

AMENDED PRELIMINARY & FINAL SITE PLAN PROPOSED 7 TOWNHOUSES

LOTS 6.01, 6.02, 6.03 BLOCK 43 BOROUGH OF ALPINE BERGEN COUNTY, NEW JERSEY

LIST OF PROPERTY OWNERS WITHIN 200'

BLOCK	LOT	QUAL	CLA	PROPERTY OWNER		PROPERTY LOCATION	
40	6		2	KAO, JEH-LI PO BOX 561 ALPINE, NJ	07620	38 DUBOIS AVENUE	<u>UTILITIES</u>
41	1		15c	BOROUGH OF ALPINE 100 CHURCH STREET ALPINE, NJ	07620	100 CHURCH STREET	Suez Water New Jersey, 461 From Road, Suite 40 Paramus, NJ 07652
41	3		2	PARK, JUNG K. & CAROLINE PO BOX 1133 ALPINE, NJ	Y. 07620	30 SCHOOL HOUSE LANE	PSE&G Manager Corporate Prop
41	4		2	INCONTRO, RICHARD & CHRI PO BOX 820 ALPINE NJ	STINE 07620	36 SCHOOL HOUSE LANE	80 Park Plaza, T6B Newark, NJ 07102
41	5		2	SAAL, ROBERT F. & JEANIN PO BOX 24 ALPINE, NJ	IE E. 07620	35 DUBOIS AVENUE	Verizon 540 Broad Street Newark, NJ 07101
41	6		2	ROH, SANGHO & JEEMIN 31 DUBOIS AVE ALPINE, NJ	07620	31 DUBOIS AVENUE	Rockland Electric Co. 390 West Route 59
42	1		2	NOBACK, RALPH P. PO BOX 139 ALPINE, NJ	07620	57 SCHOOL HOUSE LANE	Spring Valley, NY 10977 Cablevision
42	1.01		1	NOBACK, RALPH T & NOBACK PO BOX 139 ALPINE, NJ	, PETER C 07620	CLOSTER DOCK ROAD	40 Potash Rd Oakland, New Jersey 074
43	3		4A	SHAW, HAROLD D III & MAR PO BOX 105 ALPINE, NJ	Y L ET ALS 07620	966 CLOSTER DOCK ROAD	County of Bergen One Bergen County Plaza Room 580
43	4		4A	MC CAFFREY, ROBERT & JOH PO BOX 411 ALPINE, NJ	N 07620	970 CLOSTER DOCK ROAD	Hackensack, NJ 07601-7 Bergen County Utilities A
43	5		2	MCCAFFREY, R. & MCCAFFER PO BOX 411 ALPINE, NJ	Y, J. & R. 07620	974 CLOSTER DOCK ROAD	PO Box 122 Little Ferry, NJ 07640
43	7		1	GIANNUZZI, LEWIS D. & G. PO BOX 631 ALPINE, NJ	L. 07620	990 CLOSTER DOCK ROAD	
43	8		2	GIANNUZZI, LEWIS D. & G. PO BOX 631 ALPINE, NJ	L. 07620	994 CLOSTER DOCK ROAD	
44	4		2	MALOVANY, ROBERT & MAURE 965 CLOSTER DOCK RD ALPINE, NJ	en 07620	965 CLOSTER DOCK ROAD	
44	5		2	CHAN, WEI LIK & PI-YU HS 971 CLOSTER DOCK RD ALPINE, NJ	u 07620	971 CLOSTER DOCK ROAD	
44	6		2	FABROCINI, JOHN & CLAUDI 21319 PROVIDENCE ST WOODLAND HILLS, CA	A 91364	13 MAIN STREET	
44	7		2	KIM, JOONG OK PO BOX 502 ALPINE, NJ	07620	17 MAIN STREET	
47	1		2	GARABET, LEON 938 CLOSTER DOCK RD ALPINE, NJ	07620	987 CLOSTER DOCK ROAD	

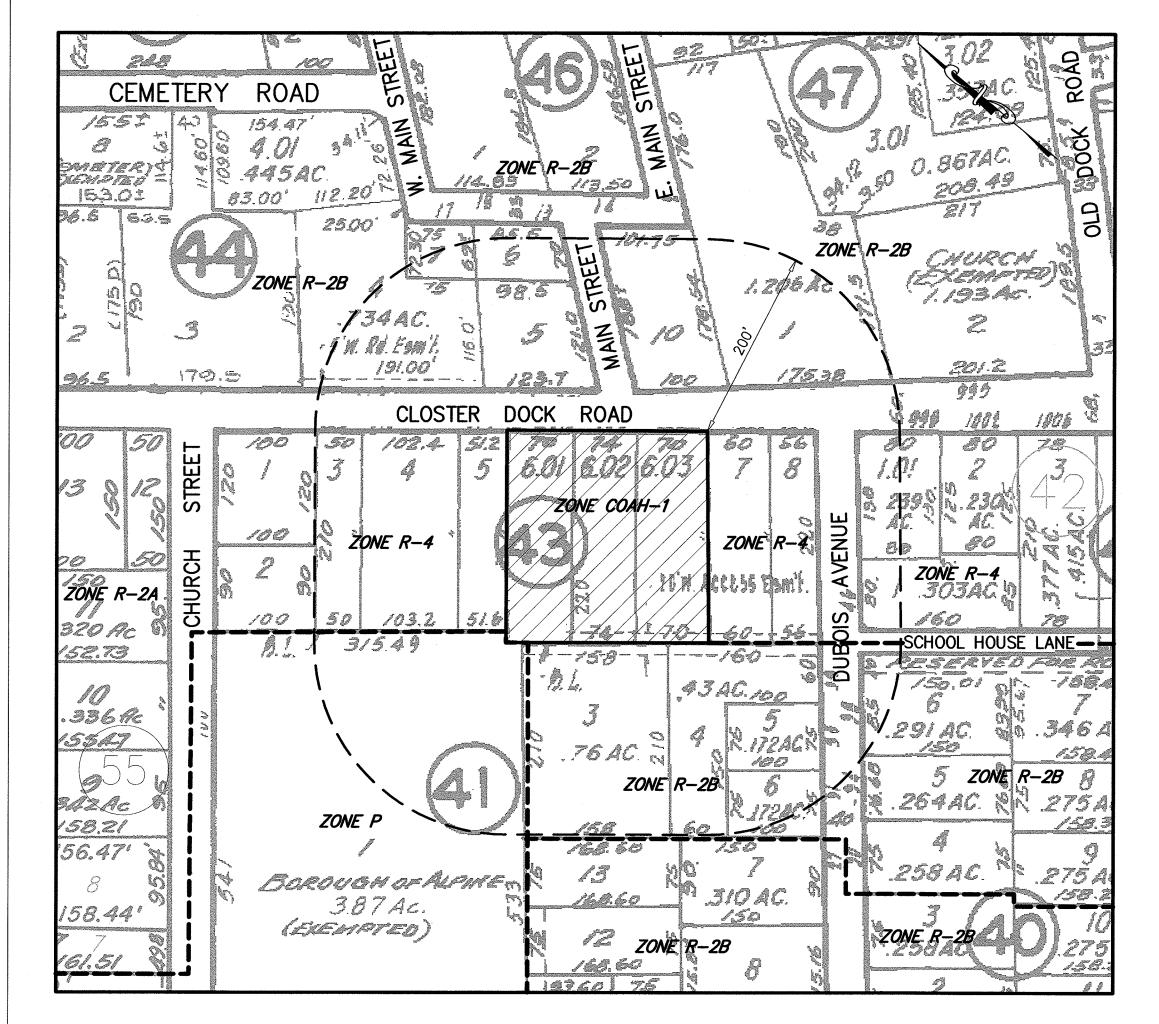
HSBC BANK USA NA 3476 STATEVIEW BLVD FORT MILL, SC

TILITIES ez Water New Jersey, Inc. 1 From Road, Suite 400 ramus, NJ 07652 anager Corporate Properties O Park Plaza, T6B ewark, NJ 07102

40 Broad Street ewark, NJ 07101 ockland Electric Co. 0 West Route 59 oring Valley, NY 10977

) Potash Rd akland, New Jersey 07436 ounty of Bergen ne Bergen County Plaza

ackensack, NJ 07601-7076 rgen County Utilities Authority (If sewer connection)



TAX MAP SHEET No. 4

KEY MAP

ENGINEERS - PLANNERS - SURVEYORS 263A SOUTH WASHINGTON AVENUE, BERGENFIELD, NJ 07621 201-384-5666

979 CLOSTER DOCK ROAD

NGINEERING, P.A.

May 22, 2019

DRAWING SCHEDULE

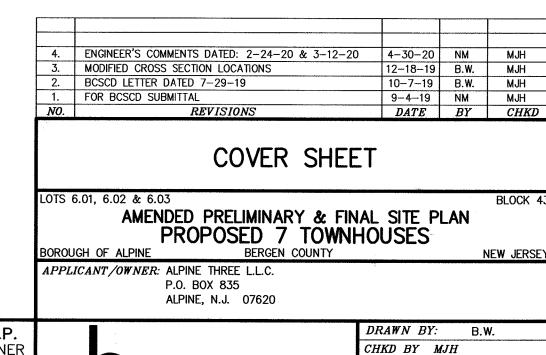
<u>DWG</u>	TITLE	REVISION
495-40	COVER SHEET	4-30-20
495-41	SITE PLAN	4-30-20
495-42	GRADING, DRAINAGE & UTILITY PLAN	4-30-20
495-43	DETAILS	4-30-20
495-44	DETAILS	4-30-20
495-45	STORMWATER SYSTEM DETAILS	4-30-20
495-46	LIGHTING PLAN	
495-47	SOIL EROSION & SEDIMENT CONTROL PLAN	4-30-20
495-48	EXISTING CONDITIONS PLAN; TREES TO BE REMOVED PLAN	4-30-20
495-49	PROFILE - CLOSTER DOCK ROAD	
495-50	STORM SEWER PROFILE; SANITARY SEWER PROFILE	10-7-19

SOIL MOVING CROSS SECTIONS

495-51	CROSS	SECTIONS	AND	SOIL	MOVING	PROFILE	0+38W TO 1+02W	4-30-20
495-52	CROSS	SECTIONS	AND	SOIL	MOVING	PROFILE	1+22E TO 1+74W	4-30-20
495-53	CROSS	SECTIONS	AND	SOIL	MOVING	PROFILE	1+96E TO 3+32W	4-30-20

APPLICANT:

ALPINE THREE L.L.C. P.O. BOX 835 ALPINE, NEW JERSEY



SCALE:

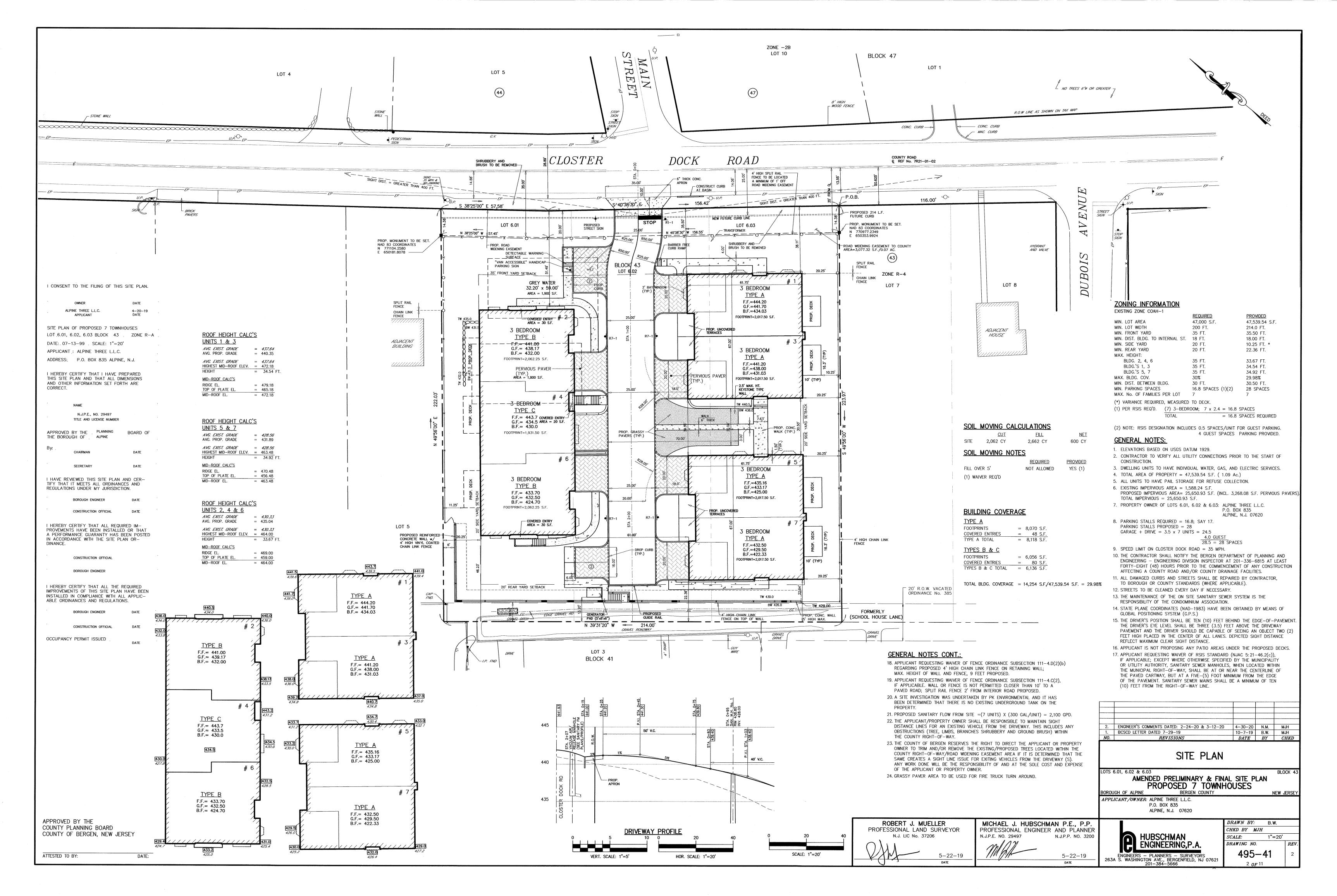
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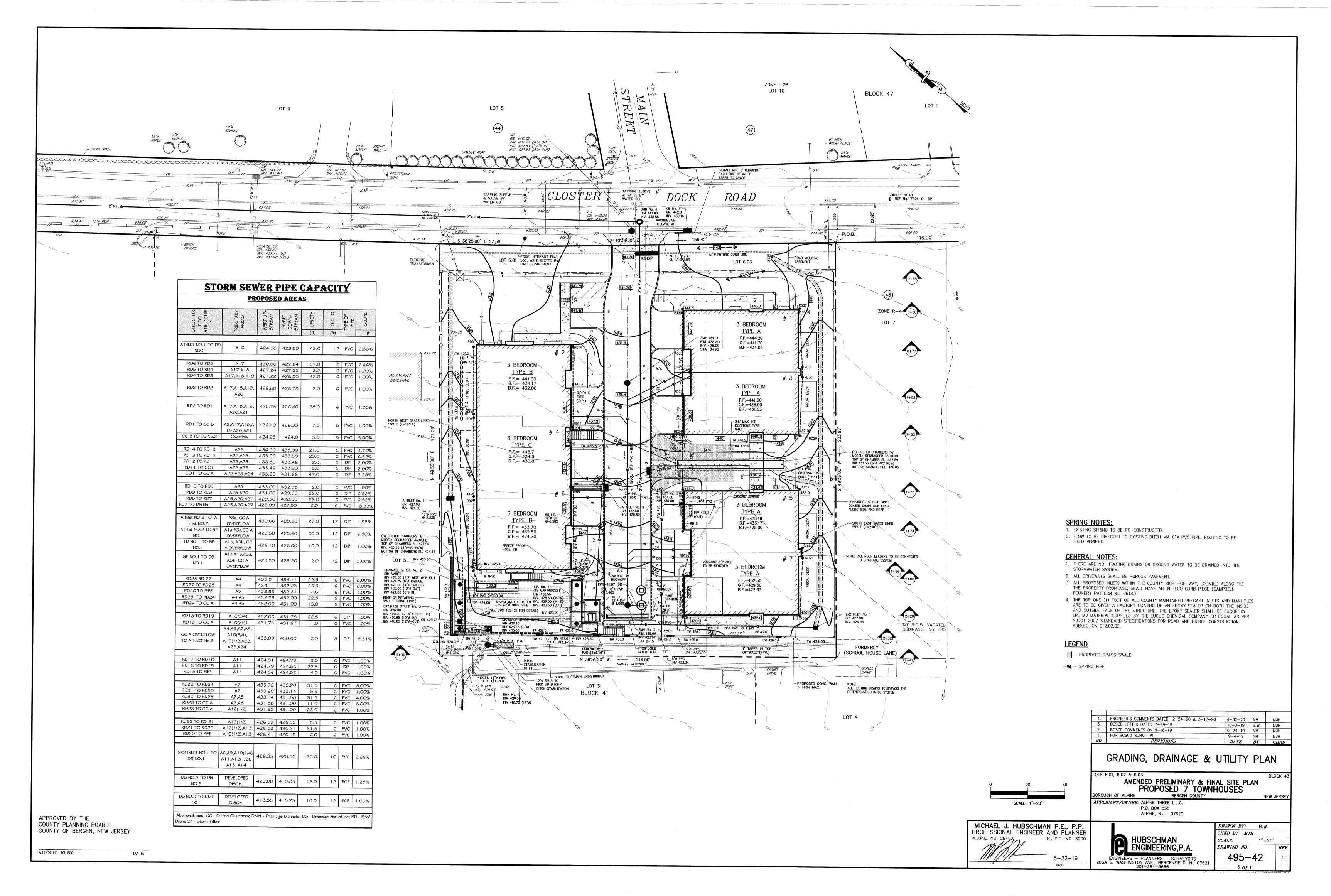
495-40

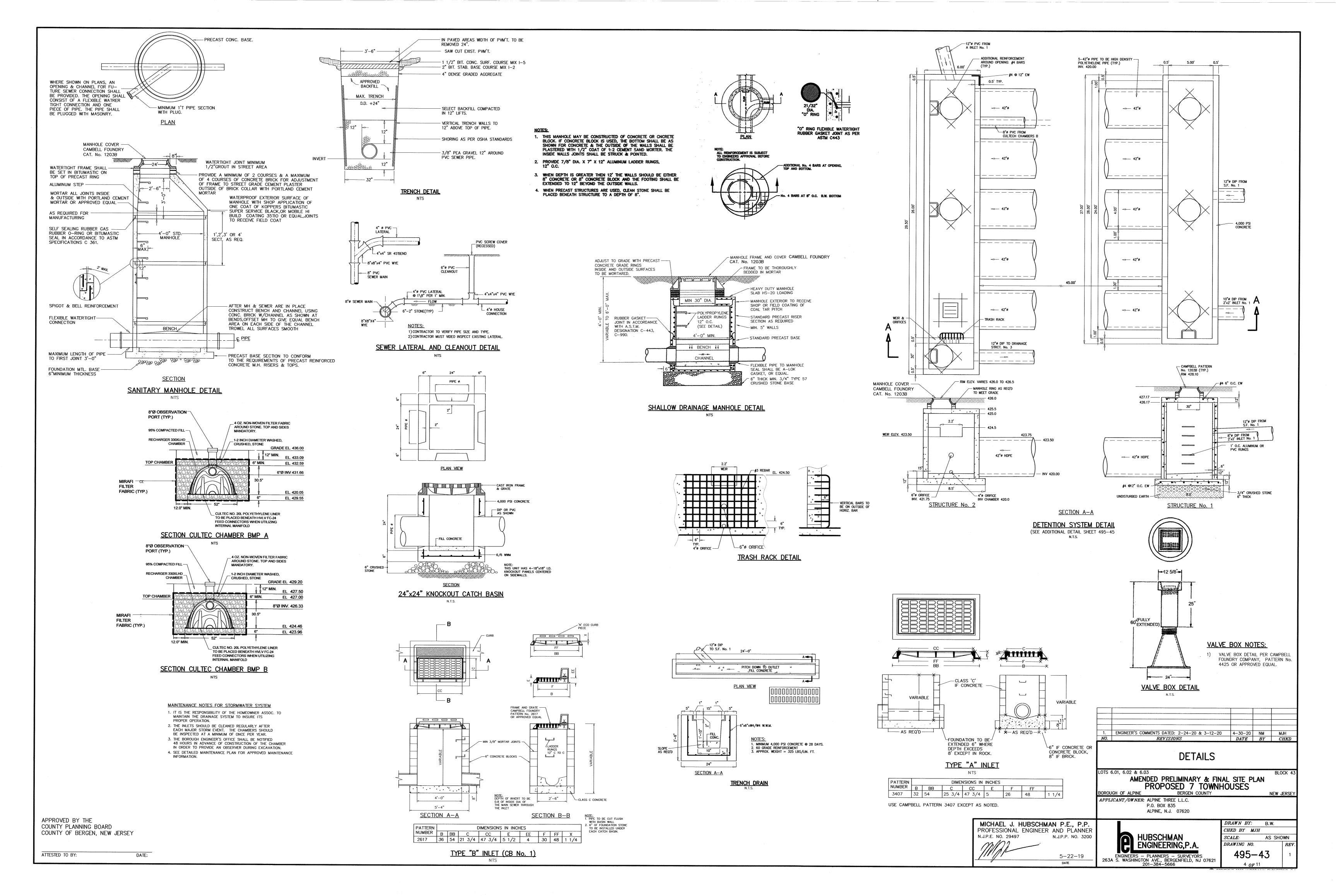
1"=20'

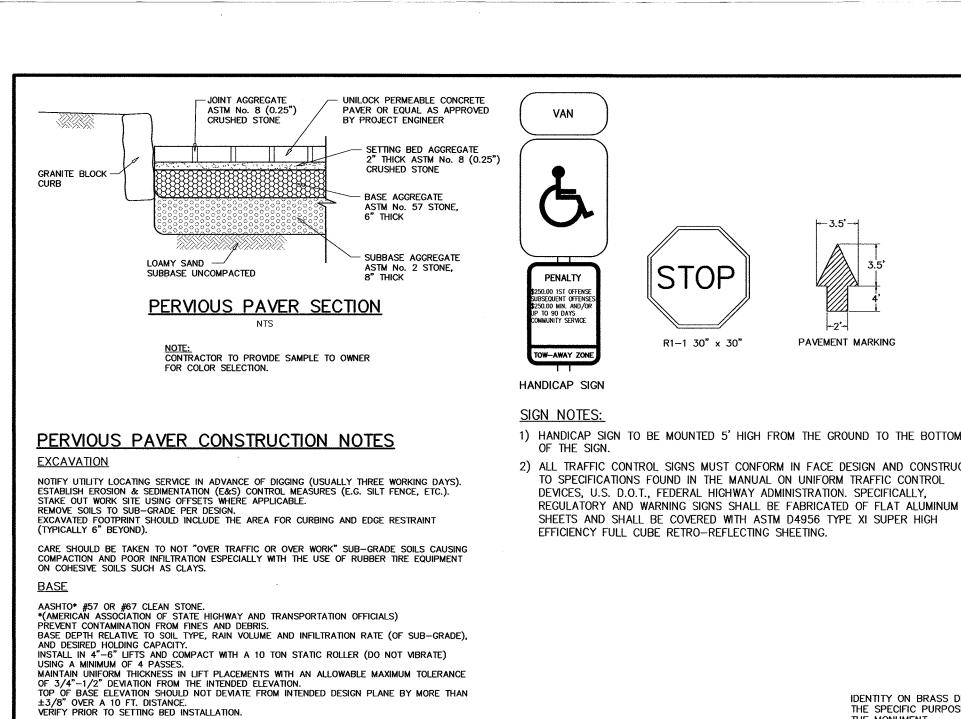
MICHAEL J. HUBSCHMAN P.E., P.P. PROFESSIONAL ENGINEER AND PLANNER N.J.P.E. NO. 29497 N.J.P.P. NO. 3200 5-22-19











SETTING BED

AASHTO #8 CLEAN STONE.
PREVENT CONTAMINATION FROM FINES AND DEBRIS.
INSTALL TO A 2" THICKNESS; CAN BE INSTALLED USING SCREEDS AND RAILS; IF SO REMOVE RAILS AND FILL IN VOIDS PRIOR TO PAVING.
COMPACT USING THE 10 TON STATIC ROLLER MINIMUM 4 PASSES. **PAVING**

LAY UNITS HAND TIGHT TO DESIGNATED LAYING PATTERNS; UNITS HAVE LUGS TO MAINTAIN CONSISTENT JOINT WIDTH; IN SLOPED APPLICATIONS, LAY UPHILL. IF LEVEL, START WHERE MOST PRODUCTION CAN BE ACHIEVED. IN VEHICULAR APPLICATIONS, PATTERN STRENGTH WILL INCREASE IF LAYING PATTERN IS AT 45 DEGREES TO TRAFFIC FLOW (AVOID HORIZONTAL JOINTS AS MUCH AS POSSIBLE). WHEN USING CUT PIECES, MAINTAIN JOINT.
AVOID USING PIECES SMALLER THAN 3/8" WIDE.

CHAMFERED EDGE-

24" LONG #4 REBAR

CLASS 'A'-

CONCRETE

EDGE RESTRAINT POUR CONCRETE CURB TO BOTTOM OF EXCAVATION OR TOP OF BASE, NOT ON SETTING BED (PER DESIGN CRITERIA).
PLACE BELGIK OR PIETRA TO DESIRED GRADE ON WET CONCRETE.
REINFORCE CONCRETE BEHIND CURB TO A MINIMUM 6" TAPER.

JOINT FILL

AASHTO #8 CLEAN STONE. PREVENT CONTAMINATION FROM FINES AND DEBRIS. SWEEP STONE TO FILL JOINTS.

POST INSTALLATION PROTECTION

VIBRATE WITH A 5,000 LB. CENTRIFUGAL FORCE RATED MACHINE TO ENSURE JOINTING STONE CONSOLIDATION. STREET AND VIBRATE AGAIN AS NEEDED TO ESTABLISH COMPLETELY FILLED JOINTS. USE "PUTTY KNIFE" TEST TO ENSURE JOINTS ARE FULL. AVOID DAMAGE TO PAVING UNITS FROM COMPACTOR BY USE OF RUBBER ROLLER KITS, PLATE PADS, ETC.

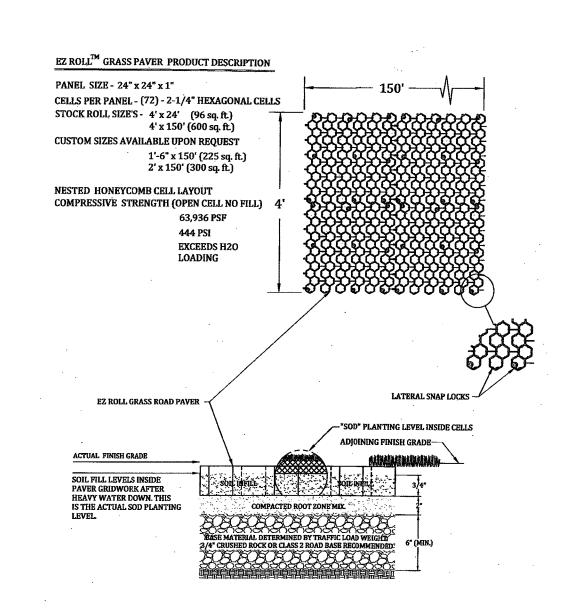
PREVENT CONTAMINATION OF YOUR POROUS (PERMEABLE) PAVEMENT SYSTEM FROM FINES AND DEBRIS BY MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES AT THE PERIMETER REMOVE CLOGGED JOINTS AND REPLACE (WHEN NECESSARY).

PERMEABLE PAVEMENT SYSTEMS REQUIRE PERIODIC CLEANING TO MAINTAIN THE INFILTRATION RATE, AND CARE MUST BE TAKEN DURING CONSTRUCTION TO KEEP SEDIMENT OFF THE

AFTER CONSTRUCTION. THE SURFACE OF THE PAVERS SHOULD BE VACUUMED UTILIZING STREET VACUUM-TYPE STREET CLEANING DEVICE OR A SHOP VAC PRIOR TO FINAL INSPECTION AND CERTIFICATION BY THE SITE ENGINEER. THE SITE ENGINEER WILL CONDUCT A PERMEABILITY TEST ON THE PAVERS TO ENSURE THAT THE PRODUCT IS BEING DELIVERED AS SPECIFIED.

PERIODIC MAINTENANCE IS REQUIRED TO ENSURE PROPER OPERATION OF THE SYSTEM. THE PAVERS SHOULD BE VACUUMED A MINIMUM OF ONCE PER YEAR TO REMOVE ANY FINE PARTICLES THAT MAY HAVE SETTLED WITHIN THE OPENINGS. VACUUM SETTINGS MAY REQUIRE ADJUSTMENT TO PREVENT THE UPTAKE OF AGGREGATE IN THE PAVEMENT OPENINGS AND JOINTS. THE SURFACE SHOULD BE DRY WHEN CLEANING. REPLENISHMENT OF THE JOINT AND OPENING AGGREGATE CAN BE DONE; IF NEEDED, AT THE TIME OF THE CLEANING. IT IS IMPORTANT TO KEEP THE DRAINAGE VOIDS AND JOINTS FILLED WITH AGGREGATE.

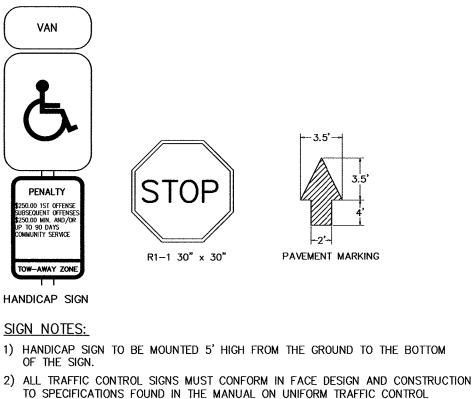
THE BOROUGH REQUIRES AN ANNUAL REPORT REGARDING THE MAINTENANCE OF THE PAVER



SOIL INFILL THE COMPOSITION OF THE MATERIAL WILL BE BASED ON LOCAL CONDITIONS AND DETERMINED BY THE LANDSCAPE ARCHITECT OR AS SPECIFIED IN THE

GRASS SEED OR SOD TYPE TO BE AS SPECIFIED IN THE CONTRACT DOCUMENTS OR BY DESIGN LANDSCAPE ARCHITECT TYPICAL EZ-ROLL GRASS PAVER DETAIL

APPROVED BY THE COUNTY PLANNING BOARD



IDENTITY ON BRASS DISC-THE SPECIFIC PURPOSE OF

THE MONUMENT

PUNCH MARK TO BE

CONTRACTOR'S SURVEYOR

SET IN THE FIXED

UNDISTURBED

BERGEN COUNTY SITE PLAN AND SUBDIVISION

MONUMENT INSTALLATION DETAILS.

4' HIGH VINYI COATED

CHAIN LINK FENCE W/ TOP AND BOTTOM RAIL

3/4" CHAMFER -

HORIZ. BARS 'H'

VERT. BARS 'V'

4"ø WEEP HOLES -

VERT, BARS '

STUCCO FACING

'PROP CORNER'
AND/OR

'10' ROAD WIDEN'G

'X OFFSET

ROUND OR SQUARE

THE MONUMENT SHOULD BE A PRE-CAST

CONCRETE UNIT WITH BRASS MARKER

ANCHORED THEREIN WITH 24" LONG

REBAR SET AT THE CONCRETE POUR

MARKER SHALL BE ENGRAVED WITH

SURVEYOR'S NAME & N.J. LICENSE

MARKER SHALL BE PUNCHED IN THE

IF THE POINT CANNOT BE SET, THE MONUMENT SHALL BE SET ON AN OFFSET AS COORDINATED WITH THE

THE MARKER SHALL BE ENGRAVED

THE SURVEYOR SHALL PROVIDE TH

COUNTY WITH A CERTIFIED DRAWING

WHICH INDICATES THE LOCATION OF

THE MONUMENT SHALL BE SET AS

FLUSH TO THE GROUND AS POSSIBLE WHILE REMAINING VISIBLE AS PER

PAVEMENT

3"CLR. | CONTINUOUS 3/4" GRAVEL APPROX

1'x1' ENCASED BY FILTER FABRIC

CONTINUOUS PIPE TO BE CONNECTED

TO AN APPROVED DISCHARGE LOCATION

ALL SIDES AND AGAINST WALL

COMPACTED, CONTROLLED-

P' BARS

'L' BARS

NOTE: REFER TO RETAINING WALI

SCHEDULE SHOWN BELOW

RETAINING WALL SCHEDULI

H MAX = 9' | 12" | 7'-0" | 5'-6" | 1'-0" | 0'-6" | #5 @ 12" | #6 @ 15" | #6 @ 15" | #6 @ 15" | #6 @ 15" | #6

WITH DESCRIPTION OF ITS'
PURPOSE, i.e. "PROP. CORNER".

"COR. 10' EASE." ECT.

EACH MONUMENT.

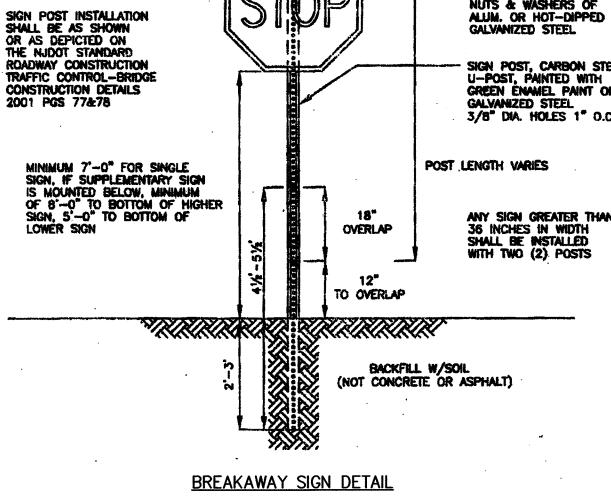
FIELD BY THE SRVEYOR.

THE MONUMENT MARKER SHALL BE 2"

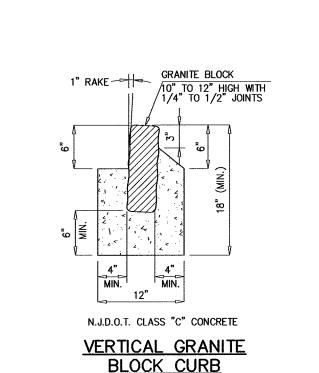
DIAMETER OR SQUARE & MADE OF BRASS.

MONUMENT MARKER

2.0 TO 2.5 #/FT



fastened with bolts nuts & Washers of SIGN POST, CARBON STEEL U-POST, PAINTED WITH GREEN ENAMEL PAINT OR GALVANIZED STEEL. 3/8" DIA. HOLES 1" O.C.



SIDEWALK GENERAL NOTES

RADIUS OF 1/4 INCH.

10) CONCRETE TO BE 4,000 P.S.I. MINIMUM.

1) SUBGRADE IS TO BE IN A MANNER SUITABLE TO THE MUNICIPAL ENGINEER.

2) EXPANSION JOINTS ARE TO BE 1/2" WIDE AND FILLED WITH PRE-FORMED HOT MIX ASPHALT TYPE JOINT FILLER. THE TOP OF ALL JOINT FILLER SHALL BE 1/4" BELOW THE TOP OF THE SURFACE. EXPANSION JOINT SHALL BE

3) BLIND JOINTS ARE TO BE SURFACE GROOVES CUT INTO SIDEWALK 1/2" DEEP AND SHALL BE LOCATED 10' ON CENTER.

4) CONTRACTOR SHALL COMPLY WITH SECTION 607.06 OF THE NJDOT SPECIFICATION.

MUNICIPAL ENGINEER WITH A DETAIL SHOWING JOINT PATTERN (BOTH BLIND AND EXPANSION JOINTS) FOR APPROVAL.

7) THE SURFACE OF THE CONCRETE SHALL BE SO FINISHED AS TO DRAIN COMPLETELY

WITH FLOATS AND STRAIGHT EDGES UNTIL A SMOOTH SURFACE HAS BEEN OBTAINED

9) ALL CONCRETE SURFACES SHALL BE TREATED WITH A CONCRETE CURING AND

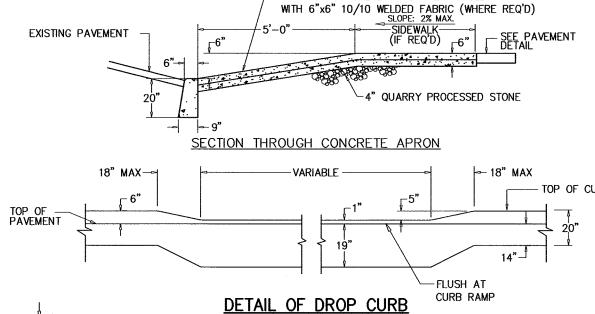
SEALING COMPOUND CONFORMING WITH SECTION 905.03 CURING MATERIALS, NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2001.

AT ALL TIMES.

8) CONCRETE SHALL BE STRUCK OFF WITH A TRANSVERSE TEMPLATE AND FINISHED

5) FOR SIDEWALK SECTIONS WIDER THAN 5', THE APPLICANT SHALL PROVIDE THE

6) ALL EDGES SHALL BE FINISHED AND ROUNDED WITH AN EDGING TOOL HAVE A



CONCRETE SIDEWA

PLAN VIEW

SECTION

SIDEWALK DETAIL

-1/2" EXPANSION >-BLIND JOINT

SLOPE: 2% MAX.

-6" THICK CONCRETE APRON REINFORCED

4" CLASS "B" CONCRETE

- 4" DENSE GRADED AGGREGATE

6"x6" 10/10 WIRE MESH ASTM A497

EXCEPT 6" THICK AT DRIVEWAYS-

-1/2" EXPANSION \(\rightarrow\)-BLIND JOINT

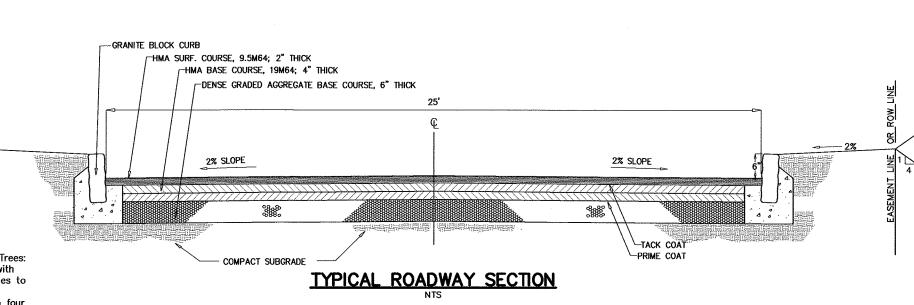
1. ALL CONCRETE FOR CURB FOOTING SHALL BE 4000 PSI AT 28 DAYS. 2. MECHANICALLY TAMP SOIL UNDER ALL CURB FOOTING, CONCRETE DRIVEWAY APRONS AND CONCRETE SIDEWALKS.

3. EXPANSION JOINTS, 1/2" WIDE, SHALL BE PROVIDED AT INTERVALS OF NOT MORE THAN 10' AND SHALL BE FILLED WITH PERFORATED BITUMINOUS JOINT FILTER, AASHO DESIGNATION M33

CONCRETE HEADER WHERE

PAVING DETAIL (ON SITE)

N.T.S.



NOTES; MINIMUM SOIL COMPACTION TECHNIQUE A. Newly Graded Subgrades and newly constructed areas- Not within Dripline of Existing Trees: 1. Loosen compacted subgrade with a subsoil ripping tool to a depth of 30 inches and with vertical trenches 24 inches apart. Run subsoil—ripping tool in two directions at right angles to $2. \ \, \text{Spread two-inch deep layer of topsoil over loosened subgrade. Mix thoroughly into top four } \\$ inches of subarade. 3. Spread topsoil to depths indicated but not less than required to meet finish grades after addition of amendments, light rolling and natural settlement. Do not spread if topsoil or subgrade is frozen, muddy, or excessively wet. Apply soil amendments and fertilizer on surface

and mix thoroughly into topsoil. 4. Spread two-inch deep layer of Compost over topsoil. Mix thoroughly into top six inches of 5. After light rolling and settlement, compact in 6-inch lifts and compact to 85% of maximum dry weight according to ASTM D 698, to depth required to meet grades, and elevations shown. B. Finish Grade: Grade planting beds to a smooth, even surface plane with loose, uniformly fine texture. Roll and rake, remove ridges, and fill depressions to meet finish grades. C. Stage installation of planting soil to avoid travel by equipment over placed topsoil or planting

D. Restore planting beds if eroded or otherwise disturbed after finish grading and before

ALTERNATE RAIL DETAIL — USE GALV THRIE BEAM.

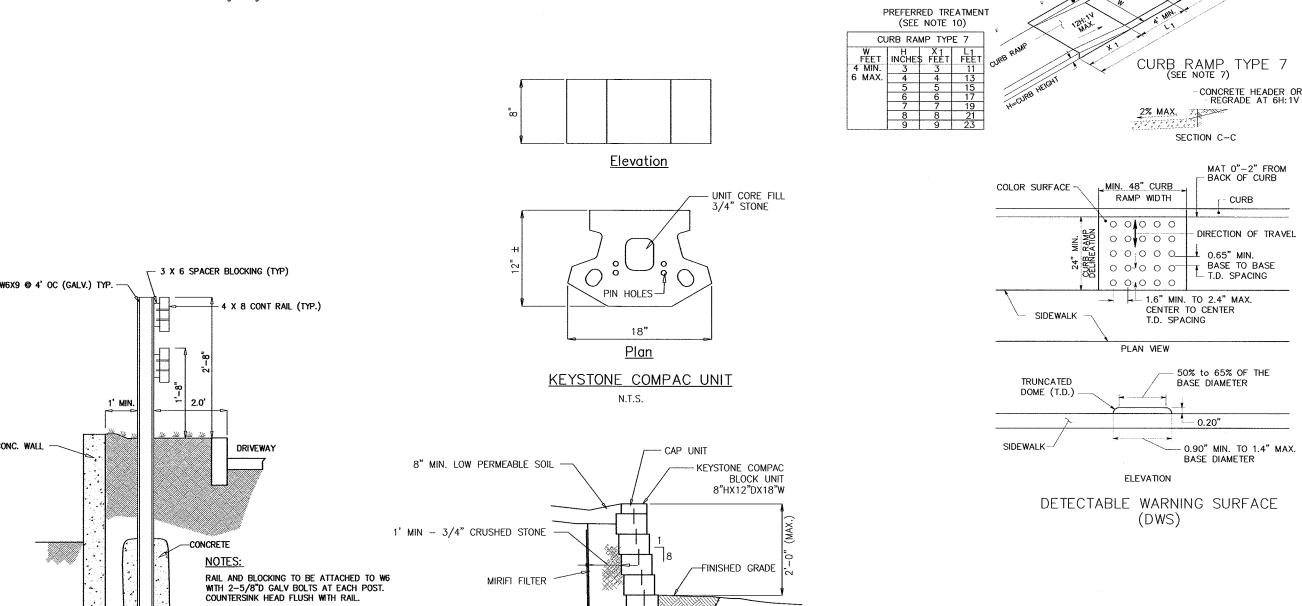
TOP OF RAIL TO BE MIN. 2'-8" ABOVE GRADE.

EXCAVATION LINE

LEVELING PAD

HMA SURF. COURSE, 9.5M64; 2" THICK -HMA BASE COURSE, 19M64; 4" THICK-

DENSE GRADED AGGREGATE-



MICHAEL J. HUBSCHMAN P.E., P.P. PROFESSIONAL ENGINEER AND PLANNER N.J.P.E. NO. 29497 N.J.P.P. NO. 3200

5-22-19

BERGEN COUNTY DEPARTMENT OF PLANNING & ECONOMIC DEVELOPMENT

JOINT REPORT ADDENDUM

In accordance with N.J.S.A. 40A:11-18 only manufactured products of the United States, wherever available, shall be used for work to be performed, as noted in Section C of the attached Joint Report, in the County right-of-way or other property belonging to the County.

Curb Specifications

Curb shall be Bergen County standard 8"x9"x20" with an 8" vertical face, or as required in the attached Joint Report. Curb shall be shaped and with joints as noted on standard detail drawing. Curb grades shall be set so that the new pavement widening shall be a 2% cross slope from the edge of the existing pavement to the new curb line.

Concrete shall be Class B air entrained. Cement shall be Type II or as approved by the County Engineer.

Road Specifications

Minimum specifications for payement to be installed on the subject County road(s) are as follows:

- (1) Sub-grade shall be shaped and compacted and when finished, it shall conform to the required grade and
- contour; then
- (2) Eight (8") inches of dense graded aggregate base course; then (3) Six (6") inches of superpave hot mix asphalt base course 19M64 in 2-3" lifts; then
- (4) Two (2") inches of superpave hot mix asphalt surface course 12.5M64.

All as specified in Section 401 of the 2007 N.J.D.O.T. Standard Specifications.

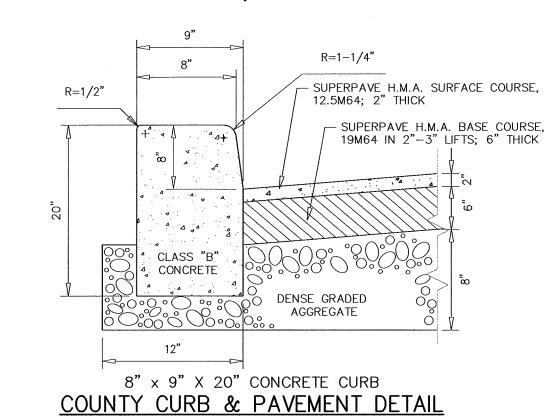
The geometric shape of the newly installed pavement shall have a 2% slope from the edge of the existing pavement to the new curb line or proposed edge of pavement and shall conform to proper design as approved by the County Engineer.

YOU ARE TO NOTIFY THE BERGEN COUNTY DEPARTMENT OF PUBLIC WORKS (Gary Hemmer @ 201-336-6815) AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AFFECTING COUNTY ROAD FACILITIES SO THAT THEY MAY HAVE AN INSPECTOR ON THE JOB DURING THE COURSE OF THE WORK.

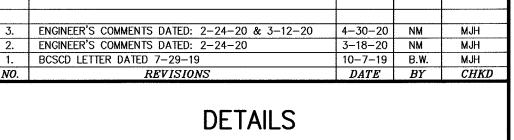
If they are not so notified and the work is completed without their inspection, certification by the Project Engineer as to the specifications used in construction will be required. You will be charged for any testing required by the County to confirm compliance with County specifications. Non-compliance with these specifications may result in complete rejection of work completed and a delay in the release of any performance guarantee.

No work affecting County roads shall be done on Saturdays, or holidays without prior permission from the Bergen County Operations Division. Also, be advised that the opening of County roads for utility installations, whether these roads are bonded under this real estate development or not, will not be permitted during the period of November 15 to March 15, inclusive in accordance with Sections 13 & 14 of the Application for Road Opening Permit.

The County reserves the right to impose such traffic regulations and controls as may, from time to time be necessary to assure the efficient and safe movement of traffic on the County road.



1.TURNING SPACE (LANDING AREA), APPROACH SIDEWALK TRANSITIONS, AND CURB RAMPS SHALL BE KEPT CLEAR OF OBSTRUCTIONS. 2. DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRASTICALLY IN AREA OF PROPOSED CURB RAMP. 3. CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMPS. 4.FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE 5. SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS. 6.CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND. CURB RAMP TYPE 7 SHOULD BE USED, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.



P.O. BOX 835

HUBSCHMAN

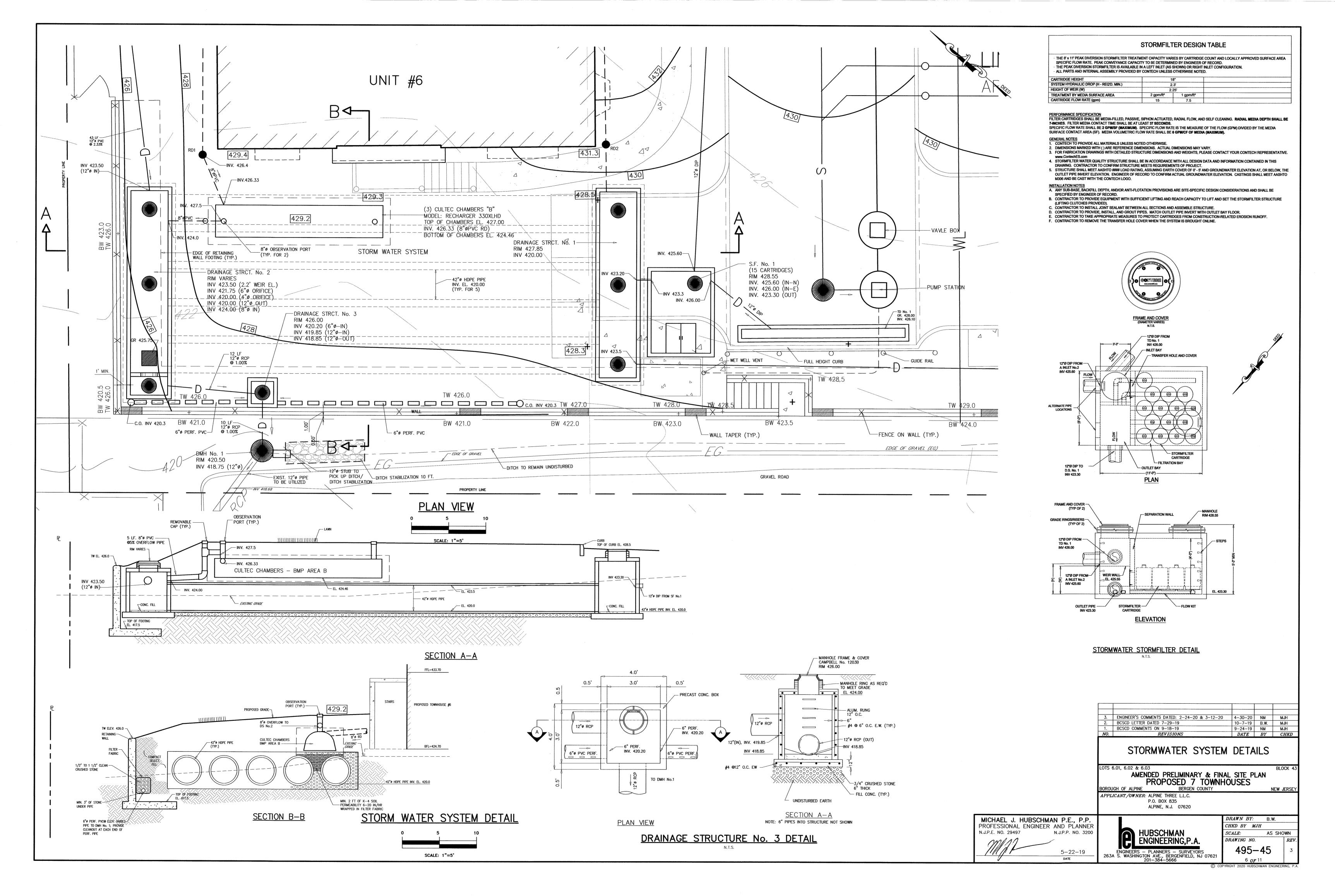
ALPINE, N.J. 07620

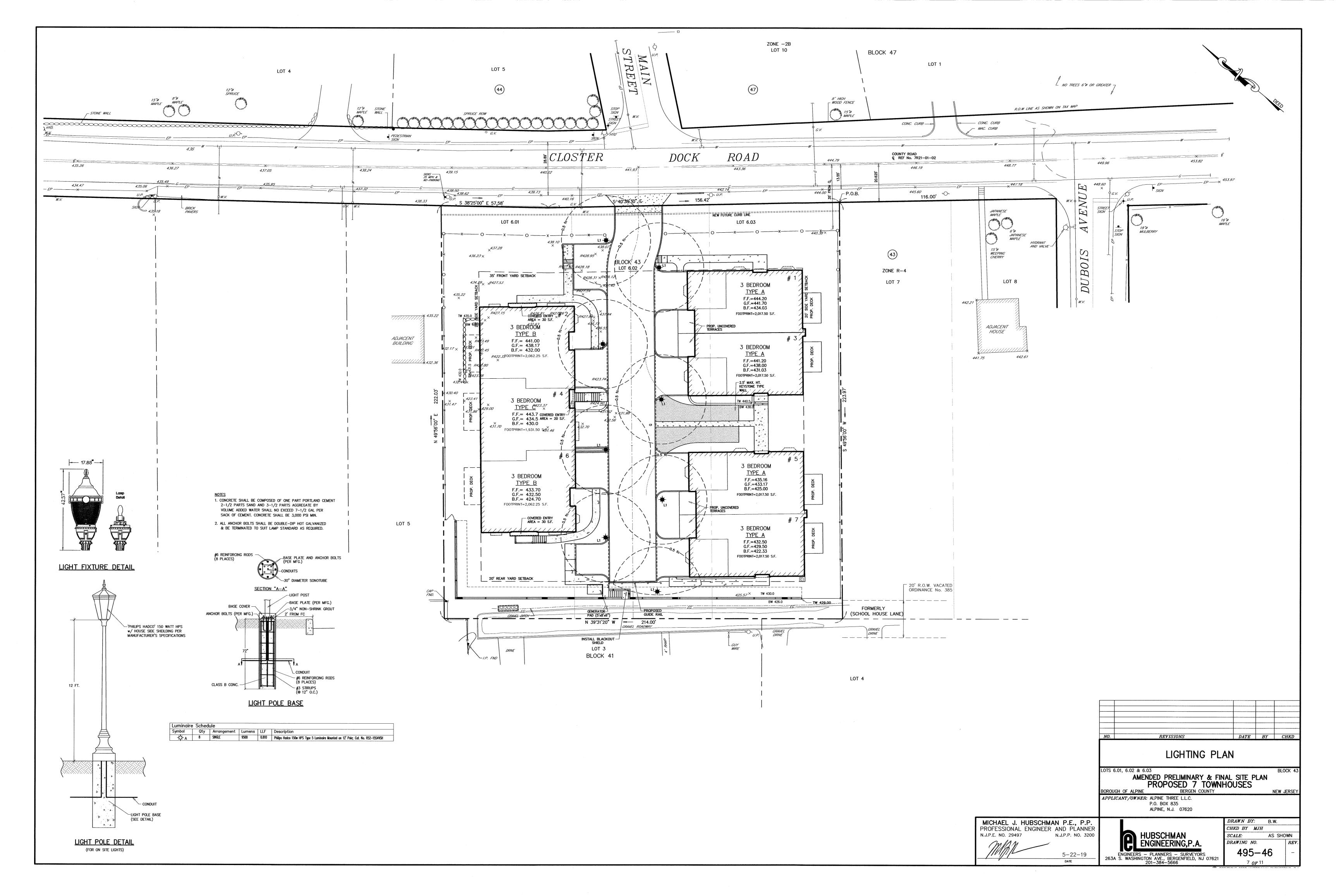
DRAWN BY: B.W. CHKD BY MJH SCALE: ENGINEERING,P.A DRAWING NO. ENGINEERS — PLANNERS — SURVEYORS 263A S. WASHINGTON AVE., BERGENFIELD, NJ 07621 201—384—5666

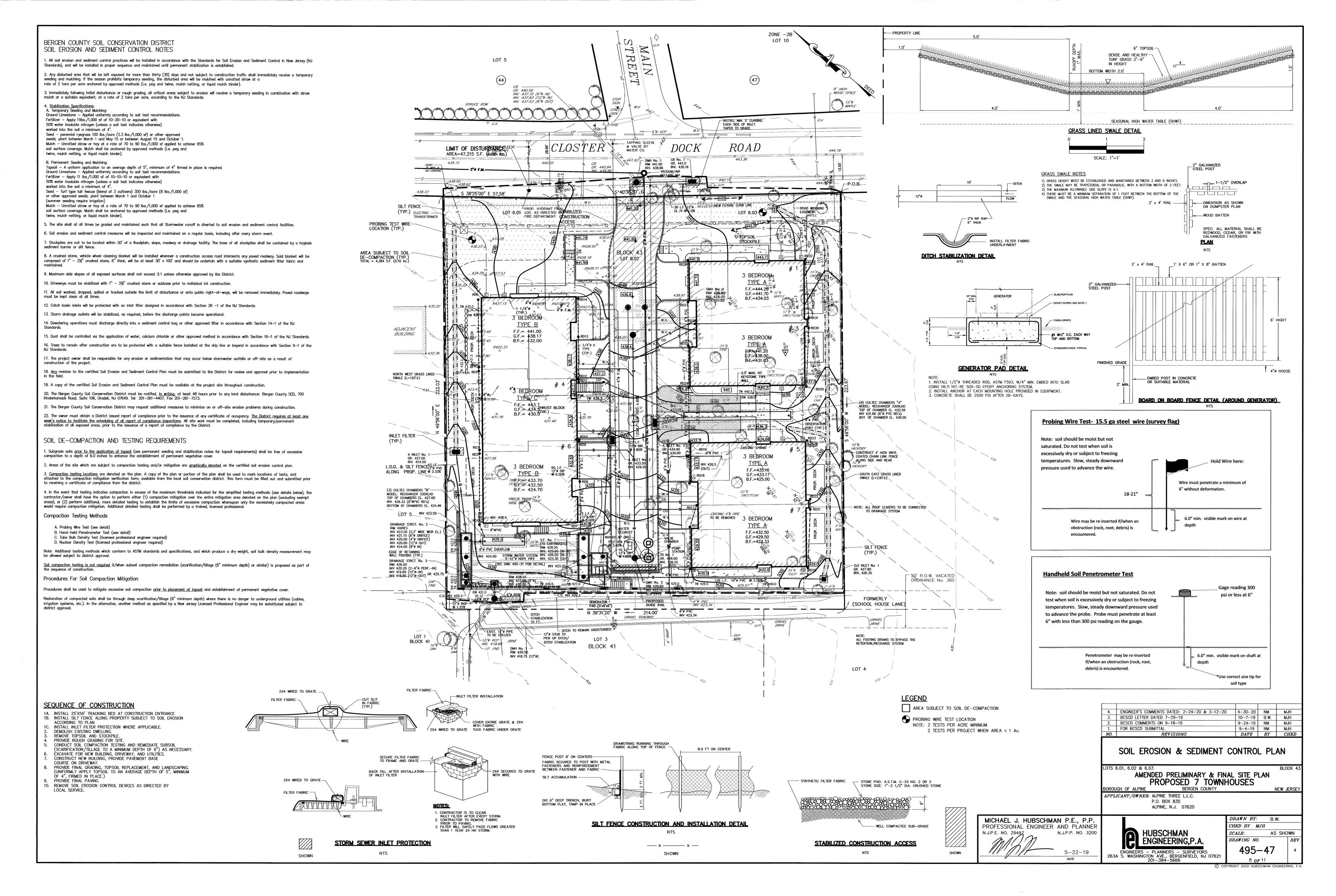
AS SHOWN

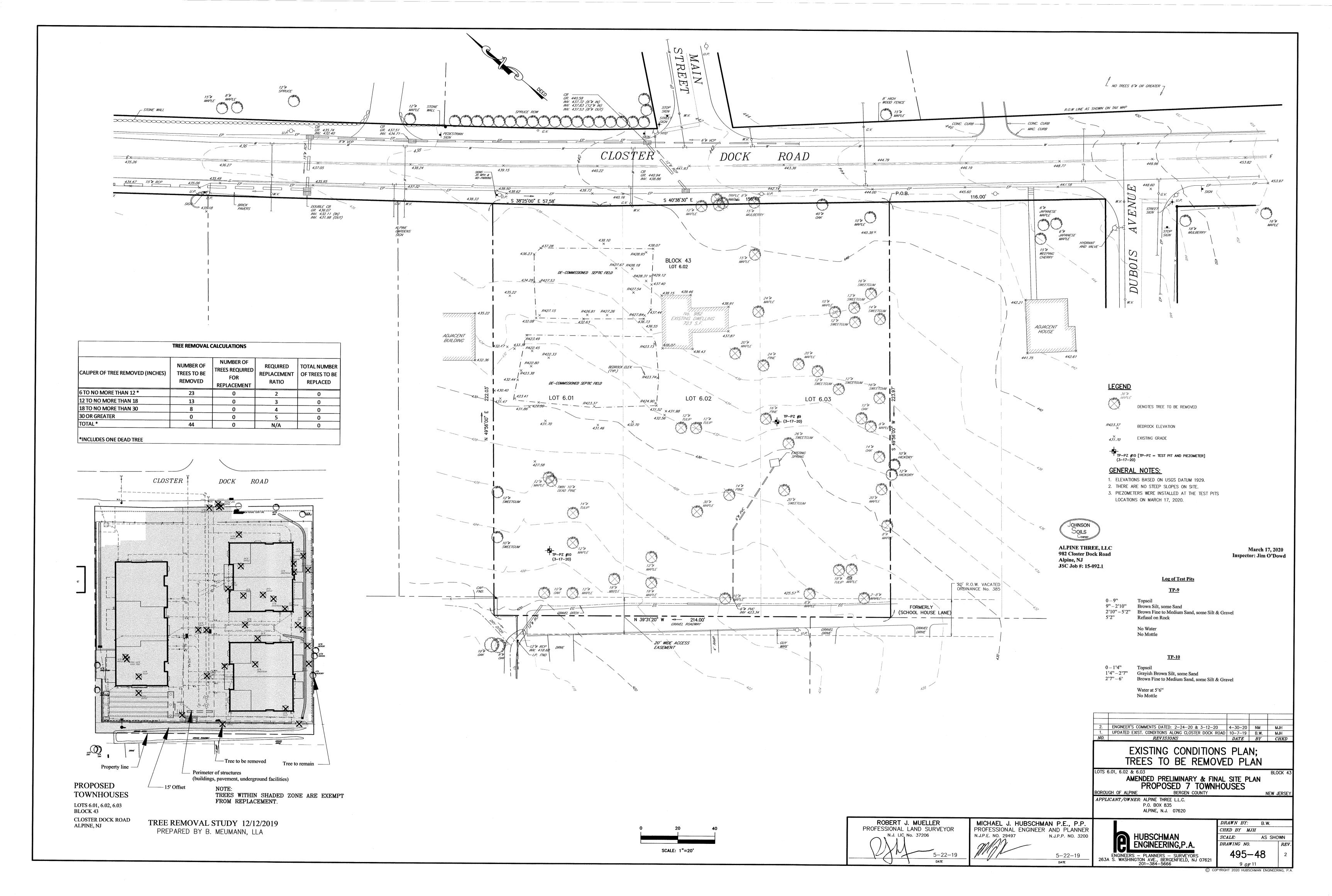
2'-6" HIGH WALL SECTION REINFORCED CONCRETE RETAINING WALL COUNTY OF BERGEN, NEW JERSEY WOOD GUIDE RAIL DETAIL **DETAIL & SCHEDULE** NTS ATTESTED TO BY:

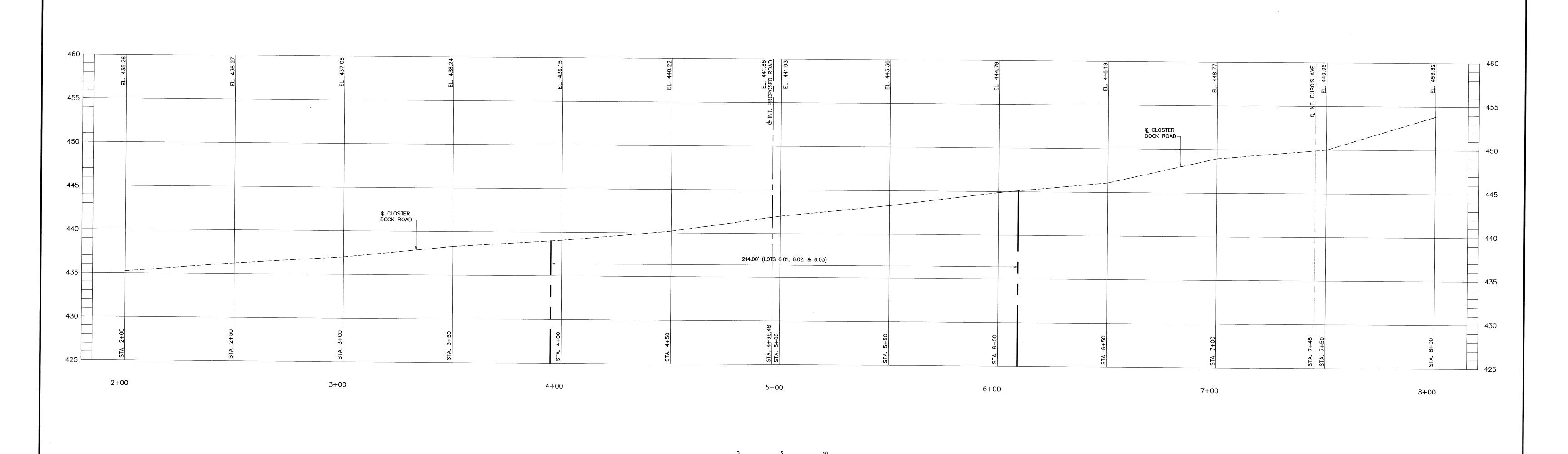
7. WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, 8. THE DETECTABLE WARNING SURFACE SHALL BE SAFETY RED COLOR ON CONCRETE OR COLOR CONTRAST FOR OTHER SURFACE SUCH AS BRICK. 9. CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS. 10.PREFERRED TREATMENT SHOULD ALWAYS BE USED UNLESS APPROVAL IS GIVEN BY ENGINEER FOR USE OF ALTERNATE TREATMENT. 11,DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMPS WILL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN. 12.THESE STANDARD CONSTRUCTION DETAILS ARE REQUIRED TO BE INCORPORATED INTO SITE SPECIFIC CONSTRUCTION DETAILS FOR EACH RAMP LOCATION, DESIGNED BY A PROFESSIONAL ENGINEER, AND INCLUDE THE FOLLOWING: SPOT ELEVATIONS AT ALL KEY LOCATIONS WITHIN THE RAMPS, SLOPES OF ALL SURFACES WITHIN AND ADJACENT TO THE RAMPS, DIMENSIONS OF ALL RAMP COMPONENTS, AND DRAWN AT A SCALE ACCEPTABLE TO BERGEN COUNTY. 3. ALL INSTALLED CURB RAMPS WILL BE CHECKED WITH AN ELECTRONIC SMART LEVEL FOR STRICT COMPLIANCE WITH REQUIRED SLOPES. PAYMENT WILL NOT BE MADE FOR RAMPS NOT IN COMPLIANCE. 14. IF 5' DEPTH ON TURNING SPACE IS NOT ACHIEVABLE, APPROVAL NEEDED FROM COUNTY FOR REDUCED SIZE (4' MINIMUM). 15. FOR ANY SIDEWALK OR CURB RAMP, SLOPE PERPENDICULAR TO TRAVEL DIRECTION SHALL BE A LOTS 6.01, 6.02 & 6.03 BLOCK 43 AMENDED PRELIMINARY & FINAL SITE PLAN PROPOSED 7 TOWNHOUSES BERGEN COUNTY APPLICANT /OWNER: ALPINE THREE L.L.C.











HOR. SCALE: 1"=20'

REVISIONS

HUBSCHMAN ENGINEERING, P.A.

ENGINEERS - PLANNERS - SURVEYORS 263A S. WASHINGTON AVE., BERGENFIELD, NJ 07621 201-384-5666

LOTS 6.01, 6.02 & 6.03

MICHAEL J. HUBSCHMAN P.E., P.P.
PROFESSIONAL ENGINEER AND PLANNER
N.J.P.E. NO. 29497
N.J.P.P. NO. 3200

5-22-19 date

PROFILE CLOSTER DOCK ROAD

AMENDED PRELIMINARY & FINAL SITE PLAN PROPOSED 7 TOWNHOUSES

BOROUGH OF ALPINE BERGEN COUNTY N

APPLICANT / OWNER: ALPINE THREE L.L.C.
P.O. BOX 835
ALPINE, N.J. 07620

DATE BY CHKD

DRAWN BY: B.W.
CHKD BY MJH

495-49

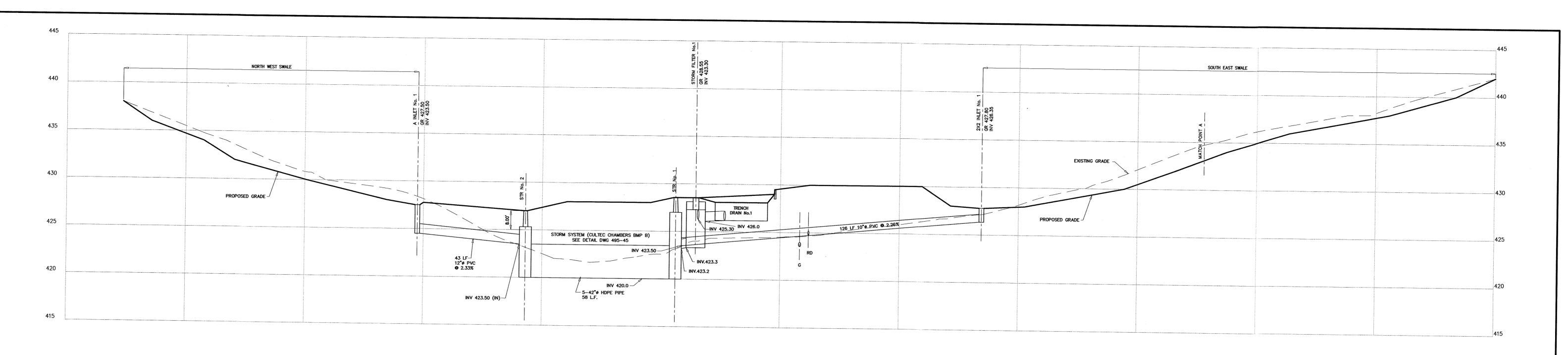
10 of 11

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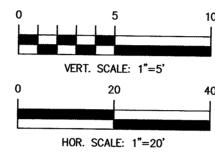
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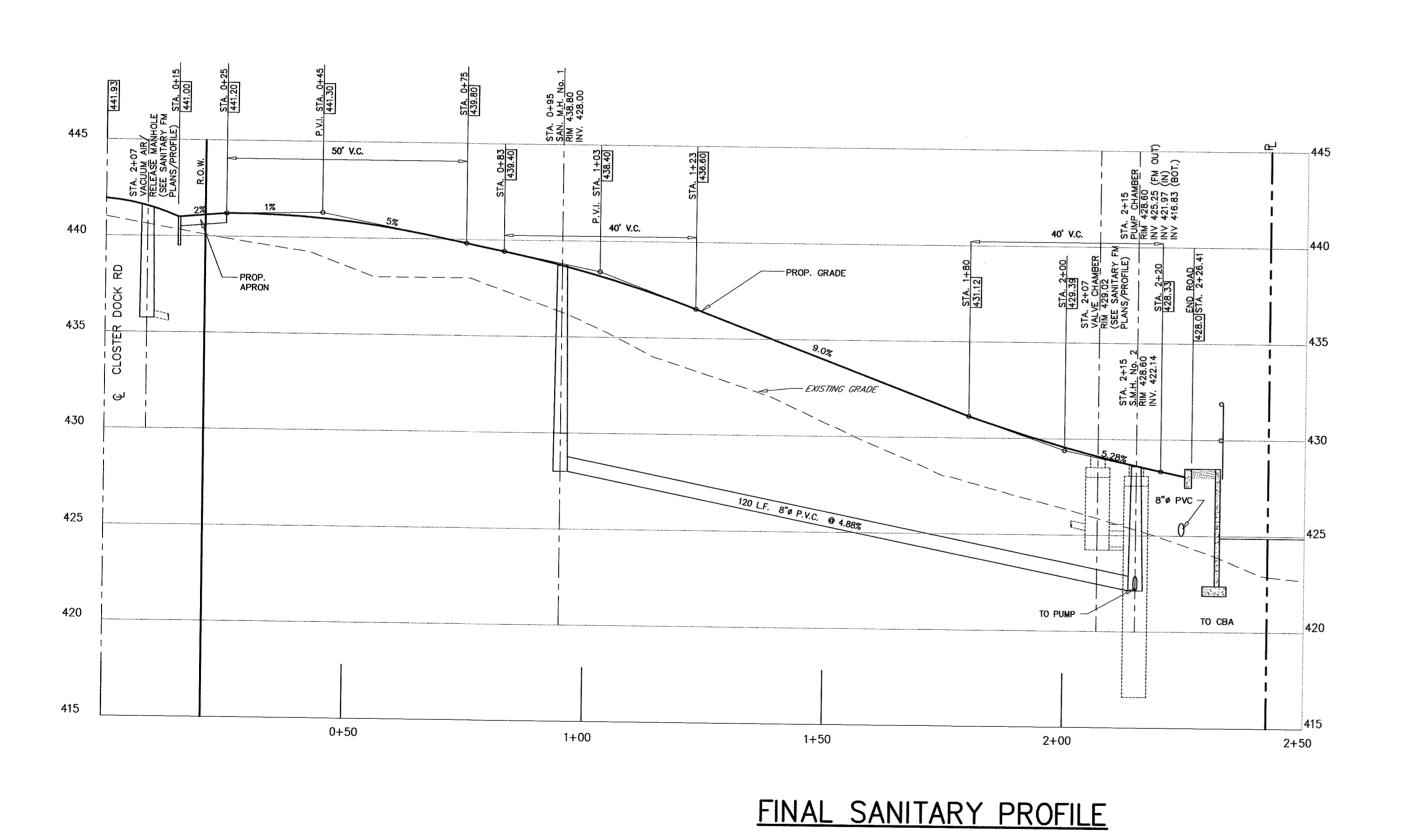
SCALE: AS SHOWN

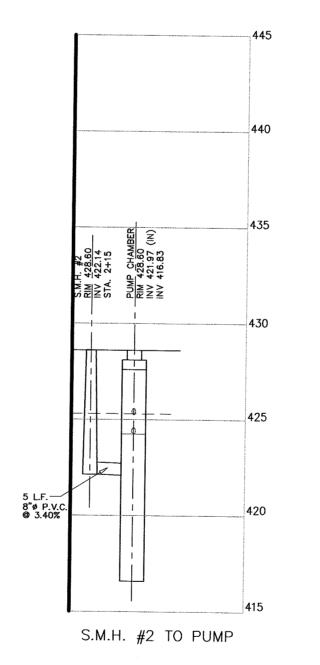
NEW JERSEY

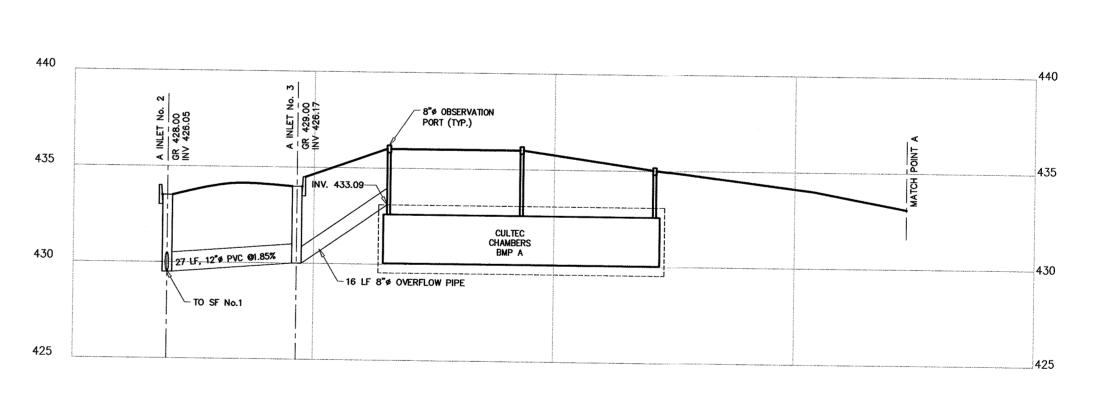


PROFILE- A INLET TO STR No.2, 2X2 INLET No.1 TO STR No.1

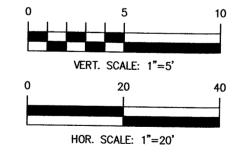




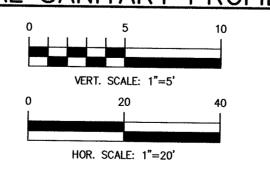




PROFILE- CULTEC CHAMBERS BMP A TO A INLET No.3 AND 2



FINAL SANITARY PLAN



N.J.A.C. 7:14A-23

SEWERS CONVEYING SANITARY FLOW, COMBINED SANITARY AND STORMWATER FLOW, OR INDUSTRIAL FLOW SHALL BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, THE PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE DEPARTMENT;

WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING

WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP—ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER SHALL BE PROVIDED. THE DEPARTMENT MAY ALSO REQUIRE ADDITIONAL STRUCTURAL SUPPORT FOR STORM SEWERS CROSSING OVER SEWER LINES;

1.	BCSCD LETTER DATED 7-29-19	10-7-19	B.W.	1 11
NO.	REVISIONS	DATE	B.W.	MJH CHKD
	STORM WATER PRO SANITARY SEWER PR		E	
	6.01, 6.02 & 6.03 AMENDED PRELIMINARY & FINAL PROPOSED 7 TOWNHOL	SITE PI USES	LAN	BLOCK 43
BOROU	GH OF ALPINE BERGEN COUNTY			NEW JERSEY
APPLI	ICANT /OWNER: ALPINE THREE L.L.C. P.O. BOX 835 ALPINE, N.J. 07620			

MICHAEL J. HUBSCHMAN P.E., P.P.
PROFESSIONAL ENGINEER AND PLANNER
N.J.P.E. NO. 29497

N.J.P.P. NO. 3200

2-22-19

Date

HUBSCHMAN ENGINEERING,P.A.

ENGINEERS - PLANNERS - SURVEYORS
63A S. WASHINGTON AVE., BERGENFIELD, NJ 0762:

DRAWN BY: B.W.

CHKD BY MJH

SCALE: AS SHOWN

DRAWING NO. REV.

495-50

11 OF 11

