

# PROPOSED BUILDING ADDITION

MAP E5 STREET 4680 LOT S0003A  
52 NATIONAL DRIVE  
GLASTONBURY, CONNECTICUT

PREPARED FOR:  
FIFTY TWO NATIONAL DRIVE, LLC

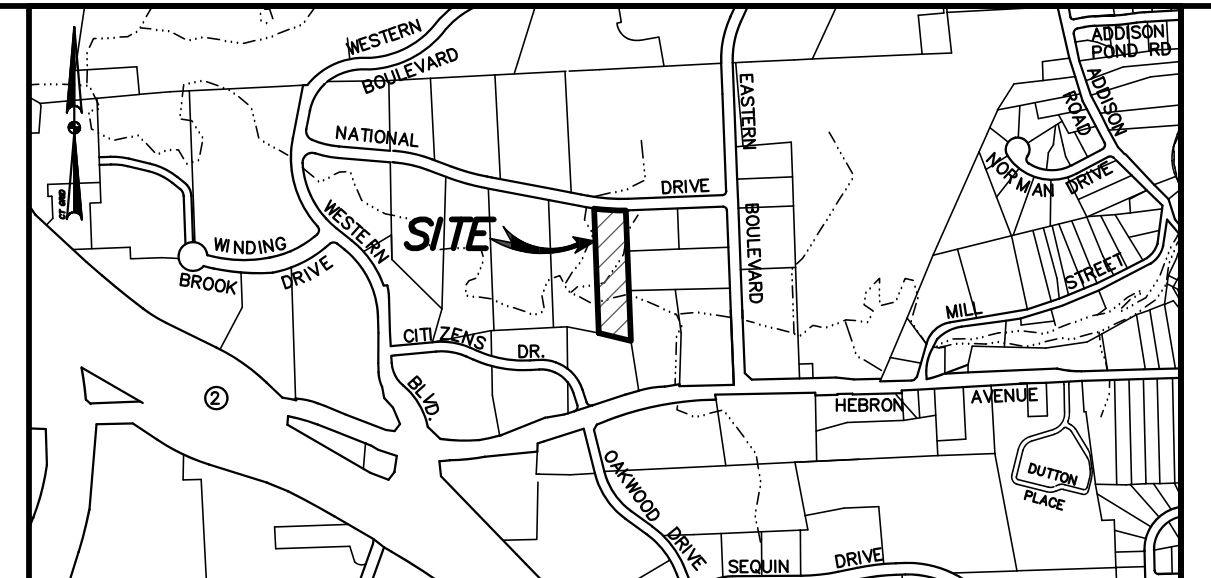
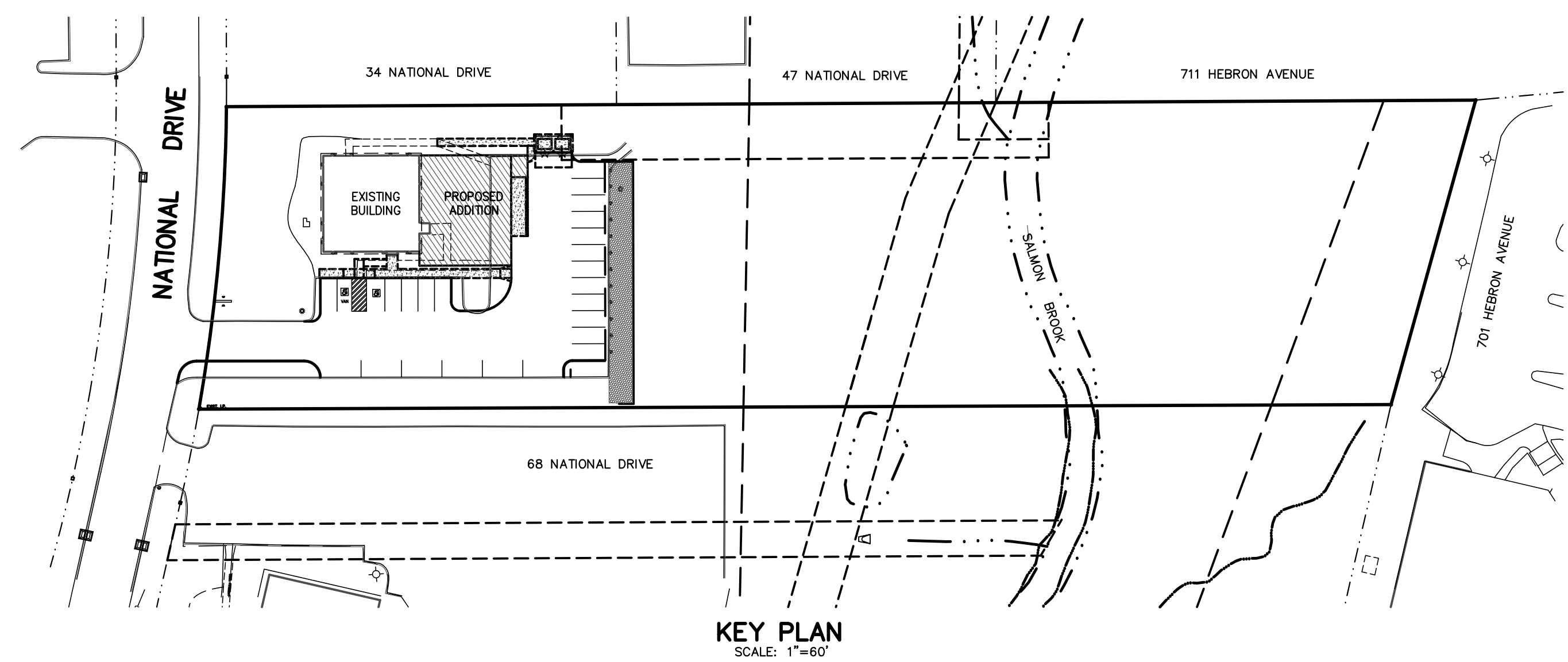
PREPARED BY  
**DUTTON ASSOCIATES, LLC**  
67 EASTERN BOULEVARD  
GLASTONBURY, CT

**LEGEND**

| EXISTING    | PROPOSED                       |
|-------------|--------------------------------|
| ● I.P. FND. | ○ IRON PIN                     |
| ■ MON. FND. | □ CONCRETE MONUMENT            |
| —           | — PROPERTY BOUNDARY LINE       |
| - - -       | - - - ABUTTING PROPERTY LINE   |
| —           | — BUILDING LINE                |
| - - -       | - - - FLOOD ZONE LINE          |
| - - -       | - - - EASEMENT LINE            |
| [ ]         | [ ] DRAINAGE EASEMENT AREA     |
| [ ]         | [ ] SEWER EASEMENT AREA        |
| [ ]         | [ ] CONSERVATION EASEMENT AREA |
| —           | — GROUND CONTOUR LINES         |
| ○           | ○ SPOT ELEVATION               |
| ○           | ○ SOIL TYPE SYMBOL             |
| —           | — WETLAND LIMIT LINE           |
| —           | — WETLAND FLAG                 |
| —           | — EDGE OF WATER                |
| —           | — TREE LINE                    |
| —           | — TREE / SHRUB                 |
| —           | — SIGNS                        |
| —           | — LIGHT                        |
| —           | — BUILDING                     |
| —           | — BUILDING WITH OVERHANG       |
| —           | — STEPS/HATCHWAY               |
| —           | — CURBING                      |
| —           | — EDGE OF BITUMINOUS PAVEMENT  |
| —           | — EDGE OF CONCRETE PAVEMENT    |
| —           | — CONCRETE SIDEWALK            |
| —           | — DOUBLE YELLOW LINE           |
| —           | — SOLID WHITE LINE             |
| —           | — UNDERGROUND ELECTRIC UTILITY |
| —           | — GAS LINE                     |
| —           | — WATER SERVICE LINE           |
| —           | — WATER MAIN                   |
| —           | — WATER GATE/CURB STOP         |
| —           | — HYDRANT                      |
| —           | — SANITARY SEWER LINE          |
| —           | — SANITARY MANHOLE             |
| —           | — STORM DRAIN LINE             |
| —           | — DRAINAGE MANHOLE             |
| —           | — CULVERT END                  |
| —           | — STORM DRAIN STRUCTURE        |
| —           | — TEST PIT                     |
| —           | — SEDIMENT BARRIER             |
| —           | — TOPSOIL STOCKPILE AREA       |
| —           | — CRUSHED STONE                |

**ABBREVIATIONS**

- BCLC BITUMINOUS CONCRETE LIP CURB
- BIT. BITUMINOUS
- BSMT. FLR. BASEMENT FLOOR ELEVATION
- CB CATCH BASIN
- CC CONCRETE CURB
- CONC. CONCRETE
- EX. EXISTING
- FL FLOW LINE
- F.Y. FRONT YARD
- GAR. FLR. GARAGE FLOOR ELEVATION
- HYD HYDRANT
- INV INVERT
- N/F NOW OR FORMERLY
- PG. PAGE
- R.Y. REAR YARD
- SMH SANITARY MANHOLE
- SNET SO. NEW ENGLAND TELE.
- S.Y. SIDE YARD
- TO TOP OF GRATE
- TF TOP OF FRAME
- TOP FND. TOP FOUNDATION ELEVATION
- VOL. VOLUME
- WG WATER GATE



**TOWN PLAN & ZONING COMMISSION APPROVAL**

PROPOSED BUILDING ADDITION / FIFTY TWO NATIONAL DRIVE, LLC PE / GW-1  
PROJECT / APPLICANT ZONE

52 NATIONAL DRIVE  
PROJECT ADDRESS

12.0  
SPECIAL PERMIT SECTION T.P.&Z. CHAIRMAN

SPECIAL PERMIT APPROVAL DATE COMMUNITY DEVELOPMENT DIRECTOR

FILE NO.  
NOTE: ALL SHEETS OF THIS PLAN SET ARE LOCATED IN THE OFFICE OF COMMUNITY DEVELOPMENT.

**UNDERGROUND UTILITY NOTE:**  
UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROLE TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO THE UNDERSIGNED. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455 OR 811.

**INSPECTION NOTE:**  
THE CONTRACTOR SHALL NOTIFY THE TOWN OF GLASTONBURY ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, SANITARY SEWER INSTALLATION, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, OR ANY EXCAVATION IN THE TOWN RIGHT-OF-WAY TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:00 AM - 4:30 PM MONDAY THROUGH FRIDAY AT (860)-652-7735

**TOWN OF GLASTONBURY MS-4 PERMIT INFORMATION**

|                  | TOTAL IMPERVIOUS AREA | DIRECTLY CONNECTED IMPERVIOUS AREA |
|------------------|-----------------------|------------------------------------|
| PRE-DEVELOPMENT  | 0.4248 ACRES          | 0.4248 ACRES                       |
| POST-DEVELOPMENT | 0.4513 ACRES          | 0.0245 ACRES                       |
| NET CHANGE       | +0.0265 ACRES         | -0.4003 ACRES                      |

**ZONING TABLE PE ZONE**

| ITEM            | REQUIRED / ALLOWED | EXISTING            | PROPOSED / PROVIDED  |
|-----------------|--------------------|---------------------|----------------------|
| LOT AREA        | 40,000 S.F.        | 109,229 S.F.        | 109,229 S.F.         |
| LOT FRONTAGE    | 150 FT.            | 164.50 FT.          | 164.50 FT.           |
| FRONT YARD      | 50 FT.             | 53.2 FT.            | 53.2 FT.             |
| SIDE YARD       | 25 FT.             | 27.0 FT./ 79.6 FT.  | 27.0 FT./77.63 FT.   |
| REAR YARD       | 25 FT.             | 531.2 FT.           | 478.53 FT.           |
| BLDG COVERAGE   | 75% (29,420 S.F.)  | 2,778 S.F. (2.54%)  | 5,641 S.F. (5.16%)   |
| IMPERVIOUS AREA | 65% (70,969 S.F.)  | 18,506 S.F. (16.9%) | 19,659 S.F. (18.00%) |
| OPEN SPACE      | 35% (38,260 S.F.)  | 90,723 S.F. (83.1%) | 89,570 S.F. (82.00%) |
| PARKING         | SEE BELOW          | 35 SPACES           | 30 SPACES            |

**PARKING COMPUTATION**  
(PROPOSED)

1,986 S.F. MEDICAL OFFICE @ 1/150 = 14  
2,069 S.F. OFFICE @ 1/250 = 9  
2,469 S.F. MANUFACTURING @ 1/500 S.F. = 5  
TOTAL REQUIRED = 30, PROVIDED = 30

JAMES W. DUTTON, L.S. #70074  
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**TITLE SHEET AND INDEX PLAN**  
PROPOSED BUILDING ADDITION  
52 NATIONAL DRIVE  
PREPARED FOR  
NEW ENGLAND TRAFFIC SOLUTIONS  
GLASTONBURY, CONNECTICUT

**PLAN INDEX**

| PLAN                     | DESCRIPTION                            | SHEET         | REVISIONS: |
|--------------------------|--|---------------|------------|
| A-21-081-1               | INDEX PLAN                             | 1 OF 9        |            |
| A-21-081-B/T1 & B/T2     | PROPERTY BOUNDARY & TOPOGRAPHIC SURVEY | 2 & 3 OF 9    |            |
| A-21-081-LAY/U1 & LAY/U2 | LAYOUT & UTILITY PLAN                  | 4 & 5 OF 9    |            |
| A-21-081-G/ES            | GRADING & SEDIMENT AND EROSION PLAN    | 6 OF 9        |            |
| A-21-081-D1 THRU D3      | CONSTRUCTION NOTES AND DETAILS         | 7, 8 & 9 OF 9 |            |

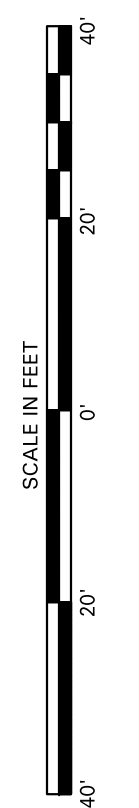
DATE: 01/24/2022  
SCALE: AS SHOWN  
SHEET 1 of 9  
A-21-081-1  
FILE: 21081.DWG

IWWCC INFORMAL SUBMISSION 01/24/2022

**DUTTON ASSOCIATES, LLC**  
LAND SURVEYORS AND CIVIL ENGINEERS  
67 EASTERN BOULEVARD  
GLASTONBURY, CONNECTICUT 06033  
TEL: 860-633-8401 FAX: 860-633-8851  
EMAIL: JMD@DUTTONASSOCIATESLLC.COM



**KEY TO SOIL TYPES**  
 Ud UDORMENTS  
 Lm LIMERICK-LIM  
 SOIL TYPES PER SOILS REPORT BY  
 CYNTHIA RABINOWITZ, SOILS SCIENTIST



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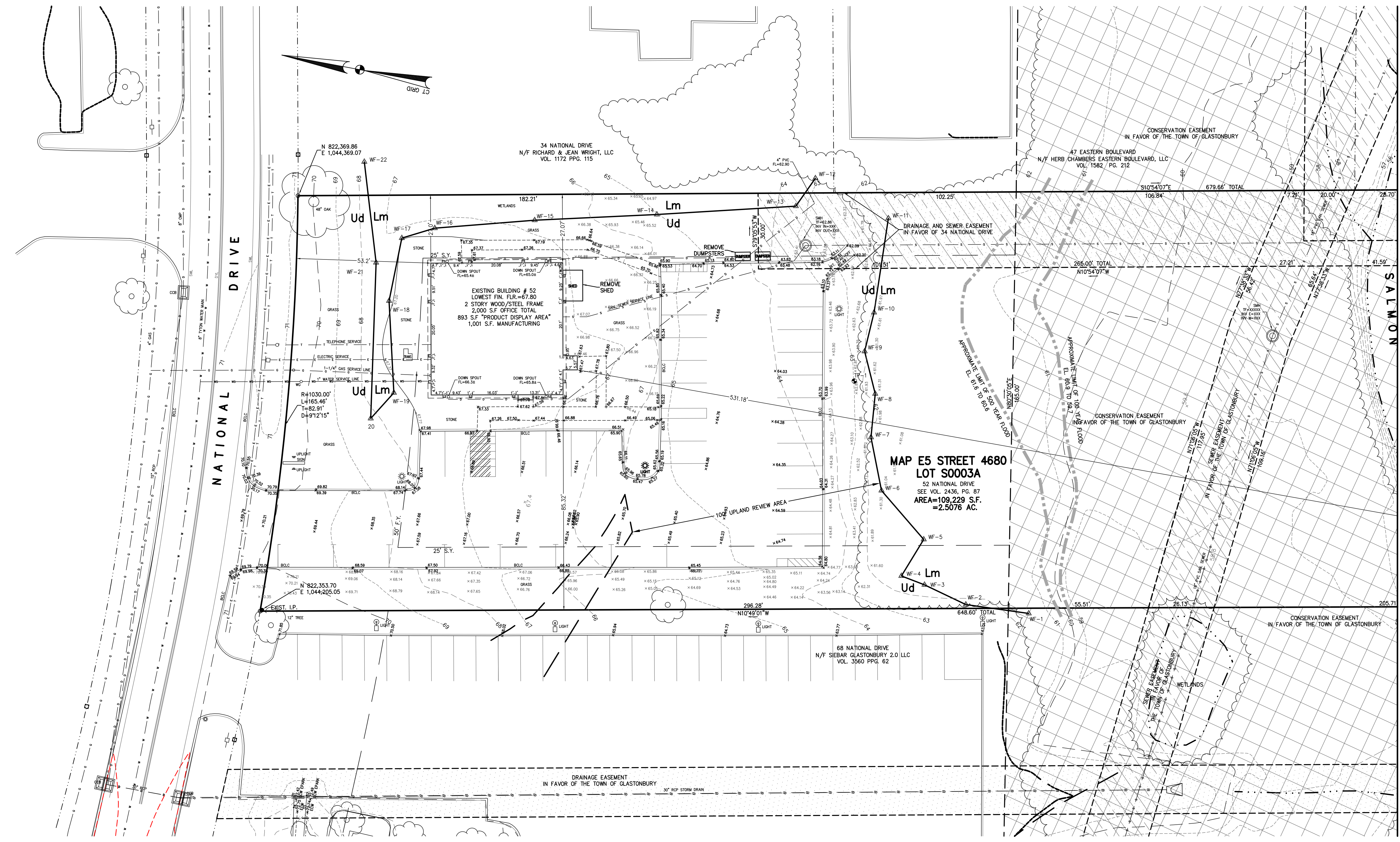
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**PROPERTY AND TOPOGRAPHIC SURVEY**  
**52 NATIONAL DRIVE**  
 PREPARED FOR  
**NEW ENGLAND TRAFFIC SOLUTIONS**  
 GLASTONBURY, CONNECTICUT

REVISIONS:  
 DATE: 01/24/2022  
 SCALE: 1" = 20'  
 SHEET 2 of 9  
**A-21-081-B/T1**  
 FILE: 21081.DWG

MATCH LINE REFER TO SHEET A-20-010-EC2

N.O.W.T.Y.S.



**TOWN PLAN & ZONING COMMISSION APPROVAL**

|   |                                |
|---|--------------------------------|
| PROPOSED BUILDING ADDITION / FIFTY TWO NATIONAL DRIVE, LLC                            | PE / GW-1                      |
| PROJECT / APPLICANT   | ZONE                           |
| 52 NATIONAL DRIVE   |                                |
| PROJECT ADDRESS   |                                |
| 12.0  |                                |
| SPECIAL PERMIT SECTION  | T.P.&Z. CHAIRMAN               |
| SPECIAL PERMIT APPROVAL DATE  | COMMUNITY DEVELOPMENT DIRECTOR |
| FILE NO.  |                                |
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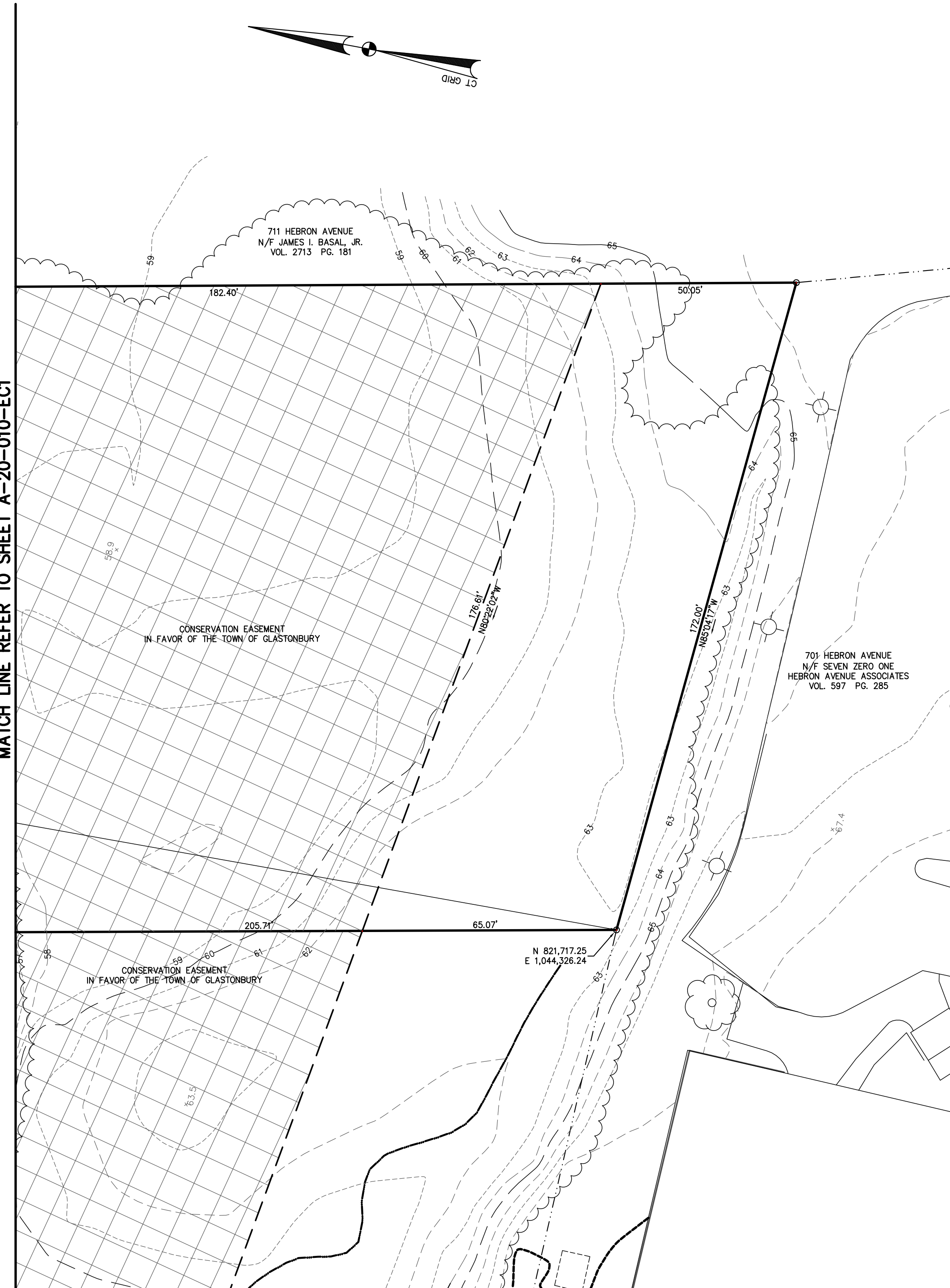
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REFERENCE IS MADE TO MAPS TITLED:  
 \*MAP PREPARED FOR GLASTONBURY INDUSTRIAL PARK, INC. GLASTONBURY, CONN. PREPARED BY JOHN LUCHS, JR. L.S.#3744 SCALE: 1"=100' DATE: 3-28-67 REVISED THROUGH: 2-6-1979 BY LUCHS & BECKERMAN, C.E.'S PARCELS L & M SHOWN.  
 \*PLOT PLAN PREPARED FOR N.A.C.M. GLASTONBURY, CT. PREPARED BY LUCHS & BECKERMAN CIVIL ENGINEERS-PLANNERS-LAND SURVEYORS GLASTONBURY, CONN. FILE NAME B-79-87-SP SCALE: 1"=40' DATE: 9-5-79.  
 THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996, AS AMENDED.  
 THE TYPE OF SURVEY PERFORMED IS A PROPERTY AND TOPOGRAPHIC SURVEY.  
 THE BOUNDARY DETERMINATION CATEGORY IS RE-SURVEY.  
 THIS SURVEY CONFORMS TO HORIZONTAL ACCURACY CLASS A-2.  
 THIS SURVEY CONFORMS TO TOPOGRAPHIC ACCURACY CLASS T-D.  
 THIS MAP WAS PREPARED FOR THE PURPOSE OF SITE DESIGN.  
 TOPOGRAPHIC INFORMATION SHOWN PER FIELD SURVEY SUPPLEMENTED BY TOWN OF GLASTONBURY AERIAL PHOTOGRAMMETRY.  
 COORDINATES REFER TO THE STATE OF CONNECTICUT COORDINATE GRID SYSTEM, NAD 83 AND ARE BASED ON HORIZONTAL CONTROL DATA PROVIDED BY THE TOWN OF GLASTONBURY.  
 ELEVATIONS REFER TO NAVD 1988 AND ARE BASED ON VERTICAL CONTROL DATA PROVIDED BY THE TOWN OF GLASTONBURY.  
 \*TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON\*  
 THIS MAP IS NOT VALID UNLESS IT BEARS THE LIVE SIGNATURE AND SEAL OF THE UNDERSIGNED SURVEYOR.



MATCH LINE REFER TO SHEET A-20-010-EC1

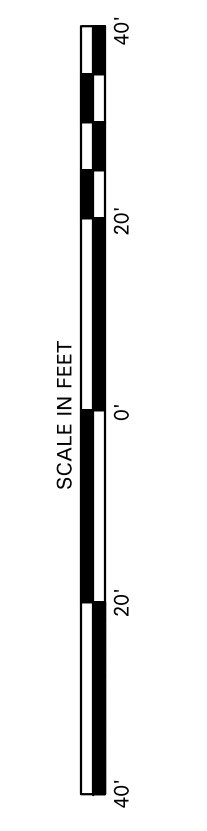


**TOWN PLAN & ZONING COMMISSION APPROVAL**

PROPOSED BUILDING ADDITION / FIFTY TWO NATIONAL DRIVE, LLC PE / GW-1  
 PROJECT / APPLICANT ZONE  
 PROJECT ADDRESS  
 52 NATIONAL DRIVE  
 PROJECT ADDRESS  
 12.0  
 SPECIAL PERMIT SECTION T.P.&Z. CHAIRMAN  
 SPECIAL PERMIT APPROVAL DATE COMMUNITY DEVELOPMENT DIRECTOR  
 FILE NO.  
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Job No. 9-11-32 26 September 2011  
 Dutton Associates, LLC 67 Eastern Boulevard Glastonbury, CT 06033  
 LOCATION: 52 National Drive, Glastonbury Connecticut

**SOILS AND WETLANDS REPORT**

INSPECTION DATE: 9/26/2011  
 MAP PROVIDED: topographic  
 CONTOUR INTERVAL SHOWN: no  
 SCALE SHOWN: no  
 SOIL MOISTURE CONDITIONS: moist to wet  
 PROPERTY LINES IDENTIFIABLE: approximate  
 NUMBERING OF WETLAND FLAGS: #1-#11, #12-22

This site inspection was conducted to evaluate the presence of inland-wetlands and watercourses. A detailed classification of the soils was not part of this study. Field observations of the wetland and upland soils together with the classification system of the National Cooperative Soil Survey, USDA, and the County Soil Legend were used in this investigation to identify the soil series names.

In conducting field investigations, soil borings are taken from which many important soil properties are observed, as follows: seasonal soil moisture condition OR the presence of free water and its depth, for each horizon in the soil profile, the thickness, color and texture are also observed. The areas shown on soil maps are called soil map units. Some map units consist of one kind of soil while others consist of two or more kinds of soil. A few have little or no soil material at all. The information in this report is based on examination and interpretation of soils with the use of a hand auger and shovel. Wetland delineation is based on prevailing conditions at the time of investigation and best professional judgment. Field conditions may change over time.

**COMMENTS:** This property is situated on the south side of National Drive and comprises a front portion with an existing commercial building surrounded by mowed grass and a paved parking area. The parcel is below the grade of National Drive by 6-7 feet. South of the parking area, the land drops another few feet into woodland which continues to the south to the Salmon Brook.

Wetlands were identified in the woodlands and in the east and north of the site. Disturbed wetland soils were found in the northerly and easterly areas. Wetland soils associated with Salmon Brook are mapped as Limerick and Lim series.

Most of the soils at the site are disturbed except for the soils in the wooded areas. Soil descriptions are provided below for your information.

SOIL SERIES LIMERICK-LIM  
 DEPTH TO REDOXIMORPHIC FEATURES: 9 INCHES  
 DEPTH TO BEDROCK: 10 FEET  
 DEPTH TO SEASONAL HIGH WATER TABLE: 0"-8"

The Limerick and Lim soils developed in sediment deposited on flood plains along the major rivers. The texture is dominantly silt loam but may be very fine sandy loam. It is not uncommon to find buried surface horizons or layers of muck below 30 inches.

SOIL TYPE: UDORTHENTS

Sometimes known as "Made Land", this map unit consists of areas ranging from excessively drained to very poorly drained. It is composed of cut or borrow areas, filled areas, and areas consisting of both cut and fill. These soils may be found in urban, sub-urban or rural areas. The cut or borrow areas consist of places where the surface layer and the subsoil have been removed.

If there are any questions, please do not hesitate to contact me.

Yours truly,

Cynthia M. Rabinowitz  
 Soil Scientist/Landscape Designer  
 Permaculture Design Consultant

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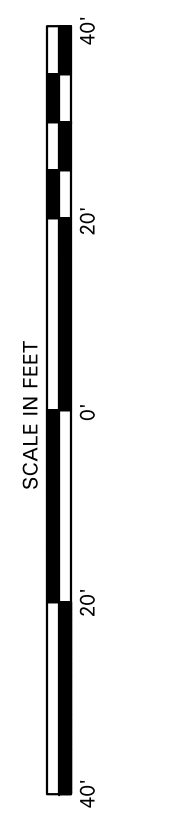
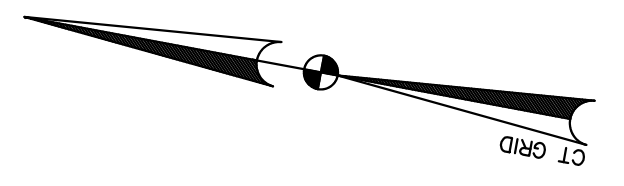
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**PROPERTY BOUNDARY AND TOPOGRAPHIC SURVEY**  
 52 NATIONAL DRIVE  
 PREPARED FOR  
**NEW ENGLAND TRAFFIC SOLUTIONS**  
 GLASTONBURY, CONNECTICUT

REVISIONS:  
 DATE: 01/24/2022  
 SCALE: 1" = 20'  
 SHEET 3 of 9  
**A-21-081-B/T2**  
 FILE: 21081.DWG





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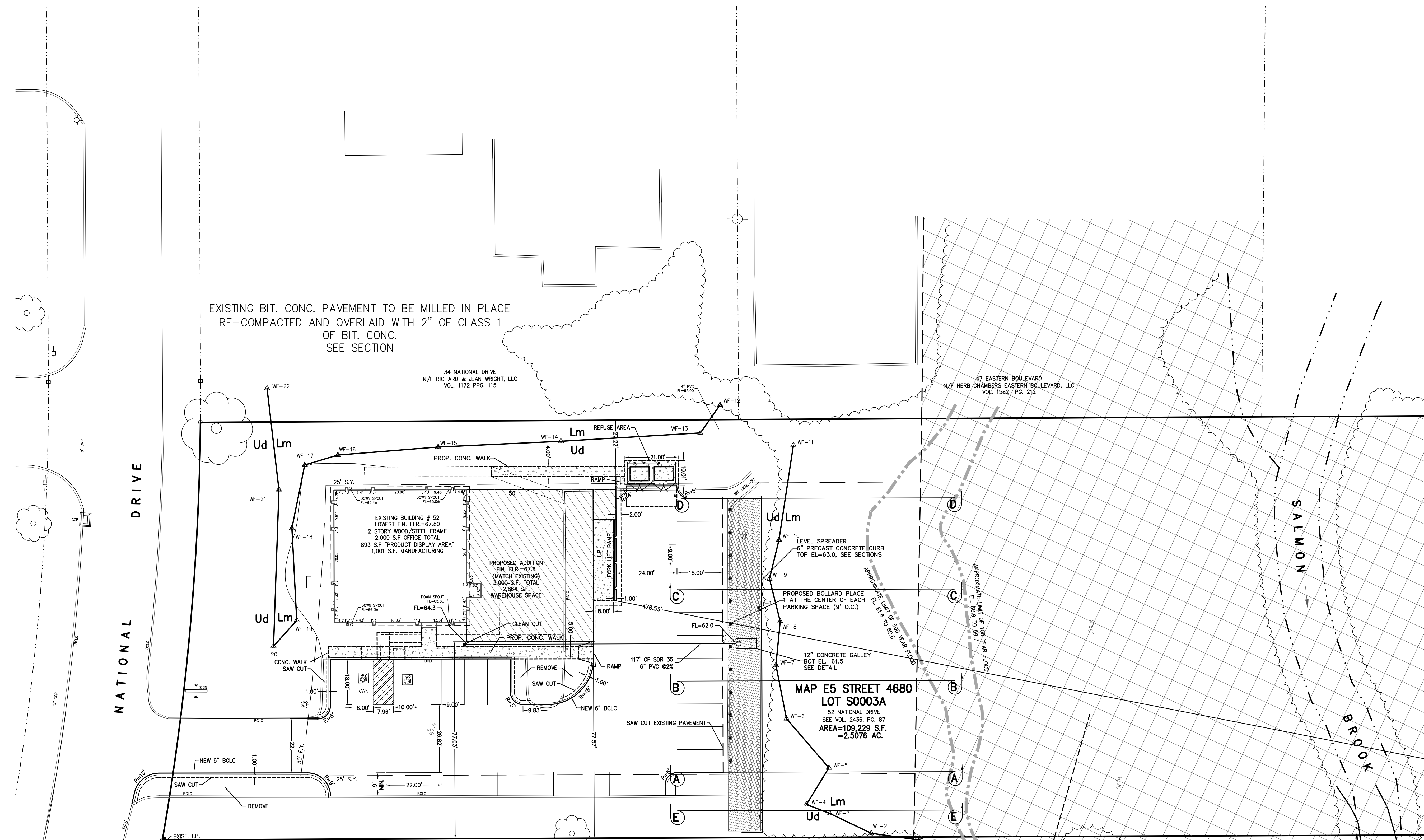
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**LAYOUT AND UTILITY PLAN  
 PROPOSED BUILDING ADDITION  
 52 NATIONAL DRIVE  
 PREPARED FOR  
 NEW ENGLAND TRAFFIC SOLUTIONS  
 GLASTONBURY, CONNECTICUT**

REVISIONS:  
 DATE: 01/24/2022  
 SCALE: 1" = 20'  
 SHEET 4 OF 9  
**A-21-081-LAY/U1**  
 FILE: 21081.DWG

MATCH LINE REFER TO SHEET A-21-081-LAY/U-S2



EXISTING BIT. CONC. PAVEMENT TO BE MILLED IN PLACE RE-COMPACTED AND OVERLAID WITH 2" OF CLASS 1 OF BIT. CONC. SEE SECTION

34 NATIONAL DRIVE  
 N/F RICHARD & JEAN WRIGHT, LLC  
 VOL. 1172 PPG. 115

47 EASTERN BOULEVARD  
 N/F HERB CHAMBERS EASTERN BOULEVARD, LLC  
 VOL. 1582 / PG. 212

**MAP E5 STREET 4680  
 LOT S0003A**  
 52 NATIONAL DRIVE  
 SEE VOL. 2430, PG. 87  
 AREA=109,229 S.F.  
 =2.5076 AC.

**STORM SEWER MAINTENANCE PLAN**

PROPER MAINTENANCE OF THE STORM SEWER IS CRITICAL TO ITS FUNCTION AND LONG TERM SUCCESS.

**SPECIAL REQUIREMENTS - CONCRETE LEACHING GALLERY SYSTEM**

IN ADDITION TO ANY MANUFACTURERS MAINTENANCE REQUIREMENTS, THE FOLLOWING SHALL OCCUR:

AT A MINIMUM, THE CONCRETE LEACHING CHAMBER SHALL BE INSPECTED ONCE PER YEAR IN THE FALL. IF MORE THAN 3" OF SEDIMENT IS OBSERVED, THE SYSTEM SHALL BE FLUSHED AND CLEANED TO THE EXTENT POSSIBLE.

IF THE SYSTEM IS 50% OR MORE FULL OF SEDIMENT AND THE SEDIMENT CANNOT BE REMOVED, THE SYSTEM SHALL BE REPLACED.

**GENERAL SPRING MAINTENANCE**

FOLLOWING THE LAST SPRING SNOWFALL, THE FOLLOWING MAINTENANCE TASKS SHALL BE CONDUCTED:

- 1) INSPECT ALL STORM SEWER INLETS AND RAIN GARDENS AND REMOVE ANY ACCUMULATED SEDIMENT. REMOVE LEAVES, STICKS AND DEBRIS, REMOVE AND / OR FRESHEN MULCH AS REQUIRED
- 2) INSPECT THE STORM SEWER OUTFALLS, REPAIR ANY EROSION ISSUES AS REQUIRED.
- 3) REMOVE ANY SEDIMENT AND DEBRIS FROM THE PAVED PARKING AREA,
- 4) REMOVE ALL PLANT AND DEBRIS FROM THE CRUSHED STONE AREA
- 5) CONDUCT GENERAL SITE CLEANUP, REMOVE ACCUMULATED DEBRIS.

**FALL MAINTENANCE:**

FOLLOWING LEAF DROP, APPROXIMATELY MID NOVEMBER, THE FOLLOWING TASKS SHALL BE CONDUCTED:

- 1) INSPECT ALL STORM SEWER INLETS AND RAIN GARDENS REMOVE ANY ACCUMULATED SEDIMENT. REMOVE LEAVES, STICKS AND DEBRIS, REMOVE AND / OR FRESHEN MULCH AS REQUIRED. INSURE INLET GRATES ARE CLEAR.
- 2) REMOVE ALL LEAVES AND OTHER DEBRIS FROM THE SITE.
- 3) REMOVE ANY SEDIMENT AND DEBRIS FROM THE PAVED PARKING AREA AND THE CRUSHED STONE AREA.
- 4) PREPARE THE PARKING AREA FOR SNOW REMOVAL (MARK EDGES, PREPARE LANDSCAPE PLANS IF REQUIRED, ETC.)

**TOWN PLAN & ZONING COMMISSION APPROVAL**

PROPOSED BUILDING ADDITION / FIFTY TWO NATIONAL DRIVE, LLC PE / GW-1  
 PROJECT / APPLICANT ZONE  
 52 NATIONAL DRIVE  
 PROJECT ADDRESS  
 12.0  
 SPECIAL PERMIT SECTION T.P.&Z. CHAIRMAN  
 SPECIAL PERMIT APPROVAL DATE COMMUNITY DEVELOPMENT DIRECTOR  
 FILE NO.  
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 THE CONTRACTOR SHALL NOTIFY THE TOWN OF GLASTONBURY ENGINEERING DIVISION 24 HOURS PRIOR TO BEGINNING ANY STORM DRAINAGE, SANITARY SEWER INSTALLATION, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, OR ANY EXCAVATION IN THE TOWN RIGHT-OF-WAY TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:00 AM - 4:30 PM MONDAY THROUGH FRIDAY AT (860)-652-7735

**TOWN OF GLASTONBURY MS-4 PERMIT INFORMATION**

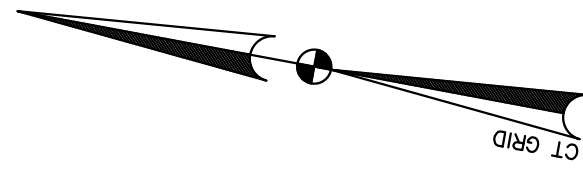
|                  | TOTAL IMPERVIOUS AREA | DIRECTLY CONNECTED IMPERVIOUS AREA |
|------------------|-----------------------|------------------------------------|
| PRE-DEVELOPMENT  | 0.4248 ACRES          | 0.4248 ACRES                       |
| POST-DEVELOPMENT | 0.4513 ACRES          | 0.0245 ACRES                       |
| NET CHANGE       | +0.0265 ACRES         | -0.4003 ACRES                      |

REFERENCE IS MADE TO MAPS TITLED:  
 \*MAP PREPARED FOR GLASTONBURY INDUSTRIAL PARK, INC. GLASTONBURY, CONN. PREPARED BY JOHN LUCHS, JR. L.S.#3744 SCALE: 1"=100' DATE: 3-28-67 REVISED THROUGH: 2-6-1979 BY LUCHS & BECKERMAN, C.E.'S PARCELS L & M SHOWN."  
 \*PLOT PLAN PREPARED FOR N.A.C.M. GLASTONBURY, CT. PREPARED BY LUCHS & BECKERMAN CIVIL ENGINEERS-PLANNERS-LAND SURVEYORS GLASTONBURY, CONN. FILE NAME B-79-87-SP SCALE: 1"=40' DATE: 9-5-79."

THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996, AS AMENDED.

THE TYPE OF SURVEY PERFORMED IS A PROPERTY AND TOPOGRAPHIC SURVEY.  
 THE BOUNDARY DETERMINATION CATEGORY IS RE-SURVEY.  
 THIS SURVEY CONFORMS TO HORIZONTAL ACCURACY CLASS A-2.  
 THIS SURVEY CONFORMS TO TOPOGRAPHIC ACCURACY CLASS T-0.  
 THIS MAP WAS PREPARED FOR THE PURPOSE OF SITE DESIGN.  
 TOPOGRAPHIC INFORMATION SHOWN PER FIELD SURVEY SUPPLEMENTED BY TOWN OF GLASTONBURY AERIAL PHOTOGRAMMETRY.  
 COORDINATES REFER TO THE STATE OF CONNECTICUT COORDINATE GRID SYSTEM, NAD 83 AND ARE BASED ON HORIZONTAL CONTROL DATA PROVIDED BY THE TOWN OF GLASTONBURY.  
 ELEVATIONS REFER TO NAVD 1988 AND ARE BASED ON VERTICAL CONTROL DATA PROVIDED BY THE TOWN OF GLASTONBURY.  
 \*TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON\*  
 THIS MAP IS NOT VALID UNLESS IT BEARS THE LIVE SIGNATURE AND SEAL OF THE UNDERSIGNED SURVEYOR.

MATCH LINE REFER TO SHEET A-21-081-LAY/U1

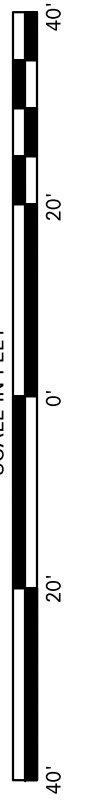


**TOWN PLAN & ZONING COMMISSION APPROVAL**

PROPOSED BUILDING ADDITION / FIFTY TWO NATIONAL DRIVE, LLC PE / GW-1  
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**DUTTON ASSOCIATES, LLC**

LAND SURVEYORS AND CIVIL ENGINEERS  
 67 EASTERN BOULEVARD  
 GLASTONBURY, CONNECTICUT 06033  
 TEL: 860-633-8401 FAX: 860-633-8851  
 EMAIL: JMD@DUTTONASSOCIATESLLC.COM

JOHN R. MARTUCCI, P.E. #19494

JAMES W. DUTTON, L.S. #70074

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LAYOUT AND UTILITY PLAN  
 PROPOSED BUILDING ADDITION  
 52 NATIONAL DRIVE  
 PREPARED FOR  
 NEW ENGLAND TRAFFIC SOLUTIONS  
 GLASTONBURY, CONNECTICUT

REVISIONS:

DATE: 01/24/2022  
 SCALE: 1" = 20'  
 SHEET 5 of 9

A-21-081-LAY/U2

FILE: 21081.DWG







**TOPSOILING:**

**MATERIALS:**  
 TOPSOIL SHALL BE FRIABLE AND LOAMY (LOAM, SANDY LOAM OR SILT LOAM) AND SHALL BE FREE OF DEBRIS, TRASH, STUMPS, ROCKS, ROOTS AND NOXIOUS WEEDS. IT SHALL GIVE EVIDENCE OF BEING ABLE TO SUPPORT HEALTHY VEGETATION AND CONTAIN NO SUBSTANCE THAT IS POTENTIALLY TOXIC TO PLANT GROWTH.  
 ALL TOPSOIL SHALL BE TESTED BY A RECOGNIZED LABORATORY AND SHALL MEET THE FOLLOWING REQUIREMENTS:  
 ORGANIC MATTER: NOT LESS THAN 1.5% BY WEIGHT.  
 PH RANGE: 6.0-7.5 (IF LESS THAN 6.0, LIME SHALL BE APPLIED AS REQUIRED).  
 SOLUBLE SALTS: SHALL NOT EXCEED 500 PPM.

**APPLICATION:**  
 APPLICABLE EROSION AND SEDIMENTATION CONTROLS (SEDIMENT BARRIERS, ETC.) SHALL BE IN PLACE AND IN GOOD CONDITION PRIOR TO PLACING TOPSOIL.

TOPSOIL SHALL NOT BE APPLIED WHILE IN A FROZEN OR MUDDY CONDITION.

TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM COMPACTED DEPTH OF 4", SURFACE IRREGULARITIES SHALL BE CORRECTED AT TIME OF PLACEMENT TO AVOID DEPRESSIONS AND WATER POCKETS.

**PERMANENT VEGETATIVE COVER:**

**GENERAL:**  
 THE PURPOSE OF PERMANENT VEGETATIVE COVER IS TO STABILIZE EXPOSED SOIL, REDUCE DAMAGE FROM WIND & WATER EROSION AND ENHANCE THE ENVIRONMENT.

TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL SOIL STOCKPILE AREAS WHICH WILL BE IN PLACE FOR MORE THAN 21 DAYS BETWEEN AUGUST 1 AND JUNE 15.

PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED AS SOON AS POSSIBLE ON AREAS WHERE CONSTRUCTION HAS BEEN COMPLETED.

PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED BETWEEN THE PRIME SEEDING DATES OF APRIL 15 THROUGH JUNE 15 AND AUGUST 15 THROUGH SEPTEMBER 15.

IF TEMPORARY VEGETATIVE COVER CANNOT BE ESTABLISHED BETWEEN THE PRIME SEEDING DATES, THE AREA SHALL BE STABILIZED TO THE EXTENT POSSIBLE WITH TEMPORARY MULCH UNTIL THE NEXT PRIME SEEDING DATE.

REFER TO THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL INFORMATION.

**SITE PREPARATION:**  
 1. APPLICABLE EROSION AND SEDIMENTATION CONTROLS (SEDIMENT BARRIERS, ETC.) SHALL BE INSTALLED PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

2. REMOVE LOOSE ROCK AND LARGE STONES, DEBRIS, TRASH, STUMPS AND OTHER NOXIOUS MATERIALS.

3. UNLESS HYDROSEEDING, APPLY LIME PER SOIL TEST OR AT THE RATE OF 135 LB PER 1000 S.F.

4. UNLESS HYDROSEEDING, APPLY FERTILIZER PER SOIL TEST OR AT THE RATE OF 7.5 LB PER 1000 S.F. OF 10-10-10 FERTILIZER AND 7 LB PER 1000 S.F. OF 38-0-0 OF SLOW RELEASE NITROGEN FOR TOPDRESSING.

5. UNLESS HYDROSEEDING, LIME AND FERTILIZER SHALL BE WORKED INTO SOIL TO A DEPTH OF 4".

WHEN HYDROSEEDING, THE SOIL SHALL BE TILLED AS DESCRIBED BELOW. LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED.

6. TILLAGE SHALL RESULT IN A UNIFORM CONTOUR, FREE FROM DEPRESSIONS AND WATER POCKETS.

**SEEDING:**  
 1. SELECT AN APPROPRIATE SEED MIXTURE FROM THE LIST BELOW. ALTERNATE SEED MIXES SHALL BE APPROVED BY THE ENVIRONMENTAL PLANNER. APPLY PROPER INOCULANT WHEN USING LEGUME SEED.

2. SEED SHALL BE APPLIED UNIFORMLY BY BROADCASTING, DRILLING OR HYDRAULIC APPLICATION.

3. UNLESS HYDROSEEDING OR "OULTIPLACKER" TYPE SEEDER IS USED, COVER THE SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL. THE SEEDBED SHALL BE FIRMED FOLLOWING SEEDING WITH A ROLLER OR LIGHT DRAG.

4. UNLESS HYDROSEEDING, APPLY MULCH AS REQUIRED IMMEDIATELY AFTER SEEDING.

5. SEEDING SHALL OCCUR BETWEEN APRIL 15 TO JUNE 15 AND / OR AUGUST 15 TO SEPTEMBER 15.

6. WHEN HYDROSEEDING, SEEDING RATES SHALL BE INCREASED BY 10 % (400% FOR LEGUMES).

FIBER MULCH SHALL BE USED WHEN HYDROSEEDING EXCEPT FOR CRITICAL AREAS WHICH SHALL BE MULCHED WITH STRAW MULCH.

**RECOMMENDED SEED MIXES:**  
 SHADY SITE: SUNNY / PARTIAL SHADE  
 CREEPING RED FESCUE - 1.10 LB/1000 S.F. KENTUCKY BLUEGRASS - 0.50 LB/1,000 S.F.  
 PERENNIAL RYEGRASS - 0.10 LB/1000 S.F. CREEPING RED FESCUE - 0.50 LB/1,000 S.F.  
 PERENNIAL RYEGRASS - 0.1 LB/1,000 S.F.

**MULCHING:**  
**GENERAL:**  
 THE PURPOSE OF MULCHING IS TO PROTECT THE SOIL, CONTROL RUNOFF AND PROMOTE PLANT GROWTH.

ALL AREAS WHICH HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED SHALL BE MULCHED IMMEDIATELY FOLLOWING SEEDING.

MULCH SHALL BE USED ON ALL DISTURBED AREAS FOR PROTECTION FROM EROSION WHICH WILL BE EXPOSED FOR MORE THAN 21 DAYS AND CANNOT BE SEEDED WITHIN THE PRIME SEEDING DATES.

**MATERIALS:**  
 THE MATERIALS USED FOR MULCHING SHALL BE STRAW OR HAY FREE FROM COARSE MATTER AND WEEDS.

WHEN HYDROSEEDING, MULCH SHALL BE APPLIED SIMULTANEOUSLY WITH THE SEED. MULCH MATERIAL AND APPLICATION RATE SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

**APPLICATION:**  
 MULCH SHALL BE APPLIED UNIFORMLY BY HAND OR BLOWER AT A RATE OF 90 LB/1000 S.F.

CRITICAL AREAS (SLOPES OVER 3 HORIZ. TO 1 VERT.) AND/OR AREAS IDENTIFIED ON THE PLAN SHALL BE MULCHED WITH HAY OR STRAW MULCH.

**ANCHORING:**  
 1. IF REQUIRED, MULCH SHALL BE ANCHORED IMMEDIATELY FOLLOWING APPLICATION.

2. STRAW AND HAY MULCH ON SLOPES IN EXCESS OF 5% SLOPE AND/OR AREAS AS DIRECTED BY THE ENVIRONMENTAL PLANNER SLOPE BE ANCHORED IN ACCORDANCE WITH CHAPTER 7 OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, REVISED 1988.

**EROSION CONTROL NOTES:**

ALL EROSION AND SEDIMENTATION CONTROL METHODS SHALL BE IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL, JAN. 2002 UNLESS SPECIFICALLY NOTED OTHERWISE ON THESE PLANS.

EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED WITHIN THE PROPER SEQUENCE DURING CONSTRUCTION (I.E. SEDIMENT BARRIERS INSTALLED DOWNSLOPE OF AREAS TO BE DISTURBED PRIOR TO DISTURBANCE).

ALL DISTURBED AREAS SHALL BE COVERED WITH 6 INCHES OF TOPSOIL, SEEDED AND MULCHED IMMEDIATELY UPON COMPLETION OF FINAL GRADING.

ALL CATCH BASIN GRATES SHALL BE PROTECTED FROM SEDIMENT ENTERING THE INLET BY USE OF FILTER FABRIC AROUND THE GRATE OF RINGED WITH SEDIMENT BARRIERS.

ALL SOIL STOCKPILE AREAS SHALL BE ENCRICLED WITH SEDIMENT BARRIERS. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ANY STOCKPILE AREA WHICH IS TO REMAIN MORE THAN 21 DAYS.

THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION AND SEDIMENTATION CONTROL TOOLS AND SUPPLIES ON SITE (HAY BALES, STONE, SHOVELS, ETC.).

THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENTATION CONTROLS WEEKLY AND PRIOR TO A PREDICTED RAIN EVENT. THE EROSION AND SEDIMENTATION CONTROLS SHALL BE REPAIRED OR MAINTAINED AS REQUIRED.

EROSION AND SEDIMENTATION CONTROL MEASURES ARE SUBJECT TO REVIEW AND APPROVAL BY THE TOWN OF GLASTONBURY ENVIRONMENTAL PLANNER.

ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AS DIRECTED BY THE TOWN OF GLASTONBURY ENVIRONMENTAL PLANNER TO ADDRESS FIELD CONDITIONS.

**SUGGESTED SEED MIXES:**  
 PERMANENT SEEDING:  
 60% (BARON) KENTUCKY BLUEGRASS  
 20% (JANESTOWN II) CHEWINGS FESCUE  
 20% (PALMER II) PERENNIAL RYEGRASS  
 APPLY AT 170 LB/AC.  
 TEMPORARY SEEDING:  
 ANNUAL RYEGRASS (LOJUM MULTIFLORUM)  
 APPLY AT 40 LB/ACRE.

**EROSION CONTROL NARRATIVE:**

**PROJECT INFORMATION:**  
 TOTAL PROJECT AREA: 109,229 S.F.  
 TYPE OF DEVELOPMENT: ADDITION TO THE EXISTING BUILDING, AND AN UPDATED PARKING LOT.  
 UNDERLYING ZONE: PLANNED EMPLOYMENT (PE)  
 AREA OF DISTURBANCE: 24,853 S.F.  
 REGULATED ACTIVITY: NONE  
 TOPOGRAPHY: DRAINS PRETTY UNIFORMLY FROM THE STREET IN THE NORTHERLY PART OF THE SITE TO THE WETLANDS IN THE SOUTHERLY SECTION OF THE SITE. THERE ARE NO CONCERNING HIGH OR LOW SPOTS ON THE SITE.  
 SOILS: UDORENTHENTS (UD), LIMERICK-LIM (LM)  
 VEGETATION: THERE ARE A COUPLE OF TREES ON THE NORTHERLY PART OF THE SITE. THERE IS A CONSERVATION EASEMENT ON THE SOUTHERLY SECTION OF THE SITE WITH THE FOREST EXTENDING PAST THE WETLANDS BUT NOT REACHING THE EXISTING PARKING LOT. THE SITE HAS SOME LANDSCAPING AROUND THE EXISTING BUILDING AND THE REST OF THE SITE IS GRASS/LAWN.  
 DRAINAGE: THE DRAINAGE SYSTEM WILL MOSTLY CONSIST OF 2" CRUSHED STONE ALONG THE SOUTHERLY LINE OF THE PARKING LOT. THE STONE WILL HAVE A PRE-CAST CONCRETE LEVEL SPREADER. A NEW ROOF DRAIN WILL BE INSTALLED FROM THE EXISTING DOWN SPOUT AND LEAD INTO A CONCRETE GALLEY ON THE WESTERLY SIDE OF THE CRUSHED STONE. THE WATER WILL DRAIN INTO THE WETLANDS JUST SOUTH OF THE LEVEL SPREADER.

**EROSION & SEDIMENTATION CONCERNS:**

1. WIND EROSION  
 TOPSOIL AND OTHER SIGNIFICANT MATERIAL EXCAVATED FROM THE SITE WILL NEED TO BE STOCKPILED AT A SUITABLE LOCATION ON SITE. PROPER WIND EROSION CONTROLS (SEEDING OR PLASTIC COVERS, ETC.) SHALL BE PROVIDED AT THE ON SITE STOCKPILE AREA AS REQUIRED. ADDITIONALLY, DURING THE MASS EXCAVATION PROCESS, EQUIPMENT AND SUPPLIES (SUCH AS A WATER TRUCK AND CALCIUM CHLORIDE) SHALL BE KEPT ON SITE TO MANAGE DUST AND WIND EROSION.
2. WATER EROSION  
 EROSION FROM WATER IS ALWAYS A CONCERN ON ANY CONSTRUCTION PROJECT. THE CONTRACTOR SHALL BE WATCHFUL OF PREDICTED RAIN EVENTS AND BE PREPARED TO ADDRESS ISSUES AS THEY ARISE. THE PLAN INCLUDES CONTROL MEASURES WHICH SHOULD ADDRESS ALL EVENTS. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PROPERLY MAINTAINED.
3. SOIL STOCKPILE  
 ALL EXCAVATED SOILS SHALL BE STOCKPILED ON SITE AT A SUITABLE LOCATION.

**KEY ELEMENTS TO SUCCESS:**

1. PROPER INSTALLATION  
 EROSION AND SEDIMENTATION CONTROLS CANNOT BE EFFECTIVE IF THEY ARE NOT INSTALLED CORRECTLY. THE CONTRACTOR SHOULD BE FAMILIAR WITH THE PROPOSED INSTALLATION PROCEDURES FOR EROSION AND SEDIMENTATION CONTROLS.
2. BE PREPARED  
 THE EROSION AND SEDIMENTATION CONTROL PLAN REQUIRES THE CONTRACTOR TO KEEP ON SITE A SUPPLY OF TOOLS AND MATERIALS FOR EROSION AND SEDIMENTATION CONTROL EMERGENCIES. ADDITIONALLY, THE PLAN REQUIRES THE CONTRACTOR TO MONITOR THE WEATHER AND INSPECT THE EROSION & SEDIMENTATION CONTROLS PRIOR TO A PREDICATED RAIN EVENT. FAILURE TO BE PREPARED WILL RESULT IN AN EROSION & SEDIMENTATION CONTROL DISASTER.
3. EFFICIENT AND TIMELY CONSTRUCTION  
 THIS IS ONE OF THE MOST EFFECTIVE WAYS TO REDUCE THE DAMAGE FROM EROSION AND SEDIMENTATION. EFFICIENT CONSTRUCTION REDUCES THE TIME PERIOD IN WHICH THE SITE IS SUBJECT TO EROSION FORCES AND THE POTENTIAL FOR DAMAGE. PROPER SEQUENCING OF CONSTRUCTION IS ALSO VERY IMPORTANT. PROPER SEQUENCE OF CONSTRUCTION REDUCES THE NEED TO DISTURB AREAS MULTIPLE TIMES.  
 THE CONTRACTOR SHOULD REVIEW THE PLAN AND DETERMINE THE EQUIPMENT AND MANPOWER NEEDS TO COMPLETE THE CONSTRUCTION IN THE MOST EFFICIENT MANNER. A SAMPLE CONSTRUCTION SCHEDULE AND SEQUENCE IS PROVIDED BELOW.

**PROPOSED CONSTRUCTION SEQUENCE:**

1. INSTALL SEDIMENT BARRIERS WHERE POSSIBLE.
2. INSTALL CONSTRUCTION ENTRANCE.
3. REMOVE VEGETATION, STRIP AND STOCKPILE TOPSOIL, REMOVE EXISTING BIT. CONC. PAVEMENT AND OTHER SITE ITEMS AS INDICATED ON THE PLAN.
4. INSTALL SITE LIGHTING AND OTHER UTILITIES AS REQUIRED
5. BEGIN BUILDING ADDITION CONSTRUCTION AND RENOVATIONS.
6. INSTALL PAVEMENT BASE
7. PAVE NEW BIT. CONC PARKING AS REQUIRED.
8. SPREAD TOPSOIL, SEED, MULCH AND INSTALL LANDSCAPING.
9. FINAL SITE CLEAN-UP.

**SUGGESTED CONSTRUCTION SEQUENCE & SCHEDULE**

| OPERATION / WEEKS            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|
| E & S CONTROLS               |   |   |   |   |   |   |   |   |   |    |    |    |
| STRIP TOPSOIL/DEMO           |   |   |   |   |   |   |   |   |   |    |    |    |
| BUILDING ADDITION/RENOVATION |   |   |   |   |   |   |   |   |   |    |    |    |
| LIGHTING & UTILITIES         |   |   |   |   |   |   |   |   |   |    |    |    |
| PAVEMENT BASE                |   |   |   |   |   |   |   |   |   |    |    |    |
| PAVING                       |   |   |   |   |   |   |   |   |   |    |    |    |
| TOPSOIL, SEED, MULCH         |   |   |   |   |   |   |   |   |   |    |    |    |
| LANDSCAPING                  |   |   |   |   |   |   |   |   |   |    |    |    |
| FINAL CLEAN-UP               |   |   |   |   |   |   |   |   |   |    |    |    |

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PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES AT CROSSING AND CONNECTION POINTS. ANY CONFLICT OR DISCREPANCY WITH THE PLANS SHALL BE REPORTED TO THE ENGINEER SO THAT ADJUSTMENTS TO THE DESIGN CAN BE MADE.

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REQUEST AN UNDERGROUND UTILITY MARK OUT BY CALLING THE CONNECTICUT UNDERGROUND UTILITY PROTECTION PLAN (PHONE 1-800-922-4455).

THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND ARRANGE FOR ALL NECESSARY INSPECTIONS FOR THE WORK TO BE PERFORMED.

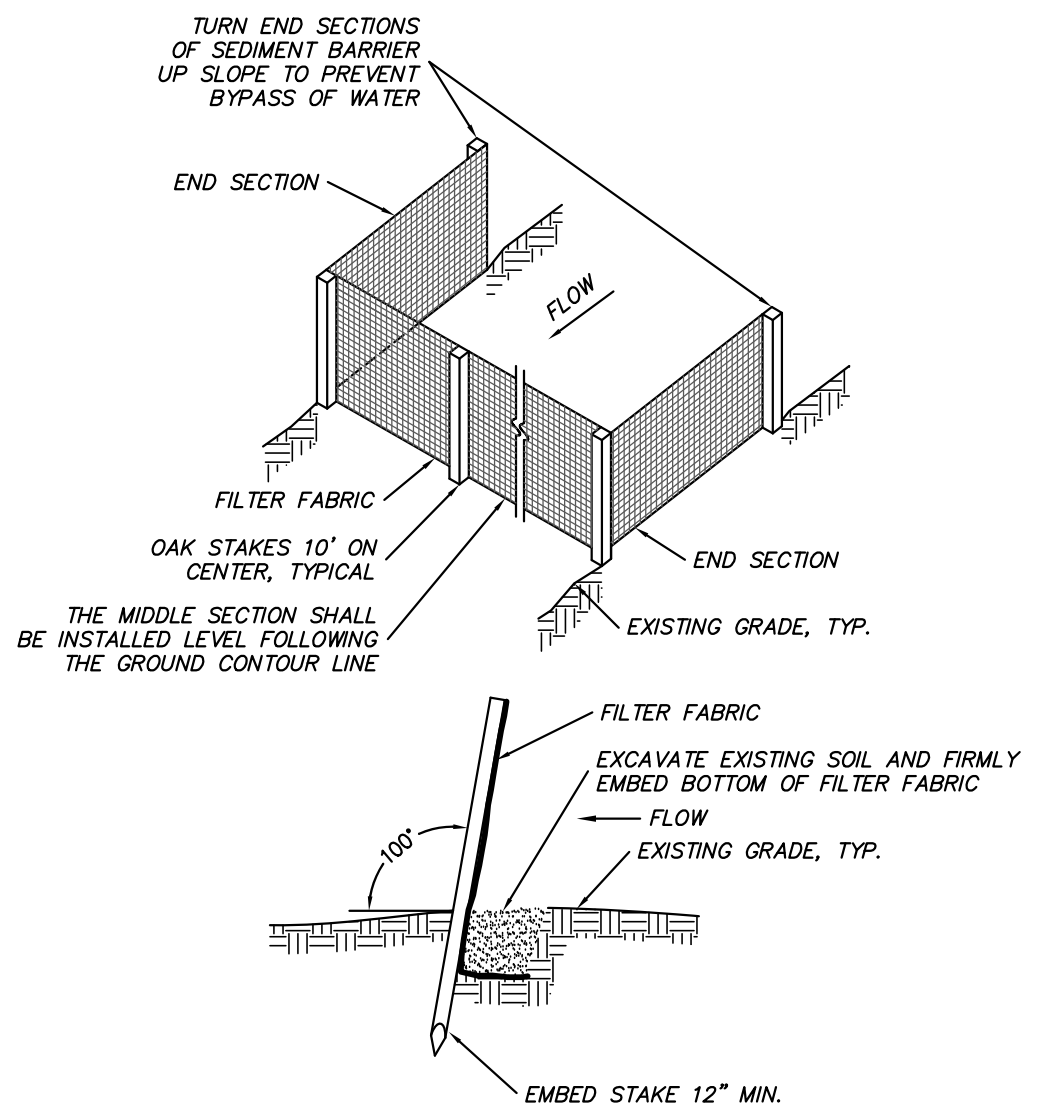
THE CONTRACTOR IS RESPONSIBLE FOR PAYMENT OF ALL PERMIT AND/OR INSPECTION FEES.  
 THE CONDITIONS OF APPROVAL ARE A PART OF THIS PLAN, THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE CONDITIONS.

CONSTRUCTION WASTE AND/OR DEBRIS SHALL BE DISPOSED OF ONLY AT APPROVED LOCATIONS AND IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND/OR REGULATIONS.

CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH; THE NOTES AND DETAILS ON THESE PLANS, IF NOT ON SAID PLAN THE TOWN OF GLASTONBURY STANDARD DETAILS AND SPECIFICATIONS AND IF NOT INCLUDED IN ABOVE, THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 814A AS APPLICABLE.

THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES, SERVICES AND/OR PROPERTY CAUSED BY HIM DURING CONSTRUCTION. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER OF THE DAMAGED PROPERTY AT THE CONTRACTORS EXPENSE.

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH OUTSIDE UTILITY COMPANIES PROVIDING SERVICE TO THE SITE. CONFLICTS WITH SUCH UTILITIES SHALL BE REPORTED TO THE ENGINEER SO THAT ADJUSTMENTS TO THE DESIGN CAN BE MADE.



**TOWN PLAN & ZONING COMMISSION APPROVAL**

PROPOSED BUILDING ADDITION / FIFTY TWO NATIONAL DRIVE, LLC PE / QW-1  
 PROJECT / APPLICANT ZONE

52 NATIONAL DRIVE  
 PROJECT ADDRESS

12.0  
 SPECIAL PERMIT SECTION T.P.&Z. CHAIRMAN

SPECIAL PERMIT APPROVAL DATE COMMUNITY DEVELOPMENT DIRECTOR

FILE NO.  
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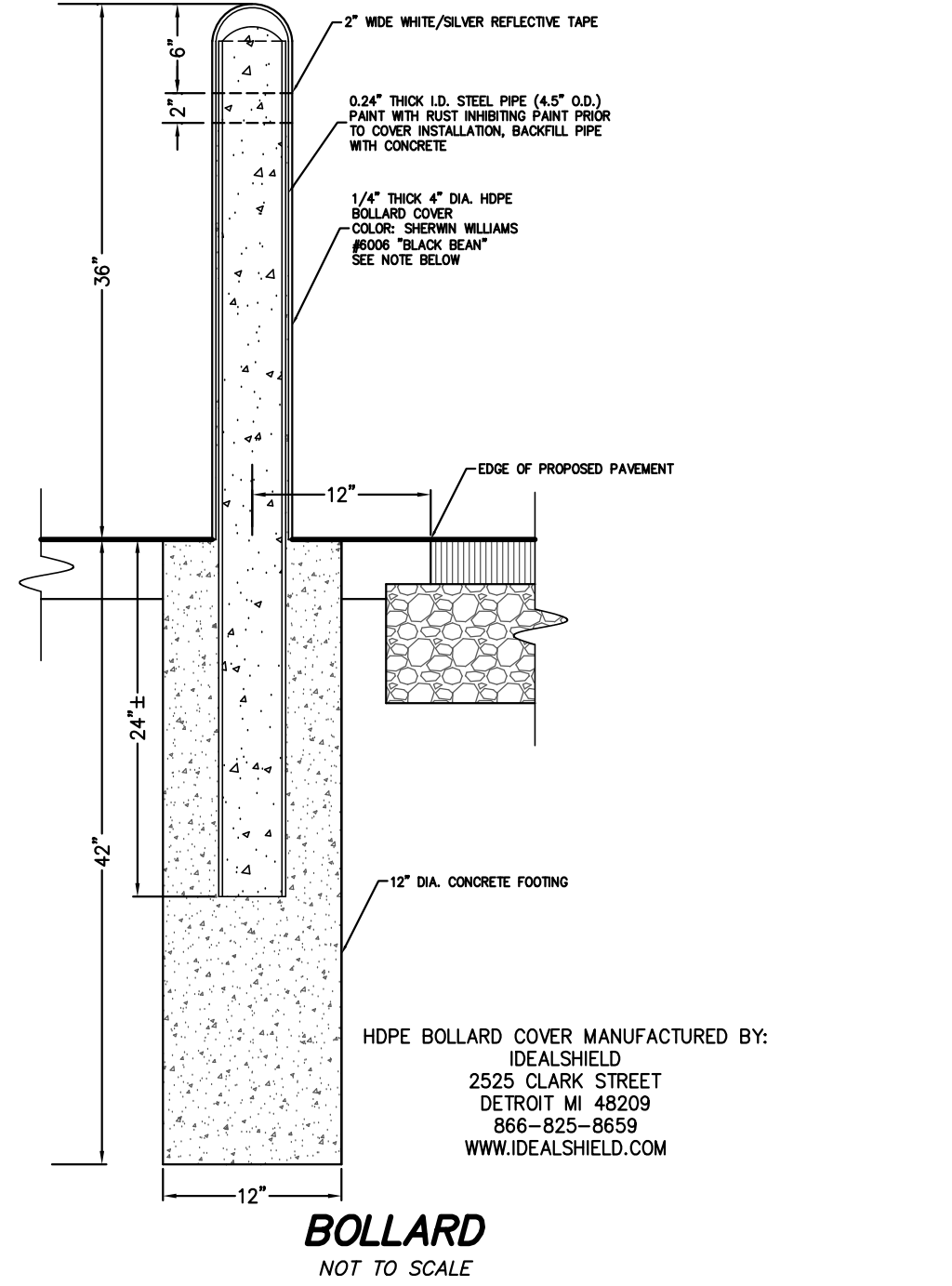
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| TEST #                   | DATE       | NUMBER        | DATE                            |
|--------------------------|------------|---------------|---------------------------------|
| # 1                      | 11/17/2021 | TP-1          | 03/09/2020                      |
| DEPTH OF HOLE:           | 36"        | WITNESS:      | JWD/DH LEDGE: NONE              |
| DEPTH OF WATER, PRESOAK: | 29.5"±     | DEPTH:        | 62" WATER: Ø 56"                |
| DEPTH OF WATER, TEST:    | 27"±       | SOIL PROFILE: | MOTTLING: NONE                  |
| TIME                     | READING    | CHANGE        |                                 |
| 10:30                    | 5-1/2"     | 8"            | 0"-36" SILTY LOAM               |
| 10:40                    | 13-1/2"    | 3"            | 36"-56" GREY MEDIUM SAND        |
| 10:50                    | 16-1/2"    | 2"            | 56"-62" GREY COARSE SAND/GRAVEL |
| 11:00                    | 18-1/2"    | 2"            |                                 |
| 11:10                    | 20-1/2"    | 2"            |                                 |
| 11:20                    | 22-1/4"    | 1"            |                                 |
| 11:30                    | 23-1/4"    | 1/2"          |                                 |
| 11:40                    | 23-3/4"    | 1/2"          |                                 |
| 11:50                    | 24-1/4"    | 3/4"          |                                 |
| 12:00                    | 25"        | 1/2"          |                                 |
| 12:10                    | 25-1/2"    | 1/2"          |                                 |
| 12:20                    | 26"        | 1/2"          |                                 |
| 12:30                    | 26-1/2"    | 1/2"          |                                 |
| 12:40                    | 27"        | 1/2"          |                                 |
| 12:50                    | 27-1/2"    | 1/2"          |                                 |
| 1:00                     | 28"        | 1/2"          |                                 |
| 1:10                     | 28-1/2"    | 1/2"          |                                 |
| 1:20                     | 29"        | -             |                                 |
| 1:30                     | DRY        | -             |                                 |
| DESIGN RATE=20 MIN/INCH  |            |               |                                 |

**GROUNDWATER MONITORING DATA**

TP#1 TOP OF PIPE ELEVATION = 66.0

| DATE       | READING (FT) | GROUNDWATER ELEVATION |
|------------|--------------|-----------------------|
| 03/16/2020 | 6.83         | 59.2                  |
| 03/23/2020 | 6.55         | 59.4                  |
| 03/30/2020 | 5.71         | 60.3                  |
| 04/06/2020 | 6.37         | 59.6                  |
| 04/13/2020 | 6.09         | 59.9                  |
| 04/20/2020 | 5.71         | 60.3                  |
| 04/27/2020 | 5.65         | 60.4                  |
| 05/04/2020 | 5.85         | 60.2                  |
| 05/11/2020 | 6.35         | 59.65                 |



**DUTTON ASSOCIATES, LLC**  
 LAND SURVEYORS AND CIVIL ENGINEERS  
 67 EASTERN BOULEVARD  
 GLASTONBURY, CONNECTICUT 06033  
 TEL: 860-633-8401 FAX: 860-633-8851  
 EMAIL: DUTTONLLC@AOL.COM

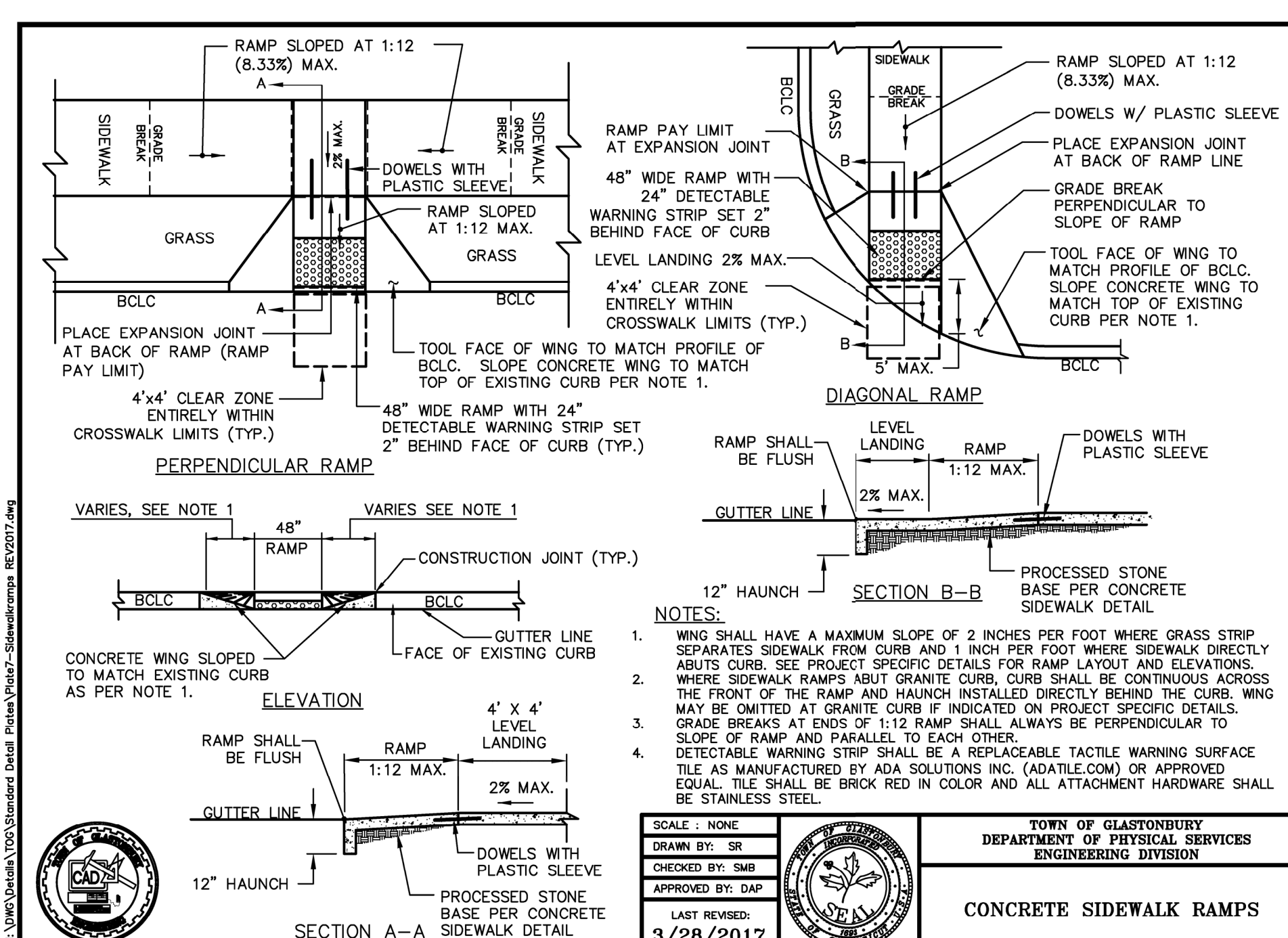
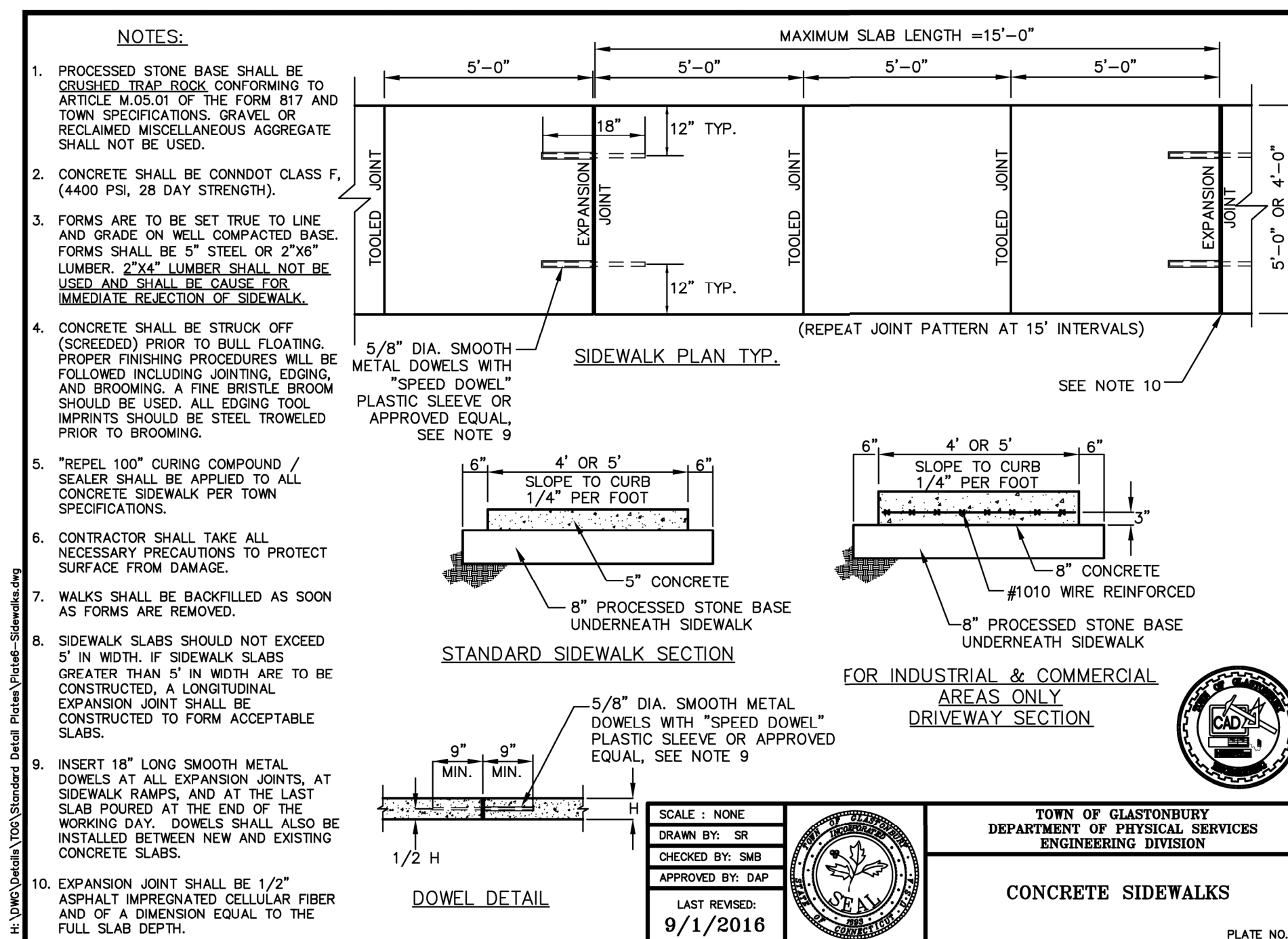
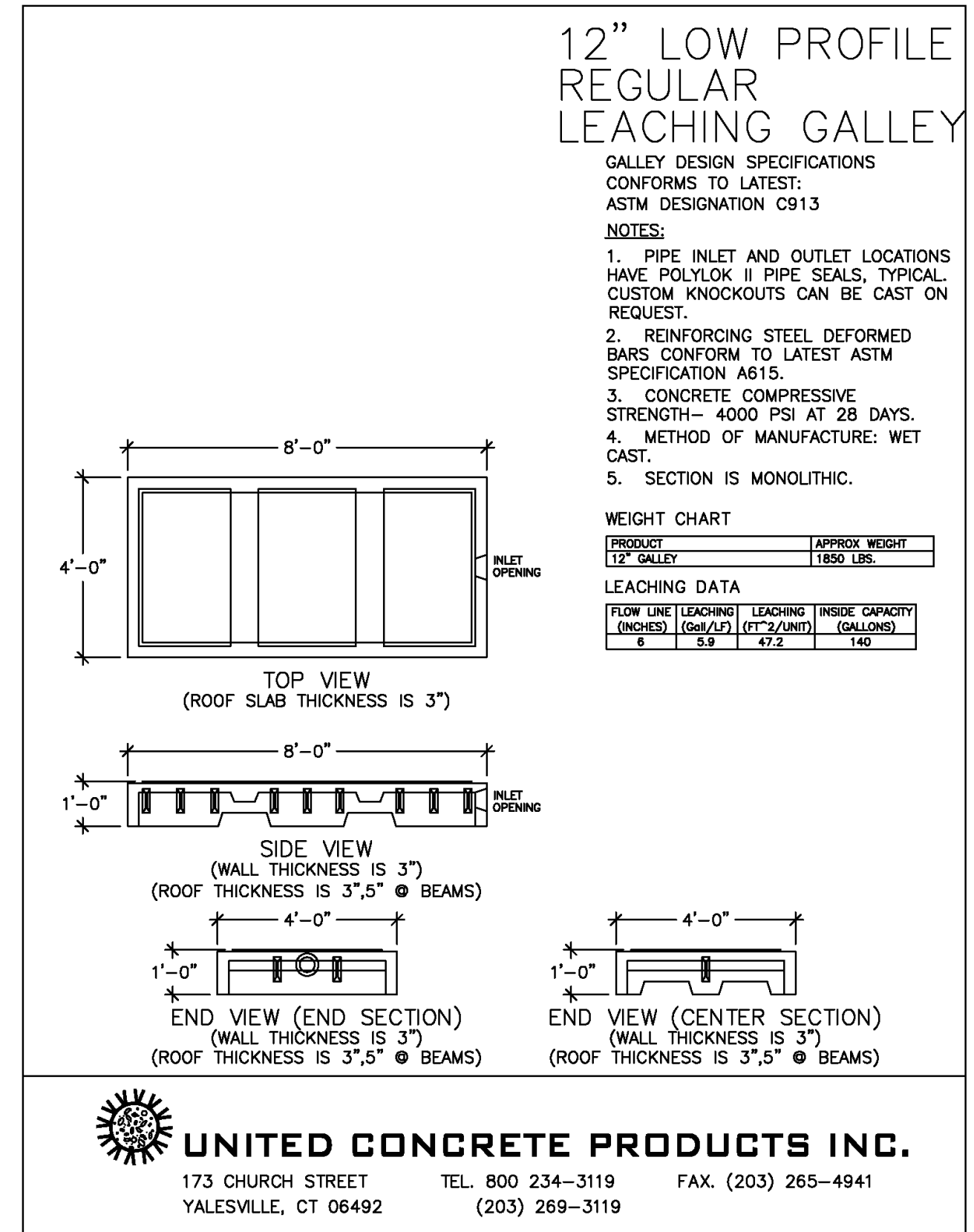
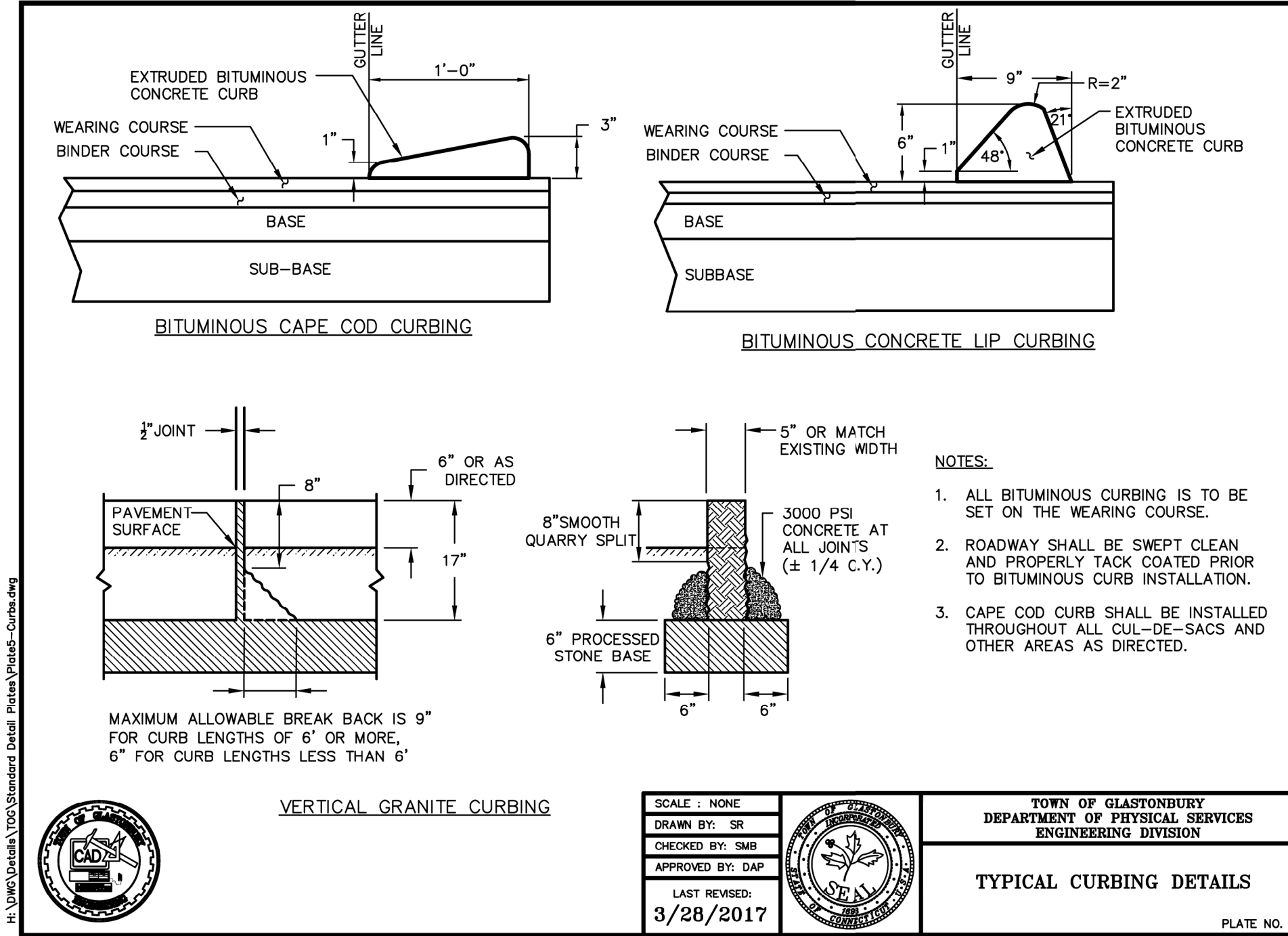
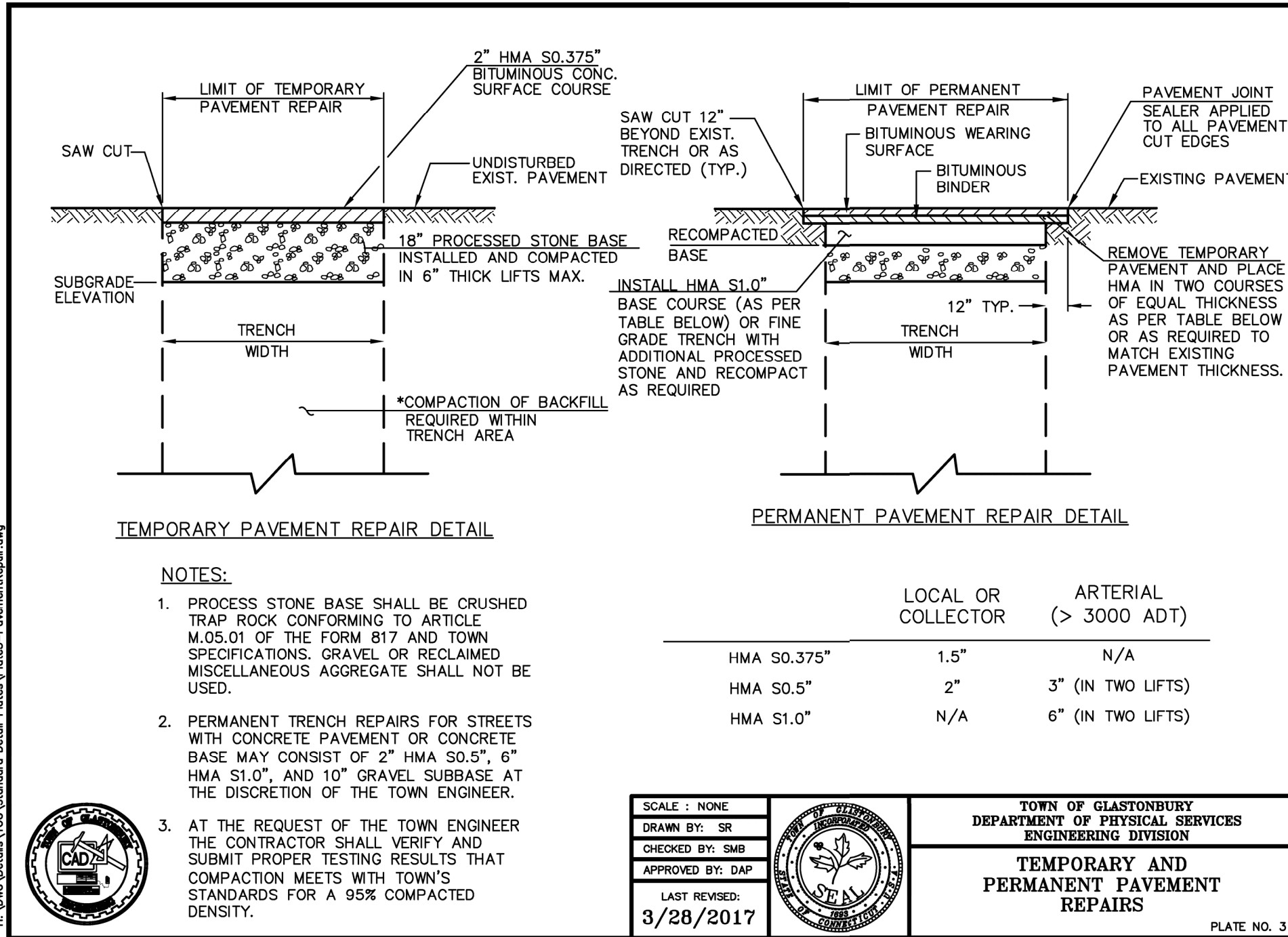
JOHN R. MARTUCCI, P.E. #19494

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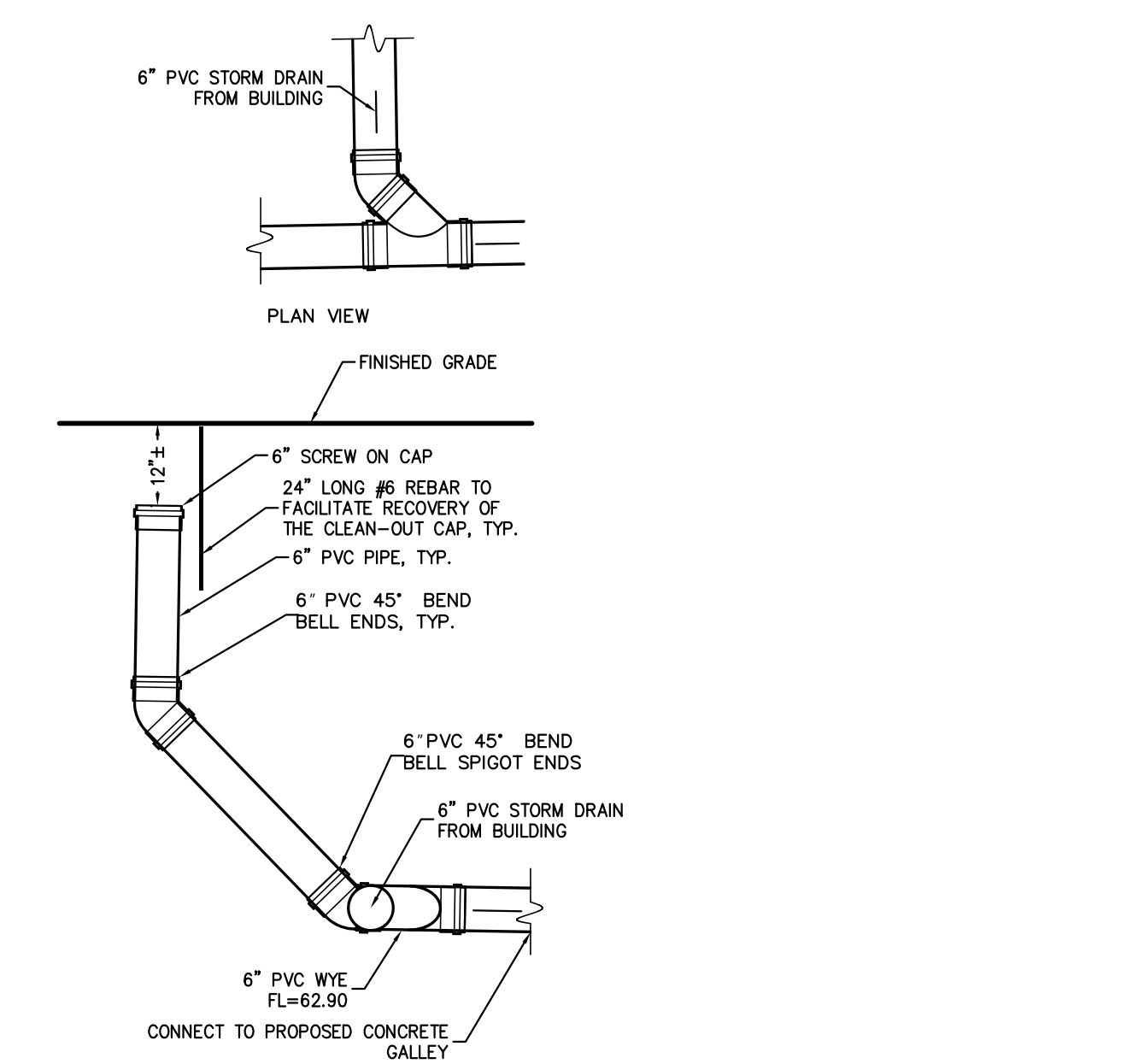
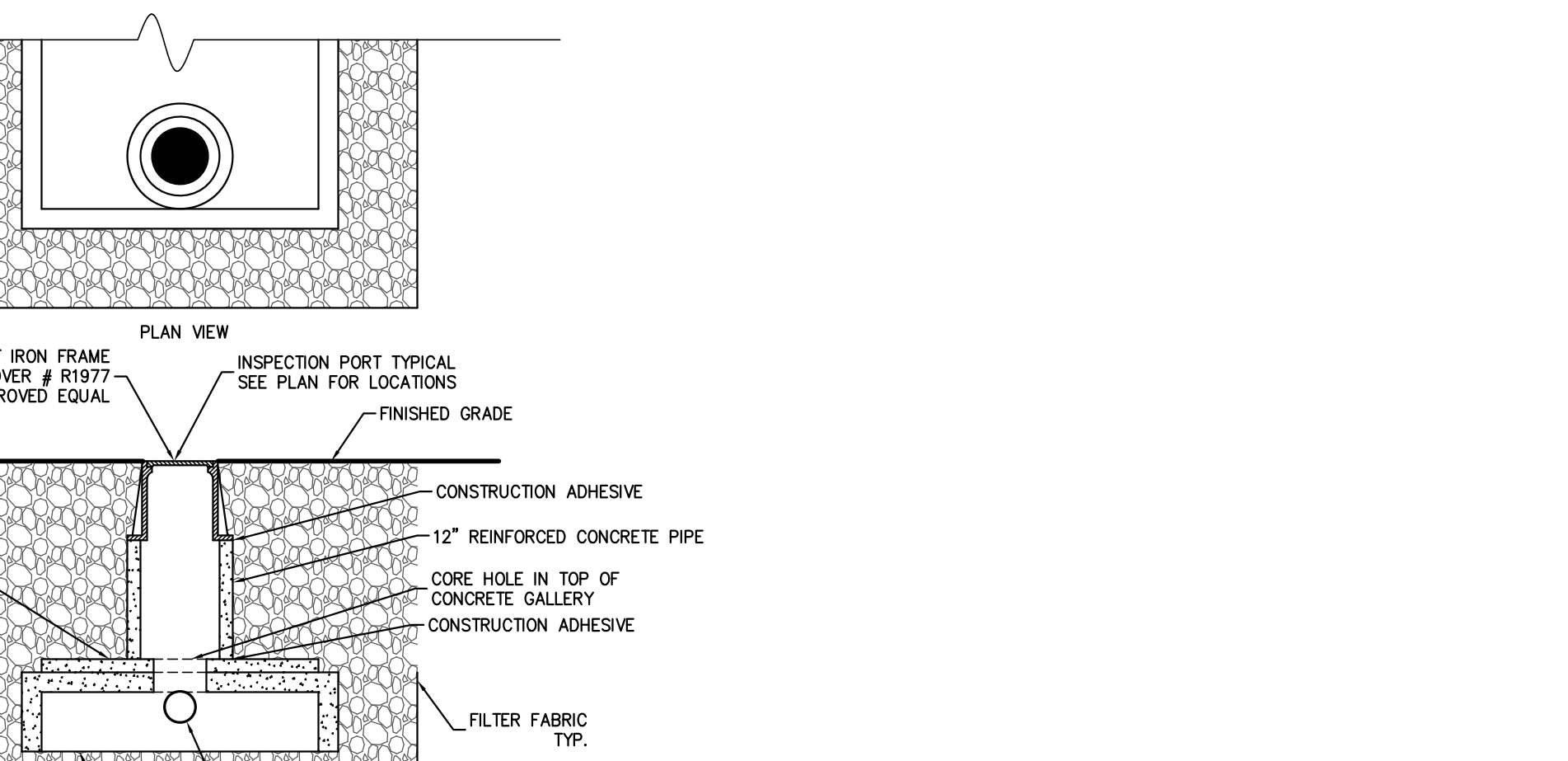
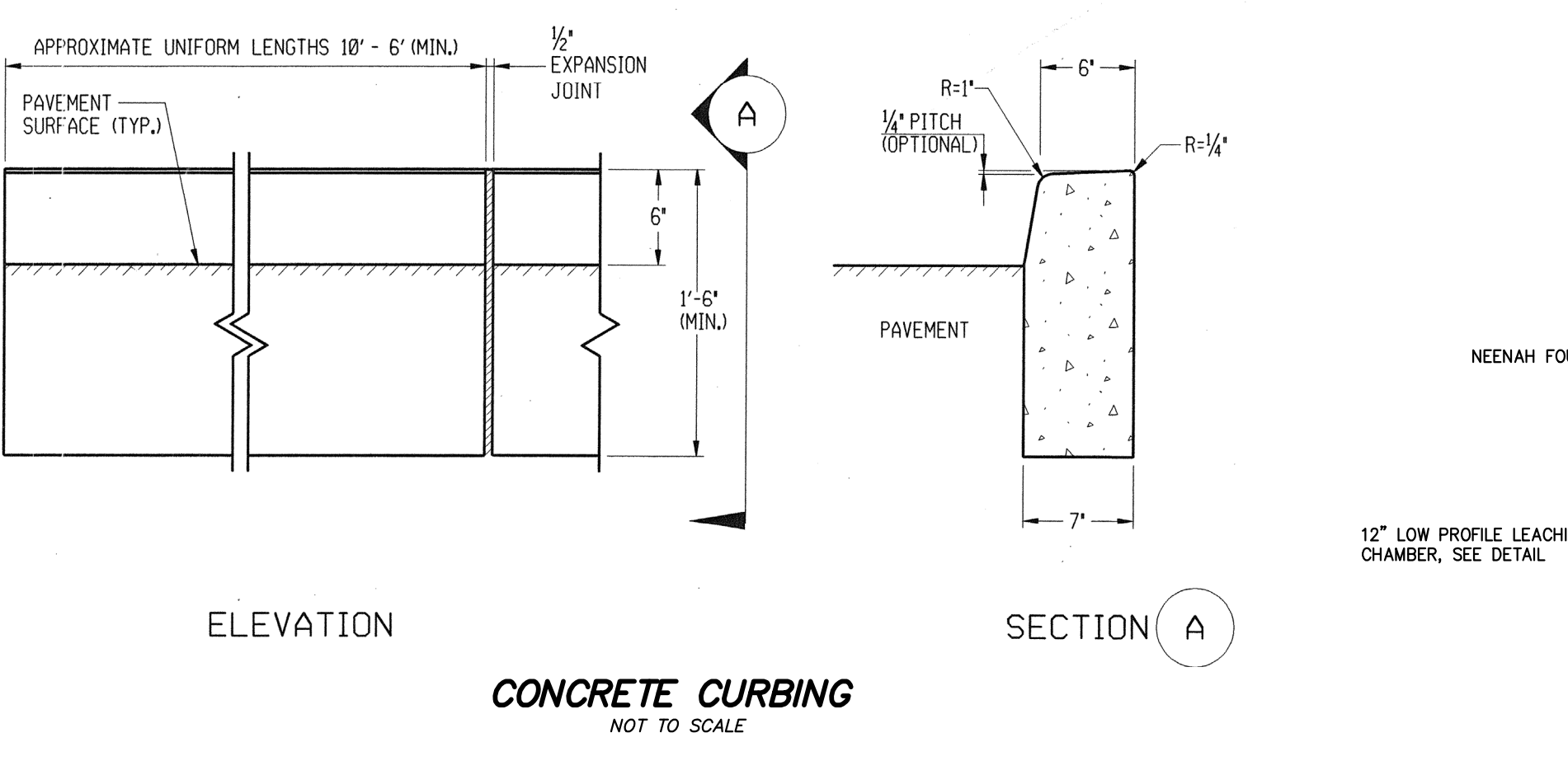
**GENERAL NOTES AND DETAILS PROPOSED BUILDING ADDITION 52 NATIONAL DRIVE**  
 PREPARED FOR  
**NEW ENGLAND TRAFFIC SOLUTIONS**  
 GLASTONBURY, CONNECTICUT

REVISIONS:

DATE: 01/24/2022  
 SCALE: AS SHOWN  
 SHEET 7 of 9  
**A-21-081-D1**  
 FILE: 21081.DWG



**UNITED CONCRETE PRODUCTS INC.**  
 173 CHURCH STREET TEL 800 234-3119 FAX (203) 265-4941  
 YALESVILLE, CT 06492 (203) 269-3119



**TOWN PLAN & ZONING COMMISSION APPROVAL**

PROPOSED BUILDING ADDITION / FIFTY TWO NATIONAL DRIVE, LLC PE / CW-1  
 PROJECT / APPLICANT ZONE

52 NATIONAL DRIVE  
 PROJECT ADDRESS

12.0  
 SPECIAL PERMIT SECTION T.P.&Z. CHAIRMAN

SPECIAL PERMIT APPROVAL DATE COMMUNITY DEVELOPMENT DIRECTOR

FILE NO.  
 NOTE: ALL SHEETS OF THIS PLAN SET ARE LOCATED IN THE OFFICE OF COMMUNITY DEVELOPMENT.

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**GENERAL NOTES AND DETAILS**  
**PROPOSED BUILDING ADDITION**  
**52 NATIONAL DRIVE**  
 PROJECT FOR  
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 GLASTONBURY, CONNECTICUT

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 A-21-081-D2  
 FILE: 21081.DWG



