



STANDARD ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes entries like AC (ACRES), ADA (AMERICANS WITH DISABILITY ACT), ARCH (ARCHITECTURAL), etc.

GENERAL SITE NOTES:

- 1. ALL CONSTRUCTION MATERIALS AND TECHNIQUES OF INSTALLATION SHALL MEET PERFORMANCE VALUES OF THE MATERIALS SPECIFIED AND COMPLY WITH ALL AUTHORITY HAVING JURISDICTION REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THIS PROJECT IS CONSTRUCTED IN ACCORDANCE WITH THESE DOCUMENTS AND IN COMPLIANCE WITH CODES INDICATED HEREIN...

REVISIONS.

- 30. SAFETY NOTICE TO CONTRACTOR: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK...

SOIL EROSION AND SEDIMENT CONTROL NOTES:

- 1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL AUTHORITY HAVING JURISDICTION STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.

DEMOLITION NOTES:

- 1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND CODES AND OBTAIN ALL REQUIRED PERMITS FOR ANY CONSTRUCTION ACTIVITY.
2. THE CONTRACTOR SHALL CONTACT 811 DIG SAFELY BEFORE PERFORMING ANY EXCAVATION WORK.

AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK...

- 13. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY AND REMOVED TO THE PROPERTY LINE.
14. CONTRACTOR TO REPLACE ALL DEAD AND/OR DAMAGED SHRUBS IN KIND.

GENERAL UTILITY NOTES:

- 1. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
2. ALL ELECTRICAL, TELEPHONE AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS.
3. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE AUTHORITY HAVING JURISDICTION AND CONTRACTOR HAS BEEN NOTIFIED BY SAID ENGINEER.

EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE AUTHORITY HAVING JURISDICTION.

- 19. A MINIMUM HORIZONTAL DISTANCE OF 3 FEET, UNLESS OTHERWISE NOTED IN THE PLANS, SHALL BE MAINTAINED BETWEEN WATER LINES AND OTHER UNDERGROUND OF A NONSANITARY NATURE (GAS, ELECTRIC, ETC.).
20. ALL DIP SHALL BE CLASS 50 OR HIGHER, DUCTILE IRON FITTINGS SHALL BE CLASS 350, UNLESS OTHERWISE NOTED IN THE PLANS.
21. TREES SHALL BE PLACED SO AS TO AVOID BURIED UTILITIES.

GENERAL PAVING AND GRADING NOTES:

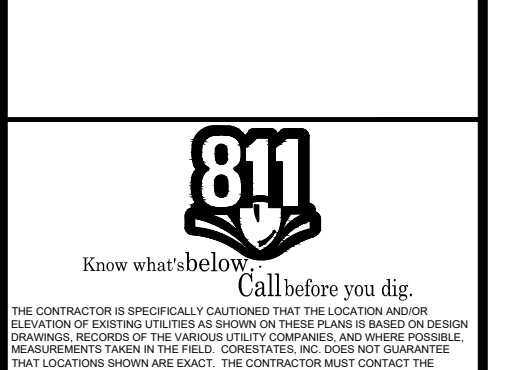
- 1. ALL PAVING AND GRADING CONSTRUCTION MATERIALS AND METHODS SHALL MEET THE STANDARD SPECIFICATIONS AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD...



DOCUMENTS PREPARED BY CORE STATES, INC. INCLUDING THIS DOCUMENT ARE TO BE USED ONLY FOR THE SPECIFIC PROJECT AND SPECIFIC USE FOR WHICH THEY WERE INTENDED...



CLIENT
PILOT TRAVEL CENTERS LLC.
5508 LONAS ROAD
KNOXVILLE, TN 37909

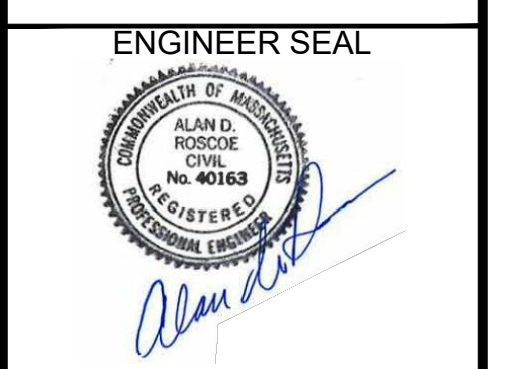


REVISIONS

Table with 4 columns: REV, DATE, COMMENT, BY. Contains one revision entry.

DOCUMENT
SITE PLAN
APPROVAL

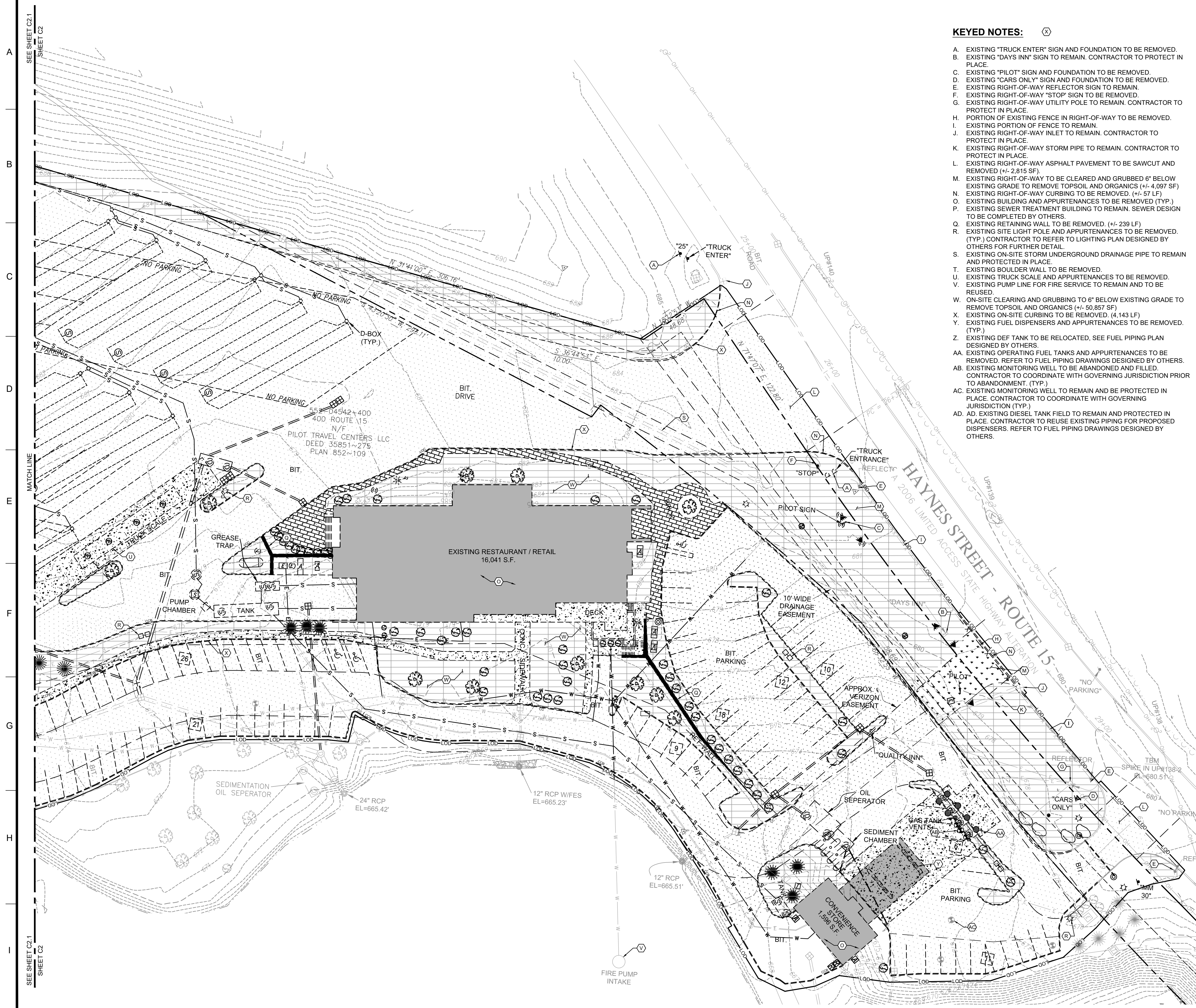
SITE LOCATION
400 HAYNES STREET
STURBRIDGE, MA 01566



SHEET TITLE
GENERAL
NOTES

Table with 2 columns: Field Name and Value. Includes JOB#, DATE, SCALE, DRAWN BY, CHECKED BY.

C1.0



**KEYED NOTES:** (X)

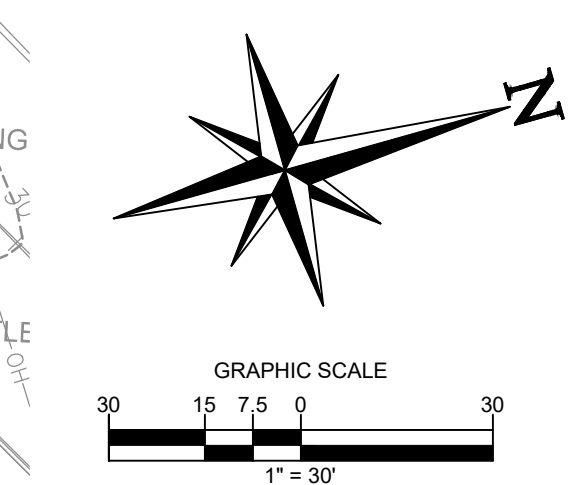
- A. EXISTING "TRUCK ENTER" SIGN AND FOUNDATION TO BE REMOVED.
- B. EXISTING "DAYS INN" SIGN TO REMAIN. CONTRACTOR TO PROTECT IN PLACE.
- C. EXISTING "PILOT" SIGN AND FOUNDATION TO BE REMOVED.
- D. EXISTING "CARS ONLY" SIGN AND FOUNDATION TO BE REMOVED.
- E. EXISTING RIGHT-OF-WAY REFLECTOR SIGN TO REMAIN.
- F. EXISTING RIGHT-OF-WAY "STOP" SIGN TO BE REMOVED.
- G. EXISTING RIGHT-OF-WAY UTILITY POLE TO REMAIN. CONTRACTOR TO PROTECT IN PLACE.
- H. PORTION OF EXISTING FENCE IN RIGHT-OF-WAY TO BE REMOVED.
- I. EXISTING PORTION OF FENCE TO REMAIN.
- J. EXISTING RIGHT-OF-WAY INLET TO REMAIN. CONTRACTOR TO PROTECT IN PLACE.
- K. EXISTING RIGHT-OF-WAY STORM PIPE TO REMAIN. CONTRACTOR TO PROTECT IN PLACE.
- L. EXISTING RIGHT-OF-WAY ASPHALT PAVEMENT TO BE SAWCUT AND REMOVED (+/- 2,815 SF).
- M. EXISTING RIGHT-OF-WAY TO BE CLEARED AND GRUBBED 6" BELOW EXISTING GRADE TO REMOVE TOPSOIL AND ORGANICS (+/- 4,097 SF).
- N. EXISTING RIGHT-OF-WAY CURBING TO BE REMOVED. (+/- 57 LF)
- O. EXISTING BUILDING AND APPURTENANCES TO BE REMOVED (TYP.)
- P. EXISTING SEWER TREATMENT BUILDING TO REMAIN. SEWER DESIGN TO BE COMPLETED BY OTHERS.
- Q. EXISTING RETAINING WALL TO BE REMOVED. (+/- 239 LF)
- R. EXISTING SITE LIGHT POLE AND APPURTENANCES TO BE REMOVED. (TYP.) CONTRACTOR TO REFER TO LIGHTING PLAN DESIGNED BY OTHERS FOR FURTHER DETAIL.
- S. EXISTING ON-SITE STORM UNDERGROUND DRAINAGE PIPE TO REMAIN AND PROTECTED IN PLACE.
- T. EXISTING BOULDER WALL TO BE REMOVED.
- U. EXISTING TRUCK SCALE AND APPURTENANCES TO BE REMOVED.
- V. EXISTING PUMP LINE FOR FIRE SERVICE TO REMAIN AND TO BE REUSED.
- W. ON-SITE CLEARING AND GRUBBING TO 6" BELOW EXISTING GRADE TO REMOVE TOPSOIL AND ORGANICS (+/- 50,857 SF)
- X. EXISTING ON-SITE CURBING TO BE REMOVED. (4,143 LF)
- Y. EXISTING FUEL DISPENSERS AND APPURTENANCES TO BE REMOVED. (TYP.)
- Z. EXISTING DEF TANK TO BE RELOCATED. SEE FUEL PIPING PLAN DESIGNED BY OTHERS.
- AA. EXISTING OPERATING FUEL TANKS AND APPURTENANCES TO BE REMOVED. REFER TO FUEL PIPING DRAWINGS DESIGNED BY OTHERS.
- AB. EXISTING MONITORING WELL TO BE ABANDONED AND FILLED. CONTRACTOR TO COORDINATE WITH GOVERNING JURISDICTION PRIOR TO ABANDONMENT. (TYP.)
- AC. EXISTING MONITORING WELL TO REMAIN AND BE PROTECTED IN PLACE. CONTRACTOR TO COORDINATE WITH GOVERNING JURISDICTION (TYP.)
- AD. EXISTING DIESEL TANK FIELD TO REMAIN AND PROTECTED IN PLACE. CONTRACTOR TO REUSE EXISTING PIPING FOR PROPOSED DISPENSERS. REFER TO FUEL PIPING DRAWINGS DESIGNED BY OTHERS.

**DEMO LEGEND**

- PROPERTY BOUNDARY LINE
- ADJOINING PROPERTY LINE
- EXISTING TREE LINE
- EXISTING CURB
- EXISTING EDGE OF PAVEMENT
- EXISTING FENCE
- EXISTING BLOCK NUMBER
- EXISTING LOT NUMBER
- EXISTING 5' INTERVAL CONTOUR LINE
- EXISTING 1' INTERVAL CONTOUR LINE
- EXISTING TREE
- EXISTING GAS MAIN
- EXISTING UTILITY POLE
- EXISTING STORM STRUCTURES
- EXISTING SANITARY STRUCTURES
- EXISTING WATER MAIN
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING TELEPHONE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD WIRES
- EXISTING SANITARY
- EXISTING STORM
- DEMO CURB
- DEMO TREE
- PROPOSED SAWCUT LINE
- LIMITS OF DISTURBANCE

**HATCH LEGEND**

- [Pattern] DEMO CONCRETE
- [Pattern] DEMO ASPHALT
- [Pattern] ASPHALT PAVEMENT TO BE MILLED
- [Pattern] DEMO BRICK PAVERS
- [Pattern] LIMITS OF CLEAR AND GRUB
- [Pattern] DEMO GRASS/LANDSCAPE AREAS



**ALERT TO CONTRACTOR:**

PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM ENGINEER AND THE OWNER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. ENGINEER AND OWNER SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

**CORE STATES GROUP**  
 9 GALEN STREET, SUITE 117  
 WATER TOWN, MA 02472  
 PHONE (617) 576-0007  
 ARSCOE@CORE-STATES.COM

DOCUMENTS PREPARED BY CORE STATES, INC. INCLUDING THIS DOCUMENT ARE TO BE USED ONLY FOR THE SPECIFIC PROJECT AND SPECIFIC USE FOR WHICH THEY WERE INTENDED. ANY EXTENSION OF USE TO ANY OTHER PROJECTS, BY OWNER OR BY ANY OTHER PARTY, WITHOUT THE EXPRESSED WRITTEN CONSENT OF CORE STATES, INC. IS DONE UNLAWFULLY AND AT THE USER'S OWN RISK. IT IS USED IN A WAY OTHER THAN THAT SPECIFICALLY INTENDED. USER WILL HOLD CORE STATES, INC. HARMLESS FROM ALL CLAIMS AND LOSSES.

CLIENT  
  
**Pilot TRAVEL CENTERS LLC.**

5508 LONAS ROAD  
 KNOXVILLE, TN  
 37909

Know what's below. Call before you dig.  
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE BASED ON RECORD DRAWINGS. RECORDS OF THE RECORD DRAWINGS ARE BASED ON FIELD MEASUREMENTS TAKEN IN THE FIELD. CORE STATES, INC. DOES NOT GUARANTEE THE LOCATION OR DEPTH OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

| REVISIONS |      |         |    |
|-----------|------|---------|----|
| REV       | DATE | COMMENT | BY |
|           |      |         |    |
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DOCUMENT  
**SITE PLAN APPROVAL**

SITE LOCATION  
 400 HAYNES STREET  
 STURBRIDGE, MA  
 01566

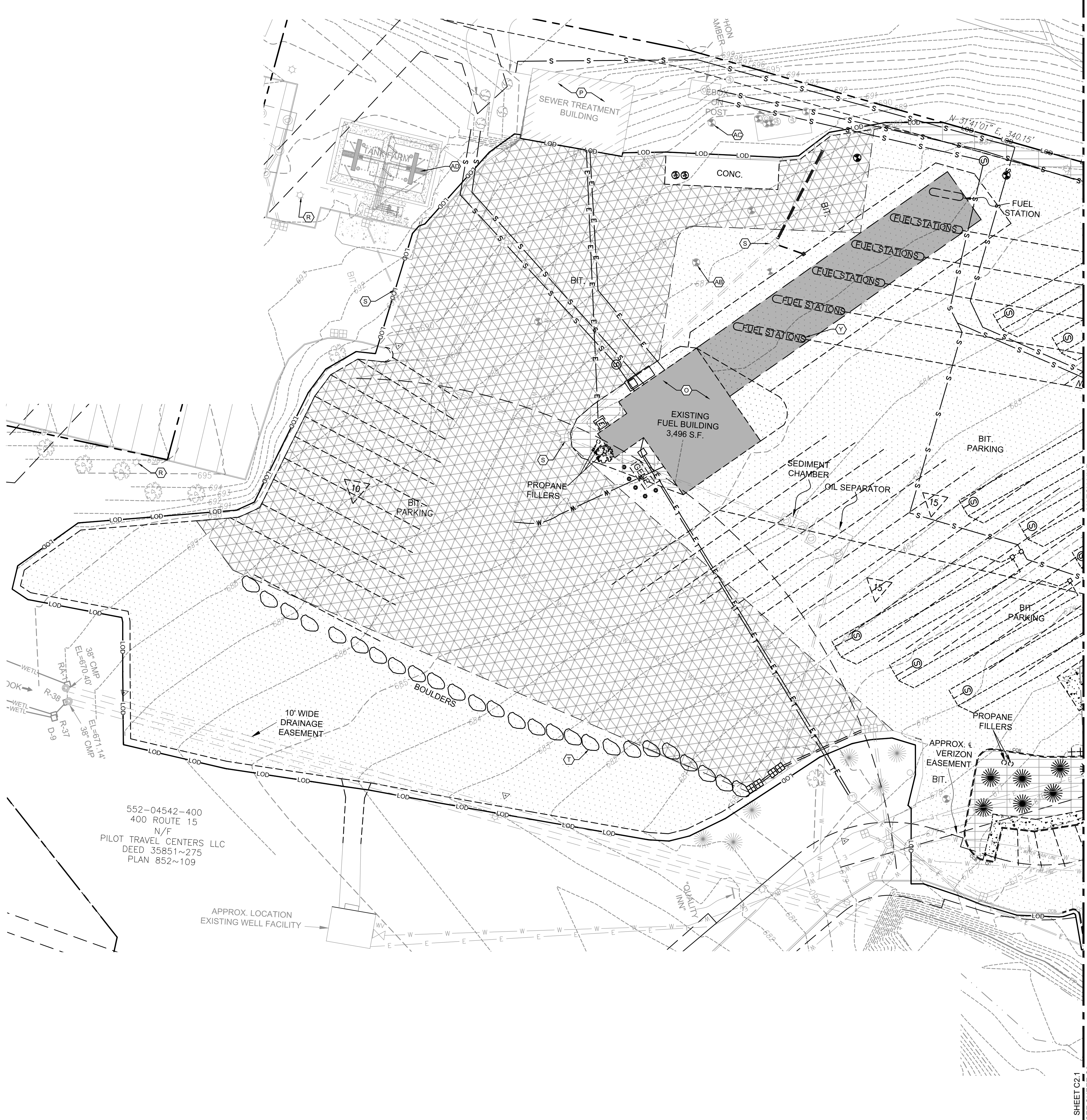
ENGINEER SEAL  
  
 ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

SHEET TITLE  
**DEMOLITION PLAN**

|             |           |
|-------------|-----------|
| JOB #:      | PIL 28950 |
| DATE:       | 02/10/20  |
| SCALE:      | 1" = 30'  |
| DRAWN BY:   | MP        |
| CHECKED BY: | KGF       |

SHEET NO.  
**C2.0**

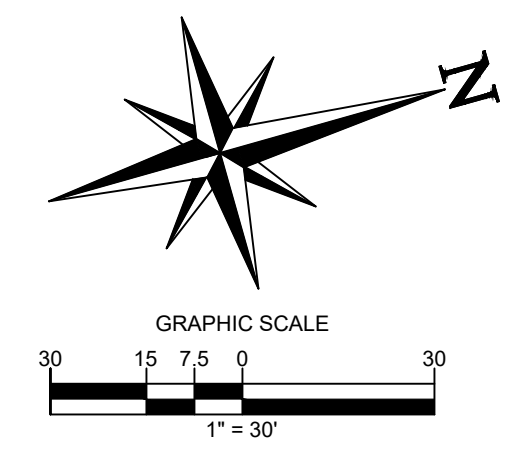
SHEET C2.1  
SEE SHEET C2



- KEYED NOTES:** (X)
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  - ADJOINING PROPERTY LINE
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  - EXISTING SANITARY STRUCTURES
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  - EXISTING UNDERGROUND ELECTRIC
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  - DEMO TREE
  - PROPOSED SAWCUT LINE
  - LIMITS OF DISTURBANCE

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  - [Hatch] DEMO ASPHALT
  - [Hatch] ASPHALT PAVEMENT TO BE MILLED
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  - [Hatch] DEMO GRASS/LANDSCAPE AREAS



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WATER TOWN, MA 02472  
PHONE (617) 576-0007  
ARCOSOE@CORE-STATES.COM

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CLIENT

**Pilot TRAVEL CENTERS**

PILOT TRAVEL CENTERS LLC.  
5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**

Know what's below. Call before you dig.

**REVISIONS**

| REV | DATE | COMMENT | BY |
|-----|------|---------|----|
|     |      |         |    |
|     |      |         |    |
|     |      |         |    |
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|     |      |         |    |

DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

SHEET TITLE  
DEMOLITION  
PLAN

|             |           |
|-------------|-----------|
| JOB #:      | PIL 28950 |
| DATE:       | 02/10/20  |
| SCALE:      | 1" = 30'  |
| DRAWN BY:   | MP        |
| CHECKED BY: | KGF       |

SHEET NO.  
**C2.1**

| ZONING DATA COMMERCIAL II ZONING DISTRICT |                   |                      |                      |           |
|-------------------------------------------|-------------------|----------------------|----------------------|-----------|
| ITEM                                      | REQUIRED          | EXISTING             | PROPOSED             | COMMENT   |
| LOT SIZE (AC.)                            | 1                 | 30.71                | 30.71                | COMPLIANT |
| LOT FRONTAGE (FT.)                        | 150               | 319.64               | 319.64               | COMPLIANT |
| STREET SETBACK (FT.)                      | 25 <sup>(1)</sup> | 124.165              | 142.86               | COMPLIANT |
| OTHER SETBACK (FT.)                       | 10                | 113.69               | 81.03                | COMPLIANT |
| MAXIMUM LOT COVERAGE (%)                  | 30                | 4.86 <sup>(2)</sup>  | 3.20 <sup>(2)</sup>  | COMPLIANT |
| MAXIMUM BUILDING HEIGHT (STORIES/FEET)    | 3/35              | 1.75/23              | 1/26                 | COMPLIANT |
| MAXIMUM IMPERVIOUS SURFACE (%)            | 70                | 76.78 <sup>(2)</sup> | 66.65 <sup>(2)</sup> | COMPLIANT |
| MINIMUM HABITABLE FLOOR AREA (S.F.)       | 750               | 16,041               | 13,902               | COMPLIANT |

(1) STREET LINE SETBACKS APPLY TO ALL STREETS FORMING CORNER LOTS.  
 (2) CALCULATION ACCOUNTS FOR LIMIT OF DISTURBANCE AREA.

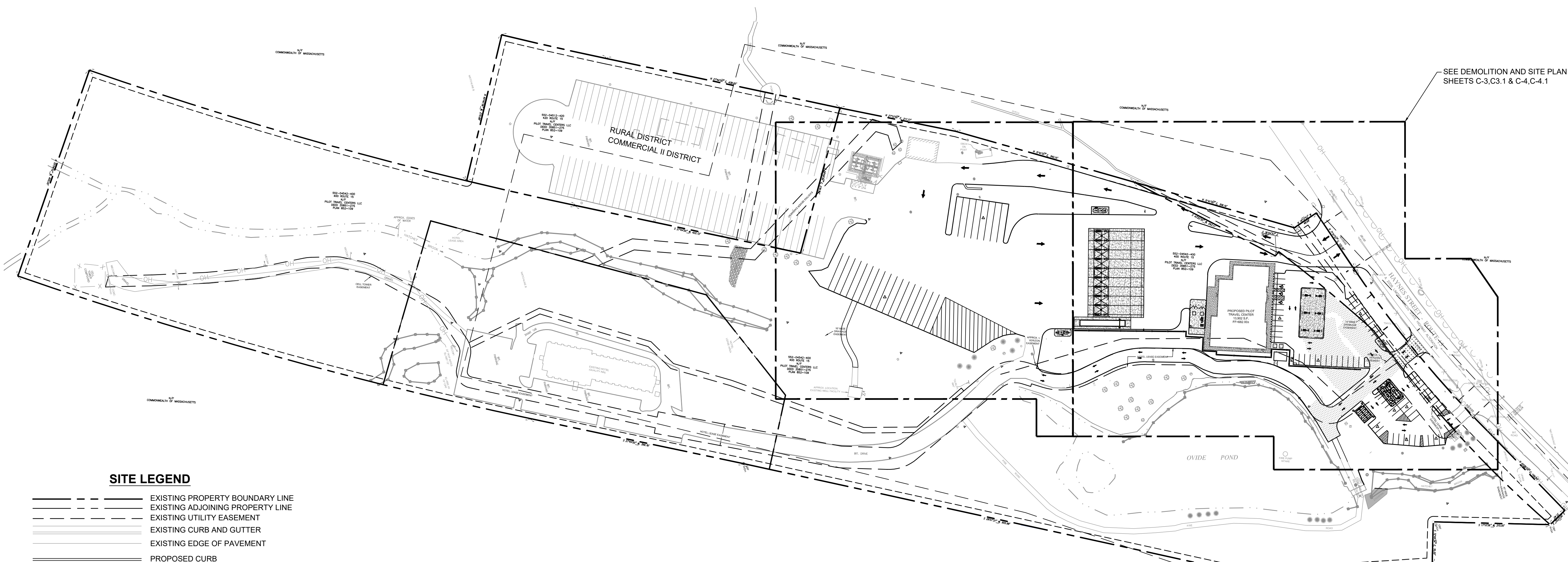
**IMPERVIOUS CALCULATION:**

EXISTING CONDITIONS:  
 IMPERVIOUS AREA = 333,722 SF

PROPOSED CONDITIONS:  
 IMPERVIOUS AREA = 289,677 SF

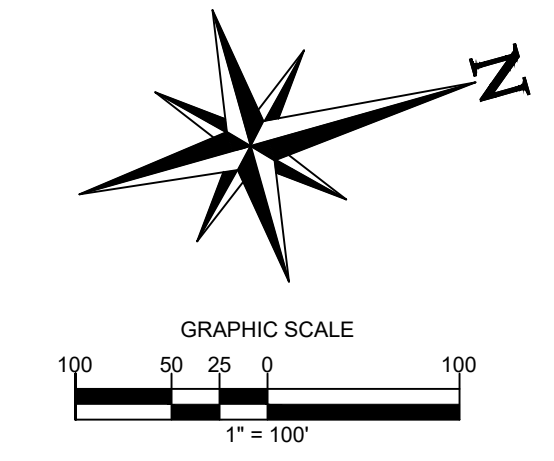
REDUCTION OF IMPERVIOUS AREA = 44,045 SF

\*\* CALCULATION BASED ON LIMITS OF DISTURBANCE



SEE DEMOLITION AND SITE PLAN SHEETS C-3,C3.1 & C-4,C-4.1

- SITE LEGEND**
- EXISTING PROPERTY BOUNDARY LINE
  - EXISTING ADJOINING PROPERTY LINE
  - EXISTING UTILITY EASEMENT
  - EXISTING CURB AND GUTTER
  - EXISTING EDGE OF PAVEMENT
  - PROPOSED CURB
  - PROPOSED DEPRESSED CURB
  - PROPOSED BUILDING
  - PROPOSED WATER STRUCTURES
  - PROPOSED STORM STRUCTURES
  - PROPOSED SANITARY STRUCTURES
  - PROPOSED SITE LIGHTING FIXTURES
  - ▨ EXISTING STORMWATER STRUCTURES
  - EXISTING SANITARY STRUCTURES
  - ⊗ EXISTING WATER STRUCTURE
  - ⊗ PROPOSED PARKING COUNT



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CLIENT

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 5508 LONAS ROAD  
 KNOXVILLE, TN 37909

**811**  
 Know what's below. Call before you dig.

**REVISIONS**

| REV | DATE | COMMENT | BY |
|-----|------|---------|----|
|     |      |         |    |
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|     |      |         |    |
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|     |      |         |    |

DOCUMENT  
 SITE PLAN  
 APPROVAL

SITE LOCATION  
 400 HAYNES STREET  
 STURBRIDGE, MA 01566

ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

SHEET TITLE  
 OVERALL SITE  
 PLAN

JOB #: PIL 28950  
 DATE: 02/10/20  
 SCALE: 1" = 30'  
 DRAWN BY: MP  
 CHECKED BY: KGF

SHEET NO.  
**C3.0**

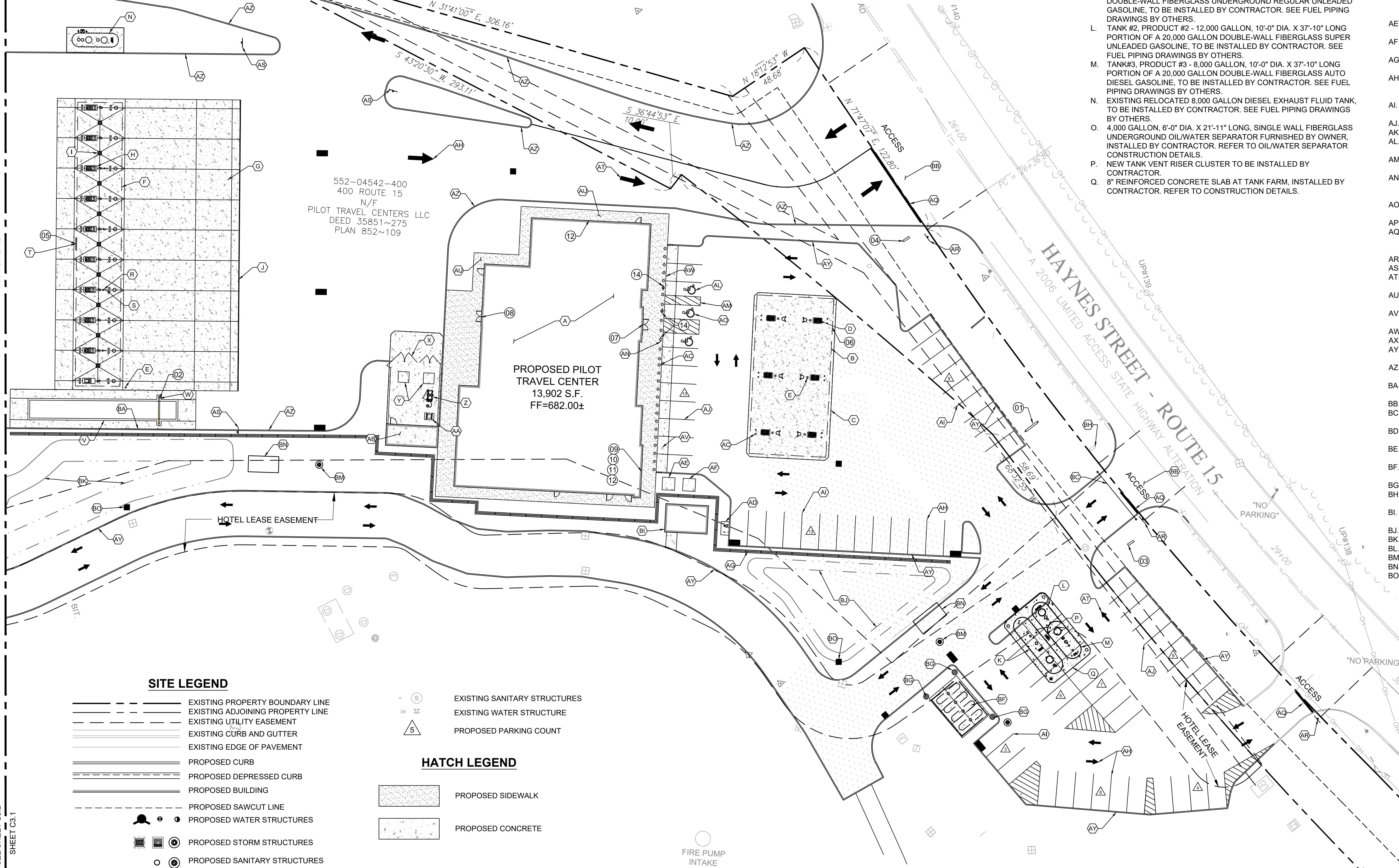
SEE SHEET C3.2 SHEET C3.1  
MATCH LINE  
SEE SHEET C3.2 SHEET C3.1

### SIGNAGE KEYNOTES

- 01 "PILOT" GOAL POST SIGN FURNISHED BY OWNER, INSTALLED BY SIGN SUPPLIER. CONCRETE FOUNDATION INSTALLED BY SIGN SUPPLIER.
- 02 "TRUCK SCALE" INTERNALLY ILLUMINATED SIGN FURNISHED AND INSTALLED BY TRUCK SCALE SUPPLIER. CONCRETE FOUNDATION BY TRUCK SCALE SUPPLIER. ELECTRICAL PROVIDED TO SCALE BY CONTRACTOR.
- 03 "AUTO ENTRY/EXIT" DIRECTIONAL SIGN FURNISHED BY OWNER, INSTALLED BY SIGN SUPPLIER. CONCRETE FOUNDATION.
- 04 "TRUCK ENTRY/EXIT" DIRECTIONAL SIGN FURNISHED BY OWNER, INSTALLED BY SIGN SUPPLIER. CONCRETE FOUNDATION.
- 05 DEF LED PRICER SIGN FURNISHED BY OWNER, INSTALLED BY SIGN SUPPLIER. ELECTRICAL INSTALLED BY CONTRACTOR.
- 06 "PILOT" CANOPY LOGO FURNISHED AND INSTALLED BY CANOPY SUPPLIER.
- 07 "PILOT" BUILDING SIGN FURNISHED BY OWNER, INSTALLED BY SIGN SUPPLIER.
- 08 "WELCOME DRIVERS" BUILDING SIGN FURNISHED BY OWNER, INSTALLED BY SIGN SUPPLIER.
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- 11 "AUNTIE ANNE'S" BUILDING SIGN FURNISHED AND INSTALLED BY SIGN SUPPLIER.
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- 13 "PED-XING" SIGN FURNISHED AND INSTALLED BY CONTRACTOR.
- 14 "ACCESSIBLE PARKING" POLE MOUNTED SIGNS, FURNISHED AND INSTALLED BY CONTRACTOR. (SEE CIVIL DETAILS FOR MOUNTING INSTRUCTIONS).
- 15 "PASSENGER LOADING ZONE ONLY" SIGN FURNISHED AND INSTALLED BY CONTRACTOR.

### KEYED NOTES

- A. "PILOT" 13,902 SF TRAVEL CENTER BUILDING. SEE ARCHITECTURAL DRAWINGS. INSTALLED BY CONTRACTOR.
- B. 43'-0" X 38'-9" AUTO CANOPY TO BE FURNISHED AND INSTALLED BY CANOPY SUPPLIER. CANOPY FOUNDATIONS TO BE INSTALLED BY CONTRACTOR. CONTRACTOR TO COORDINATE FINAL COLUMN LOCATIONS AND SIZES.
- C. 40'-0" X 92'-6" REINFORCED CONCRETE PAD FOR AUTO AUTO CANOPY. INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- D. CONCRETE ISLAND WITH WITH GAS/AUTO DIESEL (3 + 1) DISPENSER TYPICAL IN 6 LOCATIONS. INSTALLED BY CONTRACTOR. REFER TO FUEL PIPING DRAWINGS BY OTHERS.
- E. FUEL EMERGENCY STOP BUTTON TO BE INSTALLED BY CONTRACTOR. REFER TO FUEL PIPING DRAWINGS BY OTHERS.
- F. 25'-0" X 158'-9" TRUCK CANOPY TO BE FURNISHED AND INSTALLED BY CANOPY SUPPLIER. CANOPY FOUNDATIONS TO BE INSTALLED BY CONTRACTOR. CONTRACTOR TO COORDINATE FINAL COLUMN LOCATIONS AND SIZES.
- G. 38'-0" X 163'-0" 8" REINFORCED CONCRETE PAD FOR TRUCK CANOPY INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- H. CONCRETE ISLAND WITH A TRUCK DIESEL DISPENSER AND CONTAINMENT BOX TYPICAL AT 10 LOCATIONS, INSTALLED BY CONTRACTOR.
- I. PREFABRICATED TRUCK ISLAND CATCH BASIN TYPICAL 9 LOCATIONS. SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.
- J. 12" WIDE PAINTED (SAFETY YELLOW) PULL FORWARD LINE INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- K. TANK #1, PRODUCT #1 - 20,000 GALLON, 10'-0" DIA. X 37'-8 3/4" LONG DOUBLE-WALL FIBERGLASS UNDERGROUND REGULAR UNLEADED GASOLINE. TO BE INSTALLED BY CONTRACTOR. SEE FUEL PIPING DRAWINGS BY OTHERS.
- L. TANK #2, PRODUCT #2 - 12,000 GALLON, 10'-0" DIA. X 37'-10" LONG PORTION OF A 20,000 GALLON DOUBLE-WALL FIBERGLASS SUPER UNLEADED GASOLINE. TO BE INSTALLED BY CONTRACTOR. SEE FUEL PIPING DRAWINGS BY OTHERS.
- M. TANK #3, PRODUCT #3 - 8,000 GALLON, 10'-0" DIA. X 37'-10" LONG PORTION OF A 20,000 GALLON DOUBLE-WALL FIBERGLASS AUTO DIESEL GASOLINE. TO BE INSTALLED BY CONTRACTOR. SEE FUEL PIPING DRAWINGS BY OTHERS.
- N. EXISTING RELOCATED 8,000 GALLON DIESEL EXHAUST FLUID TANK, TO BE INSTALLED BY CONTRACTOR. SEE FUEL PIPING DRAWINGS BY OTHERS.
- O. 4,000 GALLON, 6'-0" DIA. X 21'-11" LONG, SINGLE WALL FIBERGLASS UNDERGROUND OIL/WATER SEPARATOR FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. REFER TO OIL/WATER SEPARATOR CONSTRUCTION DETAILS.
- P. NEW TANK VENT RISER CLUSTER TO BE INSTALLED BY CONTRACTOR.
- Q. 8" REINFORCED CONCRETE SLAB AT TANK FARM, INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.



### SITE LEGEND

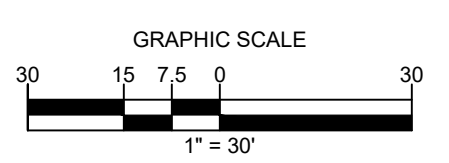
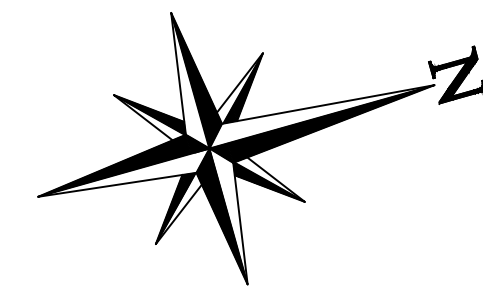
- EXISTING PROPERTY BOUNDARY LINE
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- EXISTING UTILITY EASEMENT
- EXISTING CURB AND GUTTER
- EXISTING EDGE OF PAVEMENT
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED BUILDING
- PROPOSED SAWCUT LINE
- PROPOSED WATER STRUCTURES
- PROPOSED STORM STRUCTURES
- PROPOSED SANITARY STRUCTURES
- PROPOSED SITE LIGHTING FIXTURES
- EXISTING STORMWATER STRUCTURES

- EXISTING SANITARY STRUCTURES
- EXISTING WATER STRUCTURE
- △ PROPOSED PARKING COUNT

### HATCH LEGEND

- ▨ PROPOSED SIDEWALK
- ▨ PROPOSED CONCRETE

FIRE PUMP INTAKE



### ALERT TO CONTRACTOR:

PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM ENGINEER AND THE OWNER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. ENGINEER AND OWNER SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

**CORE STATES GROUP**  
 9 GALEN STREET, SUITE 117  
 WATERTOWN, MA 02472  
 PHONE (617) 576-0007  
 APOC@CORE-STATES.COM

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CLIENT  
**Pilot TRAVEL CENTERS**  
 PILOT TRAVEL CENTERS LLC.  
 5508 LONAS ROAD  
 KNOXVILLE, TN 37909

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DOCUMENT  
 SITE PLAN  
 APPROVAL

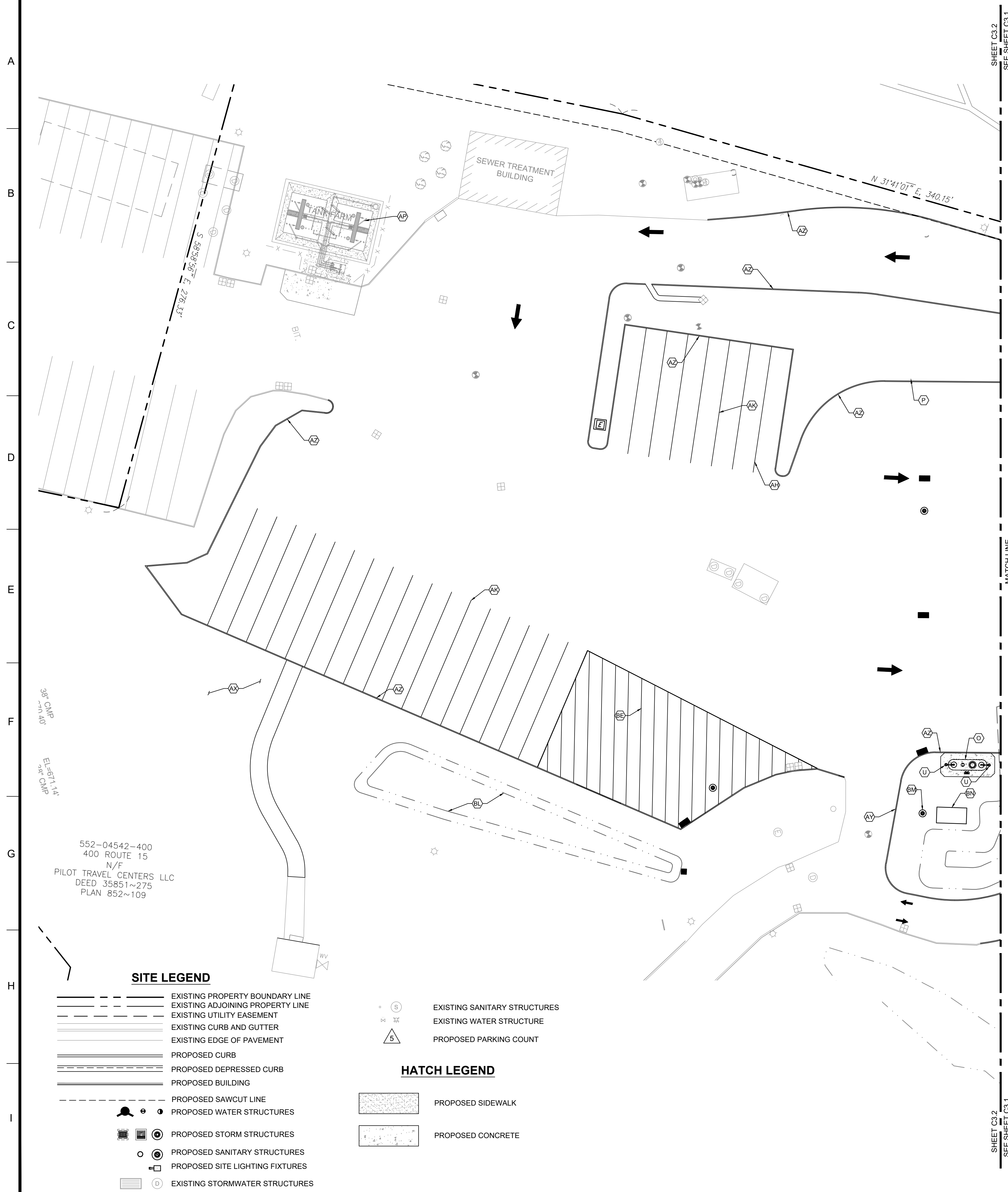
SITE LOCATION  
 400 HAYNES STREET  
 STURBRIDGE, MA 01566

ENGINEER SEAL  
  
 ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

SHEET TITLE  
 SITE PLAN

JOB #: P1L28950  
 DATE: 02/10/20  
 SCALE: 1" = 30'  
 DRAWN BY: MP  
 CHECKED BY: KGF

SHEET NO.  
**C3.1**



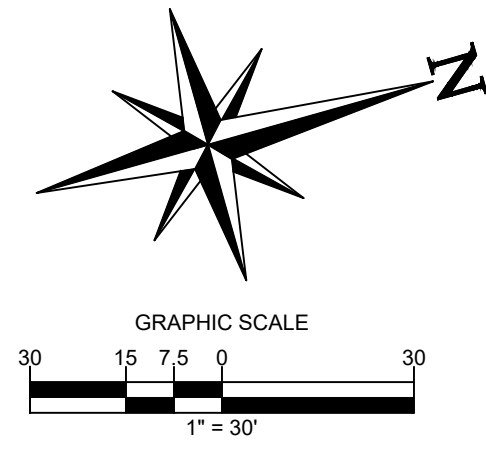
**KEYED NOTES:** (X)

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- Q. 8" REINFORCED CONCRETE SLAB AT TANK FARM. INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- R. TRUCK AIR STAND, TYPICAL AT EVERY OTHER TRUCK FUELING ISLAND, SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.
- S. TRUCK FREEZE PROOF WATER STAND TYPICAL AT EVERY OTHER TRUCK FUELING ISLAND FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
- T. DEF LED PRICER SIGN FURNISHED BY OWNER, INSTALLED BY SIGN SUPPLIER. ELECTRICAL INSTALLED BY CONTRACTOR.
- U. CLEAN OUT FOR OIL/WATER SEPARATOR FURNISHED AND INSTALLED BY CONTRACTOR. REFER TO OIL/WATER SEPARATOR DETAILS.
- V. TRUCK SCALE, CONCRETE TRUCK SCALE PIT AND TRUCK SCALE FURNISHED AND INSTALLED BY TRUCK SCALE SUPPLIER. ELECTRICAL, COMMUNICATIONS AND DRAINAGE PROVIDED TO THE SCALE PIT BY CONTRACTOR, COORDINATION TO BE DONE BY CONTRACTOR.
- W. "TRUCK SCALE" INTERNALLY SIGN FURNISHED AND INSTALLED BY TRUCK SCALE SUPPLIER. CONCRETE FOUNDATION BY TRUCK SCALE SUPPLIER, ELECTRICAL PROVIDED TO SCALE BY CONTRACTOR.
- X. TRASH ENCLOSURE 8' PVC CHAIN LINK FENCE WITH VINYL INSERTS

- Y. MOUNTED ON REINFORCED CONCRETE PAD WITH PROTECTIVE STEEL BOLLARDS. INSTALLED BY CONTRACTOR (SEE ARCHITECTURAL DRAWINGS FOR DETAILS).
- Z. CARBOARD BAILER OR RECYCLE DUMPSTER, FURNISHED AND INSTALLED BY DUMPSTER SUPPLIER.
- AA. GREASE CONTAINER, PROVIDED BY OWNER.
- AB. PROPOSED STORAGE SHED, FURNISHED BY OWNER. ELECTRICAL & A/C INSTALL BY CONTRACTOR.
- AC. 6" STEEL PIPE BOLLARD (TYP.) FURNISHED AND INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AD. AUTO AIR/VACUUM PROVIDED BY OWNER, ELECTRICAL BY CONTRACTOR, YARD HYDRANT BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AE. 7'0" X 7'0" REINFORCED CONCRETE PAD FOR LOCAL UTILITY ELECTRICAL TRANSFORMER INSTALLED BY CONTRACTOR.
- AF. 7'0" X 7'0" REINFORCED PAD FOR PILOT TRAVEL CENTER DISTRIBUTION ELECTRICAL. INSTALLED BY CONTRACTOR.
- AG. 4' HIGH GALVANIZED ALUMINUM SPINDLE FENCE FOR PEDESTRIAN SAFETY, FURNISHED AND INSTALLED BY CONTRACTOR.
- AH. ALL DIRECTION AND PARKING STRIPING TO BE SAFETY YELLOW-UNLESS NOTED OTHERWISE (TYP.) TO BE INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AI. TRAFFIC STRIPING 6" WIDE FURNISHED AND INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AJ. 10' X 20' PARKING SPACE (TYP.)
- AK. 12' X 72' TRUCK SPACE (TYP.)
- AL. 8' X 20' BUILDING ADJACENT ADA PARKING SPACE. REFER TO CONSTRUCTION DETAILS.
- AM. 8' WIDE COMPLIANT LOADING AREA. REFER TO CONSTRUCTION DETAILS.
- AN. ADA PARKING SIGNS, MOUNTED ON POLES IN BOLLARDS, FURNISHED AND INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AO. ADA PARKING PAVEMENT SYMBOL AND LETTER FURNISHED AND INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AP. EXISTING ABOVEGROUND TANK FARM TO REMAIN.
- AQ. 24" WIDE THERMOPLASTIC STRIPE FOR STOP BAR PAINTED ON PAVEMENT INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AR. STOP SIGN (R1-1). REFER TO CONSTRUCTION DETAILS.
- AS. "DO NOT ENTER" SIGN (R5-1). REFER TO CONSTRUCTION DETAILS.
- AT. DIRECTIONAL TRAFFIC ARROW PAINTED ON PAVEMENT TO BE INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AU. CONCRETE SIDEWALK INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AV. SIDEWALK TURNDOWN AT FRONT OF BUILDING TO BE INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAILS.
- AW. ZERO ELEVATION CURB (137 LF) TO BE INSTALLED BY CONTRACTOR.
- AX. SEED AND STRAW IN AREA OF ASPHALT REMOVAL.
- AY. STANDARD DUTY CONCRETE CURB AND GUTTER (XX LF) INSTALLED BY CONTRACTOR. SEE CONSTRUCTION DETAILS.
- AZ. HEAVY DUTY CONCRETE CURB AND GUTTER (XX LF) INSTALLED BY CONTRACTOR. SEE CONSTRUCTION DETAILS.
- BA. VERTICAL CONCRETE CURB (XX LF) TO BE INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAIL SHEET.
- BB. MASSDOT IMPROVEMENT. SEE MASSDOT SHEETS.
- BC. HEIGHT BAR AT DRIVEWAY ENTRANCE. INSTALLED BY CONTRACTOR.
- BD. RETAINING WALL AND FOUNDATION TO BE INSTALLED BY CONTRACTOR. REFER TO CONSTRUCTION DETAIL SHEET.
- BE. TRAFFIC STRIPING 4" WIDE PAINTED (SAFETY YELLOW) PARALLEL STRIPES AT 16" O.C. FURNISHED AND INSTALLED BY CONTRACTOR.
- BF. PROPOSED PROPANE TANK FARM FOR SERVICE THE NEW "PILOT TRAVEL CENTER" BUILDING.
- BG. PROPOSED 3" DIAMETER BOLLARDS.
- BH. EXISTING "DAYS INN" TO REMAIN. CONTRACTOR TO PROTECT IN PLACE.
- BI. PROPOSED FIRE PUMP BUILDING STRUCTURE AND FOUNDATION TO BE INSTALLED BY CONTRACTOR.
- BJ. PROPOSED WATER QUALITY BASIN #1. REFER TO UTILITY PLANS.
- BK. PROPOSED WATER QUALITY BASIN #2. REFER TO UTILITY PLANS.
- BL. PROPOSED WATER QUALITY BASIN #3 REFER TO UTILITY PLANS.
- BM. PROPOSED 5' DIAM. DIVERSION MANHOLE.
- BN. PROPOSED OIL WATER SEPARATOR. REFER TO UTILITY PLANS.
- BO. PROPOSED BASIN OVERFLOW STRUCTURE.

**SIGNAGE KEYNOTES** (X)

- 01 "PILOT" GOAL POST SIGN FURNISHED BY OWNER, INSTALLED BY SIGN SUPPLIER. CONCRETE FOUNDATION INSTALLED BY SIGN SUPPLIER.
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- 15 "PASSENGER LOADING ZONE ONLY" SIGN FURNISHED AND INSTALLED BY CONTRACTOR.



**SITE LEGEND**

- EXISTING PROPERTY BOUNDARY LINE
- EXISTING ADJOINING PROPERTY LINE
- EXISTING UTILITY EASEMENT
- EXISTING CURB AND GUTTER
- EXISTING EDGE OF PAVEMENT
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED BUILDING
- PROPOSED SAWCUT LINE
- PROPOSED WATER STRUCTURES
- PROPOSED STORM STRUCTURES
- PROPOSED SANITARY STRUCTURES
- PROPOSED SITE LIGHTING FIXTURES
- EXISTING STORMWATER STRUCTURES
- EXISTING SANITARY STRUCTURES
- EXISTING WATER STRUCTURE
- PROPOSED PARKING COUNT
- PROPOSED SIDEWALK
- PROPOSED CONCRETE

**HATCH LEGEND**

- PROPOSED SIDEWALK
- PROPOSED CONCRETE

552-04542-400  
400 ROUTE 15  
N/F  
PILOT TRAVEL CENTERS LLC  
DEED 35851~275  
PLAN 852~109

**CORE STATES GROUP**  
9 GALEN STREET, SUITE 117  
WATER TOWN, MA 02472  
PHONE (617) 576-0007  
ARCSCOE@CORE-STATES.COM

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CLIENT  
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PILOT TRAVEL CENTERS LLC.  
5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**  
Know what's below. Call before you dig.  
The contractor is specifically cautioned that the location and/or dimensions of existing utilities shown on these drawings are based on records. Records of the utility owners are shown for informational purposes only. The contractor shall verify the location and depth of all utilities before any excavation or construction. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COORDINATION WITH ALL UTILITIES.

**REVISIONS**

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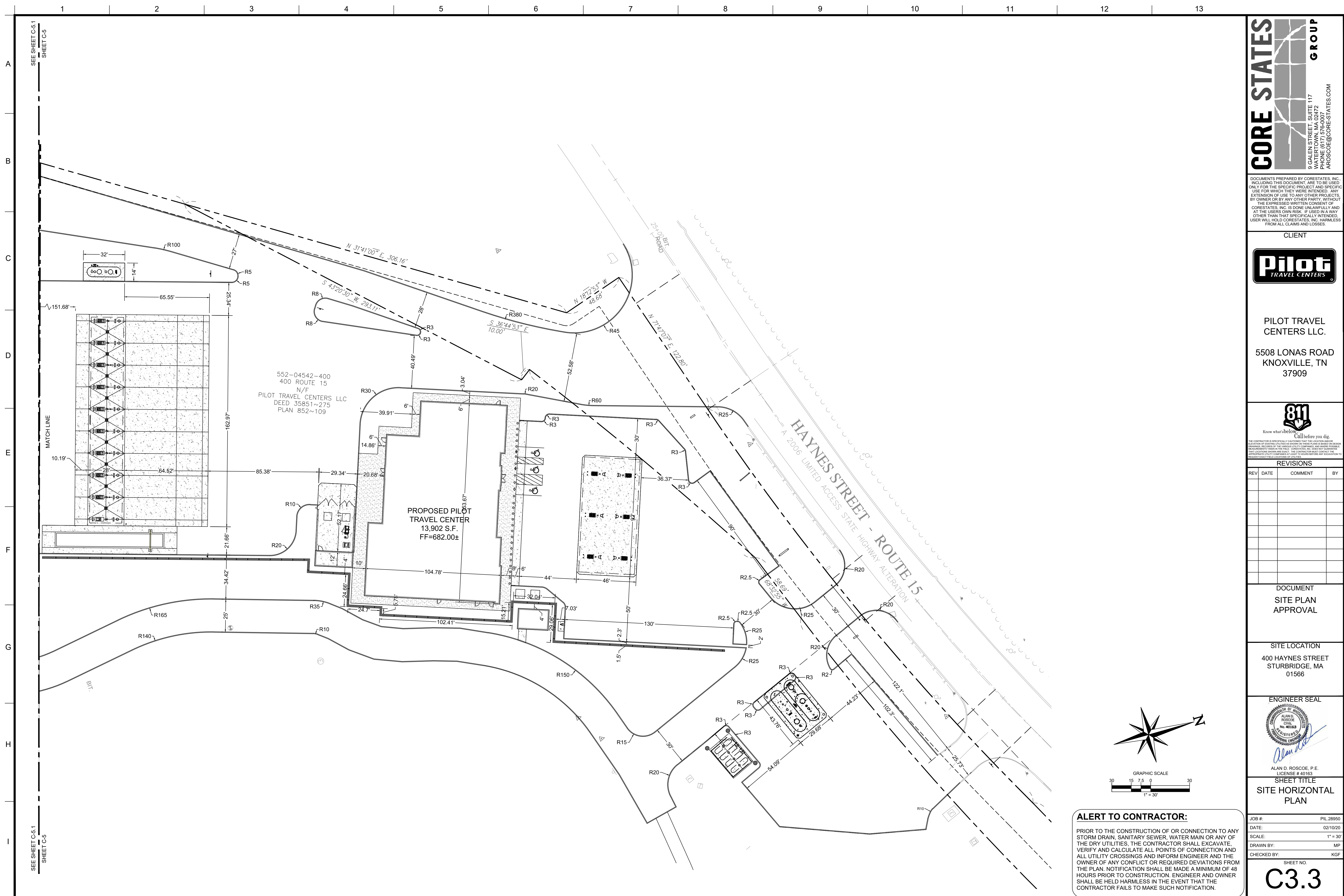
DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

ENGINEER SEAL  
  
ALAN D. ROSCOE, P.E.  
LICENSE # 40163

SHEET TITLE  
SITE PLAN  
JOB #: PIL 28950  
DATE: 02/10/20  
SCALE: 1" = 30'  
DRAWN BY: MP  
CHECKED BY: KGF  
SHEET NO.  
**C3.2**

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REVISIONS

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DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

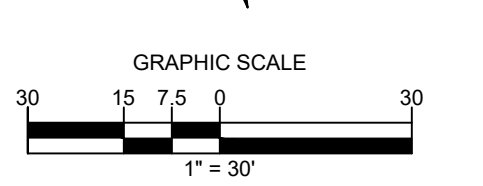
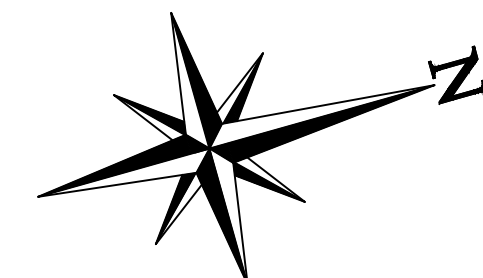
ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

SHEET TITLE  
SITE HORIZONTAL  
PLAN

JOB #: PIL 28950  
DATE: 02/10/20  
SCALE: 1" = 30'  
DRAWN BY: MP  
CHECKED BY: KGF

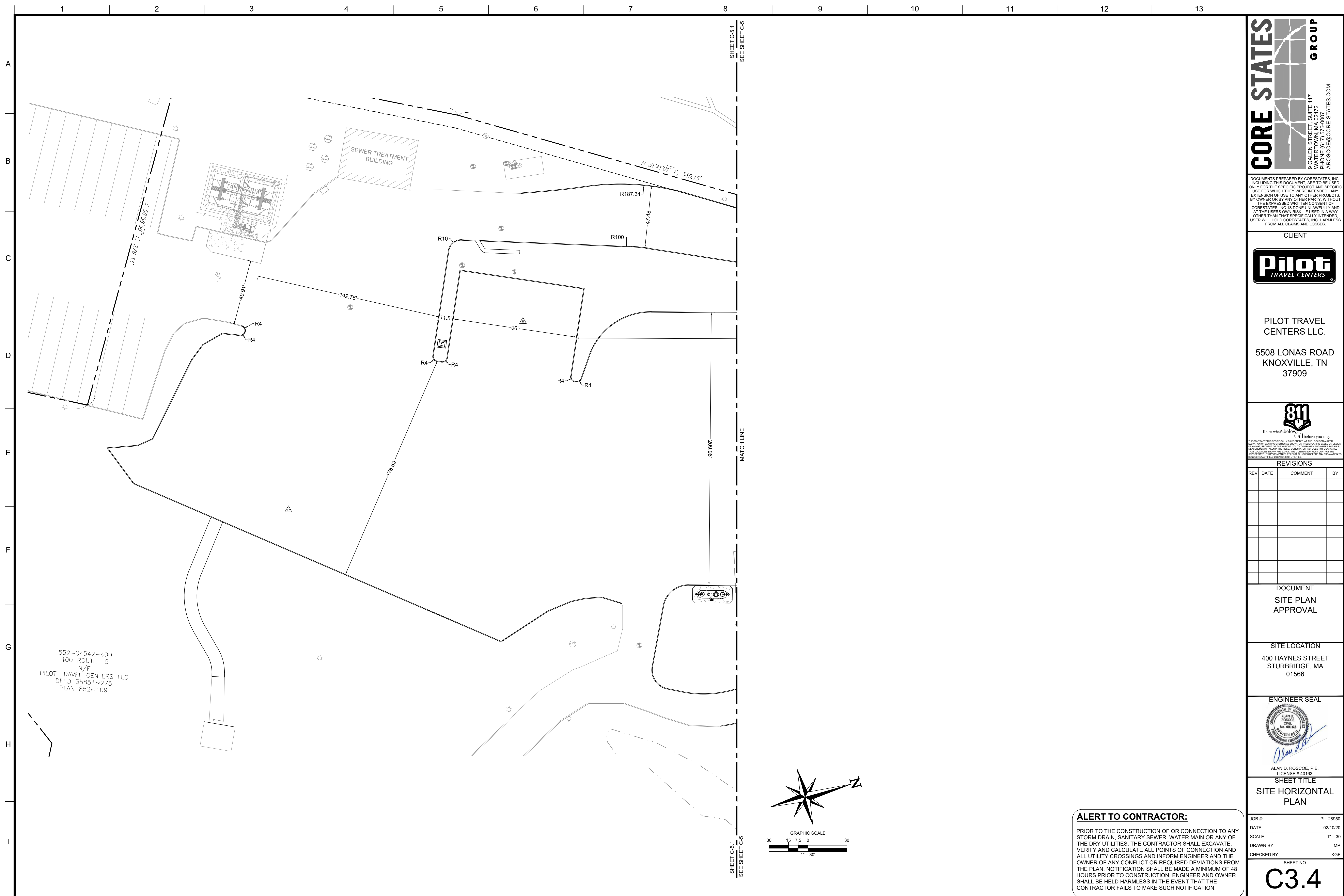
SHEET NO.  
**C3.3**



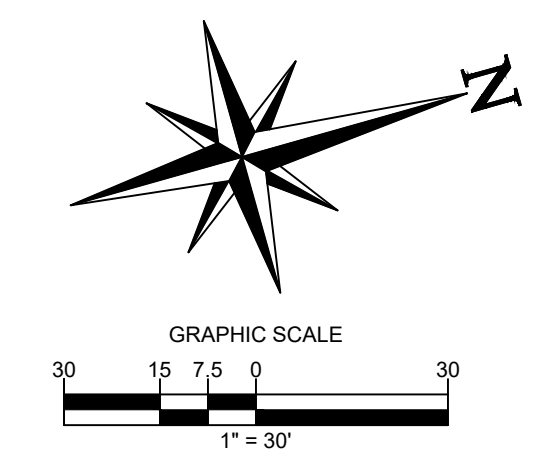
**ALERT TO CONTRACTOR:**

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 400 ROUTE 15  
 N/F  
 PILOT TRAVEL CENTERS LLC  
 DEED 35851~275  
 PLAN 852~109




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**CORE STATES GROUP**  
 9 GALEN STREET, SUITE 117  
 WATERTOWN, MA 02472  
 PHONE (617) 576-0007  
 ARSCOE@CORE-STATES.COM

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CLIENT  
  
**Pilot TRAVEL CENTERS**  
 PILOT TRAVEL CENTERS LLC.  
 5508 LONAS ROAD  
 KNOXVILLE, TN 37909

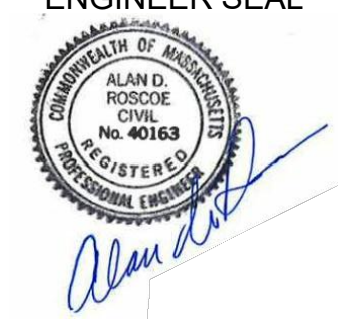
  
 Know what's below. Call before you dig.  
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON RECORD DRAWINGS. RECORDS OF THE MEMBER CITY, TOWN OR STATE SHOULD BE CONSULTED FOR VERIFICATION. CORE STATES, INC. DOES NOT GUARANTEE THE LOCATION OR DEPTH OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

REVISIONS

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DOCUMENT  
 SITE PLAN  
 APPROVAL

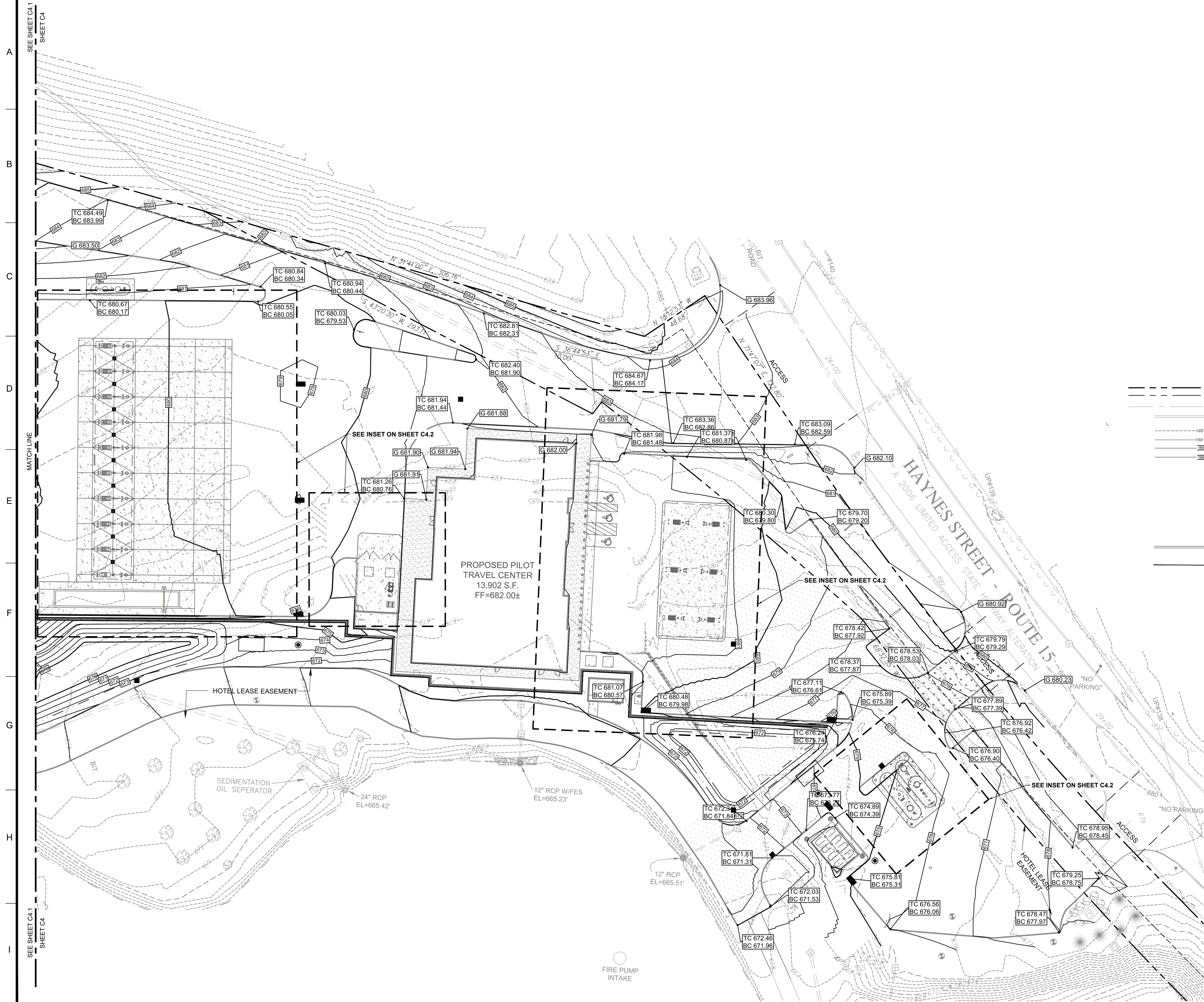
SITE LOCATION  
 400 HAYNES STREET  
 STURBRIDGE, MA  
 01566

ENGINEER SEAL  
  
 ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

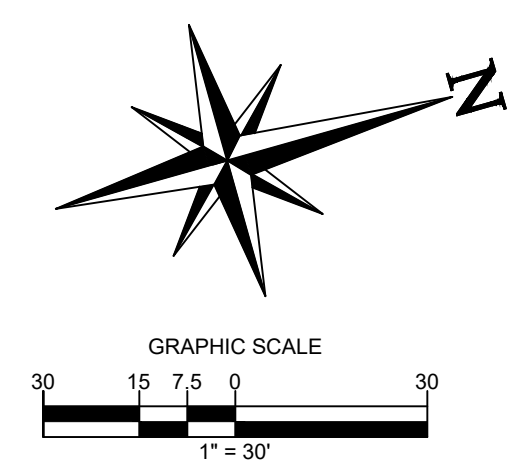
SHEET TITLE  
 SITE HORIZONTAL PLAN

JOB #: PIL 28950  
 DATE: 02/10/20  
 SCALE: 1" = 30'  
 DRAWN BY: MP  
 CHECKED BY: KGF

SHEET NO.  
**C3.4**



- SITE LEGEND:**
- EXISTING PROPERTY BOUNDARY LINE
  - - - EXISTING ADJOINING PROPERTY LINE
  - EXISTING ROAD CENTERLINE
  - EXISTING CURB
  - EXISTING 5' INTERVAL CONTOUR LINE
  - EXISTING 1' INTERVAL CONTOUR LINE
  - PROPOSED 5' INTERVAL CONTOUR LINE
  - PROPOSED 1' INTERVAL CONTOUR LINE
  - [G XXX.XX] PROPOSED GROUND SPOT SHOTS
  - [TW XX.XX] PROPOSED TOP OF WALL SPOT SHOTS
  - [BW XX.XX] PROPOSED BOTTOM OF WALL SPOT SHOTS
  - [TC XX.XX] TOP OF CURB SPOT SHOTS MATCH EXISTING
  - PROPOSED CURB
  - PROPOSED RIDGE LINE



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**CORE STATES GROUP**

9 GALEN STREET, SUITE 117  
WATER TOWN, MA 02472  
PHONE (617) 576-0007  
ARCSCOE@CORE-STATES.COM

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CLIENT

**Pilot TRAVEL CENTERS**

PILOT TRAVEL CENTERS LLC.

5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**

Know what's below. Call before you dig.

The contractor is specifically cautioned that the location and/or depth of existing utilities shown on these drawings are based on measurements taken in the field. CORE STATES, INC. DOES NOT WARRANT THE LOCATION OR DEPTH OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION TO AVOID DAMAGE TO EXISTING UTILITIES.

**REVISIONS**

| REV | DATE | COMMENT | BY |
|-----|------|---------|----|
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DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

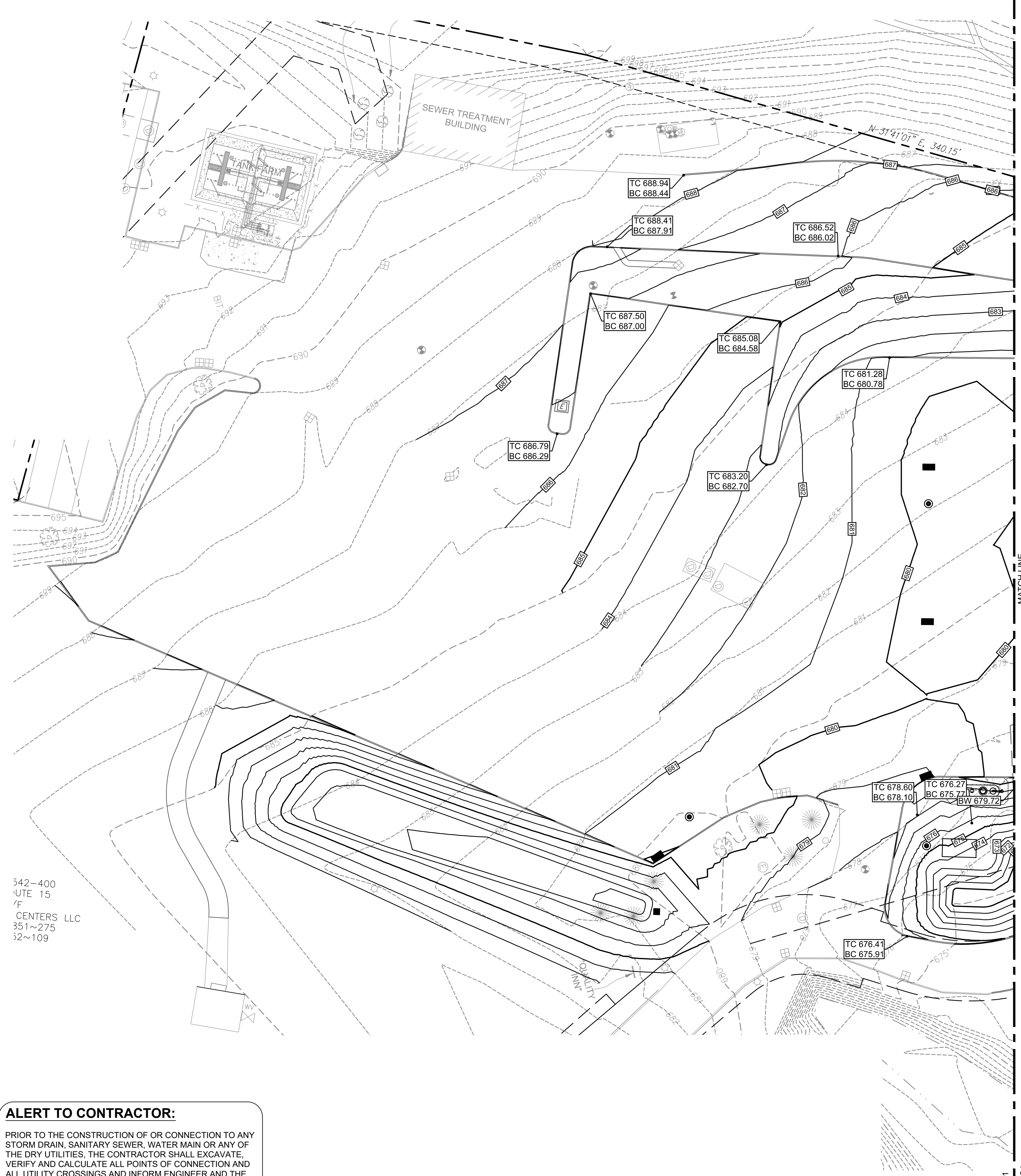
ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

SHEET TITLE  
GRADING  
PLAN

|             |           |
|-------------|-----------|
| JOB #:      | PIL 28950 |
| DATE:       | 02/10/20  |
| SCALE:      | 1" = 30'  |
| DRAWN BY:   | MP        |
| CHECKED BY: | KGF       |

SHEET NO.  
**C4.0**



**SITE LEGEND:**

|            |                                       |
|------------|---------------------------------------|
| ---        | EXISTING PROPERTY BOUNDARY LINE       |
| ---        | EXISTING ADJOINING PROPERTY LINE      |
| ---        | EXISTING ROAD CENTERLINE              |
| ---        | EXISTING CURB                         |
| ---        | EXISTING 5' INTERVAL CONTOUR LINE     |
| ---        | EXISTING 1' INTERVAL CONTOUR LINE     |
| ---        | PROPOSED 5' INTERVAL CONTOUR LINE     |
| ---        | PROPOSED 1' INTERVAL CONTOUR LINE     |
| ● G XX.XX  | PROPOSED GROUND SPOT SHOTS            |
| ● TW XX.XX | PROPOSED TOP OF WALL SPOT SHOTS       |
| ● BW XX.XX | PROPOSED BOTTOM OF WALL SPOT SHOTS    |
| ● TC XX.XX | TOP OF CURB SPOT SHOTS MATCH EXISTING |
| ---        | PROPOSED CURB                         |
| ---        | PROPOSED RIDGE LINE                   |

- GRADING NOTES:**
- ALL PAVING AND GRADING CONSTRUCTION MATERIALS AND METHODS SHALL MEET THE STANDARD SPECIFICATIONS AND REQUIREMENTS OF STATEN ISLAND.
  - CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
  - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
  - ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
  - STORM PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS. PRIOR TO FINAL INSPECTION.
  - EXISTING CONTOUR INTERVALS SHOWN AT 1.0 FOOT.
  - PROPOSED CONTOUR INTERVALS SHOWN AT 1.0 FOOT.
  - IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
  - CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
  - CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
  - TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
  - ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
  - CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
  - CONTRACTOR TO MAINTAIN 1.5% MAXIMUM CROSS-SLOPE ON ALL SIDEWALKS AND CROSSWALKS. CONTRACTOR TO MODIFY PAVEMENT GRADES AS NECESSARY TO MAINTAIN MAXIMUM CROSS-SLOPE IN CROSSWALKS.
  - CONTRACTOR TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES WITH 2% MINIMUM SLOPE IN PERVIOUS AREAS AND 1.5% MINIMUM SLOPE IN PAVED AREAS UNLESS OTHERWISE NOTED.

342-400  
UTE 15  
/F  
CENTERS LLC  
351~275  
32~109

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PILOT TRAVEL CENTERS LLC.  
5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**  
Know what's below. Call before you dig.

**REVISIONS**

| REV | DATE | COMMENT | BY |
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DOCUMENT  
SITE PLAN  
APPROVAL

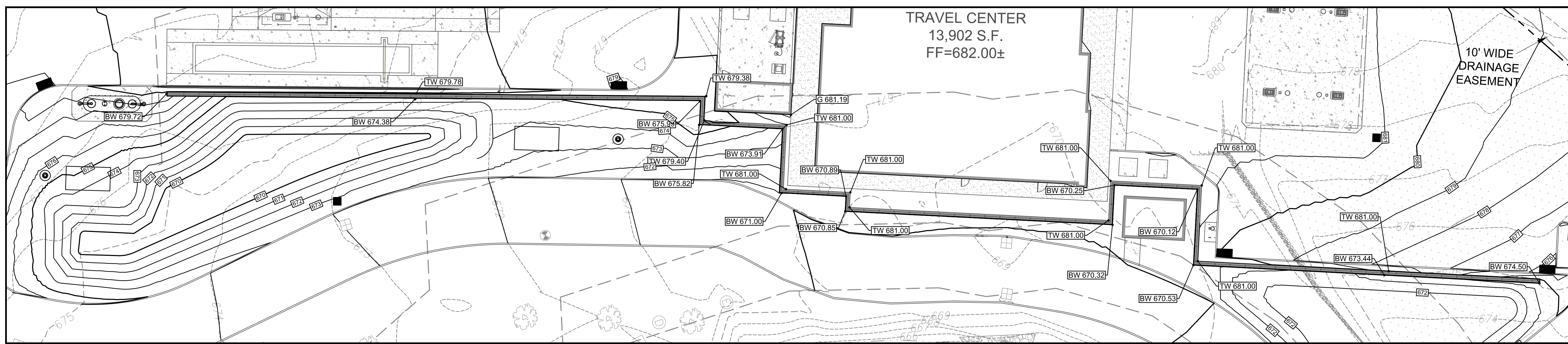
SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA  
01566

ENGINEER SEAL  
ALAN D. ROSCOE, P.E.  
LICENSE # 40163

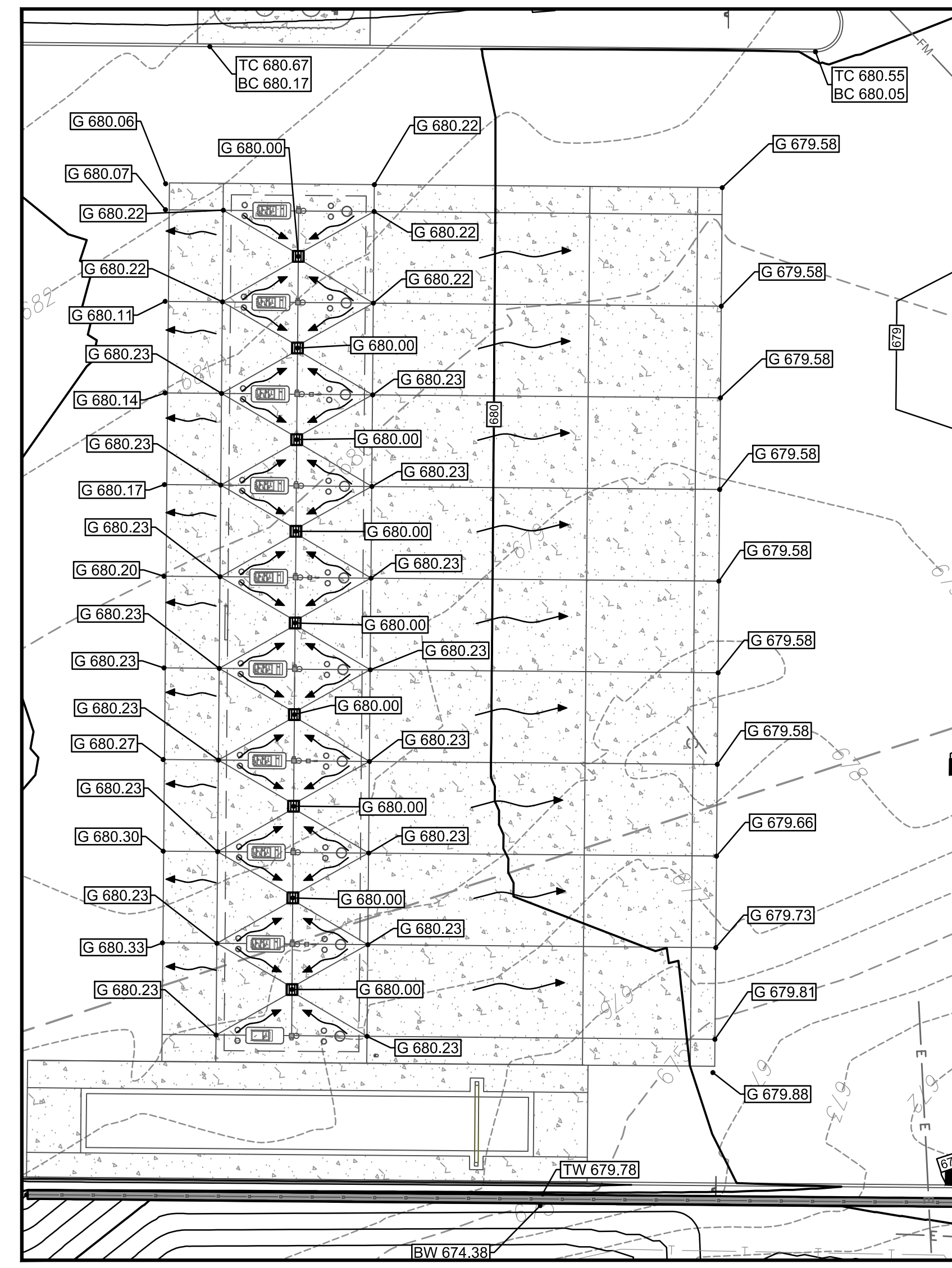
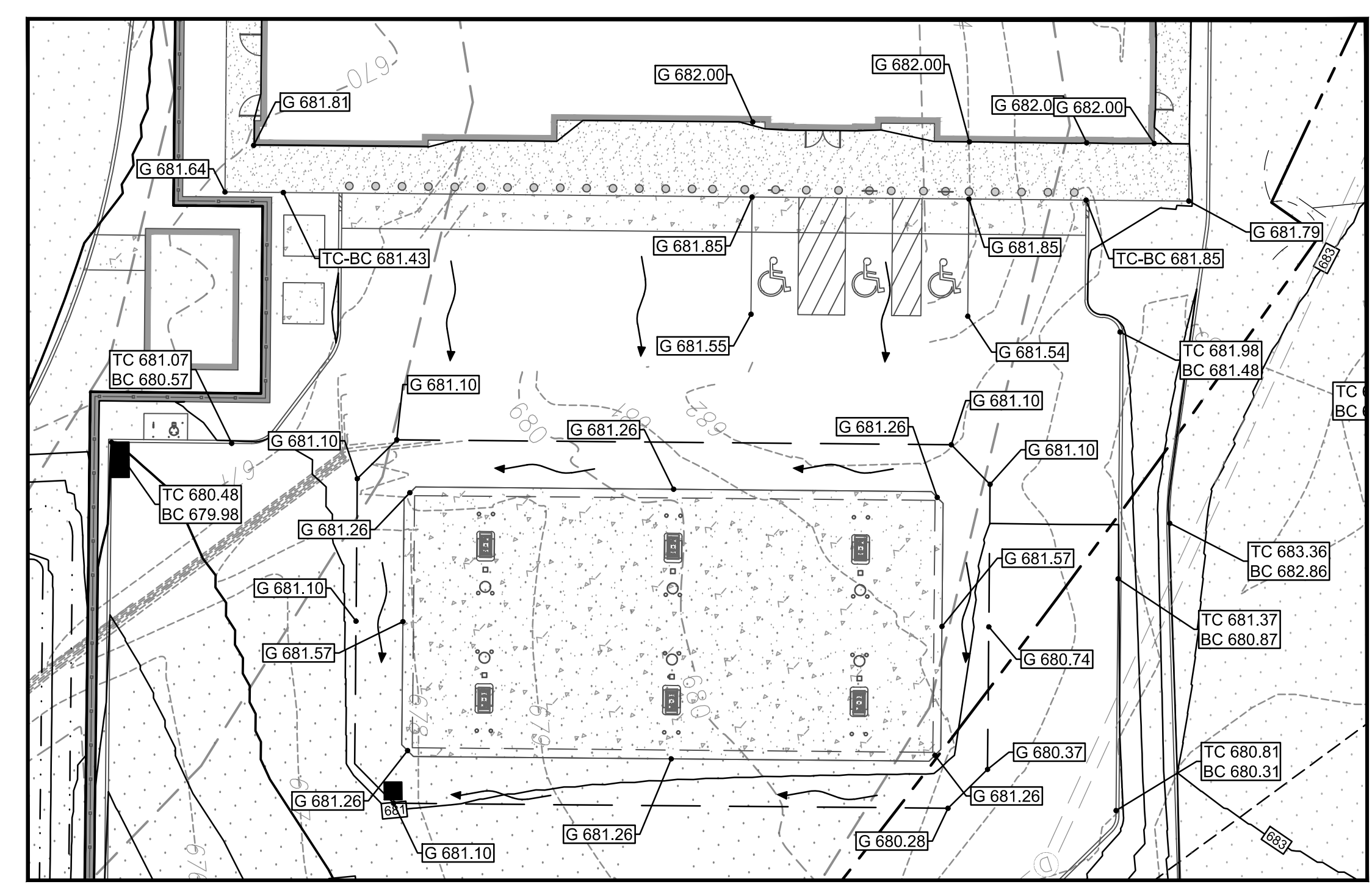
SHEET TITLE  
GRADING  
PLAN

JOB #: PIL-28950  
DATE: 02/10/20  
SCALE: 1" = 30'  
DRAWN BY: MP  
CHECKED BY: KGF

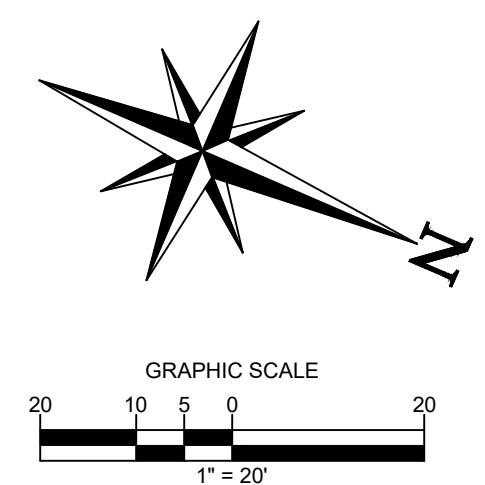
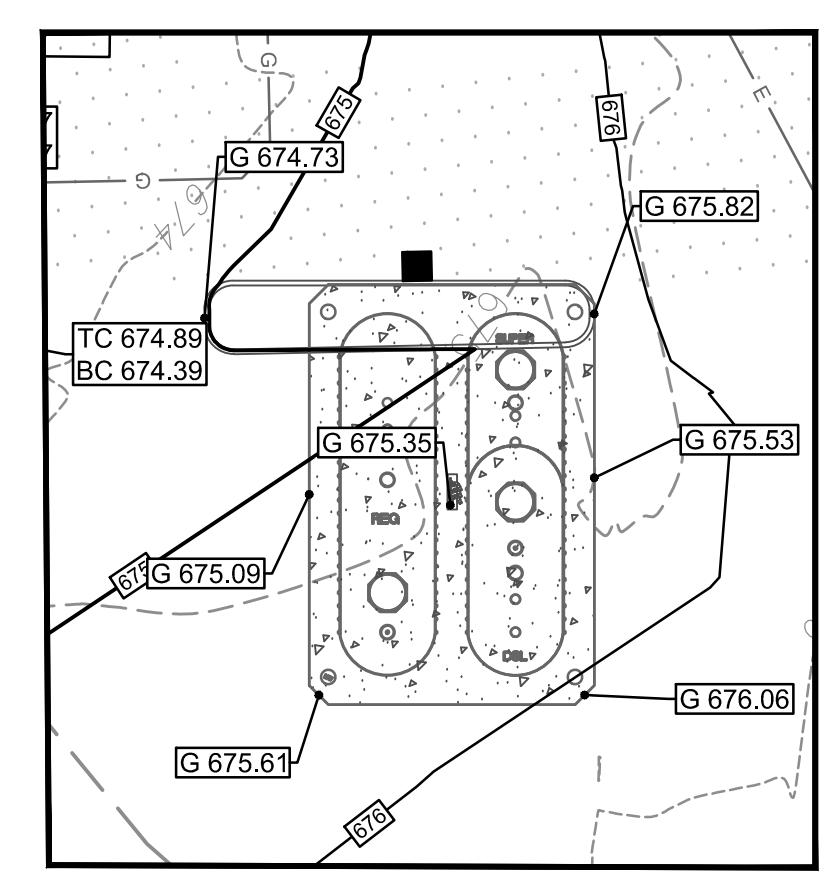
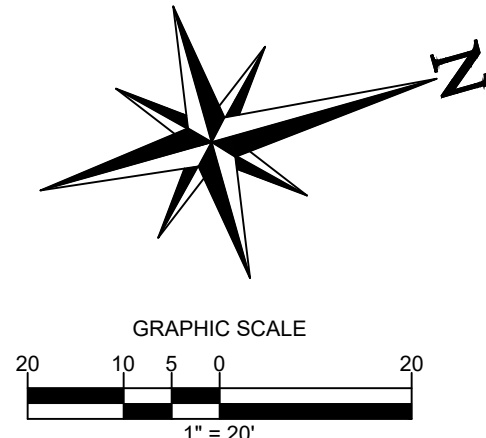
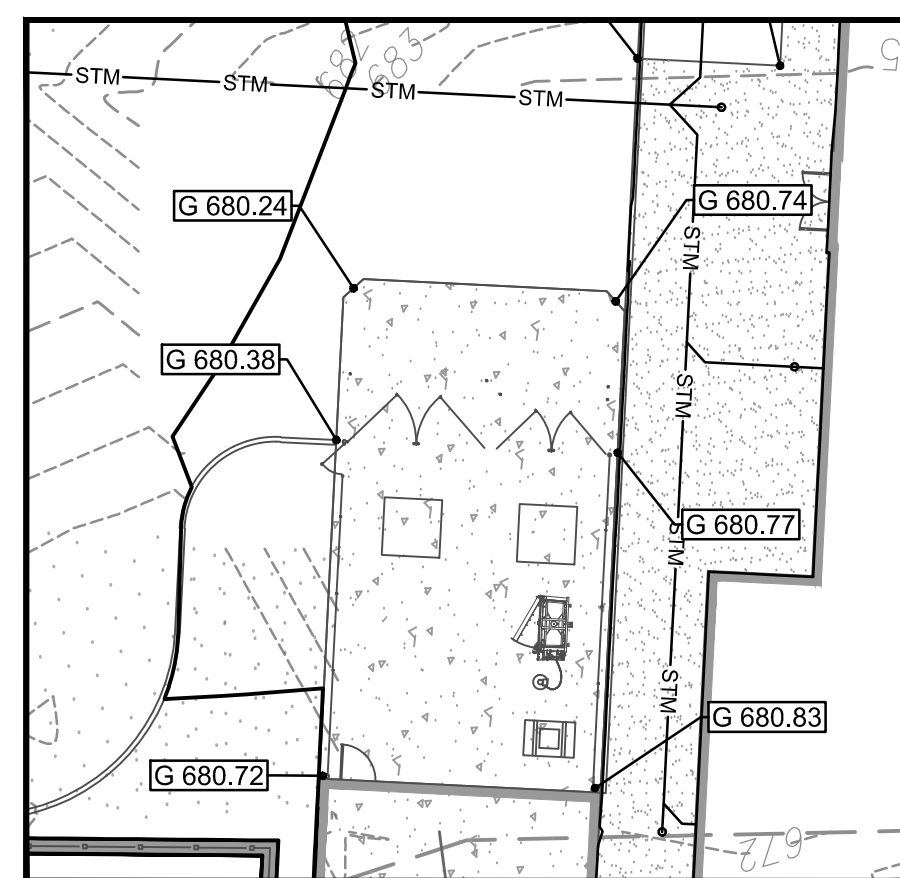
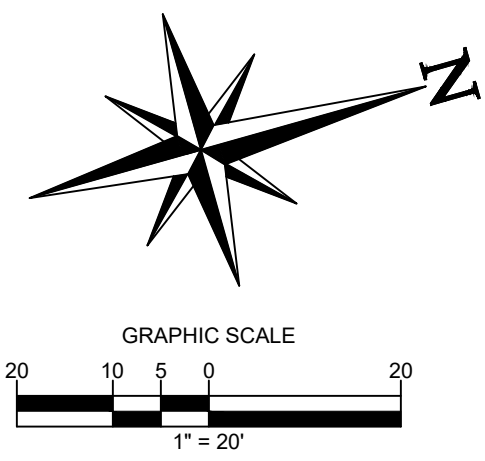
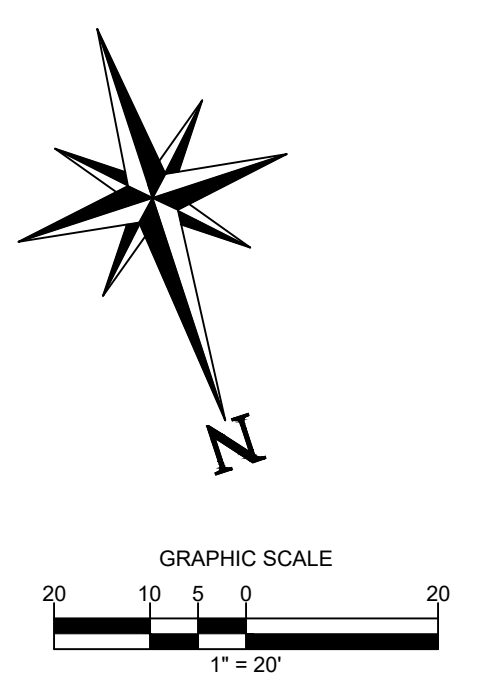
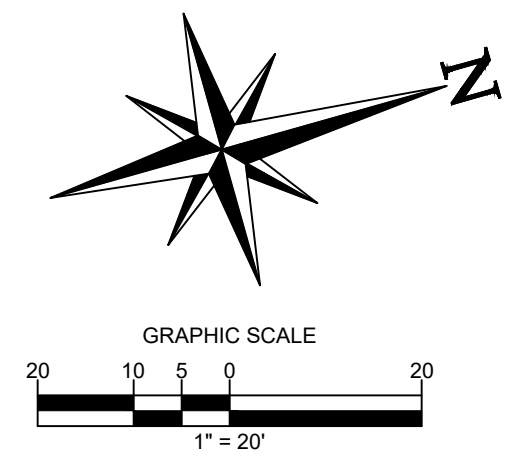
SHEET NO.  
**C4.1**



RETAINING WALL INSET  
SCALE 1" = 20'



- SITE LEGEND:**
- EXISTING PROPERTY BOUNDARY LINE
  - EXISTING ADJOINING PROPERTY LINE
  - EXISTING ROAD CENTERLINE
  - EXISTING CURB
  - EXISTING 5' INTERVAL CONTOUR LINE
  - EXISTING 1' INTERVAL CONTOUR LINE
  - PROPOSED 5' INTERVAL CONTOUR LINE
  - PROPOSED 1' INTERVAL CONTOUR LINE
  - G.XX.XX PROPOSED GROUND SPOT SHOTS
  - TW.XX.XX PROPOSED TOP OF WALL SPOT SHOTS
  - BW.XX.XX PROPOSED BOTTOM OF WALL SPOT SHOTS
  - TC.XX.XX TOP OF CURB SPOT SHOTS MATCH EXISTING
  - PROPOSED CURB



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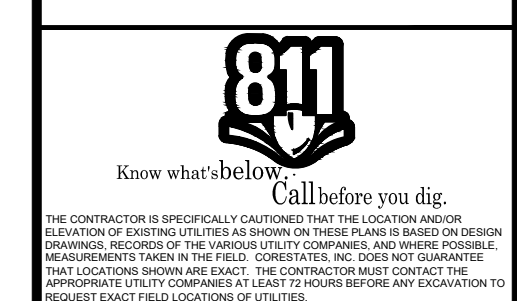
**CORE STATES GROUP**

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PILOT TRAVEL CENTERS LLC.  
5508 LONAS ROAD  
KNOXVILLE, TN 37909



REVISIONS

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DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

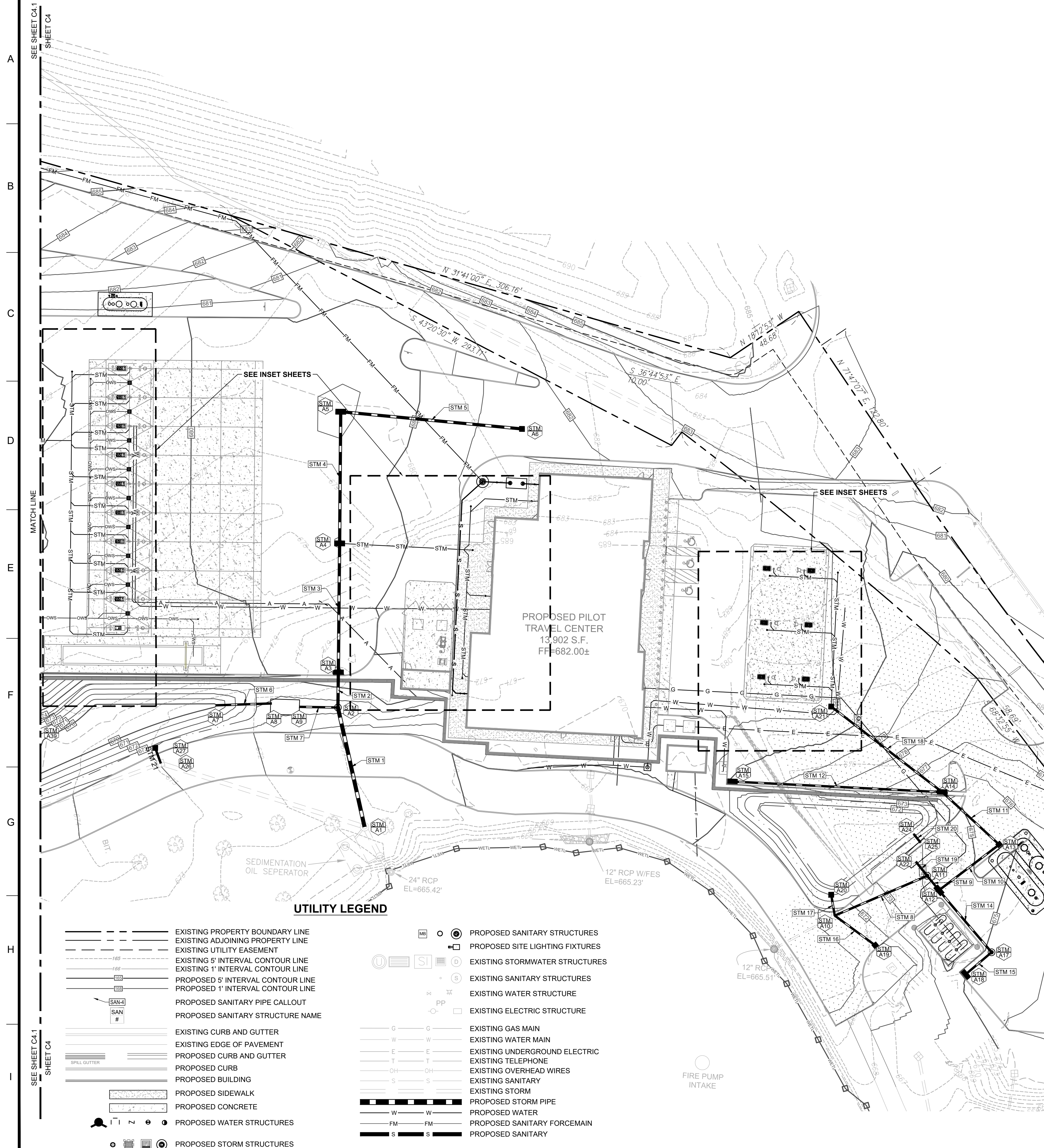
ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

SHEET TITLE  
DETAILED GRADING  
PLAN

JOB #: PIL28950  
DATE: 02/10/20  
SCALE: 1" = 20'  
DRAWN BY: MP  
CHECKED BY: KGF

SHEET NO.  
**C4.2**



| STRUCTURE NAME | STRUCTURE TYPE                    | RIM    | UPSTREAM PIPE NAME | UPSTREAM PIPE INV | DOWNSTREAM PIPE NAME | DOWNSTREAM PIPE INV | DOWNSTREAM PIPE LENGTH | DOWNSTREAM PIPE SIZE AND TYPE | DOWNSTREAM PIPE SLOPE |
|----------------|-----------------------------------|--------|--------------------|-------------------|----------------------|---------------------|------------------------|-------------------------------|-----------------------|
| A1             | EXISTING MANHOLE                  | ???    | STM 1              | 666.50'           |                      |                     |                        |                               |                       |
| A2             | PROPOSED DIVERSION MANHOLE        | 673.44 | STM 2              | 670.23'           | STM 1                | 667.22'             | 72.07'                 | 24" RC CLASS IV               | 1.00%                 |
| A3             | PROPOSED DOUBLE GRATE CATCH BASIN | 678.95 | STM 3              | 670.74'           | STM 2                | 670.74'             | 20.66'                 | 18" RCP CLASS IV              | 2.50%                 |
| A4             | PROPOSED DOUBLE GRATE CATCH BASIN | 678.96 | STM 4              | 672.85'           | STM 3                | 672.85'             | 76.08'                 | 18" RCP CLASS III             | 2.50%                 |
| A5             | PROPOSED DOUBLE GRATE CATCH BASIN | 678.76 | STM 5              | 673.81'           | STM 4                | 673.81'             | 77.63'                 | 18" RCP III                   | 1.50%                 |
| A6             | PROPOSED CATCH BASIN              | 681.58 |                    |                   | STM 5                | 676.33'             | 107.31'                | 18" RCP III                   | 2.35%                 |
| A7             | OUTFALL                           | 670.00 | STM 6              | 670.00'           |                      |                     |                        |                               |                       |
| A8             | OIL/WATER SEPARATOR OUTLET        | 673.85 |                    |                   | STM 6                | 670.25'             | 32.90'                 | 12" HDPE                      | 0.76%                 |
| A9             | OIL/WATER SEPARATOR INLET         | 673.46 | STM 7              | 670.00'           |                      |                     |                        |                               |                       |
| A10            | EXISTING CATCH BASIN              | 671.39 | STM 8              | 666.85'           | STM 16               | 666.85'             |                        |                               |                       |
| A11            | PROPOSED DIVERSION MANHOLE        | 674.08 | STM 9              | 671.55'           | STM 8                | 668.04'             | 59.35'                 | 12" HDPE                      | 2.00%                 |
| A12            | PROPOSED DOUBLE GRATE CATCH BASIN | 674.29 | STM 10             | 671.72'           | STM 9                | 671.72'             | 11.02'                 | 12" HDPE                      | 1.50%                 |
| A13            | PROPOSED CATCH BASIN              | 675.41 | STM 11             | 672.39'           | STM 10               | 672.39'             | 44.59'                 | 12" HDPE                      | 1.50%                 |
| A14            | PROPOSED DOUBLE GRATE CATCH BASIN | 675.84 | STM 12             | 673.07'           | STM 11               | 673.07'             | 45.63'                 | 12" HDPE                      | 1.50%                 |
| A15            | PROPOSED DOUBLE GRATE CATCH BASIN | 679.92 |                    |                   | STM 12               | 675.55'             | 123.97'                | 12" HDPE                      | 2.00%                 |
| A17            | 48" DIA MANHOLE                   | 675.10 | STM 15             | 672.44'           | STM 14               | 672.44'             | 47.92'                 | 12" HDPE                      | 1.50%                 |
| A18            | PROPOSED DOUBLE GRATE CATCH BASIN | 675.34 | STM 14             | 671.72'           | STM 15               | 672.74'             | 20.20'                 | 12" HDPE                      | 1.50%                 |
| A19            | PROPOSED CATCH BASIN              | 671.43 |                    |                   | STM 16               | 667.59'             | 29.70'                 | 12" HDPE                      | 2.50%                 |
| A20            | PROPOSED BASIN OVERFLOW           | 672.90 |                    |                   | STM 17               | 668.10'             | 12.47'                 | 12" HDPE                      | 2.00%                 |
| A21            | PROPOSED CATCH BASIN              | 681.13 |                    |                   | STM 18               | 677.08'             | 82.66'                 | 12" HDPE                      | 4.85%                 |
| A22            | OIL/WATER SEPARATOR INLET         | 673.88 | STM 19             | 671.50'           |                      |                     |                        |                               |                       |
| A24            | OUTFALL                           | 672.62 | STM 20             | 671.50'           |                      |                     |                        |                               |                       |
| A25            | OIL/WATER SEPARATOR OUTLET        | 674.22 |                    |                   | STM 20               | 671.75'             | 6.49'                  | 12" HDPE                      | 3.85%                 |
| A26            | EXISTING CATCH BASIN              | 672.98 | STM 21             | 667.66'           |                      |                     |                        |                               |                       |
| A27            | PROPOSED BASIN OVERFLOW           | 673.12 |                    |                   | STM 21               | 667.86'             | 9.67'                  | 12" HDPE                      | 2.00%                 |
| A28            | EXISTING CATCH BASIN              | ???    | STM 22             | 669.65'           |                      |                     |                        |                               |                       |
| A29            | DIVERSION MANHOLE                 | 675.54 | STM 23             | 673.10'           | STM 22               | 671.30'             | 66.05'                 | 18" HDPE                      | 2.50%                 |
| A30            | PROPOSED DOUBLE GRATE CATCH BASIN | 678.88 | STM 24             | 674.12'           | STM 23               | 673.62'             | 35.13'                 | 18" HDPE                      | 1.50%                 |
| A31            | PROPOSED DOUBLE GRATE CATCH BASIN | 679.45 | STM 25             | 675.28'           | STM 24               | 675.28'             | 77.43'                 | 12" RCP CLASS III             | 1.50%                 |
| A32            | PROPOSED 48" DIA MANHOLE          | 679.63 | STM 26             | 676.05'           | STM 25               | 676.05'             | 59.22'                 | 12" RCP CLASS III             | 1.29%                 |
| A33            | PROPOSED DOUBLE GRATE CATCH BASIN | 679.45 |                    |                   | STM 26               | 676.33'             | 18.40'                 | 12" RCP CLASS III             | 1.50%                 |
| A34            | OUTFALL                           | 677.53 | STM 27             | 677.00'           |                      |                     |                        |                               |                       |
| A35            | PROPOSED DOUBLE GRATE CATCH BASIN | 679.96 |                    |                   | STM 27               | 677.43'             | 21.56'                 | 12" HDPE                      | 2.00%                 |
| A36            | EXISTING INLET                    | ???    | STM 28             | 674.25'           |                      |                     |                        |                               |                       |
| A37            | PROPOSED BASIN OVERFLOW           | 677.43 |                    |                   | STM 28               | 675.46'             | 60.35'                 | 12" HDPE                      | 2.00%                 |
| A38            | PROPOSED DOGHOUSE MANHOLE         | 680.32 |                    |                   | STM 32               | 673.75'             | 45.42'                 | 12" HDPE                      | 2.75%                 |
| A39            | OUTFALL                           | 672.84 | STM 30             | 673.00'           |                      |                     |                        |                               |                       |
| A40            | OIL/WATER SEPARATOR OUTLET        | 673.94 |                    |                   | STM 30               | 673.25'             | 12.02'                 | 12" HDPE                      | 2.08%                 |
| A41            | OIL/WATER SEPARATOR INLET         | 674.93 | STM 31             | 673.00'           |                      |                     |                        |                               |                       |
| A42            | EXISTING INLET                    | 679.95 | STM 32             | 672.50'           |                      |                     |                        |                               |                       |

**CORE STATES GROUP**  
 9 GALEN STREET, SUITE 117  
 WATER TOWN, MA 02472  
 PHONE (617) 576-0007  
 ARCS00E@CORE-STATES.COM

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CLIENT  
**Pilot TRAVEL CENTERS**

PILOT TRAVEL CENTERS LLC.  
 5508 LONAS ROAD  
 KNOXVILLE, TN 37909

**811**  
 Know what's below. Call before you dig.  
 The contractor is specifically cautioned that the location and/or depth of existing utilities shown on these drawings is based on records. Records of the records (RTR) numbers are shown for reference. The contractor shall verify the location and depth of all utilities before any excavation or construction. The contractor shall be responsible for any damage to or destruction of any utilities.

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DOCUMENT SITE PLAN APPROVAL

SITE LOCATION  
 400 HAYNES STREET  
 STURBRIDGE, MA 01566

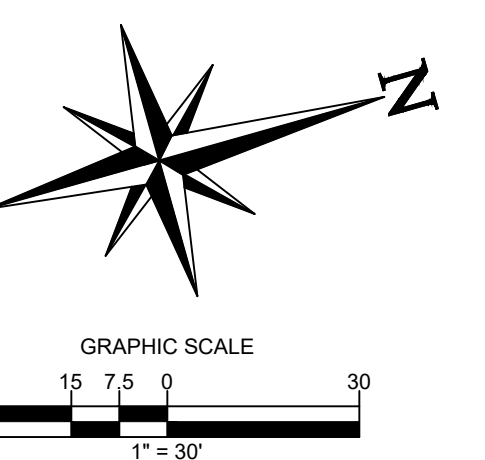
ENGINEER SEAL  

 ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

SHEET TITLE  
**STORM DRAINAGE PLAN**

JOB #: PIL 28950  
 DATE: 02/10/20  
 SCALE: 1" = 30'  
 DRAWN BY: MP  
 CHECKED BY: KGF

SHEET NO.  
**C4.3**



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SHEET C4.1  
SEE SHEET C4

| STORM STRUCTURE TABLE |                                   |        |                           |                               |                      |                     |                        |                               |                       |
|-----------------------|-----------------------------------|--------|---------------------------|-------------------------------|----------------------|---------------------|------------------------|-------------------------------|-----------------------|
| STRUCTURE NAME        | STRUCTURE TYPE                    | RIM    | UPSTREAM PIPE NAME        | UPSTREAM PIPE INV             | DOWNSTREAM PIPE NAME | DOWNSTREAM PIPE INV | DOWNSTREAM PIPE LENGTH | DOWNSTREAM PIPE SIZE AND TYPE | DOWNSTREAM PIPE SLOPE |
| A1                    | EXISTING MANHOLE                  | ???    | STM 1                     | 666.50'                       |                      |                     |                        |                               |                       |
| A2                    | PROPOSED DIVERSION MANHOLE        | 673.44 | STM 2                     | 670.23'                       | STM 1                | 667.22'             | 72.07'                 | 24" RC CLASS IV 12" HDPE      | 1.00%                 |
| A3                    | PROPOSED DOUBLE GRATE CATCH BASIN | 678.95 | STM 3                     | 670.74'                       | STM 2                | 670.74'             | 20.66'                 | 18" RCP CLASS IV              | 2.50%                 |
| A4                    | PROPOSED DOUBLE GRATE CATCH BASIN | 678.96 | STM 4                     | 672.65'                       | STM 3                | 672.65'             | 76.06'                 | 18" RCP CLASS III             | 2.50%                 |
| A5                    | PROPOSED DOUBLE GRATE CATCH BASIN | 678.76 | STM 5                     | 673.81'                       | STM 4                | 673.81'             | 77.63'                 | 18" RCP III                   | 1.50%                 |
| A6                    | PROPOSED CATCH BASIN              | 681.58 |                           |                               | STM 5                | 676.33'             | 107.31'                | 18" RCP III                   | 2.35%                 |
| A7                    | OUTFALL                           | 670.00 | STM 6                     | 670.00'                       |                      |                     |                        |                               |                       |
| A8                    | OIL/WATER SEPARATOR OUTLET        | 673.85 |                           |                               | STM 6                | 670.25'             | 32.90'                 | 12" HDPE                      | 0.76%                 |
| A9                    | OIL/WATER SEPARATOR INLET         | 673.46 | STM 7                     | 670.00'                       |                      |                     |                        |                               |                       |
| A10                   | EXISTING CATCH BASIN              | 671.39 | STM 8<br>STM 16<br>STM 17 | 666.85'<br>666.85'<br>667.85' |                      |                     |                        |                               |                       |
| A11                   | PROPOSED DIVERSION MANHOLE        | 674.08 | STM 9                     | 671.55'                       | STM 8<br>STM 19      | 668.04'<br>671.55'  | 59.35'<br>10.60'       | 12" HDPE<br>12" HDPE          | 2.00%<br>0.50%        |
| A12                   | PROPOSED DOUBLE GRATE CATCH BASIN | 674.29 | STM 10<br>STM 14          | 671.72'<br>671.72'            | STM 9                | 671.72'             | 11.02'                 | 12" HDPE                      | 1.50%                 |
| A13                   | PROPOSED CATCH BASIN              | 675.41 | STM 11                    | 672.39'                       | STM 10               | 672.39'             | 44.59'                 | 12" HDPE                      | 1.50%                 |
| A14                   | PROPOSED DOUBLE GRATE CATCH BASIN | 675.84 | STM 12<br>STM 18          | 673.07'<br>673.07'            | STM 11               | 673.07'             | 45.63'                 | 12" HDPE                      | 1.50%                 |
| A15                   | PROPOSED DOUBLE GRATE CATCH BASIN | 679.92 |                           |                               | STM 12               | 675.55'             | 123.97'                | 12" HDPE                      | 2.00%                 |
| A17                   | 48" DIA MANHOLE                   | 675.10 | STM 15                    | 672.44'                       | STM 14               | 672.44'             | 47.92'                 | 12" HDPE                      | 1.50%                 |
| A18                   | PROPOSED DOUBLE GRATE CATCH BASIN | 675.34 |                           |                               | STM 15               | 672.74'             | 20.20'                 | 12" HDPE                      | 1.50%                 |
| A19                   | PROPOSED CATCH BASIN              | 671.43 |                           |                               | STM 16               | 667.59'             | 28.70'                 | 12" HDPE                      | 2.50%                 |
| A20                   | PROPOSED BASIN OVERFLOW           | 672.90 |                           |                               | STM 17               | 668.10'             | 12.47'                 | 12" HDPE                      | 2.00%                 |
| A21                   | PROPOSED CATCH BASIN              | 681.13 |                           |                               | STM 18               | 677.08'             | 82.66'                 | 12" HDPE                      | 4.85%                 |
| A22                   | OIL/WATER SEPARATOR INLET         | 673.88 | STM 19                    | 671.50'                       |                      |                     |                        |                               |                       |
| A24                   | OUTFALL                           | 672.62 | STM 20                    | 671.50'                       |                      |                     |                        |                               |                       |
| A25                   | OIL/WATER SEPARATOR OUTLET        | 674.22 |                           |                               | STM 20               | 671.75'             | 6.49'                  | 12" HDPE                      | 3.85%                 |
| A26                   | EXISTING CATCH BASIN              | 672.98 | STM 21                    | 667.66'                       |                      |                     |                        |                               |                       |
| A27                   | PROPOSED BASIN OVERFLOW           | 673.12 |                           |                               | STM 21               | 667.86'             | 9.67'                  | 12" HDPE                      | 2.00%                 |
| A28                   | EXISTING CATCH BASIN              | ???    | STM 22                    | 669.65'                       |                      |                     |                        |                               |                       |
| A29                   | DIVERSION MANHOLE                 | 675.54 | STM 23                    | 673.10'                       | STM 22               | 671.30'<br>673.10'  | 66.05'<br>9.54'        | 18" HDPE<br>12" HDPE          | 2.50%<br>1.00%        |
| A30                   | PROPOSED DOUBLE GRATE CATCH BASIN | 678.88 | STM 24                    | 674.12'                       | STM 23               | 673.62'             | 35.13'                 | 18" HDPE                      | 1.50%                 |
| A31                   | PROPOSED DOUBLE GRATE CATCH BASIN | 679.45 | STM 25                    | 675.28'                       | STM 24               | 675.28'             | 77.43'                 | 12" RCP CLASS III             | 1.50%                 |
| A32                   | PROPOSED 48" DIA MANHOLE          | 679.63 | STM 26                    | 676.05'                       | STM 25               | 676.05'             | 59.22'                 | 12" RCP CLASS III             | 1.25%                 |
| A33                   | PROPOSED DOUBLE GRATE CATCH BASIN | 679.45 |                           |                               | STM 26               | 676.33'             | 18.40'                 | 12" RCP CLASS III             | 1.50%                 |
| A34                   | OUTFALL                           | 677.53 | STM 27                    | 677.00'                       |                      |                     |                        |                               |                       |
| A35                   | PROPOSED DOUBLE GRATE CATCH BASIN | 679.96 |                           |                               | STM 27               | 677.43'             | 21.56'                 | 12" HDPE                      | 2.00%                 |
| A36                   | EXISTING INLET                    | ???    | STM 28                    | 674.25'                       |                      |                     |                        |                               |                       |
| A37                   | PROPOSED BASIN OVERFLOW           | 677.43 |                           |                               | STM 28               | 675.46'             | 60.35'                 | 12" HDPE                      | 2.00%                 |
| A38                   | PROPOSED DOGHOUSE MANHOLE         | 680.32 |                           |                               | STM 32               | 673.75'             | 45.42'                 | 12" HDPE                      | 2.75%                 |
| A39                   | OUTFALL                           | 672.84 | STM 30                    | 673.00'                       |                      |                     |                        |                               |                       |
| A40                   | OIL/WATER SEPARATOR OUTLET        | 673.94 |                           |                               | STM 30               | 673.25'             | 12.02'                 | 12" HDPE                      | 2.08%                 |
| A41                   | OIL/WATER SEPARATOR INLET         | 674.93 | STM 31                    | 673.00'                       |                      |                     |                        |                               |                       |
| A42                   | EXISTING INLET                    | 679.95 | STM 32                    | 672.50'                       |                      |                     |                        |                               |                       |

**CORE STATES GROUP**  
 9 GALEN STREET, SUITE 117  
 WATER TOWN, MA 02472  
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 AKOSCOE@CORE-STATES.COM

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CLIENT  
  
**Pilot TRAVEL CENTERS**  
 PILOT TRAVEL CENTERS LLC.  
 5508 LONAS ROAD  
 KNOXVILLE, TN 37909

Know what's below. Call before you dig.  
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON RECORD DRAWINGS. RECORDS OF THE RECORD UTILITIES ARE SHOWN FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES CAUSED BY CONSTRUCTION.

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DOCUMENT  
**SITE PLAN APPROVAL**

SITE LOCATION  
 400 HAYNES STREET  
 STURBRIDGE, MA 01566

ENGINEER SEAL  
  
 ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

SHEET TITLE  
**STORM DRAINAGE PLAN**  
 JOB #: PIL28950  
 DATE: 02/10/20  
 SCALE: 1" = 30'  
 DRAWN BY: MP  
 CHECKED BY: KGF  
**C4.3.1**

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**SITE LEGEND**

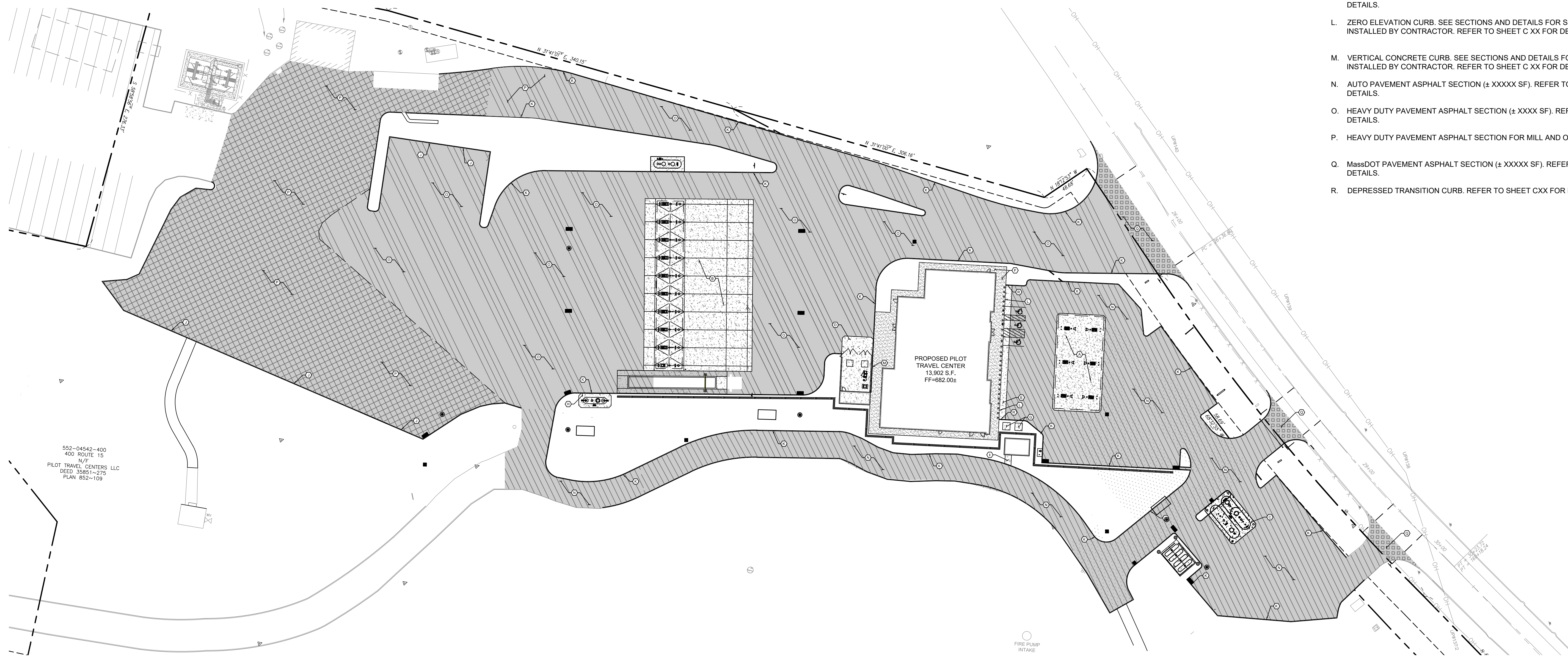
- EXISTING PROPERTY BOUNDARY LINE
- - - EXISTING ADJOINING PROPERTY LINE
- - - EXISTING UTILITY EASEMENT
- ==== EXISTING CURB AND GUTTER
- ==== EXISTING EDGE OF PAVEMENT
- ==== PROPOSED CURB
- ==== PROPOSED DEPRESSED CURB
- ==== PROPOSED BUILDING
- - - PROPOSED SAWCUT LINE
- PROPOSED WATER STRUCTURES
- PROPOSED STORM STRUCTURES
- PROPOSED SANITARY STRUCTURES
- PROPOSED SITE LIGHTING FIXTURES
- ▭ EXISTING STORMWATER STRUCTURES
- EXISTING SANITARY STRUCTURES
- ⊗ EXISTING WATER STRUCTURE
- ⊗ PROPOSED PARKING COUNT

**HATCH LEGEND**

- [Grid Pattern] PROPOSED MassDOT PAVEMENT
- [Diagonal Lines] PROPOSED AUTO PAVEMENT
- [Diagonal Lines] PROPOSED HEAVY DUTY TRUCK PAVEMENT
- [Cross-hatch Pattern] PROPOSED HEAVY DUTY TRUCK PAVEMENT FOR MILL AND OVERLAY

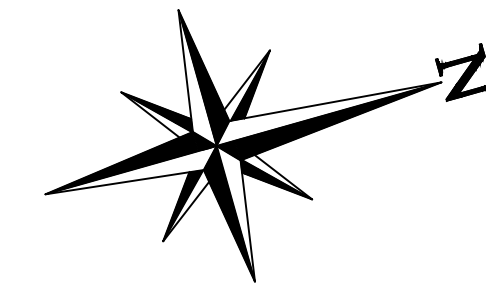
**KEYED NOTES:**

- A. 6" REINFORCED CONCRETE PAD FOR AUTO CANOPY. WATER FROM SITE SHOULD NOT DRAIN ACROSS THE CONCRETE PAD FOR THE AUTO CANOPY. ASPHALT PAVING ON ALL (4) SIDES OF THE CONCRETE PAD SHOULD DRAIN AWAY FROM CONCRETE PAD. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR.
- B. 8" REINFORCED CONCRETE PAD FOR TRUCK CANOPY. WATER FROM SITE SHOULD NOT DRAIN ACROSS THE CONCRETE PAD FOR THE TRUCK CANOPY. ASPHALT PAVING ON BOTH SIDES OF THE CONCRETE PAD SHOULD DRAIN AWAY FROM CONCRETE PAD. CONCRETE PAD FOR THE TRUCK CANOPY MUST DRAIN TO CATCH BASIN. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR.
- C. 8" REINFORCED CONCRETE PAD AT TANK FARM. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR.
- D. 8" REINFORCED CONCRETE PAD TRASH ENCLOSURE. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR.
- E. 6" REINFORCED CONCRETE PARKING APRON AT PARKING SPACES IN FRONT OF BUILDING. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR.
- F. 4" REINFORCED CONCRETE SIDEWALK. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR.
- G. 6" REINFORCED CONCRETE PAD FOR ELECTRICAL TRANSFORMER. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR SIZE AND REINFORCING REQUIREMENTS. INSTALLED BY CONTRACTOR.
- H. 8" REINFORCED CONCRETE PAD OWS TANK. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR.
- I. 6" REINFORCED CONCRETE PAD FOR WATER TREATMENT SHED. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR.
- J. HEAVY DUTY CURB AND GUTTER. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR. REFER TO SHEET C XX FOR DETAILS.
- K. STANDARD DUTY CURB AND GUTTER. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR. REFER TO SHEET C XX FOR DETAILS.
- L. ZERO ELEVATION CURB. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR. REFER TO SHEET C XX FOR DETAILS.
- M. VERTICAL CONCRETE CURB. SEE SECTIONS AND DETAILS FOR SPECIFICATIONS. INSTALLED BY CONTRACTOR. REFER TO SHEET C XX FOR DETAILS.
- N. AUTO PAVEMENT ASPHALT SECTION (± XXXX SF). REFER TO SHEET CXX FOR DETAILS.
- O. HEAVY DUTY PAVEMENT ASPHALT SECTION (± XXXX SF). REFER TO SHEET CXX FOR DETAILS.
- P. HEAVY DUTY PAVEMENT ASPHALT SECTION FOR MILL AND OVERLAY (± XXXX SF).
- Q. MassDOT PAVEMENT ASPHALT SECTION (± XXXX SF). REFER TO SHEET CXX FOR DETAILS.
- R. DEPRESSED TRANSITION CURB. REFER TO SHEET CXX FOR DETAILS.



552-04543-400  
400 ROUTE 15  
N/F  
PILOT TRAVEL CENTERS LLC  
DEED 35851-275  
PLAN 852-109

PROPOSED PILOT TRAVEL CENTER  
13,902 S.F.  
FF=682.00±



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9 GALEN STREET, SUITE 117  
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PHONE (617) 576-0007  
ARCSCOE@CORE-STATES.COM

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CLIENT  
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KNOXVILLE, TN 37909

**811**  
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**REVISIONS**

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DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

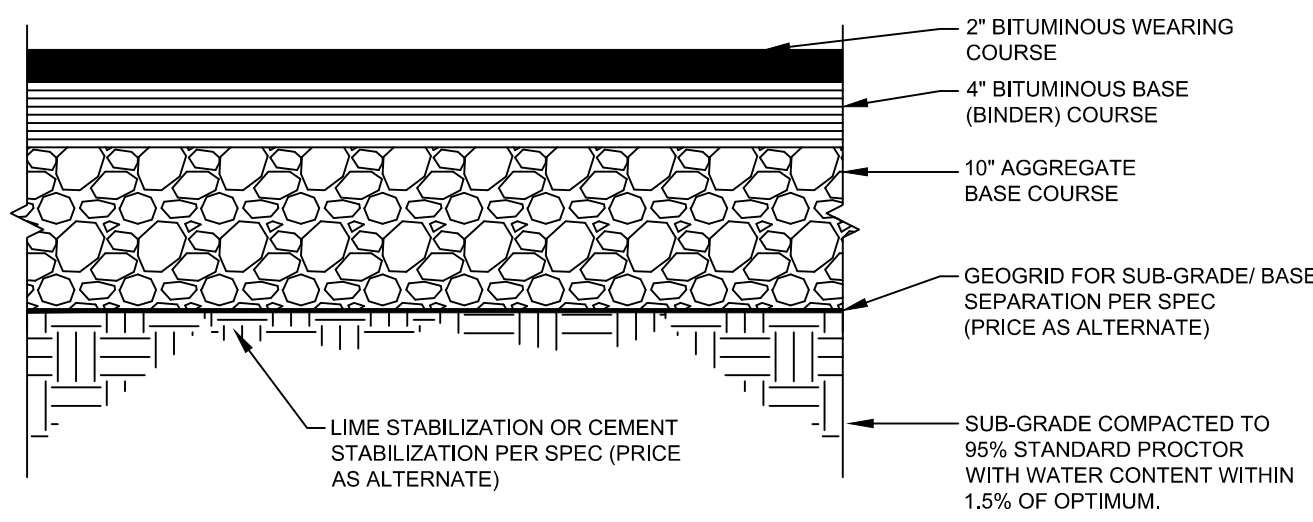
ENGINEER SEAL  
  
ALAN D. ROSCOE, P.E.  
LICENSE # 40163

SHEET TITLE  
SITE PAVING  
PLAN

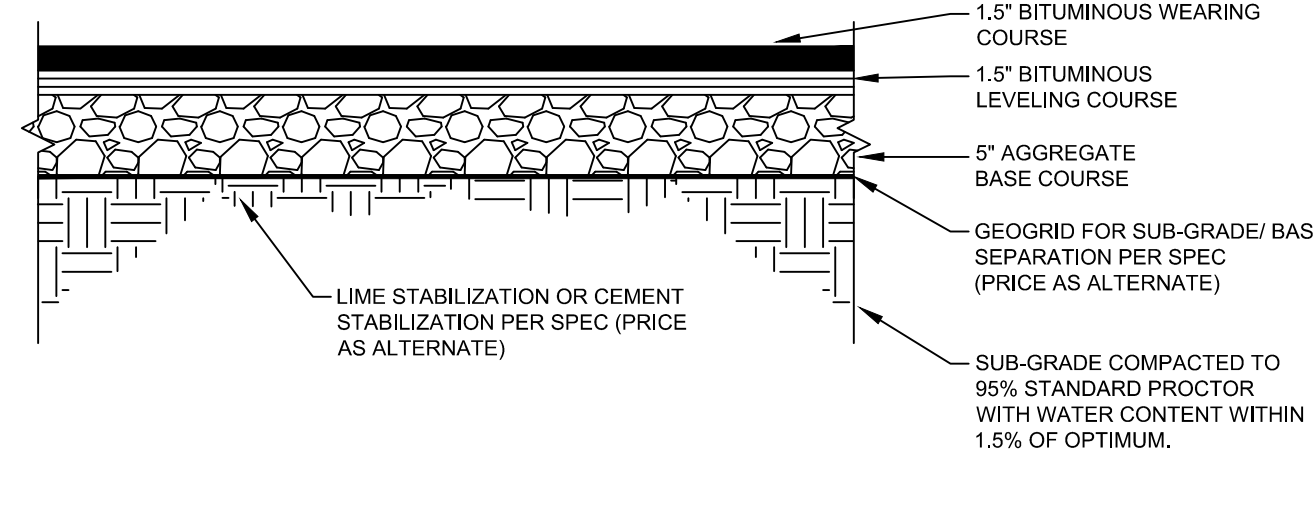
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| JOB #:      | PIL-28950 |
| DATE:       | 02/10/20  |
| SCALE:      | 1" = 30'  |
| DRAWN BY:   | MP        |
| CHECKED BY: | KGF       |

SHEET NO.  
**C5.0**

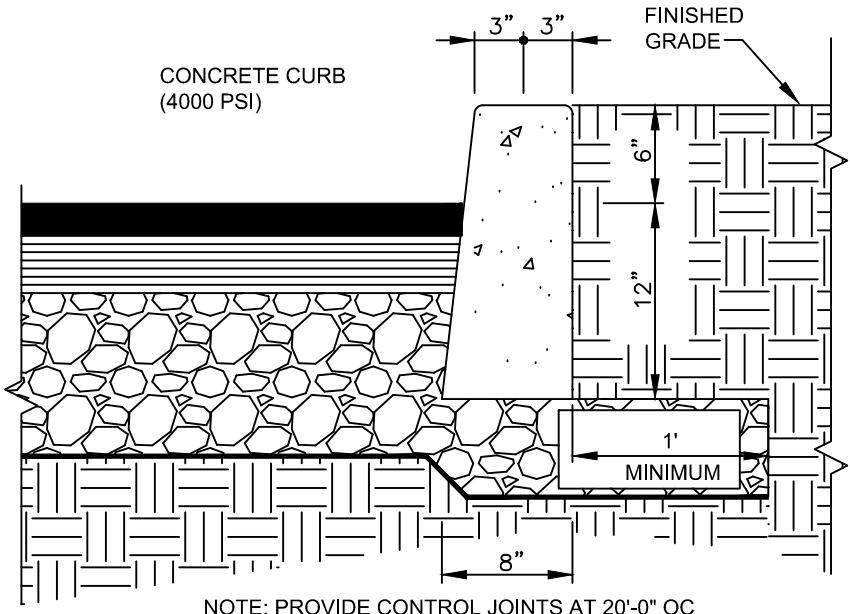
CONTRACTOR NOTE FOR DETAILS 01 C5.1 AND 02 C5.1: CONTRACTOR SHALL PROVIDE A PRICE FOR EACH GEOGRID AND STABILIZATION ALTERNATE AS OUTLINED IN THE SPECIFICATIONS MANUAL, BUT CONTRACTOR SHALL NOT INCLUDE ANY OF THE ALTERNATES IN THE BASE BID. OWNER'S REPRESENTATIVE SHALL CHOOSE AN ALTERNATE.



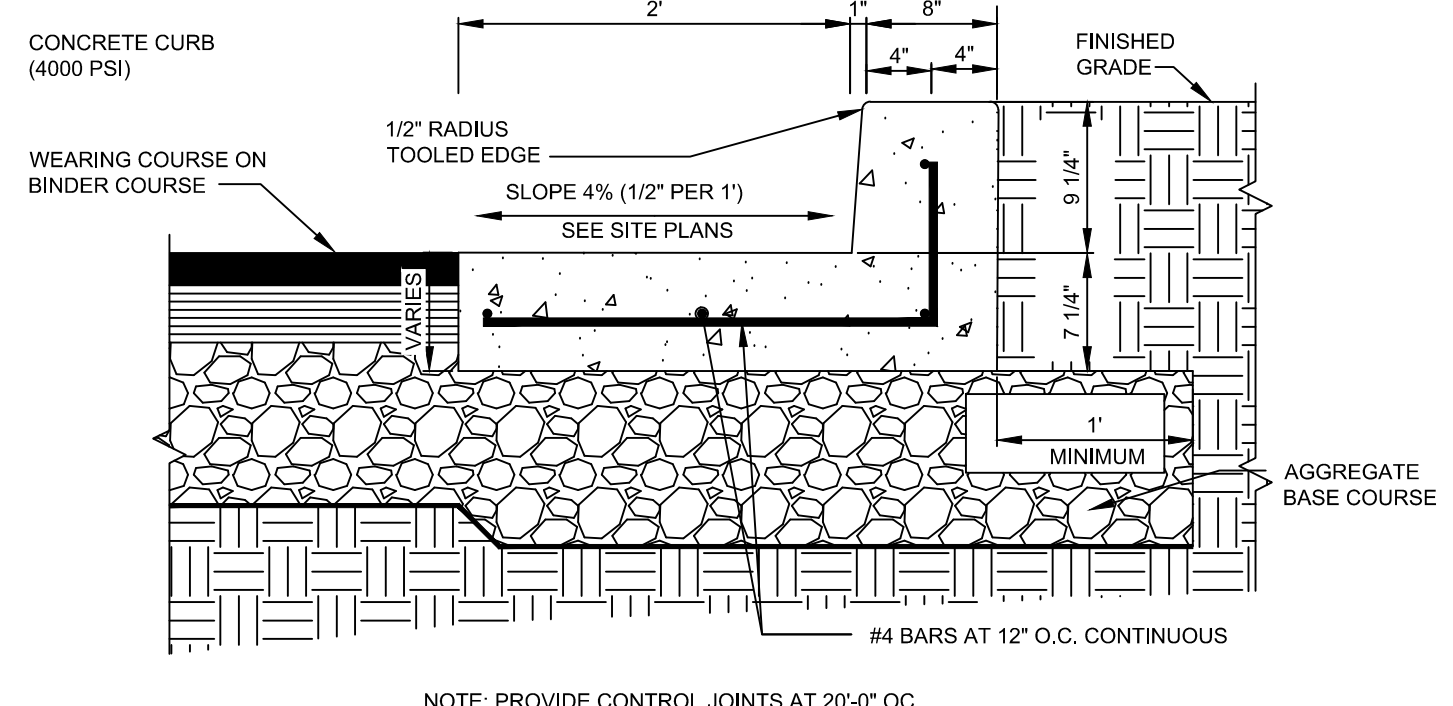
**HEAVY DUTY TRUCK PAVEMENT SECTION**  
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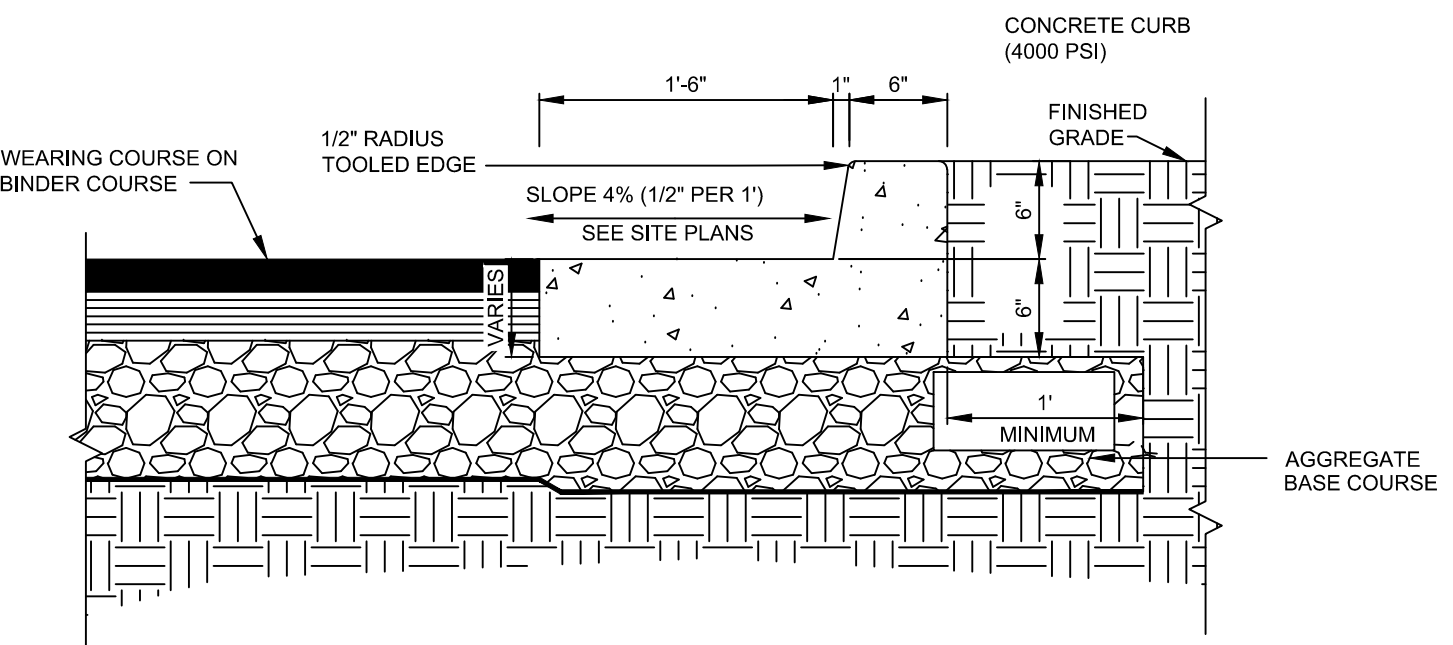
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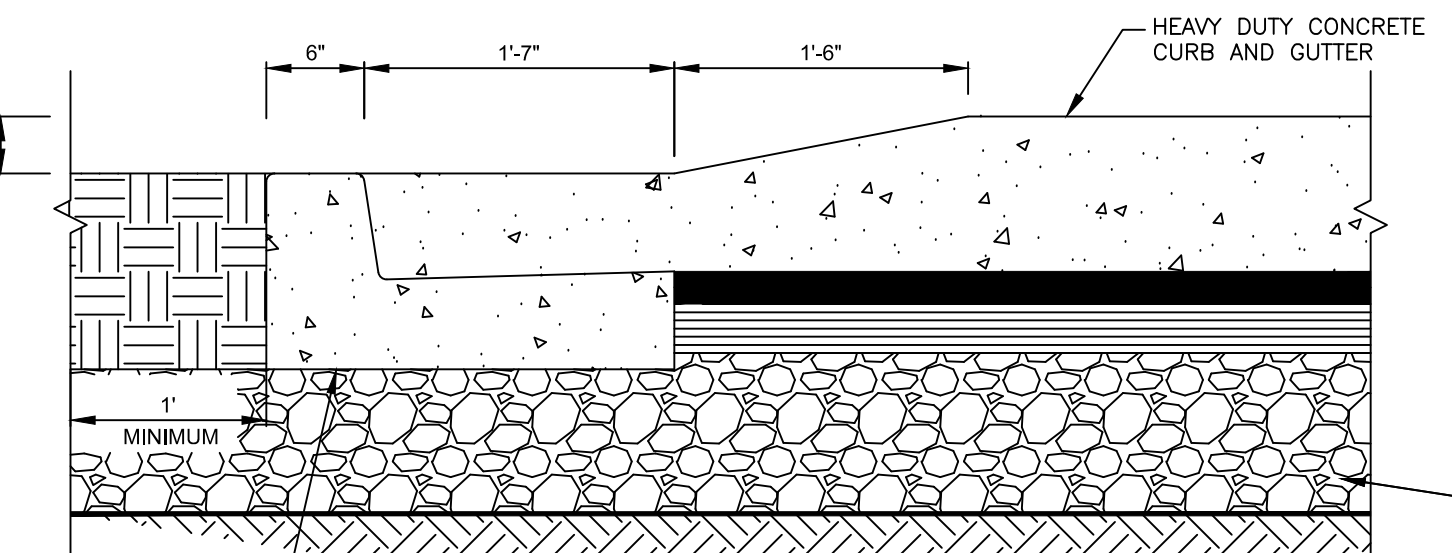
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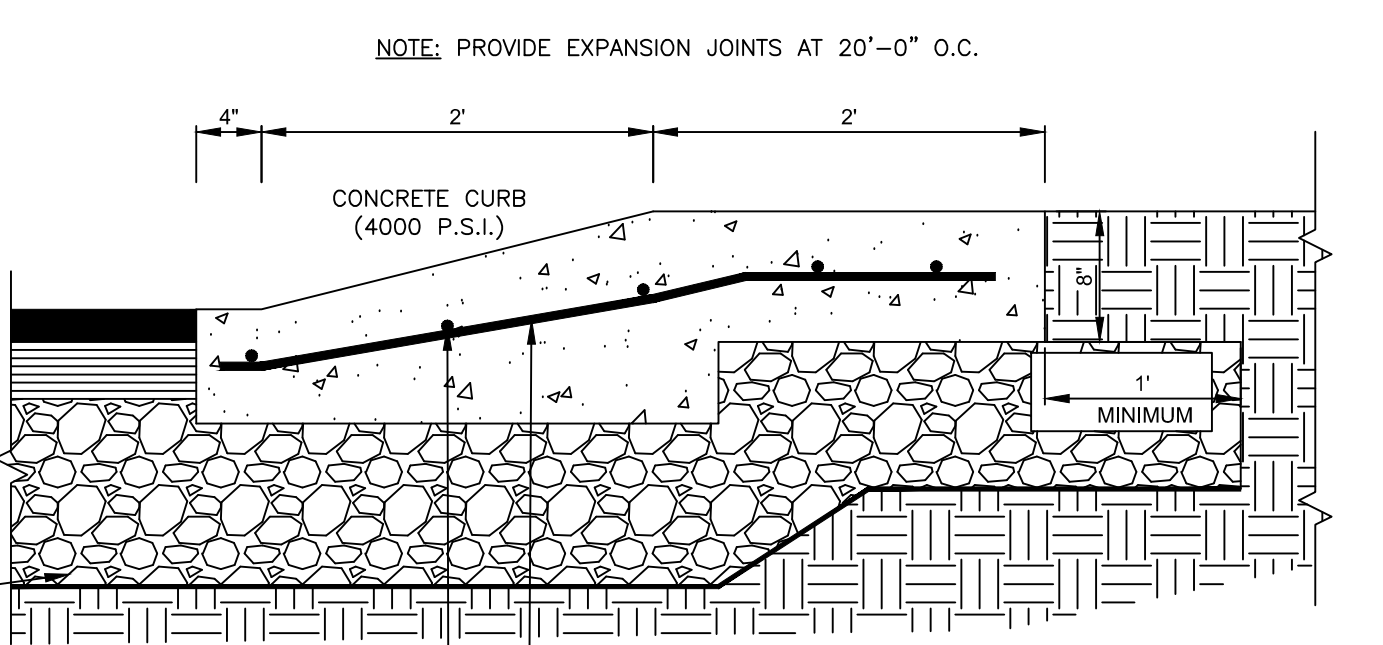
**HEAVY DUTY CONCRETE CURB AND GUTTER**  
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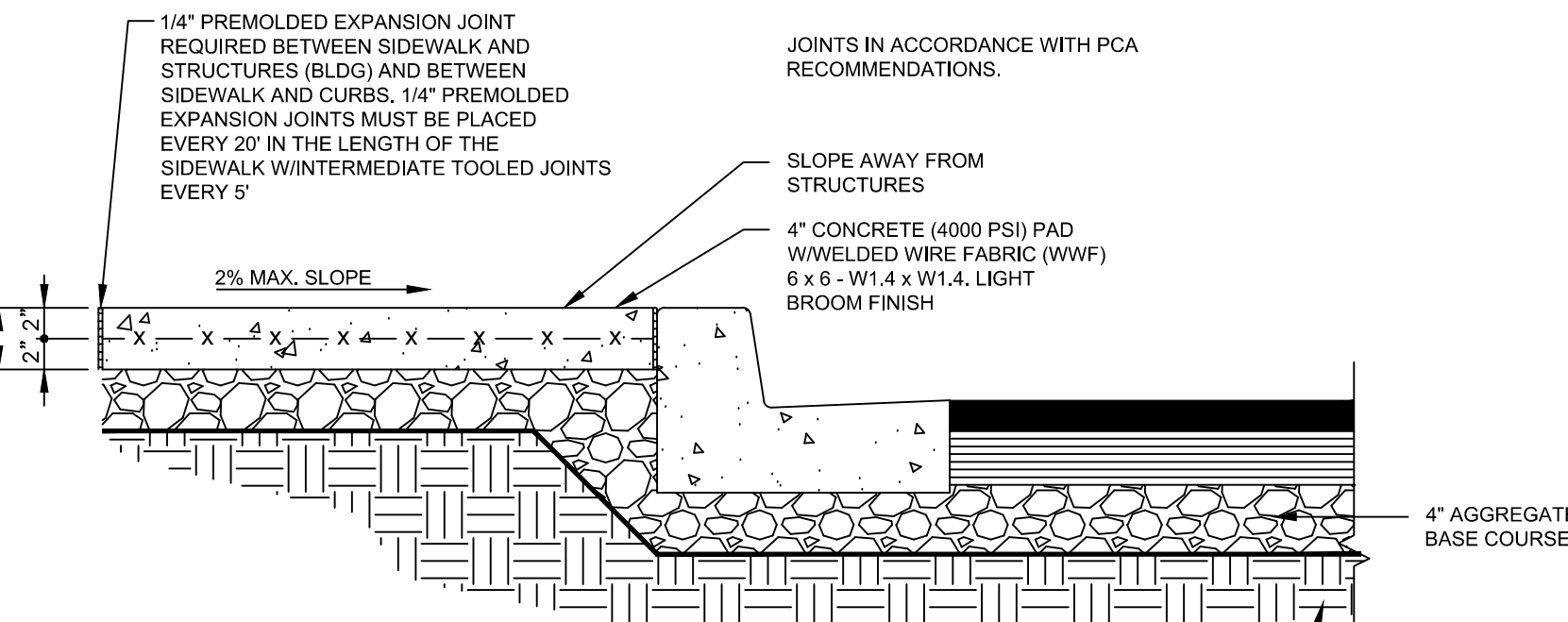
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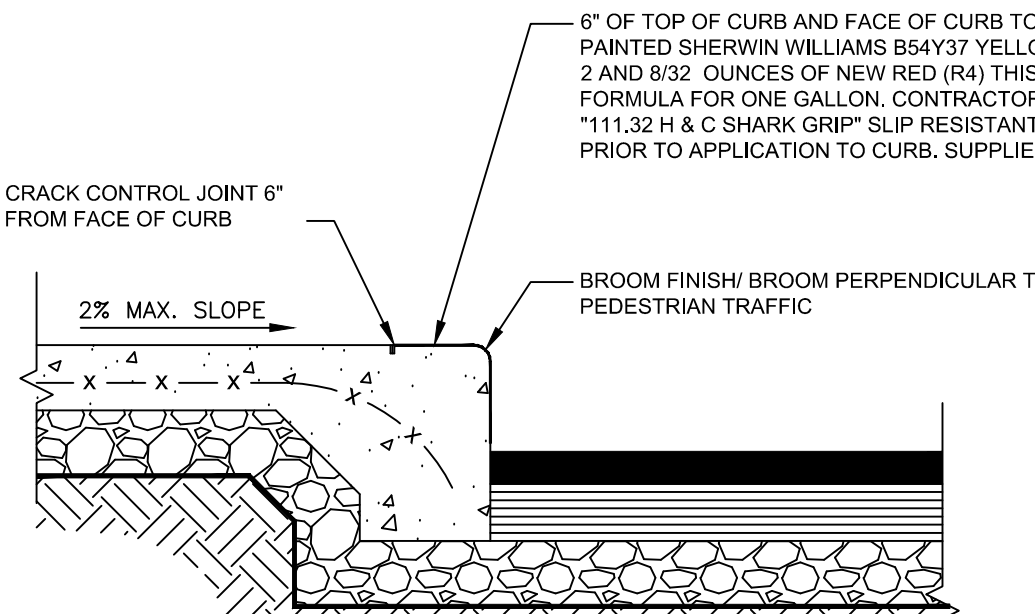
**CURB TRANSITION DETAIL**  
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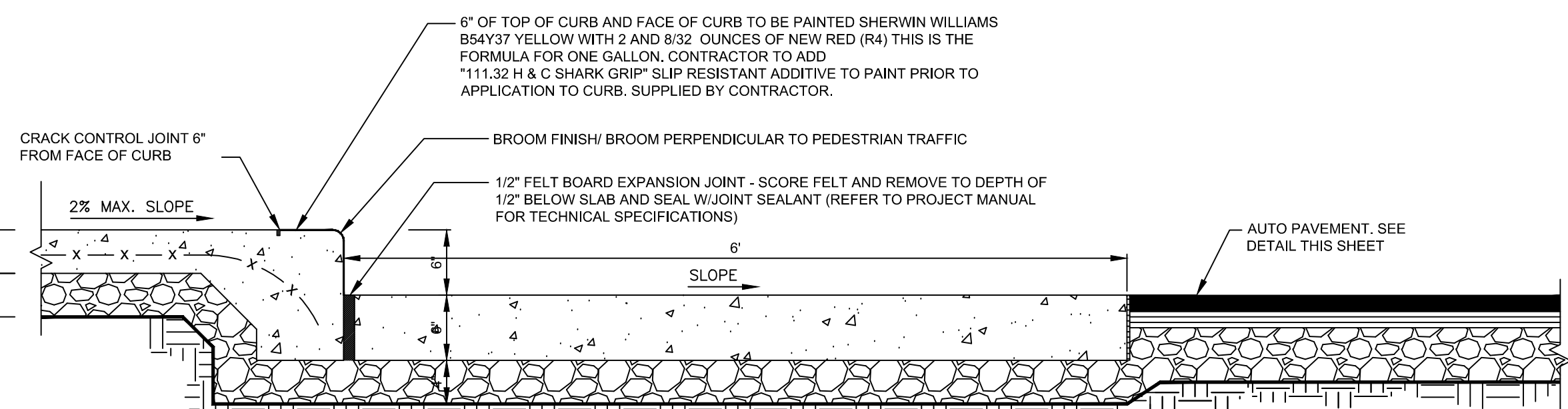
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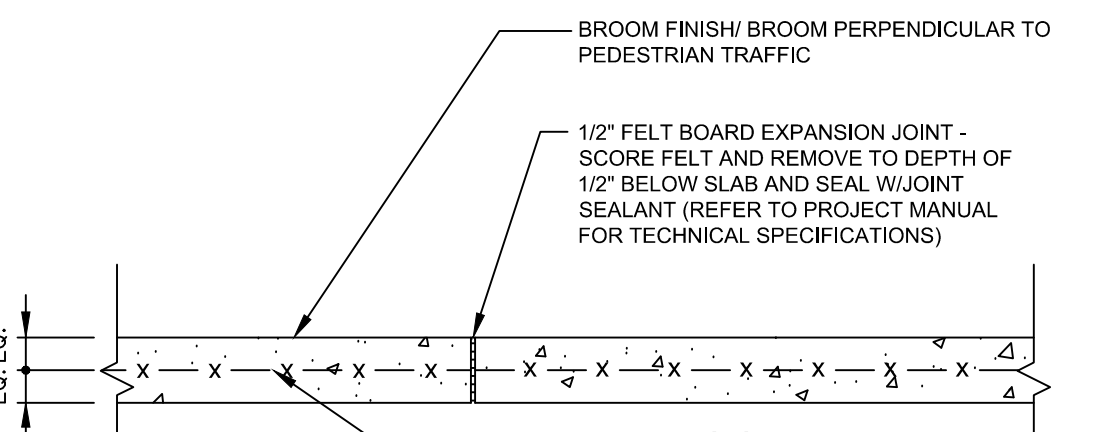
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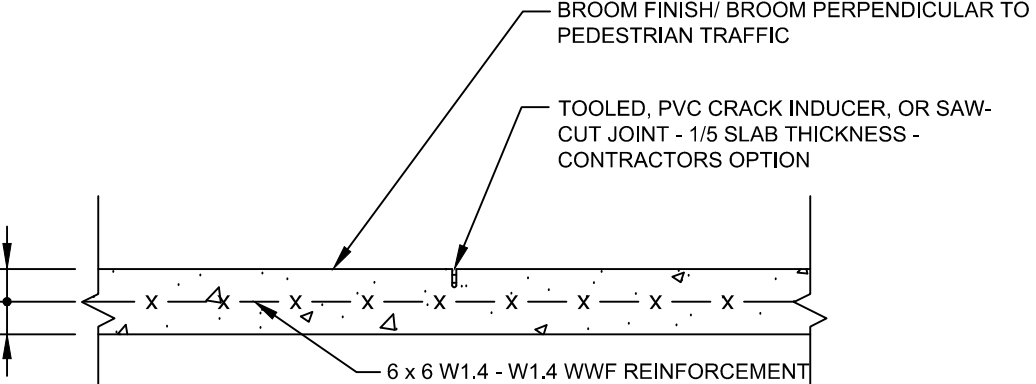
**SIDEWALK TURNDOWN DETAIL**  
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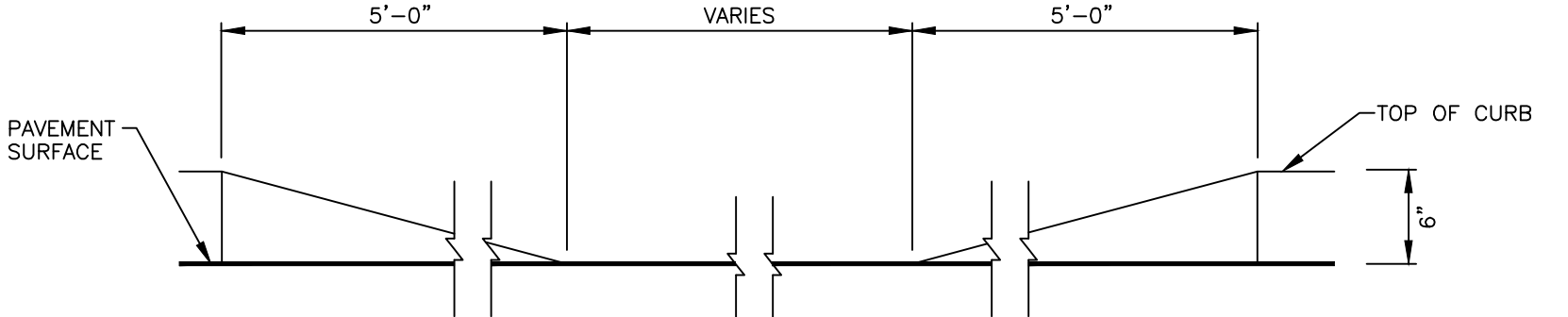
**SIDEWALK TURNDOWN DETAIL AT FRONT OF BUILDING**  
NTS



**EXPANSION JOINT DETAIL**  
NTS



**CRACK CONTROL JOINT DETAIL**  
NTS



**DEPRESSED CURB DETAIL**  
NTS

**CORE STATES GROUP**  
9 GALEN STREET, SUITE 117  
WATER TOWN, MA 02472  
PHONE (617) 576-0007  
ARC000E@CORE-STATES.COM

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**Pilot TRAVEL CENTERS**

**PILOT TRAVEL CENTERS LLC.**  
5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**  
Know what's below. Call before you dig.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE BASED ON RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES CAUSED BY CONSTRUCTION.

| REVISIONS |      |         |    |
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**DOCUMENT SITE PLAN APPROVAL**

**SITE LOCATION**  
400 HAYNES STREET  
STURBRIDGE, MA 01566

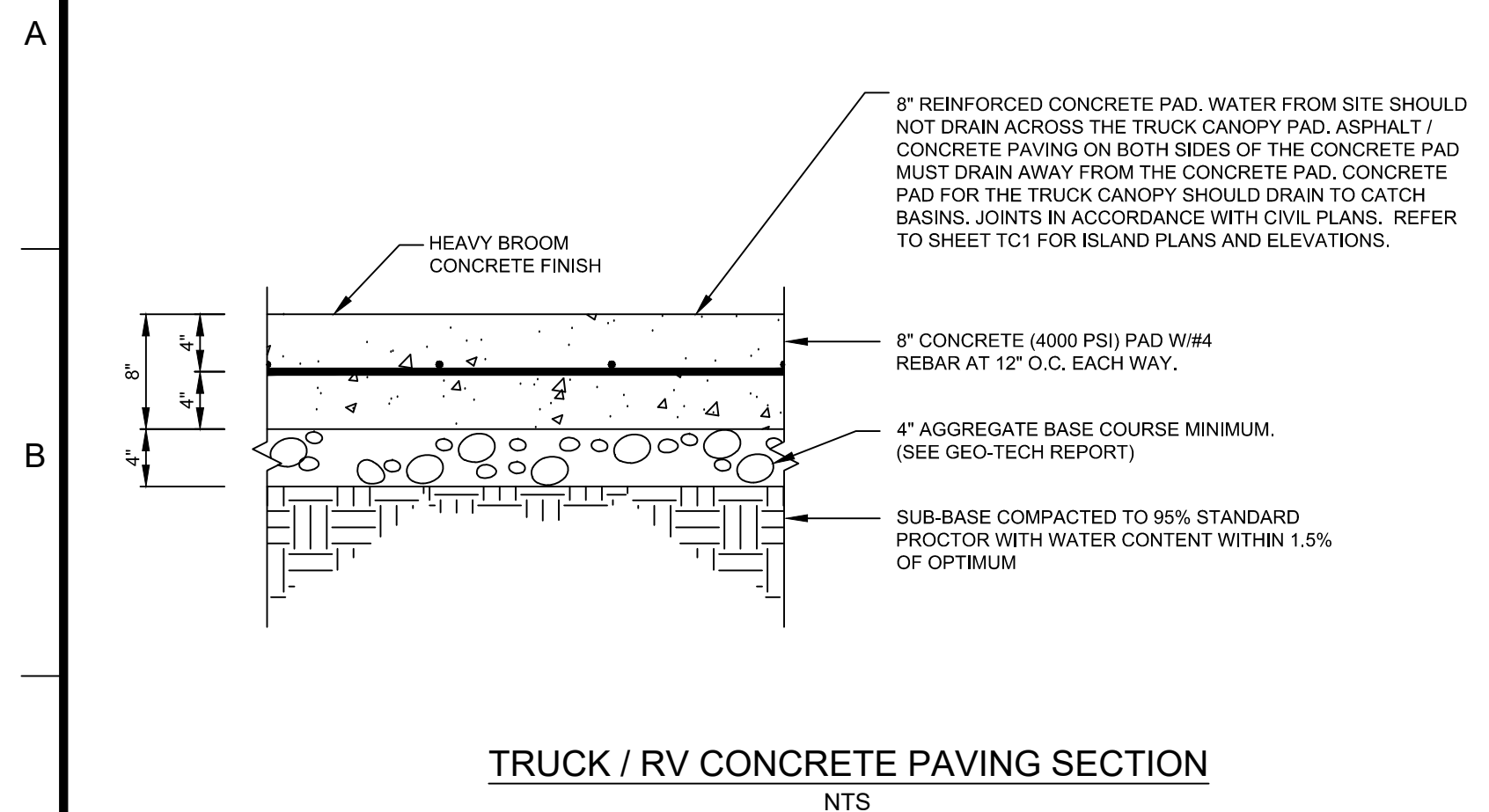
**ENGINEER SEAL**  
ALAN D. ROSCOE, P.E.  
LICENSE # 40163

**SHEET TITLE**  
SITE PAVING CONSTRUCTION DETAILS

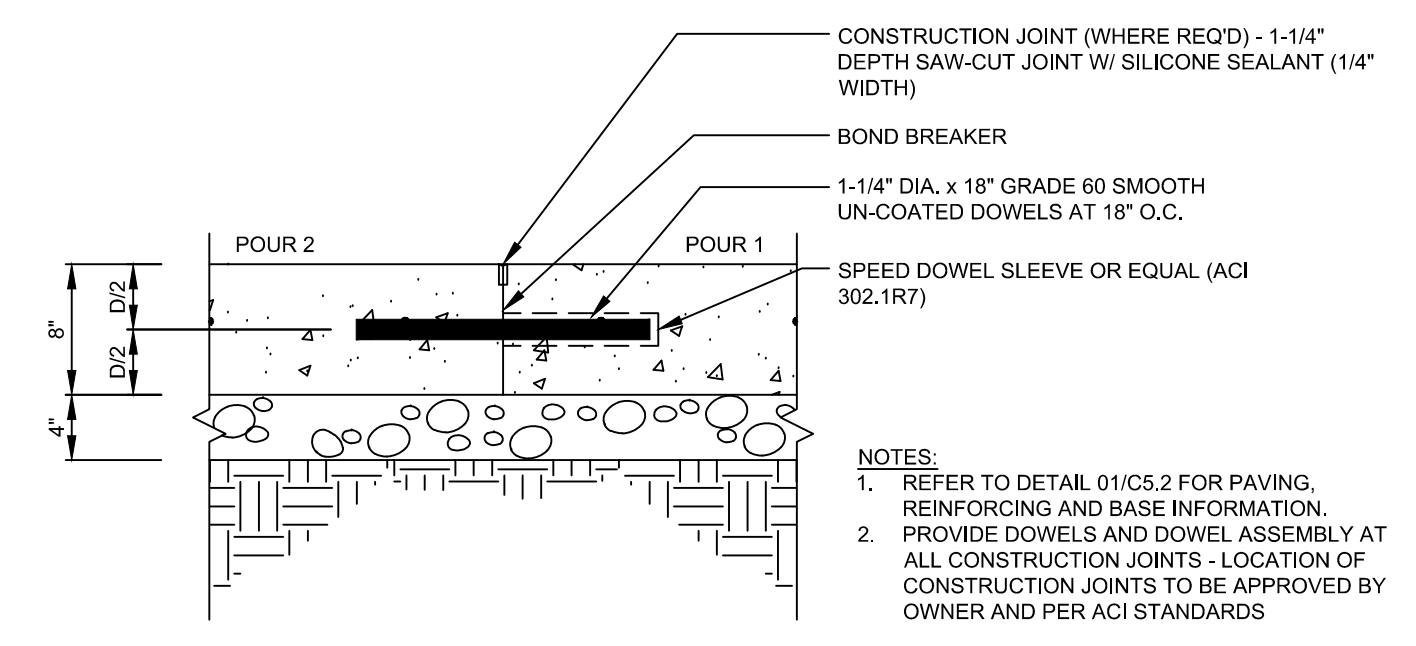
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DATE: 02/10/20  
SCALE: NTS  
DRAWN BY: MP  
CHECKED BY: KGF

SHEET NO.  
**C5.1**

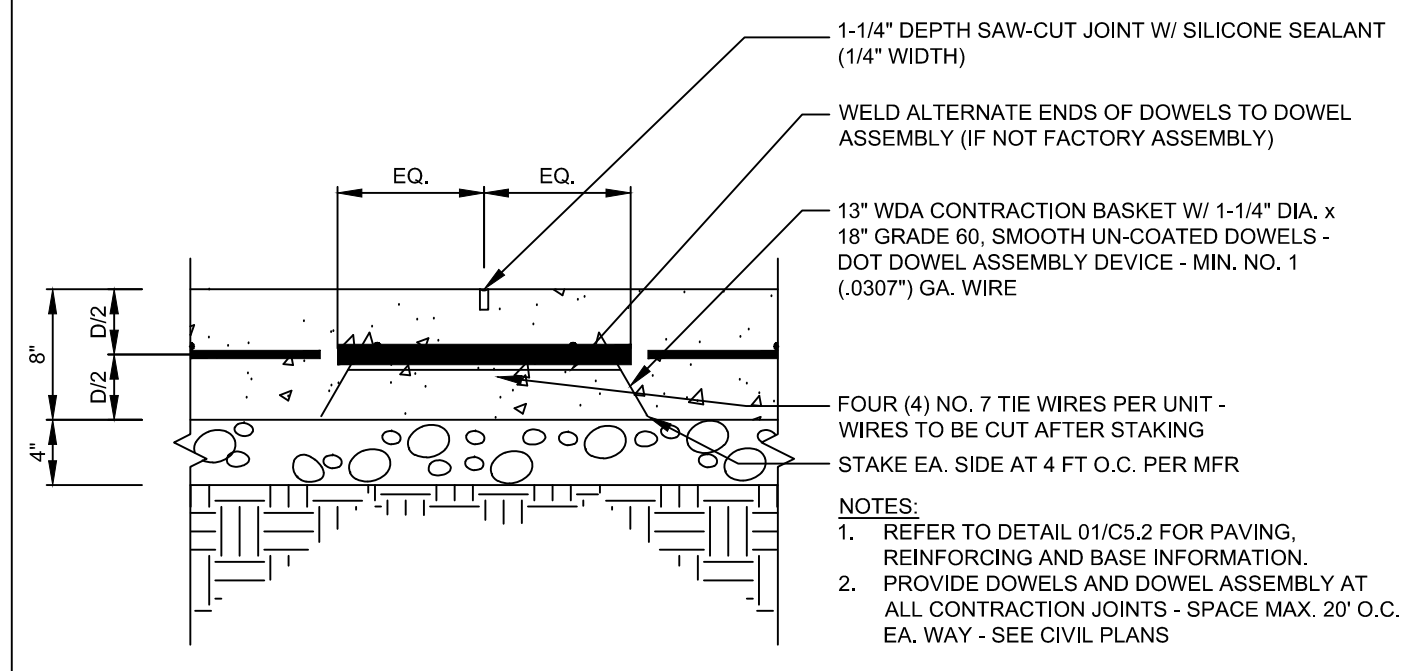




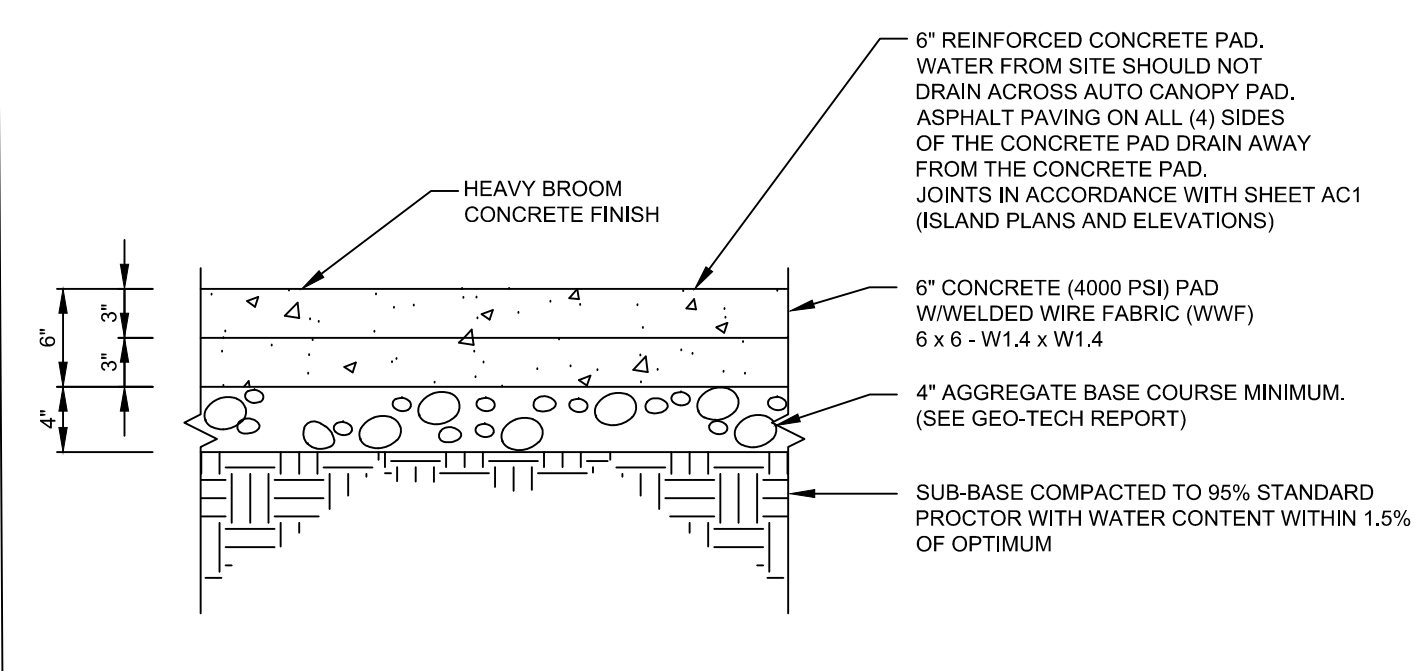
TRUCK / RV CONCRETE PAVING SECTION  
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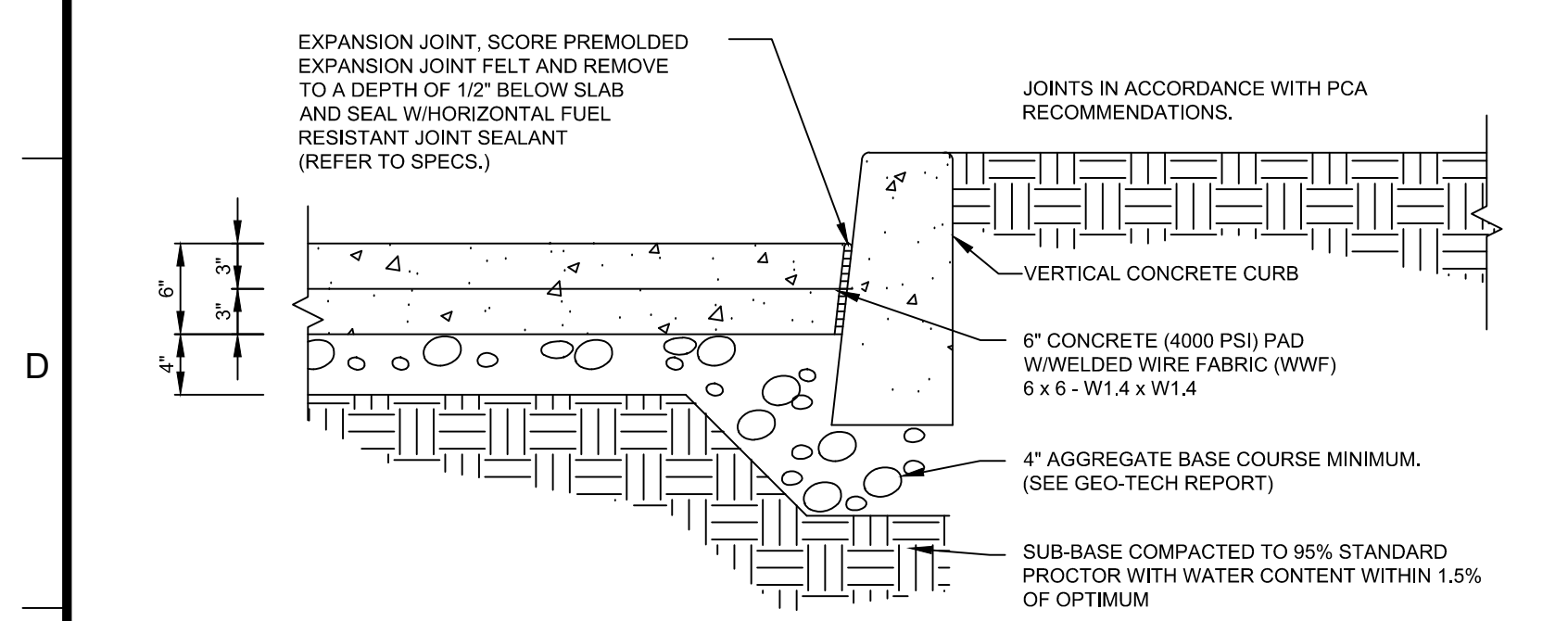
TRUCK / RV PAVING CONSTRUCTION JOINT  
NTS



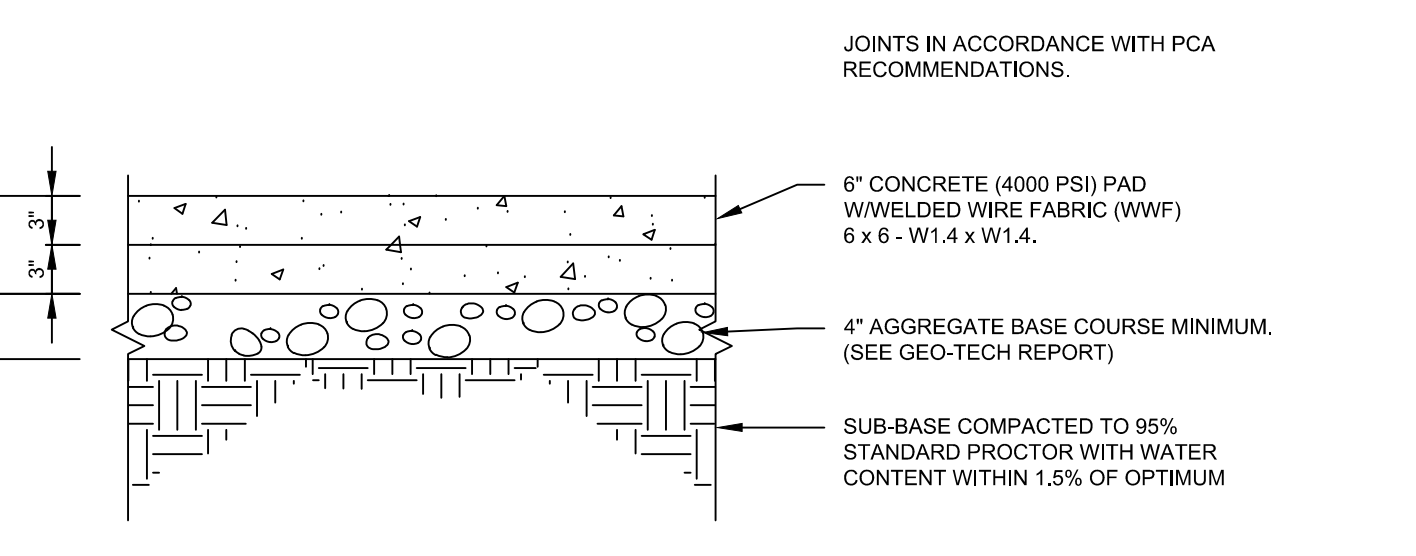
TRUCK / RV CONTRACTION JOINT  
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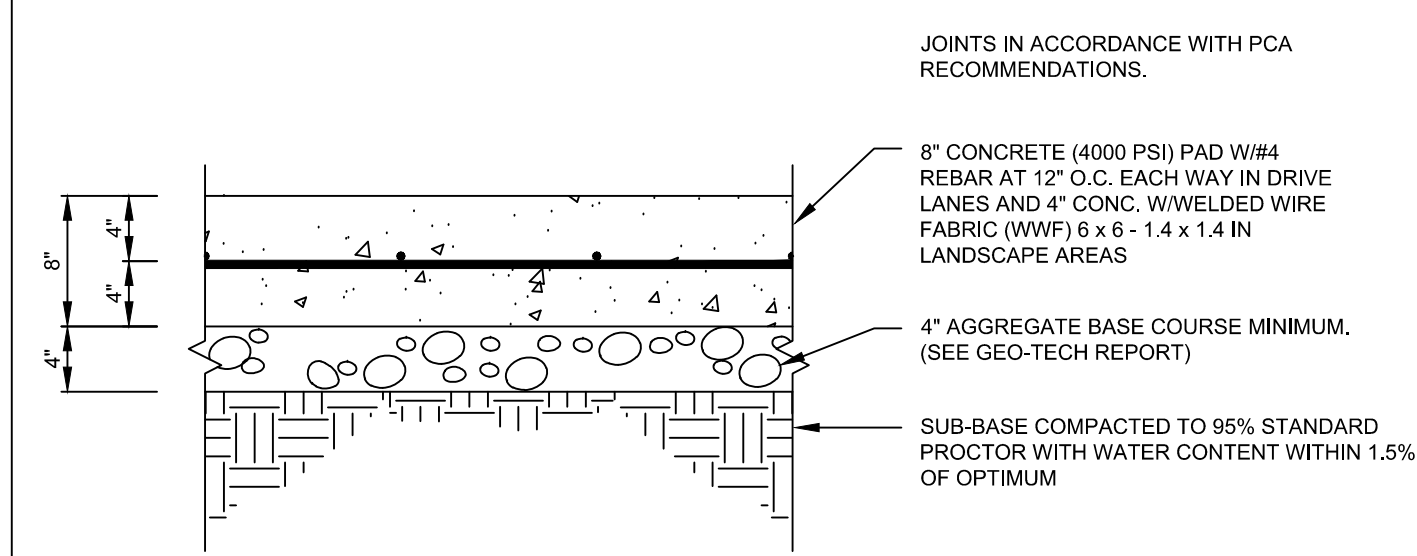
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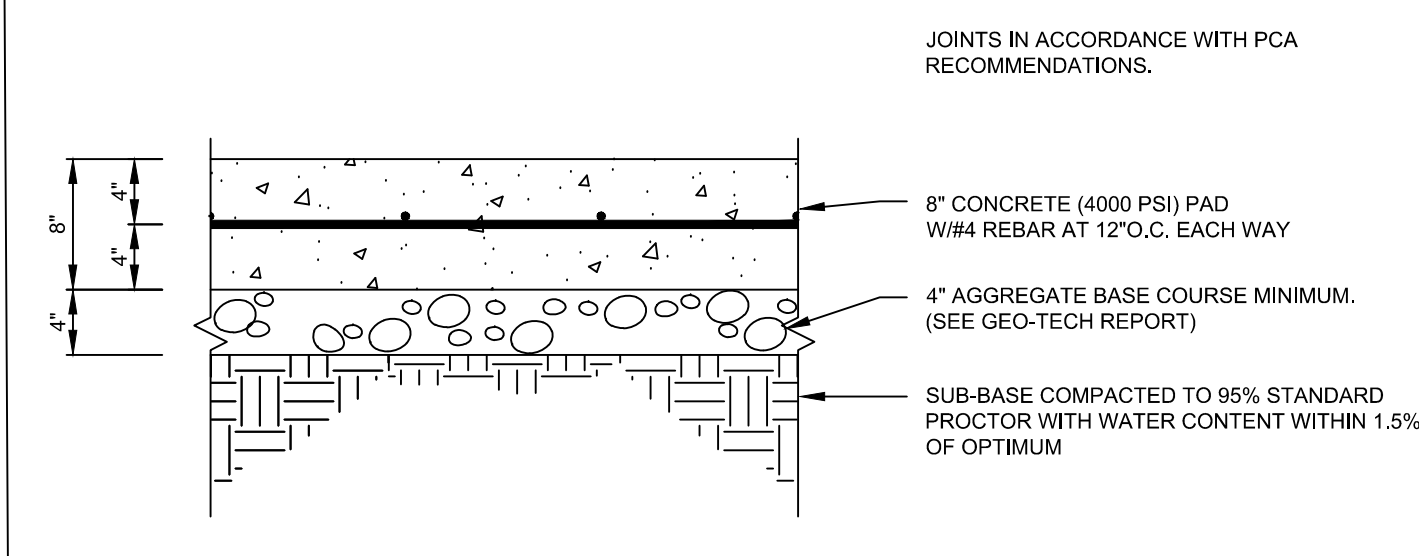
DRIVE THRU LANE CONCRETE SECTION  
NTS



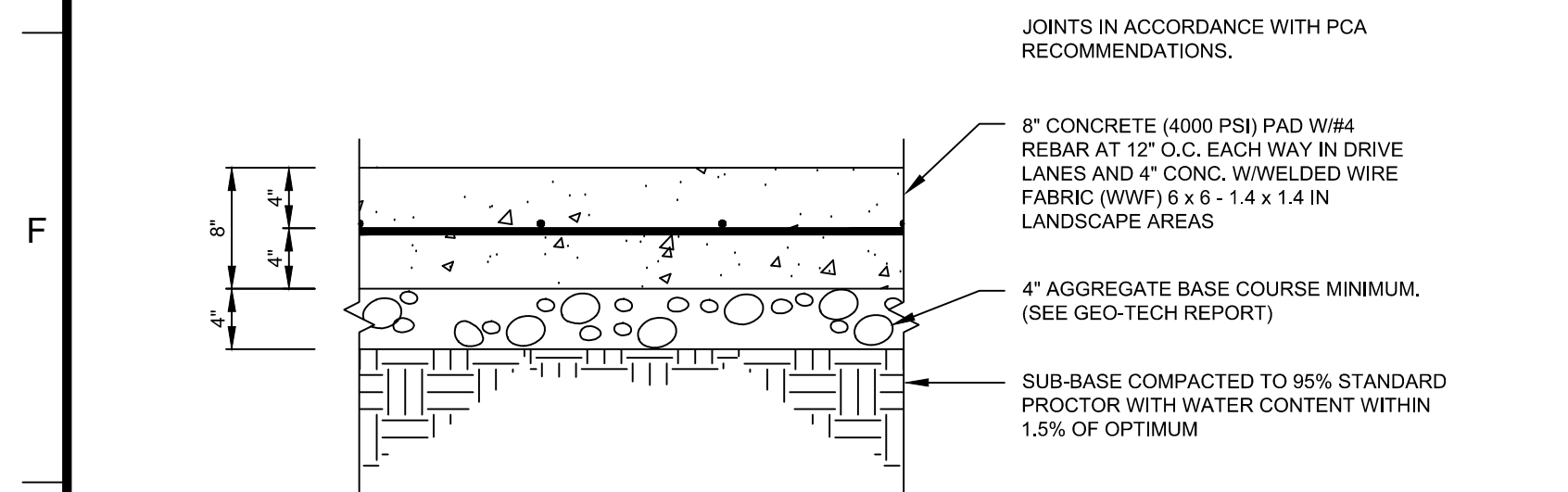
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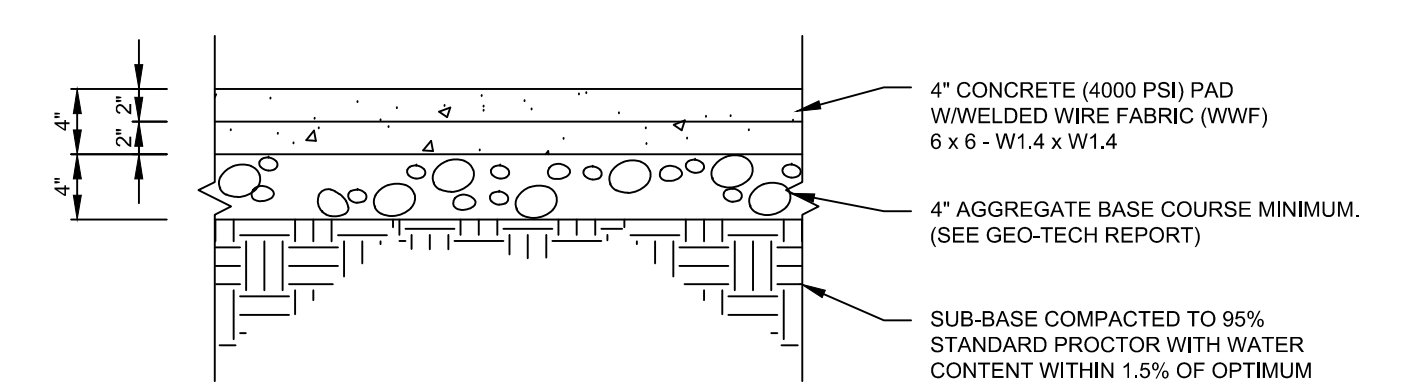
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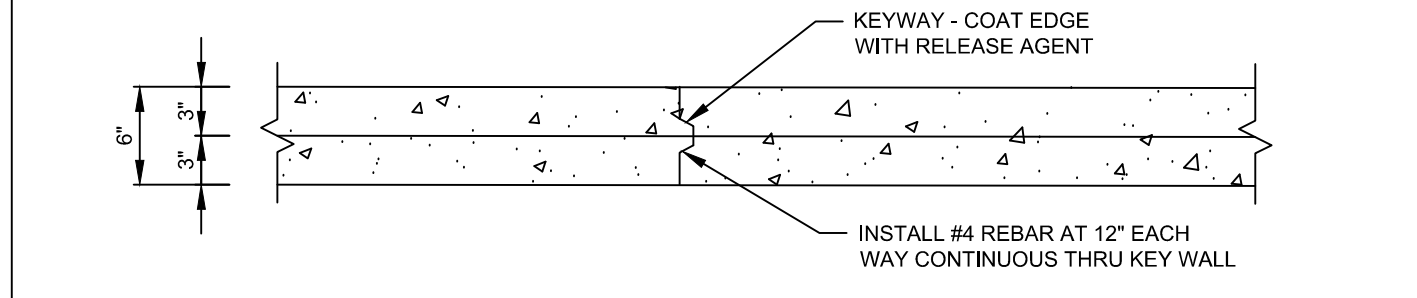
TRASH ENCLOSURE CONCRETE PAD SECTION  
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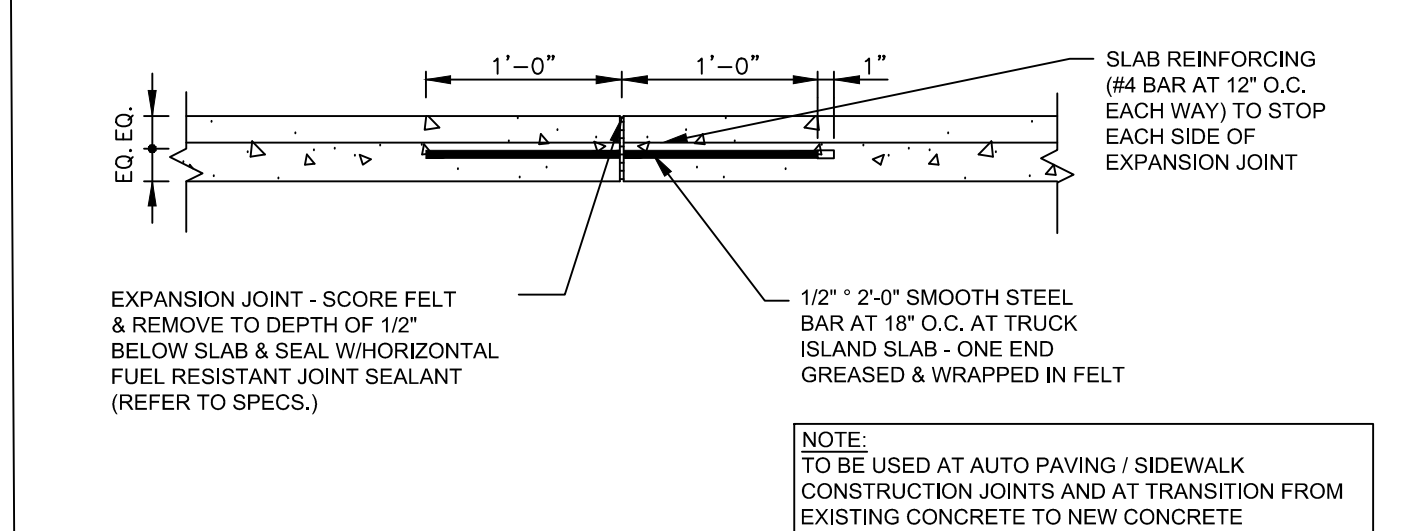
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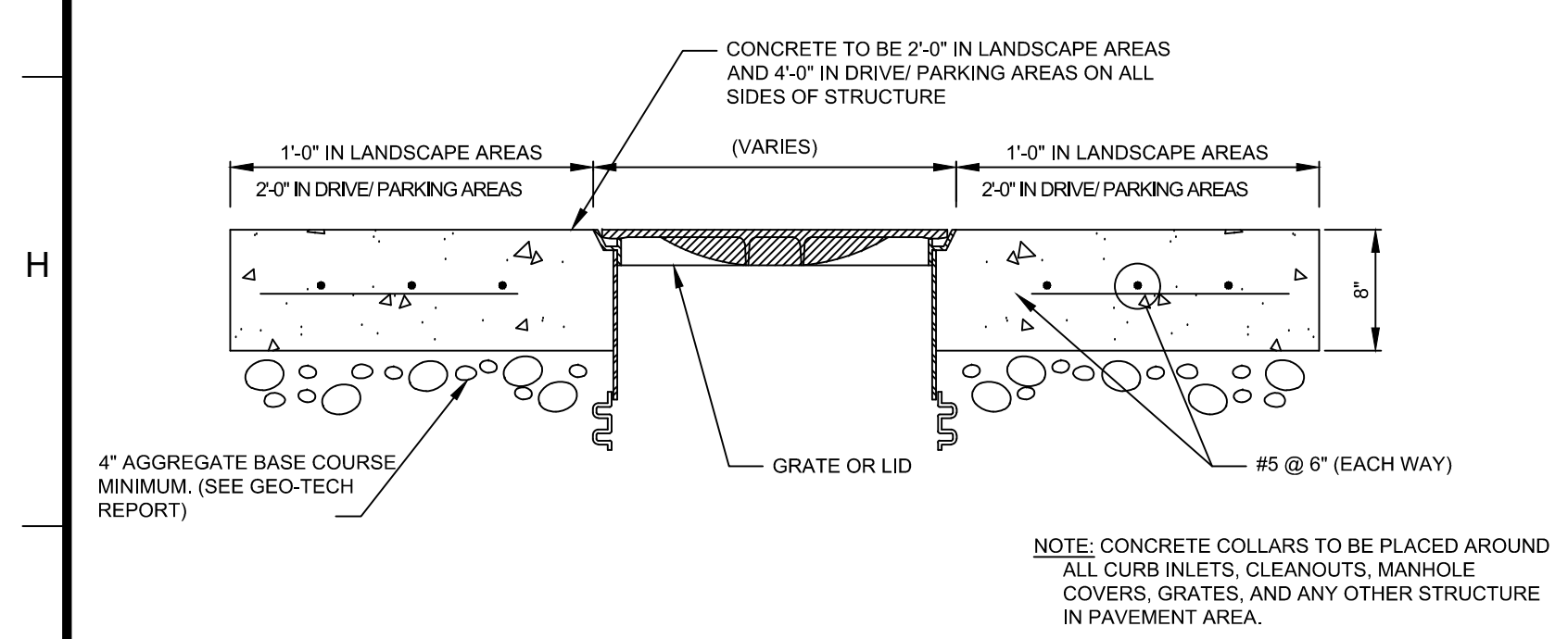
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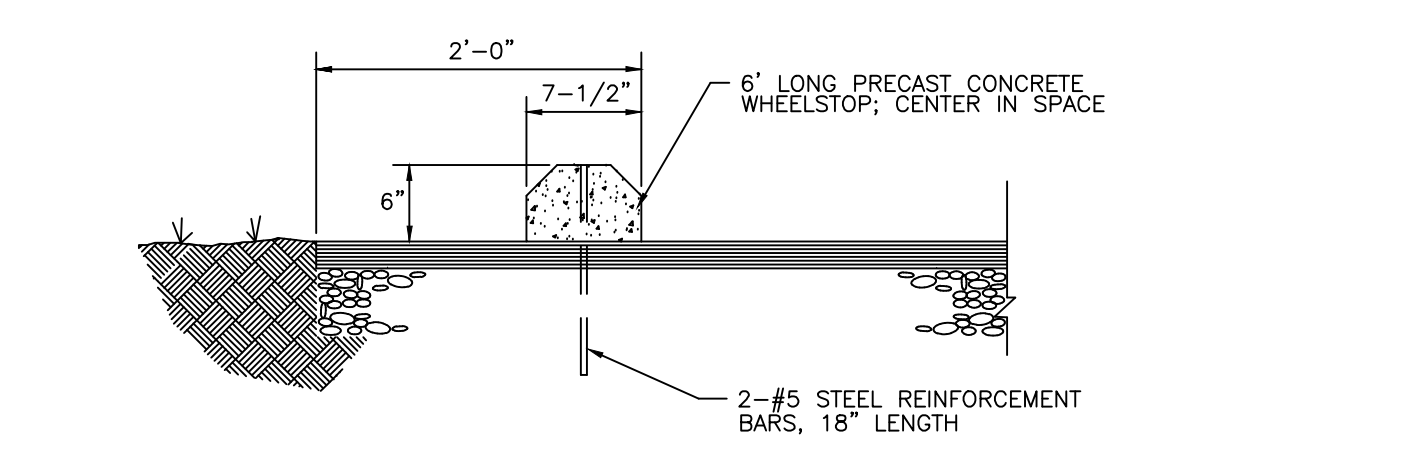
CONCRETE CONSTRUCTION JOINT (AUTO)  
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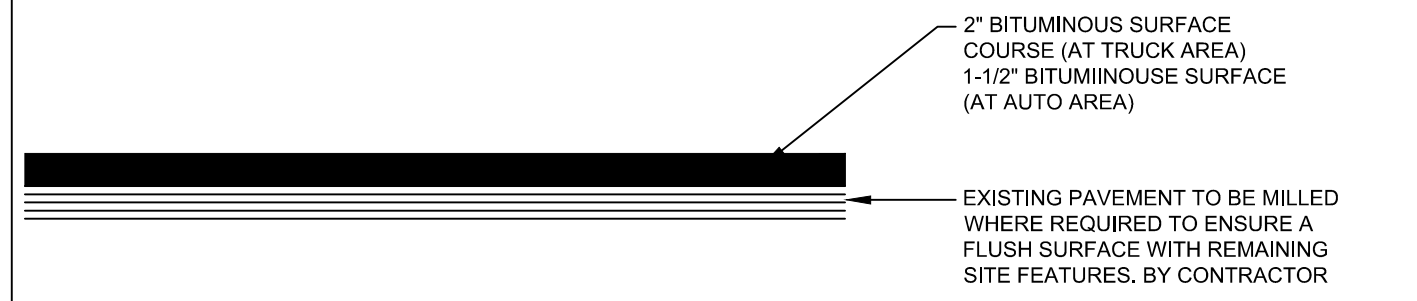
CONCRETE EXPANSION JOINT DETAIL  
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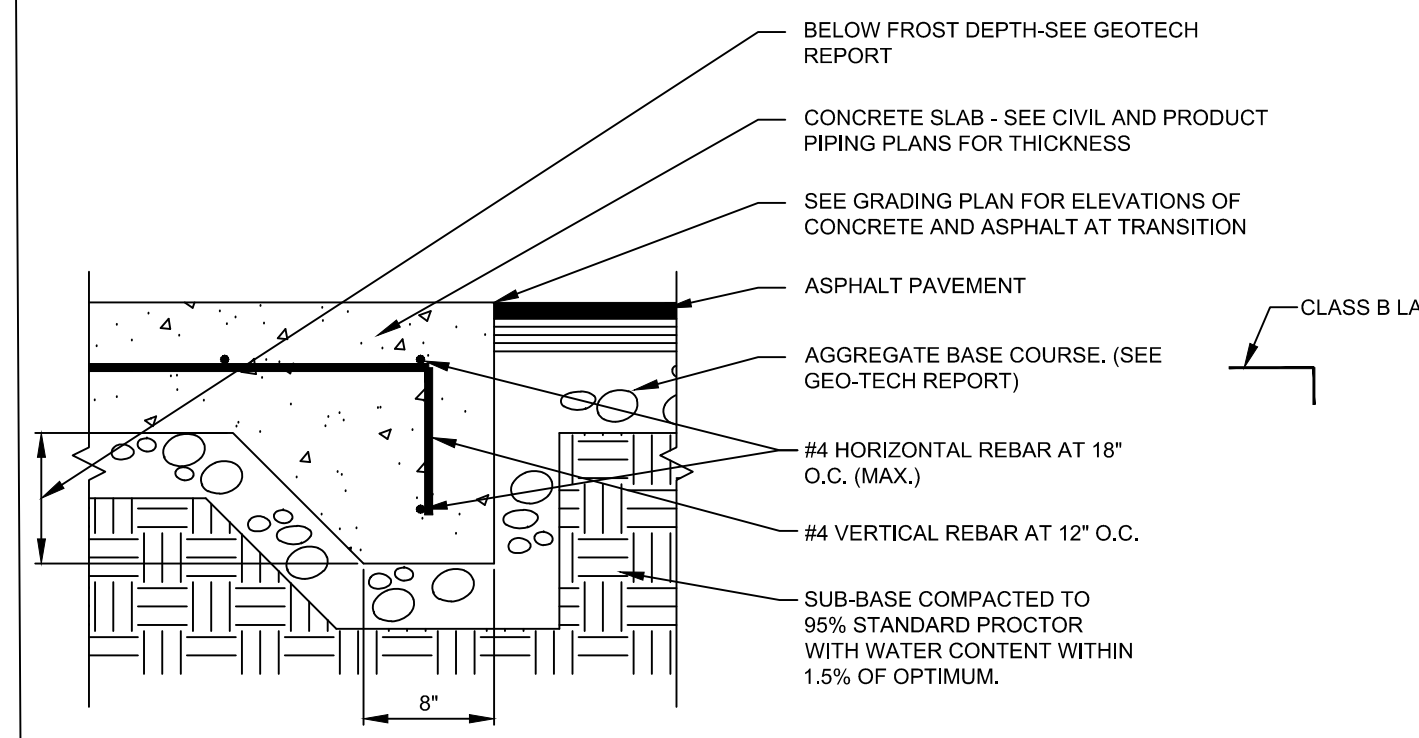
TYPICAL CONCRETE COLLAR DETAIL  
NTS



PRECAST CONCRETE WHEELSTOP DETAIL  
NTS



OVERLAY SECTION  
NTS



CONCRETE/ASPHALT TRANSITION DETAIL  
NTS

**CORE STATES GROUP**  
9 GALEN STREET, SUITE 117  
WATER TOWN, MA 02472  
PHONE (617) 576-0007  
ARCSCOE@CORE-STATES.COM

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CLIENT  
**Pilot TRAVEL CENTERS**  
PILOT TRAVEL CENTERS LLC.  
5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**  
Know what's below. Call before you dig.  
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DOCUMENT  
SITE PLAN  
APPROVAL

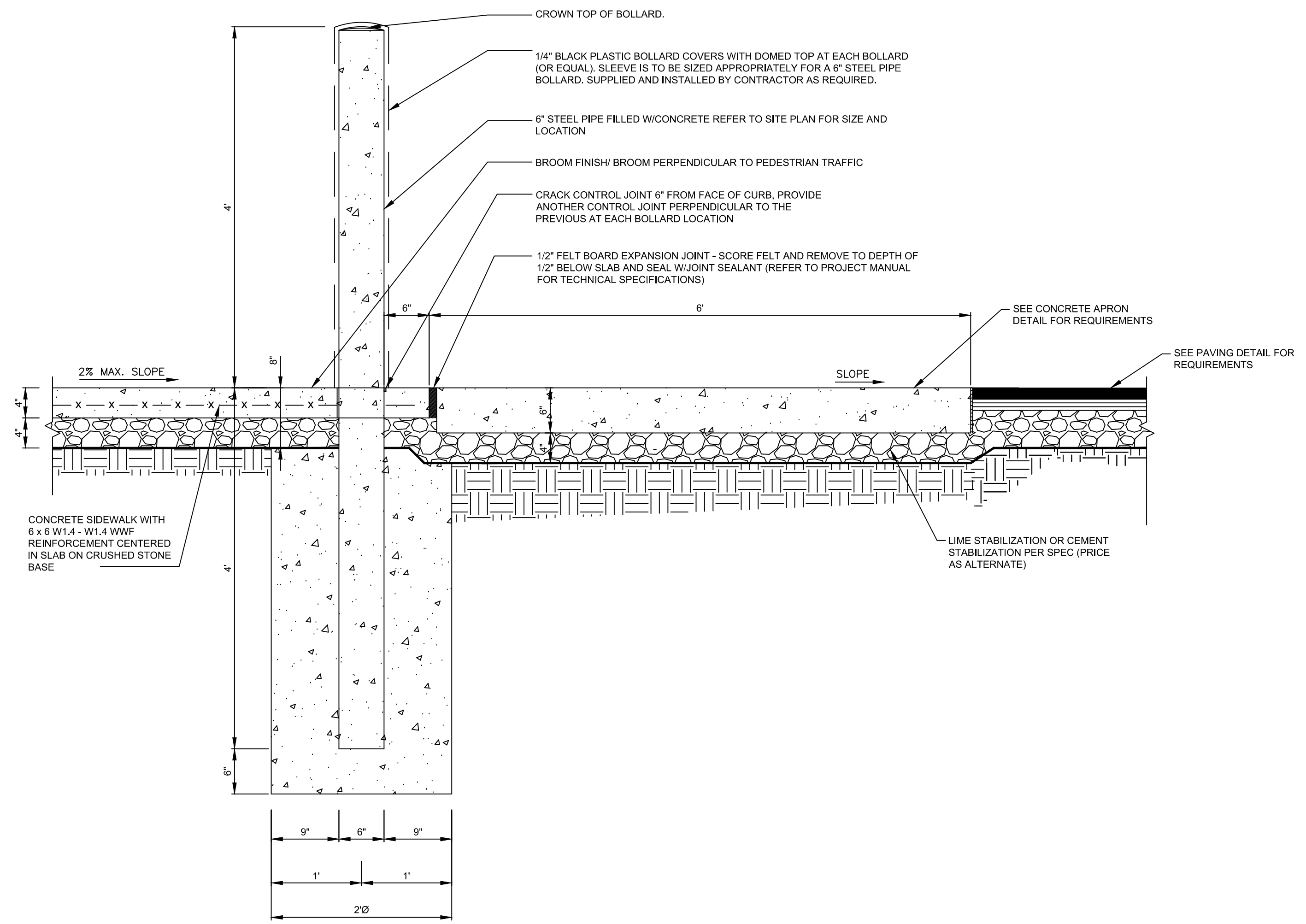
SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

ENGINEER SEAL  
ALAN D. ROSCOE, P.E.  
LICENSE # 40163

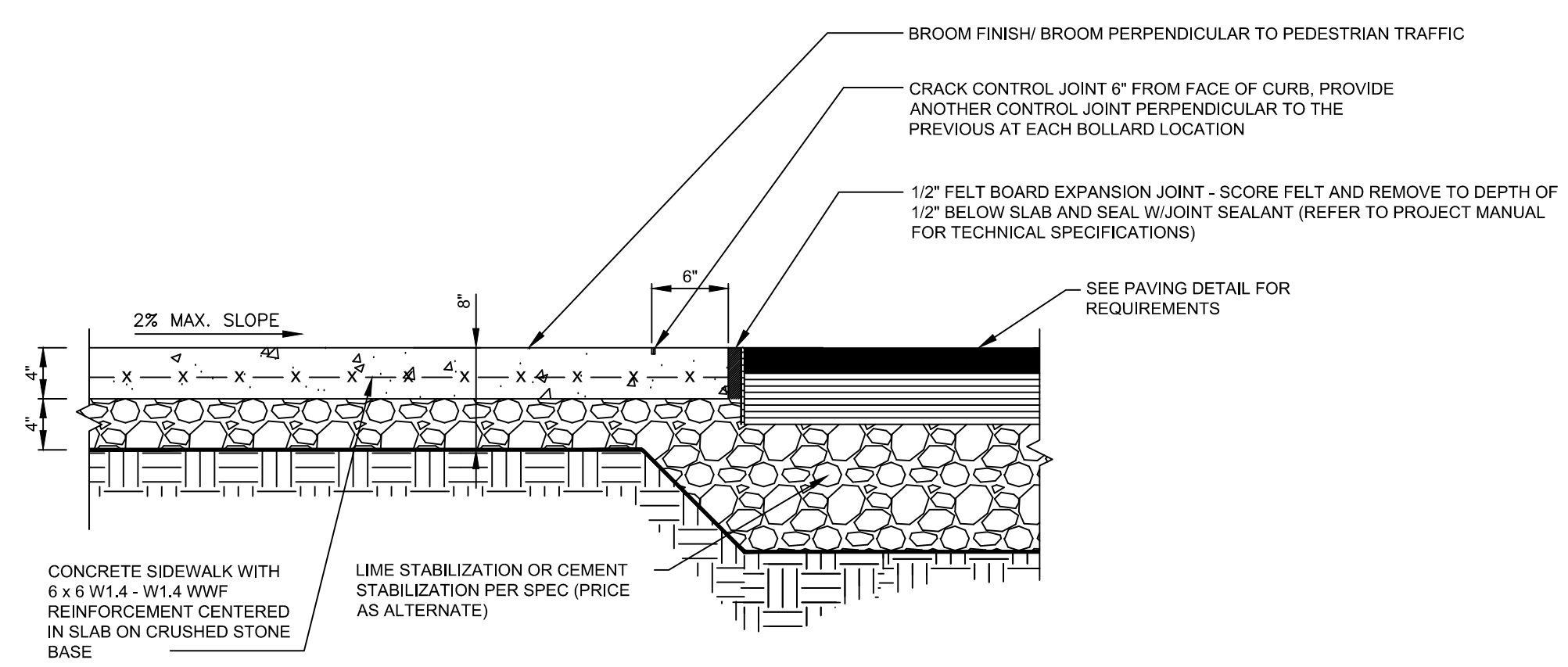
SHEET TITLE  
SITE PAVING  
CONSTRUCTION  
DETAILS

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| JOB #:      | PIL 28950 |
| DATE:       | 02/10/20  |
| SCALE:      | NTS       |
| DRAWN BY:   | MP        |
| CHECKED BY: | KGF       |

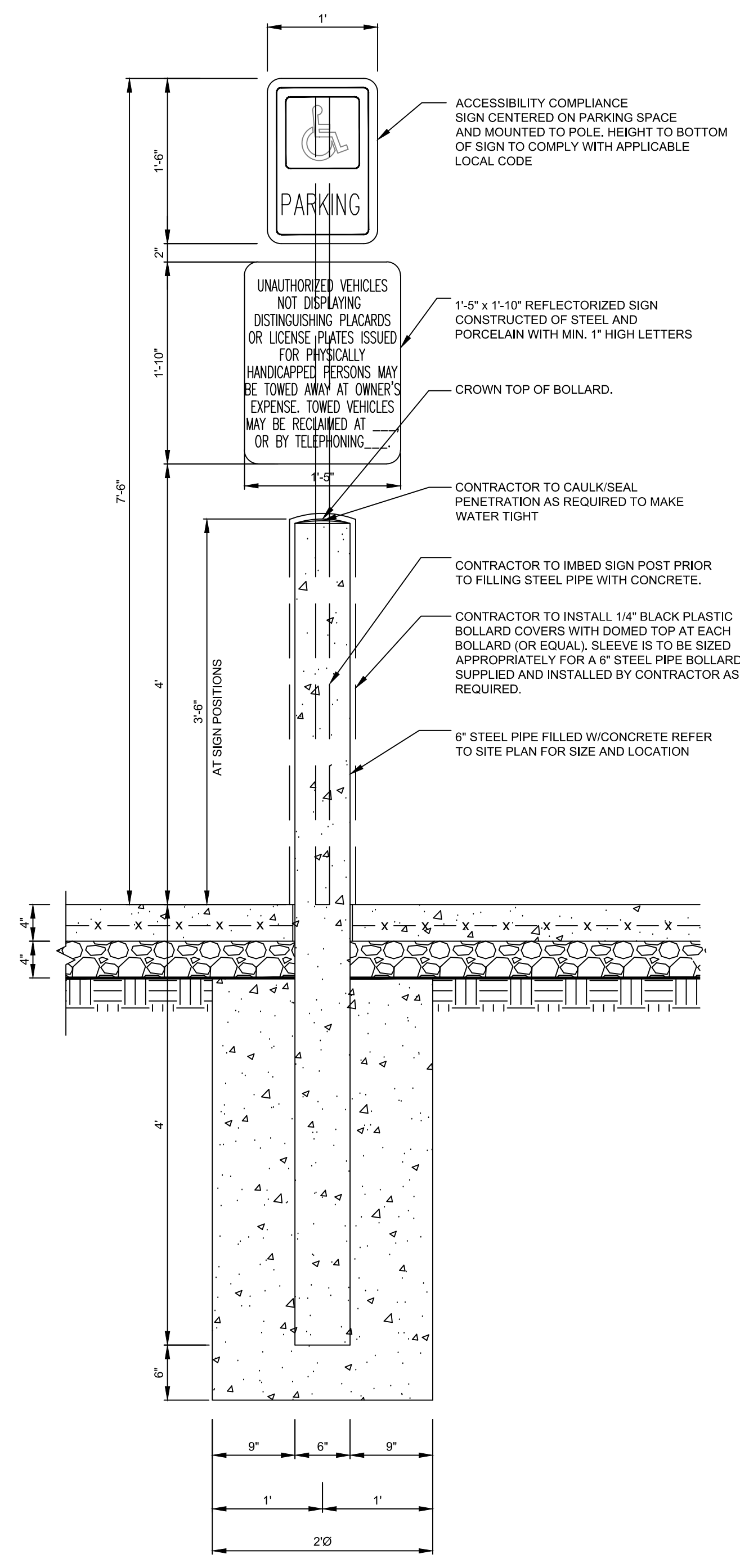
SHEET NO.  
**C5.2**



**AUTO FRONT PARKING/SIDEWALK SECTION NON-ADA PARKING**  
NTS



**TRUCK SIDEWALK SECTION**  
NTS



**ADA PARKING SIGN SECTION**  
NTS

**CORE STATES GROUP**

9 GALEN STREET, SUITE 117  
WATER TOWN, MA 02472  
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ARCSCOE@CORE-STATES.COM

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CLIENT

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PILOT TRAVEL CENTERS LLC.  
5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**  
Know what's below. Call before you dig.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE BASED ON FIELD MEASUREMENTS TAKEN IN THE FIELD. CORE STATES, INC. DOES NOT WARRANT THE LOCATION OR DEPTH OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION TO PREVENT DAMAGE TO EXISTING UTILITIES.

REVISIONS

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DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

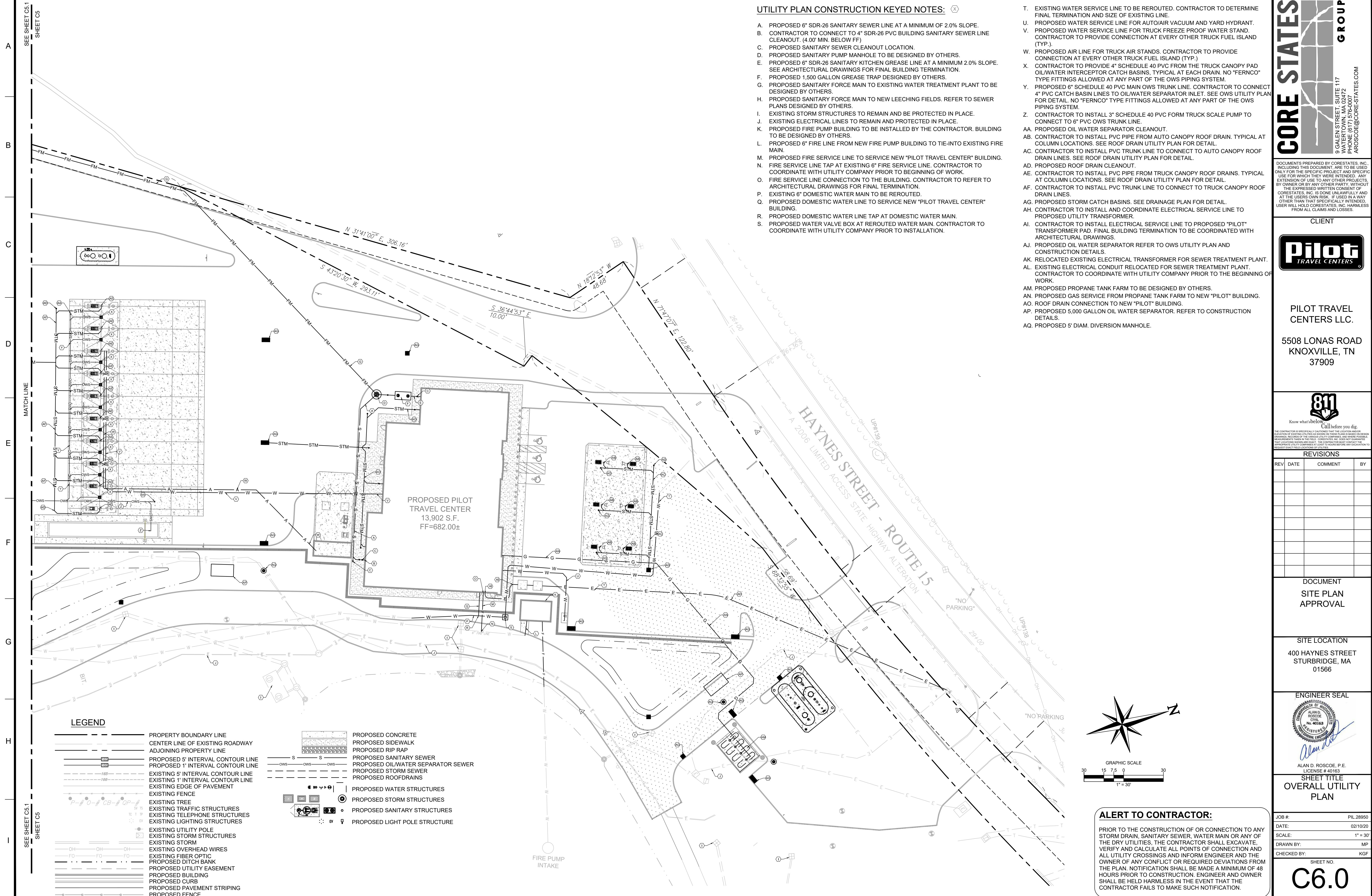
ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

SHEET TITLE  
SITE PAVING  
CONSTRUCTION  
DETAILS

JOB #: PIL 28950  
DATE: 02/10/20  
SCALE: NTS  
DRAWN BY: MP  
CHECKED BY: KGF

SHEET NO.  
**C5.3**



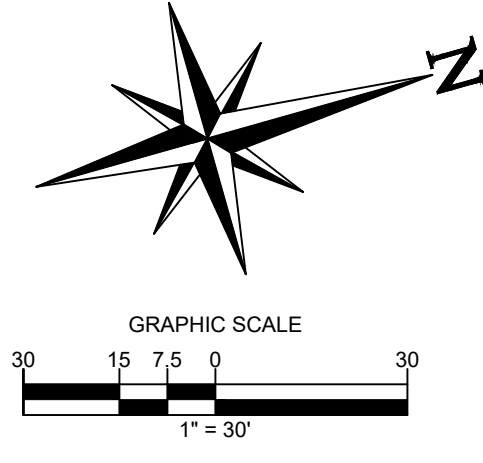
**UTILITY PLAN CONSTRUCTION KEYED NOTES:** (X)

- A. PROPOSED 6" SDR-26 SANITARY SEWER LINE AT A MINIMUM OF 2.0% SLOPE.
- B. CONTRACTOR TO CONNECT TO 4" SDR-26 PVC BUILDING SANITARY SEWER LINE CLEANOUT. (4.00' MIN. BELOW FF)
- C. PROPOSED SANITARY SEWER CLEANOUT LOCATION.
- D. PROPOSED SANITARY PUMP MANHOLE TO BE DESIGNED BY OTHERS.
- E. PROPOSED 6" SDR-26 SANITARY KITCHEN GREASE LINE AT A MINIMUM 2.0% SLOPE. SEE ARCHITECTURAL DRAWINGS FOR FINAL BUILDING TERMINATION.
- F. PROPOSED 1,500 GALLON GREASE TRAP DESIGNED BY OTHERS.
- G. PROPOSED SANITARY FORCE MAIN TO EXISTING WATER TREATMENT PLANT TO BE DESIGNED BY OTHERS.
- H. PROPOSED SANITARY FORCE MAIN TO NEW LEECHING FIELDS. REFER TO SEWER PLANS DESIGNED BY OTHERS.
- I. EXISTING STORM STRUCTURES TO REMAIN AND BE PROTECTED IN PLACE.
- J. EXISTING ELECTRICAL LINES TO REMAIN AND PROTECTED IN PLACE.
- K. PROPOSED FIRE PUMP BUILDING TO BE INSTALLED BY THE CONTRACTOR. BUILDING TO BE DESIGNED BY OTHERS.
- L. PROPOSED 6" FIRE LINE FROM NEW FIRE PUMP BUILDING TO TIE-INTO EXISTING FIRE MAIN.
- M. PROPOSED FIRE SERVICE LINE TO SERVICE NEW "PILOT TRAVEL CENTER" BUILDING.
- N. FIRE SERVICE LINE TAP AT EXISTING 6" FIRE SERVICE LINE. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY PRIOR TO BEGINNING OF WORK.
- O. FIRE SERVICE LINE CONNECTION TO THE BUILDING. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR FINAL TERMINATION.
- P. EXISTING 6" DOMESTIC WATER MAIN TO BE REROUTED.
- Q. PROPOSED DOMESTIC WATER LINE TO SERVICE NEW "PILOT TRAVEL CENTER" BUILDING.
- R. PROPOSED DOMESTIC WATER LINE TAP AT DOMESTIC WATER MAIN.
- S. PROPOSED WATER VALVE BOX AT REROUTED WATER MAIN. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY PRIOR TO INSTALLATION.

- T. EXISTING WATER SERVICE LINE TO BE REROUTED. CONTRACTOR TO DETERMINE FINAL TERMINATION AND SIZE OF EXISTING LINE.
- U. PROPOSED WATER SERVICE LINE FOR AUTO/AIR VACUUM AND YARD HYDRANT.
- V. PROPOSED WATER SERVICE LINE FOR TRUCK FREEZE PROOF WATER STAND. CONTRACTOR TO PROVIDE CONNECTION AT EVERY OTHER TRUCK FUEL ISLAND (TYP.).
- W. PROPOSED AIR LINE FOR TRUCK AIR STANDS. CONTRACTOR TO PROVIDE CONNECTION AT EVERY OTHER TRUCK FUEL ISLAND (TYP.).
- X. CONTRACTOR TO PROVIDE 4" SCHEDULE 40 PVC FROM THE TRUCK CANOPY PAD OIL/WATER INTERCEPTOR CATCH BASINS, TYPICAL AT EACH DRAIN. NO "FERNCO" TYPE FITTINGS ALLOWED AT ANY PART OF THE OWS PIPING SYSTEM.
- Y. PROPOSED 6" SCHEDULE 40 PVC MAIN OWS TRUNK LINE. CONTRACTOR TO CONNECT 4" PVC CATCH BASIN LINES TO OIL/WATER SEPARATOR INLET. SEE OWS UTILITY PLAN FOR DETAIL. NO "FERNCO" TYPE FITTINGS ALLOWED AT ANY PART OF THE OWS PIPING SYSTEM.
- Z. CONTRACTOR TO INSTALL 3" SCHEDULE 40 PVC FORM TRUCK SCALE PUMP TO CONNECT TO 6" PVC OWS TRUNK LINE.
- AA. PROPOSED OIL WATER SEPARATOR CLEANOUT.
- AB. CONTRACTOR TO INSTALL PVC PIPE FROM AUTO CANOPY ROOF DRAIN. TYPICAL AT COLUMN LOCATIONS. SEE ROOF DRAIN UTILITY PLAN FOR DETAIL.
- AC. CONTRACTOR TO INSTALL PVC TRUNK LINE TO CONNECT TO AUTO CANOPY ROOF DRAIN LINES. SEE ROOF DRAIN UTILITY PLAN FOR DETAIL.
- AD. PROPOSED ROOF DRAIN CLEANOUT.
- AE. CONTRACTOR TO INSTALL PVC PIPE FROM TRUCK CANOPY ROOF DRAINS. TYPICAL AT COLUMN LOCATIONS. SEE ROOF DRAIN UTILITY PLAN FOR DETAIL.
- AF. CONTRACTOR TO INSTALL PVC TRUNK LINE TO CONNECT TO TRUCK CANOPY ROOF DRAIN LINES.
- AG. PROPOSED STORM CATCH BASINS. SEE DRAINAGE PLAN FOR DETAIL.
- AH. CONTRACTOR TO INSTALL AND COORDINATE ELECTRICAL SERVICE LINE TO PROPOSED UTILITY TRANSFORMER.
- AI. CONTRACTOR TO INSTALL ELECTRICAL SERVICE LINE TO PROPOSED "PILOT" TRANSFORMER PAD. FINAL BUILDING TERMINATION TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
- AJ. PROPOSED OIL WATER SEPARATOR REFER TO OWS UTILITY PLAN AND CONSTRUCTION DETAILS.
- AK. RELOCATED EXISTING ELECTRICAL TRANSFORMER FOR SEWER TREATMENT PLANT.
- AL. EXISTING ELECTRICAL CONDUIT RELOCATED FOR SEWER TREATMENT PLANT. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY PRIOR TO THE BEGINNING OF WORK.
- AM. PROPOSED PROPANE TANK FARM TO BE DESIGNED BY OTHERS.
- AN. PROPOSED GAS SERVICE FROM PROPANE TANK FARM TO NEW "PILOT" BUILDING.
- AO. ROOF DRAIN CONNECTION TO NEW "PILOT" BUILDING.
- AP. PROPOSED 5,000 GALLON OIL WATER SEPARATOR. REFER TO CONSTRUCTION DETAILS.
- AQ. PROPOSED 5" DIAM. DIVERSION MANHOLE.

**LEGEND**

- PROPERTY BOUNDARY LINE
- CENTER LINE OF EXISTING ROADWAY
- ADJOINING PROPERTY LINE
- PROPOSED 5' INTERVAL CONTOUR LINE
- PROPOSED 1' INTERVAL CONTOUR LINE
- EXISTING 5' INTERVAL CONTOUR LINE
- EXISTING 1' INTERVAL CONTOUR LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING FENCE
- EXISTING TREE
- EXISTING TRAFFIC STRUCTURES
- EXISTING TELEPHONE STRUCTURES
- EXISTING LIGHTING STRUCTURES
- EXISTING UTILITY POLE
- EXISTING STORM STRUCTURES
- EXISTING STORM
- EXISTING OVERHEAD WIRES
- EXISTING FIBER OPTIC
- PROPOSED DITCH BANK
- PROPOSED UTILITY EASEMENT
- PROPOSED BUILDING
- PROPOSED CURB
- PROPOSED PAVEMENT STRIPING
- PROPOSED FENCE
- PROPOSED CONCRETE
- PROPOSED SIDEWALK
- PROPOSED RIP RAP
- PROPOSED SANITARY SEWER
- PROPOSED OIL/WATER SEPARATOR SEWER
- PROPOSED STORM SEWER
- PROPOSED ROOFDRAINS
- PROPOSED WATER STRUCTURES
- PROPOSED STORM STRUCTURES
- PROPOSED SANITARY STRUCTURES
- PROPOSED LIGHT POLE STRUCTURE



**ALERT TO CONTRACTOR:**

PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM ENGINEER AND THE OWNER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. ENGINEER AND OWNER SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

**CORE STATES GROUP**

9 GALEN STREET, SUITE 117  
WATER TOWN, MA 02472  
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ARCOSOE@CORE-STATES.COM

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CLIENT

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PILOT TRAVEL CENTERS LLC.

5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**

Know what's below. Call before you dig.

The contractor is specifically cautioned that the location and/or depth of existing utilities shown on these drawings are based on records. Records of the utility companies are shown for informational purposes only. The contractor is responsible for verifying the location and depth of utilities prior to construction by contacting the appropriate utility companies.

**REVISIONS**

| REV | DATE | COMMENT | BY |
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DOCUMENT SITE PLAN APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

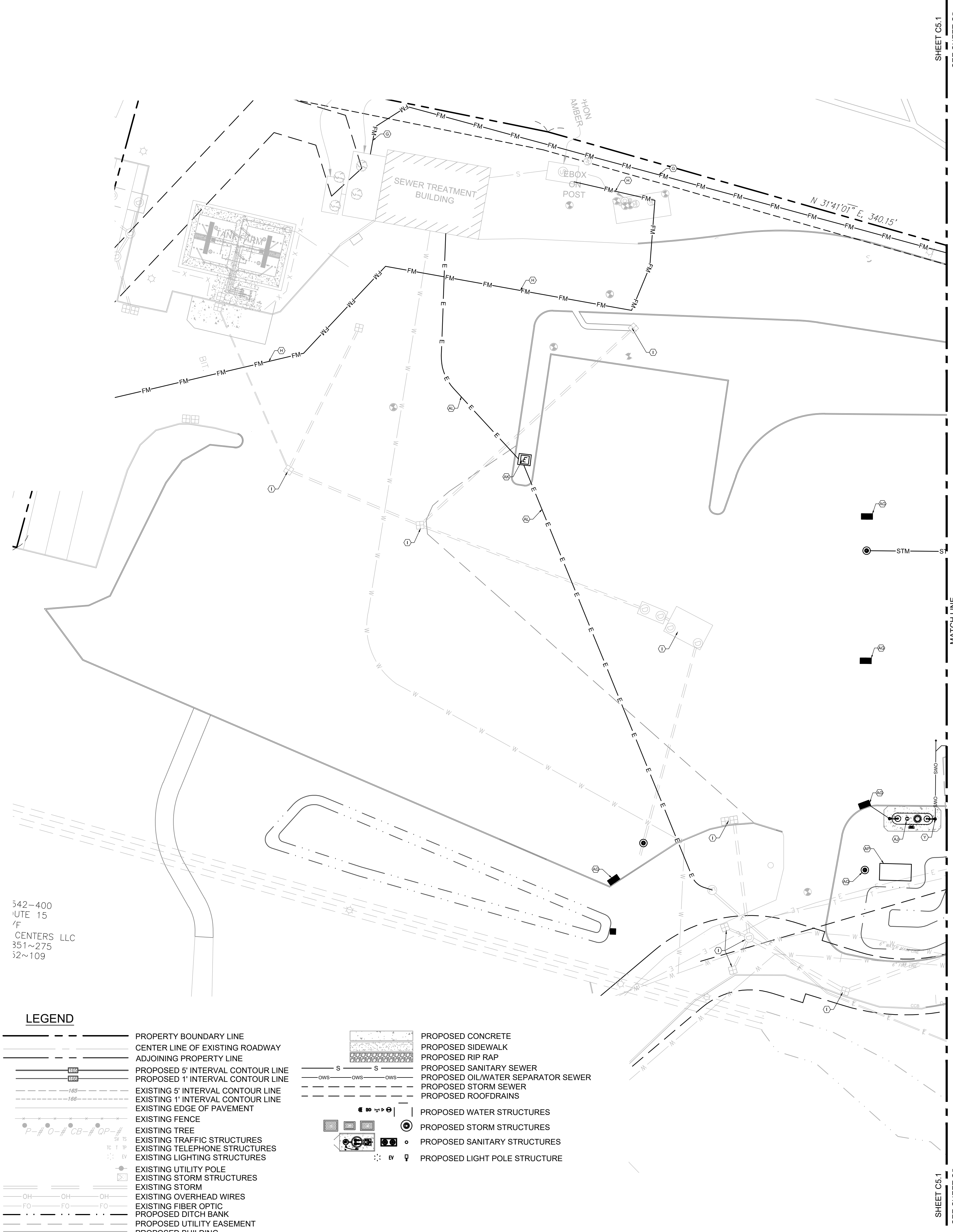
ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

SHEET TITLE  
OVERALL UTILITY PLAN

JOB #: PIL-28950  
DATE: 02/10/20  
SCALE: 1" = 30'  
DRAWN BY: MP  
CHECKED BY: KGF

SHEET NO.  
**C6.0**



SHEET C5.1 SEE SHEET C5

MATCH LINE

SHEET C5.1 SEE SHEET C5

**UTILITY PLAN CONSTRUCTION KEYED NOTES:**

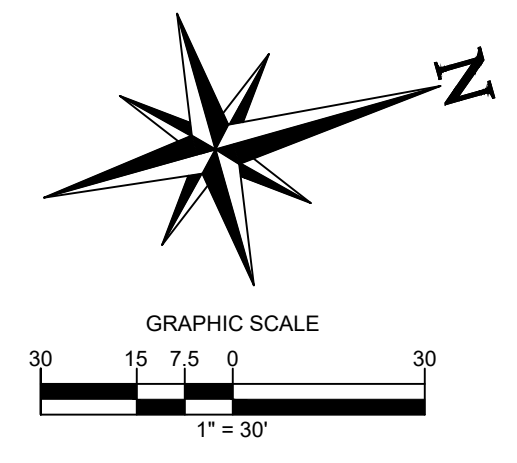
- A. PROPOSED 6" SDR-26 SANITARY SEWER LINE AT A MINIMUM OF 2.0% SLOPE.
- B. CONTRACTOR TO CONNECT TO 4" SDR-26 PVC BUILDING SANITARY SEWER LINE CLEANOUT. (4.0' MIN. BELOW FF)
- C. PROPOSED SANITARY SEWER CLEANOUT LOCATION.
- D. PROPOSED SANITARY PUMP MANHOLE TO BE DESIGNED BY OTHERS.
- E. PROPOSED 6" SDR-26 SANITARY KITCHEN GREASE LINE AT A MINIMUM 2.0% SLOPE. SEE ARCHITECTURAL DRAWINGS FOR FINAL BUILDING TERMINATION.
- F. PROPOSED 1,500 GALLON GREASE TRAP DESIGNED BY OTHERS.
- G. PROPOSED SANITARY FORCE MAIN TO EXISTING WATER TREATMENT PLANT TO BE DESIGNED BY OTHERS.
- H. PROPOSED SANITARY FORCE MAIN TO NEW LEECHING FIELDS. REFER TO SEWER PLANS DESIGNED BY OTHERS.
- I. EXISTING STORM STRUCTURES TO REMAIN AND BE PROTECTED IN PLACE.
- J. EXISTING ELECTRICAL LINES TO REMAIN AND PROTECTED IN PLACE.
- K. PROPOSED FIRE PUMP BUILDING TO BE INSTALLED BY THE CONTRACTOR. BUILDING TO BE DESIGNED BY OTHERS.
- L. PROPOSED 6" FIRE LINE FROM NEW FIRE PUMP BUILDING TO TIE-INTO EXISTING FIRE MAIN.
- M. PROPOSED FIRE SERVICE LINE TO SERVICE NEW "PILOT TRAVEL CENTER" BUILDING.
- N. FIRE SERVICE LINE TAP AT EXISTING 6" FIRE SERVICE LINE. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY PRIOR TO BEGINNING OF WORK.
- O. FIRE SERVICE LINE CONNECTION TO THE BUILDING. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR FINAL TERMINATION.
- P. EXISTING 6" DOMESTIC WATER MAIN TO BE REROUTED.
- Q. PROPOSED DOMESTIC WATER LINE TO SERVICE NEW "PILOT TRAVEL CENTER" BUILDING.
- R. PROPOSED DOMESTIC WATER LINE TAP AT DOMESTIC WATER MAIN.
- S. PROPOSED WATER VALVE BOX AT REROUTED WATER MAIN. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY PRIOR TO INSTALLATION.

- T. EXISTING WATER SERVICE LINE TO BE REROUTED. CONTRACTOR TO DETERMINE FINAL TERMINATION AND SIZE OF EXISTING LINE.
- U. PROPOSED WATER SERVICE LINE FOR AUTO/AIR VACUUM AND YARD HYDRANT.
- V. PROPOSED WATER SERVICE LINE FOR TRUCK FREEZE PROOF WATER STAND. CONTRACTOR TO PROVIDE CONNECTION AT EVERY OTHER TRUCK FUEL ISLAND (TYP.).
- W. PROPOSED AIR LINE FOR TRUCK AIR STANDS. CONTRACTOR TO PROVIDE CONNECTION AT EVERY OTHER TRUCK FUEL ISLAND (TYP.).
- X. CONTRACTOR TO PROVIDE 4" SCHEDULE 40 PVC FROM THE TRUCK CANOPY PAD OIL/WATER INTERCEPTOR CATCH BASINS, TYPICAL AT EACH DRAIN. NO "FERNCO" TYPE FITTINGS ALLOWED AT ANY PART OF THE OWS PIPING SYSTEM.
- Y. PROPOSED 6" SCHEDULE 40 PVC MAIN OWS TRUNK LINE. CONTRACTOR TO CONNECT 4" PVC CATCH BASIN LINES TO OIL/WATER SEPARATOR INLET. SEE OWS UTILITY PLAN FOR DETAIL. NO "FERNCO" TYPE FITTINGS ALLOWED AT ANY PART OF THE OWS PIPING SYSTEM.
- Z. CONTRACTOR TO INSTALL 3" SCHEDULE 40 PVC FORM TRUCK SCALE PUMP TO CONNECT TO 6" PVC OWS TRUNK LINE.
- AA. PROPOSED OIL WATER SEPARATOR CLEANOUT.
- AB. CONTRACTOR TO INSTALL PVC PIPE FROM AUTO CANOPY ROOF DRAIN. TYPICAL AT COLUMN LOCATIONS. SEE ROOF DRAIN UTILITY PLAN FOR DETAIL.
- AC. CONTRACTOR TO INSTALL PVC TRUNK LINE TO CONNECT TO AUTO CANOPY ROOF DRAIN LINES. SEE ROOF DRAIN UTILITY PLAN FOR DETAIL.
- AD. PROPOSED ROOF DRAIN CLEANOUT.
- AE. CONTRACTOR TO INSTALL PVC PIPE FROM TRUCK CANOPY ROOF DRAINS. TYPICAL AT COLUMN LOCATIONS. SEE ROOF DRAIN UTILITY PLAN FOR DETAIL.
- AF. CONTRACTOR TO INSTALL PVC TRUNK LINE TO CONNECT TO TRUCK CANOPY ROOF DRAIN LINES.
- AG. PROPOSED STORM CATCH BASINS. SEE DRAINAGE PLAN FOR DETAIL.
- AH. CONTRACTOR TO INSTALL AND COORDINATE ELECTRICAL SERVICE LINE TO PROPOSED UTILITY TRANSFORMER.
- AI. CONTRACTOR TO INSTALL ELECTRICAL SERVICE LINE TO PROPOSED "PILOT" TRANSFORMER PAD. FINAL BUILDING TERMINATION TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
- AJ. PROPOSED OIL WATER SEPARATOR REFER TO OWS UTILITY PLAN AND CONSTRUCTION DETAILS.
- AK. RELOCATED EXISTING ELECTRICAL TRANSFORMER FOR SEWER TREATMENT PLANT.
- AL. EXISTING ELECTRICAL CONDUIT RELOCATED FOR SEWER TREATMENT PLANT. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY PRIOR TO THE BEGINNING OF WORK.
- AM. PROPOSED PROPANE TANK FARM TO BE DESIGNED BY OTHERS.
- AN. PROPOSED GAS SERVICE FROM PROPANE TANK FARM TO NEW "PILOT" BUILDING.
- AO. ROOF DRAIN CONNECTION TO NEW "PILOT" BUILDING.
- AP. PROPOSED 5,000 GALLON OIL WATER SEPARATOR. REFER TO CONSTRUCTION DETAILS.
- AQ. PROPOSED 5' DIAM. DIVERSION MANHOLE.

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CENTERS LLC  
351~275  
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**LEGEND**

|  |                                   |  |                                    |
|--|-----------------------------------|--|------------------------------------|
|  | PROPERTY BOUNDARY LINE            |  | PROPOSED CONCRETE                  |
|  | CENTER LINE OF EXISTING ROADWAY   |  | PROPOSED SIDEWALK                  |
|  | ADJOINING PROPERTY LINE           |  | PROPOSED RIP RAP                   |
|  | PROPOSED 5' INTERVAL CONTOUR LINE |  | PROPOSED SANITARY SEWER            |
|  | PROPOSED 1' INTERVAL CONTOUR LINE |  | PROPOSED OIL/WATER SEPARATOR SEWER |
|  | EXISTING 5' INTERVAL CONTOUR LINE |  | PROPOSED STORM SEWER               |
|  | EXISTING 1' INTERVAL CONTOUR LINE |  | PROPOSED ROOFDRAINS                |
|  | EXISTING EDGE OF PAVEMENT         |  | PROPOSED WATER STRUCTURES          |
|  | EXISTING FENCE                    |  | PROPOSED STORM STRUCTURES          |
|  | EXISTING TREE                     |  | PROPOSED SANITARY STRUCTURES       |
|  | EXISTING TRAFFIC STRUCTURES       |  | PROPOSED STORM STRUCTURES          |
|  | EXISTING TELEPHONE STRUCTURES     |  | PROPOSED LIGHT POLE STRUCTURE      |
|  | EXISTING LIGHTING STRUCTURES      |  |                                    |
|  | EXISTING UTILITY POLE             |  |                                    |
|  | EXISTING STORM STRUCTURES         |  |                                    |
|  | EXISTING STORM                    |  |                                    |
|  | EXISTING OVERHEAD WIRES           |  |                                    |
|  | EXISTING FIBER OPTIC              |  |                                    |
|  | PROPOSED DITCH BANK               |  |                                    |
|  | PROPOSED UTILITY EASEMENT         |  |                                    |
|  | PROPOSED BUILDING                 |  |                                    |
|  | PROPOSED CURB                     |  |                                    |
|  | PROPOSED PAVEMENT STRIPING        |  |                                    |



**ALERT TO CONTRACTOR:**

PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM ENGINEER AND THE OWNER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. ENGINEER AND OWNER SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

**CORE STATES GROUP**

9 GALEN STREET, SUITE 117  
WATER TOWN, MA 02472  
PHONE (617) 576-0007  
ARCSCOE@CORE-STATES.COM

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CLIENT

**Pilot TRAVEL CENTERS**

PILOT TRAVEL CENTERS LLC.  
5508 LONAS ROAD  
KNOXVILLE, TN 37909

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**REVISIONS**

| REV | DATE | COMMENT | BY |
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DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

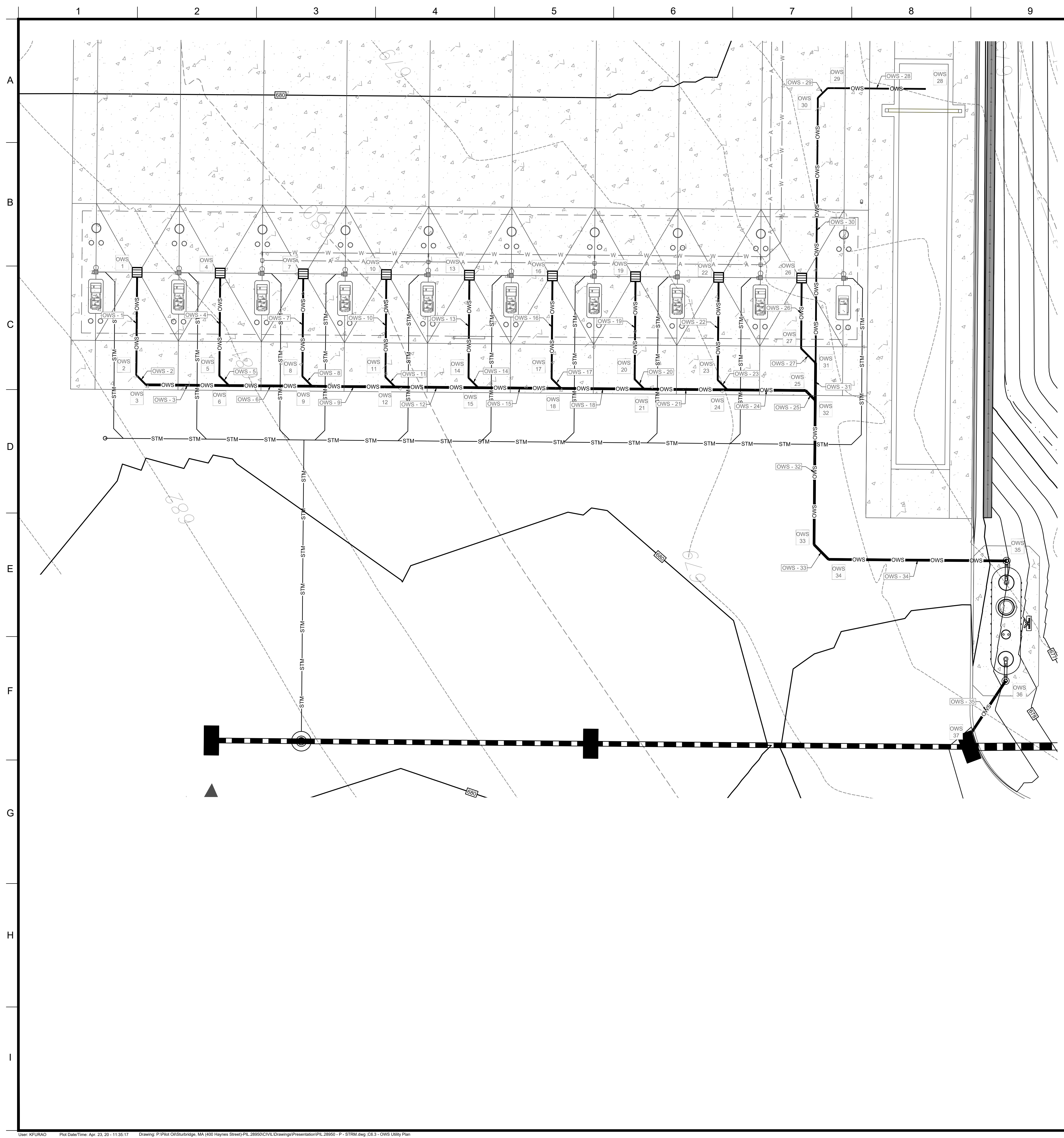
SHEET TITLE  
OVERALL UTILITY PLAN

|             |           |
|-------------|-----------|
| JOB #:      | PIL-28950 |
| DATE:       | 02/10/20  |
| SCALE:      | 1" = 30'  |
| DRAWN BY:   | MP        |
| CHECKED BY: | KGF       |

SHEET NO.  
**C6.1**







| OWS STRUCTURE TABLE |                     |        |                    |                   |                     |                    |                       |                              |                      |
|---------------------|---------------------|--------|--------------------|-------------------|---------------------|--------------------|-----------------------|------------------------------|----------------------|
| STRUCTURE NAME      | STRUCTURE TYPE      | RIM    | UPSTREAM PIPE NAME | UPSTREAM PIPE INV | DOWNSREAM PIPE NAME | DOWNSREAM PIPE INV | DOWNSREAM PIPE LENGTH | DOWNSREAM PIPE SIZE AND TYPE | DOWNSREAM PIPE SLOPE |
| 1                   | CATCH BASIN         | 680.00 |                    |                   | OWS - 1             | 678.00'            | 21.00'                | 4" PVC                       | 2.00%                |
| 2                   | 45° BEND            | 680.14 | OWS - 1            | 677.58'           | OWS - 2             | 677.58'            | 2.83'                 | 4" PVC                       | 2.00%                |
| 3                   | CLEANOUT            | 680.11 | OWS - 2            | 677.52'           | OWS - 3             | 677.36'            | 17.00'                | 6" PVC                       | 1.00%                |
| 4                   | CATCH BASIN         | 680.00 |                    |                   | OWS - 4             | 678.00'            | 21.00'                | 4" PVC                       | 1.50%                |
| 5                   | 45° BEND            | 680.16 | OWS - 4            | 677.69'           | OWS - 5             | 677.68'            | 2.83'                 | 4" PVC                       | 11.72%               |
| 6                   | WYE BEND            | 680.14 | OWS - 3            | 677.19'           | OWS - 6             | 677.19'            | 17.00'                | 6" PVC                       | 1.00%                |
| 7                   | CATCH BASIN         | 680.00 |                    |                   | OWS - 7             | 678.00'            | 21.00'                | 4" PVC                       | 1.50%                |
| 8                   | 45° BEND            | 680.18 | OWS - 7            | 677.69'           | OWS - 8             | 677.68'            | 2.83'                 | 4" PVC                       | 17.73%               |
| 9                   | WYE BEND            | 680.17 | OWS - 6            | 677.02'           | OWS - 9             | 677.02'            | 17.00'                | 6" PVC                       | 1.00%                |
| 10                  | CATCH BASIN         | 680.00 |                    |                   | OWS - 10            | 678.00'            | 21.00'                | 4" PVC                       | 1.50%                |
| 11                  | 45° BEND            | 680.20 | OWS - 10           | 677.69'           | OWS - 11            | 677.68'            | 2.83'                 | 4" PVC                       | 23.74%               |
| 12                  | WYE BEND            | 680.19 | OWS - 9            | 676.85'           | OWS - 12            | 676.85'            | 17.00'                | 6" PVC                       | 1.00%                |
| 13                  | CATCH BASIN         | 680.00 |                    |                   | OWS - 13            | 678.00'            | 21.00'                | 4" PVC                       | 1.50%                |
| 14                  | 45° BEND            | 680.22 | OWS - 13           | 677.69'           | OWS - 14            | 677.68'            | 2.83'                 | 4" PVC                       | 29.75%               |
| 15                  | WYE BEND            | 680.22 | OWS - 12           | 676.68'           | OWS - 15            | 676.68'            | 17.00'                | 6" PVC                       | 1.00%                |
| 16                  | CATCH BASIN         | 680.00 |                    |                   | OWS - 16            | 678.00'            | 21.00'                | 4" PVC                       | 1.50%                |
| 17                  | 45° BEND            | 680.24 | OWS - 16           | 677.69'           | OWS - 17            | 677.68'            | 2.83'                 | 4" PVC                       | 35.76%               |
| 18                  | WYE BEND            | 680.25 | OWS - 15           | 676.51'           | OWS - 18            | 676.51'            | 17.00'                | 6" PVC                       | 1.00%                |
| 19                  | CATCH BASIN         | 680.00 |                    |                   | OWS - 19            | 678.00'            | 21.00'                | 4" PVC                       | 1.50%                |
| 20                  | 45° BEND            | 680.26 | OWS - 19           | 677.69'           | OWS - 20            | 677.68'            | 2.83'                 | 4" PVC                       | 41.77%               |
| 21                  | WYE BEND            | 680.28 | OWS - 18           | 676.34'           | OWS - 21            | 676.34'            | 17.00'                | 6" PVC                       | 1.00%                |
| 22                  | CATCH BASIN         | 680.00 |                    |                   | OWS - 22            | 678.00'            | 21.00'                | 4" PVC                       | 1.50%                |
| 23                  | 45° BEND            | 680.29 | OWS - 22           | 677.69'           | OWS - 23            | 677.68'            | 2.83'                 | 4" PVC                       | 47.79%               |
| 24                  | WYE BEND            | 680.31 | OWS - 21           | 676.17'           | OWS - 24            | 676.17'            | 15.99'                | 6" PVC                       | 1.00%                |
| 25                  | 45° BEND            | 680.33 | OWS - 24           | 676.01'           | OWS - 25            | 676.01'            | 2.83'                 | 6" PVC                       | 1.00%                |
| 26                  | CATCH BASIN         | 680.00 |                    |                   | OWS - 26            | 678.00'            | 14.38'                | 4" PVC                       | 1.50%                |
| 27                  | 45° BEND            | 680.23 | OWS - 26           | 677.78'           | OWS - 27            | 677.78'            | 4.24'                 | 4" PVC                       | 36.90%               |
| 28                  | SUMP                | 680.73 |                    |                   | OWS - 28            | 677.03'            | 20.04'                | 3" PVC                       | 1.00%                |
| 29                  | 45° BEND            | 680.49 | OWS - 28           | 676.83'           | OWS - 29            | 676.83'            | 2.83'                 | 3" PVC                       | 1.00%                |
| 30                  | CLEANOUT            | 680.46 | OWS - 29           | 676.80'           | OWS - 30            | 676.80'            | 54.30'                | 3" PVC                       | 1.00%                |
| 31                  | WYE BEND            | 680.27 | OWS - 30           | 676.22'           | OWS - 31            | 676.05'            | 7.63'                 | 6" PVC                       | 1.00%                |
| 32                  | WYE BEND            | 680.35 | OWS - 25           | 675.98'           | OWS - 32            | 675.98'            | 29.52'                | 6" PVC                       | 1.00%                |
| 33                  | 45° BEND            | 680.41 | OWS - 32           | 675.68'           | OWS - 33            | 675.68'            | 4.24'                 | 6" PVC                       | 1.00%                |
| 34                  | CLEANOUT            | 680.44 | OWS - 33           | 675.64'           | OWS - 34            | 675.64'            | 36.44'                | 6" PVC                       | 1.00%                |
| 35                  | INLET CLEANOUT      | 679.12 | OWS - 34           | 675.28'           |                     |                    |                       |                              |                      |
| 36                  | OUTLET CLEANOUT     | 678.80 |                    |                   | OWS - 35            | 675.02'            | 14.52'                | 6" PVC                       | 1.50%                |
| 37                  | PROPOSED CURB INLET | 678.94 | OWS - 35           | 674.80'           |                     |                    |                       |                              |                      |

**CORE STATES GROUP**  
 9 GALEN STREET, SUITE 117  
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 ARSCOE@CORE-STATES.COM

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CLIENT  
**Pilot TRAVEL CENTERS**

PILOT TRAVEL CENTERS LLC.  
 5508 LONAS ROAD  
 KNOXVILLE, TN 37909

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DOCUMENT  
 SITE PLAN  
 APPROVAL

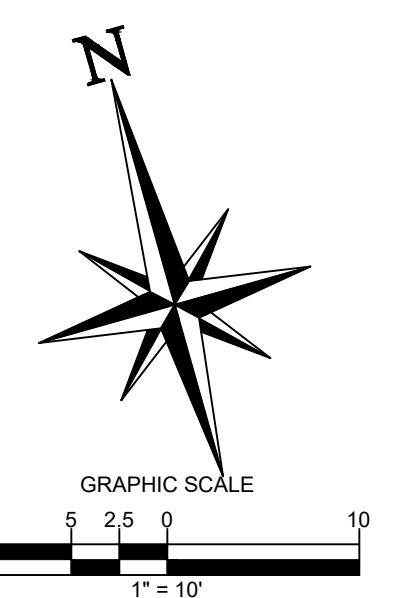
SITE LOCATION  
 400 HAYNES STREET  
 STURBRIDGE, MA 01566

ENGINEER SEAL  
  
 ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

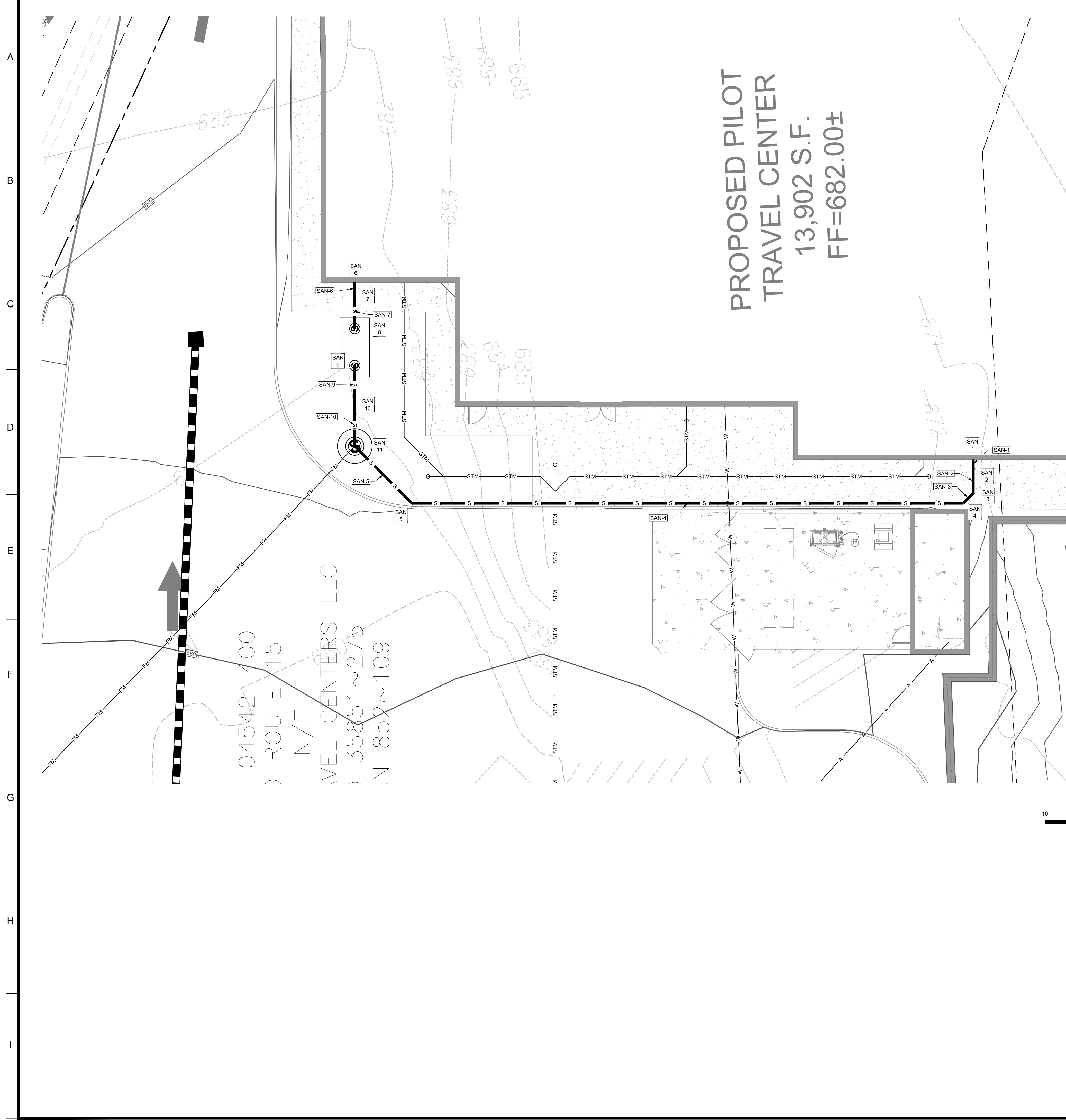
SHEET TITLE  
 OWS UTILITY  
 PLAN

JOB #: PIL-28950  
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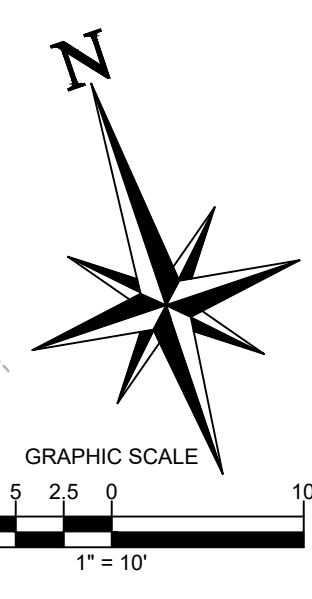
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**C6.3**



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 PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM ENGINEER AND THE OWNER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. ENGINEER AND OWNER SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.



| SANITARY STRUCTURE TABLE |                       |        |                    |                    |                      |                      |                        |                               |                       |
|--------------------------|-----------------------|--------|--------------------|--------------------|----------------------|----------------------|------------------------|-------------------------------|-----------------------|
| STRUCTURE NAME           | STRUCTURE TYPE        | RIM    | UPSTREAM PIPE NAME | UPSTREAM PIPE INV. | DOWNSTREAM PIPE NAME | DOWNSTREAM PIPE INV. | DOWNSTREAM PIPE LENGTH | DOWNSTREAM PIPE SIZE AND TYPE | DOWNSTREAM PIPE SLOPE |
| 1                        | BUILDING STUB         | 681.50 |                    |                    | SAN-1                | 675.00'              | 1.77'                  | 6" SDR-26 PVC                 | 2.00%                 |
| 2                        | DUAL-WAY CLEANOUT     | 681.47 | SAN-1              | 674.96'            | SAN-2                | 674.96'              | 5.03'                  | 6" SDR-26 PVC                 | 2.00%                 |
| 3                        | 45° BEND              | 681.35 | SAN-2              | 674.86'            | SAN-3                | 674.86'              | 2.83'                  | 6" SDR-26 PVC                 | 2.00%                 |
| 4                        | CLEANOUT              | 681.25 | SAN-3              | 674.81'            | SAN-4                | 674.81'              | 111.72'                | 6" SDR-26 PVC                 | 2.00%                 |
| 5                        | 45° BEND              | 681.51 | SAN-4              | 672.57'            | SAN-5                | 672.57'              | 16.36'                 | 6" SDR-26 PVC                 | 2.00%                 |
| 6                        | BUILDING STUB         | 682.00 |                    |                    | SAN-6                | 672.44'              | 2.39'                  | 6" SDR-26 PVC                 | 2.00%                 |
| 7                        | DUAL-WAY CLEANOUT     | 681.98 | SAN-6              | 672.39'            | SAN-7                | 672.39'              | 6.99'                  | 6" SDR-26 PVC                 | 2.00%                 |
| 8                        | GREASE TRAP INLET     | 681.93 | SAN-7              | 672.25'            |                      |                      |                        |                               |                       |
| 9                        | GREASE TRAP OUTLET    | 681.91 |                    |                    | SAN-9                | 672.57'              | 7.86'                  | 6" SDR-26 PVC                 | 2.00%                 |
| 10                       | DUAL-WAY CLEANOUT     | 681.87 | SAN-9              | 672.41'            | SAN-10               | 672.41'              | 8.45'                  | 6" SDR-26 PVC                 | 2.00%                 |
| 11                       | PROPOSED LIFT STATION | 681.79 | SAN-5<br>SAN-10    | 672.25'<br>672.25' |                      |                      |                        |                               |                       |



**CORE STATES GROUP**  
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 AKOSCOE@CORE-STATES.COM

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CLIENT

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 5508 LONAS ROAD  
 KNOXVILLE, TN 37909

**811**  
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THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. CORE STATES, INC. DOES NOT WARRANT THE LOCATION OR DEPTH OF UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF UTILITIES PRIOR TO CONSTRUCTION.

REVISIONS

| REV | DATE | COMMENT | BY |
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DOCUMENT  
 SITE PLAN  
 APPROVAL

SITE LOCATION  
 400 HAYNES STREET  
 STURBRIDGE, MA 01566

ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

SHEET TITLE  
 SANITARY SEWER  
 UTILITY PLAN

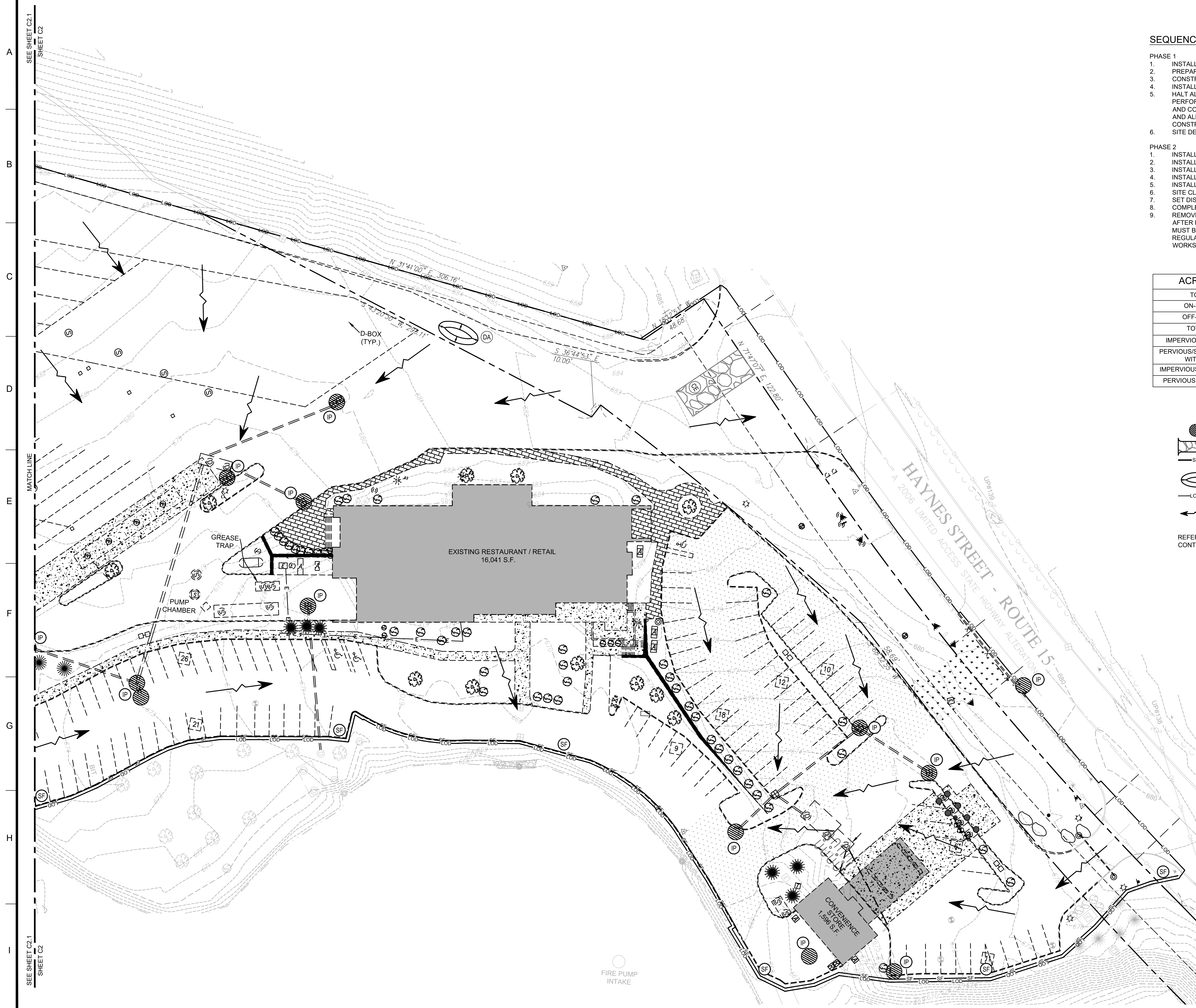
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JOB #: PIL 28950  
 DATE: 02/10/20  
 SCALE: 1" = 30'  
 DRAWN BY: MP  
 CHECKED BY: KGF

SHEET NO.  
**C6.4**





**SEQUENCE OF CONSTRUCTION**

- PHASE 1**
1. INSTALL CONSTRUCTION EXIT AND ADDITIONAL BMP'S.
  2. PREPARE TEMPORARY PARKING AND STORAGE AREA.
  3. CONSTRUCT THE SILT FENCES ON THE SITE.
  4. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES.
  5. HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEERING CONSULTANT TO PERFORM INSPECTION OF BMP'S. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
  6. SITE DEMOLITION/CLEARING.
- PHASE 2**
1. INSTALL TANKS.
  2. INSTALL CANOPY AND BUILDING.
  3. INSTALL PIPING, ELECTRICAL AND UTILITIES.
  4. INSTALL CURBS AND ISLANDS.
  5. INSTALL PAVING.
  6. SITE CLEAN UP.
  7. SET DISPENSERS AND CALIBRATE.
  8. COMPLETE GRADING AND INSTALL LANDSCAPING.
  9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AFTER FINAL STABILIZATION. TEMPORARY EROSION CONTROL MEASURES MUST BE REMOVED IN ACCORDANCE WITH EROSION AND SEDIMENT CONTROL REGULATIONS, HAS BEEN APPROVED BY THE CITY OF COCOA'S PUBLIC WORKS DEPARTMENT OR THE BUILDING INSPECTION DEPARTMENT.

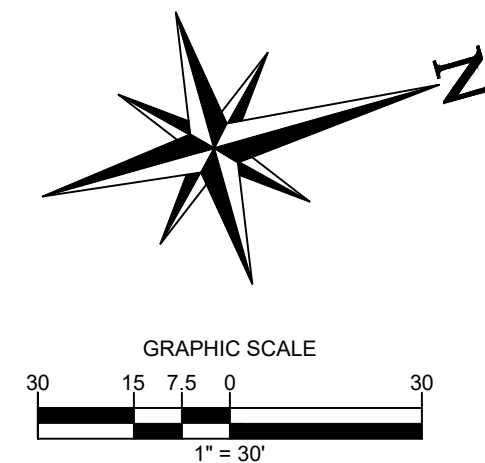
**ACREAGE SUMMARY (IN ACRES)**

|                                                        |       |
|--------------------------------------------------------|-------|
| TOTAL PROJECT AREA                                     | 30.71 |
| ON-SITE DISTURBED AREA                                 | 8.906 |
| OFF-SITE DISTURBED AREA                                | 0.211 |
| TOTAL DISTURBED AREA                                   | 9.117 |
| IMPERVIOUS AREA WITHIN PROPERTY                        | 6.557 |
| PERVIOUS/SEEDED AREA AT COMPLETION WITHIN THE PROPERTY | 2.349 |
| IMPERVIOUS AREA WITHIN RIGHT-OF-WAY                    | 0.097 |
| PERVIOUS AREA WITHIN RIGHT-OF-WAY                      | 0.114 |

**E&S PLAN LEGEND**

- IP INLET PROTECTION
- CE CONSTRUCTION ENTRANCE
- SF SILT FENCE
- 8" DEPRESSED AREA FOR WASHDOWN
- LOD LIMITS OF DISTURBANCE
- DIRECTION OF OVERLAND FLOW

REFER TO SHEET CX AND CX FOR EROSION CONTROL DETAILS

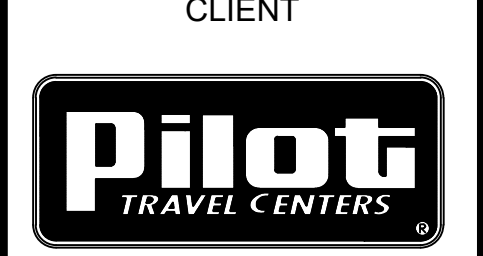


**ALERT TO CONTRACTOR:**

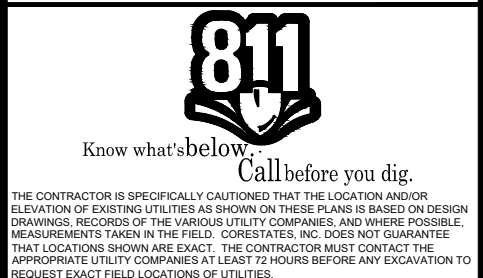
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**CORE STATES GROUP**  
 9 GALEN STREET, SUITE 117  
 WATERTOWN, MA 02472  
 PHONE (617) 576-0007  
 AKOSCOE@CORE-STATES.COM

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**CLIENT**  
**Pilot TRAVEL CENTERS LLC.**  
 5508 LONAS ROAD  
 KNOXVILLE, TN 37909



**REVISIONS**

| REV | DATE | COMMENT | BY |
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**DOCUMENT**  
 SITE PLAN APPROVAL

**SITE LOCATION**  
 400 HAYNES STREET  
 STURBRIDGE, MA 01566

**ENGINEER SEAL**

ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

**SHEET TITLE**  
 PHASE 1 SOIL EROSION AND SEDIMENT CONTROL

|             |           |
|-------------|-----------|
| JOB #:      | PIL 28950 |
| DATE:       | 02/10/20  |
| SCALE:      | 1" = 30'  |
| DRAWN BY:   | MP        |
| CHECKED BY: | KGF       |

SHEET NO.  
**C7.0**



**SEQUENCE OF CONSTRUCTION**

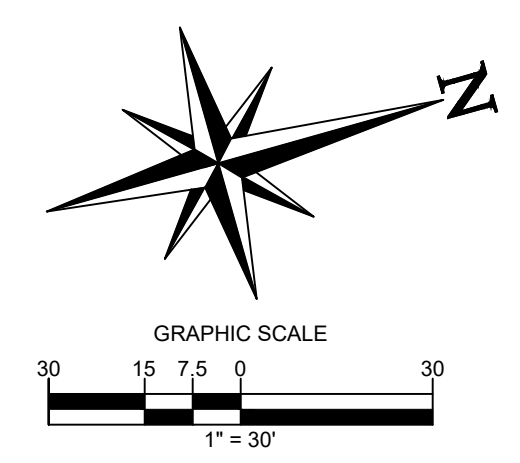
- PHASE 1**
1. INSTALL CONSTRUCTION EXIT AND ADDITIONAL BMP'S.
  2. PREPARE TEMPORARY PARKING AND STORAGE AREA.
  3. CONSTRUCT THE SILT FENCES ON THE SITE.
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  5. HALT ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEERING CONSULTANT TO PERFORM INSPECTION OF BMP'S. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
  6. SITE DEMOLITION/CLEARING.
- PHASE 2**
1. INSTALL TANKS.
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**ACREAGE SUMMARY (IN ACRES)**

|                                                           |       |
|-----------------------------------------------------------|-------|
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| PERVIOUS AREA WITHIN RIGHT-OF-WAY                         | 0.114 |

**E&S PLAN LEGEND**

- INLET PROTECTION
  - CONSTRUCTION ENTRANCE
  - SILT FENCE
  - 8" DEPRESSED AREA FOR WASHDOWN
  - LIMITS OF DISTURBANCE
  - DIRECTION OF OVERLAND FLOW
- REFER TO SHEET CX AND CX FOR EROSION CONTROL DETAILS



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PHONE (617) 576-0007  
ARCSCOE@CORE-STATES.COM

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CLIENT

**Pilot TRAVEL CENTERS**

PILOT TRAVEL CENTERS LLC.

5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**

Know what's below. Call before you dig.

**REVISIONS**

| REV | DATE | COMMENT | BY |
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DOCUMENT

**SITE PLAN APPROVAL**

SITE LOCATION

400 HAYNES STREET  
STURBRIDGE, MA 01566

ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

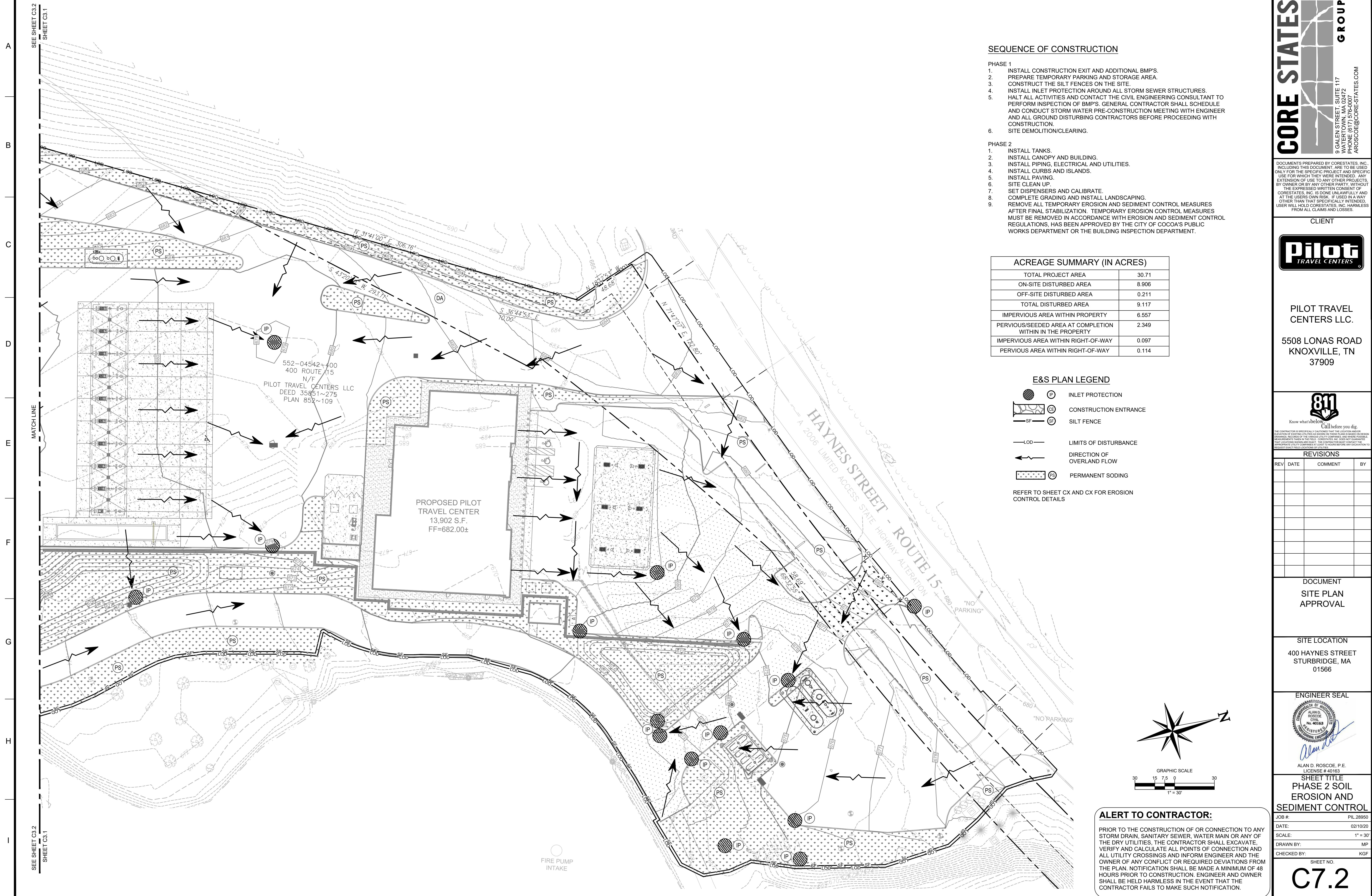
SHEET TITLE

**PHASE 1 SOIL EROSION AND SEDIMENT CONTROL**

JOB #: PIL 28950  
DATE: 02/10/20  
SCALE: 1" = 30'  
DRAWN BY: MP  
CHECKED BY: KGF

SHEET NO.

**C7.1**



**SEQUENCE OF CONSTRUCTION**

- PHASE 1**
1. INSTALL CONSTRUCTION EXIT AND ADDITIONAL BMP'S.
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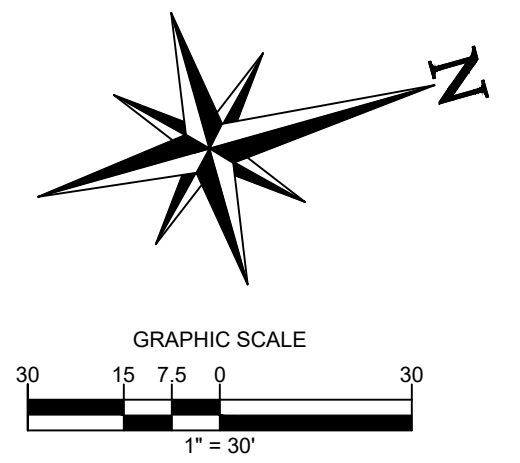
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**E&S PLAN LEGEND**

- IP INLET PROTECTION
- CE CONSTRUCTION ENTRANCE
- SF SILT FENCE
- LOD LIMITS OF DISTURBANCE
- DIRECTION OF OVERLAND FLOW
- PS PERMANENT SODDING

REFER TO SHEET CX AND CX FOR EROSION CONTROL DETAILS



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CLIENT

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PILOT TRAVEL CENTERS LLC.  
5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**  
Know what's below. Call before you dig.

**REVISIONS**

| REV | DATE | COMMENT | BY |
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DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

SHEET TITLE  
PHASE 2 SOIL  
EROSION AND  
SEDIMENT CONTROL

|             |           |
|-------------|-----------|
| JOB #:      | PIL 28950 |
| DATE:       | 02/10/20  |
| SCALE:      | 1" = 30'  |
| DRAWN BY:   | MP        |
| CHECKED BY: | KGF       |

SHEET NO.  
**C7.2**



SHEET C3.2  
SEE SHEET C3.1

MATCH LINE

SHEET C3.2  
SEE SHEET C3.1

**SEQUENCE OF CONSTRUCTION**

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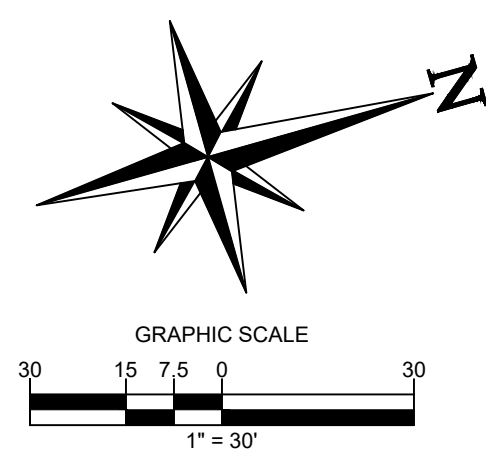
**ACREAGE SUMMARY (IN ACRES)**

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**E&S PLAN LEGEND**

- INLET PROTECTION
- CONSTRUCTION ENTRANCE
- SILT FENCE
- LIMITS OF DISTURBANCE
- DIRECTION OF OVERLAND FLOW

REFER TO SHEET CX AND CX FOR EROSION CONTROL DETAILS



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CENTERS LLC  
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CLIENT

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PILOT TRAVEL CENTERS LLC.  
5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**  
Know what's below. Call before you dig.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON RECORD DRAWINGS. RECORDS OF THE PUBLIC UTILITIES ARE SUBJECT TO CHANGE WITHOUT NOTICE. MEASUREMENTS TAKEN IN THE FIELD. CORE STATES, INC. DOES NOT WARRANT THE LOCATION SHOWN OR THE DEPTHS SHOWN. THE CONTRACTOR SHALL CONTACT THE UTILITY LOCATOR PRIOR TO CONSTRUCTION TO VERIFY THE LOCATION AND DEPTHS OF UTILITIES.

**REVISIONS**

| REV | DATE | COMMENT | BY |
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DOCUMENT  
SITE PLAN  
APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

ENGINEER SEAL

ALAN D. ROSCOE, P.E.  
LICENSE # 40163

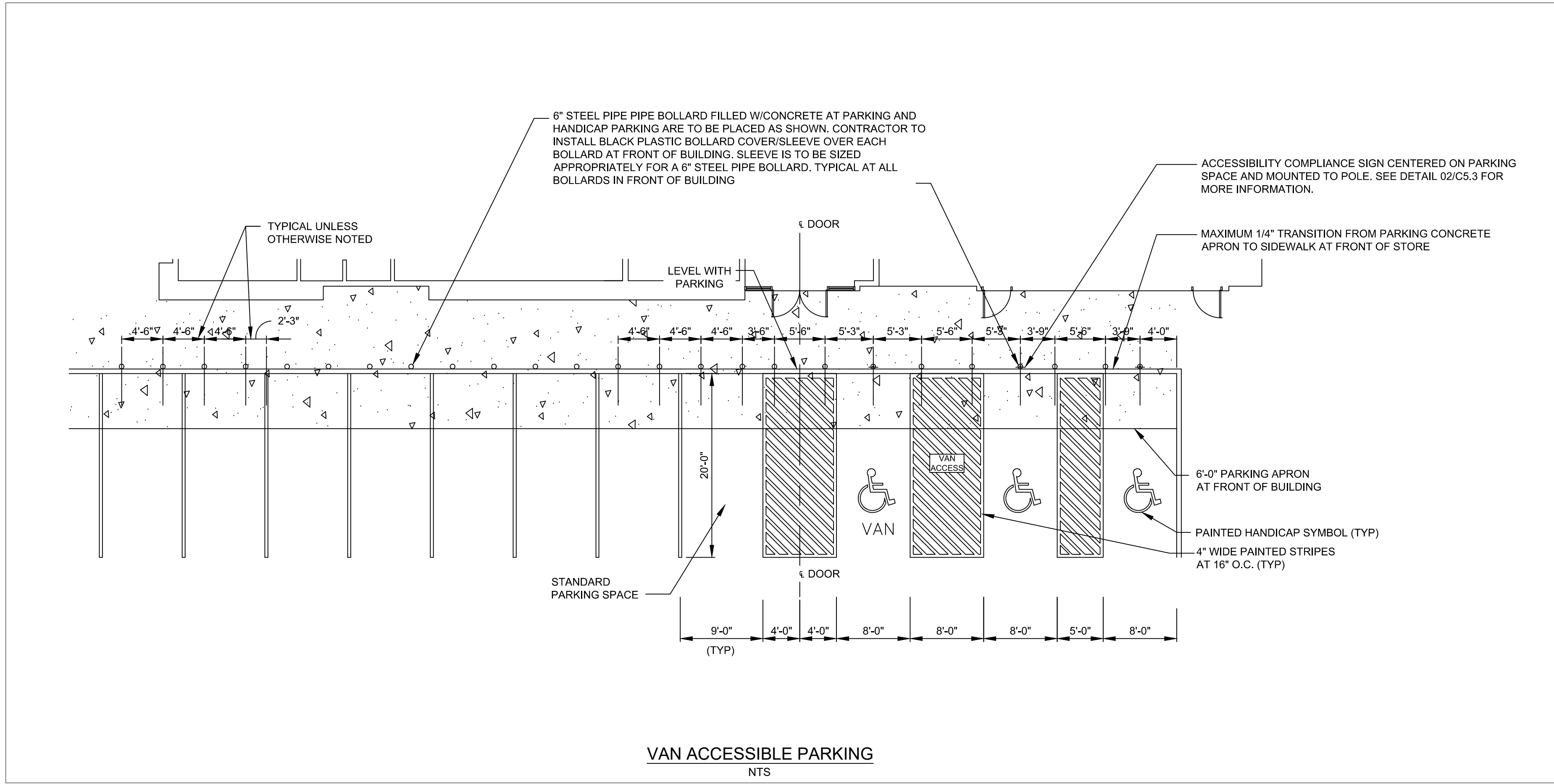
SHEET TITLE  
PHASE 2 SOIL  
EROSION &  
SEDIMENT CONTROL

JOB #: PIL 28950  
DATE: 02/10/20  
SCALE: 1" = 30'  
DRAWN BY: MP  
CHECKED BY: KGF

SHEET NO.  
**C7.3**

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CLIENT  
  
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 5508 LONAS ROAD  
 KNOXVILLE, TN  
 37909

Know what's below. Call before you dig.  
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR DEPTH OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE RECORD PLANS OF THE UTILITY (TYP) COMPANY AND SHOULD BE VERIFIED BY MEASUREMENTS TAKEN IN THE FIELD. CORE STATES, INC. DOES NOT WARRANT THE LOCATION OR DEPTH OF EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY TO VERIFY THE LOCATION AND DEPTH OF UTILITIES PRIOR TO CONSTRUCTION TO AVOID DAMAGE TO UTILITIES OR PERSONS.

| REVISIONS |      |         |    |
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| REV       | DATE | COMMENT | BY |
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DOCUMENT  
**SITE PLAN APPROVAL**

SITE LOCATION  
 400 HAYNES STREET  
 STURBRIDGE, MA  
 01566

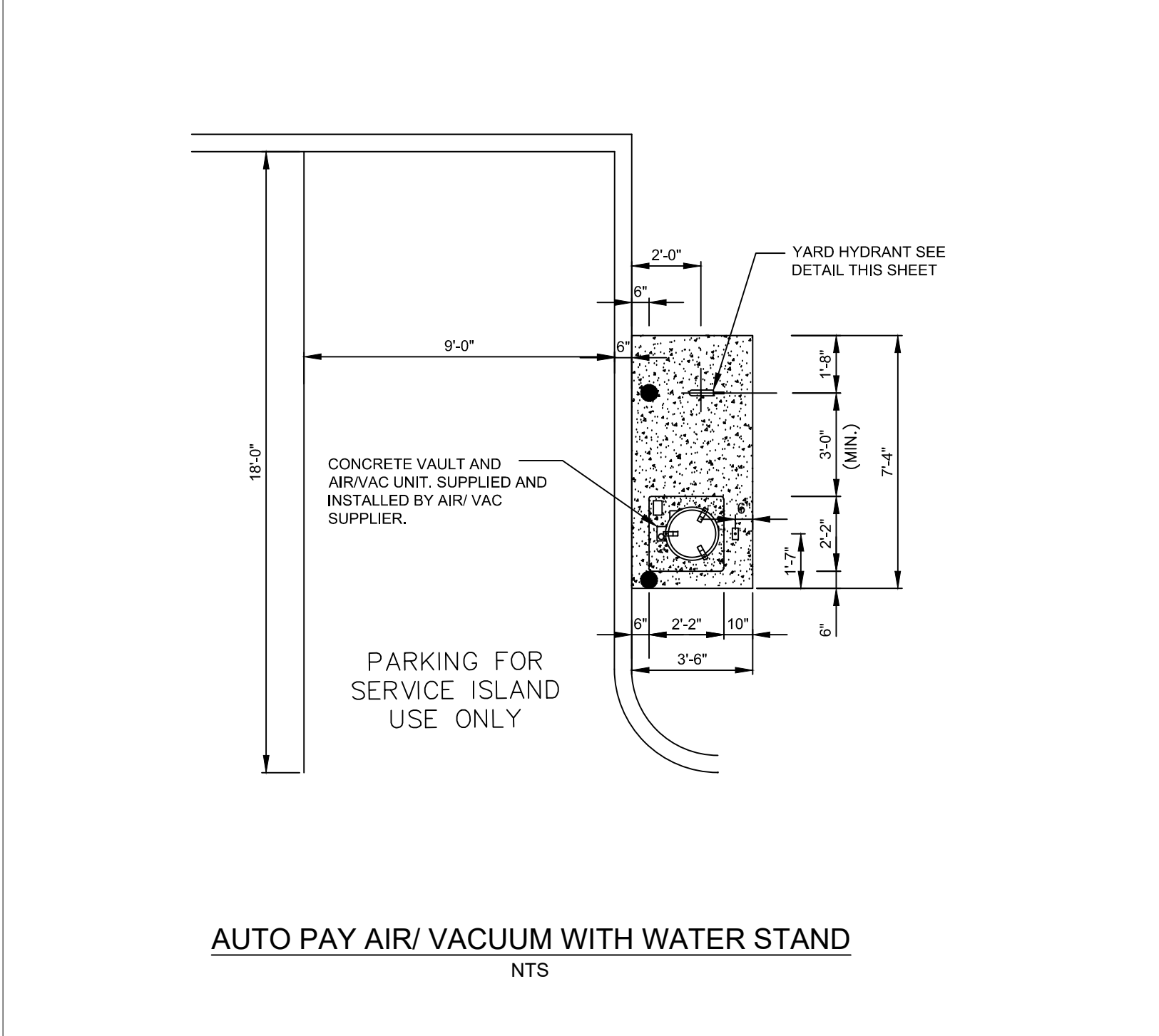
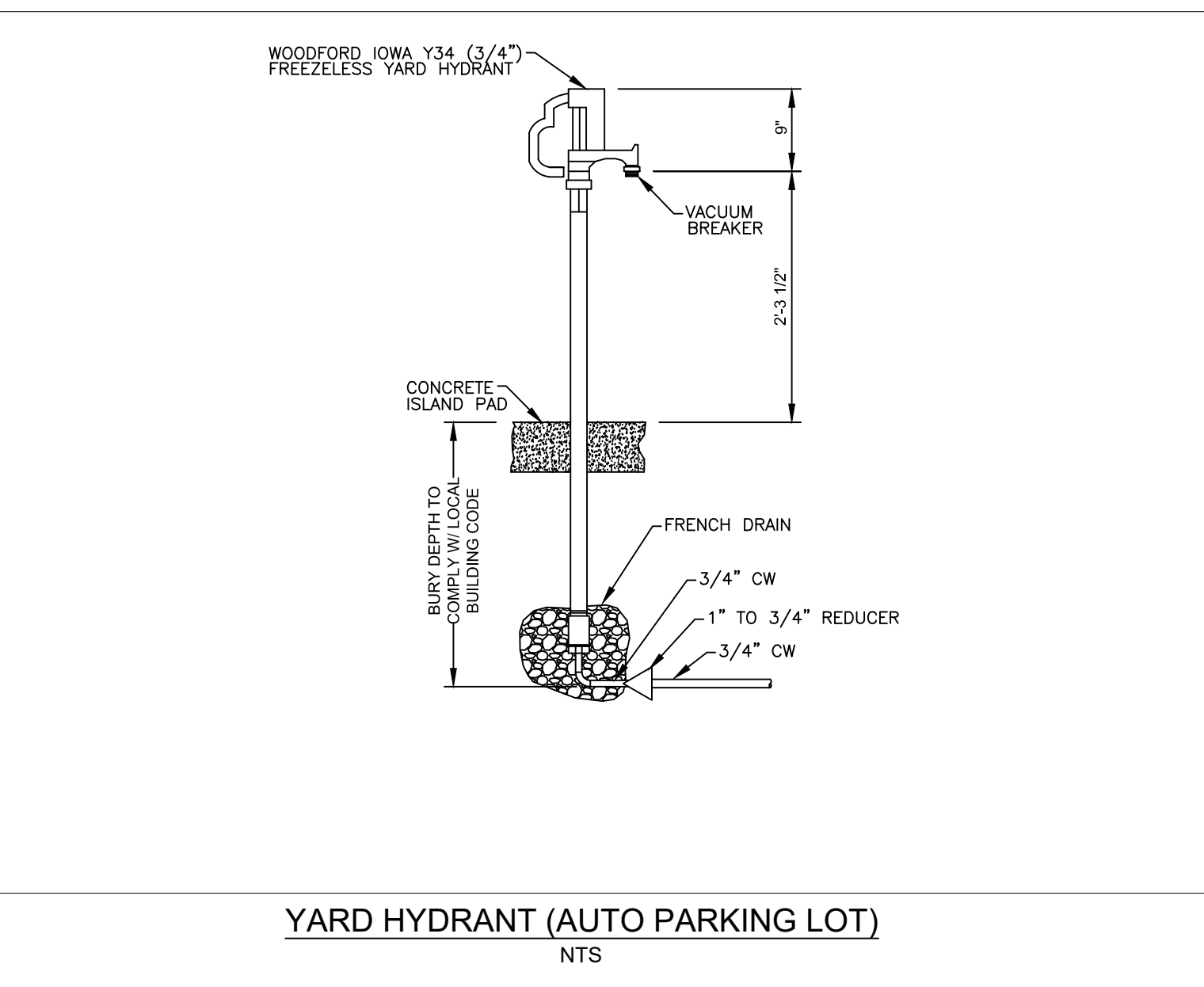
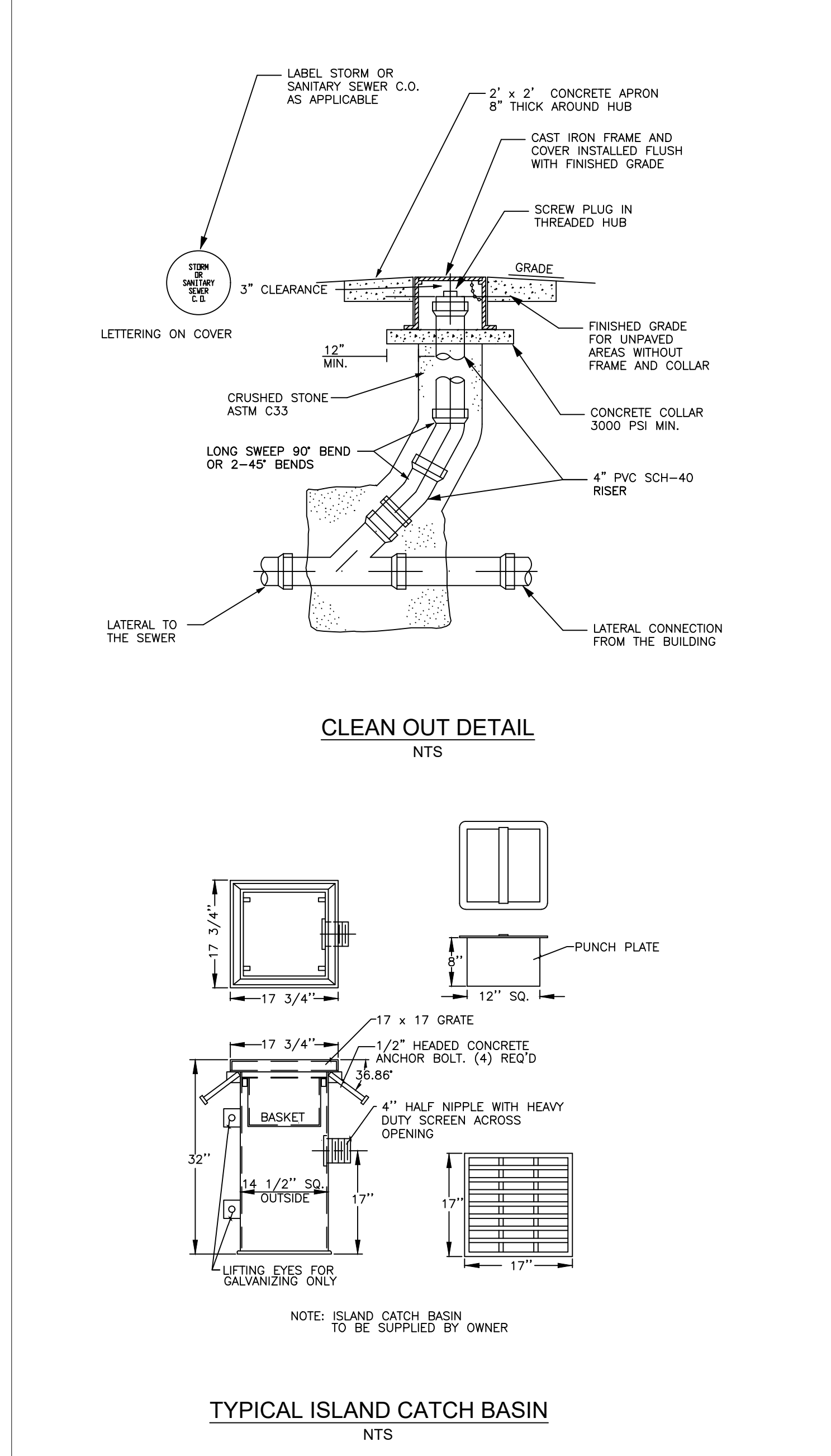
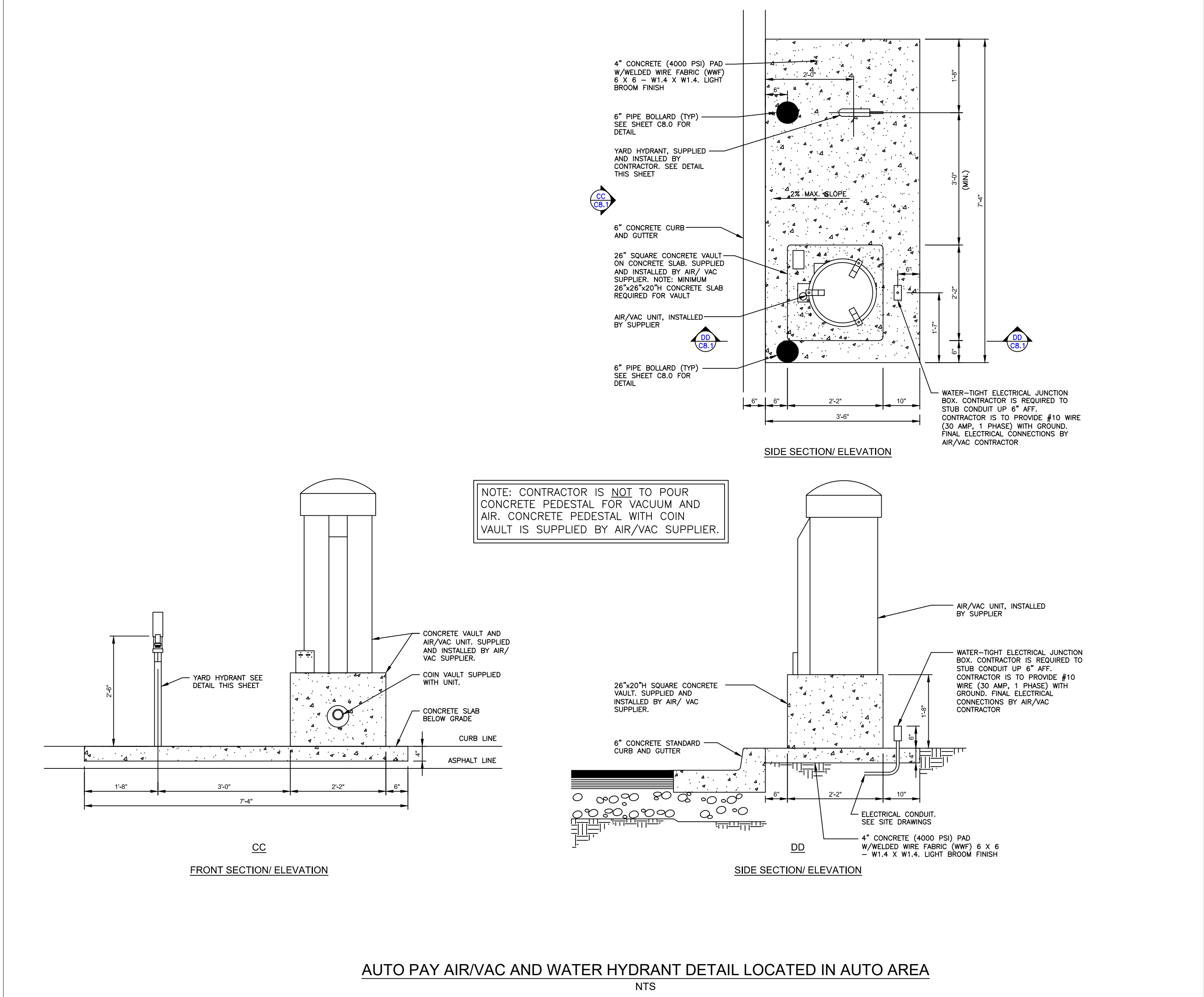
ENGINEER SEAL  
  
 ALAN D. ROSCOE, P.E.  
 LICENSE # 40163

SHEET TITLE  
**CONSTRUCTION DETAILS**

JOB #: PIL 28950  
 DATE: 02/10/20  
 SCALE: NTS  
 DRAWN BY: MP  
 CHECKED BY: KGF

SHEET NO.  
**C8.0**

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**CORE STATES GROUP**

9 GALEN STREET, SUITE 117  
WATER TOWN, MA 02472  
PHONE (617) 576-0007  
ARCSCOE@CORE-STATES.COM

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**CLIENT**

**Pilot TRAVEL CENTERS**

**PILOT TRAVEL CENTERS LLC.**

5508 LONAS ROAD  
KNOXVILLE, TN 37909

**811**

Know what's below. Call before you dig.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE BASED ON RECORD DRAWINGS OF THE UTILITY PROVIDER AND SHOULD BE VERIFIED BY MEASUREMENTS TAKEN IN THE FIELD. CORESTATES, INC. DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE CONTRACTOR MUST CONTACT THE UTILITY PROVIDER TO VERIFY THE LOCATION AND DEPTH OF UTILITIES BEFORE ANY CONSTRUCTION TO BEGINS.

**REVISIONS**

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**DOCUMENT**  
**SITE PLAN**  
**APPROVAL**

**SITE LOCATION**  
400 HAYNES STREET  
STURBRIDGE, MA  
01566

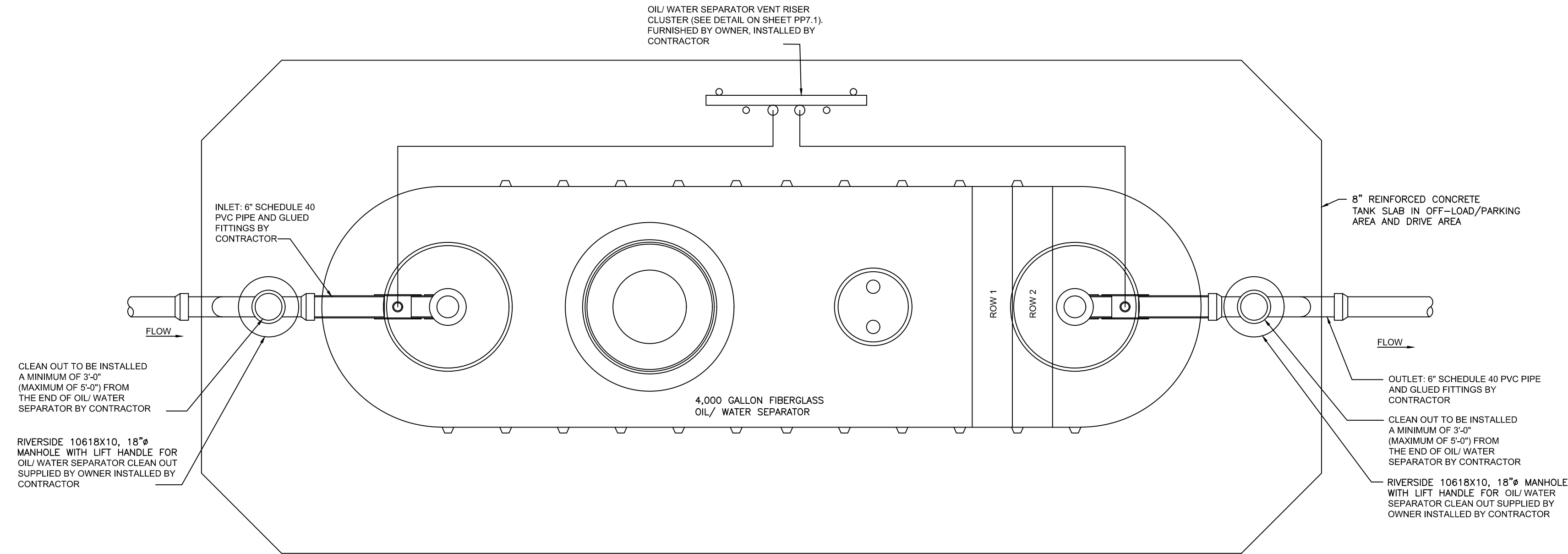
**ENGINEER SEAL**

**ALAN D. ROSCOE, P.E.**  
LICENSE # 40163

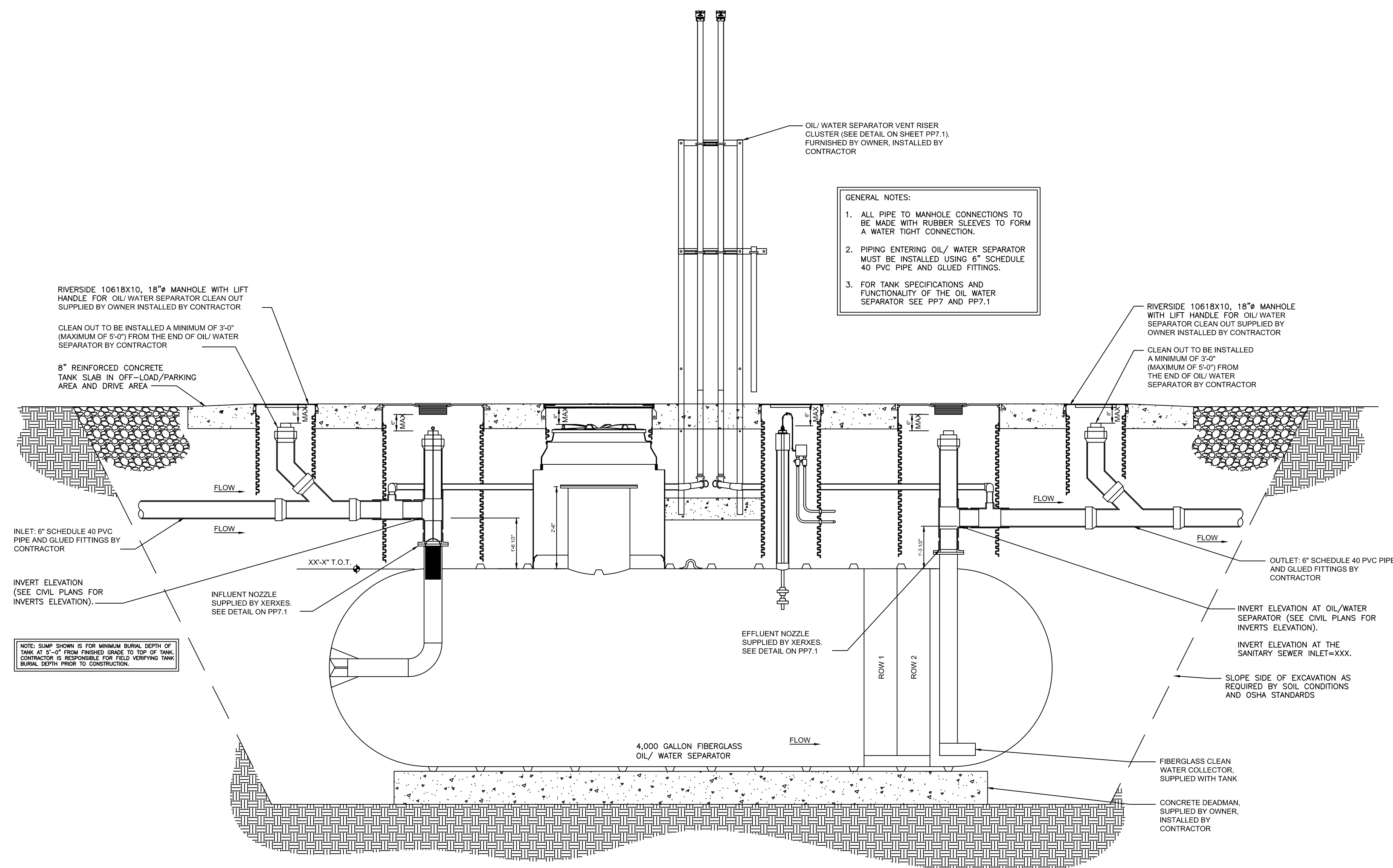
**SHEET TITLE**  
**CONSTRUCTION**  
**DETAILS**

JOB #: PIL 28950  
DATE: 02/10/20  
SCALE: NTS  
DRAWN BY: MP  
CHECKED BY: KGF

SHEET NO.  
**C8.1**



TANK PLAN VIEW  
NTS



ELEVATION

SIDE SECTION  
NTS

- GENERAL NOTES:
1. ALL PIPE TO MANHOLE CONNECTIONS TO BE MADE WITH RUBBER SLEEVES TO FORM A WATER TIGHT CONNECTION.
  2. PIPING ENTERING OIL/WATER SEPARATOR MUST BE INSTALLED USING 6" SCHEDULE 40 PVC PIPE AND GLUED FITTINGS.
  3. FOR TANK SPECIFICATIONS AND FUNCTIONALITY OF THE OIL WATER SEPARATOR SEE PP7 AND PP7.1

NOTE: SLAB SHOWN IS FOR MINIMUM BURIAL DEPTH OF TANK AT 3'-0" FROM FINISHED GRADE TO TOP OF TANK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING TANK BURIAL DEPTH PRIOR TO CONSTRUCTION.

**CORE STATES GROUP**

9 GALEN STREET, SUITE 117  
WATER TOWN, MA 02472  
PHONE (617) 576-0007  
ARCSCOE@CORE-STATES.COM

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DOCUMENT  
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APPROVAL

SITE LOCATION  
400 HAYNES STREET  
STURBRIDGE, MA 01566

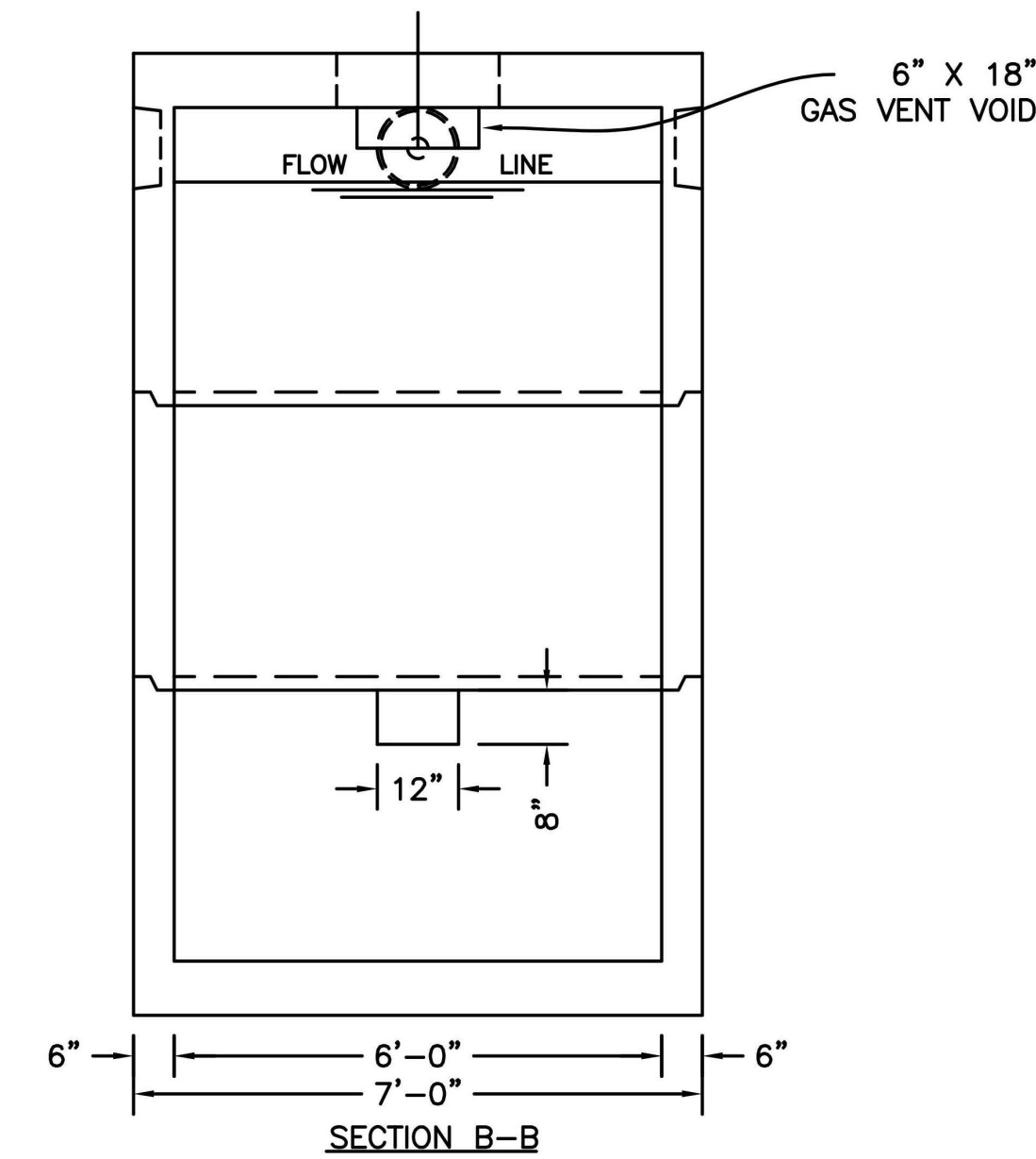
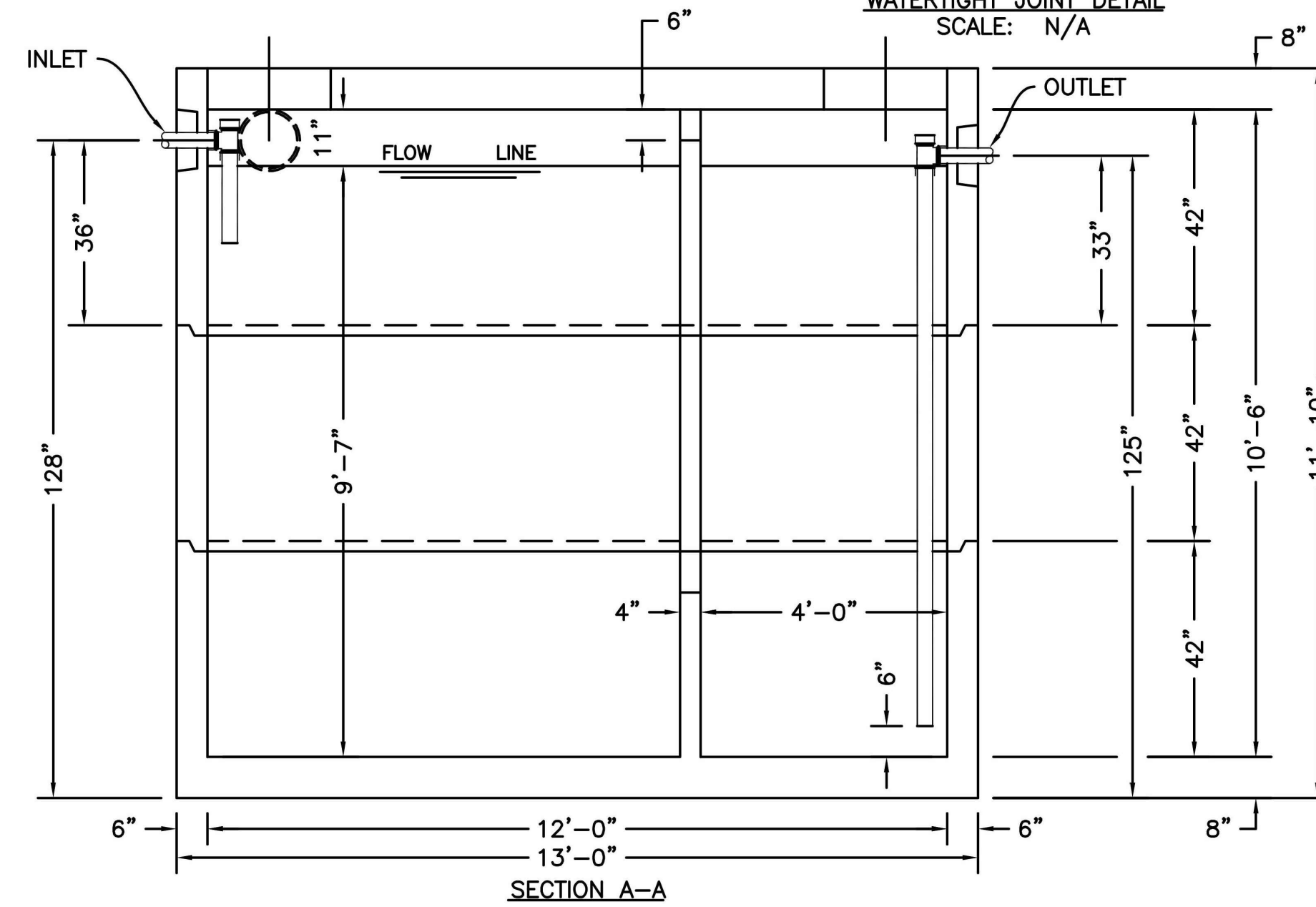
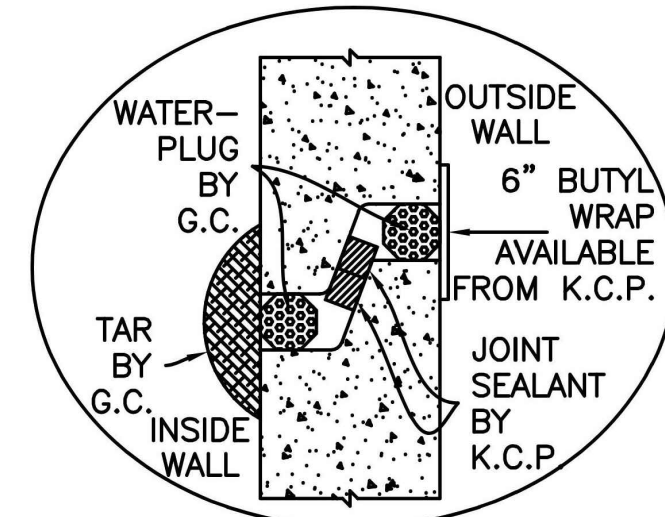
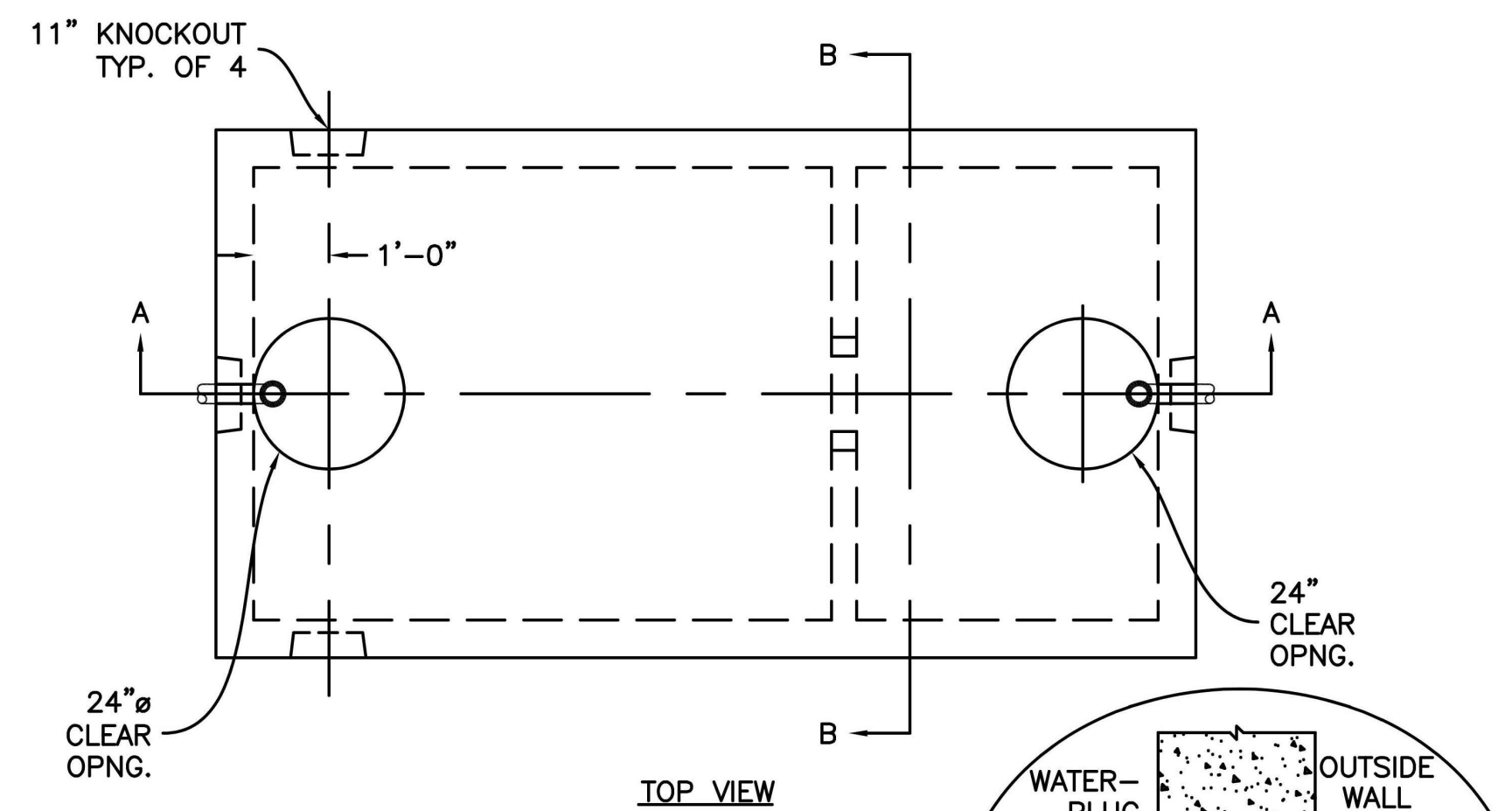
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SHEET NO.  
**C8.2**



OIL WATER SEPARATOR DETAIL  
NTS

**SP-7A**  
**SPECIFICATIONS:**  
 CONCRETE: 5,000 P.S.I. @ 28 DAYS.  
 ENTRAINED AIR: 5% - 8%.  
 STEEL: A.S.T.M. A496-A615 GRADE 60-80 KSI.  
**DESIGN LOADING:** ACI 318-99 TRAFFIC. USE ACI LOAD FACTORS. A.A.S.H.T.O. METHOD OF DESIGN. EQUIVALENT SOIL PRESSURE OF 40 (PCF).

**LIVE LOAD:** H2O.  
**EARTH FILL:** 0 TO 4'.  
**WATER TABLE:** 3' BELOW GRADE.

**WEIGHT:**  
 TOP SECTION: 20,704 LBS.  
 MID-SECTION: 11,935 LBS.  
 BOTTOM SECTION: 22,000 LBS.  
 TOTAL: 54,639 LBS.

**PIPING:** TEES, DROP LEGS & FITTINGS SUPPLIED AND INSTALLED BY G.C.

WATERTIGHT ASSEMBLY IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. ASK FOR KISTNER "WATERTIGHT JOINT INSTALLATION" DETAIL.

- PIPE OPENINGS STOCK:**
- PIPE SEALS REQUIRED
    - 4" PVC - OPENING WITH SEAL - STOCK
    - 6" PVC - OPENING STOCK - SEAL TO BE INSTALLED
    - 8" PVC - OPENING STOCK - SEAL TO BE INSTALLED
  - GROUTED OPENINGS ONLY - REQUIRED
    - 4" PVC - OPENING WITH SEAL - STOCK
    - 6" PVC - STOCK KNOCKOUT TO BE BROKEN OUT BY CONTRACTOR
    - 8" PVC - STOCK KNOCKOUT TO BE BROKEN OUT BY CONTRACTOR



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37909



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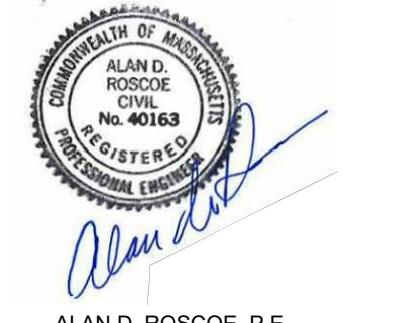
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ENGINEER SEAL



ALAN D. ROSCOE, P.E.  
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SHEET TITLE  
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|             |           |
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| SCALE:      | NTS       |
| DRAWN BY:   | MP        |
| CHECKED BY: | KGf       |

SHEET NO.  
**C8.3**