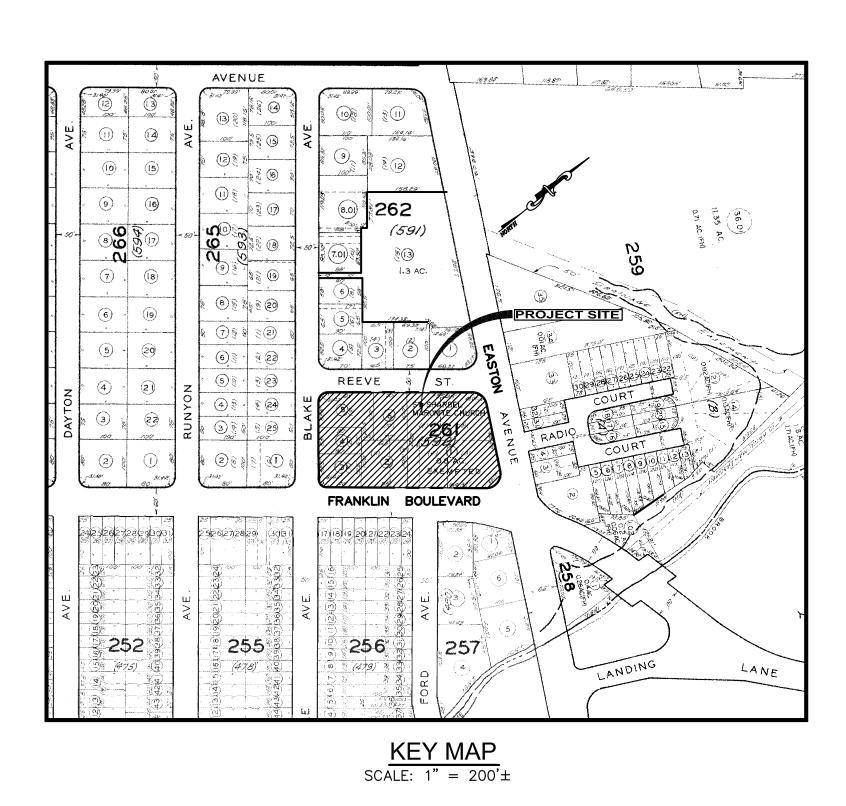
# SITEPLAN

PREPARED FOR

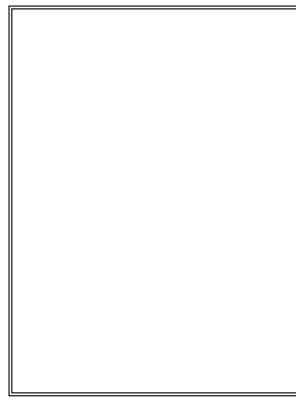
SAINT SHARBEL MARONITE CHURCH LOTS 1, 2, 3, 4, 5 AND 6 IN BLOCK 261 **526 EASTON AVENUE** 

SITUATED IN

TOWNSHIP OF FRANKLIN SOMERSET COUNTY, NEW JERSEY



SOMERSET COUNTY ACCEPTANCE STAMP



THESE PLANS ARE NOT ACCEPTED FOR CONSTRUCTION UNLESS THIS BLOCK IS STAMPED "ACCEPTED AS SUBMITTED" BY A STAFF MEMBER OF THE SOMERSET COUNTY ENGINEERING DIVISION. BIDS FOR CONSTRUCTION SHOULD NOT BE BASED ON THESE PLANS UNTIL THE PLANS ARE ACCEPTED BY THE COUNTY.

ACCEPTANCE OF THESE PLANS EXPIRES TWO (2) YEARS FROM THE STAMPED DATE.

#### ZONING BOARD OF ADJUSTMENT TOWNSHIP OF FRANKLIN

WE HEREBY CERTIFY THAT THE ZONING BOARD DULY APPROVED THIS SITE PLAN ON

DATE ZONING BOARD CHAIRMAN DATE ZONING BOARD SECRETARY

DATE CHIEF BUILDING INSPECTOR

TOWNSHIP ENGINEER DATE

DATE

TOWNSHIP DIRECTOR OF PLANNING

## **COVER SHEET**

SHEET

**DRAWING INDEX** 

200 FT. RADIUS MAP AND ZONING SCHEDULE

AREA MAP

SITE PLAN

GRADING, DRAINAGE AND UTILITY PLAN

LIGHTING PLAN

LANDSCAPING PLAN

TITLE

TREE REMOVAL PLAN COUNTY ROAD DRIVEWAY PROFILE

SIGHT DISTANCE ANALYSIS PLAN

LIGHTING AND LANDSCAPING DETAILS

CONSTRUCTION DETAILS

**CONSTRUCTION DETAILS** CONSTRUCTION DETAILS

15 SOIL EROSION AND SEDIMENT CONTROL PLAN

SOIL EROSION AND SEDIMENT CONTROL DETAILS

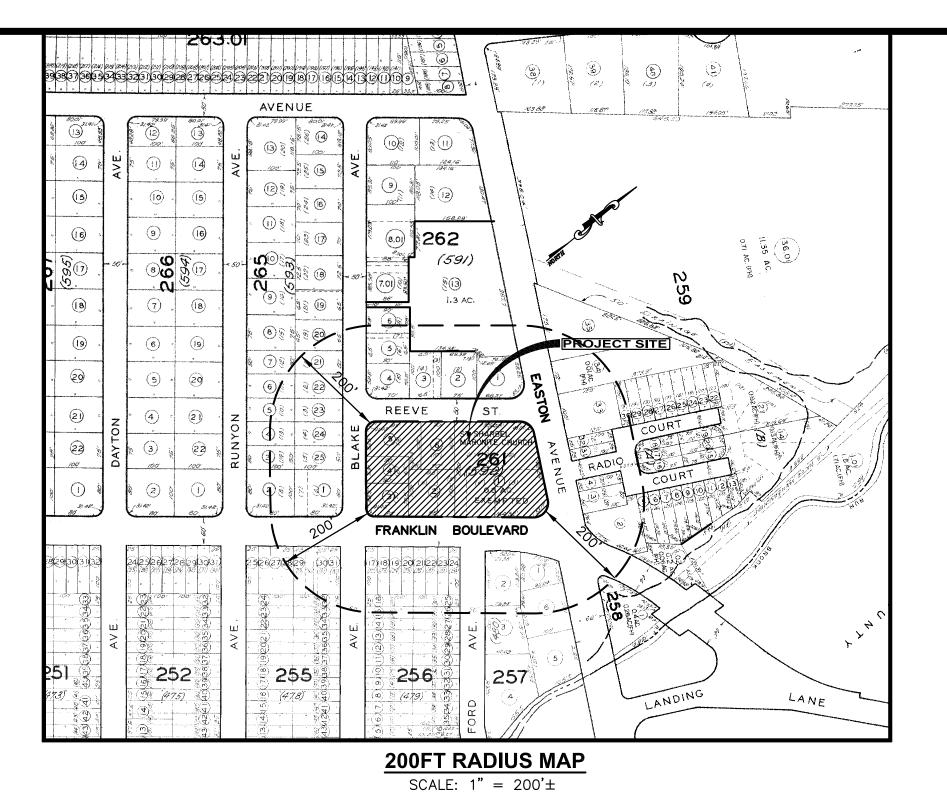
#### REVISED AS PER TOWNSHIP 03-01-2021 M.A.S. M.A.R. 1-09-2020 M.A.S. M.A.R. REVISED AS PER APPLICANT, ARCHITECT AND COUNTY No. DESCRIPTION OF REVISION DATE DRAWN CHECKED **COVER SHEET** SAINT SHARBEL MARONITE CHURCH LOTS 1, 2, 3, 4, 5 AND 6 IN BLOCK 261 526 EASTON AVENUE TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY 205 ROUTE 9 NORTH #33 FREEHOLD, NJ 07728 732-303-7992 + 732-742-1001 MARCREMO@REMOENGINEERING.COM

NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28098400 **CONSULTING ENGINEERS AND DESIGN PROFESSIONALS** 

FILE NO: 01231901 DRAWN: M.A.S.

MARC A. REMO, P.E., P.P., C.M.E.

CHECKED: M.A.R. DATE: 12-09-2019 SHEET NO.: 1 OF 16



## LIST OF PROPERTY OWNERS WITHIN 200 FEET OF PROJECT SITE

Block-Lot: 262-3

Block-Lot: 265-21

BALLER, SHARON G

226 BLAKE AVENUE

SOMERSET, NJ 08873

RE: 226 BLAKE AVE

4 OAKWOOD COURT

WHIPPANY, NJ 07981

RE: 19 BLAKE AVE

18 FRANKLIN BLVD

Block-Lot: 257-1

40 BAYARD LANE

Block-Lot: 265-20

230 BLAKE AVE

VERTUCCI, JOHN M

SOMERSET NJ 08873

RE: 230 BLAKE AVE

4 OAKWOOD COURT

WHIPPANY, NJ 07981

RE: 19 BLAKE AVE

Block-Lot: 265-6

133 RUNYON AVE

Block-Lot: 259-3

RE: 1 RADIO CT

475 DEMOTT LA

RE: EASTON AVE

Block-Lot: 262-4

14 REEVE ST.

SOMERSET NJ 08873

SOMERSET, NJ 08873

RE: 14 REEVE ST

254 EASTON AVE

RE: 562 EASTON AVE

NEW BRUNSWICK NJ 08901

Block-Lot: 262-1.01

Block-Lot: 259-1.02

TOWNSHIP OF FRANKLIN

SAINT SHARBEL MARONITE CHURCH

SAINT PETERS UNIV.HOSP%ROBERT VALAN

1 RADIO CT

SWAYNE, MELISSA T

SOMERSET NJ 08873

SOMERSET NJ 08873

RE: 133 RUNYON AVE

ZOU, HONGBING & ZOU, DENIS

FERRETTI, JOHN & PATRICIA

Block-Lot: 256-16

SOMERSET NJ 08873

RE: 18 FRANKLIN BLVD

516 EASTON AVENUE, L.L.C

PRINCETON, NJ 08540 RE: 516 EASTON AV

Block-Lot: 265-2

ZOU, HONGBING & ZOU, DENIS

INZANO, VINCENT J.& NANCY E.

Block-Lot: 256-15

Block-Lot: 255-31

1075 EAST 28TH STREET

BROOKLYN, NY 11210

RE: 11 FRANKLIN BLVD

Block-Lot: 256-20

7 FRANKLIN BLVD

Block-Lot: 255-28

15 FRANKLIN BLVD

Block-Lot: 265-4

SOMERSET NJ 08873

RE: 15 FRANKLIN BLVD

125 RUNYON AVENUE

SOMERSET, NJ 08873

Block-Lot: 255-32

20 BLAKE AVENUE

RE: 20 BLAKE AVE

Block-Lot: 265-1

214 BLAKE AVE

SOMERSET NJ 08873

RE: 214 BLAKE AVE

Block-Lot: 259-35

PADOS, BELA A

549 EASTON AVE.

Block-Lot: 257-3

11 FORD AVE.

RE: 11 FORD AVE

Block-Lot: 265-22

224 BLAKE AVE

JANOVSKY, VINCENT

SOMERSET NJ 08873

RE: 224 BLAKE AVE

Block-Lot: 265-24

220 BLAKE AVE

MILES, EMMA & CHARLES

SOMERSET NJ 08873

SOMERSET NJ 08873

RE: 549 EASTON AVE

SOMERSET, NJ 08873

CULLINANE, RYAN PATRICK & DEMKO, M.

SOMERSET NJ 08873

LEWIS, JOSEPH & JILL

SOMERSET, NJ 08873

RE: 7 FRANKLIN BLVD

NEMES, GREGORY & DONNA

WANG CIANG & CHENYUAN & LIANG X

STERNBERG, DAVID D & SCHILLER, M.

CORDERO, GILBERTO & MARGARITA

Block-Lot: 256-17 MISURACA, JENNIFER 9 FRANKLIN BLVD SOMERSET NJ 08873 RE: 9 FRANKLIN BLVD Block-Lot: 256-19 CORDERO, GILBERTO & MARGARITA 7 FRANKLIN BLVD SOMERSET, NJ 08873 RE: 7 FRANKLIN BLVD Block-Lot: 265-3 HICKMON, CHERYL D 101 RUNYON AVENUE SOMERSET NJ 08873 RE: 101 RUNYON AVE Block-Lot: 256-25 GALE, THOMAS B. & NANCY L 14 FORD AVE SOMERSET NJ 08873 Block-Lot: 255-27 NEMES, GREGORY & DONNA 15 FRANKLIN BLVD SOMERSET NJ 08873 RE: 15 FRANKLIN BLVD Block-Lot: 255-33 LEWIS, JOSEPH & JILL 20 BLAKE AVENUE SOMERSET NJ 08873 RE: 20 BLAKE AVE Block-Lot: 259-31.01 PREMIER PROPERTY DEVELOPMENT LLC 96 LONGFIELD CT. EAST BRUNSWICK, NJ 08816 RE: 2 RADIO CT Block-Lot: 256-21

WAHAB, ABDUL & YESMIN

EGG HARBOR TWP, NJ 08234

GALE, THOMAS B. & NANCY L.

STERNBERG, DAVID D & SCHILLER, M.

101 WINNEPEG AVE.

RE: 5 FRANKLIN BLVD

Block-Lot: 256-26

SOMERSET NJ 08873

RE: 14 FORD AVE

Block-Lot: 255-30

Right-of-Way Department

Emmaus, PA 18049-0368

PO Box 368

Buckeye Pipe Line Company

1075 EAST 28TH STREET

BROOKLYN, NY 11210

14 FORD AVE

RE: 11 FRANKLIN BLVD RE: 220 BLAKE AVE Block-Lot: 256-22 Block-Lot: 265-5 FERRETTI, JOHN & PATRICIA WAHAB, ABDUL & YESMIN 133 RUNYON AVE 101 WINNEPEG AVE. SOMERSET NJ 08873 EGG HARBOR TWP, NJ 08234 RE: 5 FRANKLIN BLVD RE: 133 RUNYON AVE Block-Lot: 255-29 Block-Lot: 265-23 SEN, MEHELI & PHILIP WEBB NEMES, GREGORY & DONNA 15 FRANKLIN BLVD 222 BLAKE AVE SOMERSET NJ 08873 SOMERSET NJ 08873 RE: 15 FRANKLIN BLVD RE: 222 BLAKE AVE

**Business Manager** 

Comcast Cable

279 Amwell Road

Hillsborough, NJ 08844

As per NJSA 40:55D-12.h, you must also notify the following registered agencies: Sunoco Pipeline LP Right of Way Dept Montello Complex 525 Fritztown Road Sinking Spring PA 19608

ST. SHARBEL MARONITE CHURCH 7 REEVE ST SOMERSET, NJ 08873 RE: 12 REEVE ST Block-Lot: 262-6 THOMAS, SHENIQUE & DAVIS, KEITH 227 BLAKE AVE. SOMERSET, NJ 08873 RE: 227 BLAKE AVE Block-Lot: 265-7 HERNANDEZ, MARIO 139 RUNYON AVE SOMERSET NJ 08873 RE: 139 RUNYON AVE Block-Lot: 256-23 RENNER, GLORIA 3 FRANKLIN BLVD SOMERSET NJ 08873 Block-Lot: 259-2 FOUBISTER, NICOLE A 497 EASTON AVE SOMERSET NJ 08873 RE: 497 EASTON AVE Block-Lot: 257-2 WAGNER, GEORGE M. & ROSEANN E. 41 CORNEILIUS WAY SOMERSET NJ 08873 RE: 1 FRANKLIN BLVD Block-Lot: 256-24 RENNER, GLORIA 3 FRANKLIN BLVD SOMERSET NJ 08873 RE: 3 FRANKLIN BLVD Block-Lot: 259-34 PADOS, BELA A 549 EASTON AVE. SOMERSET NJ 08873 RE: 549 EASTON AVE Block-Lot: 265-25 STEEL, URSULA G. 218 BLAKE AVE SOMERSET NJ 08873 RE: 218 BLAKE AVE Block-Lot: 258-1 TOWNSHIP OF FRANKLIN 475 DEMOTT LA SOMERSET NJ 08873 RE: 491 EASTON AVE Block-Lot: 262-5 VIGH, ILDIKO 225 BLAKE AVE SOMERSET NJ 08873 RE: 225 BLAKE AVE Block-Lot: 256-18 MISURACA, JENNIFER 9 FRANKLIN BLVD SOMERSET NJ 08873 RE: 9 FRANKLIN BLVD

Block-Lot: 259-5

Block-Lot: 259-4 SWAYNE, MELISSA T 1 RADIO CT

Block-Lot: 257-6

40 BAYARD LANE

PRINCETON, NJ 08540

RE: 516 EASTON AVE

Block-Lot: 259-27.01

12 RADIO COURT SOMERSET NJ 08873

RE: 12 RADIO CT

SOMERSET NJ 08873 RE: 1 RADIO CT

516 EASTON AVENUE, L.L.C.

KAMARA, MOHAMED & NANAH KANU-

3 RADIO CT SOMERSET NJ 08873 RE: 3 RADIO CT

LAJEWSKI, ANTHONY & JOANNE

CP Canal Preservation RR3 Rural Residential Rural Residential Single-Family Residential R-40 R-20 Single-Family Residential R-15 Single-Family Residential R-10 Single-Family Residential R-10A Single-Family Development R-7 C-R S-C-V PAC

**Zoning Districts** 

Agricultural

R-10B Single-Family Development Residential Cluster-Residential Senior Citizen Village Planned Adult Community Planned Residential Community Independent Senior Living ISL N-B Neighborhood Business G-B General Business **HBD** Hamilton Street Business District

C-B Corporate Business R-O-L Research-Office-Laboratory O-P Office-Professional Light Manufacturing M-2 Light Manufacturing M-3 Mining

PROJECT S

**ZONING MAP** SCALE:  $1" = 1000' \pm$ 

#### **ZONING SCHEDULE**

O-P OFFICE-PROFESSIONAL ZONE DISTRICT

	REQUIRED	EXISTING	PROPOSED	<u>VARIANCI</u>
MINIMUM LOT AREA	10,000 SF	35,699.0 SF	72,527.0 SF	NO
MINIMUM LOT FRONTAG	E 100 FT	160.0 FT	200.0 FT	NO
MINIMUM FRONT YARD SETBACK	40 FT	17.6 FT	18.51 FT	YES
MINIMUM SIDE YARD SETBACK (ONE SIDE)	10 FT	81.1 FT	249.0 FT	NO
MINIMUM SIDE YARD SETBACK (BOTH SIDES)	20 FT	N/A	N/A	NO
MINIMUM REAR YARD SETBACK	30 FT	81.1 FT	249.0 FT	NO
MAXIMUM BUILDING COVERAGE	20%	23.3%	20.5%	YES
MAXIMUM IMPERVIOUS COVERAGE	45%	68.6%	72.2%	YES
MAXIMUM BUILDING HEIGHT	35 FT 2.5 STORIES	< 35 FT 1 STORY	< 42.5 FT 1 STORY	YES
MAXIMUM FLOOR AREA RATIO	0.25	< 0.25	< 0.25	NO
MINIMUM PARKING	100 SPACES	36 SPACES	100 SPACES	NO

#### **GENERAL NOTES**

- 1. PROPERTY KNOWN AND DESIGNATED AS LOTS 1, 2, 3, 4, 5 AND 6 IN BLOCK 261 AS SHOWN ON THE CURRENT TOWNSHIP OF FRANKLIN TAX MAP.
- 2. PROPERTY CONTAINS 72,527.00 SF OR 1.66 AC.
- 3. PROPERTY SITUATED IN THE O-P OFFICE-PROFESSIONAL AND THE R-7 RESIDENTIAL ZONE DISTRICT.
- 4. EXISTING CONDITIONS REFERENCE: PLAN ENTITLED "TOPOGRAPHIC SURVEY OF PROPERTY 526 EASTON AVENUE TAX LOTS 1-6 - BLOCK 261 TAX LOTS 3 & 4 - BLOCK 262 TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY", DATED 11/20/2019, PREPARED BY JEFFREY S. GRUNN, NJ LAND SURVEYOR LICENCE NO. 43399.
- 5. ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- 6. OWNER AND APPLICANT

SAINT SHARBEL MARONITE CHURCH 526 EASTON AVENUE SOMERSET, NJ 08873

7. APPLICANT'S ATTORNEY

BOB SMITH & ASSOCIATES, LLC PISCATAWAY, NJ 08854

8. EXISTING USE:

CHURCH

TOTAL NUMBER OF SEATS = 220 BUILDING FOOTPRINT AREA = 8,326 S.F.

9. PROPOSED USE:

CHURCH

TOTAL NUMBER OF SEATS = 300 BUILDING FOOTPRINT AREA = 13,426 S.F.

#### PARKING CALCULATIONS

LAND USE: CHURCH

PARKING REQUIREMENT:

1 PARKING SPACE PER EACH 3 SEATS

TOTAL NUMBER OF SEATS = 300

REVISED AS PER APPLICANT, ARCHITECT AND COUNTY

MINIMUM PARKING SPACES REQUIRED

= 300 SEATS  $\times$  1 SPACE = 100 SPACES

TOTAL PARKING SPACES REQUIRED = 100

TOTAL PROPOSED PARKING SPACES = 100 (INCLUDING 4 HANDICAP SPACES)

No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKE							
	200 FT. RADIUS MAP AND ZONING SCH	<b>IEDULE</b>									
	SAINT SHARBEL MARONITE CHURCH		_								
	LOTS 1, 2, 3, 4, 5 AND 6 IN BLOCK	261									
	526 EASTON AVENUE										
	SITUATED IN										
	TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NE	W JERSEY	/								

**CONSULTING ENGINEERS AND DESIGN PROFESSIONALS** 

2 REVISED AS PER TOWNSHIP

205 ROUTE 9 NORTH #33 FREEHOLD, NJ 07728 732-303-7992 • 732-742-1001

MARCREMO@REMOENGINEERING.COM NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28098400

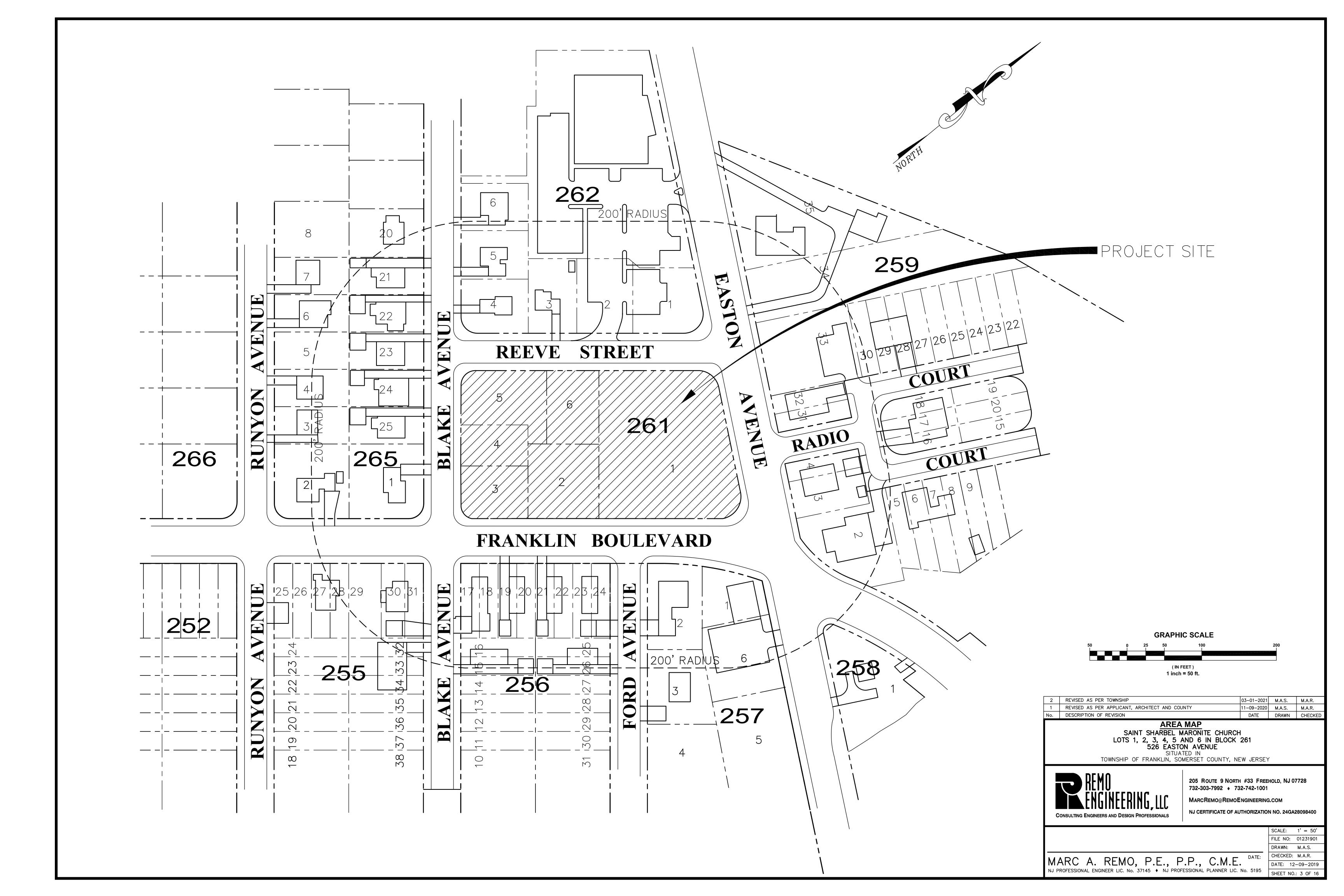
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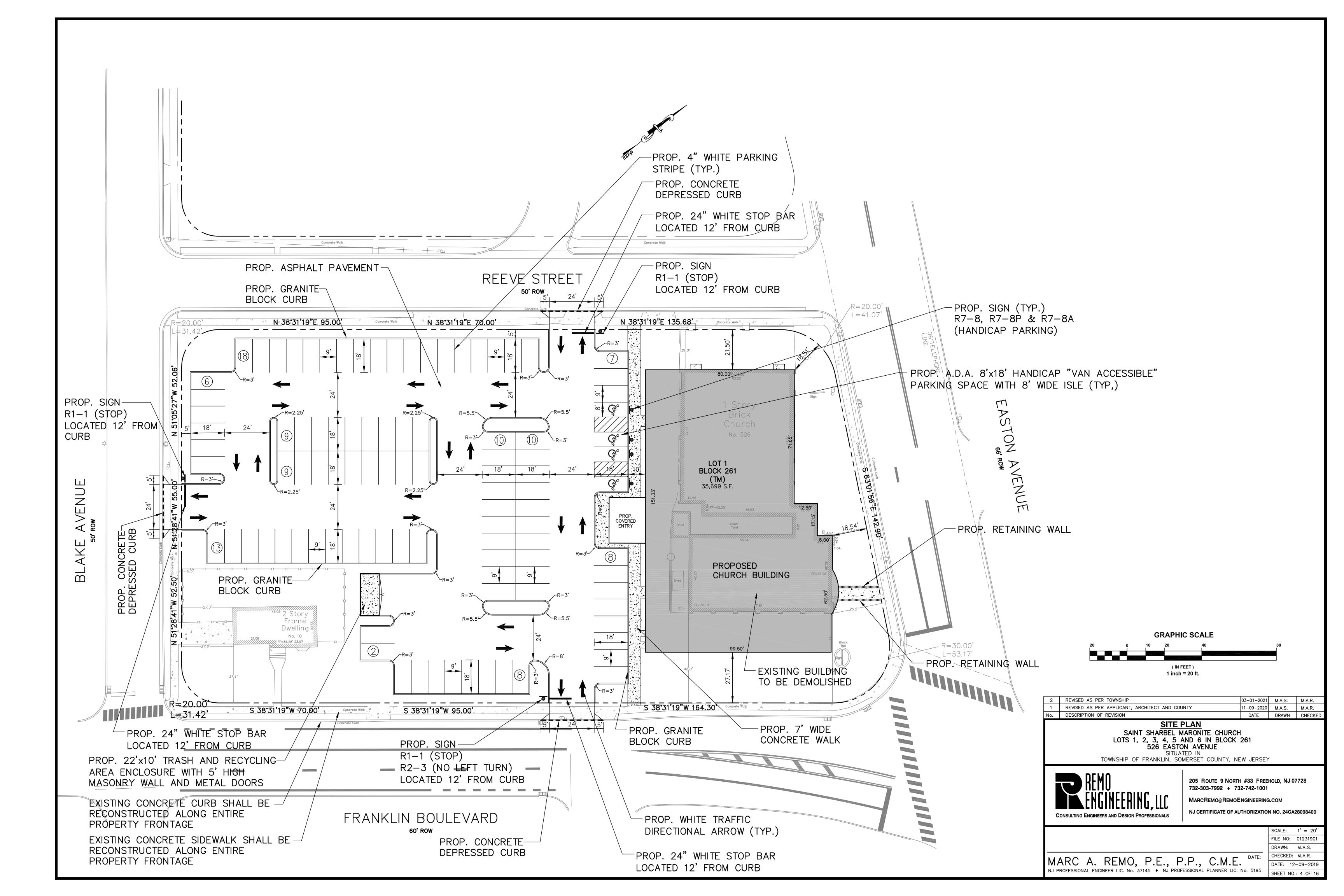
MARC A. REMO, P.E., P.P., C.M.E. NJ PROFESSIONAL ENGINEER LIC. No. 37145 ♦ NJ PROFESSIONAL PLANNER LIC. No. 5195

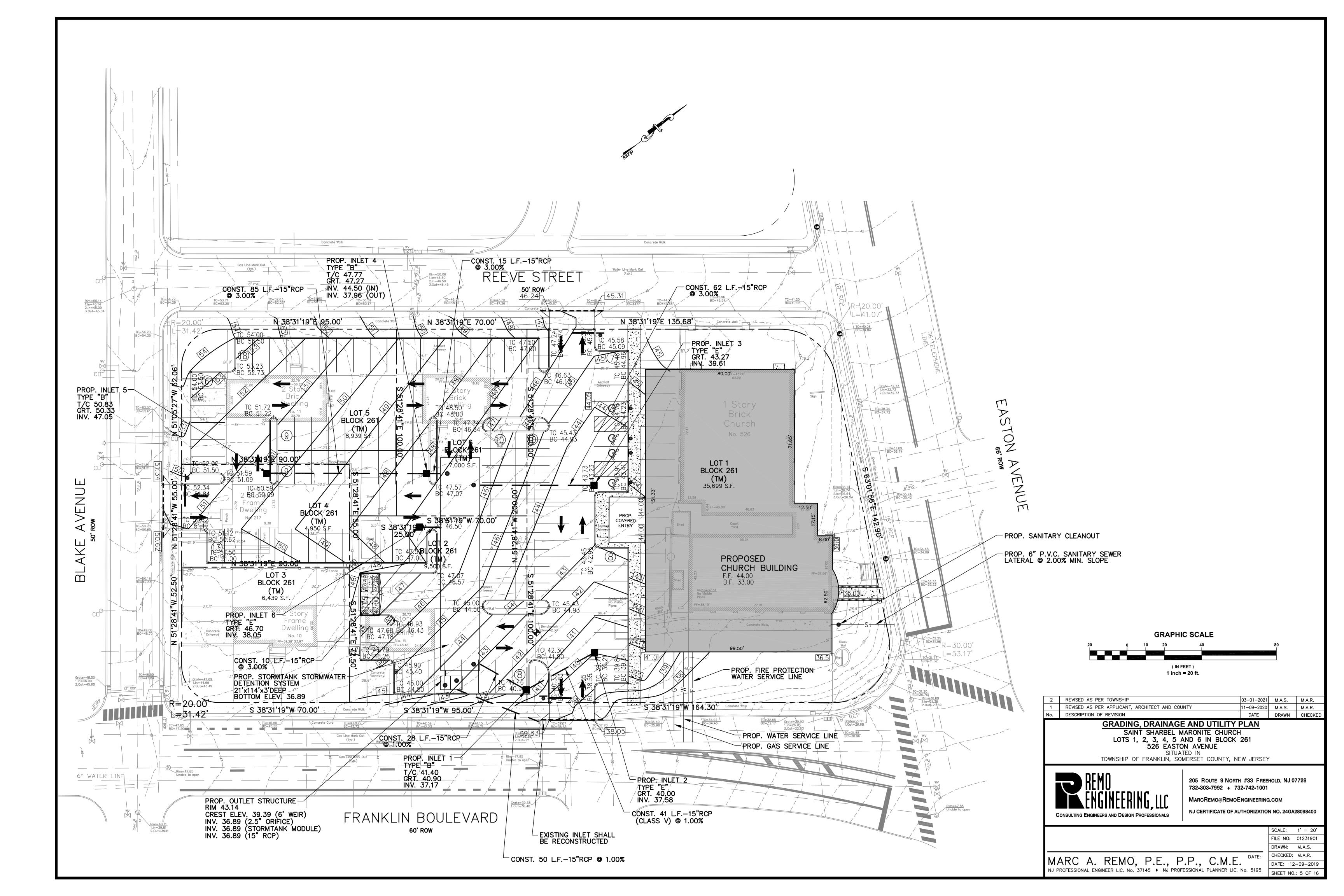
FILE NO: 01231901 DRAWN: M.A.S. CHECKED: M.A.R. DATE: 12-09-2019 SHEET NO.: 2 OF 16

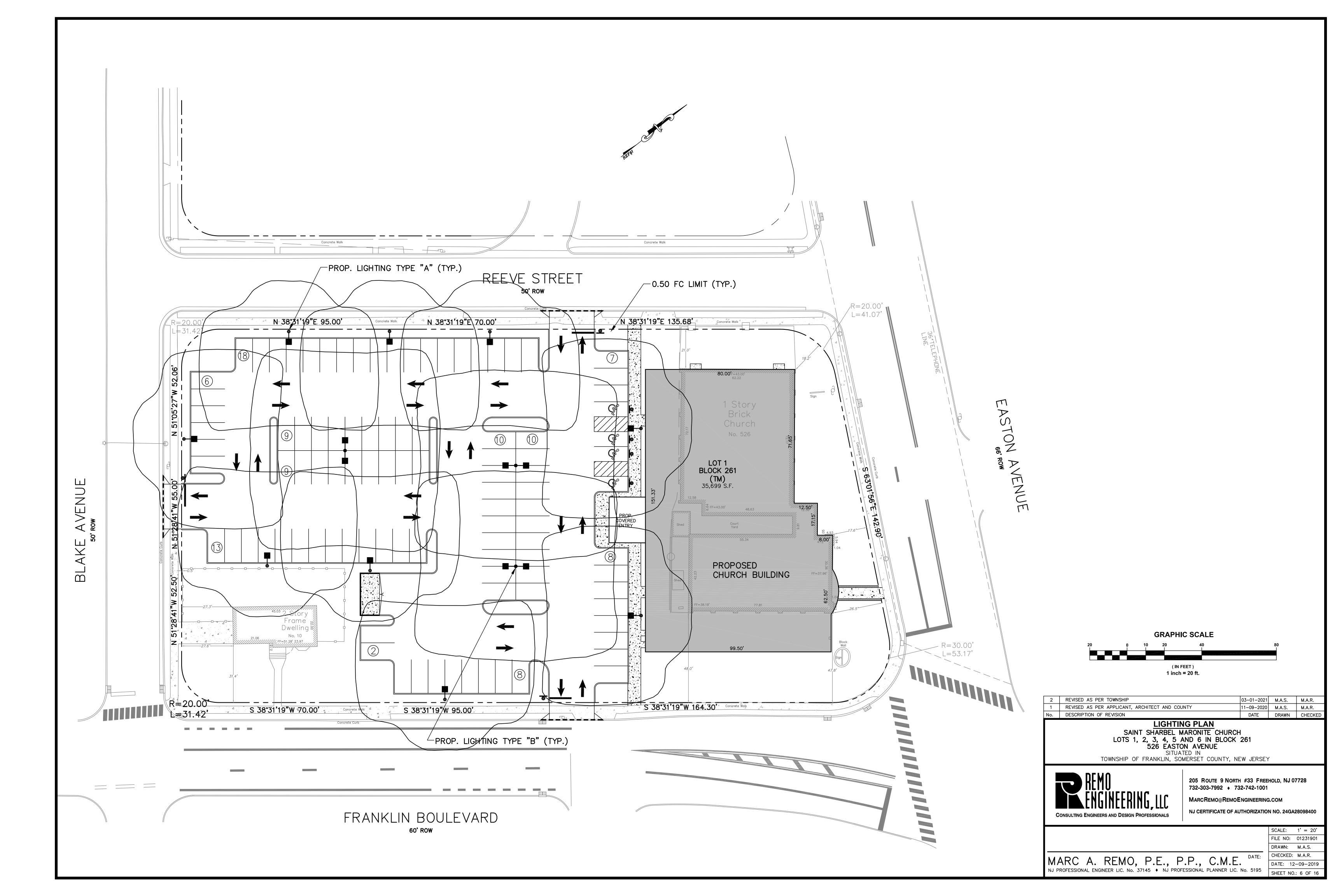
|03-01-2021| M.A.S. | M.A.R.

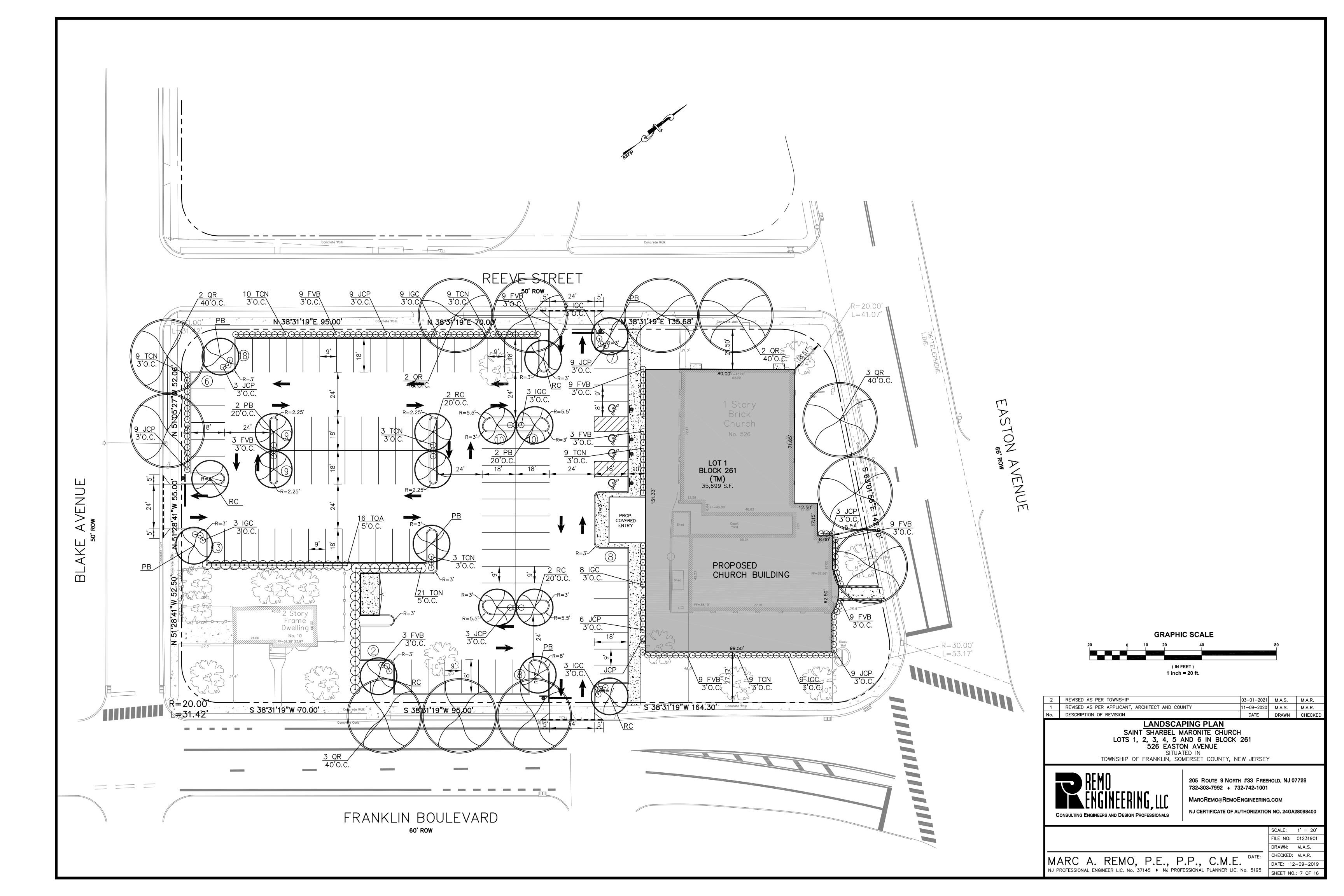
|11-09-2020| M.A.S. | M.A.R.

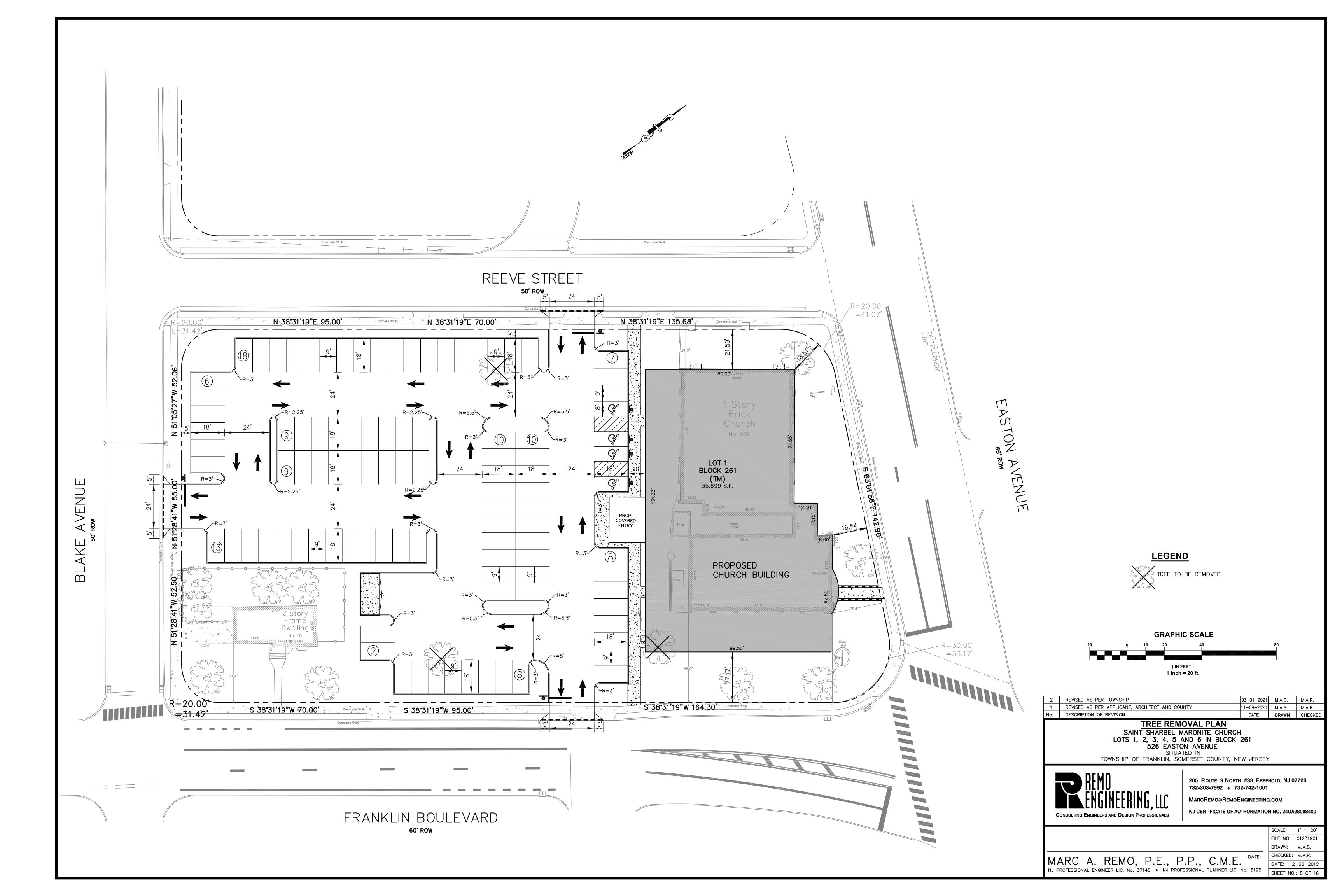


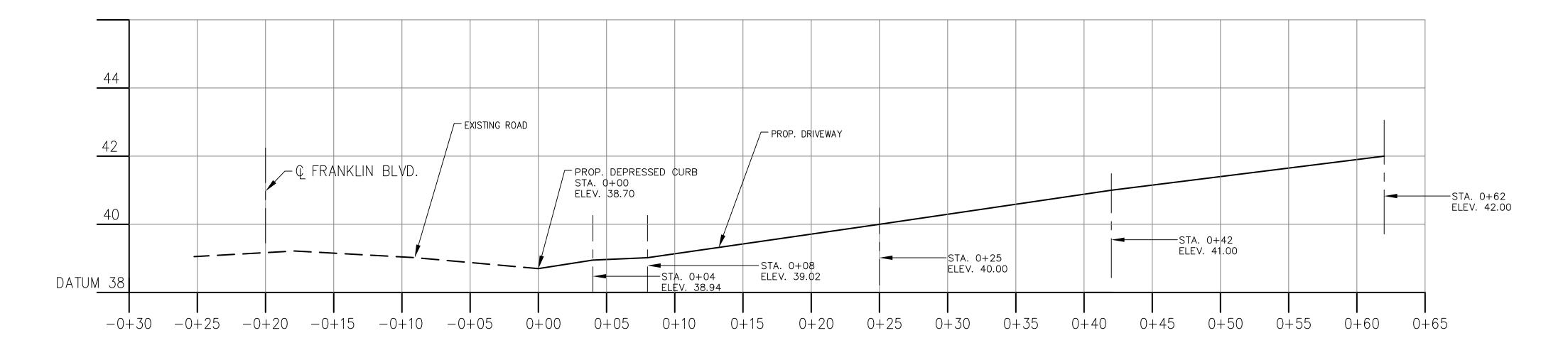






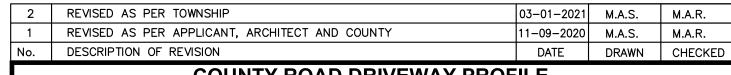




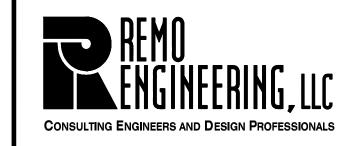


## COUNTY ROAD DRIVEWAY PROFILE

SCALE: 1" = 5' HORIZONTAL 1" = 2' VERTICAL



## **COUNTY ROAD DRIVEWAY PROFILE** SAINT SHARBEL MARONITE CHURCH LOTS 1, 2, 3, 4, 5 AND 6 IN BLOCK 261 526 EASTON AVENUE SITUATED IN TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY



205 ROUTE 9 NORTH #33 FREEHOLD, NJ 07728 732-303-7992 • 732-742-1001

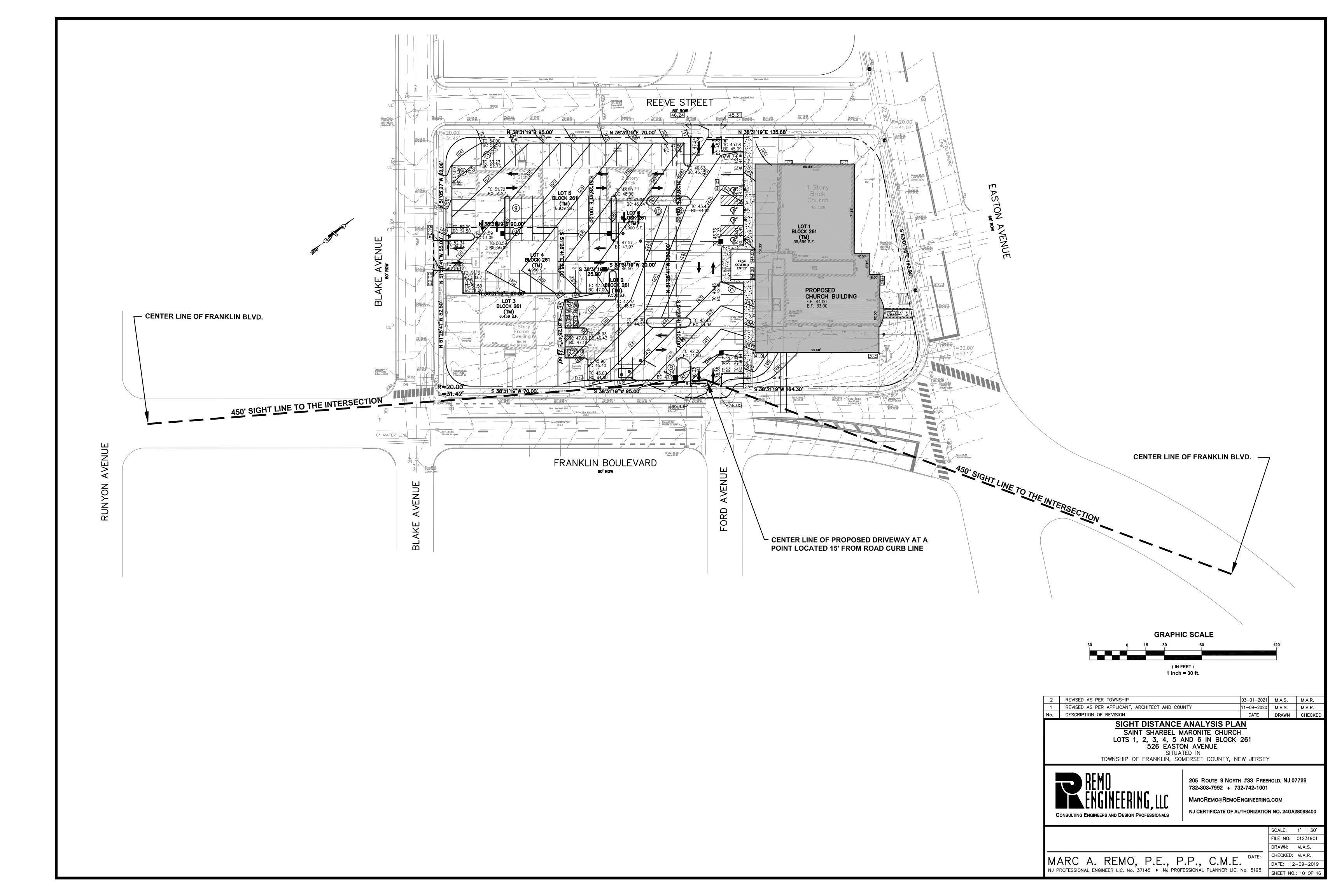
MARCREMO@REMOENGINEERING.COM NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28098400

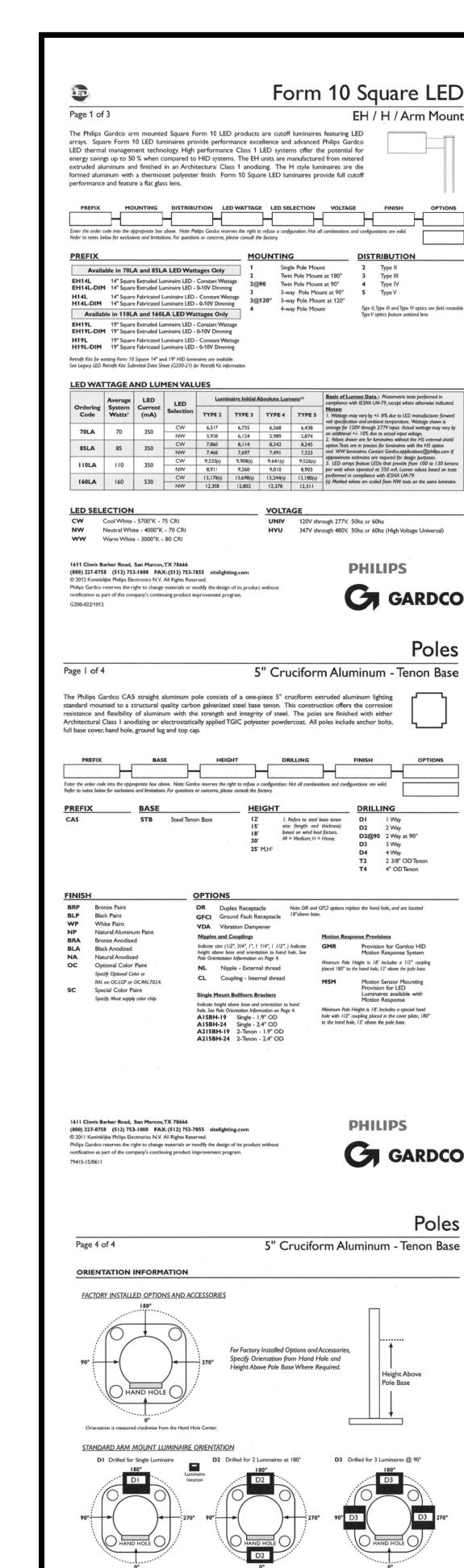
SCALE: AS SHOWN FILE NO: 01231901

MARC A. REMO, P.E., P.P., C.M.E.

NJ PROFESSIONAL ENGINEER LIC. No. 37145 • NJ PROFESSIONAL PLANNER LIC. No. 5195

DRAWN: M.A.S. CHECKED: M.A.R. DATE: 12-09-2019 SHEET NO.: 9 OF 16



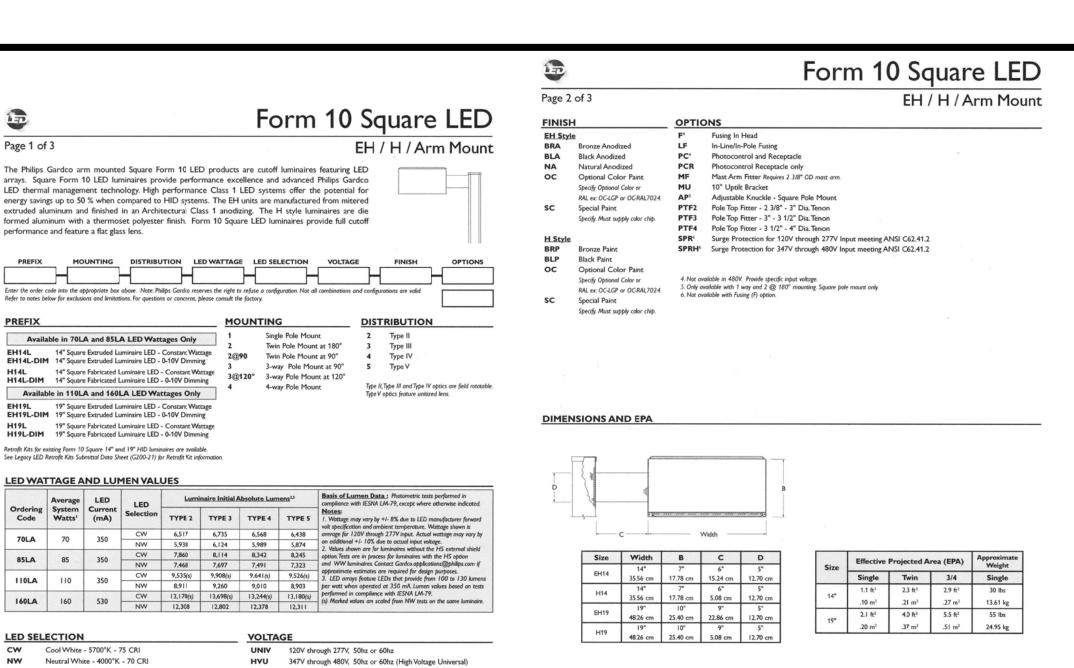


1611 Clovis Barker Road, San Marcos, TX 78666

79415-15/0611

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Phillips Gardco reserves the right to change materials or modify the design of its product without



Page 2 of 4

POLE DATA

**PHILIPS** 

**D2** 2 Way

**PHILIPS** 

GARDCO

Pole Base

**PHILIPS** 

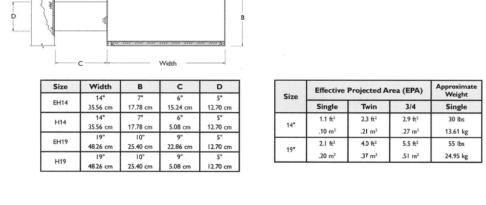
**Poles** 

**D2@90** 2 Way at 90°

3 Way

2 3/8" OD Tenon

4" OD Tenon





5" Cruciform Aluminum - Tenon Base



**DESIGN:** The poles as charted are designed to withstand dead loads and predicted dynamic loads developed by variable wind speeds with an additional 30% gust factor under the following conditions:

WARNING: This design information is intended as a general guideline only. The customer is solely responsible for proper selection of pole, luminaire, accessory and foundation under the given site conditions and intended

The wind velocities are based on 10 mph increments from 80 mph through 100 mph. Poles to be located in areas of known abnormal conditions may require special consideration. For example: coastal areas, airports and areas

Poles are designed for ground mounted applications. Poles mounted on structures (such as buildings and bridges) may also necessitate special

GENERAL INFORMATION: Mounting height is the vertical distance from the base of the limited property and the limited property and

Height correction factors and drag coefficients are applied to the entire to each other. For applications of two (2) arms at 90° or other multiple arm

LUMINAIRE CONFIGURATION INFORMATION

clear, heat and impact resistant tempered flat glass in a sealed manner using hollow section, high compliance, memory retentive extruded silicone rubber.

THERMAL MANAGEMENT: The Philips Gardco Form 10 Square LED

luminaires utilize extruded aluminum integral thermal radiation fins to provide

PREDICTED LUMEN DEPRECIATION DATA

Driver mA L<sub>70</sub> Hours<sup>7</sup>

530 mA 100,000 350 mA 100,000

350 mA

530 mA

the excellent thermal management so critical to long LED system life.

miters and points of material transition.

25 °C

40 °C

CONSTANT WATTAGE CONFIGURATIONS: Standard LED luminaires are

provide constant wattage and constant light output when power to the provided with 0 - 10V dimming for connection to a control system provided by others.

GENERAL: The Philips Gardco arm mounted Square Form 10 LED products are cutoff luminaires featuring LED arrays. Square Form 10 LED luminaires utilize lensed LED arrays set to achieve IES Type II, Type II, Type IV and Type V

provide performance excellence and advanced Philips Gardco LED thermal distributions. Individual LED arrays are replaceable. Optical systems are field management technology. High performance Class 1 LED systems offer the potential for energy savings up to 50 % when compared to HID systems. The

EH units are manufactured from mittered extruded aluminum and finished ELECTRICAL: Luminaires include a complete previred LED driver assembly,

in an Architectural Class 1 anodizing. The H style luminaires are die formed aluminum with a thermoset polyester finish. Form 10 Square LED luminaires provide full cutoff performance and feature a flat glass lens.

provided as part of the optical assembly. Luminaires include an LED driver that accepts 120V through 277V, or 347V through 480V, 50hz to 60hz, input. Driver output is based on the LED wattage selected. Component-to-component

HOUSING: Extruded housings (EH style) are composed of precisely mitered is listed by UL for use at 600 VAC at 302°F / 150°C or higher. Plug disconnects

anodized aluminum extrusions. Fabricated (H style) units are one piece, multi-formed aluminum with an integral reinforcing spline and a single concealed joint. Pressure injected silicone provides a continuous weather tight seal at all

ARM: Extruded aluminum arm is wired and secured to luminaire by contractor. Assembly is suitable for mounting to pole without requiring access

ARM: Extruded aluminum arm is wired and secured to luminaire by contractor. Assembly is suitable for mounting to pole without requiring access

a chromatic acid pretreatment. The finish coat is a thermosetting polyester

LENS: Mirered, extruded anodized aluminum door frame retains the optically

Concealed stainless steel latch and hinge permit easy toolless access to the WARRANTY: Philips Gardco Form 10 Square LED luminaires feature a 5

FULL CUTOFF PERFORMANCE: Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle at or above 90° above nadir. Additionally, the candela per 1000 lamp lumens does not numerically exceed 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the

CUTOFF PERFORMANCE: Cutoff performance means a luminaire distribution where the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle at or above 90° above nadir, and 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

Form 10 Square LED

wiring within the luminaire will carry no more than 80% of rated current and

FINISH: Extruded housings (EH style) are standard with natural, bronze, or

black Aluminum Association Architectural Class I anodized finish, Special colo

year limited warranty, including a 5 year limited warranty covering LED arrays

and LED drivers. See Warranty Information on www.sitelighting.com for

**PHILIPS** 

G GARDCO

baked at 450°F / 232°C to achieve an H-2H hardness measure. 2

EH / H / Arm Mount

									SFECIFICATIONS	_
POLE SIZE MAXIMUM LUMINAIRE LOADING <sup>2</sup> ANCHOR BOLT DATA <sup>3</sup>						ANG	CHOR BOLT D	DATA <sup>3</sup>	POLE SHAFT: The pole shaft is a one-piece, 5" cruciform, seamless 6000 series extruded aluminum tubing and is heat-treated to achieve a T6 temper with a guaranteed minimum yield strength of 31 KSI. Pole wall thickness is 1.30".  BASE COVER: A two-piece, fabricated aluminum cover completely conceals the entire base plate and anchorage. The base cover is secured to the base assembly with four (4) stainless steel fasteners.	
ACTUAL HEIGHT	BASE TENON HEIGHT (ft.)	WALL THICKNESS (inches.)	100 MPH EPA-FT <sup>2</sup>	90 MPH EPA-FT <sup>2</sup>	80 MPH EPA-FT <sup>2</sup>	BOLT CIRCLE (inches)	BOLT SIZE (inches)	MAX PROJ. (inches)	HAND HOLE: The hand hole has a nominal rectangular 2 5/8" X 5" insid  BASE TENON ASSEMBLY: The tenon anchor base assembly consists of structural quality carbon steel tubing with a minimum 46 KSI yield strength plate with attachment screws. The hand hole is located 20" above the base	er
11' 9"	2.5	.130	20.3	25.8	33.4	10.0"	1 x 36 x 4.5	3.5"	welded to a structural steel base with a guaranteed minimum yield strength and 180° clockwise with respect to the luminaire arm when viewed from the	
14' 9"	2.5	.130	10.7	13.9	18.5	10.0"	1 x 36 x 4.5	3.5"	of 50 KSI. The base plate telescopes the pole shaft and is circumferentially top of the pole for one arm. For two arms the hand hole is located direct	У
17' 9"	2.5	.130	6.7	9.3	12.9	10.0"	1 x 36 x 4.5	3.5"	welded on both top and bottom. The entire assembly is hot-dipped galvanized.  Four (4) mechanically galvanized fasteners secure the aluminum pole shaft to	
19' 9"	2.5	.130	4.6	6.9	10.1	10.0"	1 x 36 x 4.5	3.5"	the base tenon assembly.  POLE TOP CAP: Each pole assembly is provided with a removable case.	st
24' 9"	4	.130	1.5	3.3	5.9	10.0"	I x 36 x 4.5	3.5"	aluminum pole top cap. The pole top cap is secured with two (2) stainles	
24' 9"	7	.130	3.1	5.5	8.5	10.0"	1 x 36 x 4.5	3.5"	ANCHOR BOLTS: Anchor bolts are fabricated from a commercial quality steel allen head set screws.	
nd loading, in terms of EPA, from banners, cameras, floodlights and other accessories attached to the pole, must be s) EPA before selecting the pole with the appropriate wind load capability.									hot rolled carbon steel bar that meets or exceeds a minimum guaranteed yield strength of 50,000 psi. Bolts have an "L" bend on one end and threaded on the opposite end. Anchor bolts are completely hot dipped galvanized. Four (4) properly sized bolts, each furnished with two (2) regular hex nuts and two (2) flat washers, are provided per pole, unless otherwise specified.	

Warning: Additional wind loading, in terms of EPA, from banners, cameras, floodlights and other accessories attached to the pole, must be added to the luminaire(s) EPA before selecting the pole with the appropriate wind load capability 3. Factory supplied template must be used when setting anchor bolts. Philips Gardco will not honor any claim for incorrect anchorage placement resulting from failure to use factory supplied template

## DIMENSIONS Cut hole in template 1/16" larger than NOTE: Factory supplied template must be used when setting anchor bolts. Philips Gardco will not honor any claim for incorrect anchorage placement fro Base/Tenon Assembly-

1611 Clovis Barker Road, San Marcos, TX 78666 800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 sitelighting.com 2011 Koninklijke Philips Electronics N.V. All Rights Reserved Philips Gardco reserves the right to change materials or modify the design of its product without

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GENERAL POLE INFORMATION

**PHILIPS** G GARDCO

usage. The addition of any items to the pole, in addition to the luminaire, will

dramatically impact the EPA load on that pole. It is strongly recommended

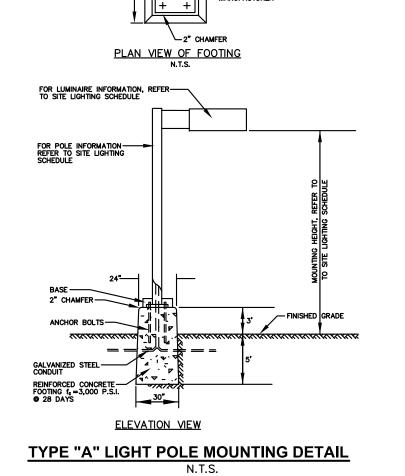
selection, loads and installation can result in pole failure, leading to

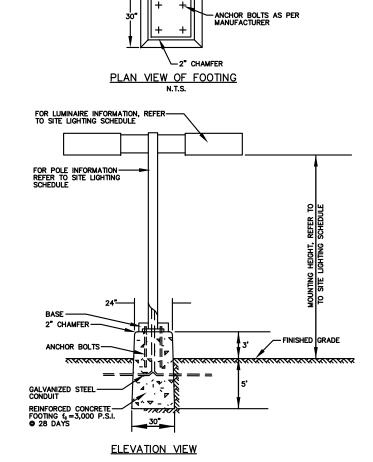
the base of the lighting pole to the center of the luminaire arm at the point of

Narranty Information on www.sitelighting.com for complete details and

serious injury or property damage.

#### LANDSCAPING SCHEDULE **COMMON NAME** <u>SIZE</u> <u>ROOTS</u> <u>BOTANICAL NAME</u> 3"-3.5" CAL. B&B QUERCUS RUBRA NORTHERN RED OAK PYRUS CALLERYANA BRADFORD CALLERY 2.5"-3" CAL. B&B BRADFORD PEAR SOPHORA JAPONICA 2.5"-3" CAL. B&B REGENT REGENT SCHOLAR TREE EASTERN WHITE 5'-6' PINUS STROBUS PINE THUJA OCCIDENTALIS EMERALD GREEN SMARAGD ARBORITAE TSUGA CANADENSIS CANADIAN HEMLOCK THUJA OCCIDENTALIS DARK AMERICAN ARBORVITAE NIGRA PICEA EXCELSA NORWAY SPRUCE 5'-6' B&B 2'-2.5' ILEX CRENATA GLABRA COMPACT INKBERRY COMPACTA 12"-15" FORSYTHIA VIRIDISSIMA DWARF FORSYTHIA CAN **BRONXENSIS** COMPACT PFITZER 2.5'-3' JUNIPERUS CHINENSIS PFITZERIANA COMPACTA JUNIPER TAXUS CUSPIDATA NANA DWARF JAPANESE YEW





TYPE "B" LIGHT POLE MOUNTING DETAIL

## LIGHTING SCHEDULE

SITE LIGHTING TYPE "A" SHALL BE GARDCO CATALOG NO. EH19L 1 4 160LA CW UNIV BLA PC. WHICH IS FORM 10 SQUARE LED ARM MOUNT LUMINAIRE, 19" EXTRUDED HOUSING. ONE LUMINAIRE, OPTICS DISTRIBUTION TYPE 4, 160 WATT LED, COOL WHITE, 120 VOLTAGE, BLACK ANODIZED FINISH, RECEPTACLE AND PHOTO CONTROL, OR APPROVED EQUAL.

LUMINAIRE MOUNTING HEIGHT SHALL BE 18 FT.

POLE SHALL BE GARDCO CATALOG NUMBER CA5 STB 15 D1 BLA, WHICH IS 5" CRUCIFORM EXTRUDED ALUMINUM, STEEL TENON BASE, 15 FT. IN HEIGHT, ONE WAY DRILLING, BLACK ANODIZED FINISH, ANCHOR BASE TYPE, OR APPROVED EQUAL.

POLE SHALL BE ANCHORED ON A 3 FT. HIGH CONCRETE BASE.

SITE LIGHTING TYPE "B" SHALL BE GARDCO CATALOG NO. EH19L 2 4 160LA CW UNIV BLA PC, WHICH IS FORM 10 SQUARE LED ARM MOUNT LUMINAIRE, 19" EXTRUDED HOUSING TWO LUMINAIRE, OPTICS DISTRIBUTION TYPE 4, 160 WATT LED, COOL WHITE, 120 VOLTAGE, BLACK ANODIZED FINISH, RECEPTACLE AND PHOTO CONTROL, OR APPROVED EQUAL

LUMINAIRE MOUNTING HEIGHT SHALL BE 18 FT.

POLE SHALL BE GARDCO CATALOG NUMBER CA5 STB 15 D2 BLA, WHICH IS 5" CRUCIFORM EXTRUDED ALUMINUM, STEEL TENON BASE, 15 FT. IN HEIGHT, TWO WAY DRILLING, BLACK ANODIZED FINISH, ANCHOR BASE TYPE, OR APPROVED EQUAL

POLE SHALL BE ANCHORED ON A 3 FT. HIGH CONCRETE BASE.

#### LIGHTING NOTES

- 1. PHOTOMETRIC PATTERN SHOWN REPRESENTS 0.5 F.C.
- 2. LUMINAIRES SHALL BE DIRECTED OR SHIELDED TO AVOID OVER SPILL ONTO ADJACENT PROPERTIES AND ROADWAYS.
- 3. FOR DECORATIVE BUILDING LIGHTS AND/OR SECURITY SPOT LIGHTS REFER TO ARCHITECTURAL PLANS.
- 4. PARKING LOT LIGHTING SHALL BE TURNED OFF WITHIN ONE (1) HOUR AFTER CLOSE OF BUSINESS, EXCEPT FOR THOSE LIGHTS REQUIRED FOR

LANDSCAPING NOTES

- 1. ALL MATERIALS TO BE TYPE AND SIZE AS LISTED UNLESS OTHERWISE APPROVED.
- 2. TREES AND SHRUBS TO BE IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN) STANDARDS REGARDING SIZE AND

CALIPER MEASURED 1 FT. ABOVE TRUNK CROWN.

- 4. EXISTING TREES AND SHRUBS SHALL REMAIN WHEREVER POSSIBLE.
- 5. PLANTS ARE TO BE PLANTED UPRIGHT IN A DIRECTION SO AS TO PROVIDE BEST APPEARANCE IN RELATIONSHIP TO ADJACENT AREAS.
- 6. TREES SHALL BE SUPPORTED IMMEDIATELY AFTER PLANTING. REFER
- TO DETAILS. 7. PLANTING PITS ARE TO BE PREPARED TO A MINIMUM DEPTH OF 12" AND

PITS ARE TO HAVE A MINIMUM OF 9" OF GOOD TOPSOIL. LAWN AREAS

- ARE TO HAVE A MINIMUM OF 6" (4" FOR SOD) OF TOPSOIL. 8. TREE PITS, PLANT BEDS, AND GROUND COVER AREAS SHALL BE MULCHED WITH A MINIMUM DEPTH OF 3 IN. (AFTER SETTLEMENT) OF SHREDDED
- HARDWOOD MULCH. 9. PROVIDE NEW OR AMENDED TOPSOIL BACKFILL FOR ALL NEWLY PLANTED MATERIAL. ORGANIC MATTER CONTENT = 5% MINIMUM; PH RANGE BETWEEN 5.0 - 6.5 INCLUSIVE, FREE OF STONES 1" OR GREATER AND
- 10. CHEMICAL FERTILIZERS TO BE DERIVED FROM ORGANIC SOURCES AND APPLIED IN ACCORDANCE WITH MANUFACTURE'S SPECIFICATIONS.

FREE OF ALL DEBRIS AND EXTRANEOUS MATERIALS.

- 11. ALL OPEN SPACES SHALL BE SEEDED OR SODDED AS NOTED ON PLAN.
- 12. LANDSCAPING PLAN IS DIAGRAMATIC. PLANT LOCATIONS MAY BE ADJUSTED FOR FIELD CONDITIONS WITH PRIOR APPROVAL.
- 13. THE CONTRACTOR MUST VERIFY LOCATION OF ALL UNDERGROUND
- UTILITIES PRIOR TO ANY IMPLEMENTATION.

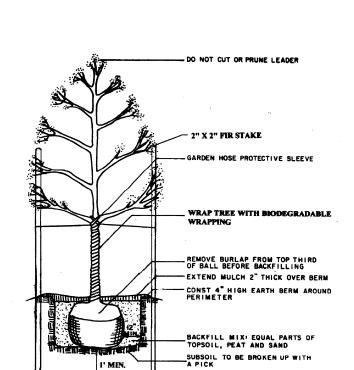
THE ATTENTION OF REMO ENGINEERING, LLC FOR REVIEW AND

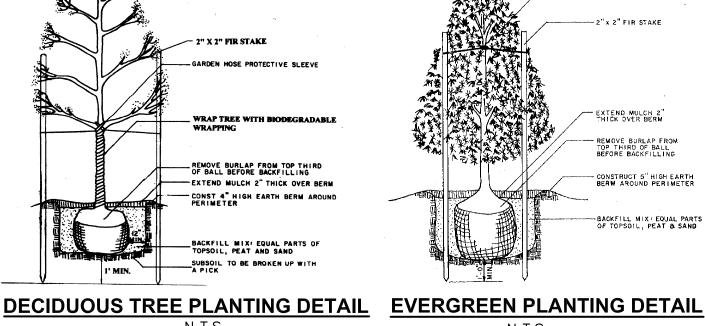
BE REPLACED WITH THE SAME OR EQUIVALENT SIZE SPECIES.

RESOLUTION. 15. ALL LANDSCAPING NOT SURVIVING FOR A PERIOD OF ONE YEAR SHALL

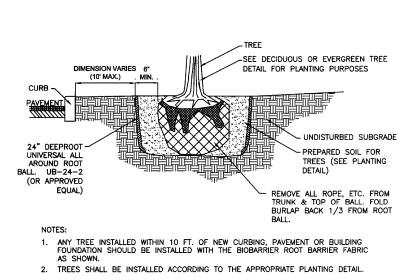
14. ANY DISCREPANCIES AND OR INCONSISTENCIES ARE TO BE BROUGHT TO

- 16. STREET TREES SHALL BE BRANCHED AT 7 FT.
- 17. AAN STANDARDS: ALL PLANTS SHALL MEET OR EXCEED THE MINIMUMS AS NOTED IN THE LATEST EDITION OF AMERICAN STANDARDS FOR NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSERYMAN ANSI 2601.
- 18. ALL SUBSTITUTIONS IN PLANT MATERIALS SHALL BE REVIEWED BY REMO ENGINEERING, LLC AND APPROVED IN WRITING BY THE MUNICIPALITY.
- 19. FOR SHADE TREES, CENTER LEADER SHALL NEVER BE REMOVED AND ONLY DEAD OR BROKEN BRANCHES SHALL BE PRUNED TO NATURAL
- 20. ALL PLANTS TO BE INSTALLED AT NURSERY GRADE OR HIGHER WITH NO SUB-GRADE DISTURBANCE.
- 21. TREE SUPPORT SYSTEMS DIRECTLY CONTACTING TREE TRUNK SHALL EITHER BE LOOSELY SECURED WIDE STRAPPING OR 1" MINIMUM WIDE PLASTIC INTERLOCK TYPE CHAIN.
- 22. ALL TREE SUPPORT SYSTEMS SHALL BE REMOVED WITHIN ONE YEAR OF INSTALLATION FROM TREES THAT DO NOT REQUIRE OBVIOUS
- STRAIGHTENING.
- 23. ANY SYNTHETIC ROPE AND FABRIC USED SHALL BE REMOVED COMPLETELY FROM PLANTING PIT AND DISPOSED OF PROPERLY.
- 24. BURLAP AND SISAL CORD SHALL NOT BE LEFT EXPOSED TO SOIL SURFACE.
- 25. ALL TREE TRUNK WRAP MATERIALS SHALL BE REMOVED DURING
- INSTALLATION PROCESS. 26. FERTILIZER SHALL NOT BE USED FOR TREES AND SHRUBS DURING THE
- FIRST YEAR AFTER INSTALLATION. 27. MULCH SHALL NOT BE PILED DIRECTLY ONTO TREE ROOT COLLAR.
- 28. ROOT BARRIER AS MANUFACTURED BY DEEP ROOT OR APPROVED EQUAL. TO BE PROVIDED ON ALL FOUR SIDES OF PLANTINGS LOCATED WITHIN 10 FT. OF NEW OR EXISTING CURB, PAVEMENT AND/OR SIDEWALKS.
- 29. THE LIGHTING AND LANDSCAPING PLAN TO BE USED FOR LIGHTING AND LANDSCAPING PURPOSES ONLY

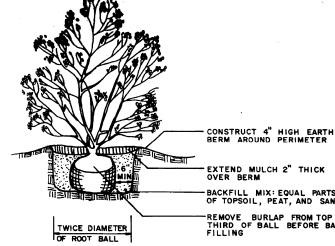




SECURE TREE WITH



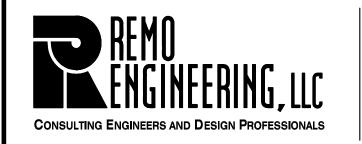
ROOT BARRIER DETAIL



SHRUB PLANTING DETAIL

No. DESCRIPTION OF REVISION DATE LIGHTING AND LANDSCAPING DETAILS SAINT SHARBEL MARONITE CHURCH LOTS 1, 2, 3, 4, 5 AND 6 IN BLOCK 261 526 EASTON AVENUE

SITUATED IN TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY



REVISED AS PER APPLICANT, ARCHITECT AND COUNTY

REVISED AS PER TOWNSHIP

205 ROUTE 9 NORTH #33 FREEHOLD, NJ 07728 732-303-7992 • 732-742-1001

MARCREMO@REMOENGINEERING.COM NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28098400

|03-01-2021| M.A.S. | M.A.R.

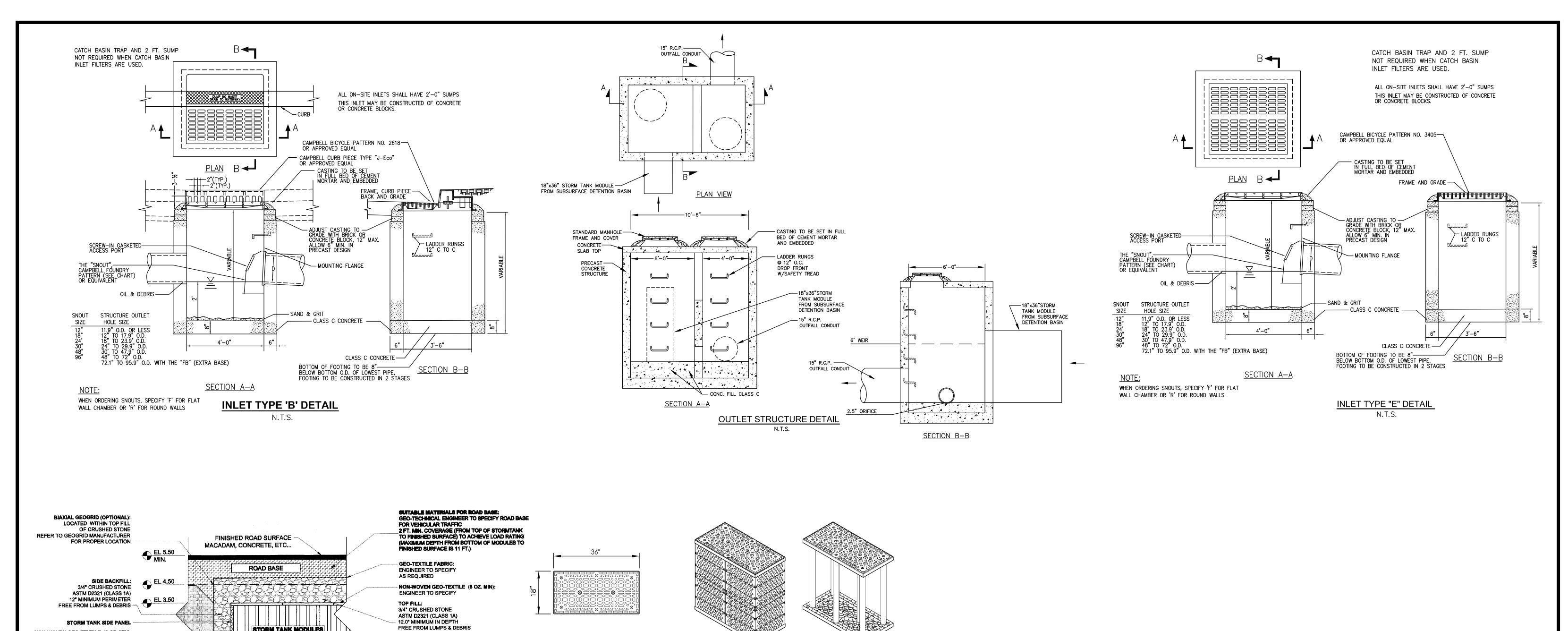
1-09-2020 M.A.S. M.A.R.

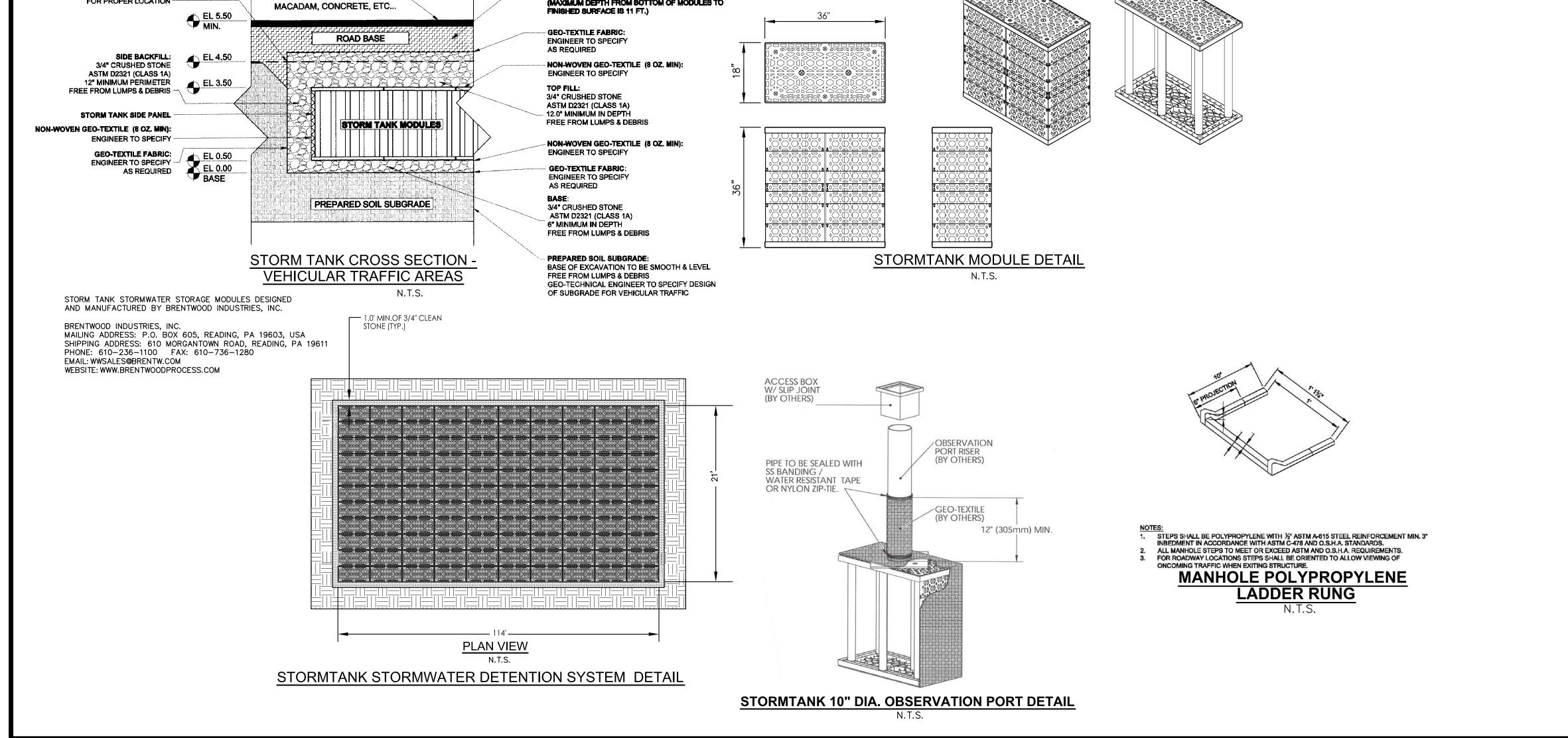
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SCALE: AS SHOW FILE NO: 0123190 DRAWN: M.A.S. CHECKED: M.A.R. DATE: 12-09-2019 SHEET NO.: 11 OF 1

MARC A. REMO, P.E., P.P., C.M.E. NJ PROFESSIONAL ENGINEER LIC. No. 37145 ♦ NJ PROFESSIONAL PLANNER LIC. No. 5195









SCALE: AS SHOW

MARC A. REMO, P.E., P.P., C.M.E.

NJ PROFESSIONAL ENGINEER LIC. No. 37145 • NJ PROFESSIONAL PLANNER LIC. No. 5195

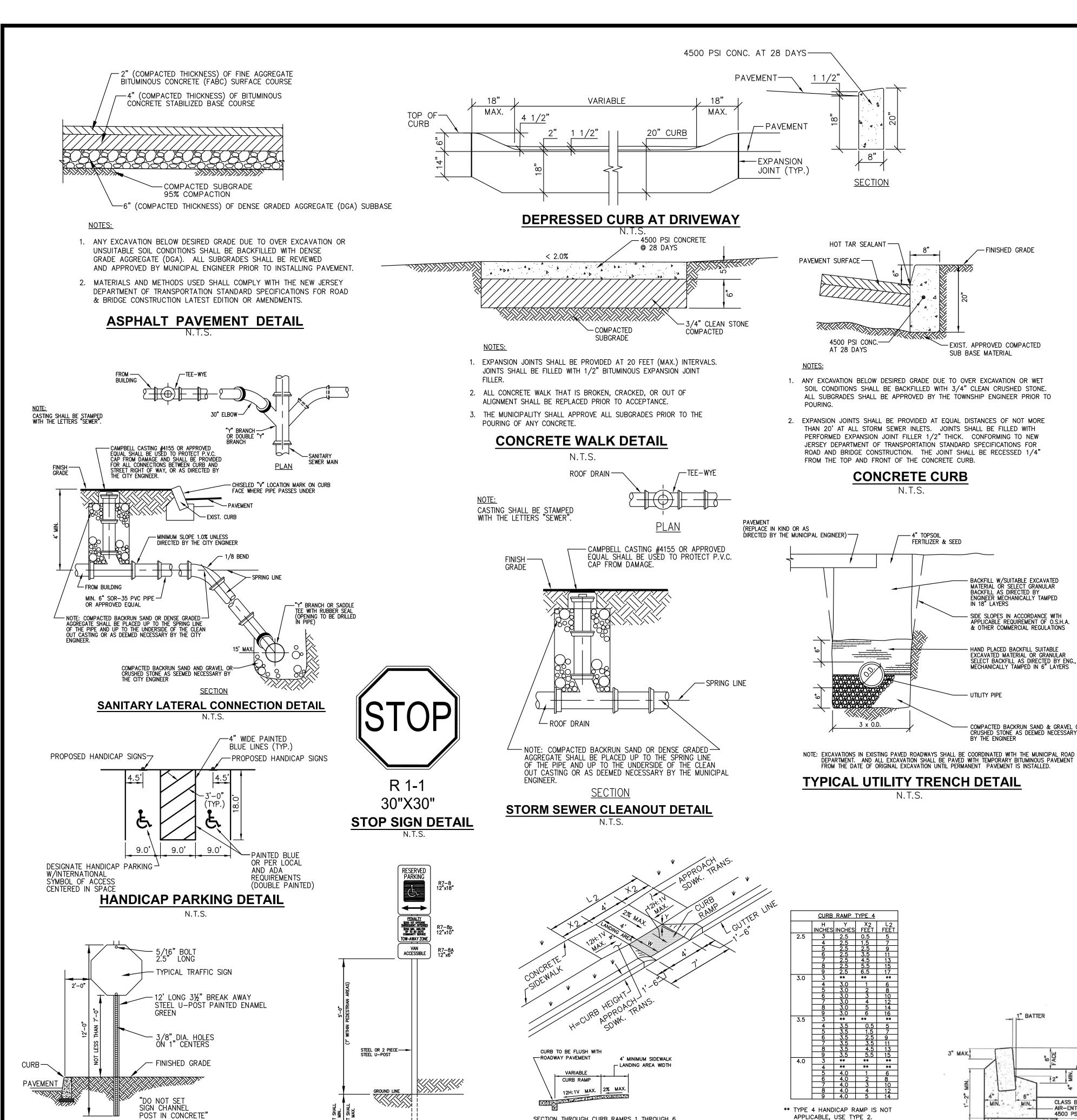
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DRAWN: M.A.S.

CHECKED: M.A.R.

DATE: 12-09-2019

SHEET NO.: 12 OF 16



**HANDICAPPED PARKING SIGNS** 

1. ALL REGULATORY AND WARNING SIGNS SHALL BE HIGH

2. ALL OTHER SIGNS SHALL BE ENGINEER GRADE SHEETING.

TYPICAL TRAFFIC SIGN POST DETAIL

N.T.S.

TRAFFIC CONTROL DEVICES", LATEST EDITION.

3. ALL SIGNS SHALL CONFORM TO THE "MANUAL ON UNIFORM

INTENSITY REFLECTIVE SHEETING.

4. SIGN POST SHALL BE 3LBS./FT.

SECTION THROUGH CURB RAMPS 1 THROUGH 6

**HANDICAP RAMP TYPE 4** 

LANDING AREA REQUIRED)

N.T.S.

GRASS BUFFER STRIP WITH



R3-2 24" X 24" **NO LEFT TURN SIGN DETAIL** N.T.S.

- FINISHED GRADE

-EXIST. APPROVED COMPACTED

BACKFILL W/SUITABLE EXCAVATED MATERIAL OR SELECT GRANULAR

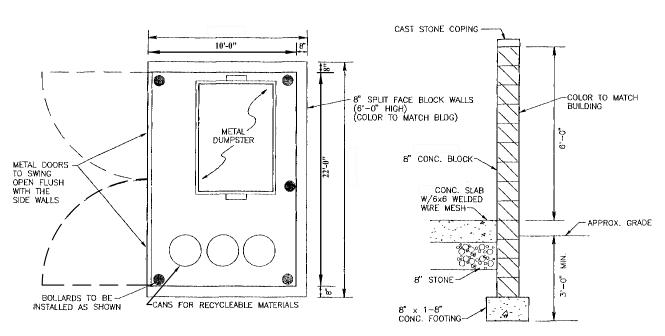
BACKFILL AS DIRECTED BY ENGINEER MECHANICALLY TAMPED IN 18" LAYERS

SIDE SLOPES IN ACCORDANCE WITH APPLICABLE REQUIREMENT OF O.S.H.A. & OTHER COMMERCIAL REGULATIONS

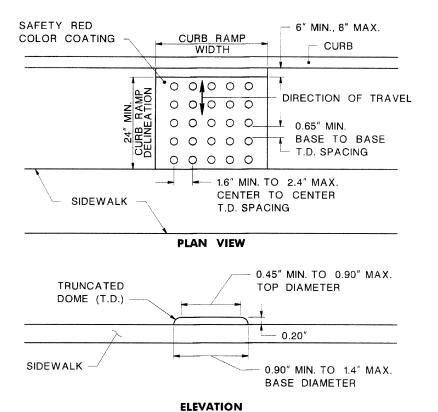
HAND PLACED BACKFILL SUITABLE EXCAVATED MATERIAL OR GRANULAR SELECT BACKFILL AS DIRECTED BY ENG., MECHANICALLY TAMPED IN 6" LAYERS

COMPACTED BACKRUN SAND & GRAVEL OR CRUSHED STONE AS DEEMED NECESSARY BY THE ENGINEER

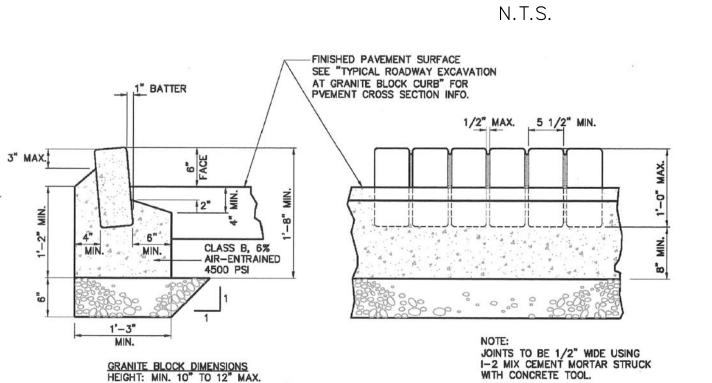
SUB BASE MATERIAL



#### TRASH AND RECYCLING AREA ENCLOSURE DETAIL



### **DETECTABLE WARNING SURFACE**



**GRANITE BLOCK CURB DETAIL** N.T.S.

No. DESCRIPTION OF REVISION

TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY

**CONSTRUCTION DETAILS** 

SAINT SHARBEL MARONITE CHURCH LOTS 1, 2, 3, 4, 5 AND 6 IN BLOCK 261

526 EASTON AVENUE SITUATED IN

**CONSTRUCTION NOTES** 

FOR REVIEW AND RESOLUTION.

1. PRIOR TO EXCAVATION CONTRACTOR SHALL OBTAIN A FIELD STAKEOUT OF ALL UNDERGROUND UTILITIES. FOR STAKEOUT, CONTACT

NEW JERSEY ONE CALL @ 1 800 272 1000. THE CONTRACTOR MUST VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ANY CONFLICTS WITH PROPOSED UTILITIES

SHALL BE BROUGHT TO THE ATTENTION OF REMO ENGINEERING, LLC

2. THE APPROVED SOIL EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED PRIOR TO SITE CLEARING AND GRADING OPERATIONS

3. ALL STORM SEWER SHALL BE REINFORCED CONCRETE PIPE (RCP).

7. A LASER MUST BE USED FOR LINE AND GRADE CONTROL ON ALL

STORM PIPE AND SANITARY PIPE INSTALLATIONS 8" OR LARGER.

10. BACKFILLING OF ALL PIPE TRENCHES IN PAVED AREAS SHALL BE BANK RUN SAND (OR BANK RUN GRAVEL) THOROUGHLY COMPACTED IN 6" LIFTS FOR THE ENTIRE DEPTH OF THE TRENCH TO WITHIN 8" BELOW

THE TOP OF THE EXISTING PAVEMENT. THE TOP 8" MUST BE

FILLED WITH TEMPORARY PAVEMENT. (REFER TO TOWNSHIP

11. BACKFILLING OF ALL PIPE TRENCHES IN AREAS OTHER THAN PAVED

OVER THE TOP OF PIPE AND THE REMAINDER OF THE TRENCH

12. ALL EARTH FILL SHALL BE FREE FROM BRUSH, ROOTS AND OTHER

13. ALL FILL MATERIAL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DENSITY OBTAINED FROM COMPACTION TESTS

14. MANHOLE AND INLET FRAMES, GRATES AND COVERS SHALL BE

STATES OF AMERICA AS PER NJDOT SPECIFICATIONS.

PERFORMED BY THE APPROPRIATE METHOD IN ASTM D698.

AREAS (LAWNS, LANDSCAPED BEDS) SHALL BE BANK RUN SAND (OR BANK RUN GRAVEL) TO A MINIMUM OF 12" COMPACTED THICKNESS

CAMPBELL FOUNDRY AND HAVE STORM SEWER OR SANITARY SEWER CAST INTO THE MANHOLE COVERS. CERTIFICATIONS FROM THE

15. ALL MANHOLE AND INLET FRAMES MUST BE GROUTED IN PLACE WITH

16. POLYPROPYLENE STEPS (RUNGS) SHALL BE USED IN ALL MANHOLES

17. DRAINAGE INLETS SHALL BE PROVIDED WITH A CATCH BASIN TRAP

18. ALL PROPOSED PARKING LOT DRAINS AND ROOF DRAINS SHALL BE

INSTALLATION AND BEFORE ANY LATERAL CONNECTIONS ARE MADE. THE CONTRACTOR SHALL SUPPLY AN AIR COMPRESSOR OF ADEQUATE

CAPACITY AND ONE PIPE PLUG OF APPROPRIATE SIZE FOR THE PIPE BEING TESTED. THE TEST SHALL BE WITNESSED BY PERSONNEL FROM

JOINTS TO BE LOCATED A MAXIMUM OF 20 FT. EXPANSION MATERIAL

TO BE PREMOLDED ASPHALT IMPREGNATED A MINIMUM OF 0.5" THICK.

CONCRETE MUST BE 4,500 PSI AT 28 DAYS WITH 4.5% TO 7.5% AIR ENTRAINMENT AND A MAXIMUM PERMITTED SLUMP OF 2" TO 4".

21. PAVEMENT IN DRIVEWAYS AND PARKING AREAS MUST BE A MINIMUM OF

STABILIZED BASE COURSE AND 2" (COMPACTED THICKNESS) OF

FINE AGGREGATE BITUMINOUS CONCRETE (FABC) SURFACE COURSE.

22. WHERE CONSTRUCTING SANITARY SEWER OR STORM SEWER IN EXISTING

PROVIDE A SMOOTH TRANSITION FROM PROPOSED REPLACEMENT

PAVEMENT TO EXISTING PAVEMENT.

FURTHER INFORMATION).

CONCRETE PLACEMENT.

PAVEMENT AREA, THE EXISTING PAVEMENT SHALL BE SAW CUT TO

23. NO ASPHALT PAVEMENT SHALL BE PLACED WHEN THE AIR TEMPERATURE IS BELOW 40° F. (REFER TO TOWNSHIP SPECIFICATIONS FOR

24. CONCRETE FOR CURBS OR SIDEWALKS MUST BE 4,500 PSI @ 28 DAYS WITH 4.5% TO 7.5% AIR ENTRAINMENT AND A MAXIMUM PERMITTED

HE TOWNSHIP DIVISION OF ENGINEERING 24 HOURS PRIOR TO

SPECIFICATIONS. REQUESTS FOR TESTING MUST BE MADE TO THE DIVISION OF ENGINEERING NOT LATER THAN 3:00 PM OF THE DAY PRIOR TO POURING AFTER THE FORMS HAVE BEEN INSPECTED AND

BELOW 40° F. (REFER TO TOWNSHIP SPECIFICATIONS FOR FURTHER

25. ALL CONCRETE SHALL BE TESTED. TESTING SHALL BE CONDUCTED BY AN INDEPENDENT LAB TO INSURE CONFORMANCE TO TOWNSHIP

26. NO CONCRETE SHALL BE PLACED WHEN THE AIR TEMPERATURE IS

27. ALL CURB TO BE CONSTRUCTED ONSITE SHALL BE GRANITE BLOCK CURB, 10" TO 12" HIGH, CONSTRUCTED WITH A 6" FACE AND IN

28. ALL CURB TO BE CONSTRUCTED ON ADJACENT ROADWAYS SHALL BE

29. ALL CURB TO BE CONSTRUCTED WITHIN THE STATES RIGHT-OF-WAY

30. PARKING SPACE STRIPES SHALL BE FOUR (4) INCHES WIDE USING

32. HANDICAP RAMPS SHALL BE CONSTRUCTED WHERE INDICATED, IN CONFORMANCE WITH NJDOT SPECIFICATIONS.

33. ALL CONSTRUCTION SHALL CONFORM TO TOWNSHIP OF FRANKLIN

LATEST EDITION OR AMENDMENTS, WHERE APPLICABLE.

31. ALL PROPOSED TRAFFIC CONTROL SIGNAGE SHALL BE IN ACCORDANCE

8" x 20" CONCRETE CURB, CONSTRUCTED WITH A 6" FACE AND IN

SHALL BE 9" x 18" WHITE CONCRETE VERTICAL CURB, CONSTRUCTED

WITH A 6" FACE AND IN CONFORMANCE WITH NJDOT SPECIFICATIONS.

STANDARD SPECIFICATIONS LATEST EDITION OR AMENDMENTS, AND/OR

AMENDMENTS, AND/OR NEW JERSEY DEPARTMENT OF TRANSPORTATION

SOMERSET COUNTY STANDARD SPECIFICATIONS LATEST EDITION OR

STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION

CONFORMANCE WITH TOWNSHIP SPECIFICATIONS AND/OR COUNTY

APPROVED BY THE DIVISION OF ENGINEERING.

SPECIFICATION, WHERE APPLICABLE.

WITH THE AASHTO'S MUTCD.

SLUMP OF 2" TO 4". FORM INSPECTIONS MUST BE REQUESTED OF

6" (COMPACTED THICKNESS) OF DENSE GRADED AGGREGATE SUBBASE COURSE AND 4" (COMPACTED THICKNESS) OF BITUMINOUS CONCRETE

20. CONCRETE PAVEMENT MUST BE A MINIMUM OF 8" THICK. CONCRETE

SHALL BE REINFORCED WITH 6" x 6" 10 GAGE WIRE MESH. REINFORCING SHALL BE PLACED IN THE TOP 1/3. EXPANSION

CONNECTED TO THE SUBSURFACE DETENTION SYSTEM.

19. SANITARY SEWER MAINS SHALL BE AIR TESTED SOON AFTER

TOWNSHIP OF FRANKLIN DIVISION OF ENGINEERING.

MANUFACTURERS ARE REQUIRED FOR ALL CASTINGS STATING THAT SAID

CASTINGS CONFORM TO ASTM 4 48 64 CLASS 30 B GREY CAST IRON SPECIFICATIONS. ALL CASTINGS MUST BE MADE IN THE UNITED

8. ALL PIPE SHALL BE BEDDED ON A MINIMUM OF 6" OF 3/4" CLEAN

9. ALL PROPOSED UTILITIES SHALL BE LOCATED UNDERGROUND.

ON THE PLAN OR AS DIRECTED BY THE MUNICIPALITY.

STONE OR AS SHOWN ON THE PLANS.

SPECIFICATIONS FOR FURTHER INFORMATION).

ORGANIC MATERIAL SUBJECT TO DECOMPOSITION.

BACKFILLED WITH SUITABLE MATERIAL.

A 1:2 CEMENT SAND MORTAR.

AND 2' SUMP.

4. ALL SANITARY SEWER PIPE 8" OR LARGER SHALL BE SDR-35 PVC. 5. ALL SANITARY LATERALS SHALL BE PVC PLASTIC SCHEDULE 40. 6. SANITARY LATERAL CLEANOUTS SHALL BE CONSTRUCTED AS SHOWN

732-303-7992 • 732-742-1001

CONSULTING ENGINEERS AND DESIGN PROFESSIONALS

REVISED AS PER APPLICANT, ARCHITECT AND COUNTY

REVISED AS PER TOWNSHIP

MARCREMO@REMOENGINEERING.COM NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28098400

205 ROUTE 9 NORTH #33 FREEHOLD, NJ 07728

SCALE: AS SHOW

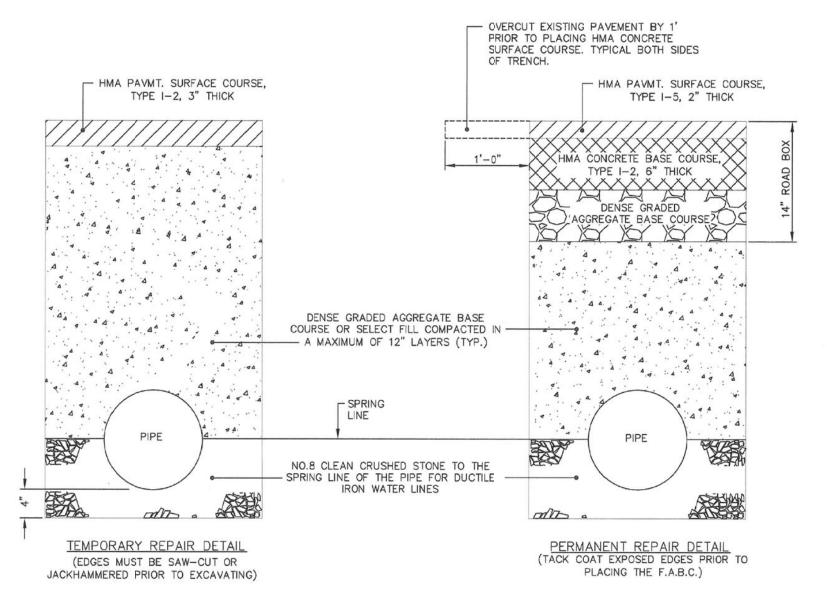
MARC A. REMO, P.E., P.P., C.M.E. NJ PROFESSIONAL ENGINEER LIC. No. 37145 ♦ NJ PROFESSIONAL PLANNER LIC. No. 5195

FILE NO: 0123190 DRAWN: M.A.S. CHECKED: M.A.R. DATE: 12-09-2019 SHEET NO.: 13 OF 16

03-01-2021 M.A.S. M.A.R.

1-09-2020 M.A.S. M.A.R.

DATE DRAWN CHECKED



**COUNTY TRENCH RESTORATION DETAIL** N.T.S.

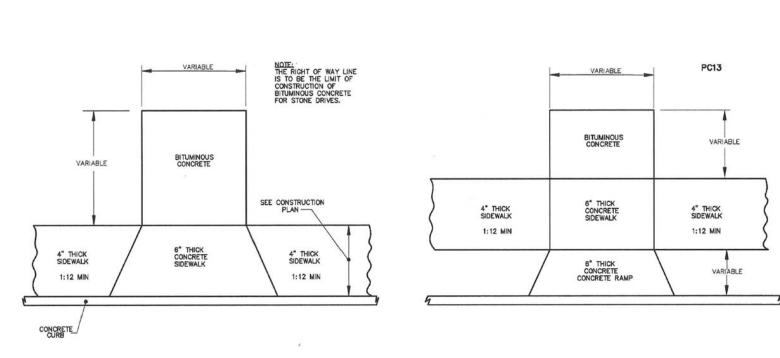
VARIES

#### PC1 PAVEMENT SURFACE -R=1/2 LEXPANSION JOINT 9" **CURBING END SECTION** SECTION A-A 3" OF 3/4" CLEAN STONE INCLUDED IN COST OF "9"x20" CONCRETE VERTICAL CURB" 18" MAX. \_ TOP OF CURB **PAVEMENT** SURFACE 9 6 1/2" (4 1/2" FOR TOTAL RECONSTRUCTION PROJECTS) 12" (14" FOR TOTAL RECONSTRUCTION PROJECTS) METHOD OF DEPRESSING CURB AT DRIVEWAYS **NOTES** 1. EXPANSION JOINTS ALTERNATE EVERY 10 FEET WITH CONSTRUCTION JOINTS. EXPANSION JOINTS SHALL BE FILLED WITH PREFORMED, BITUMINOUS-IMPREGNATED FIBER JOINT FILLER RECESSED 1/4" FROM THE FACE AND TOP OF THE CURB. SUCH JOINTS SHALL BE

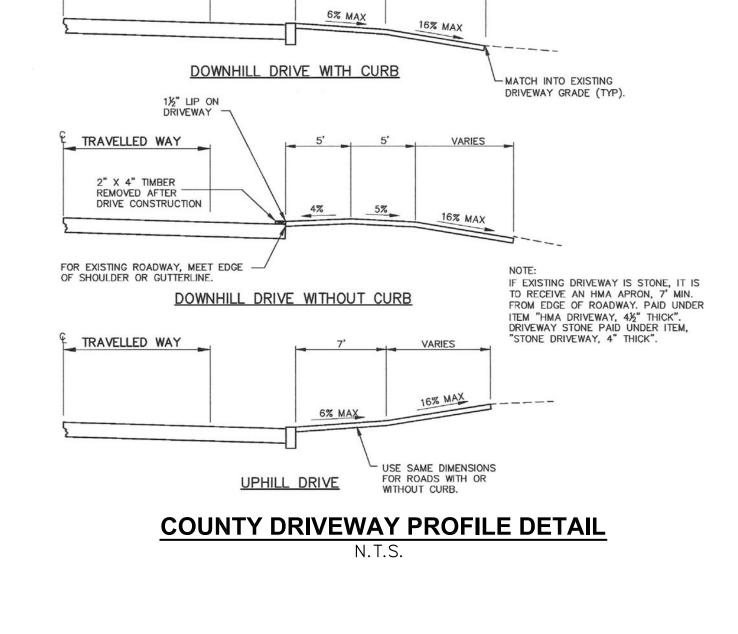
INSTALLED BETWEEN CURB AND INLET HEADS.

- 2. ALL JOINTS SHALL EXTEND THE FULL 20" DEPTH OF THE CURB.
- 3. THE CURB SHALL BE COMPOSED OF CLASS "B" CONCRETE.

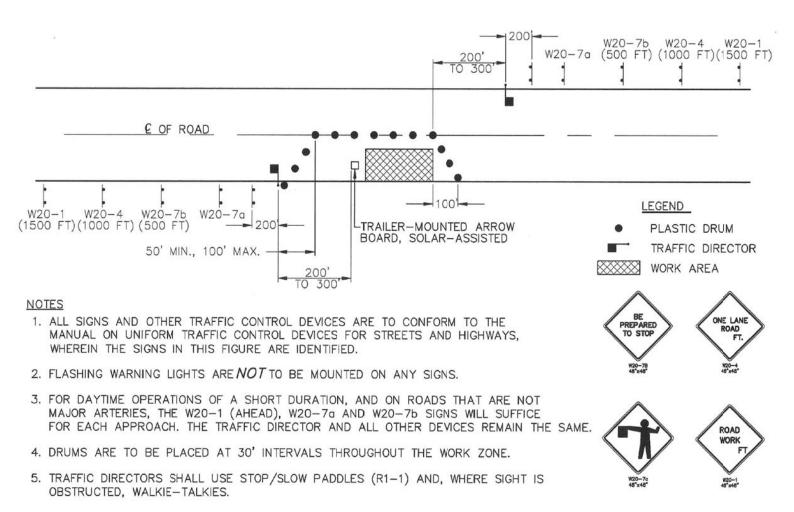
#### **COUNTY 9" x 20" CONCRETE CURB DETAIL** N.T.S.



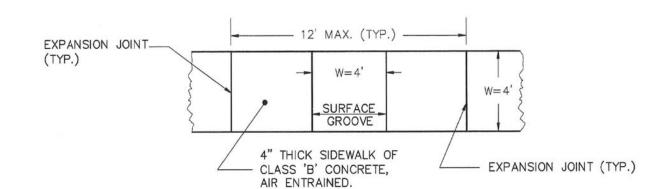
**COUNTY DRIVEWAYS WITH SIDEWALKS DETAIL** 



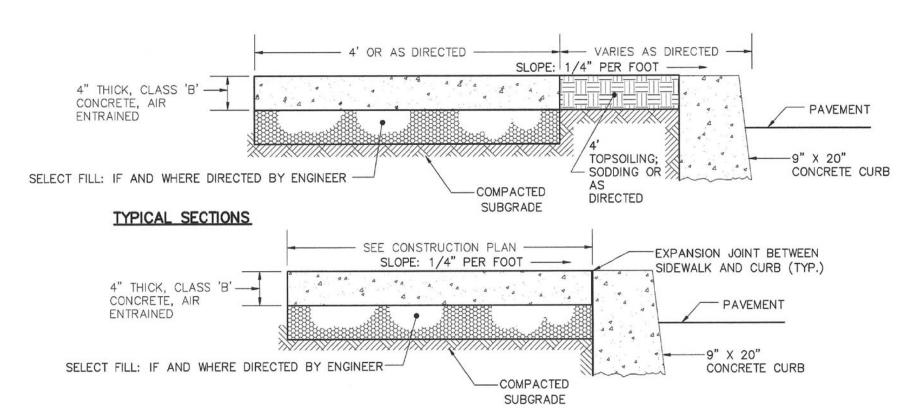
TRAVELLED WAY



#### COUNTY TYPICAL ONE LANE CLOSURE OPERATION DETAIL



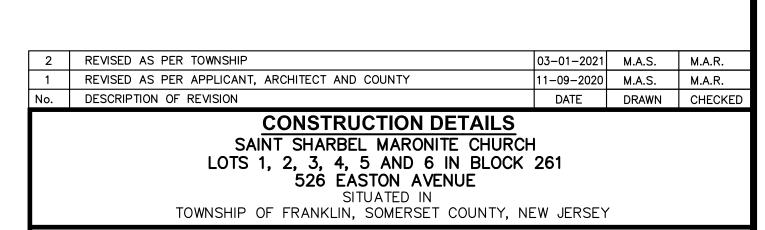
#### JOINT PLACEMENT DETAIL



**COUNTY CONCRETE SIDEWALK DETAIL** N.T.S.

#### COUNTY STANDARD CONSTRUCTION NOTES FOR ROAD IMPROVEMENTS

- 1. Prior to the initiation of any excavation or construction within any street, road, or right of way under the jurisdiction of the Somerset County Board of Chosen Freeholders, a Somerset County Road Opening Permit shall be obtained from the Office of the County Engineer.
- 2. The Office of the County Engineer is to be notified seventy-two (72) hours in advance of commencement of construction of any improvements under the jurisdiction of the County of Somerset. Grade construction sheets will be submitted at this time. These grade construction sheets are to be signed and sealed by a professional land surveyor.
- 3. As indicated in the "Manual on Uniform Traffic Control Devices," proper and sufficient construction warning signs are to be provided and maintained by contractors performing construction work along County roads. Said signs are to be maintained until construction is completed and approved by the appropriate County inspection personnel.
- 4. All improvements under the jurisdiction of the County of Somerset are to be constructed in accordance with Somerset County Specifications.
- 5. All mailboxes, located within the construction improvements in the County R.O.W. will be reset in accordance with the owner of the mailbox and the postmaster.
- 6. Information monuments, markers, disks, rivets of the National Geodetic Control Survey may be obtained from the New Jersey Department of Transportation, Geodetic Division, 1035 Parkway Avenue, Trenton, NJ, telephone #(609) 530-5641; or the Somerset County Engineering Division, telephone #(908) 231-7024, ext. 7512.
- 7. The New Jersey Geodetic Control Survey, at the above address, is to be notified two (2) weeks in advance of commencement of construction of any improvements in order to preserve the resetting of existing monuments, or installation of new monuments if required



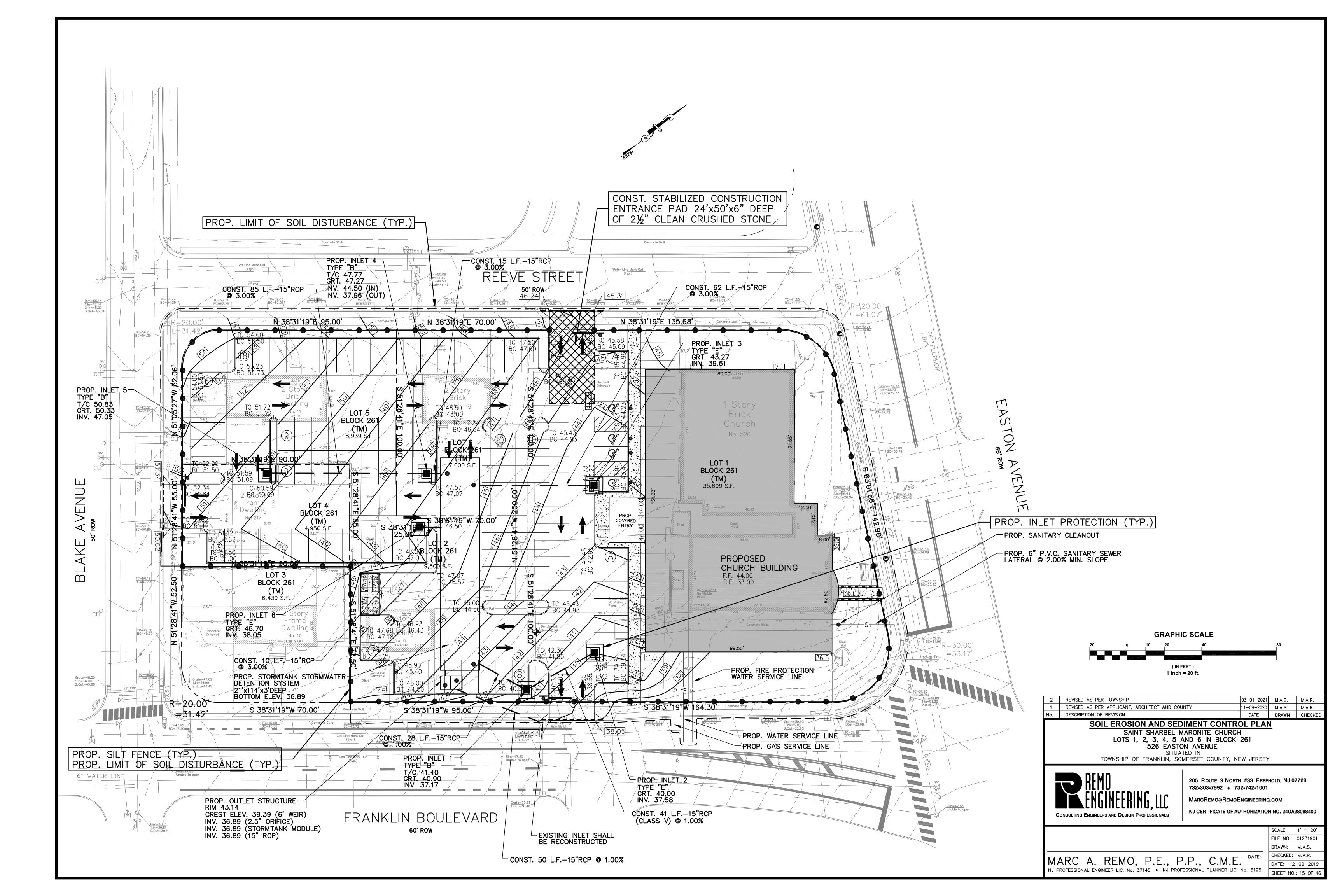


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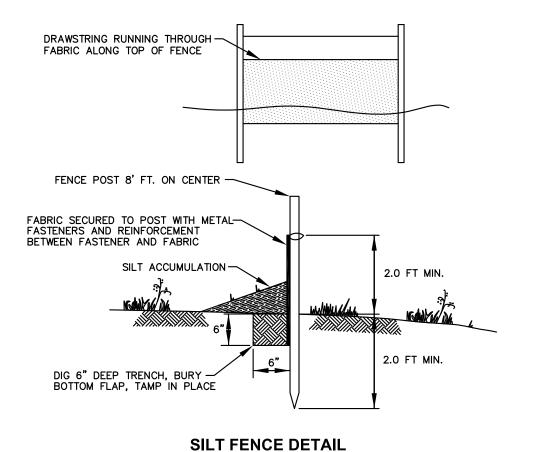
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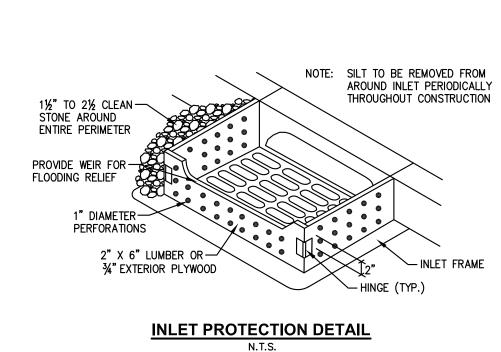


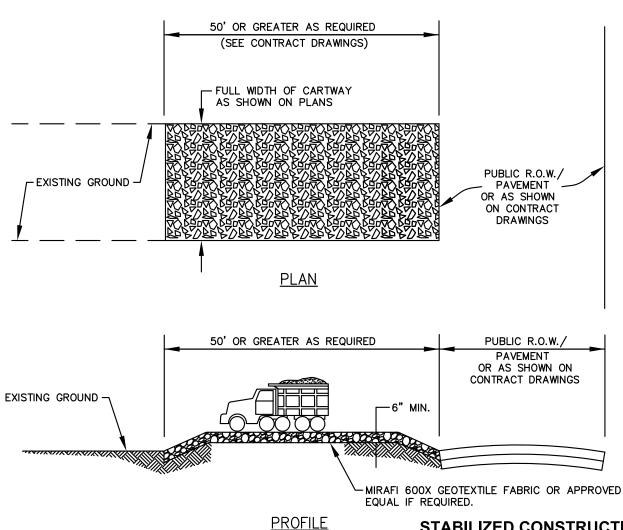
#### **DUST CONTROL NOTES**

ANY OF THE FOLLOWING METHODS SHALL BE USED FOR DUST CONTROL:

- 1. MULCHES: SEE STABILIZATION SPECIFICATIONS.
- 2. TILLAGE: TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL TYPE PLOWS SPACED APPROXIMATELY 12" APART, AND SPRING TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- 3. SPRINKLING: SITE IS SPRINKLED UNTIL THE SURFACE IS WET.
- 4. BARRIERS: BALES OF HAY AND/OR SILT STOP FENCES CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.







#### <u>)TES:</u> PROVIDE APPROPRIATE TR

- 1. PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION DRIVEWAY AND PUBLIC R.O.W.
- 2. PLACE STABILIZED CONSTRUCTION DRIVEWAY AT LOCATION(S) AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.

  3. STONE SIZE SHALL BE ASTM C-33, SIZE NO.2 OR 3, CRUSHED
- 4. THE THICKNESS OF THE STABILIZED CONSTRUCTION DRIVEWAY SHALL NOT BE LESS THAN 6".
- 5. THE WIDTH AT THE EXISTING PAVEMENT SHALL NOT BE LESS THAN THE FULL WIDTH OF POINTS OF INGRESS AND EGRESS.
- 6. THE STABILIZED CONSTRUCTION DRIVEWAY SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC R.O.W./PAVEMENT. THIS REQUIRES PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP SEDIMENT OR AS MAYBE REQUIRED BY THE DISTRICT AS CONDITIONS DEMAND.
- ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO THE PUBLIC R.O.W. PAVEMENT MUST BE REMOVED IMMEDIATELY.
- 8. WHERE TRACKING OF SOIL ONTO ROADWAYS IS A CONTINUAL OCCURRENCE, ALL CONTRACTORS, BOTH SITE AND DWELLING CONTRACTORS, SHALL BE REQUIRED TO BROOMSWEEP THE ROADWAY AT TWO—HOUR INTERVALS MINIMUM AND PRIOR TO LEAVING THE CONSTRUCTION SITE AT THE DAY END.
- 9. PLACE MIRAFI 600X GEOTEXTILE FABRIC OR APPROVED EQUAL AT POORLY DRAINED LOCATIONS UNDER STABILIZED CONSTRUCTION DRIVEWAY, IF REQUIRED.

#### STABILIZED CONSTRUCTION DRIVEWAY

#### **SOIL EROSION AND SEDIMENT CONTROL NOTES**

- 1. THE SOMERSET UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED FORTY—EIGHT (48) HOURS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.
- 2. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- 3. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLANS WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE—CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
- 4. N.J.S.A. 4:24—39 ET. SEQ. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE DISTRICT DETERMINES THAT A PROJECT OR PORTION THEREOF IS IN FULL COMPLIANCE WITH THE CERTIFIED PLAN AND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY AND A REPORT OF COMPLIANCE HAS BEEN ISSUED. UPON WRITTEN REQUEST FROM THE APPLICANT, THE DISTRICT MAY ISSUE A REPORT OF COMPLIANCE WITH CONDITIONS ON A LOT—BY—LOT OR SECTION—BY—SECTION BASIS, PROVIDED THAT THE PROJECT OR PORTION THEREOF IS IN SATISFACTORY COMPLIANCE WITH THE SEQUENCE OF DEVELOPMENT AND TEMPORARY MEASURES FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN IMPLEMENTED, INCLUDING PROVISIONS FOR STABILIZATION AND SITE WORK.
- 5. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SIXTY (60) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF 2 TO 2½ TONS PER ACRE, ACCORDING TO THE STANDARD FOR STABILIZATION WITH MULCH ONLY.
- 6. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. SOIL STOCKPILES, STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AND A MULCH ANCHOR, IN ACCORDANCE WITH STATE STANDARDS.
- 7. A SUB BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN FIFTEEN (15) DAYS OF THE PRELIMINARY GRADING.
- 8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A PAD OF CLEAN CRUSHED STONE AT POINTS WHERE TRAFFIC WILL BE ACCESSING THE CONSTRUCTION SITE. AFTER INTERIOR ROADWAYS ARE PAVED, INDIVIDUAL LOTS REQUIRE A STABILIZED CONSTRUCTION ACCESS CONSISTING OF ONE INCH TO TWO INCH (1" 2") STONE FOR A MINIMUM LENGTH OF TEN FEET (10') EQUAL TO THE LOT ENTRANCE WIDTH. ALL OTHER ACCESS POINTS SHALL BE BLOCKED OFF.
- 9. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT OF WAYS WILL BE REMOVED IMMEDIATELY.
- 10. PERMANENT VEGETATION IS TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING.
- 11. AT THE TIME THAT SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT IT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
- 12. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4 OR LESS OR CONTAINING IRON SULFIDES SHALL BE ULTIMATELY PLACED OR BURIED WITH LIMESTONE APPLIED AT THE RATE OF 10 TONS PER ACRE, (OR 450 LBS PER 1,000 SF OF SURFACE AREA) AND COVERED WITH A MINIMUM OF TWELVE (12) INCHES OF SETTLED SOIL WITH A PH OF 5 OR MORE, OR (24) INCHES WHERE TREES OR SHRUBS ARE TO BE PLANTED.
- 13. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- 14. UNFILTERED DEWATERING IS NOT PERMITTED. NECESSARY
  PRECAUTIONS MUST BE TAKEN DURING ALL DEWATERING OPERATIONS
  TO MINIMIZE SEDIMENT TRANSFER. ANY DEWATERING METHODS USED
  MUST BE IN ACCORDANCE WITH THE STANDARD FOR DEWATERING.
- 15. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED AS REQUIRED BY THE STANDARD FOR DUST CONTROL.
- 16. STOCKPILE AND STAGING LOCATIONS ESTABLISHED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF SOIL DISTURBANCE ACCORDING TO THE CERTIFIED PLAN. STAGING AND STOCKPILES NOT LOCATED WITHIN THE LIMIT OF DISTURBANCE WILL REQUIRE CERTIFICATION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN. CERTIFICATION OF A NEW SOIL EROSION AND SEDIMENT CONTROL PLAN MAY BE REQUIRED FOR THESE ACTIVITIES IF AN AREA GREATER THAN 5,000 SF IS DISTURBED.
- 17. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 6.
- 18. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFFSITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.

#### STANDARD FOR TOPSOILING

#### 1. MATERIALS

TOPSOIL SHOULD BE FRIABLE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH. A PH RANGE OF 5.0-7.5 IS ACCEPTABLE. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER). TOPSOIL HAULED IN FROM OFF SITE SHOULD HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75%. ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES.

#### 2. STRIPPING AND STOCKPILING

- A. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
- B. STRIPPING SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
- C. WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO 6.5. IN LIEU OF SOIL TESTS, SEE LIME RATE GUIDE IN SEEDBED PREPARATION FOR PERMANENT VEGETATIVE COVER.
- D. A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.
- E. STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF—SITE ENVIRONMENTAL DAMAGE.
- F. STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH STABILIZATION SPECIFICATIONS.

#### 3. SITE PREPARATION

- A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE.
- B. SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENT AND LIMESTONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL PH TO 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
- C. IMMEDIATELY PRIOR TO TOPSOIL DISTRIBUTION, THE SURFACE SHOULD BE SCARIFIED TO PROVIDE A GOOD BOND WITH THE TOPSOIL.
- D. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS.

#### 4. APPLYING TOPSOIL

- A. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE (I.E. LESS THAN FIELD CAPACITY).
- B. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS RECOMMENDED. SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OR SOIL HAVING A PH OF 5.0 OR MORE

#### **STABILIZATION SPECIFICATIONS**

#### 1. TEMPORARY SEEDING AND MULCHING

TO 90 LBS. PER SQUARE FEET.

MATERIALS.

LIME - USE 2 TONS PER ACRE GROUND LIMESTONE; FERTILIZER AT 500 LBS. PER ACRE, USING 10-10-10 OR EQUIVALENT WORK INTO THE SOIL AT A MINIMUM OF 4".

SEED — ANNUAL RYEGRASS AT 40 LBS. PER ACRE. PLANTING DATES MARCH 1 THROUGH MAY 15 AND AUGUST 15 THROUGH SEPTEMBER 30.

MULCHING - USE SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70

LIQUID MULCHING BINDER — SYNTHETIC OR ORGANIC BINDERS SUCH AS CURASOL, DCA 70, PETRO — SET, AND TERRA — TACK MAY BE USED AT

2. PERMANENT SEEDING (LAWN AREA)

LIME - USE 3 TONS PER ACRE GROUND LIMESTONE; FERTILIZER AT 500 LBS. PER ACRE, USING 10-10-10 OR EQUIVALENT WORKED INTO THE SOIL A MINIMUM OF 4".

RATES RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH

SEED - NEW JERSEY SESC MIX #16 SEEDING MIXTURE (80% TURF TYPE TALL FESCUE/10% PERENNIAL RYE/10% BLUEGRASS) SEEDED AT A RATE OF 200 LBS. PER ACRE, TO ENSURE A DROUGHT AND HEAT RESISTANT TURF. PLANTING DATES MARCH 1 THROUGH MAY 15 AND AUGUST 15 THROUGH SEPTEMBER 30.

MULCHING — USE THE SAME SPECIFICATIONS LISTED IN "TEMPORARY SEEDING AND MULCHING". INSTALL AS REQUIRED.

3. PERMANENT SEEDING (STEEP BANKS)

NOTE: THESE AREAS ARE TO BE SEEDED AND MULCHED IMMEDIATELY AFTER GRADING.

LIME - USE 2 TON PER ACRE GROUND LIMESTONE; FERTILIZER AT 1,000 LBS. PER ACRE USING 10-10-10 OR EQUIVALENT.

SEED — USE KENTUCKY FESCUE SEEDED AT A RATE OF 200 LBS. PER ACRE, TO ENSURE ADEQUATE COVERAGE AND GERMINATION.

#### 4. PERMANENT STABILIZATION BY SODDING

LIME — USE 2 TONS PER ACRE GROUND LIMESTONE; FERTILIZER AT 1,000 LBS. PER ACRE USING 10 10 10 OR EQUIVALENT.

SOD — USE GOOD QUALITY OF NEW JERSEY CERTIFIED, KENTUCKY BLUEGRASS AND/OR RED FESCUE.

#### CONSTRUCTION SEQUENCE

 CLEAR PROPOSED ENTRANCE AND PLACE STABILIZED CONSTRUCTION ENTRANCE PAD AS NOTED. INSTALL SEDIMENT CONTROL STRUCTURES (I.E. SILT FENCE) ADJACENT TO THE LIMIT OF SOIL DISTURBANCE AS SHOWN.

#### 1 WEEK

2. CLEAR LAND AREA TO BE DEVELOPED. TREES SHALL REMAIN WHEREVER POSSIBLE. STOCK PILE AND SEED OR MULCH TOPSOIL.

1 WEEK

3. DEMOLISH BUILDINGS, PAVEMENT AND OTHER SITE FEATURES.

3 WEEKS

4. ROUGH GRADE THE SITE.

2 WEEKS

5. BEGIN BUILDING CONSTRUCTION

40 WEEKS

6. CONSTRUCT STORM SEWER, SUBSURFACE DETENTION SYSTEM AND ALL ITS APPURTENANCES. INSTALL THE REMAINING SEDIMENT CONTROL MEASURES AROUND DRAINAGE INLETS.

4 WEEKS

7. CONSTRUCT SANITARY SEWER LATERAL, WATER SERVICE LINE, GAS SERVICE LINE AND ELECTRIC SERVICE LINE.

3 WEEKS

8. CONSTRUCT CURB.

2 WEEKS

9. BEGIN FINE GRADING

2 WEEKS

10. STABILIZE ALL AREAS NOT SUBJECT TO CONSTRUCTION TRAFFIC THAT WILL REMAIN LEFT EXPOSED FOR MORE THAN 30 DAYS.

1 WEEK

11. CONSTRUCT LIGHTING AND UNDERGROUND ELECTRIC SERVICE.

3 WEEKS

12. CONSTRUCT SIDEWALK.

2 WEEKS

13. CONSTRUCT DRIVEWAY AND PARKING LOT PAVEMENT.

2 WEEKS

14. INSTALL LANDSCAPING.

2 WEEKS

15. STABILIZE ALL DISTURBED AREAS IN ACCORD WITH APPLICABLE TEMPORARY OR PERMANENT SEEDING SPECIFICATIONS AND REMOVE SEDIMENT AROUND SEDIMENT CONTROL STRUCTURES.

1 WEEK

16. WHEN AREA IS STABILIZED, SEDIMENT CONTROL STRUCTURES CAN BE REMOVED.

1 WEEK

#### NOTE

THE CONSTRUCTION SEQUENCES WILL OVERLAP. EACH SEQUENCE MAY BEGIN PRIOR TO THE COMPLETION OF THE PREVIOUS SEQUENCE. ACTUAL CONSTRUCTION DURATION MAY VARY.

#### CONSTRUCTION DURATION OF PROJECT

THE CONSTRUCTION DURATION IS ESTIMATED TO BE 70 WEEKS.

1 REVISED AS PER APPLICANT, ARCHITECT AND COUNTY 11-09-2020 M.A.S. M.A.R.	COULED COLON AND CEDIMENT CONTROL DETAIL C							
	No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED			
2 REVISED AS PER TOWNSHIP 03-01-2021 M.A.S. M.A.R.	1	REVISED AS PER APPLICANT, ARCHITECT AND COUNTY	11-09-2020	M.A.S.	M.A.R.			
	2	REVISED AS PER TOWNSHIP	03-01-2021	M.A.S.	M.A.R.			

SOIL EROSION AND SEDIMENT CONTROL DETAILS

SAINT SHARBEL MARONITE CHURCH

LOTS 1, 2, 3, 4, 5 AND 6 IN BLOCK 261

SITUATED IN
TOWNSHIP OF FRANKLIN, SOMERSET COUNTY, NEW JERSEY

526 EASTON AVENUE



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732-303-7992 ◆ 732-742-1001

MARCREMO@REMOENGINEERING.COM

NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28098400

SCALE: AS SHOW
FILE NO: 01231901
DRAWN: M.A.S.
CHECKED: M.A.R.

MARC A. REMO, P.E., P.P., C.M.E.

NJ PROFESSIONAL ENGINEER LIC. No. 37145 • NJ PROFESSIONAL PLANNER LIC. No. 5195

DATE: 12-09-2019 SHEET NO.: 16 OF 1