## 1.) PROPERTY LINES/SITE FEATURES ARE THE RESULT OF AN ON THE GROUND SURVEY PERFORMED BY SUMMIT ENGINEERING & SURVEY, INC.

- 2.) ALL MATERIALS AND CONSTRUCTION PRACTICES SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE TOWN OF STURBRIDGE'S DEPARTMENT OF PUBLIC WORKS & PARKS STANDARD SPECIFICATIONS & DETAILS, UNLESS OTHERWISE SPECIFIED BY LOCAL AUTHORITY OR THE ENGINEER.
- 3.) THE CONTRACTOR SHALL UTILIZE ALL MEASURES AND MATERIALS NECESSARY TO ENSURE THE SAFETY OF ALL PERSONS AND PROPERTIES AT THE SITE DURING CONSTRUCTION. ALL EXCAVATIONS SHALL CONFORM TO CURRENT OSHA STANDARDS.
- 4.) UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS SHALL BE DRESSED WITH A MINIMUM OF FOUR INCHES (4") OF LOAM AND SHALL BE SEEDED WITH AN APPROVED GRASS MIX.
- 5.) THE CONTRACTOR SHALL PROVIDE APPROPRIATE EROSION AND SEDIMENTATION CONTROL MEASURES AT ALL TIMES. DEWATERING OPERATIONS SHALL BE PROVIDED, IF REQUIRED; ALL DISCHARGE SHALL PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON WATER BODIES, BORDERING VEGETATED WETLANDS, DRAINAGE SYSTEMS AND ABUTTING PROPERTIES.
- 6.) DISTURBED AREAS SHALL BE STABILIZED BY LOAMING AND SEEDING SOON AFTER THE FINISHED GRADE HAS BEEN MET. IF FINAL GRADING DOES NOT OCCUR DURING THE GROWING SEASON, THESE AREAS SHALL BE MULCHED WITH HAY SECURED BY WEIGHTED SNOW FENCE, CHICKEN WIRE MESH OR JUTE NETTING WITH STAPLES. SEED FOR PERMANENT GRASS COVER SHOULD BE ACCORDING TO SOIL CONSERVATION SERVICE GUIDELINES FOR SOIL AND MOISTURE CONDITIONS FOUND ON THE SITE.
- 7.) SEDIMENTATION CONTROL FENCE AND/OR STRAW BALES SHALL BE MAINTAINED UNTIL ALL SLOPES HAVE BEEN STABILIZED AND THERE IS NO DANGER OF EROSION DIRECTLY ONTO ABUTTING PROPERTIES.
- 8.) PRIOR TO INITIATING CONSTRUCTION, SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED. THE CONTRACTOR SHALL MAINTAIN THE DEVICES UNTIL ALL WORK IS COMPLETE AND ALL AREAS HAVE BEEN STABILIZED.
- 9.) IF THE PROPOSED ROADWAY AREAS ARE NOT PAVED IMMEDIATELY AFTER THE INSTALLATION OF THE DRAINAGE STRUCTURES, HAY BALES SHALL BE PLACED TO PROTECT THE INTEGRITY OF THE STRUCTURES.
- 10.) THE LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES ARE BASED ON FIELD AND RECORD INFORMATION. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR THAT ALL UTILITIES AND SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY SIZE, LOCATION AND INVERT ELEVATIONS OF STRUCTURES AND UTILITIES, AS REQUIRED PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH RECORD DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. PRIOR TO, AND DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE LOCAL UTILITY COMPANIES, WITH THE TOWN OF STURBRIDGE'S HIGHWAY DEPARTMENT, OTHER TOWN UTILITY DEPARTMENTS, APPLICABLE PRIVATELY OWNED UTILITY COMPANIES AND DIG-SAFE (1-888-344-7233) TO VERIFY UTILITY LOCATION AND TO PROTECT UTILITIES DURING AND AFTER CONSTRUCTION.
- 11.) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH THE APPROPRIATE HIGHWAY AND UTILITY DEPARTMENTS. CONTRACTOR SHALL MAINTAIN ALL EXISTING AND NEWLY INSTALLED UTILITIES IN GOOD WORKING ORDER AND SHALL PROTECT THEM FROM DAMAGE AT ALL TIMES UNTIL THE WORK IS COMPLETED AND ACCEPTED.
- 12.) THE CONTRACTOR SHALL PROVIDE FOR ALL TRAFFIC CONTROL IN ACCORDANCE WITH THE TOWN OF STURBRIDGE REQUIREMENTS.
- 13.) NO TRENCHES SHALL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
- 14.) ALL POTABLE WATER AND SANITARY BUILDING SERVICE CONNECTIONS SHALL BE SEPARATED HORIZONTALLY BY A MINIMUM OF TEN FEET.

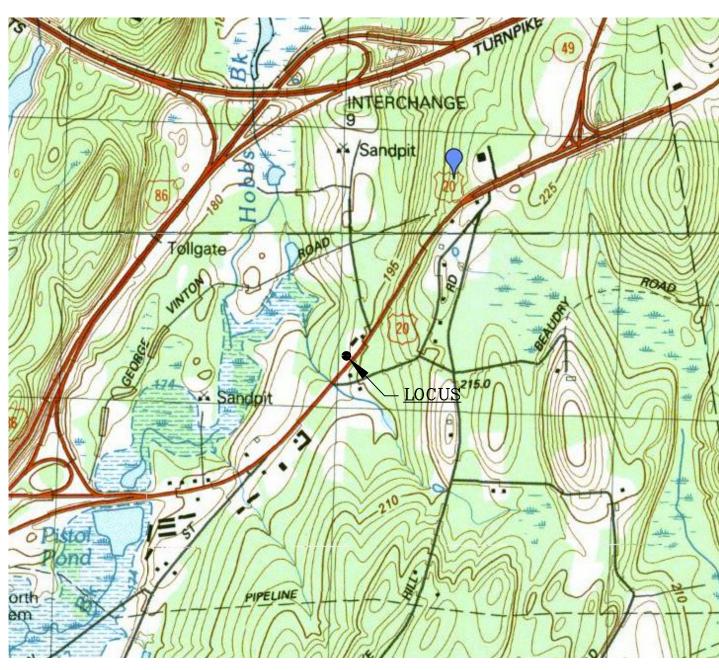
15.) TREE WORK MUST BE COMPLETED BY COMPANIES HOLDING CURRENT COMPLIANCE AGREEMENTS WITH THE MASSACHUSETTS LONGHORNED BEETLE ERADICATION PROJECT. ANY COMPANY CAN BECOME COMPLIANT BY ATTENDING A TRAINING SESSION AT THE PROGRAM OFFICE IN WORCESTER, MA.



UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE, AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT EVIDENT OR FOR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS (IN ACCORDANCE WITH MASS.G.L. CHAPTER 82 SECTION 40 AS AMENDED) MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. ALSO, CALL "DIG-SAFE" AT 1(888)344-7233 j1(888)DIG-SAFE!.

EXISTING LINES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK, AND TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES.

# DEFINITIVE SITE PLAN at 150 CHARLTON ROAD (ROUTE 20) STURBRIDGE, MA



LOCUS MAP
1"=2000'

### LIST OF DRAWINGS:

SHEET - 1 COVER SHEET

SHEET - 2 EXISTING CONDITIONS

SHEET - 3 LAYOUT & MATERIALS PLAN

SHEET - 4 GRADING PLAN

SHEET - 5 UTILITY & DRAINAGE PLAN
SHEET - 6 EROSION & SEDIMENTATION CONTROL PLAN
SHEET - 7 LANDSCAPE PLAN

SHEET - 7 LANDSCAPE PLAN SHEET - 8 LIGHTING PLAN

SHEET - 9 CONSTRUCTION DETAIL SHEET#1
SHEET - 10 CONSTRUCTION DETAIL SHEET#2
SHEET - 11 CONSTRUCTION DETAIL SHEET#3

INDUSTRIAL PARK ZONING DISTRICT: PROVIDED REQUIRED 87,120 S.F. (2 Ac.) MINIMUM AREA: 269,200 S.F. (6.18 Ac.) MINIMUM FRONTAGE: MINIMUM SET BACK FRONT: SIDE: MAXIMUM LOT COVERAGE: 33% MAXIMUM IMPERVIOUS AREA 70% 17.5% MAXIMUM BUILDING HEIGHT

<u>PLAN NOTES:</u>

PLAN BOOK 187 PLAN 21 PLAN BOOK 799 PLAN 121 PLAN BOOK 562 PLAN 14 PLAN BOOK 631 PLAN 29

### PLAN NOTES:

- 1.) TOPOGRAPHY SHOWN IS THE RESULT OF AN ON THE GROUND SURVEY PERFORMED BY SUMMIT ENGINEERING & SURVEY, INC. IN OCTOBER & NOVEMBER 2020.
- 2.) THE BORDERING VEGETATED WETLANDS SHOWN WERE FLAGGED BY GLENN KREVOSKY OF EBT ENVIRONMENTAL CONSULTANTS, INC. IN OCTOBER 2020 AND LOCATED BY MEANS OF AN ON THE GROUND SURVEY PERFORMED BY SUMMIT ENGINEERING & SURVEY, INC. IN NOVEMBER 2020.
- 3.) VERTICAL DATUM IS MASS STATE PLANE NGVD88.
- 4.) THE LOCUS PROPERTY IS LOCATED IN A ZONE X AREA OF MINIMAL FLOODING. SEE FLOOD FIRM MAP 25027C 0768 E, PANEL 768 OF 1075, DATED JULY 4, 2011
- 5.) LANDSCAPE & LIGHTING PLANS (SHEETS 7 & 8)
  PROVIDED BY Macarty companies. Leominster. MA.

REVISIONS

5 6/22/22 REMOVED TEMP. CONST. ACCESS

4 6/13/22 ISSUED FOR COBRA REALTY TRUST

19-288\_150...Alt2.dwg

6 8/17/22 REVISED PER COMMENTS.

3 4/13/22 REVISED PER COMMENTS.

2 |2/24/22 | REVISED PER COMMENTS.

9/13/21

PROJECT NO. 20-409

DESIGNED BY PML

CHECKED BY AB

CAD FILE

DESCRIPTION

REV. DATE

### APPLICANT:

WORCESTER, MA

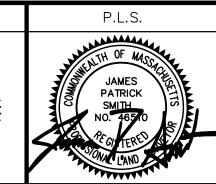
COBRA REALTY TRUST
MICHAEL CIESLA & MELVYN GLICKMAN
14 HARVARD STREET
WORCESTER, MA

OWNERS:

COBRA REALTY TRUST
MICHAEL CIESLA & MELVYN GLICKMAN
14 HARVARD STREET

DEED BOOK 9104 PG. 301 ASSESSORS PARCEL ID: 208-02612-150

## P.E. MIKAEL A. LASSILA CIVIL No. 45680 APPROVAL UNDER



APPROVAL UNDER SITE PLAN REVIEW.
STURBRIDGE PLANNING BOARD

BEING A MAJORITY

\_\_\_\_

APPROVAL DATE: \_\_\_\_ ENDORSEMENT DATE:

IRON PIPE FOUND
DRILL HOLE FOUND
STONE OR CONCRET
SEWER MANHOLE
DRAIN MANHOLE

<u>LEGEN</u>D

STONE OR CONCRETE MONUMENT
SEWER MANHOLE
DRAIN MANHOLE
ELECTRIC MANHOLE
TELEPHONE MANHOLE
WATER MANHOLE
UNDETERMINED MANHOLE
CATCH BASIN
CLEANOUT
MONITORING WELL
ANCHOR
UTILITY POLE

WATER GATE VALVE
WATER SHUT OFF
HYDRANT
BENCHMARK
GAS VALVE
SIGN

SIGN
LIGHT POLE / LAMP POST
SPOT LIGHT
MAILBOX (MBX)
BOLLARD
OBSERVATION TEST PIT

OBSERVATION TEST PI
HYDRIC SOIL TEST PIT
BORING TEST PIT
SHRUBS, BUSHES, ETC

SHRUBS, BUSHES, ETC.

DECIDUOUS TREE

CONIFEROUS TREE

VGC VERTICAL GRANITE CURBING
CNCRB CONCRETE CURBING
CCB CAPE COD BERM (BITUMINOUS

— ··· — ··· — BORDERING VEGETATED WETLAND

— PROPERTY LINE

— U — U — U — SUBSURFACE DRAIN

PREPARED BY:

SUMMIT

Engineering & Survey, Inc.

OXFORD, MA 01537 P:(508) 987-8713 F:(508) 987-8714

SHEET TITLE

COVER SHEET

DEFINITIVE SITE PLAN

150 CHARLTON ROAD (ROUTE 20) STURBRIDGE, MA

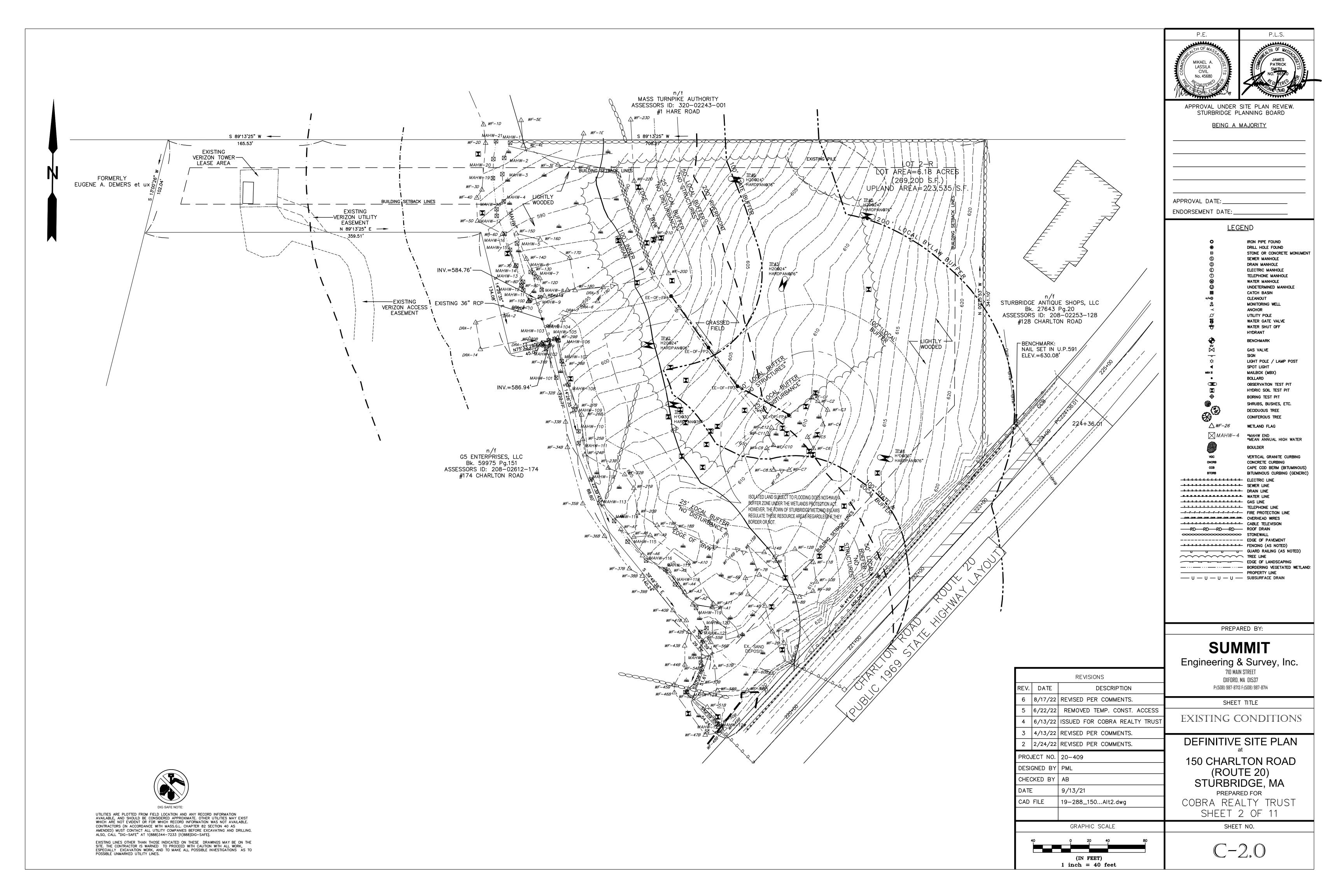
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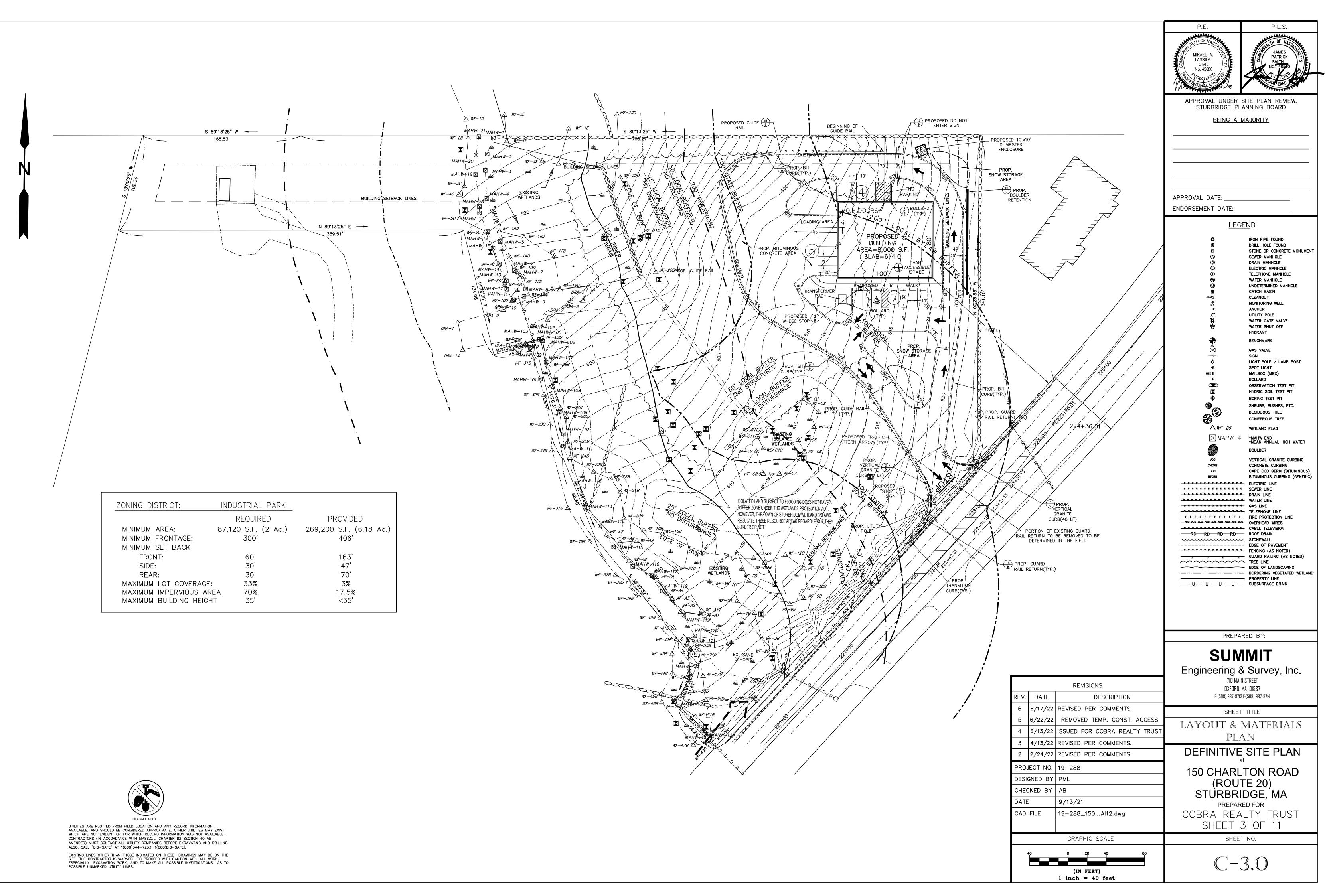
COBRA REALTY TRUST

SHEET 1 OF 11

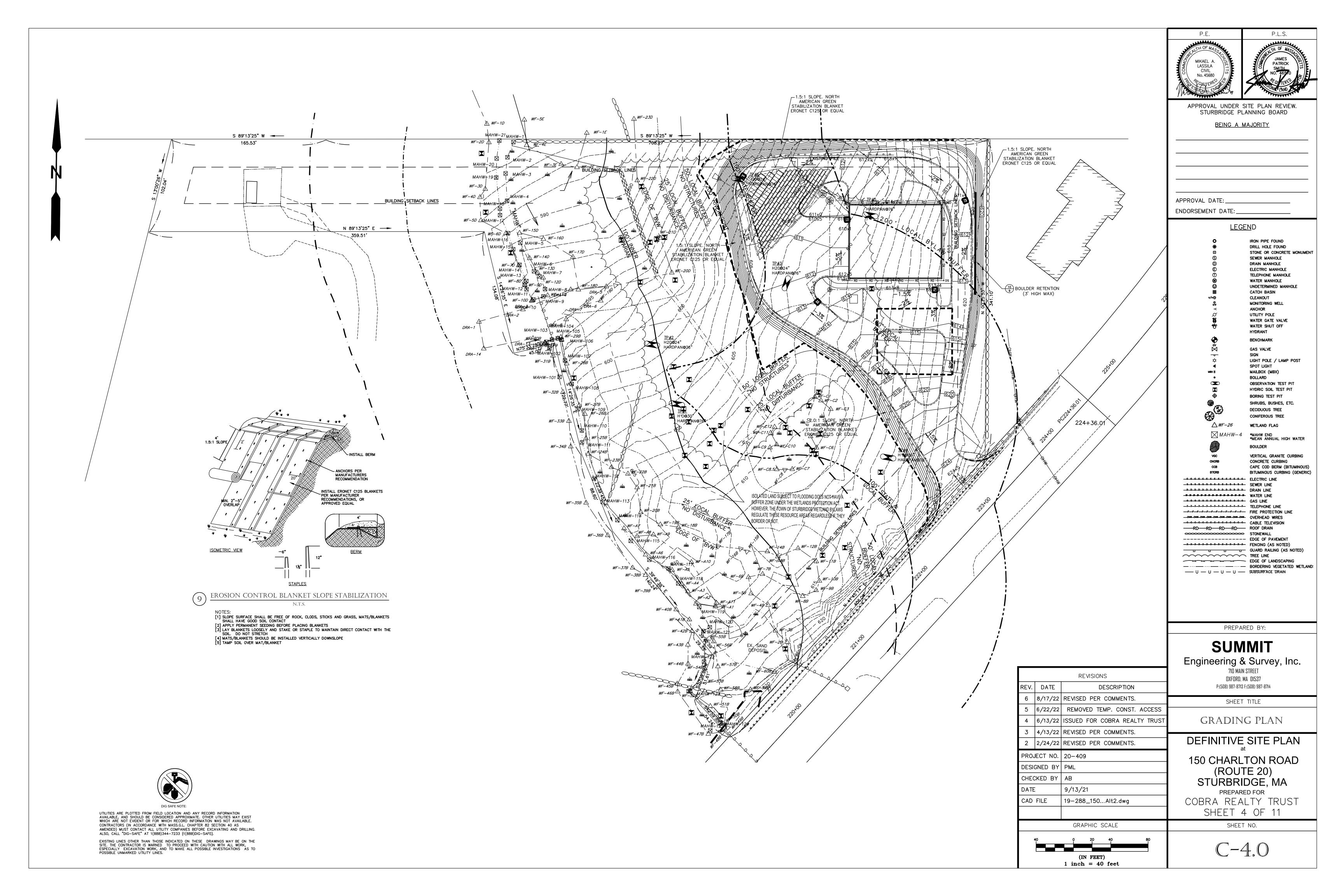
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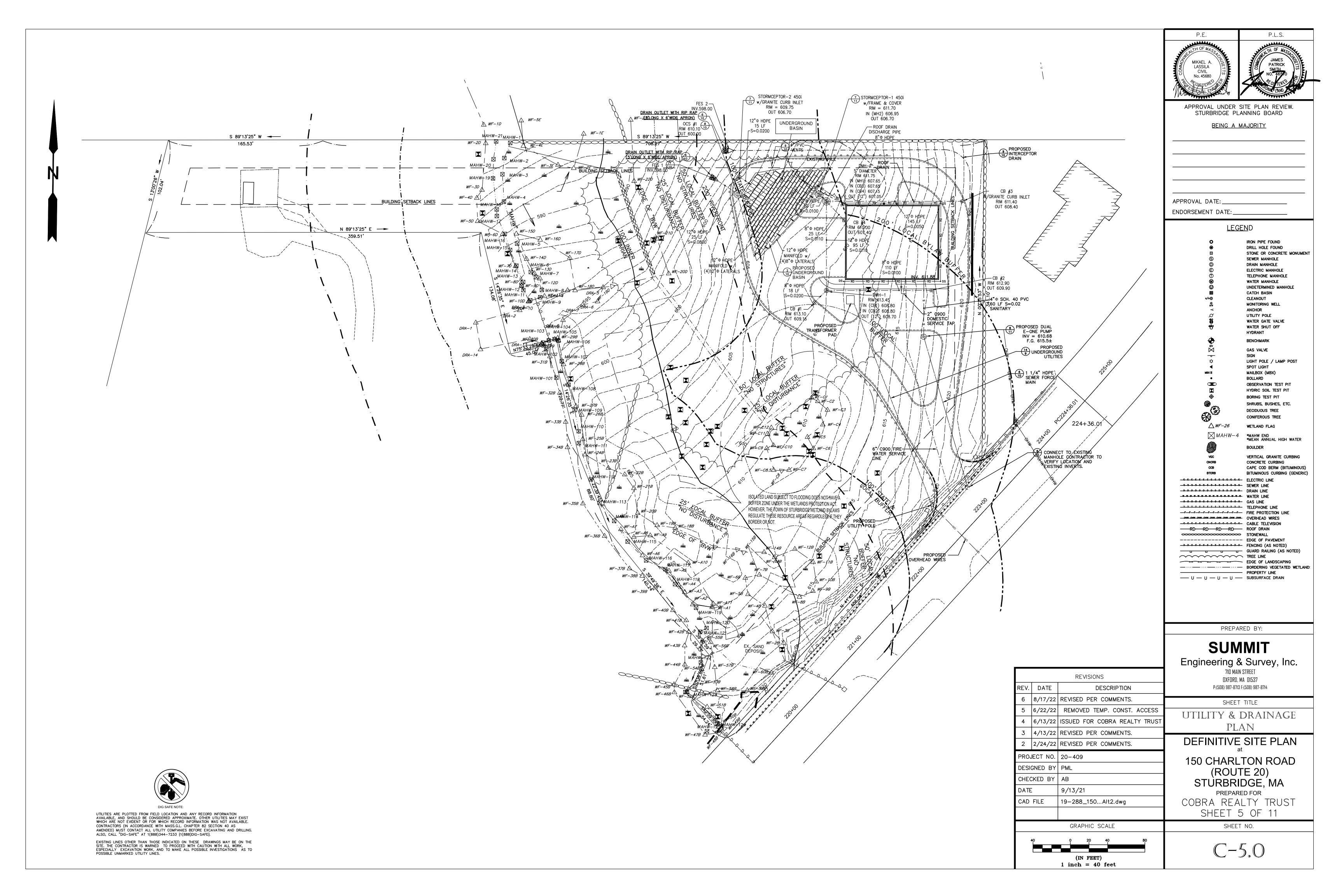
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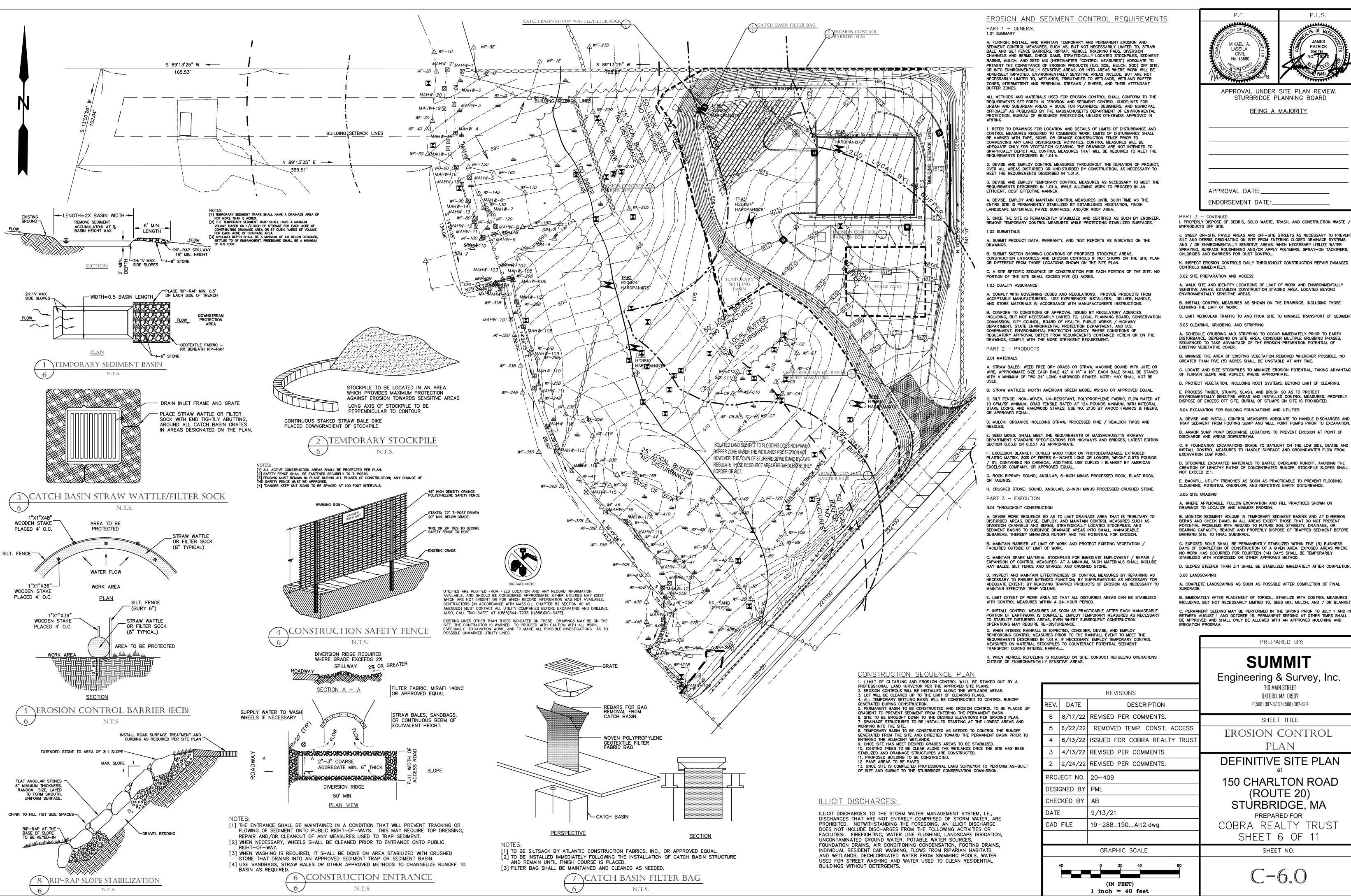




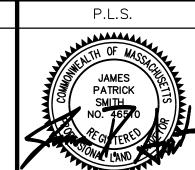
INITEDCTATE TOM/INIC











APPROVAL UNDER SITE PLAN REVIEW. STURBRIDGE PLANNING BOARD

**BEING A MAJORITY** 

APPROVAL DATE

**ENDORSEMENT DATE:** 

SWEEP ON-SITE PAVED AREAS AND OFF-SITE STREETS AS NECESSARY TO PREVENT SILT AND DEBRIS ORIGINATING ON SITE FROM ENTERING CLOSED DRAINAGE SYSTEMS AND / OR ENVIRONMENTALLY SENSITIVE AREAS. WHEN NECESSARY UTILIZE WATER SPRAYING, SURFACE ROUGHENING AND/OR APPLY POLYMERS, SPRAY-ON TACKIFIERS, CHLORIDES AND BARRIERS FOR DUST CONTROL.

K. INSPECT EROSION CONTROLS DAILY THROUGHOUT CONSTRUCTION REPAIR DAMAGED CONTROLS IMMEDIATELY.

A. WALK SITE AND IDENTIFY LOCATIONS OF LIMIT OF WORK AND ENVIRONMENTALLY SENSITIVE AREAS. ESTABLISH CONSTRUCTION STAGING AREA, LOCATED BEYOND ENVIRONMENTALLY SENSITIVE AREAS.

B. INSTALL CONTROL MEASURES AS SHOWN ON THE DRAWINGS, INCLUDING THOSE

C. LIMIT VEHICULAR TRAFFIC TO AND FROM SITE TO MINIMIZE TRANSPORT OF SEDIMENT. 3.03 CLEARING, GRUBBING, AND STRIPPING

A. SCHEDULE GRUBBING AND STRIPPING TO OCCUR IMMEDIATELY PRIOR TO EARTH DISTURBANCE. DEPENDING ON SITE AREA, CONSIDER MULTIPLE GRUBBING PHASES, SEQUENCED TO TAKE ADVANTAGE OF THE EROSION PREVENTION POTENTIAL OF

B. MINIMIZE THE AREA OF EXISTING VEGETATION REMOVED WHEREVER POSSIBLE. NO

GREATER THAN FIVE (5) ACRES SHALL BE UNSTABLE AT ANY TIME. C. LOCATE AND SIZE STOCKPILES TO MINIMIZE EROSION POTENTIAL, TAKING ADVANTAGE

OF TERRAIN SLOPE AND ASPECT, WHERE APPROPRIATE. D. PROTECT VEGETATION, INCLUDING ROOT SYSTEMS, BEYOND LIMIT OF CLEARING.

E. PROCESS TIMBER, STUMPS, SLASH, AND BRUSH SO AS TO PROTECT ENVIRONMENTALLY SENSITIVE AREAS AND INSTALLED CONTROL MEASURES. PROPERLY DISPOSE OF EXCESS OFF SITE. BURIAL OF STUMPS ON SITE IS PROHIBITED. 3.04 EXCAVATION FOR BUILDING FOUNDATIONS AND UTILITIES

A. DEVISE AND INSTALL CONTROL MEASURES ADEQUATE TO HANDLE DISCHARGES AND TRAP SEDIMENT FROM FOOTING SUMP AND WELL POINT PUMPS PRIOR TO EXCAVATION. 3. ARMOR SUMP PUMP DISCHARGE LOCATIONS TO PREVENT EROSION AT POINT OF DISCHARGE AND AREAS DOWNSTREAM.

C. IF FOUNDATION EXCAVATIONS GRADE TO DAYLIGHT ON THE LOW SIDE, DEVISE AND INSTALL CONTROL MEASURES TO HANDLE SURFACE AND GROUNDWATER FLOW FROM EXCAVATION LOW POINT.

D. STOCKPILE EXCAVATED MATERIALS TO BAFFLE OVERLAND RUNOFF, AVOIDING THE CREATION OF LENGTHY PATHS OF CONCENTRATED RUNOFF. STOCKPILE SLOPES SHALL

E. BACKFILL UTILITY TRENCHES AS SOON AS PRACTICABLE TO PREVENT FLOODING, SLOUGHING, POTENTIAL OVERFLOW, AND REPETITIVE EARTH DISTURBANCE.

3.05 SITE GRADING A. WHERE APPLICABLE, FOLLOW EXCAVATION AND FILL PRACTICES SHOWN ON DRAWINGS TO LOCALIZE AND MINIMIZE EROSION.

B. MONITOR SEDIMENT VOLUME IN TEMPORARY SEDIMENT BASINS AND AT DIVERSION

BERMS AND CHECK DAMS. IN ALL AREAS EXCEPT THOSE THAT DO NOT PRESENT POTENTIAL PROBLEMS WITH REGARD TO FUTURE SOIL STABILITY, DRAINAGE, OR BEARING CAPACITY, REMOVE AND PROPERLY DISPOSE OF TRAPPED SEDIMENT BEFORE

C. EXPOSED SOILS SHALL BE PERMANENTLY STABILIZED WITHIN FIVE (5) BUSINESS DAYS OF COMPLETION OF CONSTRUCTION OF A GIVEN AREA. EXPOSED AREAS WHERE NO WORK HAS OCCURRED FOR FOURTEEN (14) DAYS SHALL BE TEMPORARILY STABILIZED WITH HYDROSEED OR OTHER APPROVED METHOD.

D. SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED IMMEDIATELY AFTER COMPLETION.

A. COMPLETE LANDSCAPING AS SOON AS POSSIBLE AFTER COMPLETION OF FINAL

B. IMMEDIATELY AFTER PLACEMENT OF TOPSOIL, STABILIZE WITH CONTROL MEASURES INCLUDING, BUT NOT NECESSARILY LIMITED TO, SEED MIX, MULCH, AND / OR BLANKET. C. PERMANENT SEEDING MAY BE PERFORMED IN THE SPRING PRIOR TO JULY 1 AND IN BETWEEN AUGUST 1 AND OCTOBER 15. PERMANENT SEEDING AT OTHER TIMES SHALL E APPROVED AND SHALL ONLY BE ALLOWED WITH AN APPROVED MULCHING AND

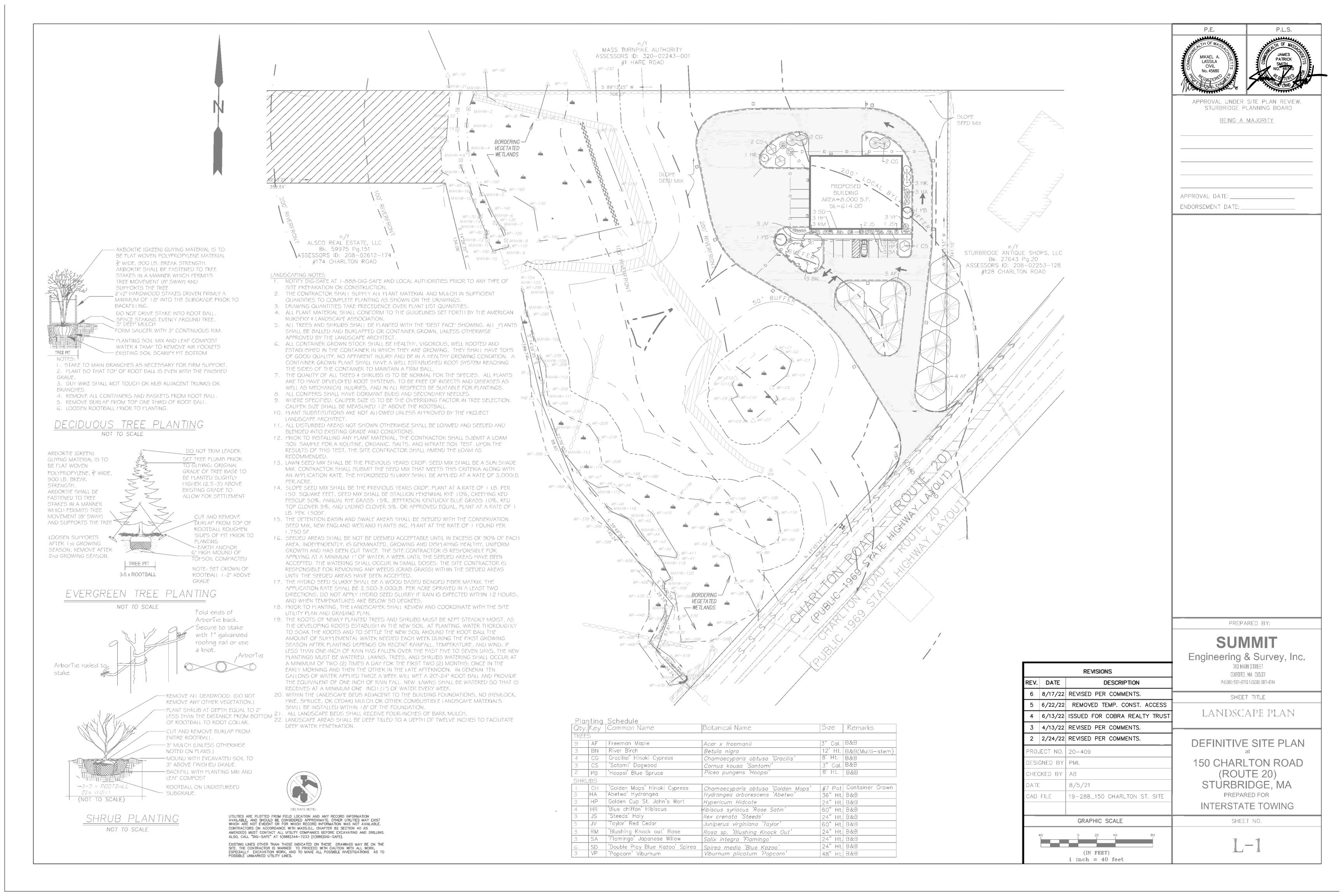
PREPARED BY:

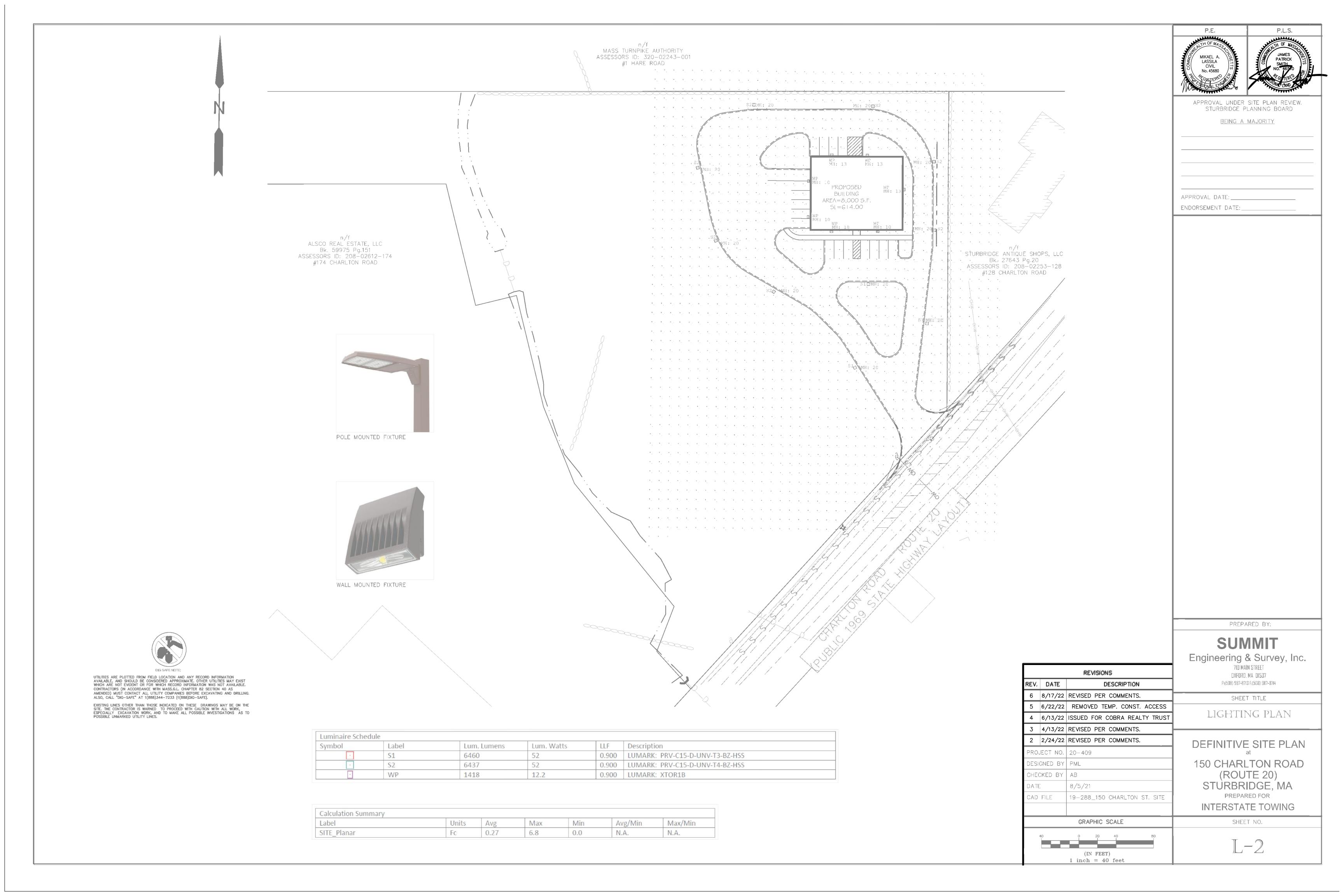
**SUMMIT** Engineering & Survey, Inc. OXFORD, MA 01537 P:(508) 987-8713 F:(508) 987-8714 SHEET TITLE EROSION CONTROL PLAN **DEFINITIVE SITE PLAN** 

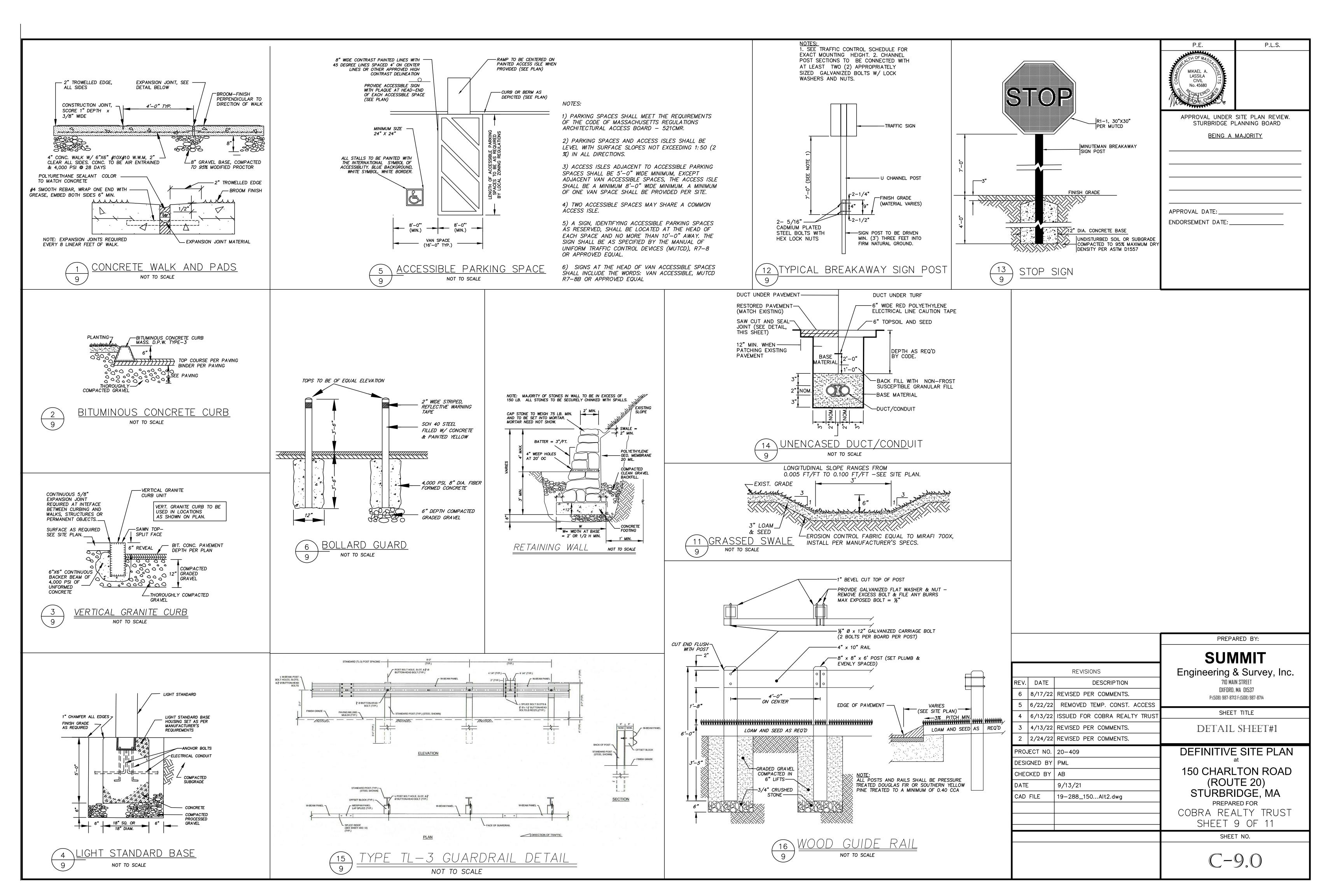
> 150 CHARLTON ROAD (ROUTE 20) STÙRBRIDGE, MA

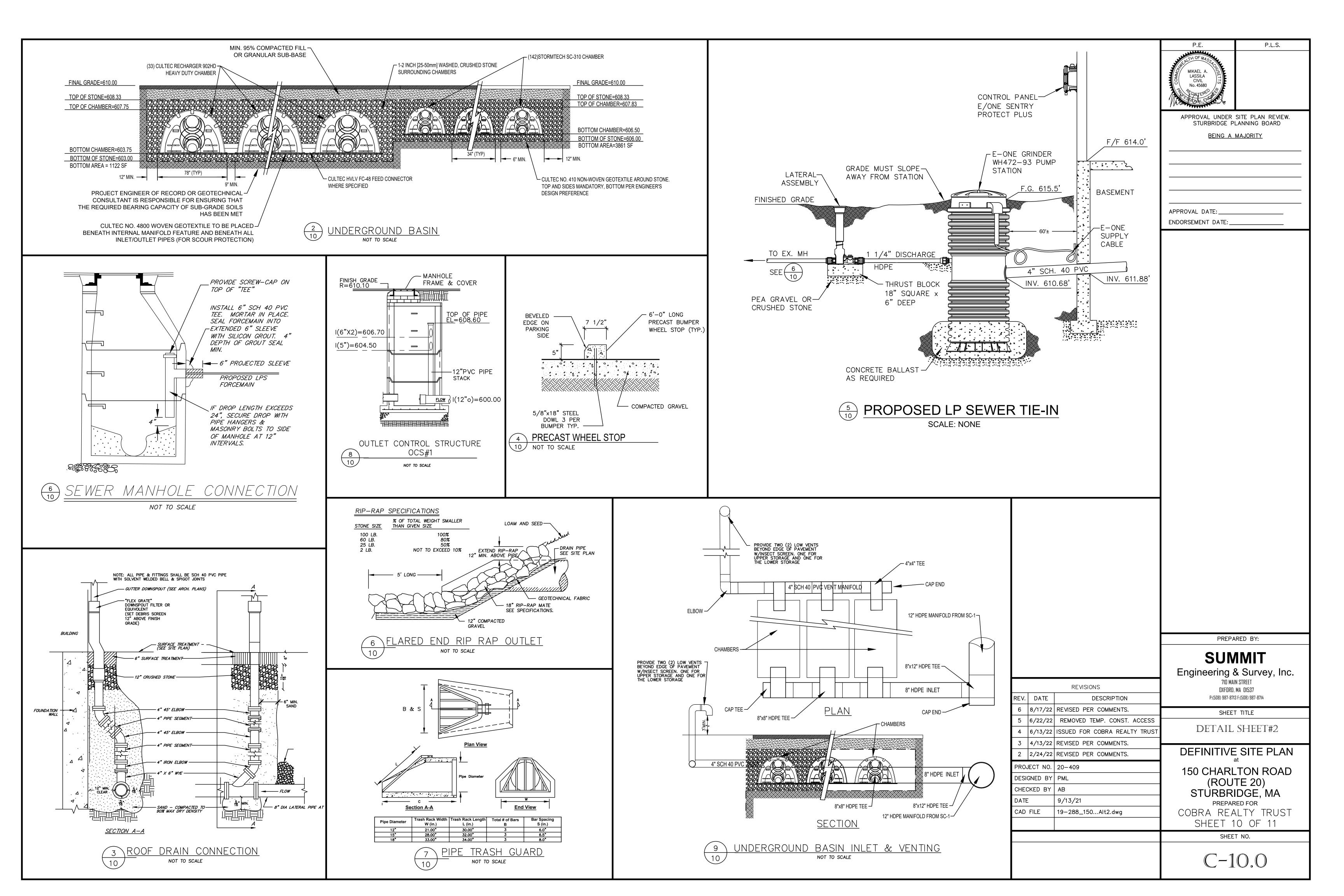
PREPARED FOR COBRA REALTY TRUST SHEET 6 OF 11

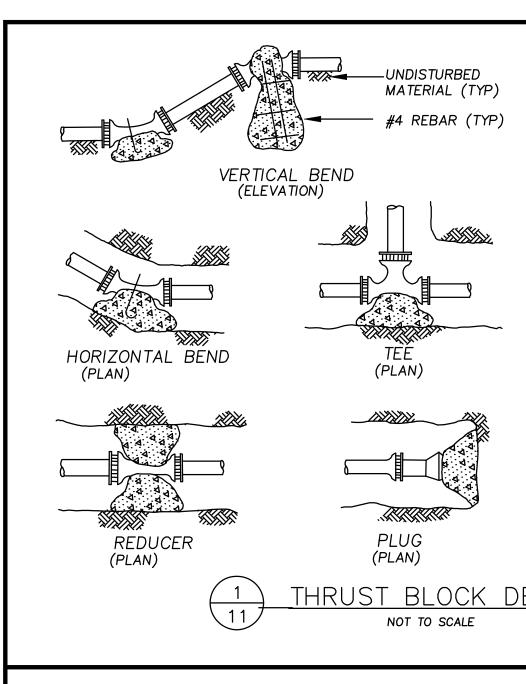
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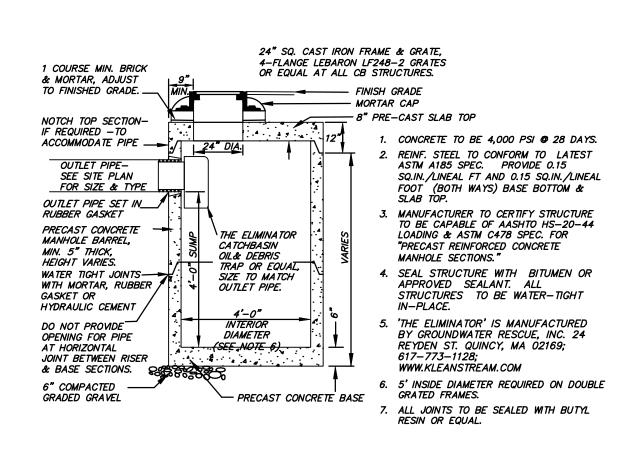


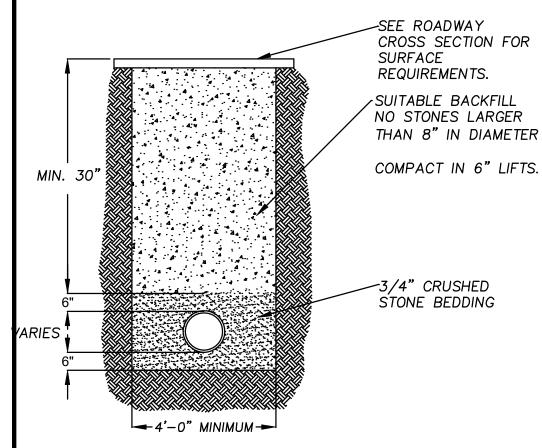
| AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS IN SQUARE FEET BASED ON 250 P.S.I. & 1.5 TONS/S.F. ALLOWABLESOILBEARINGCAPACITY |             |              |               |      |  |
|--|-------------|--------------|---------------|------|--|
| PIPE SIZE<br>(M )BEND  | 1/4<br>BEND | 1/8<br>BEND  | 1/16<br>&TEES | PLUG |  |
| 4 6,8,   | 6.0         | 2.9          | 2.3           | 4.5  |  |
| 10   | 9.6         | 5.2          | 2.3           | 6.7  |  |
| 12   | 13.3        | 6 <i>7</i> . | 37.           | 96.  |  |
| 16   | 24.0        | 11.8         | <i>37</i> .   | 17.0 |  |

|                     | DEADING AREA CO ET             |             |                    |                  |             |  |  |
|---------------------|--------------------------------|-------------|--------------------|------------------|-------------|--|--|
| NORMAL              | BEARING AREA — SQ. FT. FITTING |             |                    |                  |             |  |  |
| FITTING<br>DIAMETER | 90°<br>BEND                    | 45°<br>BEND | BETWEEN<br>10°-45° | BRANCH<br>OF TEE | DEAD<br>END |  |  |
| 6"                  | 4                              | 2           | 2                  | 4                | 4           |  |  |
| 8"                  | 7                              | 4           | 3                  | 5                | 5           |  |  |

ALL BENDS, TEES, WYES, HYDRANTS AND DEAD ENDS SHALL BE BRACED WITH CONCRETE THRUST BLOCKS 2. BEARING AREA (H X L) IS AREA OF CONE IN CONTACT WITH WALL OF TRENCH

3. HEIGHT (H) & LENGTH (L) AS REQUIRED TO OBTAIN BEARING AREA IN TABLE 4. BOULDERS ARE NOT TO BE USED AS THRUST BLOCKS.





(10 TYPICAL SEWER MAIN TRENCH

NOT TO SCALE

APPROVAL DATE: ENDORSEMENT DATE:

PREPARED BY:

APPROVAL UNDER SITE PLAN REVIEW.

STURBRIDGE PLANNING BOARD

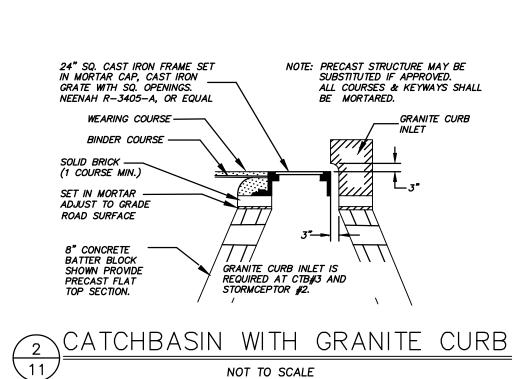
BEING A MAJORITY

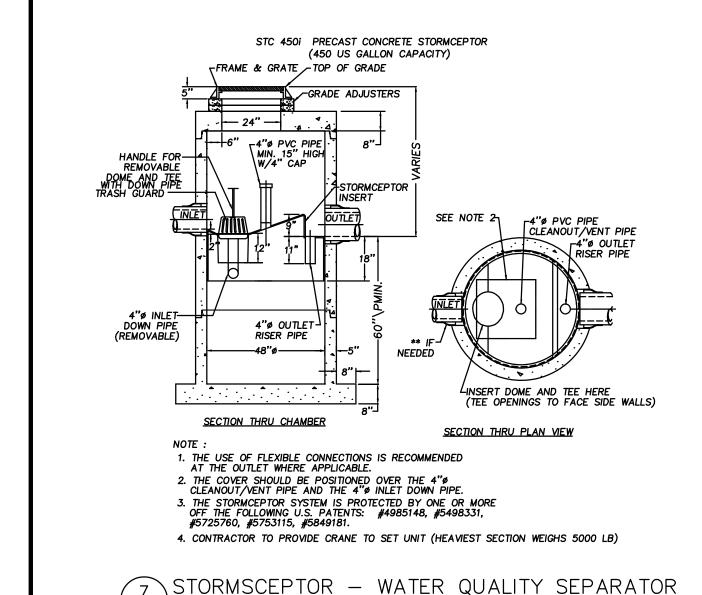
P.E.

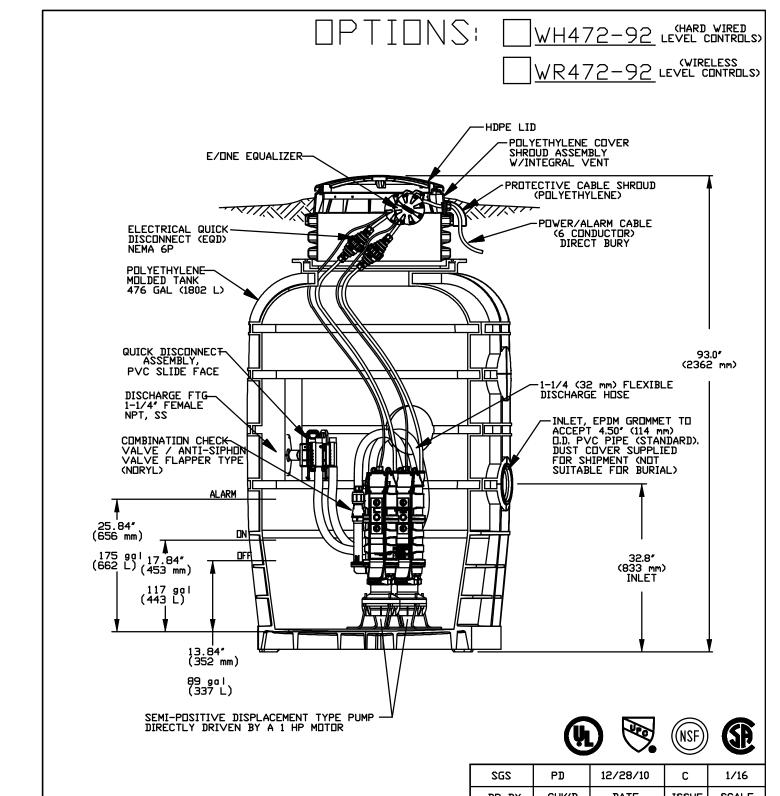
LASSILA

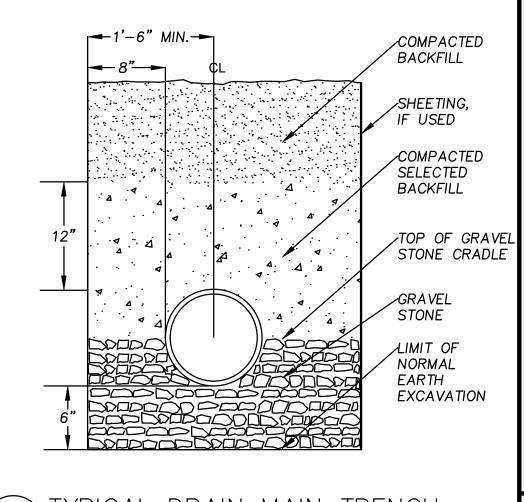
P.L.S.

PRECAST CONCRETE FLAT TOP CATCH BASIN NOT TO SCALE



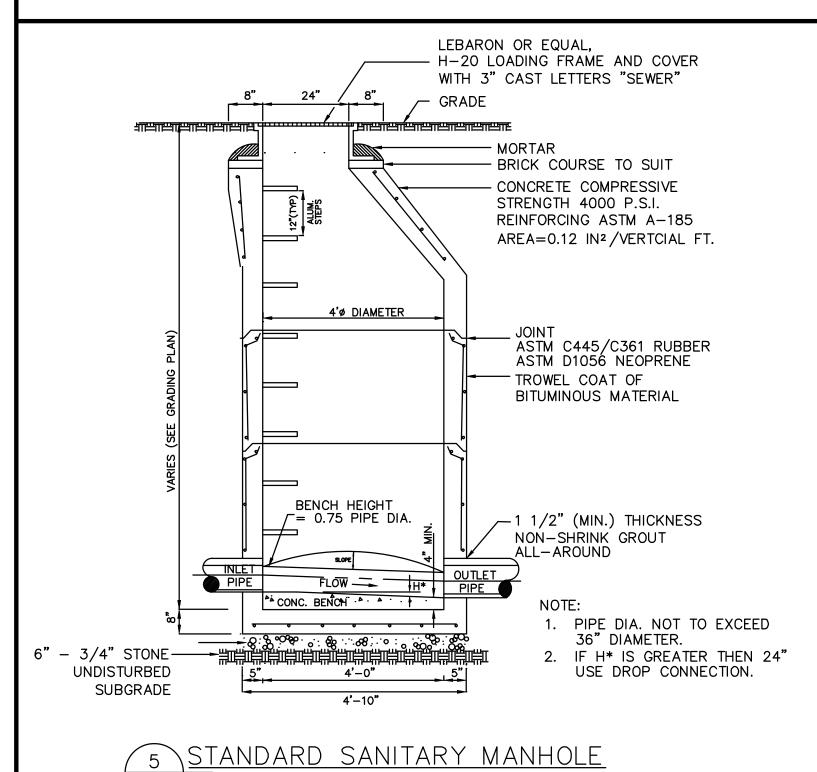




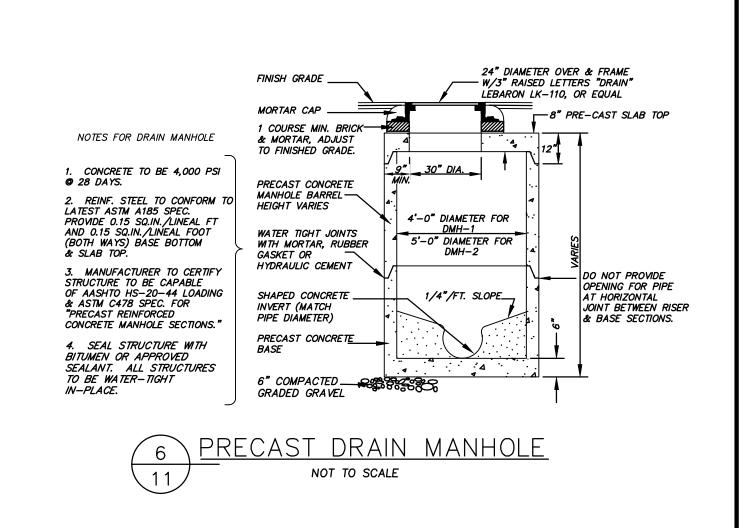


TYPICAL DRAIN MAIN TRENCH

|               | NOT TO SO                     | CALE   | <b>SUMMIT</b> Engineering & Survey, Inc.   |  |  |
|---------------|-------------------------------|--|--|--|--|
| REV.          | DATE                          | REVISIONS  DESCRIPTION                       | 710 MAIN STREET<br>OXFORD, MA 01537<br>P:(508) 987-8713 F:(508) 987-8714                   |  |  |
| 6             | 8/17/22                       | REVISED PER COMMENTS.                        | SHEET TITLE  |  |  |
| 5 4           |                               | ISSUED FOR COBRA REALTY TRUST                | DETAIL SHEET#3   |  |  |
| 2             |                               | REVISED PER COMMENTS.  REVISED PER COMMENTS. | DEFINITIVE SITE PLAN   |  |  |
| DESI-<br>CHEC | JECT NO. GNED BY CKED BY FILE |  | 150 CHARLTON ROAD (ROUTE 20) STURBRIDGE, MA PREPARED FOR COBRA REALTY TRUST SHEET 11 OF 11 |  |  |
|               |                               |  | SHEET NO.  |  |  |
|               |                               |  | C-11.0   |  |  |



NOT TO SCALE



NOT TO SCALE

