GENERAL NOTES:

COUNTY APPROVAL BLOCK:

MUNICIPAL (UNION TOWNSHIP) APPROVAL BLOCK:

ADJUSTMENT OF UNION TOWNSHIP AT A MEETING HELD ON

MUNICIPAL (TOWN OF CLINTON) APPROVAL BLOCK:

ADJUSTMENT OF TOWN OF CLINTON AT A MEETING HELD ON

THIS PLAN WAS APPROVED BY THE PLANNING BOARD - BOARD OF

BOARD CHAIRMAN

BOARD SECRETARY

TOWNSHIP ENGINEER

BOARD CHAIRMAN

BOARD SECRETARY

TOWN ENGINEER

THIS PLAN WAS APPROVED BY THE PLANNING BOARD - BOARD OF

- THERE ARE NO EXISTING WETLANDS ONSITE OR IMMEDIATELY OFFSITE THAT WOULD IMPACT THE PROPOSED CONSTRUCTION DEPICTED HEREON AS PER PUBLISHED MATERIALS AND A SITE INSPECTION PERFORMED BY JEFF TAREILA
- 2. NO FLOODPLAINS EXIST ON THE SUBJECT PROPERTY AS PER THE FLOOD INSURANCE RATE MAPS PUBLISHED
- 3. THE SUBJECT PROPERTY IS LOCATED WITHIN THE 'VILLAGE COMMERCIAL (VC) ZONE' AS DESIGNATED ON THE UNION TOWNSHIP'S ZONE MAP AND 'C-3 HIGHWAY ORIENTED COMMERCIAL ZONE' AS DESIGNATED ON THE CLINTON TOWN'S ZONE MAP ..
- 4. THE SUBJECT PROPERTY IS SHOWN ON UNION TOWNSHIP'S TAX MAP SHEET #22.01 AND CLINTON TOWN'S TAX
- 5. THE TOTAL NET AREA OF BLOCK 24.01 LOT 1 (UNION TOWNSHIP) IS 1.135 ACRES (49449± SQ FT) AND BLOCK 4 LOT 2 (CLINTON TOWN) IS 0.599 ACRES (26,082 SQ FT).
- 6. OFFICIAL NOTICE TO BE SERVED FROM CERTIFIED LISTS OBTAINED FROM THE UNION TOWNSHIP, CLINTON TOWN &
- 7. ARCHITECTURAL DATA (FLOOR PLAN AND EXTERIOR ELEVATIONS) FOR THE PROJECT PREPARED BY D. A. DENSON ARCHITECTS ENTITLED 'BONNELL TAVERN ADDITIONS & ALTERATIONS ROUTE 31 TOWN OF CLINTON HUNTERDON COUNTY NEW JERSEY' DATED 04/12/22.
- 8. THE ZONING AND LAND DEVELOPMENT ORDINANCES AVAILABLE ON THE UNION TOWNSHIP AND CLINTON TON WEBSITES WERE USED IN THE PREPARATION OF THE DESIGN SHOWN ON THESE PLANS.
- 9. ALL PROPOSED UTILITIES TO BE LOCATED UNDERGROUND AND SHALL BE APPROVED BY APPLICABLE
- 10. THERE SHALL BE NO ON-SITE BURIAL OF CONSTRUCTION MATERIAL (TREES, TREES STUMPS, BRUSH OR OTHER SURPLUS MATERIAL). ALL SUCH MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.
- PRIOR TO ANY TREE REMOVAL, LIMITS OF CLEARING IN WOODED AREAS SHALL BE DELINEATED WITH SNOW FENCE. STANDARD TREE CLEARING INSPECTION BY THE MUNICIPALITY IS REQUIRED PRIOR TO ANY TREE REMOVAL OR LAND
- 13. THIS BUILDING WILL BE SERVED BY CONNECTIONS TO THE EXISTING SANITARY COLLECTION SYSTEM AND THE POTABLE WATER SUPPLY SYSTEM.
- 14. EXISTING UTILITIES TO THIS BUILDING WILL REMAIN AND SHALL BE EXTENDED THROUGHOUT THE ADDITIONS AS REQUIRED BY APPLICABLE CODES.
- 15. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED ON THE DRAWINGS.
- 16. ANY/ ALL AS-BUILT DOCUMENTS WILL BE PROVIDED BY THE APPLICANT/ LANDOWNER AS THE VARIOUS CONSTRUCTION ITEMS ARE COMPLETED.

SEWER CONNECTION PERMIT (TOWN OF CLINTON WATER & SEWER DEPARTMENT)

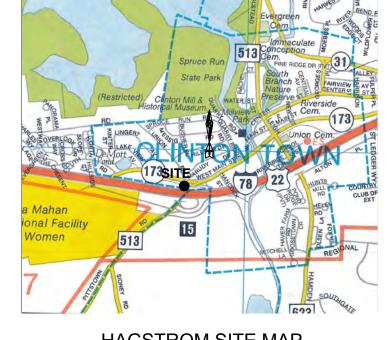
DATE

DATE

DATE

DATE

- 17. TRASH COLLECTION AND RECYCLING SHALL CONFORM WITH THE TYPICAL PROCEDURES FOR SIMILAR NON-RESIDENTIAL FACILITIES IN THIS AREA.
- 18. THE APPLICANT WILL PROVIDE POST-CONSTRUCTION ACCESS TO THE APPROPRIATE MUNICIPAL REPRESENTATIVE TO INSPECT THE ONSITE STORMWATER MANAGEMENT FEATURES AND ASSOCIATED MAINTENANCE RECORDS AS PROPOSED
- 19. LIST OF REQUIRED PERMITS AND/ OR APPROVALS: BULK VARIANCE (UNION TOWNSHIP'S PLANNING BOARD - ZONING BOARD OF ADJUSTMENT) PRELIMINARY AND FINAL SITE PLAN (UNION TOWNSHIP'S PLANNING BOARD - ZONING BOARD OF ADJUSTMENT) EROSION CONTROL CERTIFICATION (HUNTERDON COUNTY SOIL CONSERVATION DISTRICT) CONSTRUCTION PERMITS (UNION TOWNSHIP'S BUILDING DEPARTMENT) CERTIFICATE OF OCCUPANCY (UNION TOWNSHIP'S BUILDING DEPARTMENT) MINOR ACCESS PERMIT (NEW JERSEY DEPARTMENT OF TRANSPORTATION)



HAGSTROM SITE MAP 1" = 2170'±



AERIAL PHOTOGRAPHY 1" = 500'±

BULK VARIANCE APPLICATION AND

PRELIMINARY & FINAL SITE PLAN APPLICATION

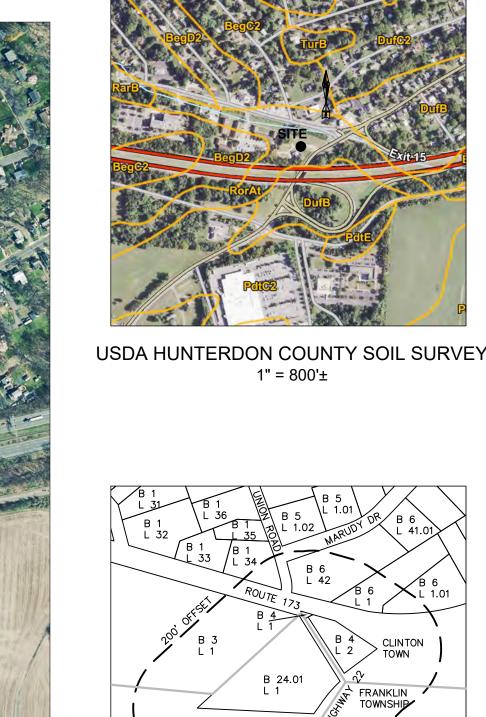
THE BONNELL TAVERN

BLOCK 24.01 LOT 1 UNION TOWNSHIP

BLOCK 4 LOT 2 TOWN OF CLINTON

2 COUNTY ROUTE 513

HUNTERDON COUNTY NEW JERSEY



TAX MAP DATA 1" = 540'±

TOWNSHIP INTERSTATE 78

· FRANKLIN

APPLICANT/ OWNER: BONNELL PROPERTIES LLC C/O HENRY BONNELL PO BOX 51 ANNADALE NEW JERSEY 08801 PHONE: (917) 753 3333 hbonnell@bonnelltavern.com

MUNICIPAL (UNION TOWNSHIP) SIGNATURES: I HAVE REVIEWED THIS SITE PLAN AND CERTIFY THAT IT MEETS ALL CODES AND ORDINANCES UNDER MY JURISDICTION.

			000
TOWNSHIP ENG	GINEER	DATE	

I HEREBY CERTIFY THAT ALL THE REQUIRED IMPROVEMENTS HAVE BEEN INSTALLED OR A BOND POSTED IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES. (IF IMPROVEMENTS INSTALLED)

TOWNSHIP ENGINEER (IF BOND POSTED)	DATE
TOWNSHIP CLERK	DATE

TOWNSHIP OF UNION, HUNTERDON COUNTY, NEW JERSEY

WAIVER LIST FROM UNION TOWNSHIP'S SITE PLAN CHECKLIST

62. CARBONATE AREA DISTRICT INVESTIGATIONS

LIST OF WAIVERS / VARIANCES FROM UNION TOWNSHIP ORDINANCE:

ORDINANCE SECTION 30-4.8b MINIMUM LOT AREA GROSS DENSITY BUILDING COVERAGE RATIO LOT IMPERVIOUS COVERAGE RATIO FLOOR AREA RATIO FRONT YARD SETBACK SIDE YARD SETBACK ORDINANCE SECTION 30-6.464

STEEP SLOPE DISTURBANCE

DATE ORDINANCE SECTION 30-5.5E PARKING COUNT

> ORDINANCE SECTION 30-6.9 CARBONATE AREA DISTRICT INVESTIGATION

PROJECT ENGINEER: THEODORE H BAYER, PE BAYER-RISSE ENGINEERING INC 78 ROUTE 173 WEST SUITE 6 HAMPTON NEW JERSEY 08827 PHONE: (908) 735 2255 EMAIL: tbayer@bayer-risse.com

USGS QUADRANGLE MAP

HIGH BRIDGE, NJ'

1" = 2000'

PROJECT TRAFFIC ENGINEER: MATTHEW SECKLER, PE STONEFILED ENGINEERING & DESIGN 92 PARK AVENUE RUTHERFORD NEW JERSEY 07070 PHONE: (201) 340 4468 EMAIL: mseckler@stonefieldeng.com PROJECT ARCHITECT: DAVID A. DENSON D.A. DENSON ARCHITECTS 28 CENTER STREET CLINTON NEW JERSEY 08809 PHONE: (908) 730 7881 EMAIL: dadenson@embarqmail.com

PROJECT PLANNER: TIFFANY A. (CUVIELLO) MORRISSEY TIFFANY A MORRISSEY, PP, LLC 7 EQUESTRIAN DRIVE GALLOWAY, NJ 08205 (856) 912 4415 tamorrissey@comcast.net

TOWN OF CLINTON, HUNTERDON COUNTY, NEW JERSEY

WAIVER LIST FROM TOWN OF CLINTON'S DEVELOPMENT REVIEW CHECKLIST

PRELIMINARY MAJOR SITE PLAN CERTIFICATION FROM TOWN'S WATER & SEWER DEPARTMENT FOR FEES CERTIFICATION & WILL SERVE LETTERS FROM TOWN'S WATER AND SEWER

DEPARTMENT FOR UTILITY CONNECTIONS WILL SERVE & REVIEW LETTERS FROM FIRE OFFICIALS WILL SERVER LETTER FROM PUBLIC UTILITIES

OUTSIDE AGENCIES APPLICATION

FLOOD HAZARD AREA DOCUMENTS ENVIRONMENTAL IMPACT STATEMENT/ NATURAL RESOURCE INVENTORY WETLANDS REPORT

W. WETLANDS LOI Y. GEOLOGICAL INVESTIGATION REPORT

REQUIRED DOCUMENTS (TO BE PROVIDED ON PLANS) 11. EXISTING AND PROPOSED STREETS

16. PROPOSED EASEMENT 48. NJ HIGHLANDS CONSISTENCY DETERMINATION

FINAL MAJOR SITE PLAN CERTIFICATION FROM TOWN'S WATER & SEWER DEPARTMENT FOR FEES WILL SERVER LETTER FROM PUBLIC UTILITIES PROPOSED EASEMENT DEDICATIONS DEEDS

GEOLOGICAL INVESTIGATION REPORT

REQUIRED DOCUMENTS (TO BE PROVIDED ON PLANS) 11. EXISTING AND PROPOSED STREETS 16. PROPOSED EASEMENT

APPLICANT'S ATTORNEY:

MCNALLY, YAROS, KACYNSKI, LIME

SOMERVILLE NEW JERSEY 088876

KARA KACYNSKI, ESQ

275 EAST MAIN STREET

PHONE: (900) 800 7010

EMAIL: kara@mykl-law.com

46. AS-BUILT PLANS 48. NJ HIGHLANDS CONSISTENCY DETERMINATION

INDEX OF DRAWINGS		
COVER PAGE	SHEET	1
EX CONDS & DEMO PLAN	SHEET	2
PROP CONDS & ZONING PLAN	SHEET	7
GRADING & DRAINAGE PLAN	SHEET	
LANDSCAPING PLAN	SHEET	5
LIGHTING PLAN	SHEET	6
SOIL EROSION CONTROL PLAN	SHEET	7
CONSTRUCTION DETAILS I	SHEET	8
CONSTRUCTION DETAILS II	SHEET	ξ
CONSTRUCTION DETAILS III	SHEET	10
SLOPE STUDY PLAN	SHEET	11

PROPERTY OWNERS WITHIN 200' OF SUBJECT PROPERTY:

NOTE, THIS LISTING MAY BECOME OUTDATED OVER TIME AND SHOULD NOT BE USED FOR ANY OFFICIAL NOTIFICATION. ONLY THE OFFICIAL/ CERTIFIED LISTS FROM EACH OF THE MUNICIPALITIES SHOULD BE USED FOR

SUBJECT PARCEL IN

UNION TOWNSHIP BLOCK LOT OWNER'S NAME & MAILING ADDRESS PROPERTY LOCATION BONNELL PROPERTIES LLC 2 COUNTY ROUTE 513

PO BOX 51 ANNADALE NEW JERSEY 0880

CLINTON TOWN OWNER'S NAME & MAILING ADDRESS BLOCK LOT PROPERTY LOCATION BONNELL PROPERTIES LLC 2 COUNTY ROUTE 513 PO BOX 51 ANNADALE NEW JERSEY 0880

ADJOINERS UNION TOWNSHIP

CLINTON TOWN BLOCK LOT OWNER'S NAME & MAILING ADDRESS PROPERTY LOCATION FAIRVIEW REALTY% MANDELBAUM & MANDELBAUM 98 ROUTE 173 354 EISENHOWER PARKWAY #1900 LIVINGSTON, NEW JERSEY 07052 EARL M. JR. AND MARY LYNN HOUGHTON ROUTE 22 2977 HEATHER BOW SARASOTA, FLORIDA 34235

JOHN LEONARD III & THOMAS LEONARD 8 UNION ROAD 6 ALTON PLACE CLINTON, NJ 08809 86 WEST MAIN ROAD P. O. BOX T MILFORD, NJ 08848 82 WEST CLINTON LLC C/O WASEEM PET INC. 82 WEST MAIN ROAD

92 WEST MAIN ROAD WEST CLINTON ASSOC. LLC P. O. BOX 242 PITTSTOWN, NJ 08867 TOWNSHIP OF UNION

140 PERRYVILLE ROAD HAMPTON, NJ 08827 STATE OF NEW JERSEY DEPARTMENT OF TRANSPORTATION 1035 PARKWAY A VENUE CN 600 TRENTON, NEW JERSEY 08625

11 DEAN STREET MADISON, NEW JERSEY 079402

PUBLIC UTILITY AND CABLE TV COMPANIES:

UNION TOWNSHIP

ΑΤ&Τ

PLANNING BOARD

SPRINT ATT: NETWORK ENGINEER II 160 CENTER STREET CLINTON, NJ, 08809 PUBLIC SERVICE ELECTRIC MANAGER: CORPORATE PROPERTIES 80 PARK PLAZA, T6B NEWARK, NJ, 07102 ND GAS CO.

NEW JERSEY DEPARTMENT OF TRANSPORTATION ROUTE 79 AND DANIELS WAY FREEHOLD NJ 07728 HUNTERDON COUNTY P. O. BOX 2900 FLEMINGTON NEW JERSEY 08822-2900

CLINTON WATER DEPARTMENT ART DYSART N, WATER SUPERINTENDENT O. BOX 5194 CLINTON, NEW JERSEY 08809

CLINTON SEWER DEPARTMENT BOB NEIZGODA, SUPERINTENDENT O. BOX 5194 CLINTON, NEW JERSEY 08809 COMCAST CABLE COMPANY 50 RANDOLPH ROAD SOMERSET NEW JERSEY 08873

J C P & L (ELECTRICITY) 300 MADISON AVENUE & PUNCH BOWL ROAD MORRISTOWN NEW JERSEY 07960

ELIZABETHTOWN GAS CO 520 GREEN LANE UNION NEW JERSEY 07083 CENTURYLINK ENGINEERING DEPARTMENT TELEPHONE COMPANY OF NJ 160 CENTER STREET CLINTON NEW JERSEY 08809 50 PATRICIA DRIVE FLANDERS, NEW JERSEY 07836 NEW JERSEY DEPARTMENT SATE OF NEW JERSEY DEPARTMENT OF TRANSPORTATION 1035 PARKWAY A VENUE CN 600 TRENTON, NEW JERSEY 08625 OF TRANSPORTATION HUNTERDON COUNTY

314 ROUTE 12, BUILDING # 1, 1 ST FLOOR P. O. BOX 2900 FLEMINGTON NEW JERSEY 08822-2900

REFERENCE MATERIALS & GENERAL NOTES:

- 1. SURVEY DATA FOR THE BONNELL TAVERN PREPARED BY CARROLL ENGINEERING ENTITLED 'BOUNDARY AND TOPOGRAPHIC SURVEY THE BONNELL TAVERN REDEVELOPMENT PROJECT SITUATED IN BLOCK 24.01, LOT 1 -UNION TOWNSHIP BLOCK 4, LOT 2 - TOWN OF CLINTON HUNTERDON COUNTY, NEW JERSEY' DATE 07/29/22 AND REVISED THROUGH 03/23/23, JOB #21-5316-000, SIGNED BY THOMAS A. WATKINS PLS
- 2. SURROUNDING TOPOGRAPHIC DATA FROM TILES E7D5, E7D6, E7D9 & E7D10 OF NORTHWEST NJ 2018 LIDAR
- PROJECT FROM NJ GEOGRAPHIC INFORMATION NETWORK INTERACTIVE MAP. 3. ARCHITECTURAL DATA (FLOOR PLAN AND EXTERIOR ELEVATIONS) FOR THE PROJECT PREPARED BY D. A.
- DENSON ARCHITECTS ENTITLED 'BONNELL TAVERN ADDITIONS & ALTERATIONS ROUTE 31 TOWN OF CLINTON HUNTERDON COUNTY NEW JERSEY' DATED 04/12/22
- 4. UNION TOWNSHIP TAX MAP CLINTON TOWN TAX MAR 5. UNION TOWNSHIP ZONING MAP CLINTON TOWN ZONING MAP
- USDA NRCS SOIL DATA FOR HUNTERDON COUNTY USGS QUADRANGLE MAPS: HIGH BRIDGE, NEW JERSEY
- AERIAL IMAGING FROM GOOGLE EARTH WEBSITE
- 9. FLOOD INSURANCE RATE MAP (FIRM) FOR HUNTERDON COUNTY PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) IDENTIFIED MAP #34019C0118F EFFECTIVE 09-25-09
- 10. THIS SITE IS WITHIN THE PLANNING AREA AS PER THE HIGHLANDS INTERACTIVE MAP.

CERTIFICATION BLOCK

1. PRELIMINARY SITE PLAN OF BLOCK #24.01 LOT #1, ZONE 'VC VILLAGE COMMERCIAL DISTRICT' DATED: AUGUST 5, 2022 APPLICANT & OWNER: BONNELL PROPERTIES LLC C/O HENRY BONNELL MAILING ADDRESS: PO BOX 51, ANNADALE, NEW JERSEY 08801

2. I CONSENT TO THE FILING OF THIS SITE PLAN WITH THE PLANNING BOARD — BOARD OF ADJUSTMENT OF 08/05/22

3. I HEREBY CERTIFY THAT I HAVE PREPARED THIS SITE PLAN AND THAT ALL DIMENSIONS AND INFORMATION

ARE CORRECT, AND PLANS FOR ALL IMPROVEMENTS ARE BASED UPON TOPOGRAPHICAL DATA THAT HAS BEEN INSTRUMENT PRIFIED IN THE FIELD 08/05/22

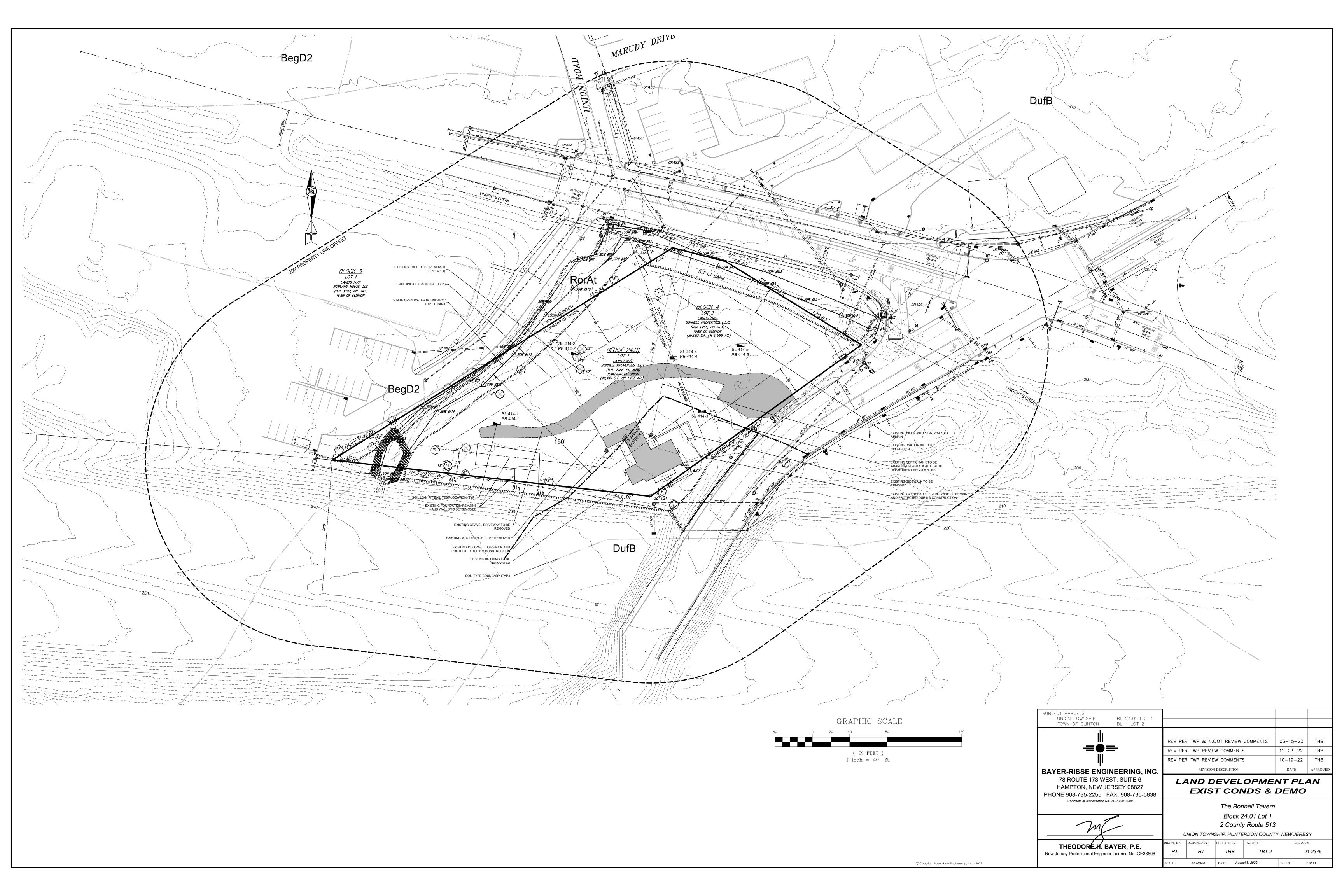
	78 ROUTE 173 WES	•	LAND DEVELORME	NT DI	A A /
	BAYER-RISSE ENGIN	EERING. INC.	REVISION DESCRIPTION	DATE	APPROVED
	 		REV PER TWP REVIEW COMMENTS	10-19-22	THB
	 □=	-	REV PER TWP REVIEW COMMENTS	11-23-22	THB
	_	_	REV PER TWP & NJDOT REVIEW COMMENTS	03-15-23	THB
	ılı				
	UNION TOWNSHIP TOWN OF CLINTON	BL 24.01 LOT 1 BL 4 LOT 2			
	SUBJECT PARCELS:	D. 04.04.40T.4			
_					

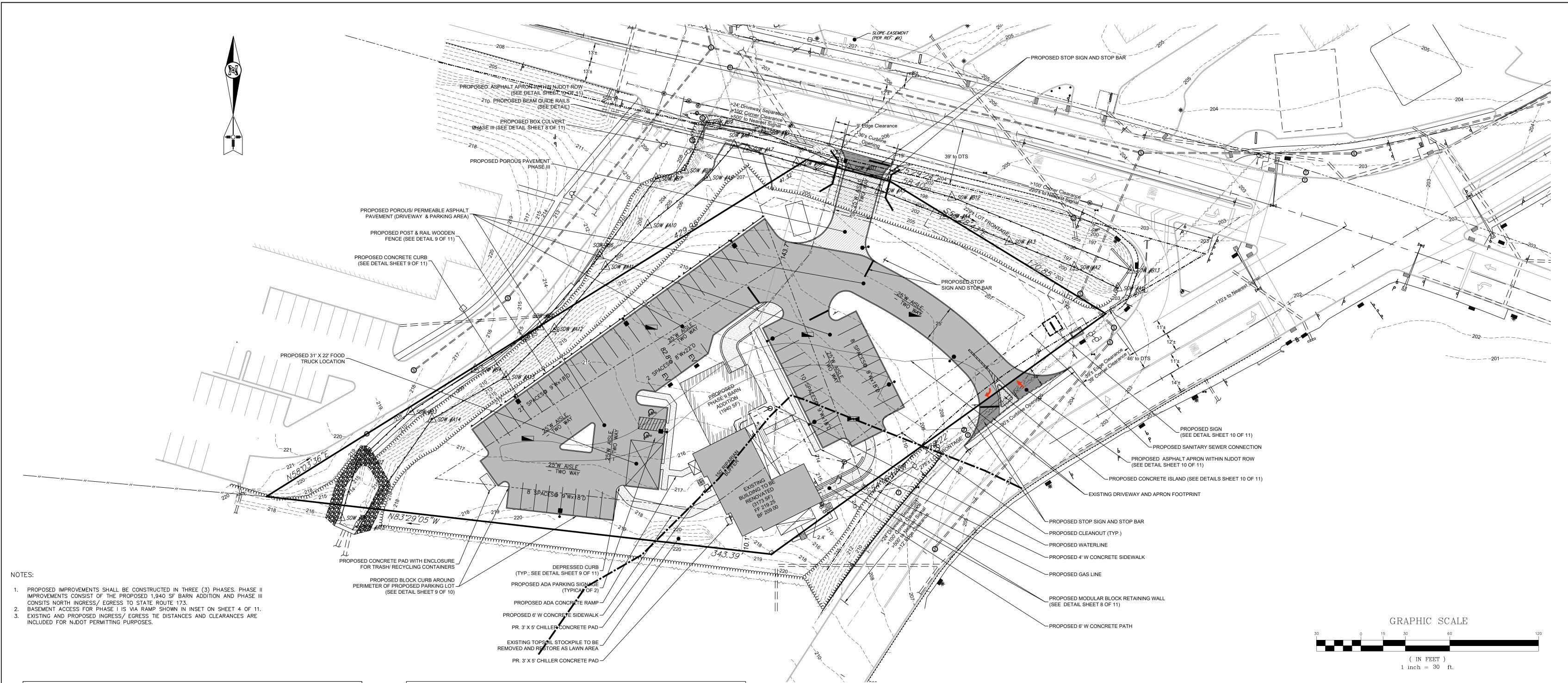
78 ROUTE 173 WEST, SUITE 6 HAMPTON, NEW JERSEY 08827 PHONE 908-735-2255 FAX. 908-735-5838

LAND DEVELOPMENT PLAN COVER PAGE

The Bonnell Tavern Block 24.01 Lot 1 2 County Route 513

UNION TOWNSHIP, HUNTERDON COUNTY, NEW JERESY THEODORE H. BAYER, P.E. TBT-1 As Noted DATE: August 5, 2022





ZONE	SCHEDULE			
BULK REQUIREMENTS FOR BLOCK 24.01 LOT 1 IN	NUNION TOWNSHIP	'S VILLAGE COMM	MERCIAL (VC) DIST	RICT
TOPICS (TYPICAL ITEMS FOR DISCUSSION)	CONVENTIONAL STANDARDS	EXISTING CONDITIONS	PROPOSED CONDITIONS	COMMENT
LOT AREA (MIN) ACRES	2.0	1.135	NO CHANGE	VARIANCE
LOT WIDTH (MIN) FEET	150	>150	NO CHANGE	CONFORM
GROSS DENSITY (MAX)	0.5	0.88	NO CHANGE	VARIANCE
BUILDING COVERAGE RATIO (MAX)	0.06	0.08	0.10 'B'	VARIANCE
LOT IMPERVIOUS COVERAGE RATIO (MAX)	0.20	0.16	0.53	VARIANCE
FLOOR AREA RATIO (MAX)	0.125	0.143	0.21 'B'	VARIANCE
PRINCIPAL BUILDING SETBACKS				
FRONT YARD (MIN) FEET	50	8.8	NO CHANGE	VARIANCE
SIDE YARD (MIN) FEET	25	10.1	NO CHANGE	VARIANCE
REAR YARD (MIN) FEET	50	132.7	82.8	CONFORM
PRINCIPAL BUILDING HEIGHT				
HEIGHT (MAX) STORY	2.5	2.5	2.5	CONFORM
HEIGHT (MAX) FEET	35	<35	<35	CONFORM

A. EXISTING NON-CONFORMING ISSUE AS PER REFERENCED SURVEY B. REFER TO REFERENCE #3.

ZONE SCHEDULE							
BULK REQUIREMENTS FOR BLOCK 4 LOT 2 IN CLINTON TOWN C-3 HIGHWAY ORIENTED COMMERCIAL DISTRICT							
TOPICS (TYPICAL ITEMS FOR DISCUSSION)	CONVENTIONAL STANDARDS	EXISTING CONDITIONS	PROPOSED CONDITIONS	COMMENT			
LOT AREA (MIN) ACRES	0.33	0.599	NO CHANGE	CONFORM			
LOT WIDTH (MIN) FEET	150	>150	NO CHANGE	CONFORM			
GROSS DENSITY (MAX)							
BUILDING COVERAGE RATIO (MAX)	0.25	0	0	CONFORM			
LOT IMPERVIOUS COVERAGE RATIO (MAX)	0.75	0.12	0.39	CONFORM			
FLOOR AREA RATIO (MAX)	0.30	0	0	CONFROM			
PRINCIPAL BUILDING SETBACKS							
FRONT YARD (MIN) FEET	30			N/A			
SIDE YARD (MIN) FEET	10			N/A			
REAR YARD (MIN) FEET	35			N/A			
PRINCIPAL BUILDING HEIGHT							
HEIGHT (MAX) STORY	2			N/A			
HEIGHT (MAX) FEET	35			N/A			

IMPERVIOUS LOT COVERAGES TABLE - UNION TOWNSHIP PARCEL					
EXISTING CONDITION	AREA	% OF LOT	PROPOSED CONDITION	AREA	% OF LOT
BUILDING FOOTPRINT	2461 SF	4.98	PROPOSED BUILDING RENOVATION	3173 SF	6.42
PORCHES	470 SF	0.95	PHASE II BARN ADDITION	1940 SF	3.92
CONCRETE SIDEWALKS, STEPS & WALL	146 SF	0.30	PORCHES	534 SF	1.08
FOUNDATION REMAINS	1423 SF	2.88	CONCRETE SIDEWALKS, STEPS & WALL	2228 SF	4.51
DRIVEWAY	3173 SF	6.42	DRIVEWAY & PARKING AREA	18015 SF	36.43
			MISC	500 SF	1.01
TOTALS (LOT AREA = $49449 \pm SF$)	7673 SF	15.52	TOTALS (LOT AREA = 49449± SF)	26390 SF	53.37
TOTALS (LOT AREA = 49449± SF)					

IMPERVIOUS LOT COVERAGES TABLE — CLINTON TOWN PARCEL

EXISTING CONDITION AREA % OF LOT PROPOSED CONDITION AREA % OF LOT DRIVEWAY 3197 SF 12.26 DRIVEWAY & PARKING AREA 8390 SF 32.17

PHASE II DRIVEWAY 1470 SF 5.64

CONCRETE SIDEWALKS, STEPS, ISLAND 230 SF 0.88

& WALL

CARBONATE ROCK DISTRICT (CRD): THE ZONING MAP OF UNION TOWNSHIP IDENTIFIES THE SITE AS BEING LOCATED WITHIN THE CARBONATE ROCK DISTRICT. FIVE (5) SOIL LOGS WERE EXCAVATED ONSITE TO ESTABLISH THE DESIGN REQUIREMENTS FOR THE STORMWATER MANAGEMENT SYSTEM. NO LIMESTONE OR OTHER CARBONATE ROCK WAS IDENTIFIED IN THE SOIL LOG EXCAVATIONS. THE SOIL LOGS IDENTIFIED BRUNSWICK SHALE AT DEPTHS AS SHOWN AS 48" AND EXTENDING TO 168". REFER TO SHEET 4 FOR SOIL LOG INFORMTION. ADDITIONALLY, A THOROUGH ONSITE INSPECTION OF THE SURFICIAL CONATIONS ONSITE DID NOT IDENTIFY ANY SINKHOLES, DEPRESSIONS, OR OTHER EVIDENCE OF CARBONATE ROCK. FURTHER, HINGLANDS COUNCIL'S INTERACTIVE MAP SHOWS NO CARBONATE ROCK AREA ONSITE. A WAIVER FROM A PHASE I AND II GEOLOGICAL STUDLY IS REQUIRED.

TOTALS (LOT AREA = 26082± SF) 3197 SF 12.26 TOTALS (LOT AREA = 26082± SF) 10090 SF 38.69

SITE CAPABILITY CALCULATIONS:

1. Gross Site Area per Union Township Ordinance 30-6.3(b)1Total Property Area1.135AcresLands within ROW0.000AcresGross Site Area1.135Acres

2. Resource Restrictions and Resource Protection Lands within the Gross Site Area per Union Township Ordinance 30-6.3-(b)2

Natural Resources	Minimum Required Resouces Protection Ratio	Acres of Land in Natural Resource	Resource Protection Land*	Comments
Steep Slopes**				
10% - 15%	0.65	0.14	0.09	
15% - 20%	0.80	0.04	0.03	
>20%	0.90	0.10	0.09	

TOTAL LAND WITH NATURAL RESOURCE RESTRICTIONS = 0.22 Acres

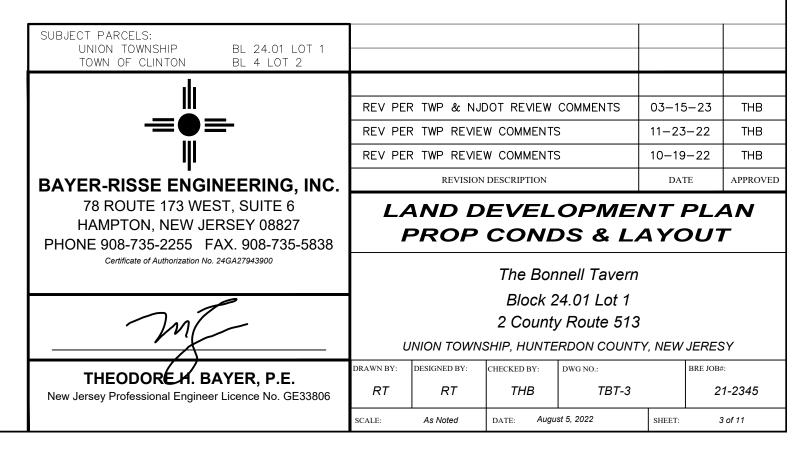
*In the event two or more resources overlap, only the resource with the highest open space ratio shall be used.

**Refer to Slope Analysis on Sheet 6 of 6.

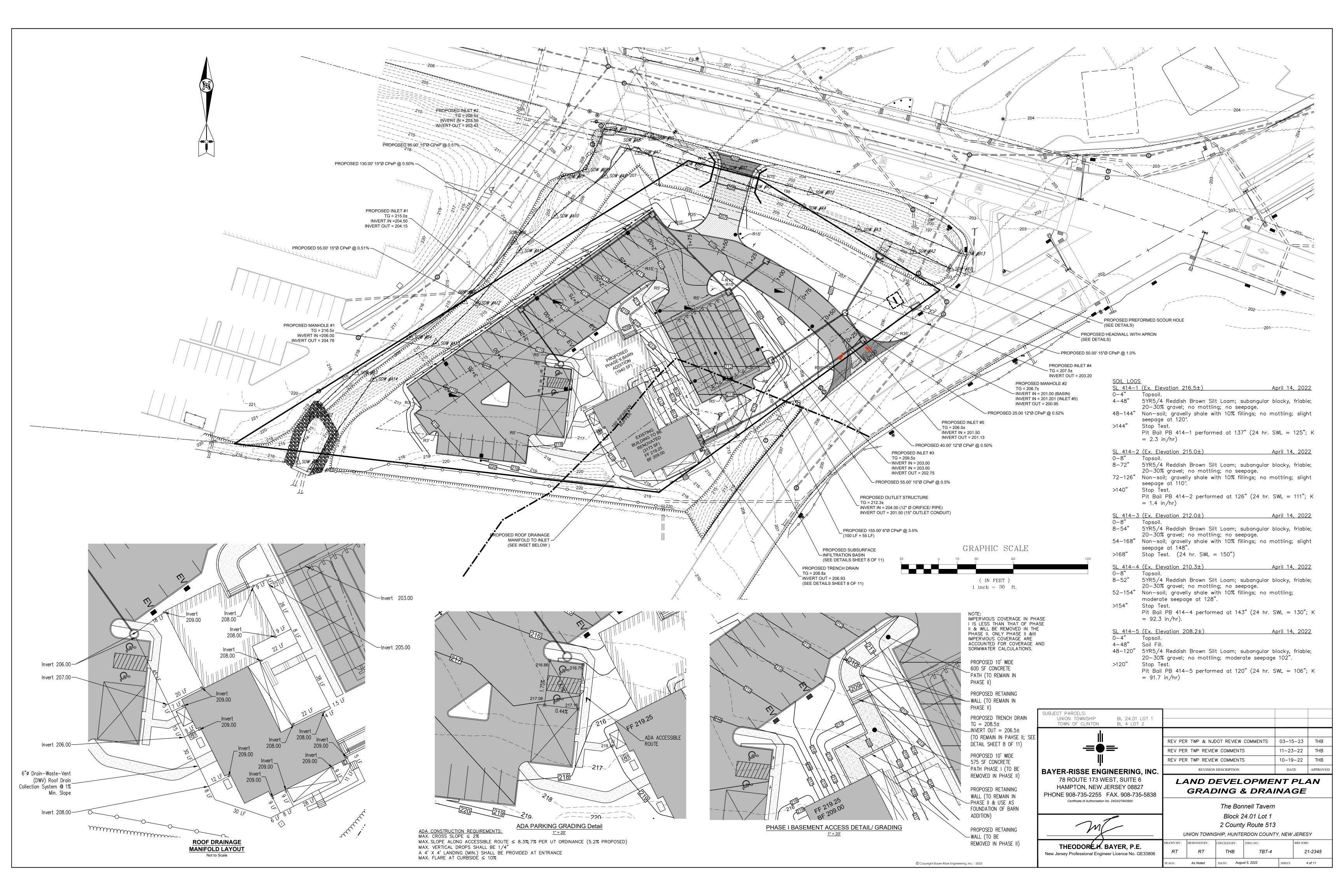
3. Minimum Active Recreation Land Per Union Township Ordinance 30-6.3(b)c
Exempted. Any development that contains only one or two dwelling units shall be exempted.

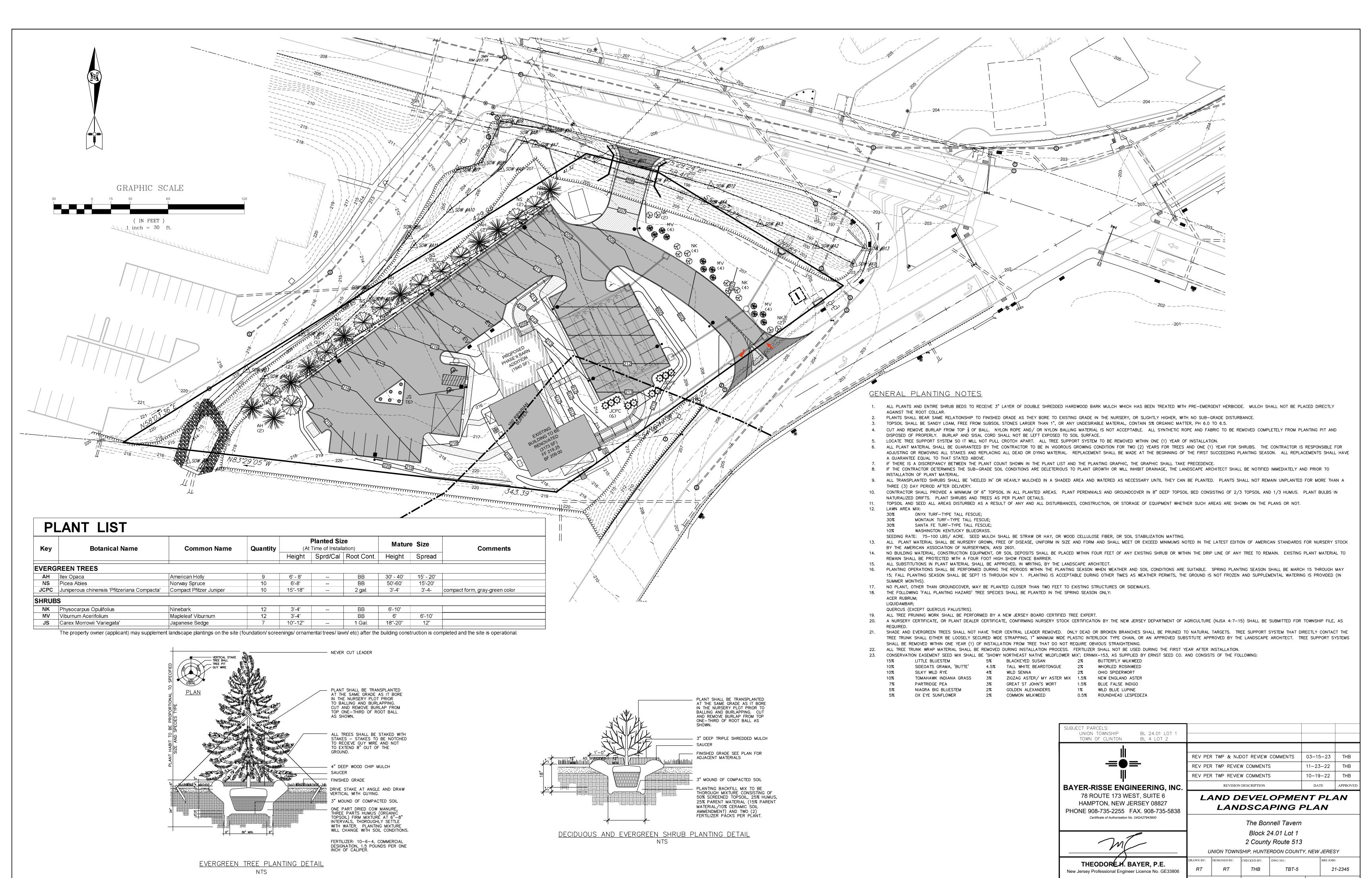
PARKING DATA TABLE					
PROPOSED USAGES	REQUIREMENTS (UNION TWP)	PROPOSAL	REQUIRED	PROVIDED	
PHASE I		_	-		
BRWERY	1 SP/ 220 SF GFA*	6162 SF	28 SPACES	57 SPACES	
PHASE II					
BRWERY	1 SP/ 220 SF GFA*	6162 SF	28 SPACES	57 SDACES	
BARN ADDITION	1 SP/ 200 SF GFA*	1396 SF	7 SPACES	57 SPACES	

* GROSS FLOOR AREA



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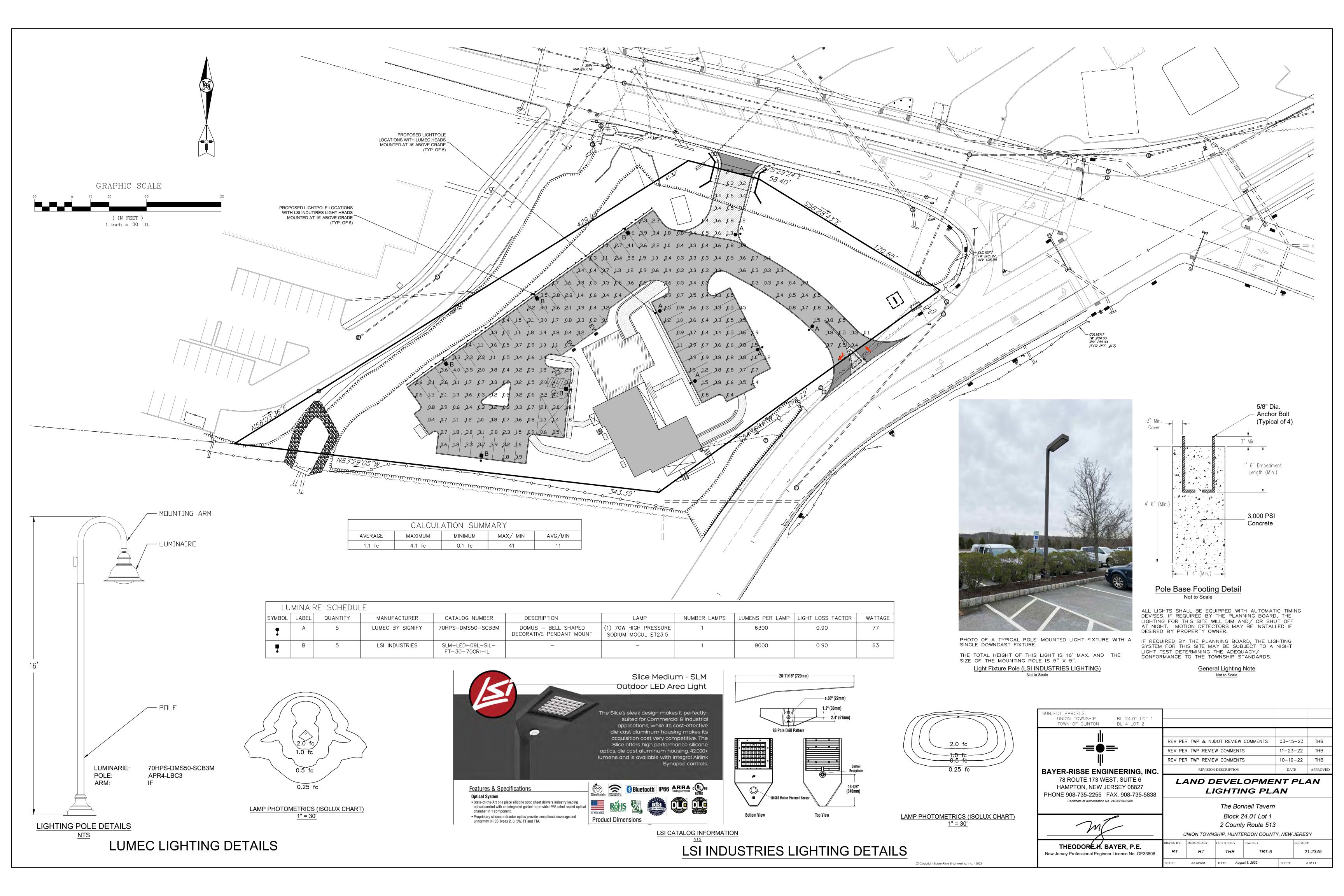


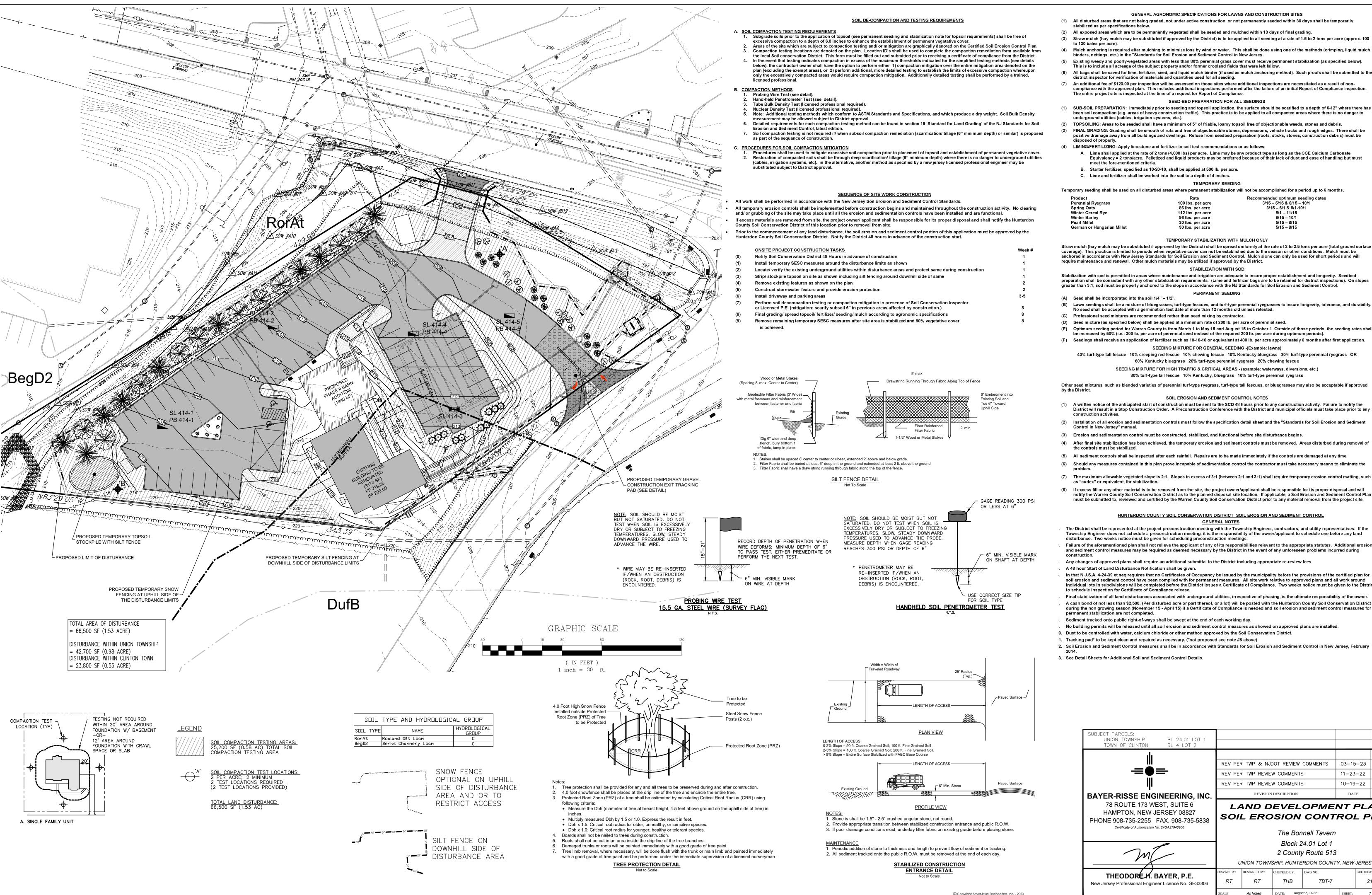


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As Noted

DATE: August 5, 2022





GENERAL AGRONOMIC SPECIFICATIONS FOR LAWNS AND CONSTRUCTION SITES

- (1) All disturbed areas that are not being graded, not under active construction, or not permanently seeded within 30 days shall be temporarily stabilized as per specifications below.
- (2) All exposed areas which are to be permanently vegetated shall be seeded and mulched within 10 days of final grading.
- (3) Straw mulch (hay mulch may be substituted if approved by the District) is to be applied to all seeding at a rate of 1.5 to 2 tons per acre (approx. 100
- Mulch anchoring is required after mulching to minimize loss by wind or water. This shall be done using one of the methods (crimping, liquid mulch
- binders, nettings, etc.) in the "Standards for Soil Erosion and Sediment Control in New Jersey (5) Existing weedy and poorly-vegetated areas with less than 80% perennial grass cover must receive permanent stabilization (as specified below).
- his is to include all acreage of the subject property and/or former cropland fields that were left fallow. (6) All bags shall be saved for lime, fertilizer, seed, and liquid mulch binder (if used as mulch anchoring method). Such proofs shall be submitted to the
- district inspector for verification of materials and quantities used for all seeding. (7) An additional fee of \$120.00 per inspection will be assessed on those sites where additional inspections are necessitated as a result of non-

SEED-BED PREPARATION FOR ALL SEEDINGS

- compliance with the approved plan. This includes additional inspections performed after the failure of an initial Report of Compliance inspection. The entire project site is inspected at the time of a request for Report of Compliance.
- (1) SUB-SOIL PREPARATION: Immediately prior to seeding and topsoil application, the surface should be scarified to a depth of 6-12" where there has been soil compaction (e.g. areas of heavy construction traffic). This practice is to be applied to all compacted areas where there is no danger to underground utilities (cables, irrigation systems, etc.).
- TOPSOILING: Areas to be seeded shall have a minimum of 5" of friable, loamy topsoil free of objectionable weeds, stones and debris.
- (3) FINAL GRADING: Grading shall be smooth of ruts and free of objectionable stones, depressions, vehicle tracks and rough edges. There shall be positive drainage away from all buildings and dwellings. Refuse from seedbed preparation (roots, sticks, stones, construction debris) must be
- (4) LIMING/FERTILIZING: Apply limestone and fertilizer to soil test recommendations or as follows;
- A. Lime shall applied at the rate of 2 tons (4,000 lbs) per acre. Lime may be any product type as long as the CCE Calcium Carbonate Equivalency = 2 tons/acre. Pelletized and liquid products may be preferred because of their lack of dust and ease of handling but must

 - B. Starter fertilizer, specified as 10-20-10, shall be applied at 500 lb. per acre. C. Lime and fertilizer shall be worked into the soil to a depth of 4 inches.

TEMPORARY SEEDING

Temporary seeding shall be used on all disturbed areas where permanent stabilization will not be accomplished for a period up to 6 months.

Product	Rate	Recommended optimum seeding dates
Perennial Ryegrass	100 lbs. per acre	3/15 - 5/15 & 8/15 - 10/1
Spring Oats	86 lbs. per acre	3/15 – 6/1 & 8/1 -10 /1
Winter Cereal Rye	112 lbs. per acre	8/1 – 11/15
Winter Barley	96 lbs. per acre	8/15 – 10/1
Pearl Millet	20 lbs. per acre	5/15 – 8/15
German or Hungarian Millet	30 lbs. per acre	5/15 – 8/15

TEMPORARY STABILIZATION WITH MULCH ONLY

Straw mulch (hay mulch may be substituted if approved by the District) shall be spread uniformly at the rate of 2 to 2.5 tons per acre (total ground surface coverage). This practice is limited to periods when vegetative cover can not be established due to the season or other conditions. Mulch must be anchored in accordance with New Jersey Standards for Soil Erosion and Sediment Control. Mulch alone can only be used for short periods and will require maintenance and renewal. Other mulch materials may be utilized if approved by the District

STABILIZATION WITH SOD

Stabilization with sod is permitted in areas where maintenance and irrigation are adequate to insure proper establishment and longevity. Seedbed preparation shall be consistent with any other stabilization requirements. (Lime and fertilizer bags are to be retained for district inspections). On slopes greater than 3:1, sod must be properly anchored to the slope in accordance with the NJ Standards for Soil Erosion and Sediment Control.

PERMANENT SEEDING (A) Seed shall be incorporated into the soil 1/4" – 1/2".

- (B) Lawn seedings shall be a mixture of bluegrasses, turf-type fescues, and turf-type perennial ryegrasses to insure longevity, tolerance, and durability.
- No seed shall be accepted with a germination test date of more than 12 months old unless retested.
- (C) Professional seed mixtures are recommended rather than seed mixing by contractor.
- (D) Seed mixture (as specified below) shall be applied at a minimum rate of 200 lb. per acre of perennial seed.
- (E) Optimum seeding period for Warren County is from March 1 to May 15 and August 15 to October 1. Outside of those periods, the seeding rates shall be increased by 50% (i.e.: 300 lb. per acre of perennial seed instead of the required 200 lb. per acre during optimum periods).
 - SEEDING MIXTURE FOR GENERAL SEEDING -(Example: lawns)

40% turf-type tall fescue 10% creeping red fescue 10% chewing fescue 10% Kentucky bluegrass 30% turf-type perennial ryegrass OR 60% Kentucky bluegrass 20% turf-type perennial ryegrass 20% chewing fescue

SEEDING MIXTURE FOR HIGH TRAFFIC & CRITICAL AREAS - (example: waterways, diversions, etc.)

80% turf-type tall fescue 10% Kentucky, bluegrass 10% turf-type perennial ryegrass

Other seed mixtures, such as blended varieties of perennial turf-type ryegrass, turf-type tall fescues, or bluegrasses may also be acceptable if approved

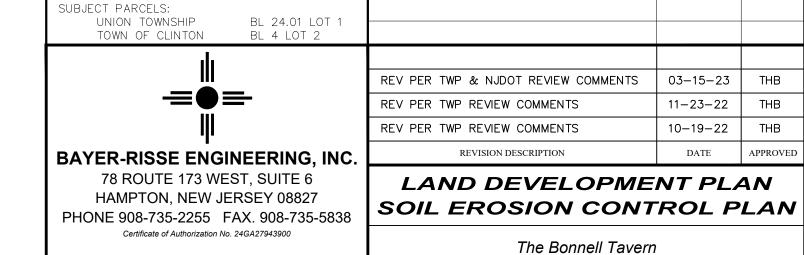
SOIL EROSION AND SEDIMENT CONTROL NOTES (1) A written notice of the anticipated start of construction must be sent to the SCD 48 hours prior to any construction activity. Failure to notify the District will result in a Stop Construction Order. A Preconstruction Conference with the District and municipal officials must take place prior to any

(2) Installation of all erosion and sedimentation controls must follow the specification detail sheet and the "Standards for Soil Erosion and Sediment Control in New Jersey" manual.

- (3) Erosion and sedimentation control must be constructed, stabilized, and functional before site disturbance begins.
- (5) All sediment controls shall be inspected after each rainfall. Repairs are to be made immediately if the controls are damaged at any time.
- (6) Should any measures contained in this plan prove incapable of sedimentation control the contractor must take necessary means to eliminate the
- (7) The maximum allowable vegetated slope is 2:1. Slopes in excess of 3:1 (between 2:1 and 3:1) shall require temporary erosion control matting, such
- as "curlex" or equivalent, for stabilization. (8) If excess fill or any other material is to be removed from the site, the project owner/applicant shall be responsible for its proper disposal and will
- notify the Warren County Soil Conservation District as to the planned disposal site location. If applicable, a Soil Erosion and Sediment Control Plan must be submitted to, reviewed and certified by the Warren County Soil Conservation District prior to any material removal from the project site.

HUNTERDON COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES

- The District shall be represented at the project preconstruction meeting with the Township Engineer, contractors, and utility representatives. If the Township Engineer does not schedule a preconstruction meeting, it is the responsibility of the owner/applicant to schedule one before any land
- disturbance. Two weeks notice must be given for scheduling preconstruction meetings. Failure of the aforementioned plan shall not relieve the applicant of any of its responsibilities relevant to the appropriate statutes. Additional erosion
- and sediment control measures may be required as deemed necessary by the District in the event of any unforeseen problems incurred during
- Any changes of approved plans shall require an additional submittal to the District including appropriate re-review fees.
- A 48 hour Start of Land Disturbance Notification shall be given.
- In that N.J.S.A. 4-24-39 et seq requires that no Certificates of Occupancy be issued by the municipality before the provisions of the certified plan for soil erosion and sediment control have been complied with for permanent measures. All site work relative to approved plans and all work around individual lots in subdivisions will be completed before the District issues a Certificate of Compliance. Two weeks notice must be given to the District to schedule inspection for Certificate of Compliance release.
- Final stabilization of all land disturbances associated with underground utilities, irrespective of phasing, is the ultimate responsibility of the owner. A cash bond of not less than \$2,500. (Per disturbed acre or part thereof, or a lot) will be posted with the Hunterdon County Soil Conservation District during the non growing season (November 15 - April 15) if a Certificate of Compliance is needed and soil erosion and sediment control measures for permanent stabilization are not completed
- Sediment tracked onto public right-of-ways shall be swept at the end of each working day.
- No building permits will be released until all soil erosion and sediment control measures as showed on approved plans are installed.
- 0. Dust to be controlled with water, calcium chloride or other method approved by the Soil Conservation District. 1. Tracking pad* to be kept clean and repaired as necessary. (*not proposed see note #8 above)
- 2. Soil Erosion and Sediment Control measures shall be in accordance with Standards for Soil Erosion and Sediment Control in New Jersey, February
- 3. See Detail Sheets for Additional Soil and Sediment Control Details



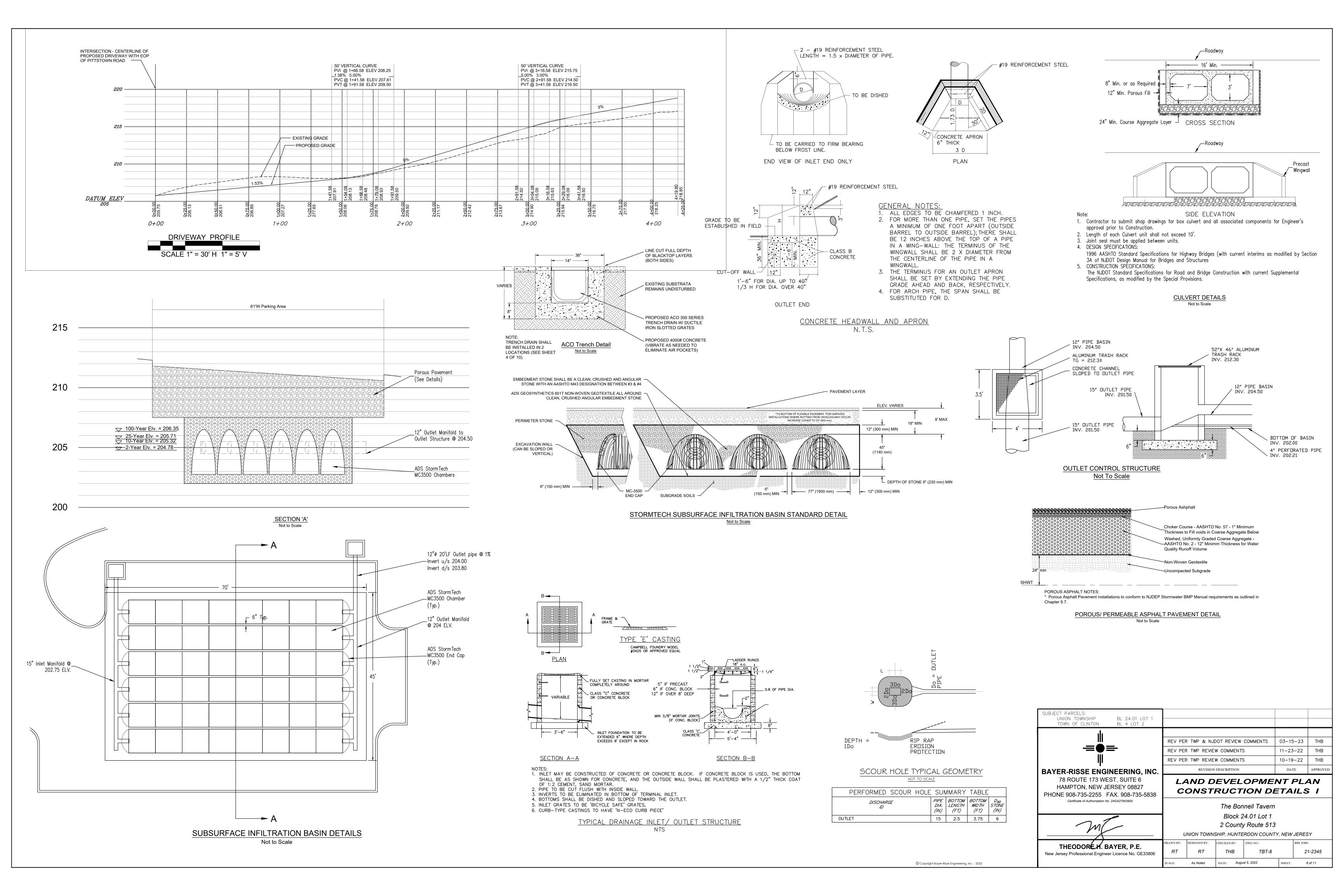
Block 24.01 Lot 1 2 County Route 513

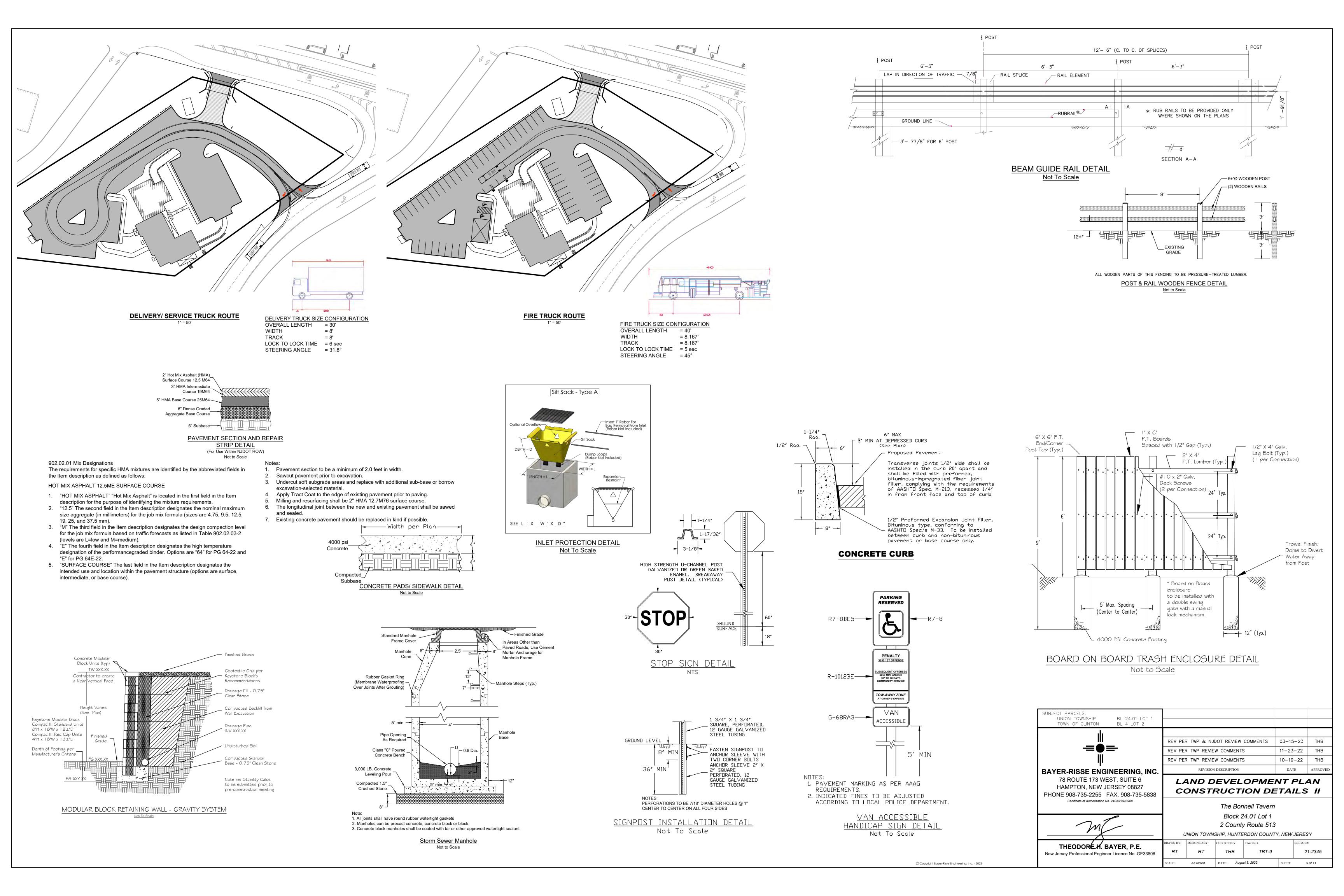
DATE: August 5, 2022

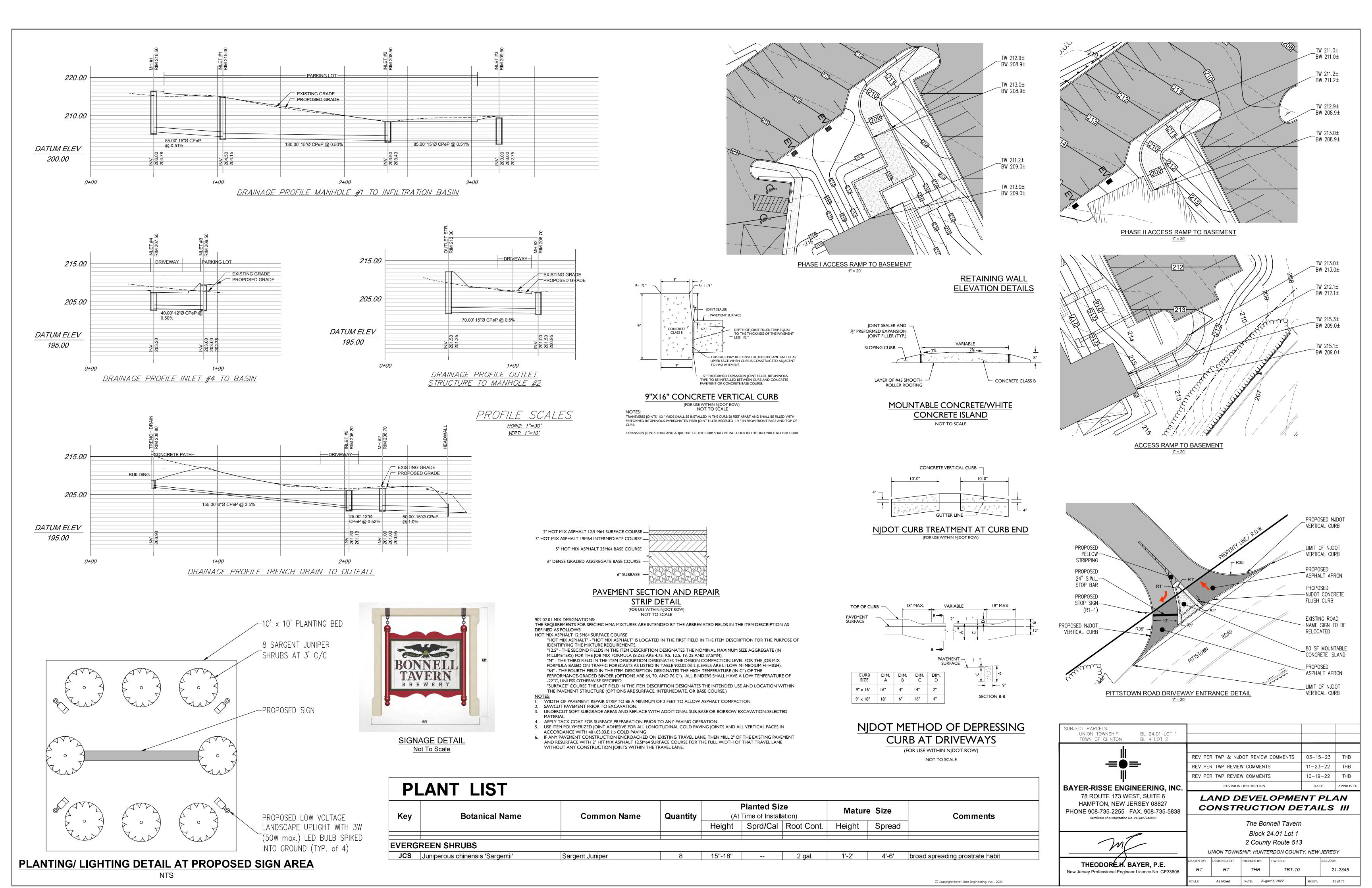
UNION TOWNSHIP, HUNTERDON COUNTY, NEW JERESY THEODOREM. BAYER, P.E. RT THB TBT-7 21-2345 New Jersey Professional Engineer Licence No. GE33806

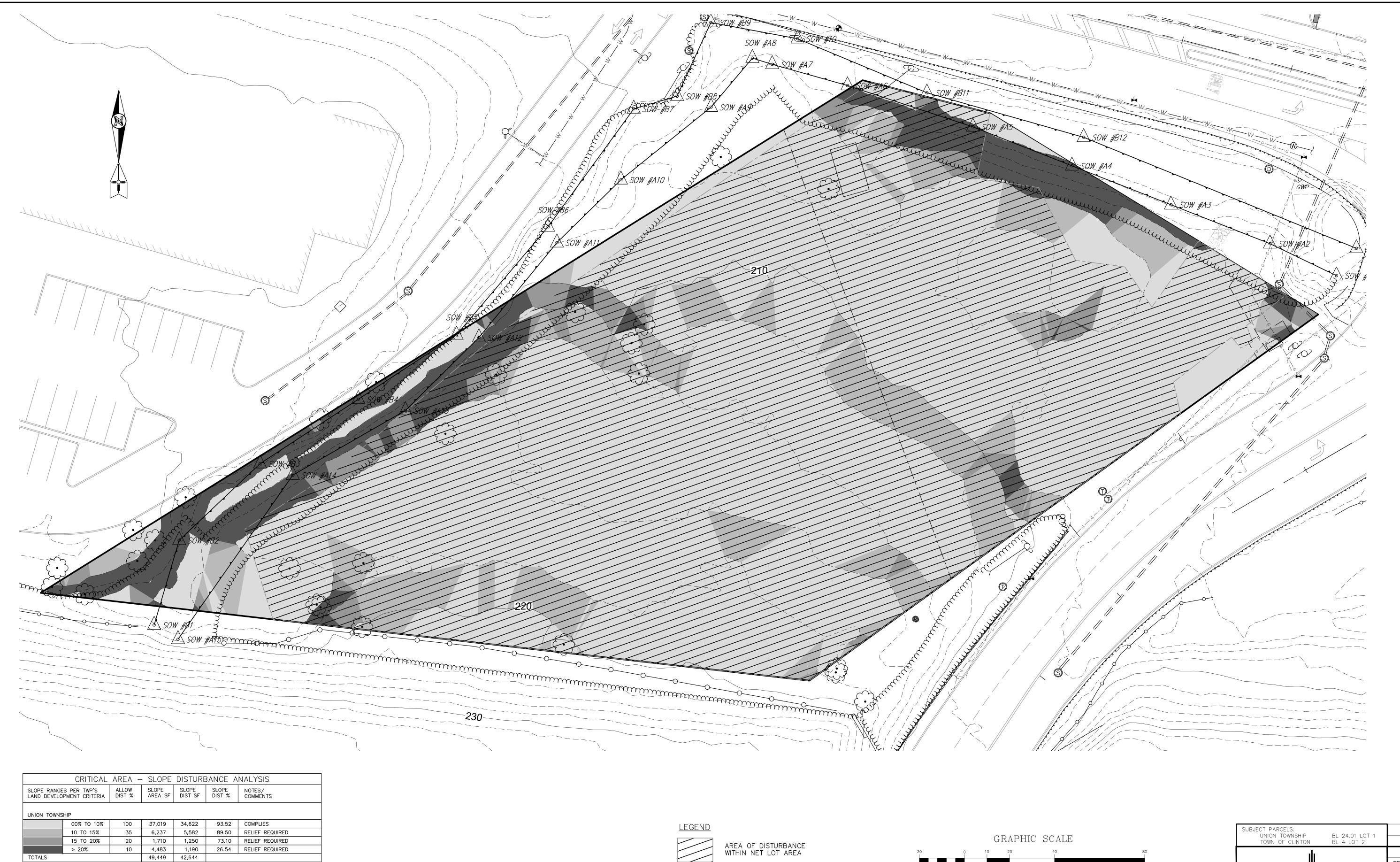
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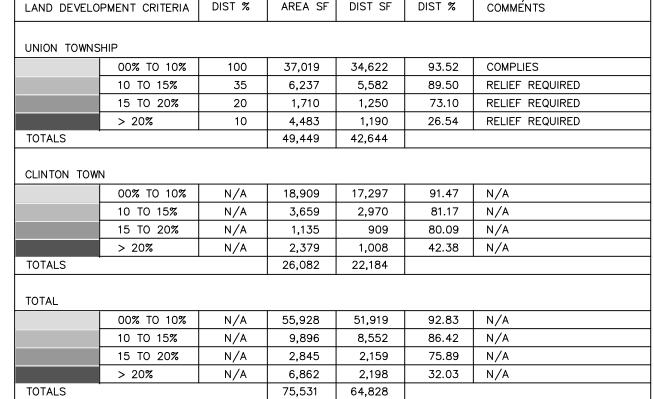
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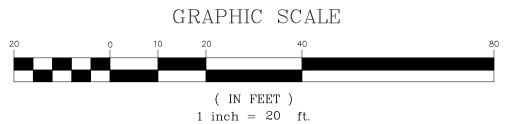












78 ROUTE 173 WEST, SUITE 6 HAMPTON, NEW JERSEY 08827 PHONE 908-735-2255 FAX. 908-735-5838 Certificate of Authorization No. 24GA27943900	SLOPE STUDY I	PLAN	4 <i>N</i>	
BAYER-RISSE ENGI	NEERING, INC.	REVISION DESCRIPTION	DATE	APPROVED
		REV PER TWP REVIEW COMMENTS	10-19-22	THB
	=	REV PER TWP REVIEW COMMENTS	11-23-22	THB
		REV PER TWP & NJDOT REVIEW COMMENTS	03-15-23	THB
ili				
UNION TOWNSHIP TOWN OF CLINTON	BL 24.01 LOT 1 BL 4 LOT 2			
SUBJECT PARCELS:				

The Bonnell Tavern Block 24.01 Lot 1 2 County Route 513 UNION TOWNSHIP, HUNTERDON COUNTY, NEW JERESY

THEODOREH. BAYER, P.E. New Jersey Professional Engineer Licence No. GE33806

RT DATE: August 5, 2022 As Noted

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