL GRADING, FERTILIZING, AND RAKING. LAWN SHALL BE FERTILIZED WITH 12-12-12 ANALYSIS FERTILIZER AT A RATE OF 10 LBS/1,000 SF.
- 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
- 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 STAND OF ACCEPTABLE GRASS AT THE END OF THE ONE YEAR GUARANTEE PERIOD WITH NO BARE SPOTS COMPRIZING MORE THAN 2% OF ANY LAWN AREA. ANY AREA SO NOTED WILL BE SODDED UNTIL AN ACCEPTABLKE STAND OF GRASS IS ESTABLISHED.
- 6. ALL DISTURBED LAWN AREAS SHALL BE SODDED AS NOTED AND AS APPROVED BY OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.

LAWNS: SEEDING AND SOIL PREPARATION NOTES

- AND GRADE SMOOTH.
- 2. ALL LAWN AREAS WITHIN LAWN LIMIT LINES TO RECEIVE 6" OF TOPSOIL PRIOR TO SEEDING OPERATIONS. ONCE TOPSOIL HAS BEEN PLACED, CONSTRUCTION ACTIVITY OF ANY KIND (EXCLUDING LANDSCAPING) SHALL NOT BE PERMITTED ON OR ACROSS ANY PLANTING AREA. CONTRACTOR SHALL FULLY EXCAVATE ANY PLANTING AREA THAT IS DISTURBED
- 3. HYDROSEDING IS ACCEPTABLE. APPLY WITH APPROVED EQUIPMENT DESIGNED FOR
- 4. PROVIDE FRESH, CLEAN NEW-CROP "PREMIUM" GRADE SEED AND SEED MIXES AS FOLLOWS: (SUBMIT SEASONAL MIX ALTERNATIVE AS APPROPRIATE) 40% KENTUCKY BLUEGRASS
- 5. APPLY SEED AT RATE OF MINIMUM 175 POUNDS PER ACRES (4 LSB/1,000 SF).
- LAWNS SHALL BE SEEDED FOLLOWING SCARIFYING. FINAL GRADING, FERTILIZING, AND RAKING. LAWNS SHALL BE FERTILIZED WITH 12-12-12 ANALYSIS FERTILIZER AT A RATE OF 10 LBS/1,000 SF. APPLY SEED MIX AT SPECIFIED RATE, AND LIGHTLY RAKE INTO TOP 1/4 INCH OF SOIL.
- 8. MULCH SEEDED AREAS WITH STRAW MULCH AT RATE OF MINIMUM 1 1/2 TON PER ACRE (70 LBS/1,000 SF). CRIMP OR TACK STRAW MULCH TO REMAIN IN PLACE UNTIL COMPLETE
- 9. WATER AND MAINTAIN GRASS UNTILL STAND IS ESTABLISHED AND READ FOR MOWING AT MINIMUM 4 INCH HEIGHT. CONTINUE TO WATER FOR A MINIMUM 30 DAYS OR UNTIL ACCEPTED BY OWNER.
- 12. ALL LAWNS SHALL BE GUARANTEED TO HAVE A FULL UNIFORM STAND OF ACCEPTABLE GRASS AT THE END OF THE ONE YEAR GUARANTEE PERIOD WITH NO BARE SPOTS
- 13. ALL DISTURBED LAWN AREAS SHALL BE SEEDED AS NOTED AND AS APPROVED BY OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.

- 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
- AND REPLACE WITH TOPSOIL.
- PROFESSIONAL HYDROSEEDING APPLICATIONS AT RECOMMENDED RATES.
- 30% PERENNIAL RYE GRASS 30% TURF TYPE TALL FESCUE
- 6. SCARIFY SOIL TO DEPTH OF 3 INCHES PRIOR TO APPLICATION.
 - PROFESSIONAL ENGINEER
- GERMINATION OF SEED AND ESTABLISHED GROWTH.
- 10. FOLLOWING SEEDING OPERATIONS, CLEAN UP EXCESS MATERIALS, AND CLEAN ALL BARK MULCHED AND PAVED AREAS.
- 11. FOLLOWING GERMINATION, APPLY HERBICIDE TO ALL GRASS GROWTH IN PLANT MULCH
- 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.

CALISTO J. BERTIN, P.E.

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

LANDSCAPE

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

AWING NO.

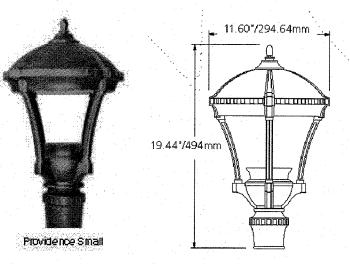
24GA28068900 / 21MH00002800 - V I C.J.B AS SHOWN 21-210 10-12-23

C3.4





"PROVIDENCE SMALL (PROS)" 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.



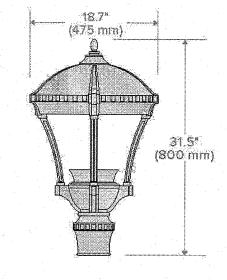
AREA LIGHT FIXTURE DETAIL (AREA LIGHTS "B1" & "B2")





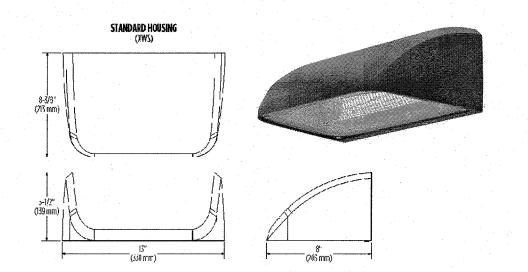


Providence Medium



NUMBER(S), MOUNTING HEIGHT(S), LED COLOR TEMPERATURE(S), LIGHTING DISTRIBUTION(S) AND

AREA LIGHT FIXTURE DETAIL (AREA LIGHTS "A1S", "A2S", "A3", "A3S", "A4", "A4S", & "A5W")











"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

UQL1503 EXTERIOR WALL SCONCE

Antique Stack

Well Locations

(WALL LIGHT "W1")

Fixture Finish

Shade Material Buib Base Type Bulb Waltage

Number of Bulbs Req. Buibs Included

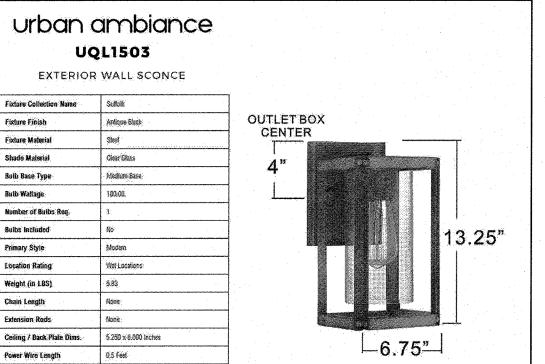
Location Rating

Chain Length

Extension Rods

Power Wire Length LED Builb Compatible

Sloped Ceiling Compatible No

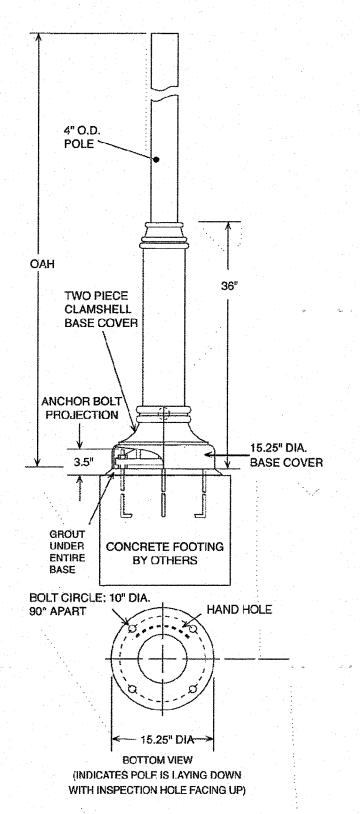


EXTERIOR WALL SCONCE, MANUFACTURED BY URBAN AMBIANCE. FOR USE WITH A 9W LED 3000K LIGHT BULB. SEE LIGHTING SCHEDULE FOR MODEL NUMBER(S), MOUNTING HEIGHT(S), LED COLOR TEMPERATURE(S), LIGHTING DISTRIBUTION(S) AND LUMENS.

WALL SCONCE FIXTURE DETAIL (WALL SCONCE "W2")

Ceiling / Back Plate Dims. 5.750 x 6.000 inches

NOT TO SCALE



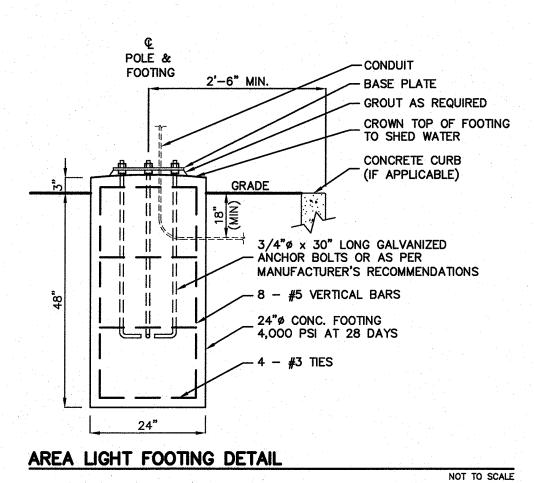
DECORATIVE AREA LIGHT POLE (DB6), MANUFACTURED BY ARCHITECTURAL AREA LIGHTING.

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





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ERIC M. HOUGH, P.E.

PROFESSIONAL ENGINEER

LIGHTING DETAILS

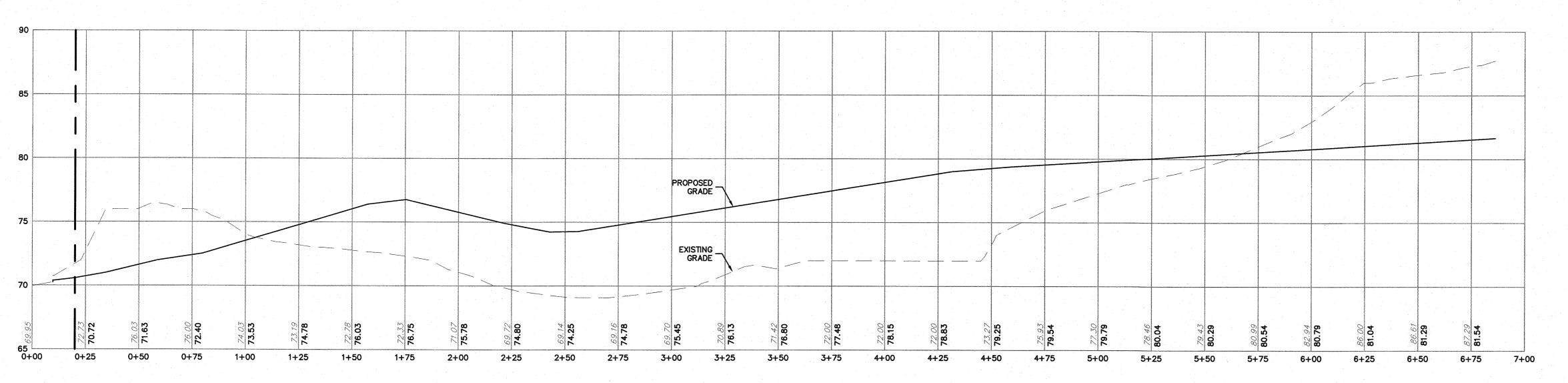
RESIDENTIAL DEVELOPMENT

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

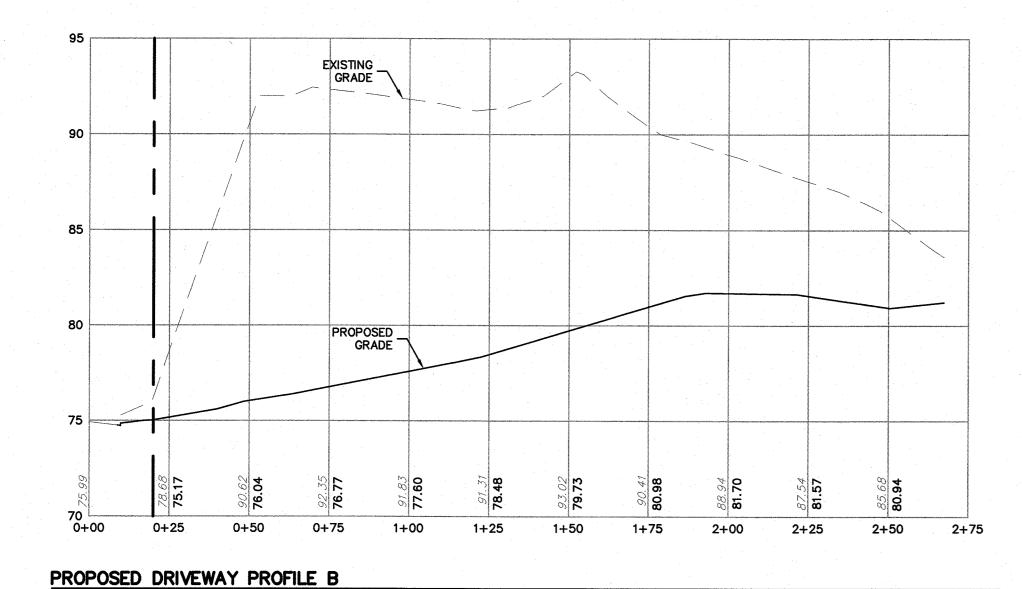
CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800 J.A.S. AS SHOWN 21-210 10-12-23

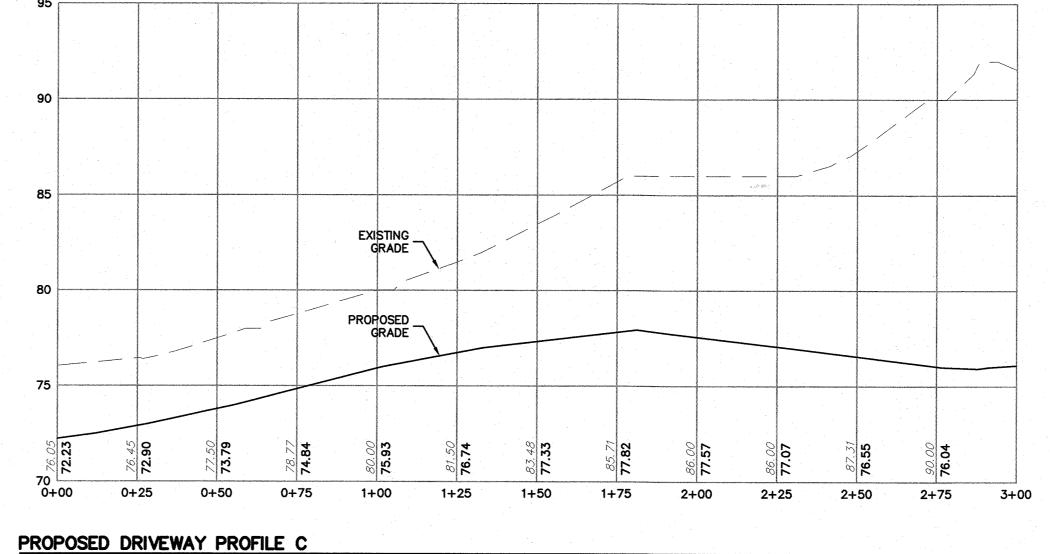
C3.5



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

PROPOSED DRIVEWAY PROFILE A





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

GRAPHIC SCALE 1 inch = 30 ft.

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ERIC M. HOUGH, P.E.

ROAD PROFILES

RESIDENTIAL DEVELOPMENT

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TRICONE 2525 US-130 SUITE B4 CRANBURY, NJ 08512

CERTIFICATE OF AUTHORIZATION 24GA28068900 / 21MH00002800 M.B.L. AS SHOWN 3-19-24

C4.1