# TOWNE SQUARE AT SUITLAND FEDERAL CENTER

# ENVIRONMENTAL SITE DEVELOPMENT, GRADING, EROSION SEDIMENT CONTROL SUITLAND, MARYLAND

#### STANDARD GENERAL EROSION CONTROL NOTES

THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL REQUIRED EASEMENT, RIGHT AND/OR RIGHTS-OF-WAY PURSUANT TO THE DISCHARGE FROM THE EROSION AND SEDIMENT CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS AND GRADING OR OTHER WORK TO BE PERFORMED ON ADJACENT OR DOWNSTREAM PROPERTIES AFFECTED BY THIS PLAN.

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT

- OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) AND B) SEVEN (7) CALENDAR DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THE IN-PLACE SEDIMENT CONTROL MEASURES WILL BE MAINTAINED ON A CONTINUING BASIS UNTIL THE SITE IS PERMANENTLY STABILIZED AND ALL PERMIT REQUIREMENTS ARE MET.
- THE OWNER/DEVELOPER OR REPRESENTATIVE SHALL REQUEST THAT THE INSPECTION AUTHORITY APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. THE GRADING OR BUILDING PERMIT AND SHALL OBTAIN WRITTEN INSPECTION APPROVALS BY THE INSPECTOR AT THE FOLLOWING STAGES IN THE DEVELOPMENT OF THE SITE: PRIOR TO THE START OF EARTH DISTURBANCE;
  - UPON COMPLETION OF INSTALLATION OF TREE PROTECTION DEVICES, FOLLOWED BY THE INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL INITIAL APPROVAL BY THE INSPECTOR IS MADE;
  - (3) UPON COMPLETION OF STRIPPING, THE STOCKPILING OF TOPSOIL, THE CONSTRUCTION OF TEMPORARY SEDIMENT AND EROSION CONTROL FACILITIES, DISPOSAL OF ALL WASTE MATERIAL AND PREPARATION OF THE GROUND:
  - (4) UPON COMPLETION OF ROUGH GRADING, BUT PRIOR TO PLACING TOPSOIL, PERMANENT DRAINAGE OR OTHER SITE DEVELOPMENT IMPROVEMENTS AND GROUND COVERS; PRIOR TO THE START OF ANOTHER PHASE OF CONSTRUCTION OR OPENING OF ANOTHER
  - (6) PRIOR TO THE REMOVAL OF SEDIMENT CONTROL PRACTICES; AND
  - (7) UPON COMPLETION OF FINAL GRADING, REFORESTING, PERMANENT DRAINAGE AND EROSION CONTROL FACILITIES INCLUDING ESTABLISHED GROUND COVERS AND PLANTING, AND ALL OTHER WORK OF THE BUILDING PERMITS.
- APPROVAL SHALL BE REQUESTED UPON FINAL STABILIZATION OF ALL SITES WITH DISTURBED AREAS IN EXCESS OF TWO ACRES BEFORE REMOVAL OF CONTROLS.
- ALL PERMITS UNDER AN EROSION AND SEDIMENT CONTROL PLAN MUST AND CAN ONLY BE ISSUED TO THE OWNER/DEVELOPER THAT SIGNS THE CERTIFICATION ON THE PLAN. THE OWNER/DEVELOPER THAT SIGNS THE CERTIFICATION ON AN EROSION AND SEDIMENT CONTROL PLAN IS THE RESPONSIBLE PARTY REGARDLESS OF ANY SALE OF THE PROPERTY OR WORK OF SUBCONTRACTORS. EROSION AND SEDIMENT CONTROL PLANS ARE APPROVED FOR ONE OWNER/DEVELOPER ONLY.
- PGSCD APPROVAL OF A EROSION AND SEDIMENT CONTROL PLAN. PURSUANT TO MEETING LOCAL PERMIT REQUIREMENTS FOR GRADING, BUILDING OR STREET PERMITS, ETC., IS VALID ONLY WHEN THE WORK TO BE PERFORMED UNDER THE PERMIT IS THE SAME AS (NO MORE/NO LESS THAN) THAT CONTAINED IN THE PLAN AS APPROVED BY THE PGSCD.
- ANY CHANGES OR MODIFICATIONS TO AN APPROVED EROSION AND SEDIMENT CONTROL PLAN, NOT APPROVED BY THE PGSCD, SHALL INVALIDATE THE PLAN APPROVAL
- OFFSITE BORROW OR SPOIL AREAS MUST HAVE AN APPROVED AND ACTIVE EROSION AND SEDIMENT CONTROL PLAN.
- TEMPORARY DESIGNED SEDIMENT BASINS SHALL BE REMOVED WITHIN 36 MONTHS AFTER THE BEGINNING OF CONSTRUCTION OF THE BASIN. ON SMALL POND APPROVALS:
- THE OWNER OR ENGINEER WILL NOTIFY PGSCD PROMPTLY IN WRITING WHEN CONSTRUCTION IS BEGUN AND WHEN CONSTRUCTION IS COMPLETED.
- (2) THE PROJECT SHALL BE CONSTRUCTED UNDER THE SUPERVISION OF THE ENGINEER-IN-CHARGE. WITHIN 30 DAYS OF THE COMPLETION OF CONSTRUCTION, THE ENGINEER-IN-CHARGE THAT DESIGNED THE STRUCTURE SHALL PROVIDE PGSCD WITH AN AS-BUILT PLAN AND SHALL CERTIFY, WITH THE ENGINEER'S SEAL, THAT THE MD378 POND WAS CONSTRUCTED AS SHOWN ON THE AS-BUILT PLANS.
- (3) THE APPROVAL IS VALID ONLY FOR USE BY THE APPLICANT AND MAY NOT BE TRANSFERRED TO ANOTHER UNLESS WRITTEN APPROVAL FOR SUCH TRANSFER IS OBTAINED FROM PGSCD. DISTURBED SURFACE AREA \_\_\_\_\_19.8 AC
- VEGETATIVELY STABILIZED AREA VOLUME OF SPOIL MATERIAL
- VOLUME OF CUT
- VOLUME OF BORROW MATERIAL
- VOLUME OF FILL
- LIST PREDOMINANT SOIL TYPES AND GENERAL DESCRIPTION PER PGSCD SOIL SURVEY:
  - BuB BELTSVILLE-URBAN LAND COMPLEX, 0 TO 5 PERCENT SLOPES Un - URBAN LAND
  - SnB SASSAFRAS-URBAN LAND COMPLEX, 0 TO 5 PERCENT SLOPES
    - PERCENT IMPERVIOUS COVER PROPOSED:
- TOTAL PROPOSED IMPERVIOUS AREA:

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#### **STABILIZATION NOTE:**

Know what's below.

Call before you dig.

STABILIZATION PRACTICES ON ALL PROJECTS MUST BE IN COMPLIANCE WITH THE REQUIREMENTS OF COMAR 26.17.1.08 G REGULATIONS BY JANUARY 9, 2013, REGARDLESS OF WHEN AN EROSION AND SEDIMENT CONTROL PLAN WAS APPROVED. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN: THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1): AND SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING

DPIE PERMIT NUMBER

15752-2017-0

#### EROSION CONTROL SEQUENCE OF CONSTRUCTION

#### <u>INITIAL</u>

- 1. ARRANGE FOR AND ATTEND PRE-CONSTRUCTION MEETING WITH PRINCE GEORGE'S COUNTY - - - - - - 1 DAY DEPARTMENT OF PERMITTING, INSPECTIONS, AND ENFORCEMENT (PG-DPIE) INSPECTOR, ENGINEER AND OWNER'S REPRESENTATIVE(S). CONTACT PG-DPIE AT LEAST 7 DAYS PRIOR TO CONSTRUCTION.
- 2. THE LIMIT OF DISTURBANCE MUST BE FIELD MARKED PRIOR TO CLEARING TREES, INSTALLATION — — — 1 DAY OF SEDIMENT CONTROL MEASURES, CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITIES.
- DISTURBANCE ARE CORRECTLY MARKED AND INSTALLED PRIOR TO COMMENCING CLEARING.
- STABILIZED CONSTRUCTION ENTRANCES. LIMIT CLEARING, GRUBBING AND LAND DISTURBING ACTIVITIES TO AREAS NECESSARY TO INSTALL PERIMETER MEASURES.
- 5. CONTINUE CLEARING AND GRUBBING WITHIN THE INSTALLED PERIMETER CONTROLS. ———————————————————————— 1 DAY
- 6. DEMOLITION AND REMOVE ALL EXISTING SITE FEATURES INCLUDING PAVEMENT, CURB AND GUTTER, AND SIDEWALKS.

- 7. MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN GOOD WORKING ORDER.
- 9. AT THE COMPLETION OF GRADING THE SITE SHALL BE STABILIZED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1): AND SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
- 10. EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE FOR FUTURE PHASES.

#### PROJECT NARRATIVE:

THE SITE IS LOCATED ALONG THE NORTH SIDE OF SUITLAND ROAD (MD 218) NEAR THE INTERSECTION OF SILVER HILL ROAD AND SUITLAND ROAD IN PRICE GEORGE'S COUNTY, MD. THE SITE IS ZONED MIXED USE TOWN CENTER WITH AN ESTIMATED DISTURBED AREA OF APPROXIMATELY 19.8 ACRES. THE PROJECT INCLUDES THE CONSTRUCTION OF SINGLE FAMILY HOUSES, TOWNHOUSES, MULTIFAMILY APARTMENTS, MIXED USE COMMERCIAL AND RESIDENTIAL DEVELOPMENT. EXISTING SITE USE INCLUDES A COMMERCIAL SHOPPING CENTER AND MULTIFAMILY RAIN GARDEN STYLE APARTMENTS WITH 15.08 ACRES OF

PROPOSED IMPROVEMENTS AT THIS STAGE IS GRADING.NO GRADING WILL BE DONE WITHIN THE PUBLIC RIGHT OF WAY SPECIFIC TREE SPECIFS WILL BE KEPT IN PLACE DURING THE GRADING PROCESS. NO ESD PRACTICE WILL BE UTILIZED AT THIS TIME. SURFACE DRAINAGE ON SITE WILL FLOW TOWARDS EXISTING HOMER AVENUE

#### 1. NATURAL RESOURCE PROTECTION, ENHANCEMENT, AND PRESERVATION: THERE ARE NO EXISTING STEEP SLOPES PRESENT WITHIN THE LIMITS OF DISTURBANCE.

RUNOFF FROM THE SITE AREA GENERALLY DRAINS TO OXON RUN WHICH IS PART OF OF THE MIDDLE POTOMAC WATERSHED

THE FEDERAL EMERGENCY MANAGEMENT ADMINISTRATION (FEMA) COMMUNITY PANEL NUMBER 24031C0143D, PRINCE GEORGE'S COUNTY MARYLAND, EFFECTIVE DATE SEPTEMBER 6, 1996. THERE ARE NO NEARBY FLOOD PLAINS.

THIS SITE IS NOT LOCATED WITHIN A TIER II WATERSHED.

#### 2. MAINTENANCE OF NATURAL FLOW PATTERNS: UNDER CURRENT CONDITIONS. THE OVERALL SIDE DRAINS FROM SOUTH TO NORTH

UNDER PROPOSED CONDITIONS, THE OVERALL FLOW PATTERNS WILL BE MAINTAINED.

SEVERAL ESD TECHNIQUES ARE PROPOSED TO SATISFY OUR STORM WATER ESD REQUIREMENTS.

- 3. <u>REDUCTION OF IMPERVIOUS AREA THROUGH BETTER SITE DESIGN, ALTERNATIVE SURFACES, AND NON STRUCTURAL PRACTICES:</u> NEW IMPERVIOUS AREA HAS BEEN KEPT TO A MINIMUM. ESD TECHNIQUES ARE BEING UTILIZED TO SATISFY STORM WATER REQUIREMENTS
- 4. <u>INTEGRATION OF EROSION AND SEDIMENT CONTROLS INTO THE STORMWATER STRATEGY:</u>
  THE EROSION CONTROL DESIGN FOR THE PROJECT CONSISTS OF THE USE OF STABILIZED CONSTRUCTION ENTRANCES, SILT FENCE, INLET PROTECTIONS, AND SEDIMENT TRAPS.
- 5. IMPLEMENTATION OF ESD PLANNING TECHNIQUES AND PRACTICES TO THE MEP: SEDIMENT TRAPS WILL BE UTILIZED TO TREAT FLOW FROM DISTURBED AREAS WITHIN THE SITE
- 6. EVALUATION OF STABILIZATION REQUIREMENTS:

SITE GRADING WILL BE AT 3:1 OR FLATTER TO MEET B-3 PG SCD STANDARDS FOR LAND GRADING. SHEET FLOW FROM ALL SLOPES WILL BE ADDRESSED BY THE PERMANENT STABILIZATION OF THE SITE WITHIN A 3 DAY DRY PERIOD AND SILT FENCE WHILE CONSTRUCTING THE ROADWAY PORTION.

THE ABOVE SITE INFORMATION HAS BEEN PROVIDED SOLELY FOR USE BY PRINCE GEORGE'S COUNTY IN REVIEWING SEDIMENT CONTROL AND IS NOT TO BE RELIED UPON BY ANY CONTRACTOR IN PREPARING BIDS. THE CONTRACTOR SHALL MAKE ITS OWN DETERMINATION OF QUANTITIES, VOLUMES AND/OR AREAS USED IN ESTABLISHING ITS BIDS.

SHEET INDEX

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...... COVER SHEET

..... EXISTING CONDITIONS PLAN

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EROSION AND SEDIMENT CONTROL PLAN-INITIAL-KEYSHEET

EROSION AND SEDIMENT CONTROL PLAN-INTERIM-KEYSHEET

EROSION AND SEDIMENT CONTROL PLAN- INITIAL

EROSION AND SEDIMENT CONTROL PLAN- INTERIM

EROSION AND SEDIMENT CONTROL PLAN- FINAL

EROSION AND SEDIMENT CONTROL DETAILS

EROSION AND SEDIMENT CONTROL DETAILS

MASS GRADING PLAN-KEYSHEET

MASS GRADING PLAN

CG-110 ...... MASS GRADING PLAN

EROSION AND SEDIMENT CONTROL PLAN-FINAL-KEYSHEET

#### CONSULTANTS CERTIFICATION

THE FOLLOWING BALTIMORE COUNTY CONTROL:

I CERTIFY THAT THIS ENVIRONMENTAL SITE DEVELOPMENT GRADING, EROSION AND SEDIMENT CONTROL PLAN REPRESENTS ALL SIGNIFICANT NATURAL RESOURCES BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PRINCE GEORGE'S SOIL CONSERVATION DISTRICT AND "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL". I HAVE REVIEWED THIS CONCEPT GRADING, EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER".

VICINITY MAP

THE COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE

COORDINATE SYSTEM NAD 83/91 AS ESTABLISHED BY GPS OBSERVATION.

THE ELEVATIONS AND CONTOURS SHOWN HEREON ARE BASED ON NAVD-8

VERTICAL DATUM AS ESTABLISHED BY GPS OBSERVATION AS REFERRED TO

NAME (PRINTED)

MARYLAND REGISTRATION #



#### UTILITY CERTIFICATION

HERE BY CERTIFY THAT THE EXISTING AND PROPOSED UNDERGROUND UTILITY INFORMATION SHOWN HERE ON HAS BEEN CORRECTLY DUPLICATED FROM UTILITY COMPANY RECORDS. FURTHER THAT THIS PROJECT HAS BEEN CAREFULLY COORDINATED WITH THE INVOLVED UTILITY COMPANIES AND ALL UNDERGROUND UTILITY INFORMATION RELATIVE TO THIS PLAN HAS BEEN SOLICITED FROM THEM.

AARON SMITH NAME (PRINTED) MARYLAND REGISTRATION # form & her SIGNATURE 05/12/17

#### GRADING CERTIFICATION

HEREBY CERTIFY THAT THIS PLAN CONFORMS TO THE REQUIREMENTS OF SUBTITLE 32, DIVISION 2 OF THE CODE OF PRINCE GEORGE'S COUNTY WATER RESOURCES PROTECTION AND GRADING CODE; AND THAT I OR MY STAFF HAVE INSPECTED THIS SITE AND THAT DRAINAGE FLOWS FROM UPHILL PROPERTIES ONTO THIS SITE, AND FROM THIS SITE ONTO DOWNHILL PROPERTIES, HAVE BEEN ADDRESSED IN SUBSTANTIAL ACCORDANCE WITH APPLICABLE CODES. AND SIGNED, SEALED AND DATED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND,

SSC# 133-15

STRICT SIGNATURE

AARON SMITH NAME (PRINTED) MARYLAND REGISTRATION # SIGNATURE 05/12/17

PRINCE GEORGE'S SOIL CONSERVATION DISTRICT ENVIRONMENTAL SITE DEVELOPMENT APPROVAL GRADING, EROSION AND SEDIMENT CONTROL

DATE

EXPIRATION DAT

APPROVAL DATI

SHEET TITLE

AMT FILE NO.

DESIGNED BY:

CHECKED BY:

DRAWN BY:

DATE:

SCALE:

**COVER SHEET** 

CONSULTING ENGINEERS 12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852

(301) 881-2545 FAX:(301) 881-0814 EMÀIL: AMT1@AMTENGINEERING.COM

HEREBY CERTIFY THAT THESE

31198, EXPIRATION DATE 01/16/19

REGISTRATION STAMP

PROJECT TITLE

MARK DATE

DOCUMENTS WERE PREPARED OR APPROVED

BY ME, AND THAT I AM A DULY LICENSED

PROFESSIONAL ENGINEER UNDER THE LAWS

OF THE STATE OF MARYLAND, LICENSE NO.

TOWNE SQUARE AT SUITLAND

FEDERAL CENTER

SUITLAND, MD

**REVISIONS** 

**DESCRIPTION** 

16-0341.001

06-16-2017

AMT

AMT

AMT

PERMIT SUBMISSION

CONSULTANTS

GI-100

SHEET

OF 59

PARCEL AND/OR LOT AND BLOCK IDENTIFIER

BLOCK A. PARCEL A: BLOCK B. PARCEL A: BLOCK C. LOTS 1-47 AND PARCELS A-E: BLOCK D. LOTS 1-55 AND PARCELS A-F; BLOCK E, LOTS 1-43 AND PARCELS A; BLOCK F, LOTS 1-55 AND PARCELS A-C; BLOCK G, LOTS 1-21 AND PARCELS A-C; BLOCK H, PARCEL A; BLOCK I, PARCELS A & B , AND BLOCK J, PARCEL A

BLOCK A, LOTS 1-32; BLOCK C, LOT 1-26 AND 30-52; BLOCK D, LOT 1-12; BLOCK E, LOTS 1-24 ALL IN PLAT BOOK BB 9, PLAT 29; AND BLOCK F, LOTS 1-15, PLAT BOOK BB 9, PLAT 56; AND PARCEL A, PLAT WWW 19 PLAT 78; AND TAX PARCEL 53, L.6740 F.657; 54, L.20342 F.666; AND 55, L.20342 F.652; AND ABANDONED ROADS

REDEVELOPMENT AUTHORITY 9200 BASIL COURT, SUITE 504 LARGO, MD 20774 CONTACT: STEPHEN PAUL, ASSOCIATE

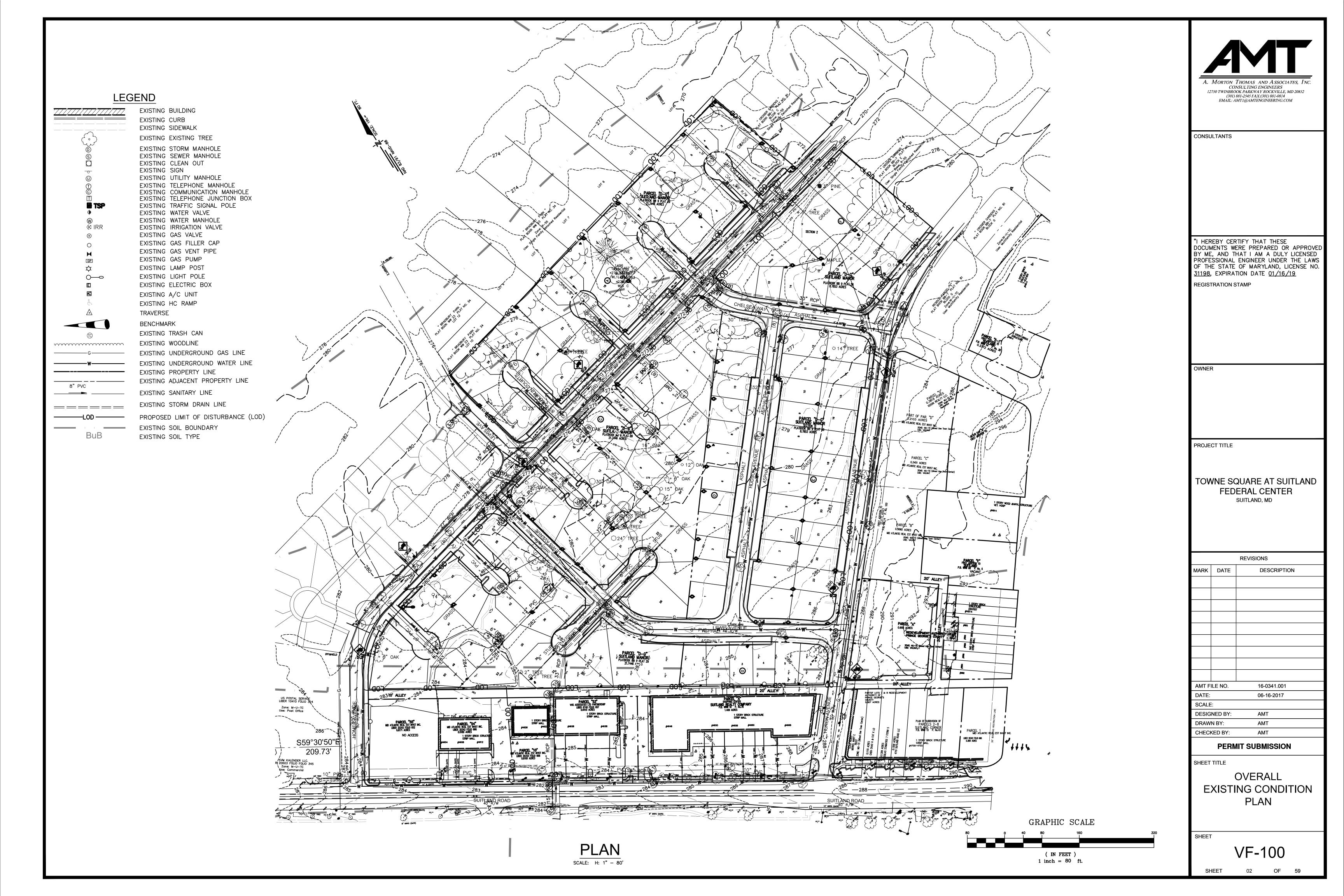
DIRECTOR EMAIL: PHONE: 301-883-7401

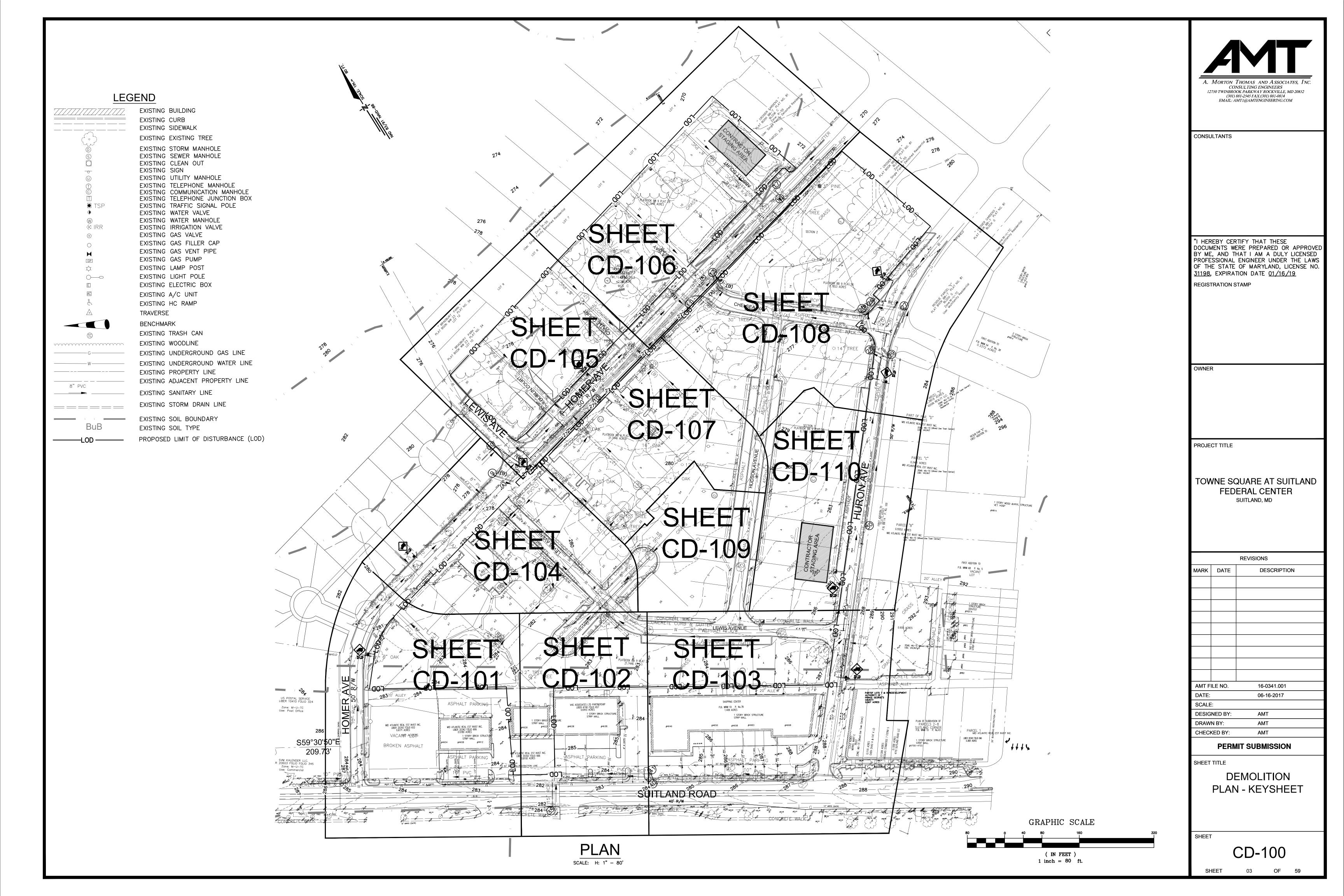
APPLICANT/ENGINEER

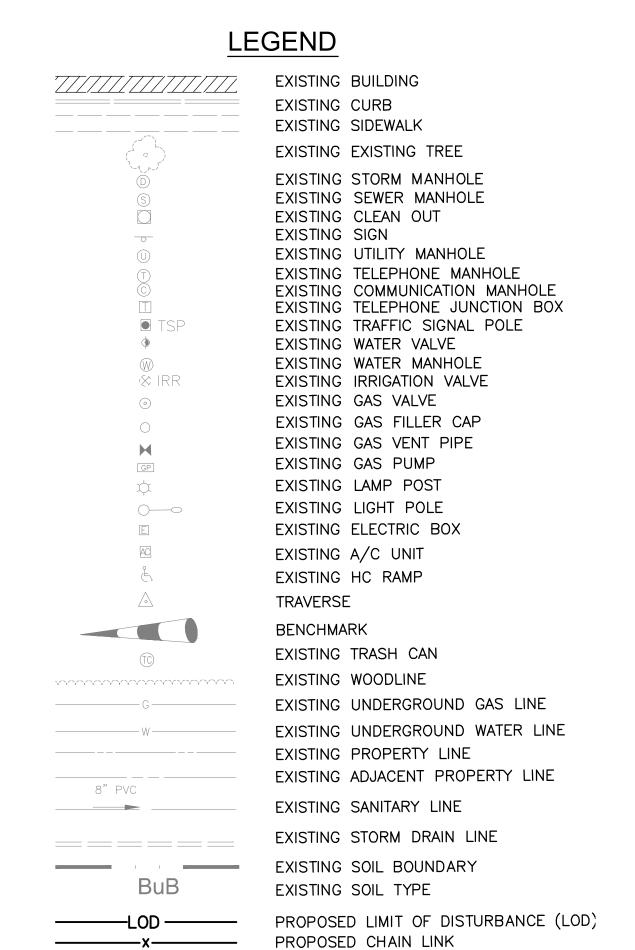
MORTON THOMAS AND ASSOCIATES 800 KING FARM DRIVE, 4TH FLOOR ROCKVILLE, MD 20850 ENGINEER: AARON SMITH, P.E. PHONE: 301-881-2545

OWNER'S INFORMATION

SJPAUL@CO.PG.MD.US



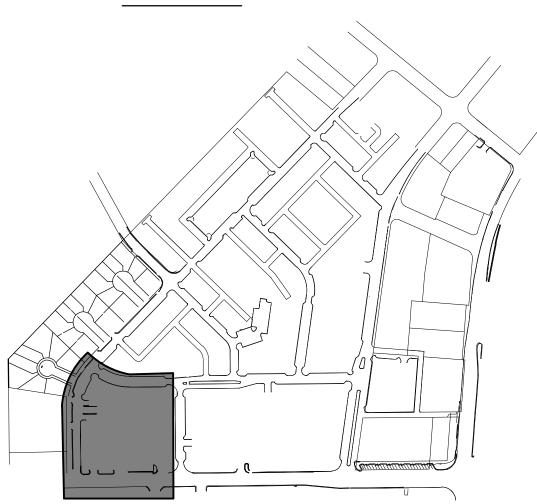


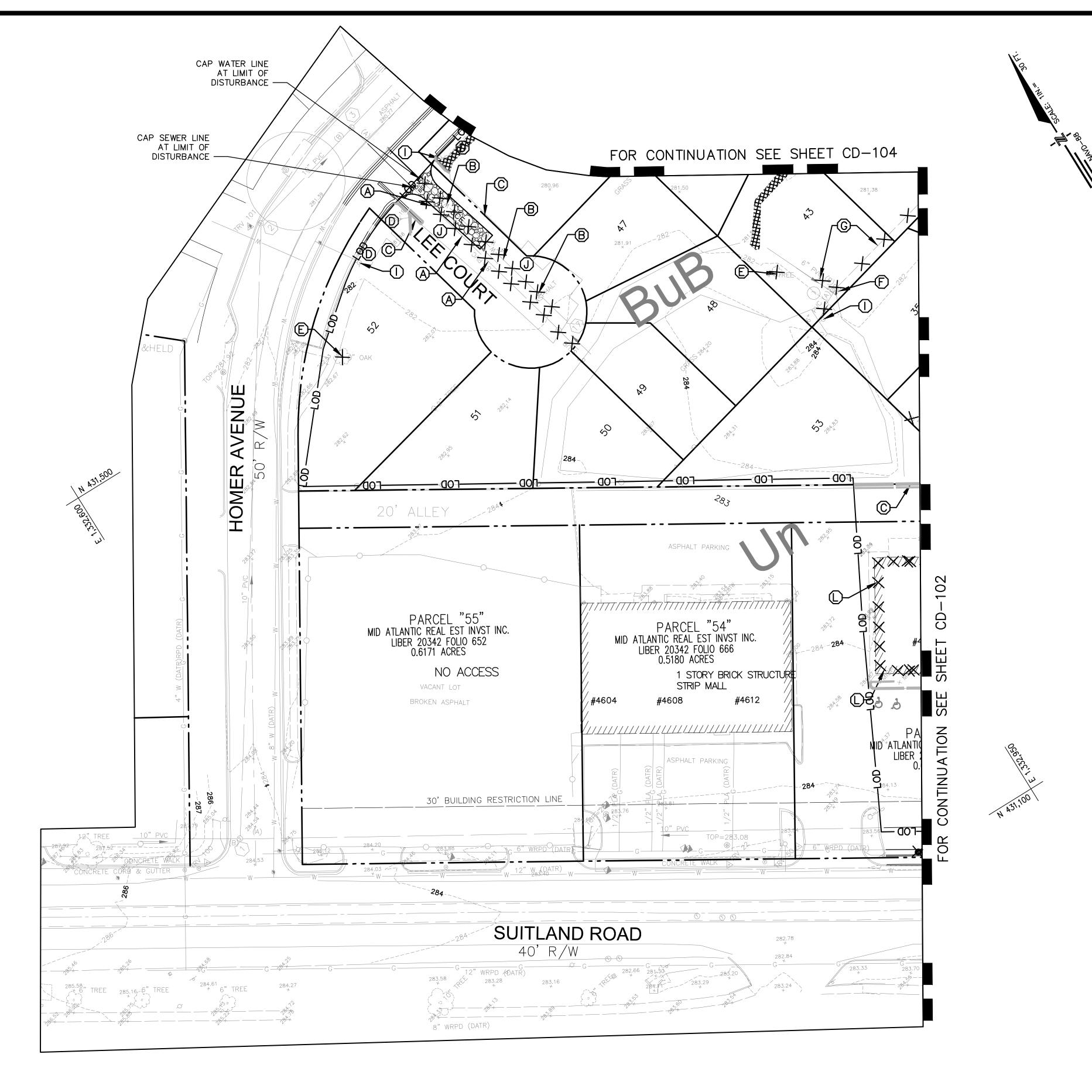


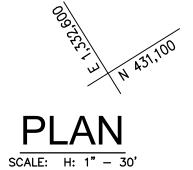
# **DEMO KEY**

A REMOVE EXISTING SANITARY LINE TO LOD
B REMOVE EXISTING WATER LINE TO LOD
C REMOVE EXISTING CURB & GUTTER
D REMOVE EXISTING CONCRETE SIDEWALK
E REMOVE EXISTING TREE
F REMOVE EXISTING STORM DRAIN STRUCTURE
G REMOVE EXISTING STORM DRAIN LINE
H REMOVE EXISTING GAS LINE
T REMOVE EXISTING ELECTRIC POLE
J REMOVE EXISTING PAVING
K REMOVE EXISTING SIGNS
L REMOVE EXISTING BUILDING

#### **KEY MAP**









CONSULTANTS

"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31198, EXPIRATION DATE 01/16/19

REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

MARK DATE DESCRIPTION

MARK DATE DESCRIPTION

AMT FILE NO. 16-0341.001

AMT FILE NO.		16-0341.001
DATE:		06-16-2017
SCALE	:	
DESIG	NED BY:	AMT
DRAWI	N BY:	AMT
CHECK	(ED BY:	AMT

PERMIT SUBMISSION

SHEET TITLE

DEMOLITION PLAN

GRAPHIC SCALE

O 15 30 60

( IN FEET )
1 inch = 30 ft.

SHEET

**CD-101**SHEET 04 OF 59

#### LEGEND EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK EXISTING EXISTING TREE EXISTING STORM MANHOLE EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN EXISTING UTILITY MANHOLE EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX EXISTING TRAFFIC SIGNAL POLE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE ⊗ IRR EXISTING GAS VALVE EXISTING GAS FILLER CAP EXISTING GAS VENT PIPE EXISTING GAS PUMP EXISTING LAMP POST EXISTING LIGHT POLE EXISTING ELECTRIC BOX EXISTING A/C UNIT EXISTING HC RAMP TRAVERSE BENCHMARK EXISTING TRASH CAN EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE EXISTING ADJACENT PROPERTY LINE 8" PVC EXISTING SANITARY LINE \_\_\_ EXISTING STORM DRAIN LINE EXISTING SOIL BOUNDARY EXISTING SOIL TYPE

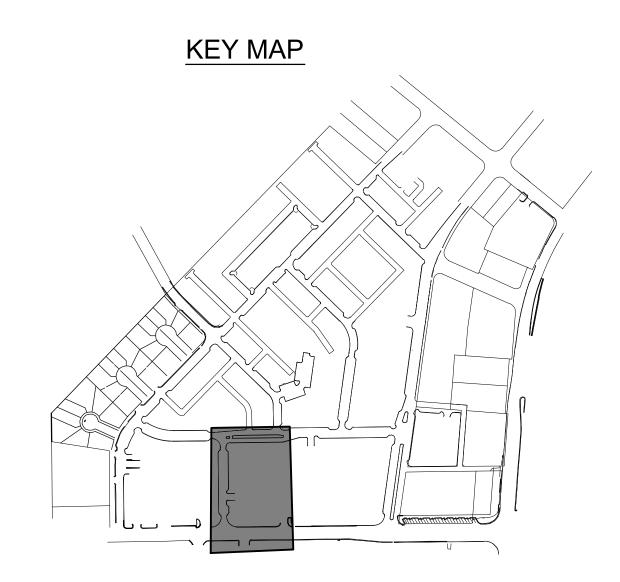
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K REMOVE EXISTING SIGNS
L REMOVE EXISTING BUILDING
M REMOVE EXISTING SHRUBS
N REMOVE EXISTING FENCE

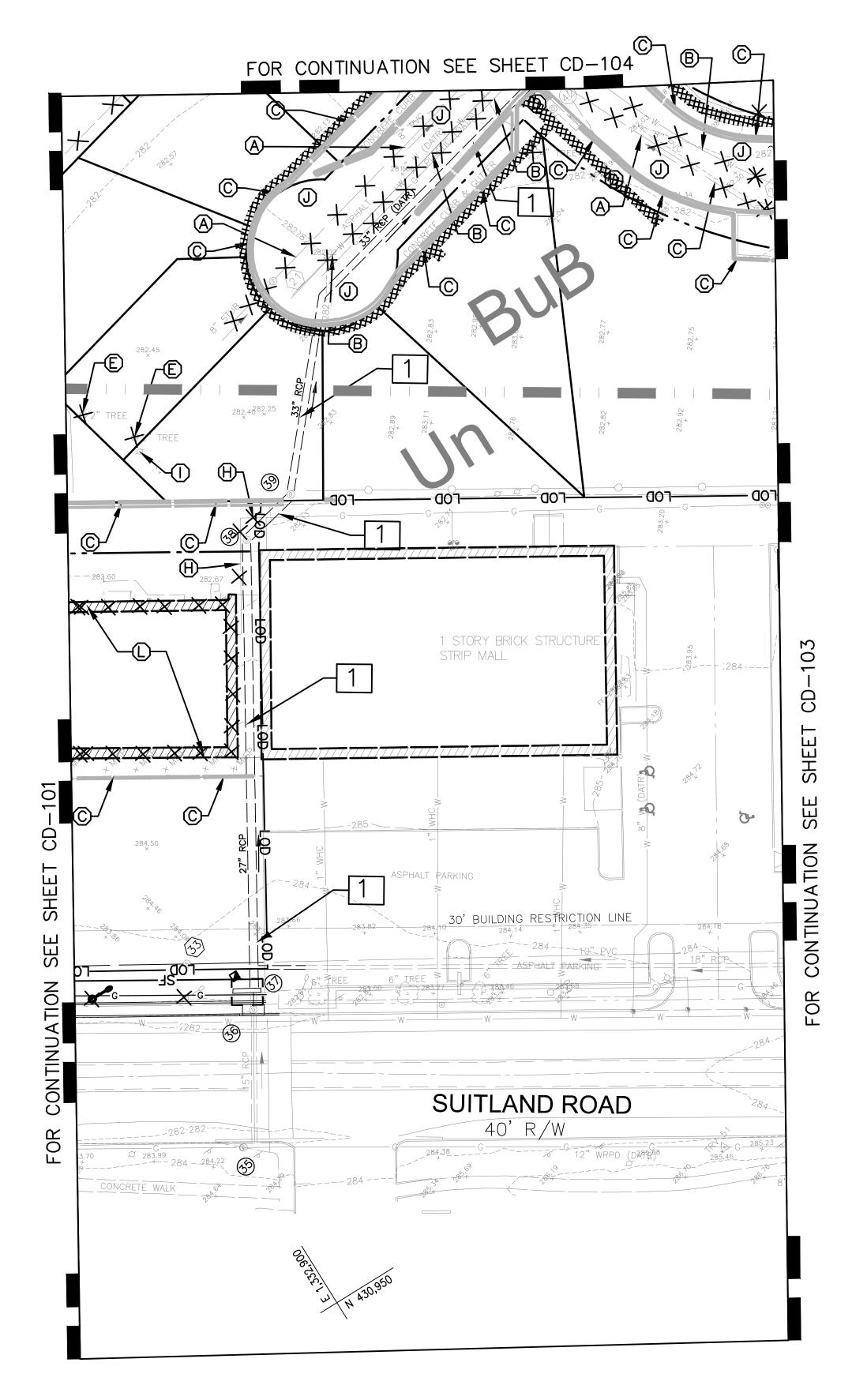
PROPOSED LIMIT OF DISTURBANCE (LOD)

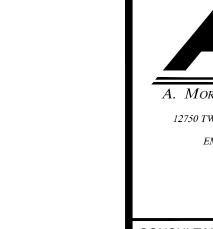
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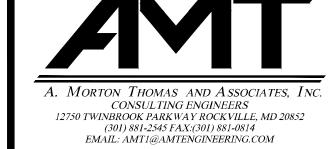
1 KEEP STORM DRAIN PIPE ACTIVE DURING DEMOLITION PROCESS UNTIL THE NEW STORM DRAIN SYSTEM IS CONSTRUCTED. IN PHASE 1A











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REGISTRATION STAMP

OWNED

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER

SUITLAND, MD

REVISIONS		
MARK	DATE	DESCRIPTION
AMT FILE NO.		16-0341.001
DATE:		06-16-2017
SCALE:		
DESIGNED BY:		AMT
DRAWN BY:		AMT

AMT

PERMIT SUBMISSION

SHEET TITLE

CHECKED BY:

**DEMOLITION PLAN** 

SHEET

GRAPHIC SCALE

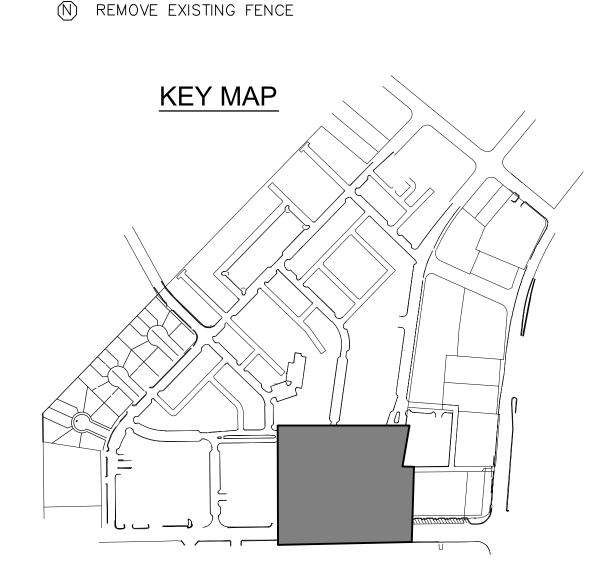
( IN FEET ) 1 inch = 30 ft. CD-102
HEET 05 OF 59

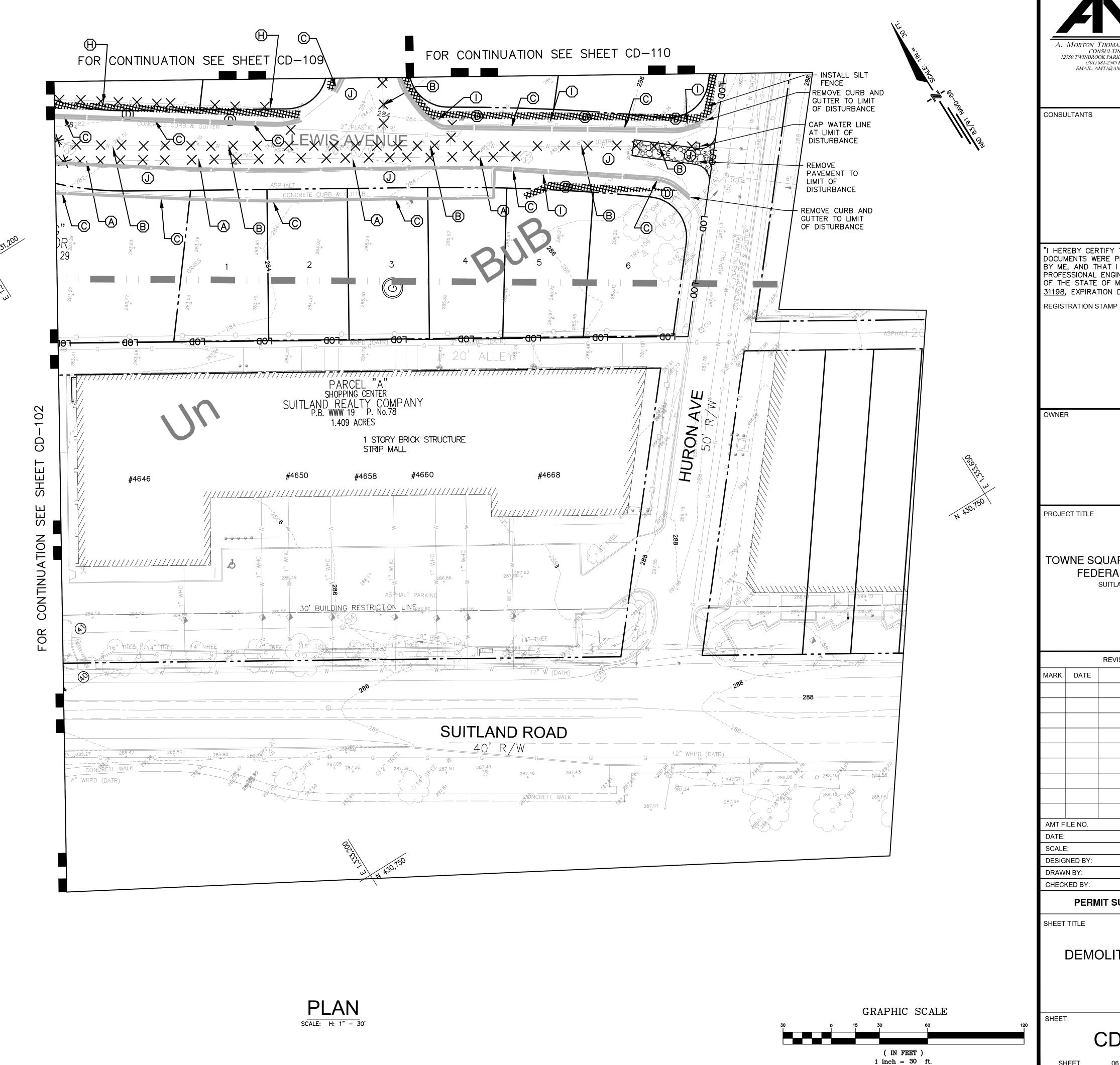
PLAN
SCALE: H: 1" - 30'

#### LEGEND EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK EXISTING EXISTING TREE EXISTING STORM MANHOLE EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN EXISTING UTILITY MANHOLE EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX EXISTING TRAFFIC SIGNAL POLE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE EXISTING GAS VALVE EXISTING GAS FILLER CAP EXISTING GAS VENT PIPE EXISTING GAS PUMP EXISTING LAMP POST EXISTING LIGHT POLE EXISTING ELECTRIC BOX EXISTING A/C UNIT EXISTING HC RAMP TRAVERSE BENCHMARK EXISTING TRASH CAN EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE EXISTING ADJACENT PROPERTY LINE 8" PVC EXISTING SANITARY LINE EXISTING STORM DRAIN LINE EXISTING SOIL BOUNDARY EXISTING SOIL TYPE PROPOSED LIMIT OF DISTURBANCE (LOD)

# **DEMO KEY**

(A) REMOVE EXISTING SANITARY LINE REMOVE EXISTING WATER LINE TO LOD REMOVE EXISTING CURB & GUTTER TO LOD REMOVE EXISTING CONCRETE SIDEWALK REMOVE EXISTING TREE REMOVE EXISTING STORM DRAIN STRUCTURE REMOVE EXISTING STORM DRAIN LINE REMOVE EXISTING GAS LINE REMOVE EXISTING ELECTRIC POLE REMOVE EXISTING PAVING TO LOD REMOVE EXISTING SIGNS REMOVE EXISTING BUILDING REMOVE EXISTING SHRUBS





CONSULTING ENGINEERS 12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852 (301) 881-2545 FAX:(301) 881-0814 EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

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PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

REVISIONS

DESCRIPTION

AMT FILE NO. 16-0341.001 DATE: 06-16-2017 SCALE:

PERMIT SUBMISSION

AMT AMT

AMT

SHEET TITLE

**DEMOLITION PLAN** 

SHEET

CD-103



# DEMO KEY

REMOVE EXISTING SANITARY LINE TO LOD

B REMOVE EXISTING WATER LINE TO LOD

C REMOVE EXISTING CURB & GUTTER TO LOD

D REMOVE EXISTING CONCRETE SIDEWALK
E REMOVE EXISTING TREE

F REMOVE EXISTING STORM DRAIN STRUCTURE
G REMOVE EXISTING STORM DRAIN LINE
H REMOVE EXISTING GAS LINE
I REMOVE EXISTING ELECTRIC POLE
J REMOVE EXISTING PAVING TO LOD

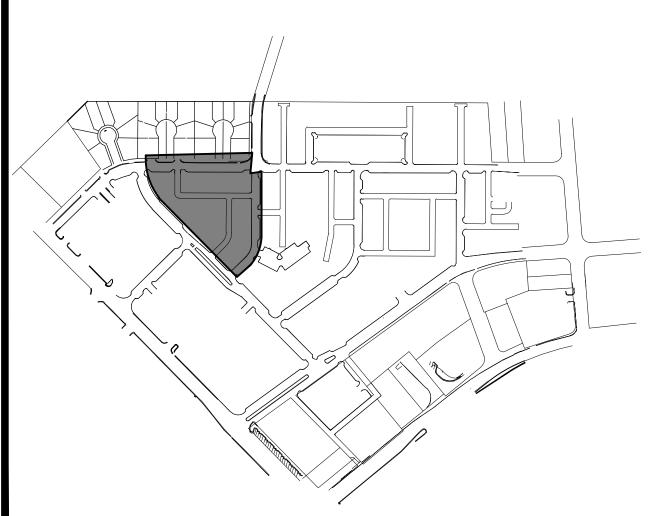
K REMOVE EXISTING SIGNS

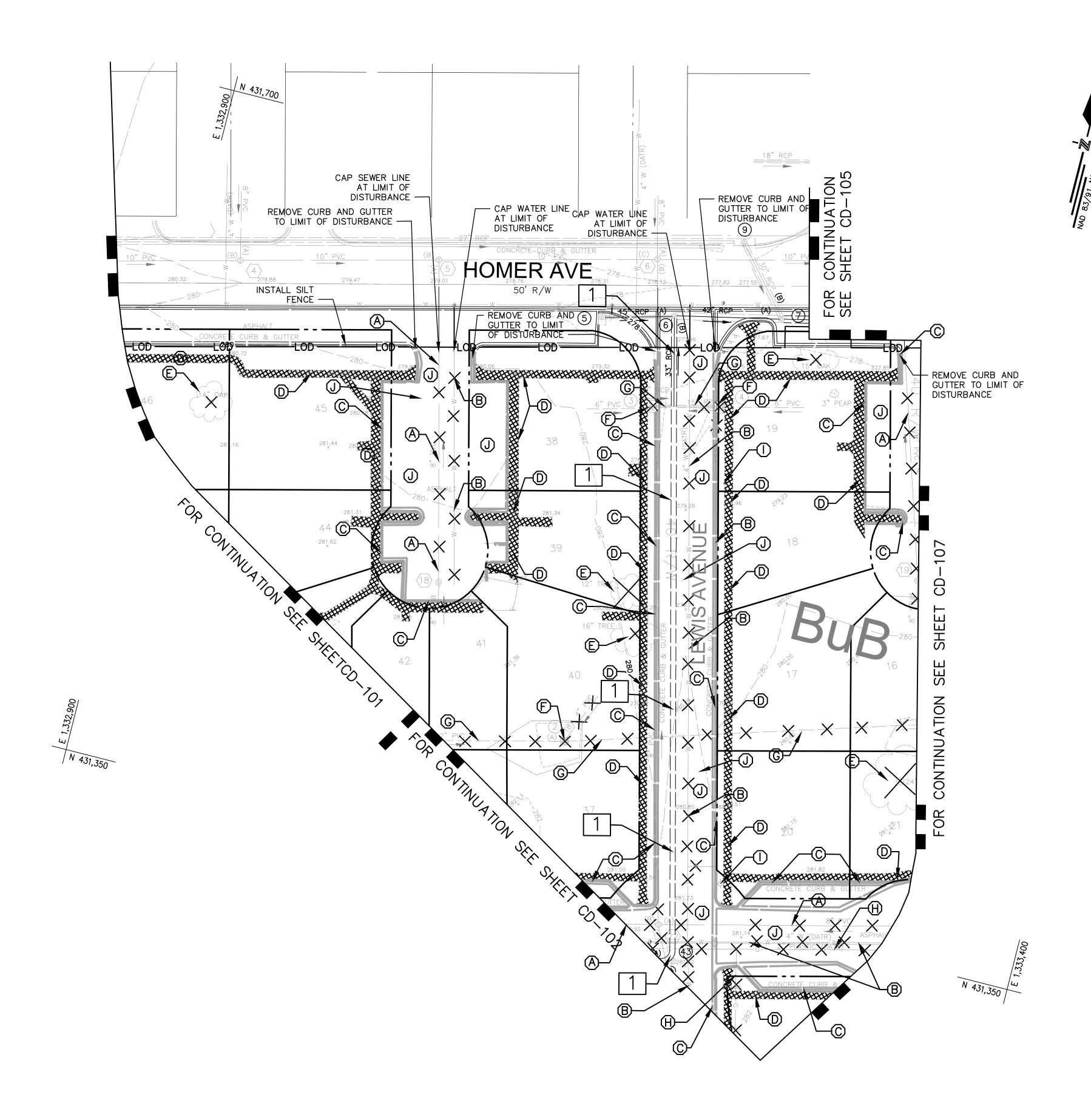
(L) REMOVE EXISTING BUILDING
(M) REMOVE EXISTING SHRUBS
(N) REMOVE EXISTING FENCE

# **KEY NOTE**

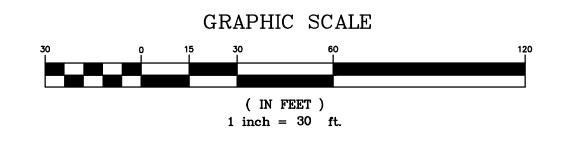
1 KEEP STORM DRAIN PIPE ACTIVE DURING DEMOLITION PROCESS UNTIL THE NEW STORM DRAIN SYSTEM IS CONSTRUCTED.

# KEY MAP





PLAN
SCALE: H: 1" - 30'



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REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

REVISIONS

MARK	DATE	DESCRIPTION
AMT FILE NO.		16-0341.001
DATE:		06-16-2017
SCALE	<u>:</u>	
DESIGNED BY:		AMT

AMT

AMT

PERMIT SUBMISSION

SHEET TITLE

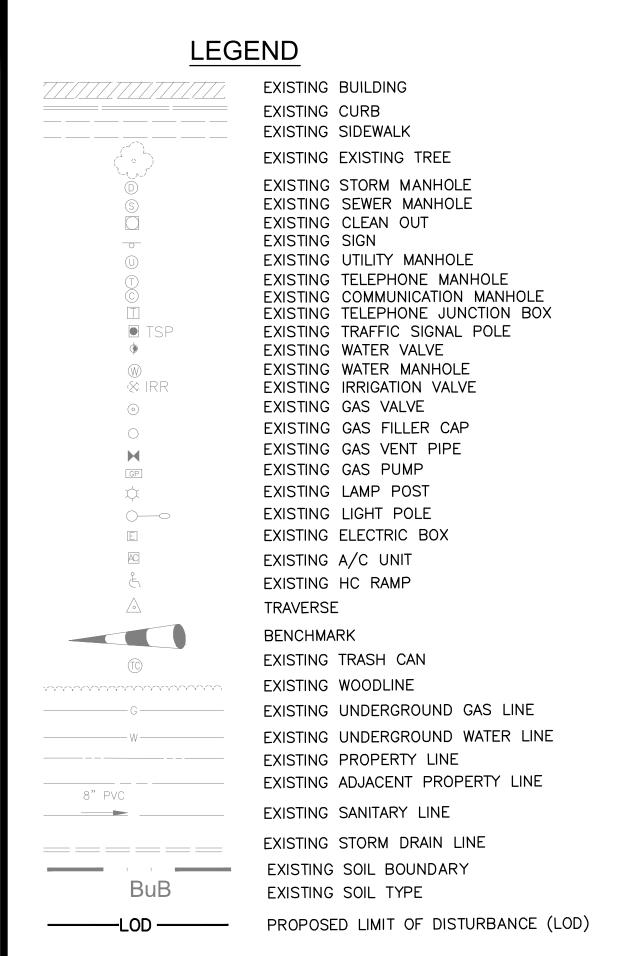
DRAWN BY: CHECKED BY:

**DEMOLITION PLAN** 

SHFFT

SHEET

CD-104

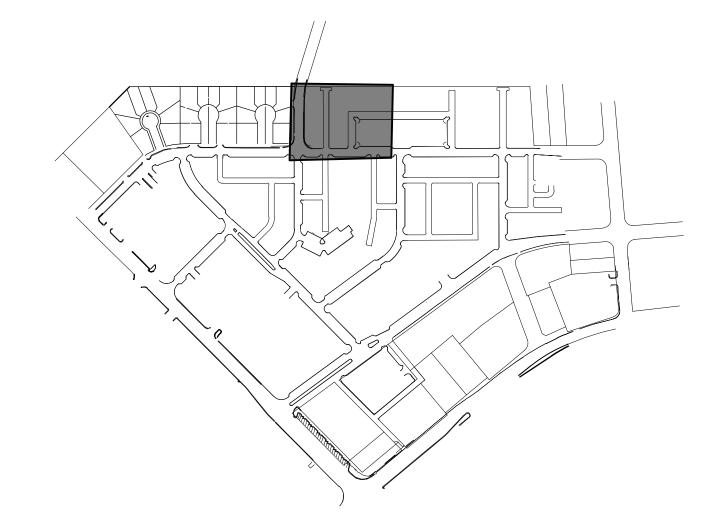


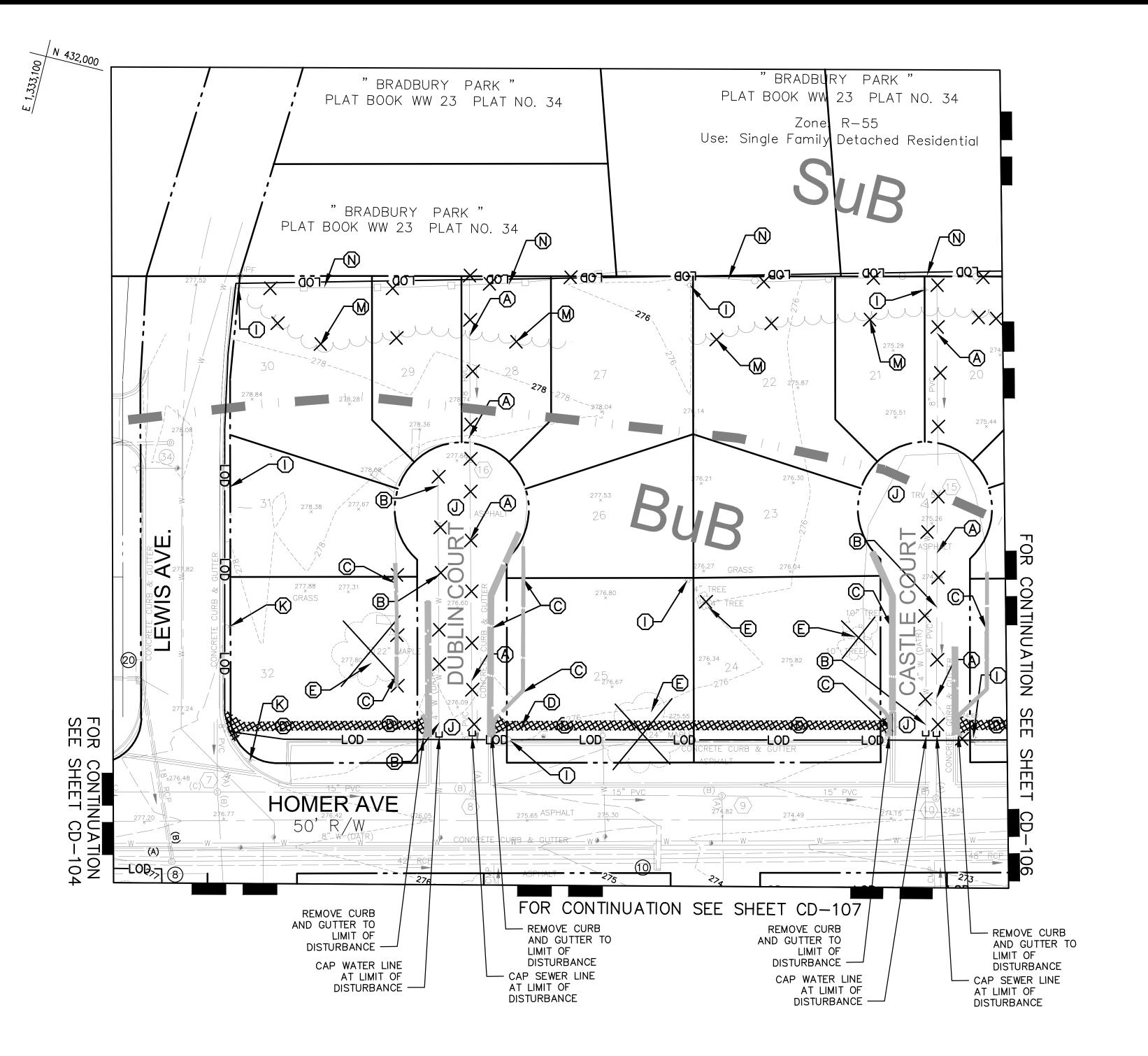
# **DEMO KEY**

- (A) REMOVE EXISTING SANITARY LINE TO LOD (B) REMOVE EXISTING WATER LINETO LOD
- © REMOVE EXISTING CURB & GUTTER TO LOD
- REMOVE EXISTING CONCRETE SIDEWALK
- REMOVE EXISTING TREE
- F REMOVE EXISTING STORM DRAIN STRUCTURE
- © REMOVE EXISTING STORM DRAIN LINE
- REMOVE EXISTING GAS LINE
- (J) REMOVE EXISTING ELECTRIC POLE
  (J) REMOVE EXISTING PAVING TO LOD
- (K) REMOVE EXISTING SIGNS
- (M) REMOVE EXISTING BUILDING (M) REMOVE EXISTING SHRUBS
- N REMOVE EXISTING FENCE

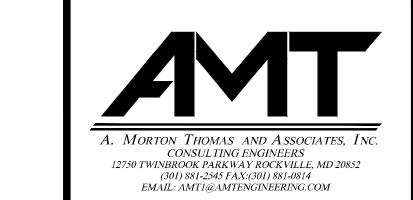
#### **KEY MAP**

N 431,700





PLAN
SCALE: H: 1" - 30'



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N 432,000 /

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REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

REVISIONS

MARK DATE DESCRIPTION

AMT FILE NO. 16-0341.001

DATE: 06-16-2017

SCALE:

DESIGNED BY: AMT

PERMIT SUBMISSION

AMT AMT

SHEET TITLE

DRAWN BY:

CHECKED BY:

**DEMOLITION PLAN** 

SHEET

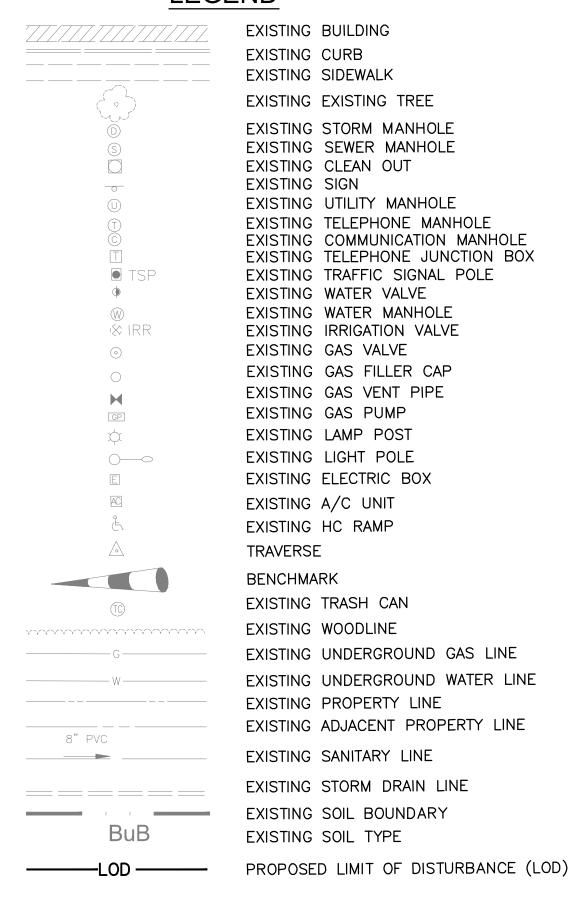
SHEET

CD-105

08 OF 59

GRAPHIC SCALE

( IN FEET )
1 inch = 30 ft.

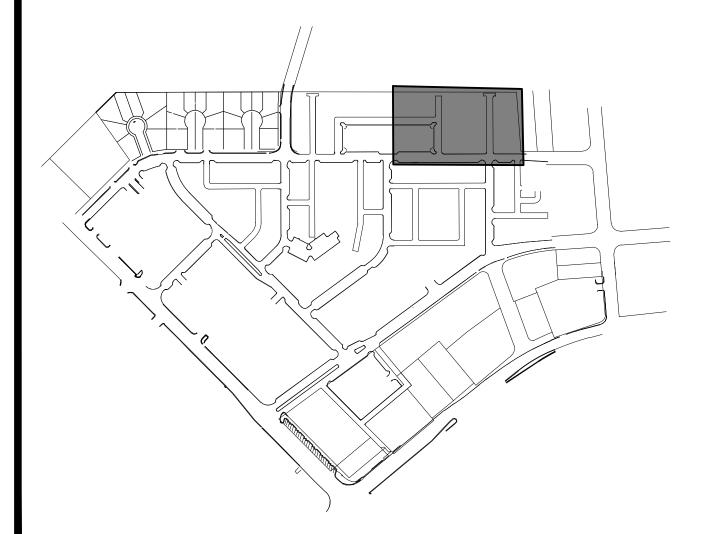


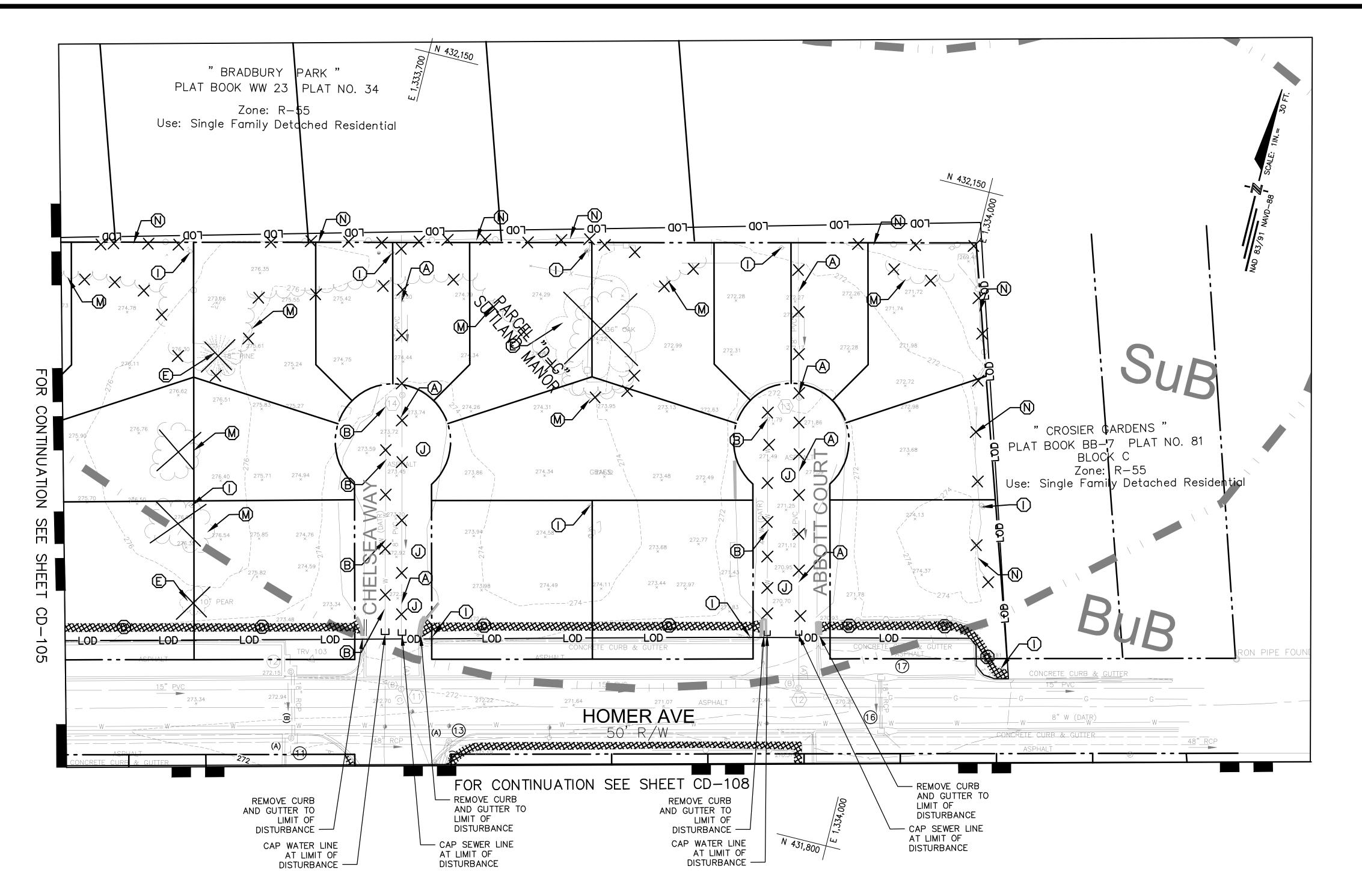
#### **DEMO KEY**

(N) REMOVE EXISTING FENCE

A REMOVE EXISTING SANITARY LINE TO LOD
B REMOVE EXISTING WATER LINE TO LOD
C REMOVE EXISTING CURB & GUTTER LOD
D REMOVE EXISTING CONCRETE SIDEWALK
E REMOVE EXISTING TREE
F REMOVE EXISTING STORM DRAIN STRUCTURE
G REMOVE EXISTING STORM DRAIN LINE
H REMOVE EXISTING GAS LINE
T REMOVE EXISTING ELECTRIC POLE
D REMOVE EXISTING PAVING LOD
K REMOVE EXISTING SIGNS
D REMOVE EXISTING BUILDING
REMOVE EXISTING SHRUBS

# **KEY MAP**





PLAN
SCALE: H: 1" - 30'



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REGISTRATION STAMP

OWNER

PROJECT TITLE

MARK DATE

TOWNE SQUARE AT SUITLAND
FEDERAL CENTER
SUITLAND, MD

DESCRIPTION

REVISIONS

AMT FILE NO.		16-0341.001
DATE:		06-16-2017
SCALE	<u>:</u>	
DESIGNED BY:		AMT
DRAWN BY:		AMT
CHECKED BY:		AMT

PERMIT SUBMISSION

SHEET TITLE

DEMOLITION PLAN

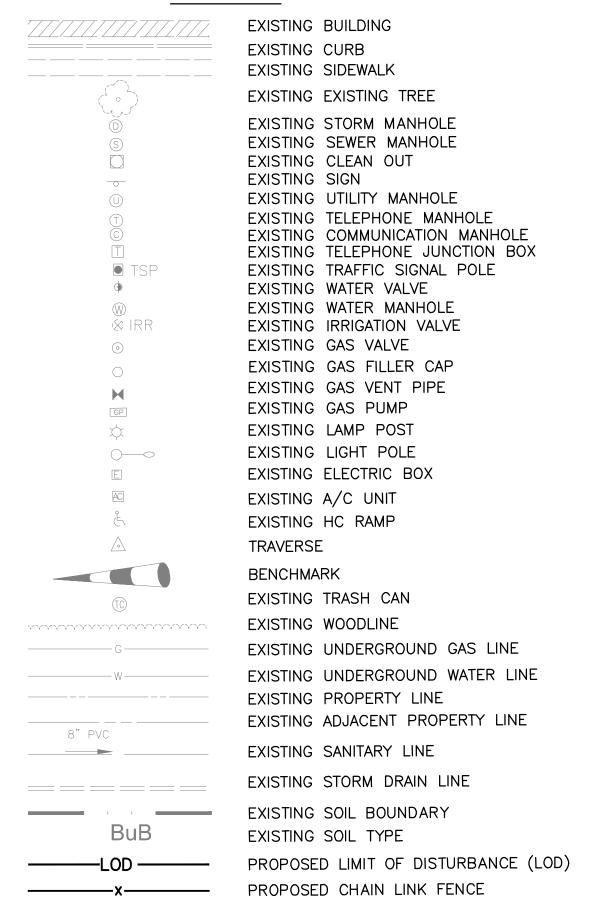
SHEET

SHEET

GRAPHIC SCALE

( IN FEET )
1 inch = 30 ft.

**CD-106**ET 09 OF 59

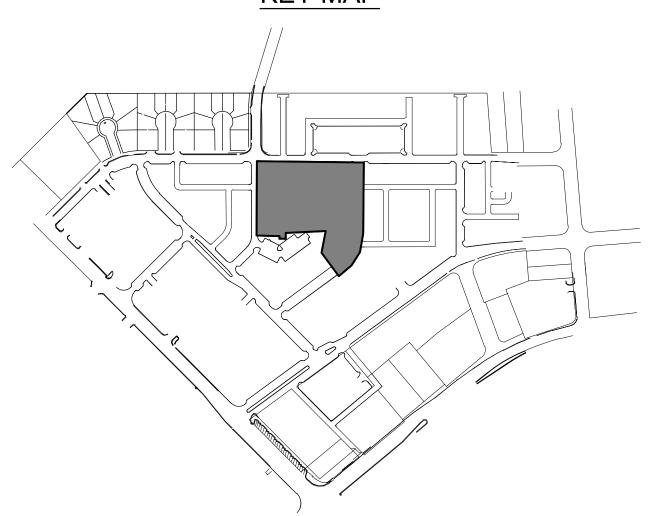


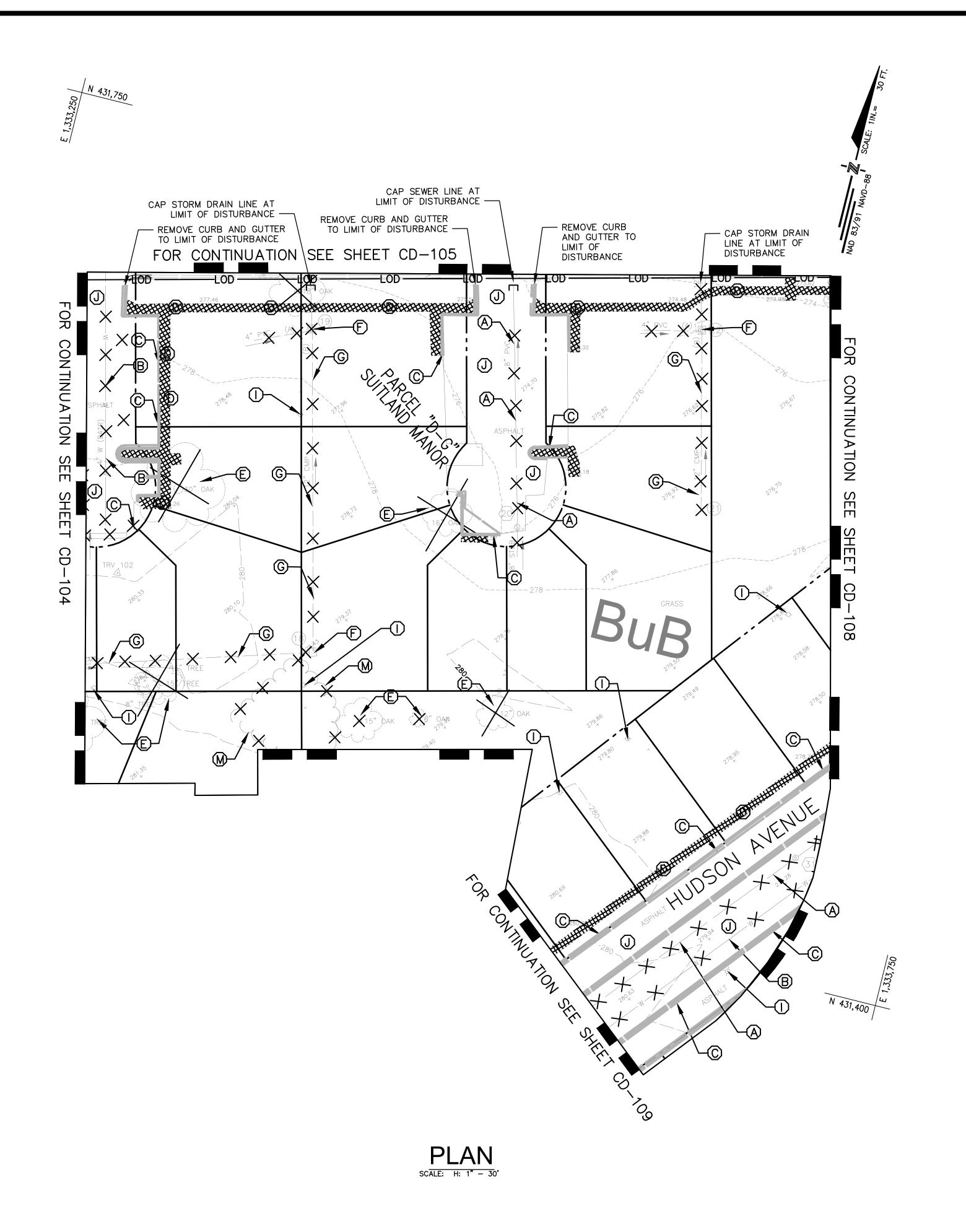
# **DEMO KEY**

 $(\overline{N})$  REMOVE EXISTING FENCE

A REMOVE EXISTING SANITARY LINE TO LOD
B REMOVE EXISTING WATER LINE
C REMOVE EXISTING CURB & GUTTER LOD
D REMOVE EXISTING CONCRETE SIDEWALK
E REMOVE EXISTING TREE
F REMOVE EXISTING STORM DRAIN STRUCTURE
G REMOVE EXISTING STORM DRAIN LINE LOD
H REMOVE EXISTING GAS LINE
T REMOVE EXISTING ELECTRIC POLE
D REMOVE EXISTING PAVING TO LOD
K REMOVE EXISTING SIGNS
D REMOVE EXISTING BUILDING
REMOVE EXISTING SHRUBS

#### **KEY MAP**





GRAPHIC SCALE

( IN FEET )
1 inch = 30 ft.

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REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

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DATE: 06-16-2017

DESIGNED BY: AMT

DRAWN BY: AMT

CHECKED BY: AMT

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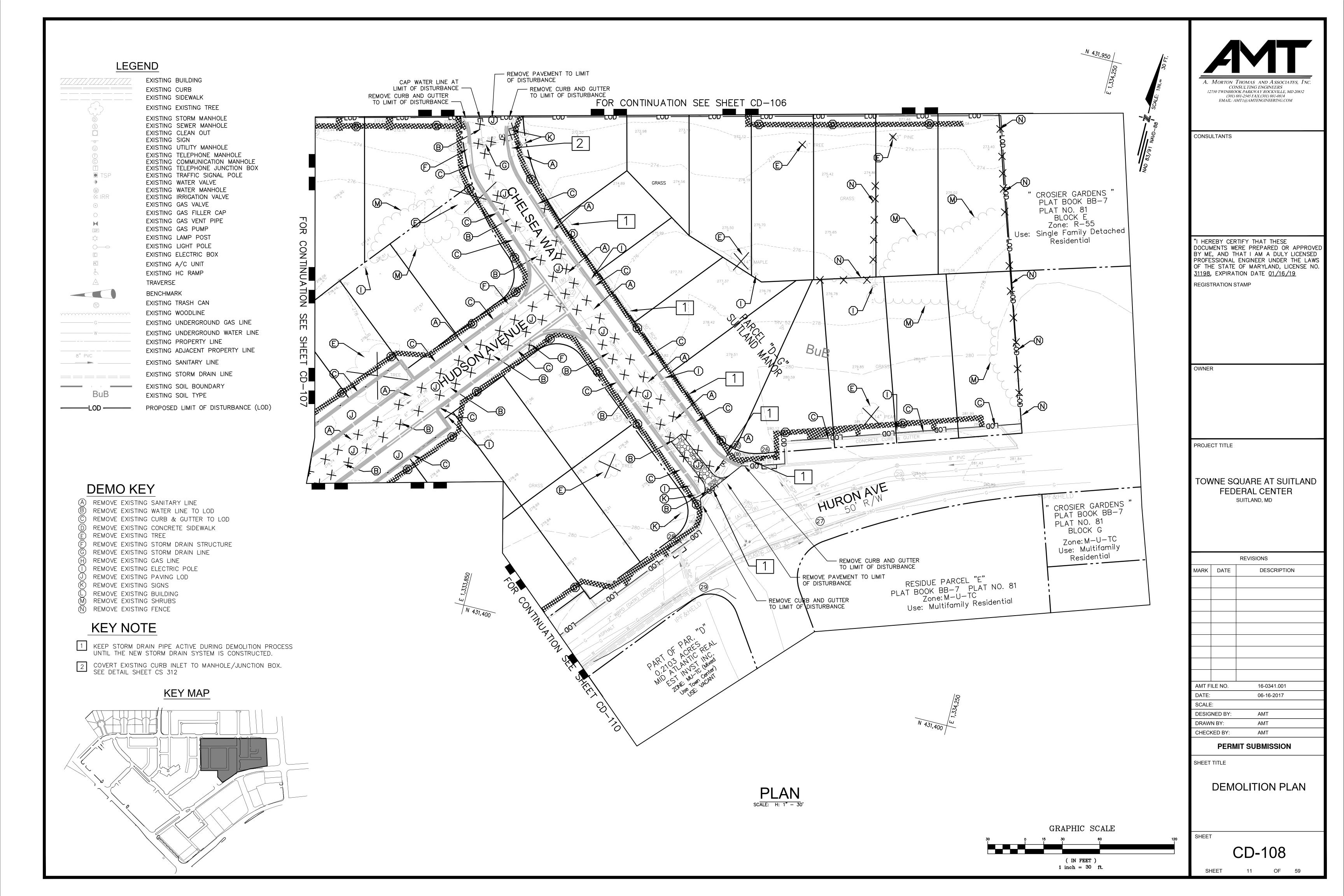
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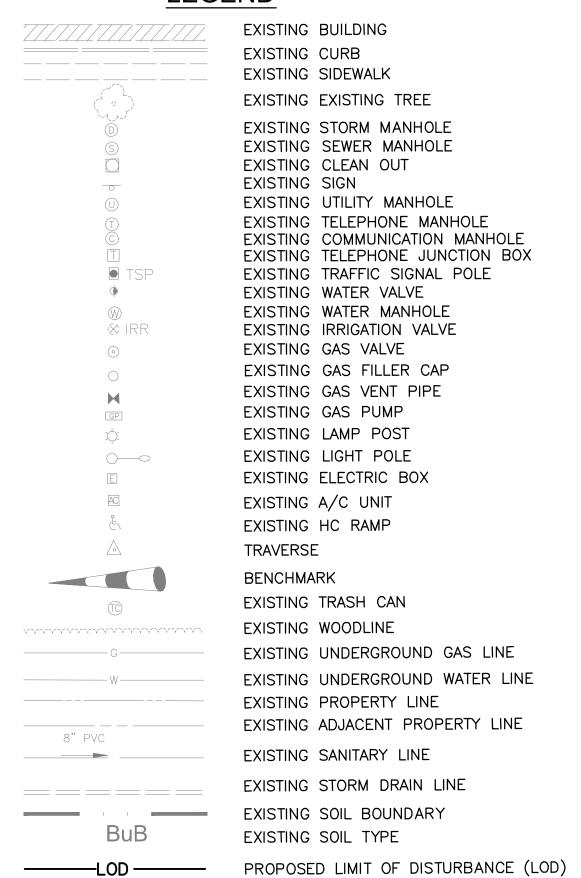
SCALE:

**DEMOLITION PLAN** 

SHEET

CD-107

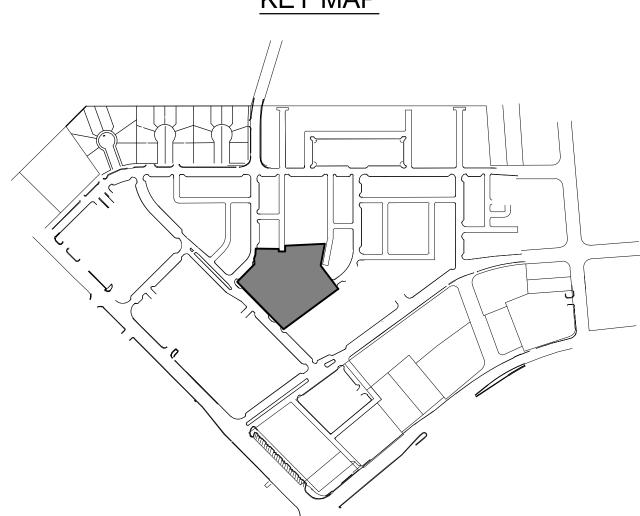


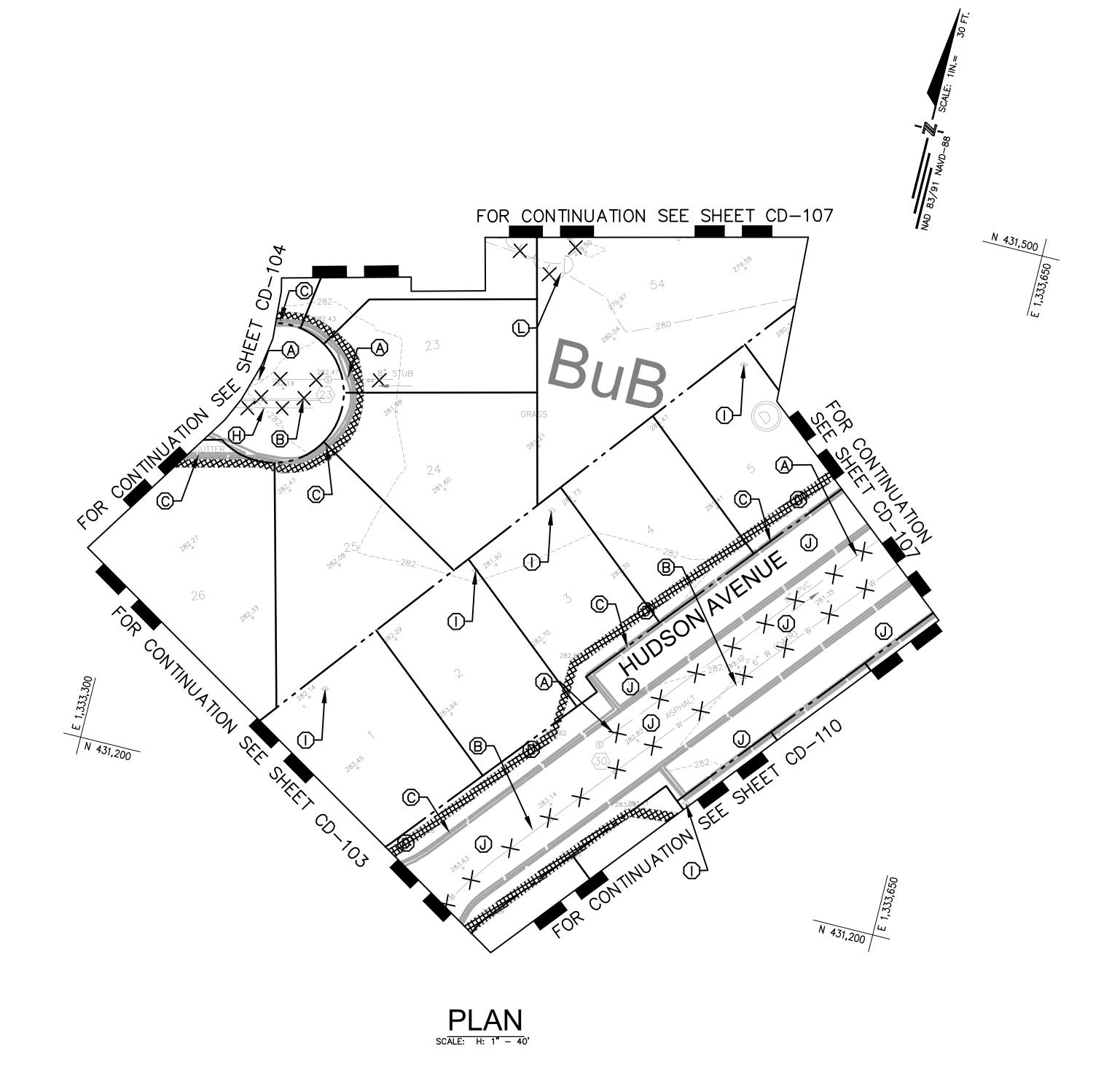


# **DEMO KEY**

```
A REMOVE EXISTING SANITARY LINE
B REMOVE EXISTING WATER LINE
C REMOVE EXISTING CURB & GUTTER
D REMOVE EXISTING CONCRETE SIDEWALK
E REMOVE EXISTING TREE
F REMOVE EXISTING STORM DRAIN STRUCTURE
G REMOVE EXISTING STORM DRAIN LINE
H REMOVE EXISTING GAS LINE
I REMOVE EXISTING ELECTRIC POLE
J REMOVE EXISTING PAVING
K REMOVE EXISTING SIGNS
L REMOVE EXISTING SHRUBS
```

# KEY MAP





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REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER

SUITLAND, MD

		REVISIONS
MARK	DATE	DESCRIPTION
AMT FILE NO.		16-0341.001
DATE:		06-16-2017

PERMIT SUBMISSION

AMT

AMT AMT

SHEET TITLE

SCALE:

DESIGNED BY:

CHECKED BY:

DRAWN BY:

**DEMOLITION PLAN** 

SHEET

SHEET

CD-109

12 OF 59

GRAPHIC SCALE

30 0 15 30 60 120

( IN FEET )
1 inch = 30 ft.

#### LEGEND EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK EXISTING EXISTING TREE EXISTING STORM MANHOLE EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN EXISTING UTILITY MANHOLE EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX EXISTING TRAFFIC SIGNAL POLE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE ⊗ IRR EXISTING GAS VALVE EXISTING GAS FILLER CAP EXISTING GAS VENT PIPE EXISTING GAS PUMP EXISTING LAMP POST EXISTING LIGHT POLE EXISTING ELECTRIC BOX EXISTING A/C UNIT EXISTING HC RAMP TRAVERSE BENCHMARK EXISTING TRASH CAN EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE EXISTING ADJACENT PROPERTY LINE 8" PVC EXISTING SANITARY LINE EXISTING STORM DRAIN LINE EXISTING SOIL BOUNDARY EXISTING SOIL TYPE PROPOSED LIMIT OF DISTURBANCE (LOD)

# **DEMO KEY**

A REMOVE EXISTING SANITARY LINE
B REMOVE EXISTING WATER LINE
C REMOVE EXISTING CURB & GUTTER

REMOVE EXISTING CONCRETE SIDEWALKREMOVE EXISTING TREE

REMOVE EXISTING STORM DRAIN STRUCTURE

© REMOVE EXISTING STORM DRAIN LINE

H REMOVE EXISTING GAS LINE

REMOVE EXISTING ELECTRIC POLE

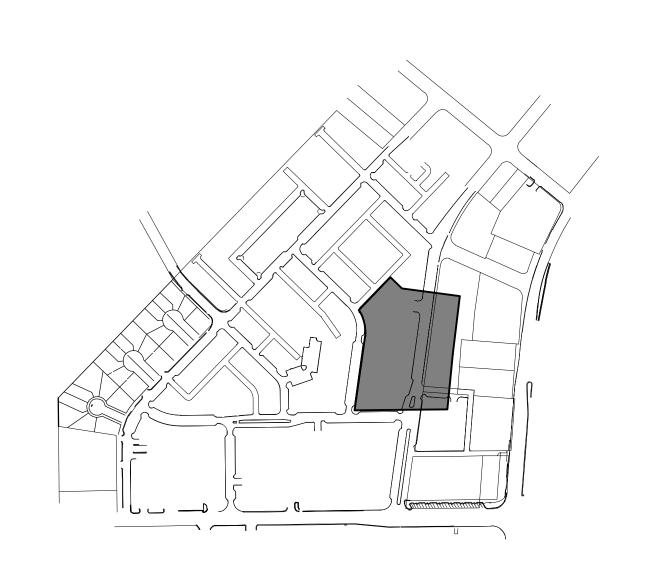
REMOVE EXISTING PAVING

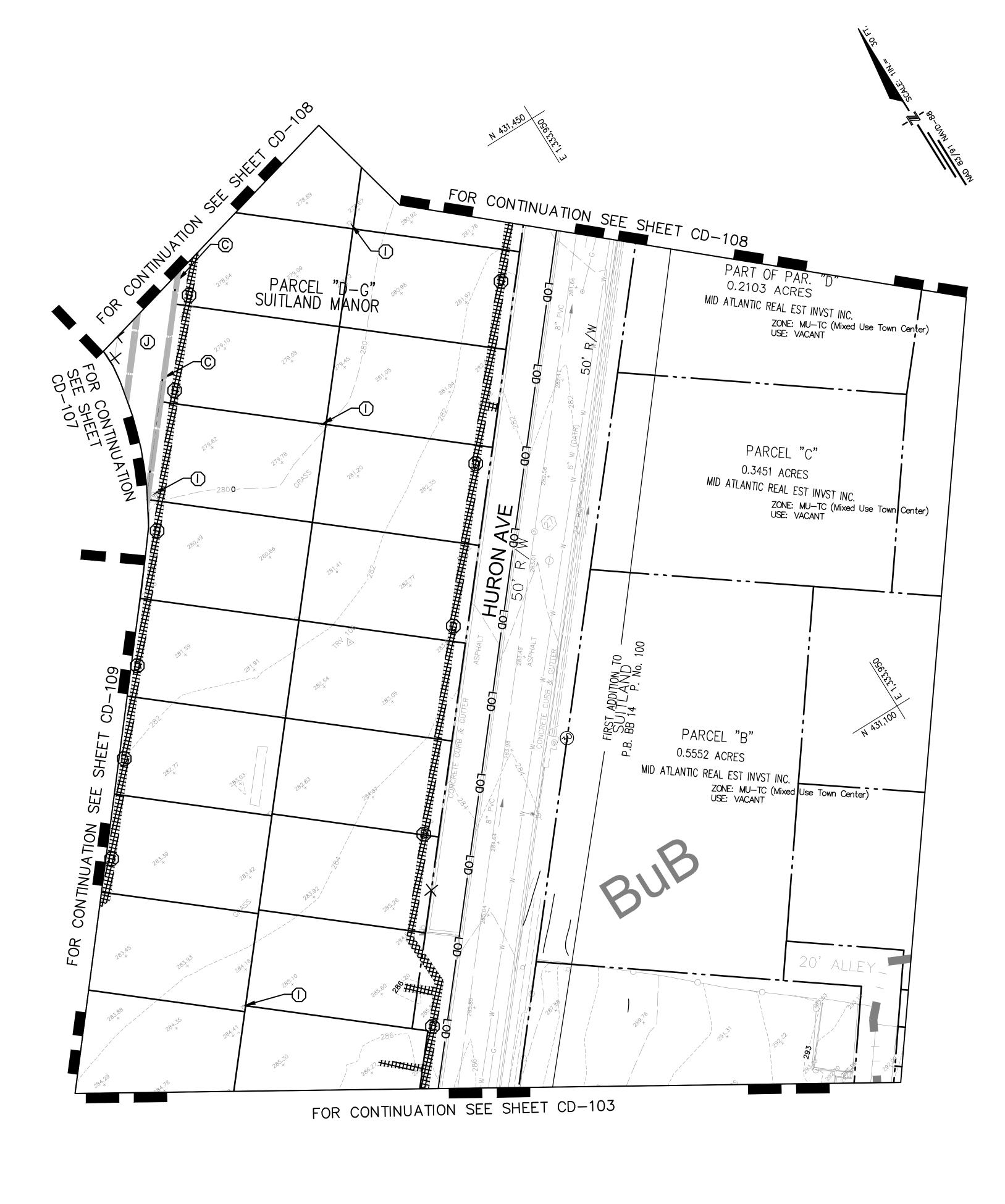
REMOVE EXISTING SIGNS

REMOVE EXISTING BUILDING

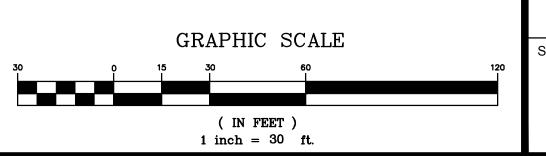
M REMOVE EXISTING SHRUBS
(N) REMOVE EXISTING FENCE

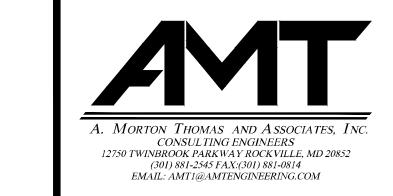
### **KEY MAP**





PLAN
SCALE: H: 1" - 30'





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REGISTRATION STAMP

OWNER

PROJECT TITLE

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REVISIONS

MARK DATE DESCRIPTION

AMT FILE NO. 16-0341.001

DATE: 06-16-2017

SCALE:

DESIGNED BY: AMT

AMT AMT

PERMIT SUBMISSION

SHEET TITLE

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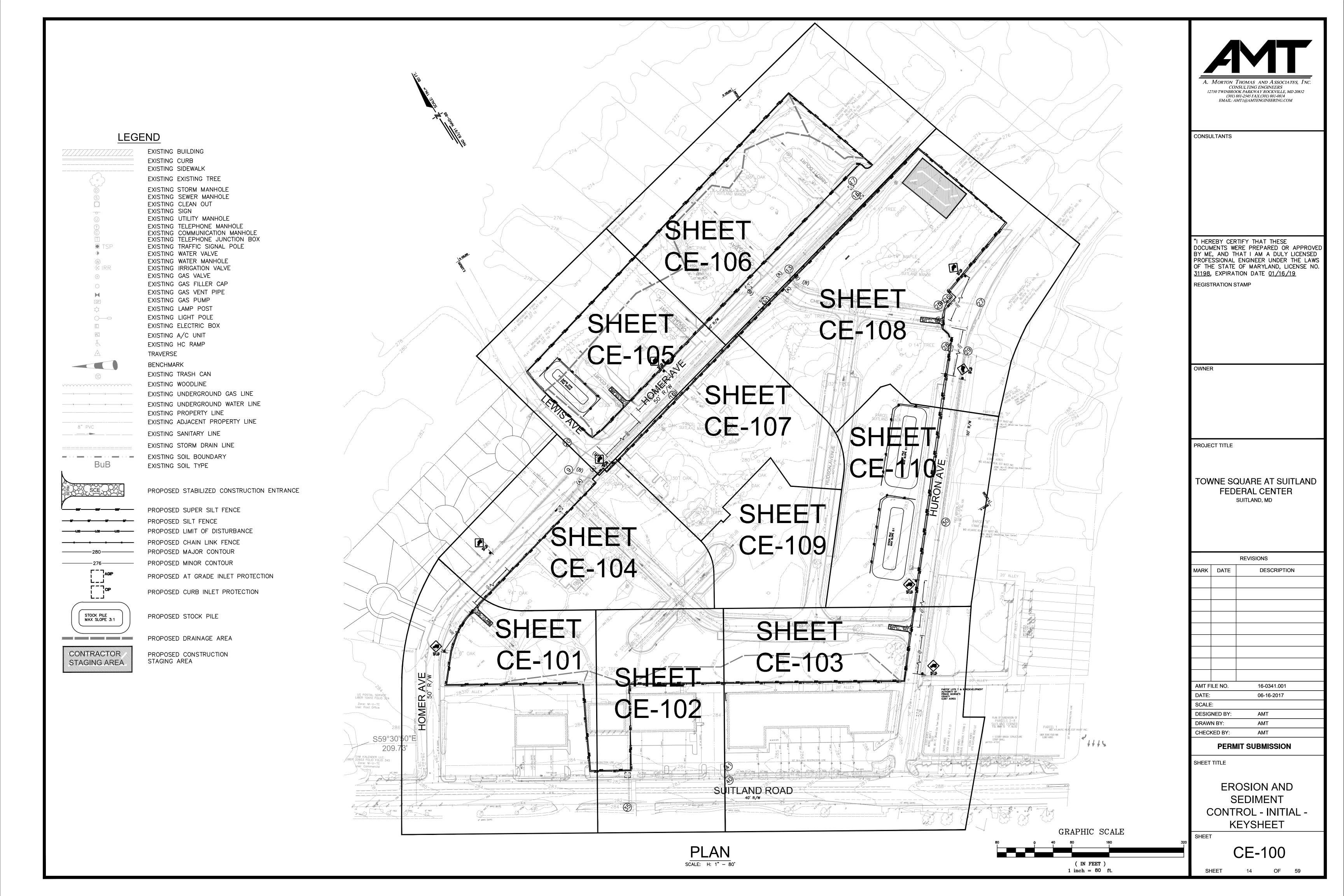
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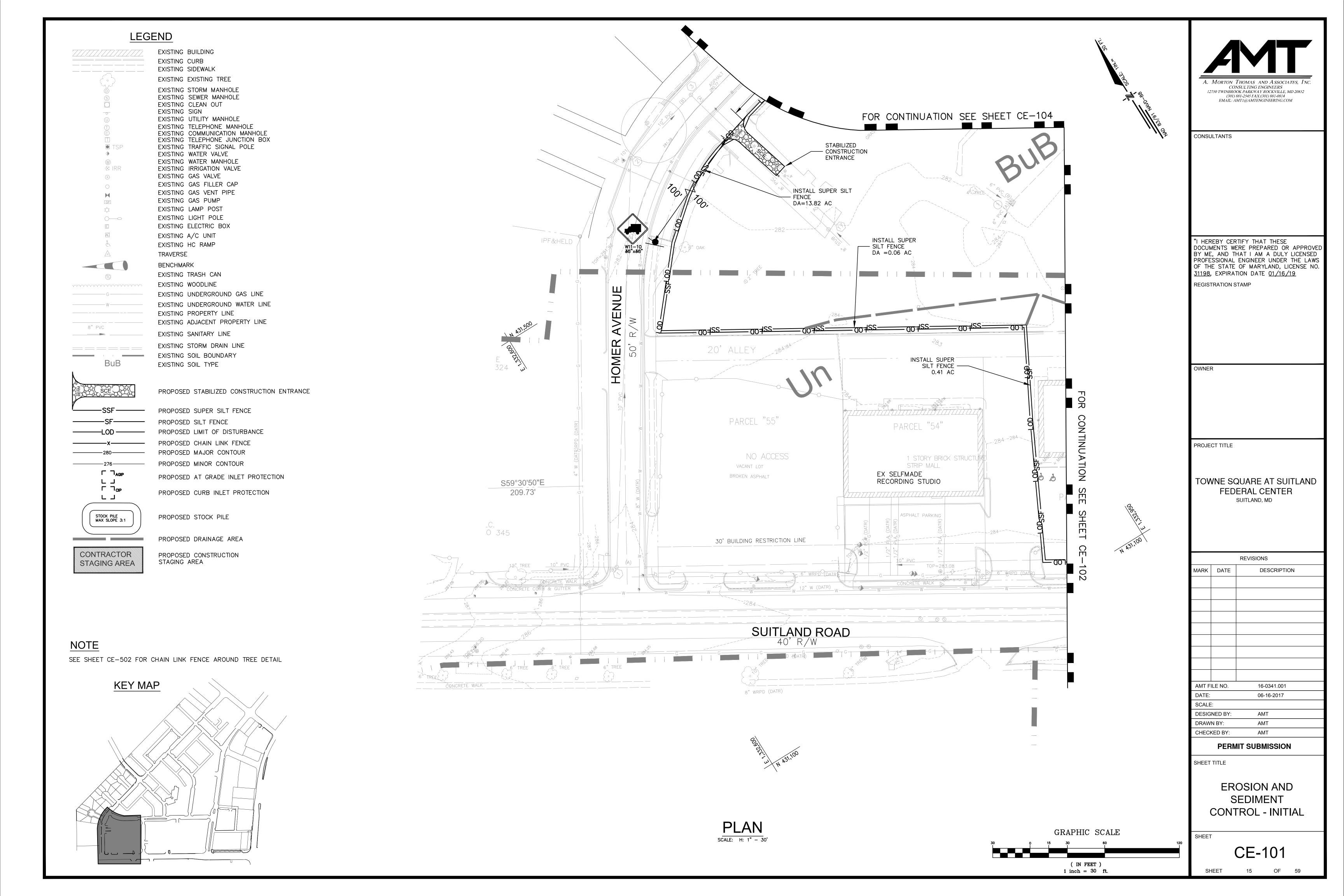
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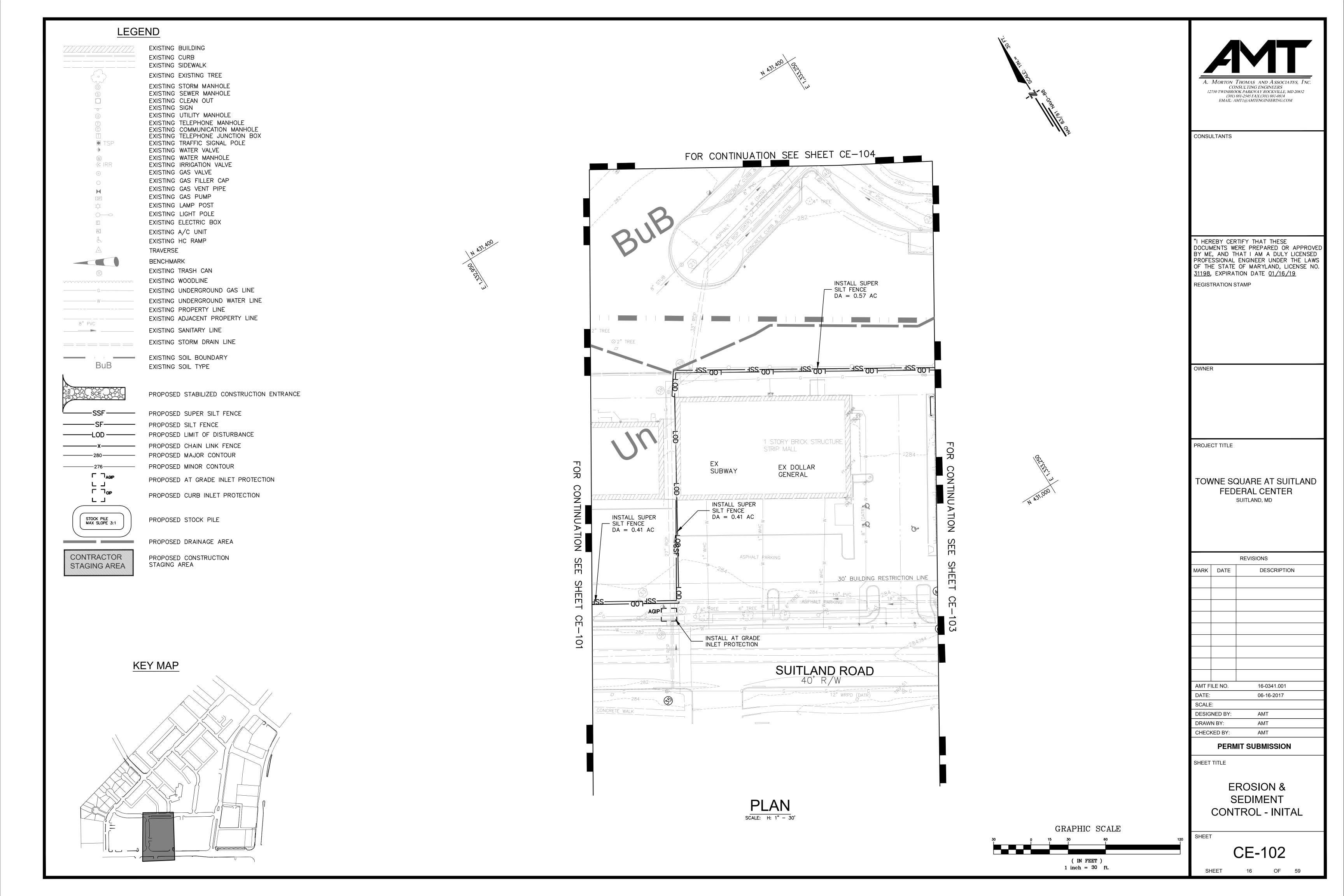
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CD-110

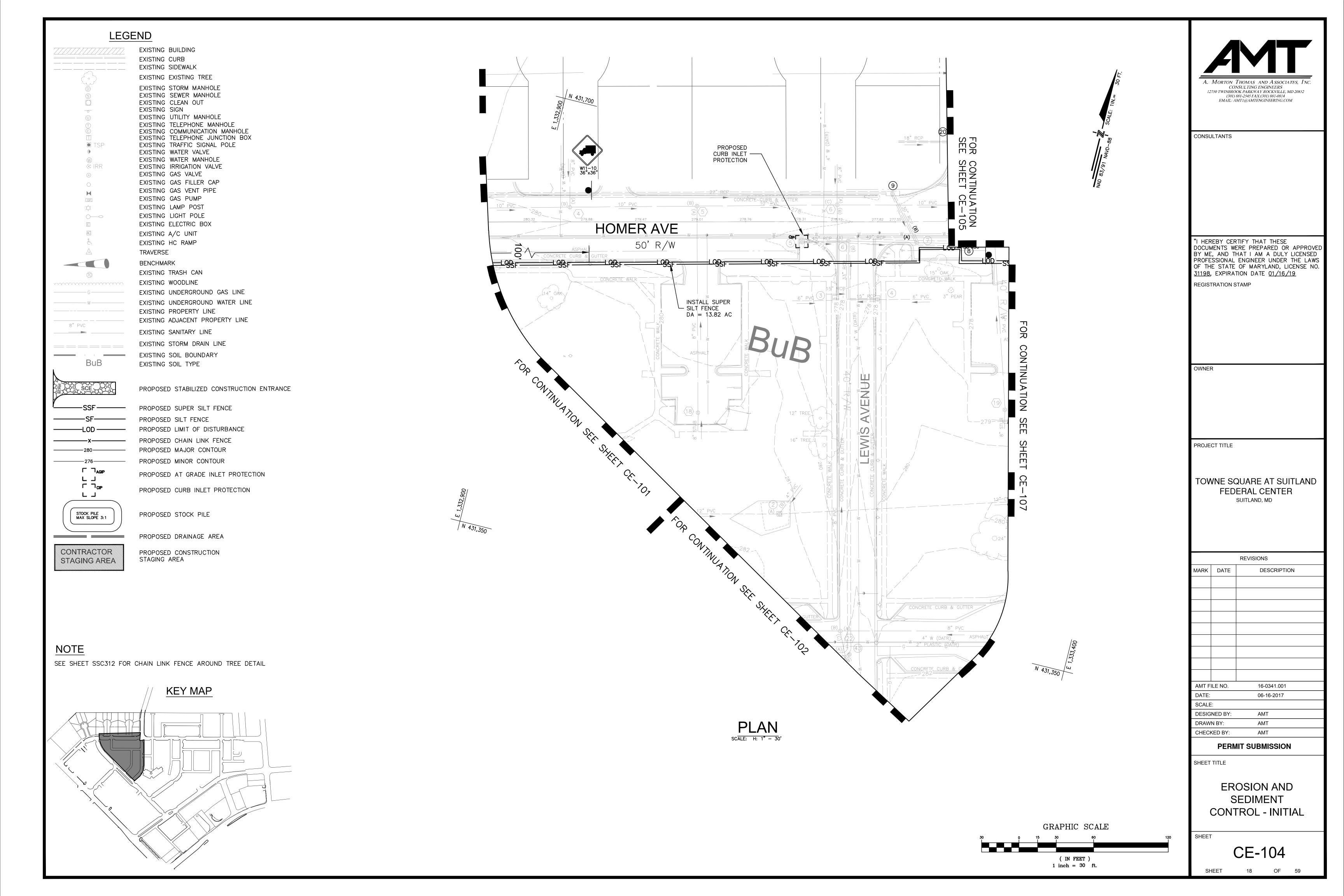
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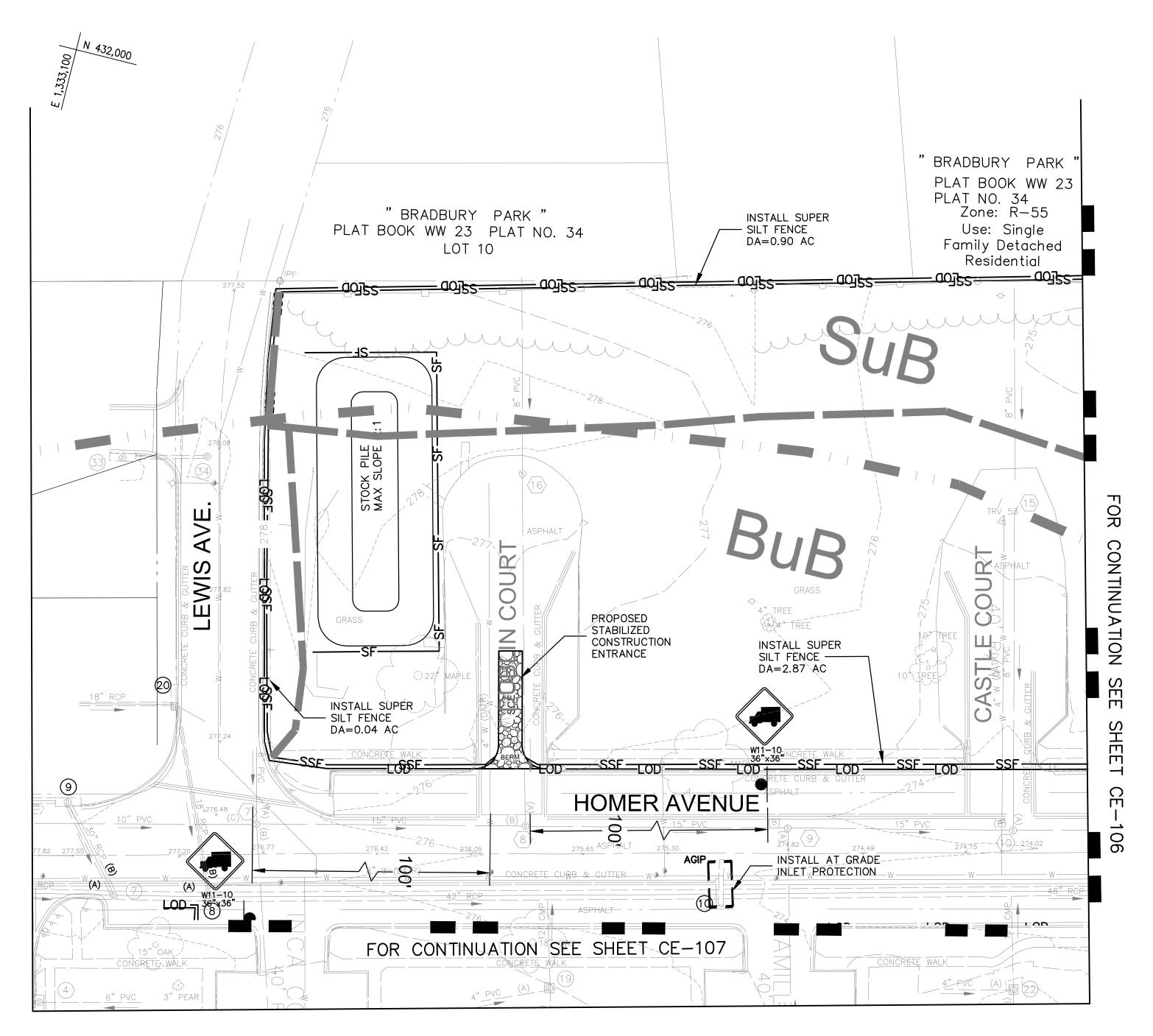




#### LEGEND EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK EXISTING EXISTING TREE FOR CONTINUATION SEE SHEET CE-110 FOR CONTINUATION SEE SHEET CE-109 CONSULTING ENGINEERS 12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852 EXISTING STORM MANHOLE (301) 881-2545 FAX:(301) 881-0814 EMAIL: AMT1@AMTENGINEERING.COM EXISTING SEWER MANHOLE INSTALL SUPER EXISTING CLEAN OUT SILT FENCE EXISTING SIGN EXISTING UTILITY MANHOLE STABILIZED CONSTRUCTION -EXISTING TELEPHONE MANHOLE CONSULTANTS ENTRANCER EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX EXISTING TRAFFIC SIGNAL POLE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE EXISTING GAS VALVE EXISTING GAS FILLER CAP ASPHALT EXISTING GAS VENT PIPE CONCRETE CURB & GUTTER EXISTING GAS PUMP EXISTING LAMP POST INSTALL SUPER EXISTING LIGHT POLE SILT FENCE -DA = 0.57 ACEXISTING ELECTRIC BOX EXISTING A/C UNIT "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED EXISTING HC RAMP BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS TRAVERSE OF THE STATE OF MARYLAND, LICENSE NO. BENCHMARK 31198, EXPIRATION DATE 01/16/19 EXISTING TRASH CAN REGISTRATION STAMP EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE EXISTING ADJACENT PROPERTY LINE PARTOF LOTS 7 & 8 REDEVELC 8" PVC AUTHORITY OF EXISTING SANITARY LINE AVENUE PRINCE GEORGE'S COUNTY EXISTING STORM DRAIN LINE 0.067 ACRES SUITLAND REALTY COMPANY EXISTING SOIL BOUNDARY OWNER EXISTING SOIL TYPE EX VIP NAILS EX GODS PROPOSED STABILIZED CONSTRUCTION ENTRAN EX SUITLAND INTERNATIONAL PAWNBROKERS HUR CHURCH PROPOSED SUPER SILT FENCE PROPOSED SILT FENCE PROPOSED LIMIT OF DISTURBANCE PROJECT TITLE PROPOSED CHAIN LINK FENCE PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR TOWNE SQUARE AT SUITLAND PROPOSED AT GRADE INLET PROTECTION FEDERAL CENTER SUITLAND, MD PROPOSED CURB INLET PROTECTION ASPHALT PARKING 30' BUILDING RESTRICTION LINE STOCK PILE MAX SLOPE 3:1 PROPOSED STOCK PILE PROPOSED DRAINAGE AREA REVISIONS CONTRACTOR PROPOSED CONSTRUCTION STAGING AREA STAGING AREA MARK DATE DESCRIPTION SUITLAND ROAD **KEY MAP** AMT FILE NO. 16-0341.001 06-16-2017 SCALE: DESIGNED BY: AMT AMT DRAWN BY: AMT CHECKED BY: PERMIT SUBMISSION SHEET TITLE **EROSION AND SEDIMENT CONTROL - INITIAL PLAN** GRAPHIC SCALE SCALE: H: 1" - 30' CE-103 ( IN FEET ) 1 inch = 30 ft.17 OF 59



#### LEGEND EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK EXISTING EXISTING TREE EXISTING STORM MANHOLE EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN EXISTING UTILITY MANHOLE EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX EXISTING TRAFFIC SIGNAL POLE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE EXISTING GAS VALVE EXISTING GAS FILLER CAP EXISTING GAS VENT PIPE EXISTING GAS PUMP EXISTING LAMP POST EXISTING LIGHT POLE EXISTING ELECTRIC BOX EXISTING A/C UNIT EXISTING HC RAMP TRAVERSE BENCHMARK EXISTING TRASH CAN EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE EXISTING ADJACENT PROPERTY LINE 8"PVC EXISTING SANITARY LINE EXISTING STORM DRAIN LINE EXISTING SOIL BOUNDARY EXISTING SOIL TYPE PROPOSED STABILIZED CONSTRUCTION ENTRANCE PROPOSED SUPER SILT FENCE PROPOSED SILT FENCE PROPOSED LIMIT OF DISTURBANCE PROPOSED CHAIN LINK FENCE PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR PROPOSED AT GRADE INLET PROTECTION / N 431,700 PROPOSED CURB INLET PROTECTION STOCK PILE MAX SLOPE 3:1 PROPOSED STOCK PILE PROPOSED DRAINAGE AREA CONTRACTOR PROPOSED CONSTRUCTION STAGING AREA STAGING AREA



PLAN SCALE: H: 1" - 30'



N 432,000 /

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REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

REVISIONS

MARK DATE DESCRIPTION

AMT FILE NO. 16-0341.001

DATE: 06-16-2017

DESIGNED BY: AMT

DRAWN BY: AMT

CHECKED BY: AMT

PERMIT SUBMISSION

SHEET TITLE

SCALE:

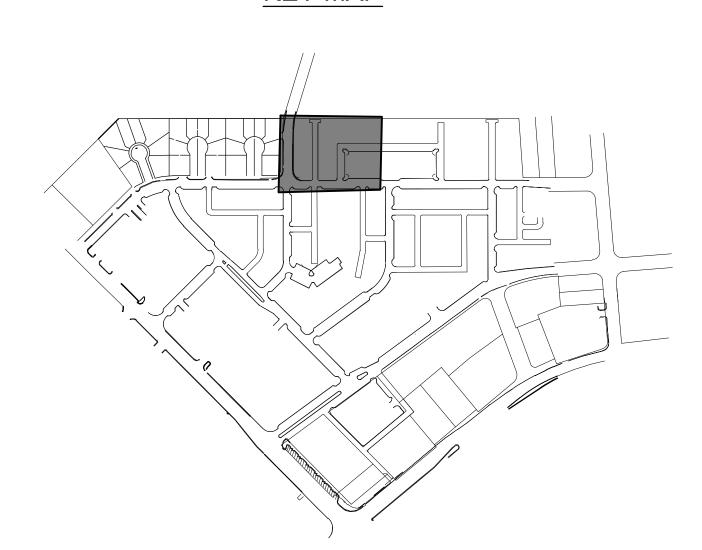
EROSION &
SEDIMENT
CONTROL - INITIAL

SHEET

CE-105

SHEET 19 OF 59

**KEY MAP** 

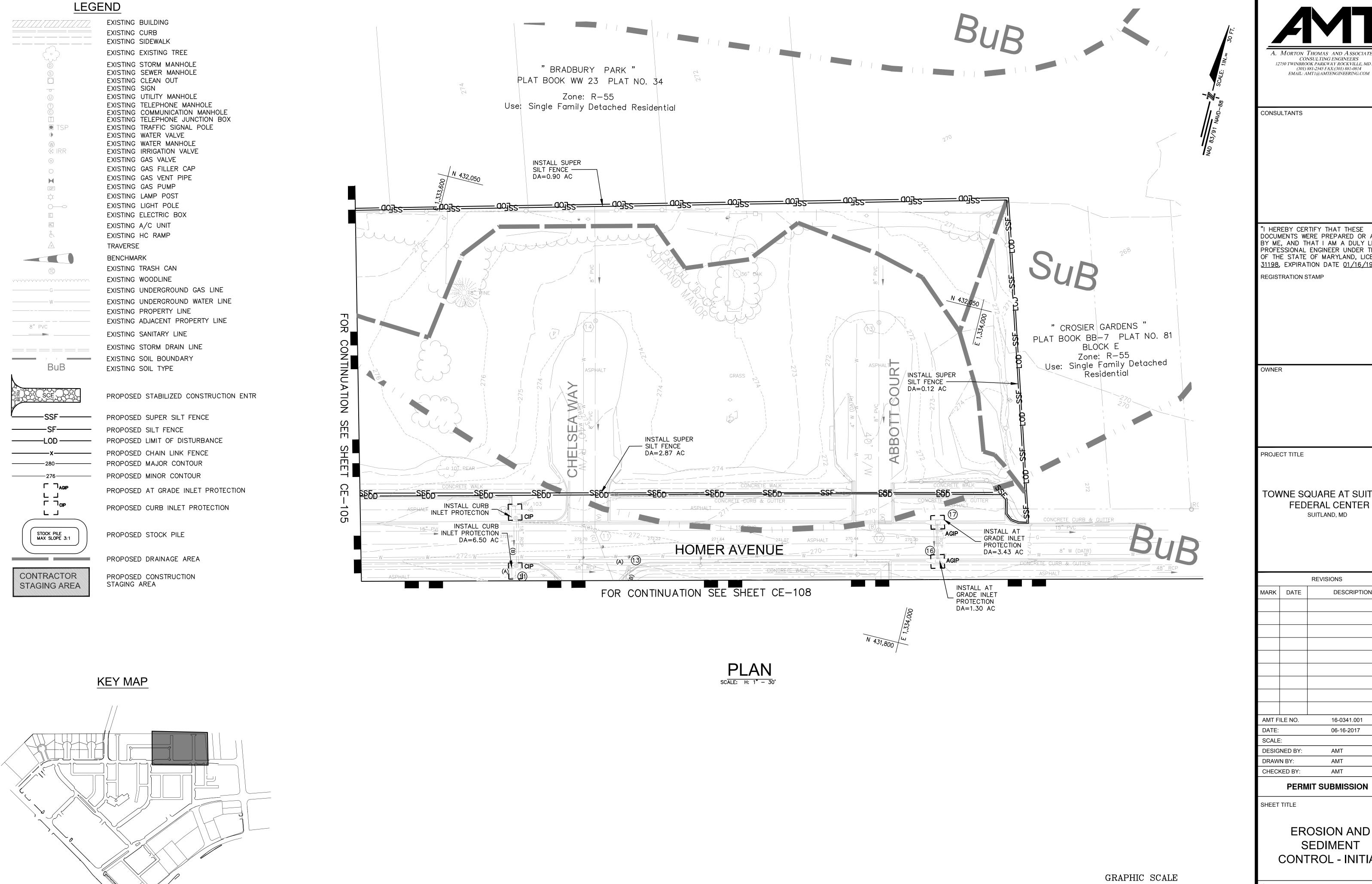


GRAPHIC SCALE

50 0 15 30 60

( IN FEET )

1 inch = 30 ft.



CONSULTING ENGINEERS 12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852

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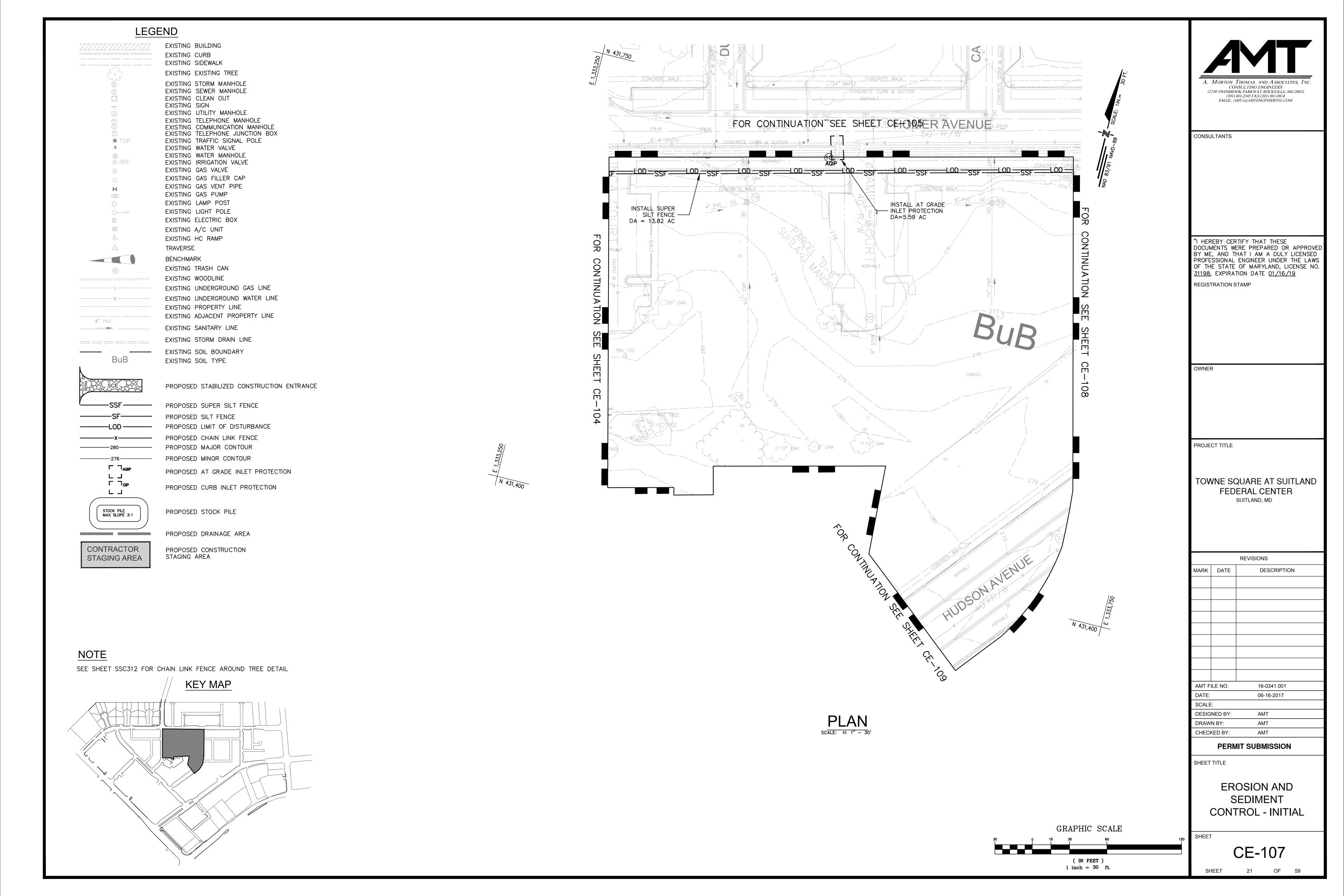
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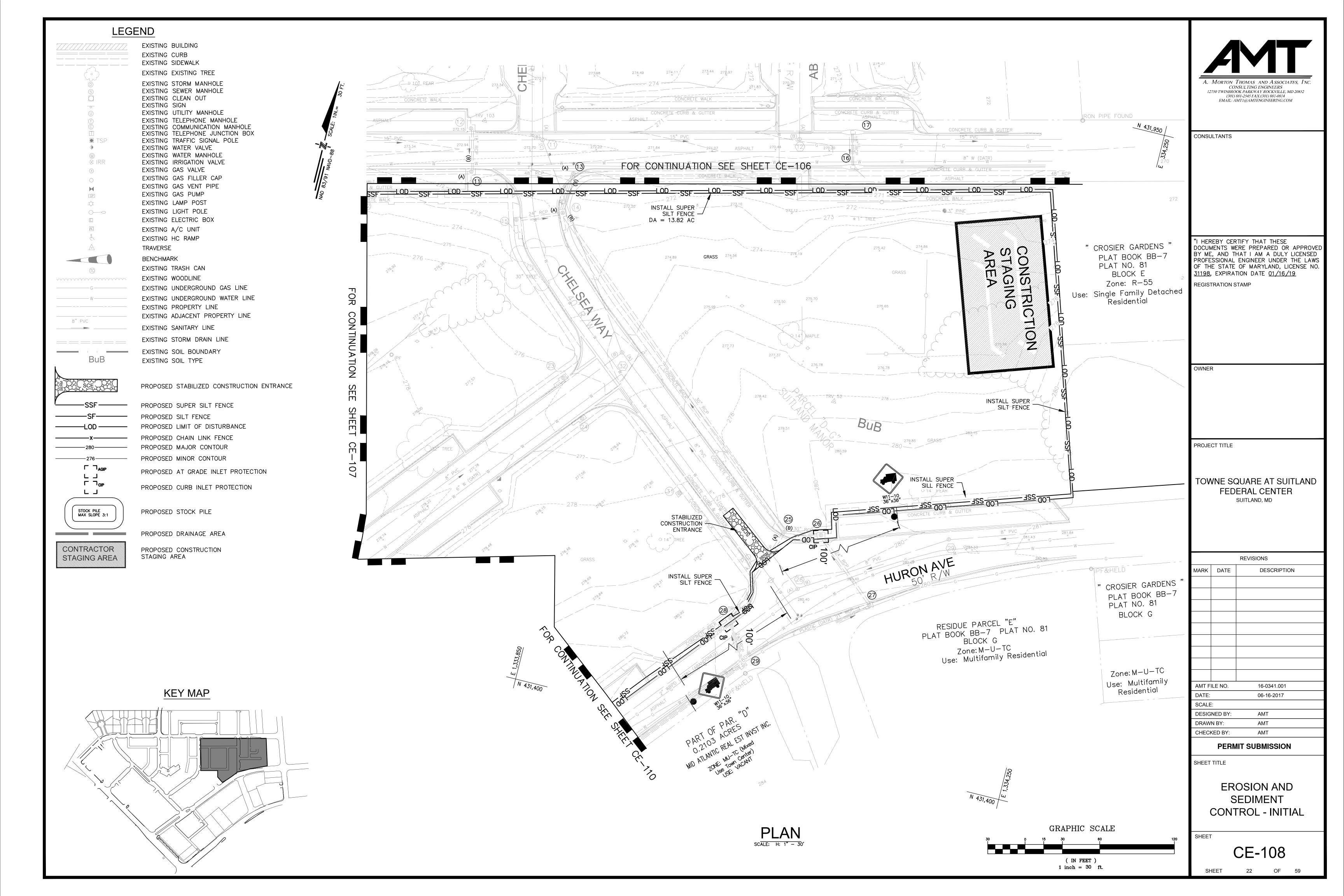
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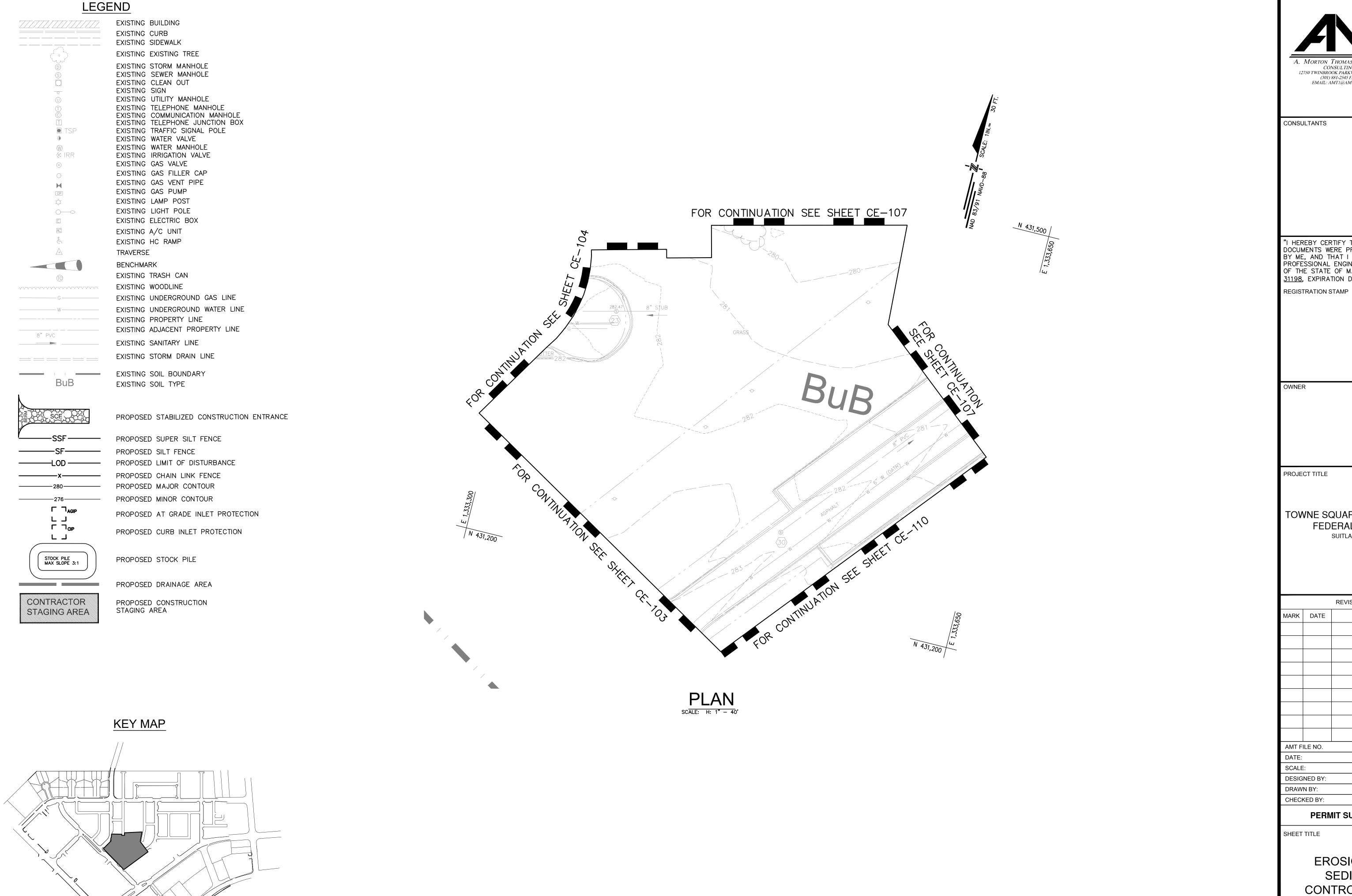
16-0341.001 06-16-2017

**EROSION AND** SEDIMENT **CONTROL - INITIAL** 

( IN FEET ) 1 inch = 30 ft. CE-106







A. MORTON THOMAS AND ASSOCIATES, INC. CONSULTING ENGINEERS 12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852 (301) 881-2545 FAX:(301) 881-0814 EMAIL: AMT1@AMTENGINEERING.COM

"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31198, EXPIRATION DATE 01/16/19

TOWNE SQUARE AT SUITLAND FEDERAL CENTER

SUITLAND, MD

		REVISIONS
MARK	DATE	DESCRIPTION
AMT FILE NO.		16-0341.001
DATE:		06-16-2017
SCALE		

PERMIT SUBMISSION

**EROSION AND** SEDIMENT CONTROL-INITIAL

AMT AMT

AMT

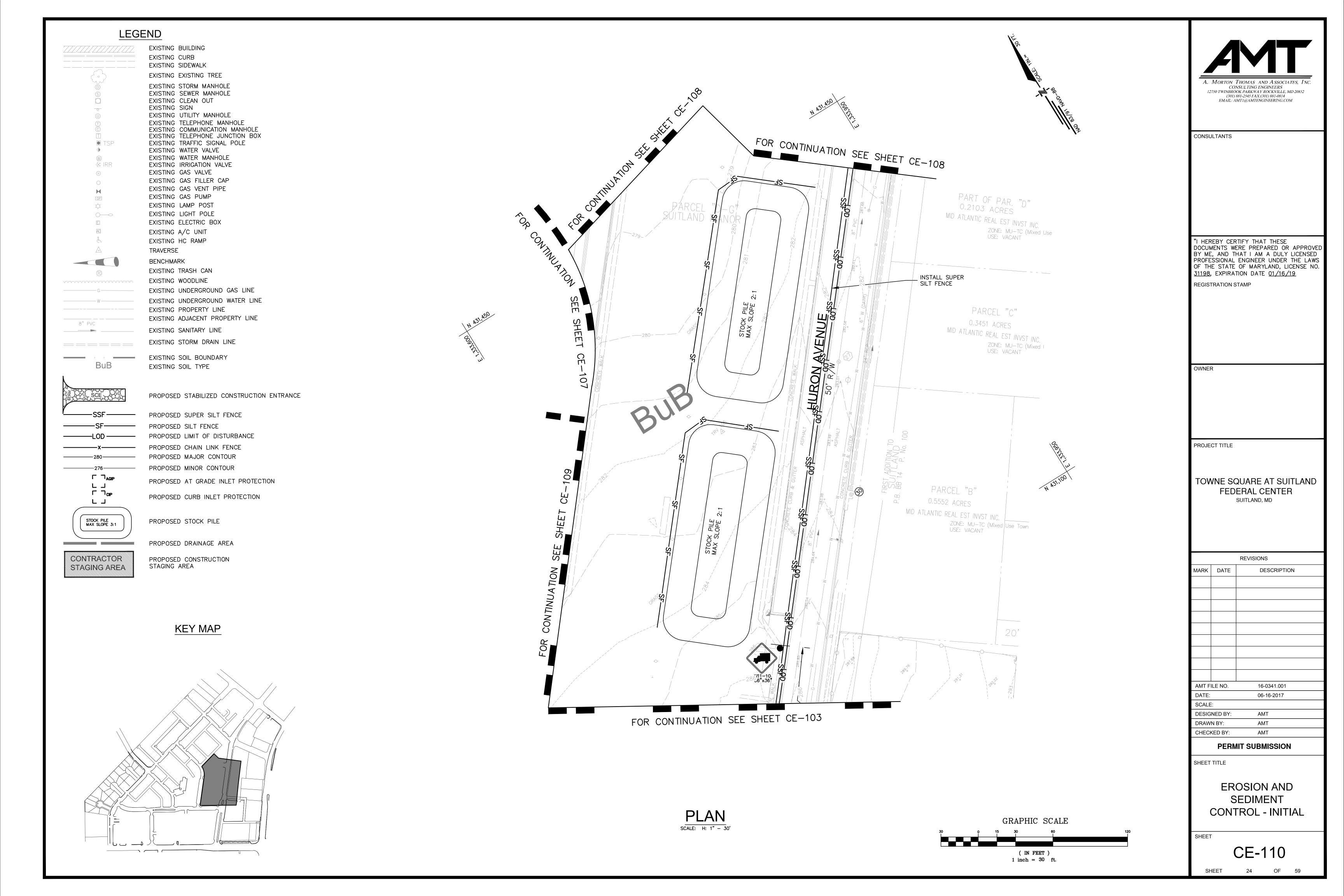
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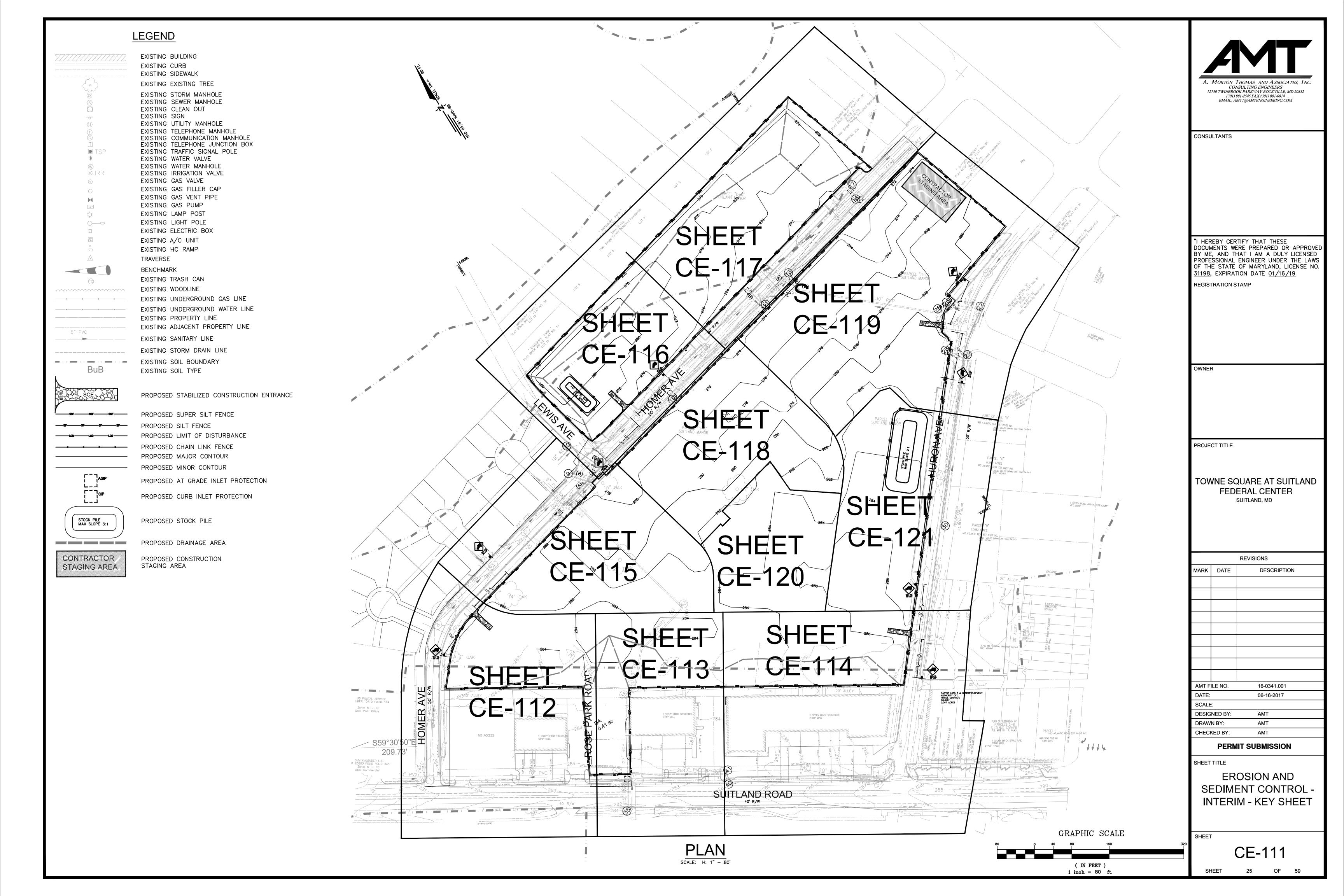
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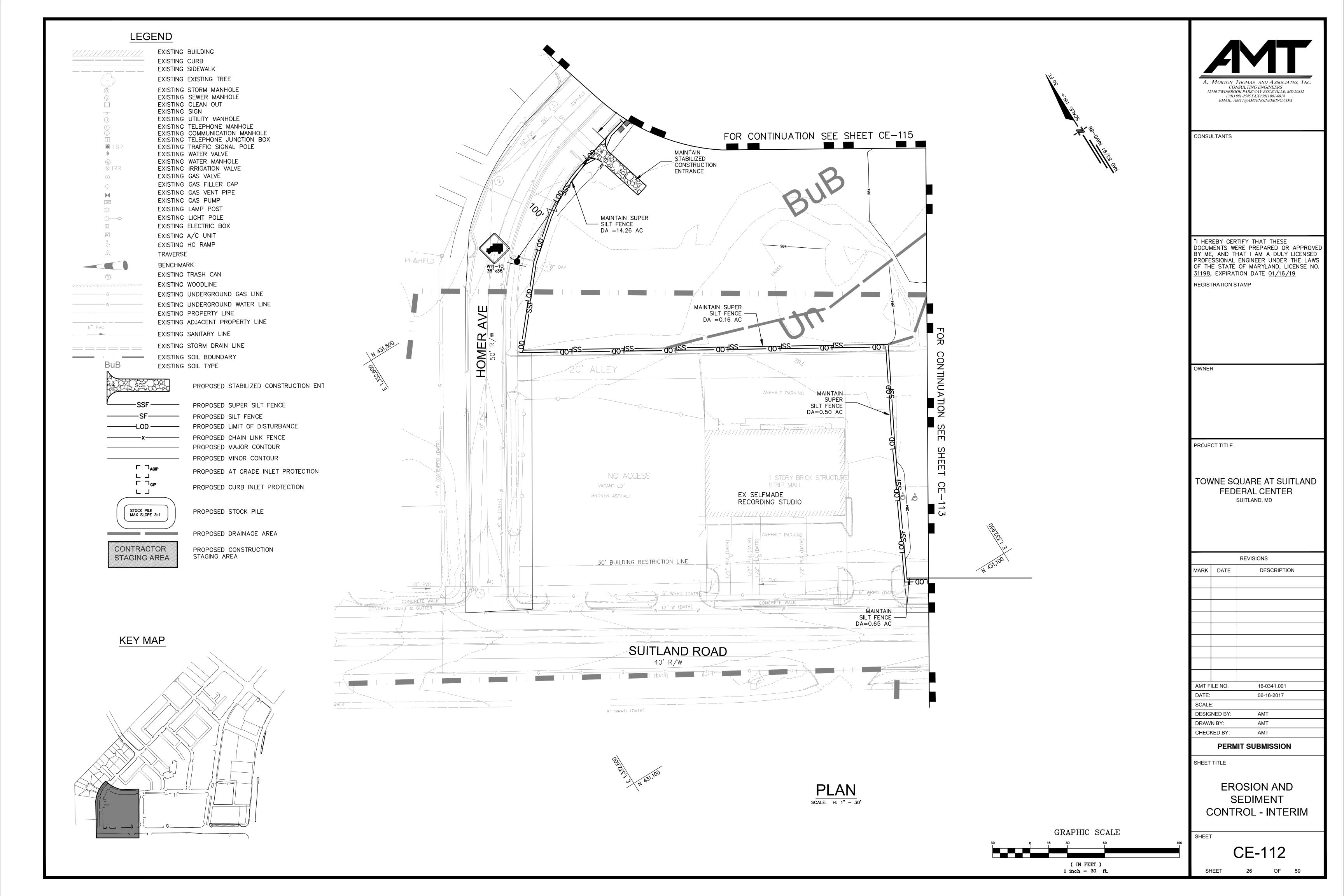
GRAPHIC SCALE

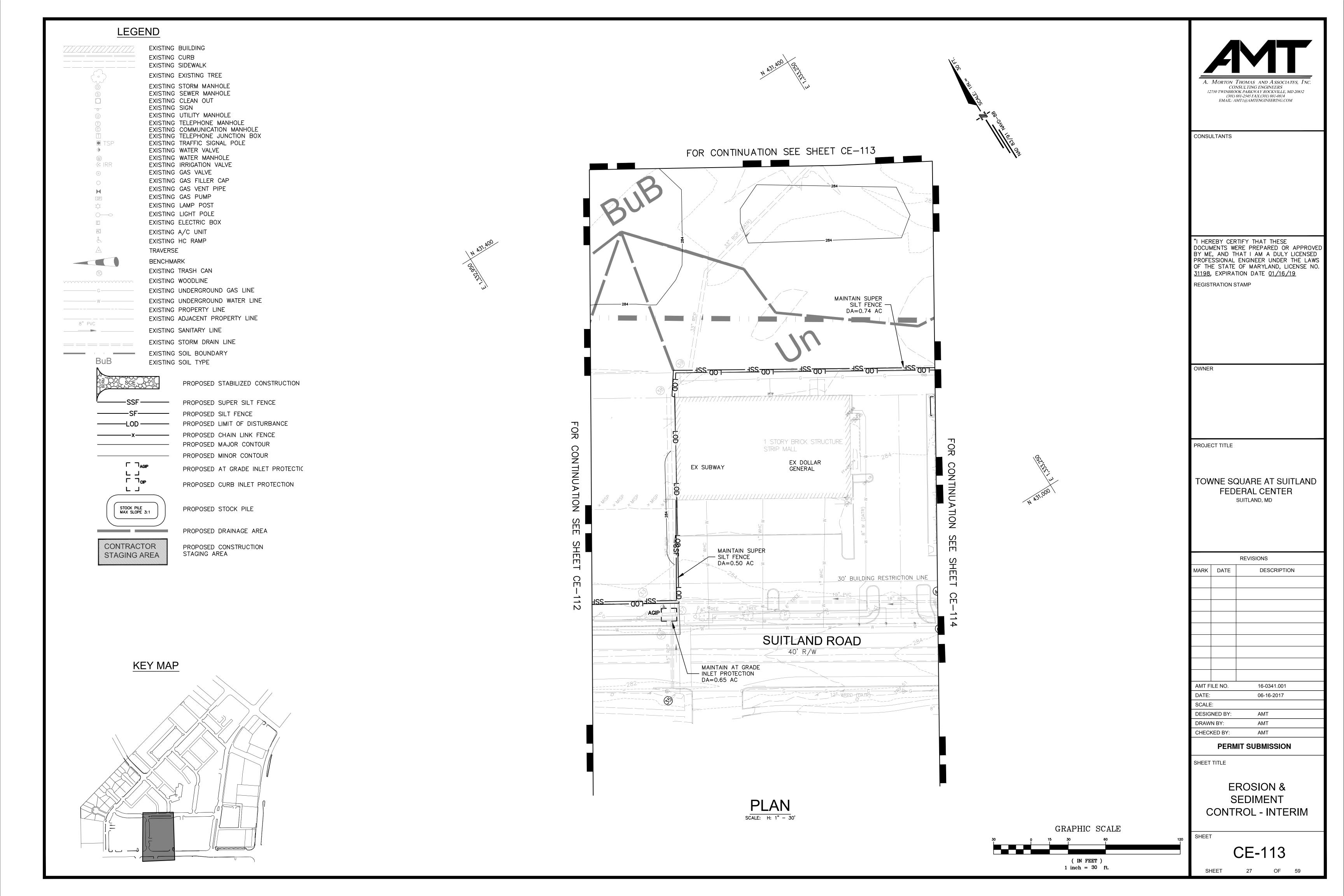
( IN FEET )
1 inch = 30 ft.

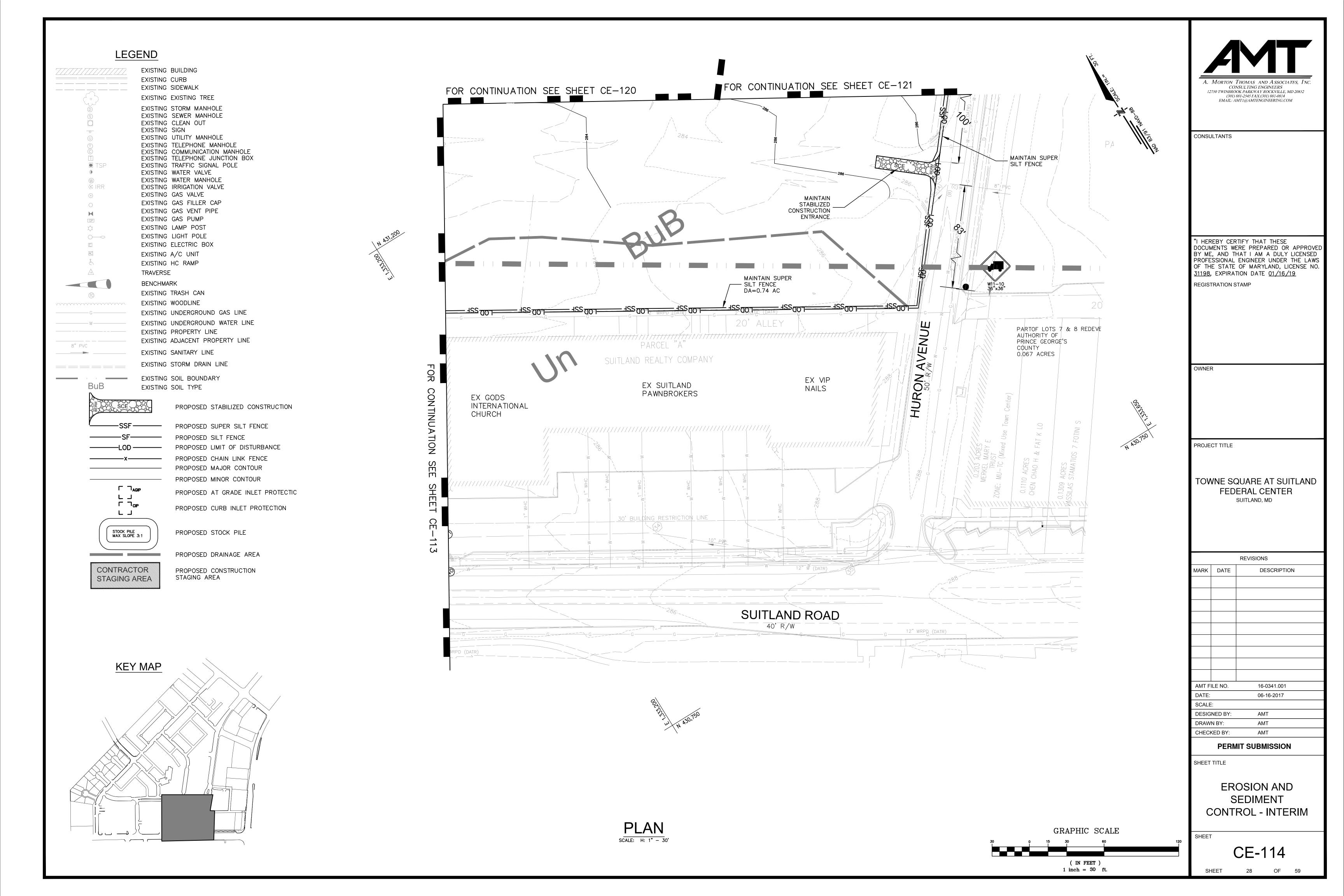
CE-109











#### LEGEND EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK CONSULTING ENGINEERS EXISTING EXISTING TREE 12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852 (301) 881-2545 FAX:(301) 881-0814 EMAIL: AMT1@AMTENGINEERING.COM EXISTING STORM MANHOLE EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN EXISTING UTILITY MANHOLE CONSULTANTS EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX CONTINUATION SHEET\_CE-116 EXISTING TRAFFIC SIGNAL POLE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE EXISTING GAS VALVE EXISTING GAS FILLER CAP MAINTAIN CURB INLET HOMER AVE EXISTING GAS VENT PIPE PROTECTION DA=1.27 AC EXISTING GAS PUMP 50' R/W EXISTING LAMP POST EXISTING LIGHT POLE EXISTING ELECTRIC BOX EXISTING A/C UNIT EXISTING HC RAMP TRAVERSE MAINTAIN SUPER 31198, EXPIRATION DATE 01/16/19 SILT FENCE DA=14.26 AC BENCHMARK REGISTRATION STAMP EXISTING TRASH CAN EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE EXISTING ADJACENT PROPERTY LINE 8"PVC EXISTING SANITARY LINE EXISTING STORM DRAIN LINE EXISTING SOIL BOUNDARY EXISTING SOIL TYPE PROPOSED STABILIZED CONSTRUCTION E PROPOSED SUPER SILT FENCE PROPOSED SILT FENCE PROPOSED LIMIT OF DISTURBANCE PROJECT TITLE PROPOSED CHAIN LINK FENCE PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR PROPOSED AT GRADE INLET PROTECTION FEDERAL CENTER SUITLAND, MD PROPOSED CURB INLET PROTECTION / N 431,350 STOCK PILE MAX SLOPE 3:1 PROPOSED STOCK PILE PROPOSED DRAINAGE AREA REVISIONS CONTRACTOR PROPOSED CONSTRUCTION STAGING AREA STAGING AREA **KEY MAP** PLAN SCALE: H: 1" - 30' DRAWN BY: CHECKED BY: PERMIT SUBMISSION SHEET TITLE **EROSION AND** SEDIMENT **CONTROL - INTERIM** GRAPHIC SCALE CE-115 ( IN FEET ) 1 inch = 30 ft.

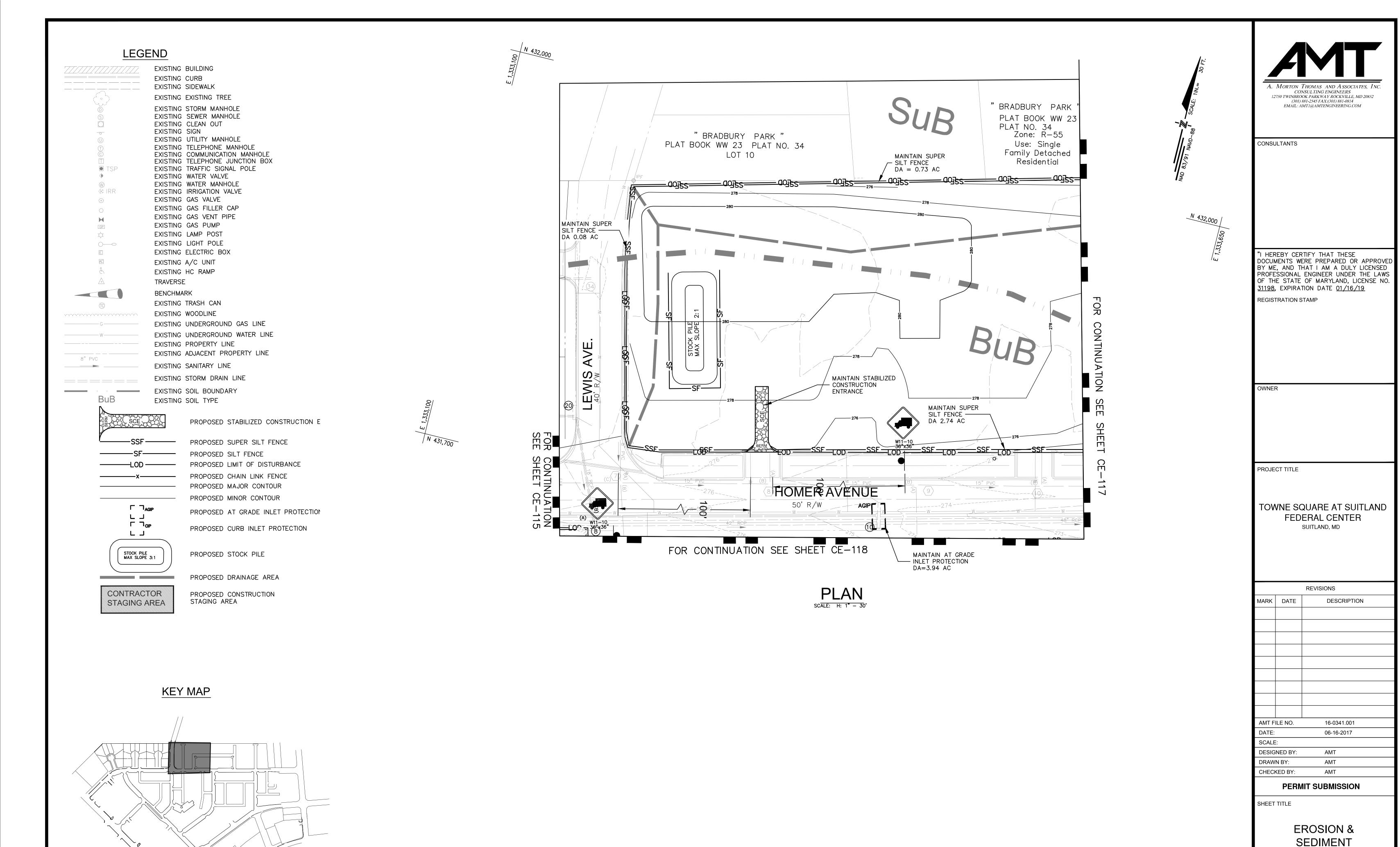
"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.

TOWNE SQUARE AT SUITLAND

		NE VISIONS
IARK	DATE	DESCRIPTION
AMT FILE NO.		16-0341.001
DATE:		06-16-2017
SCALE:		
DESIGNED BY:		AMT

29 OF 59

SHEET



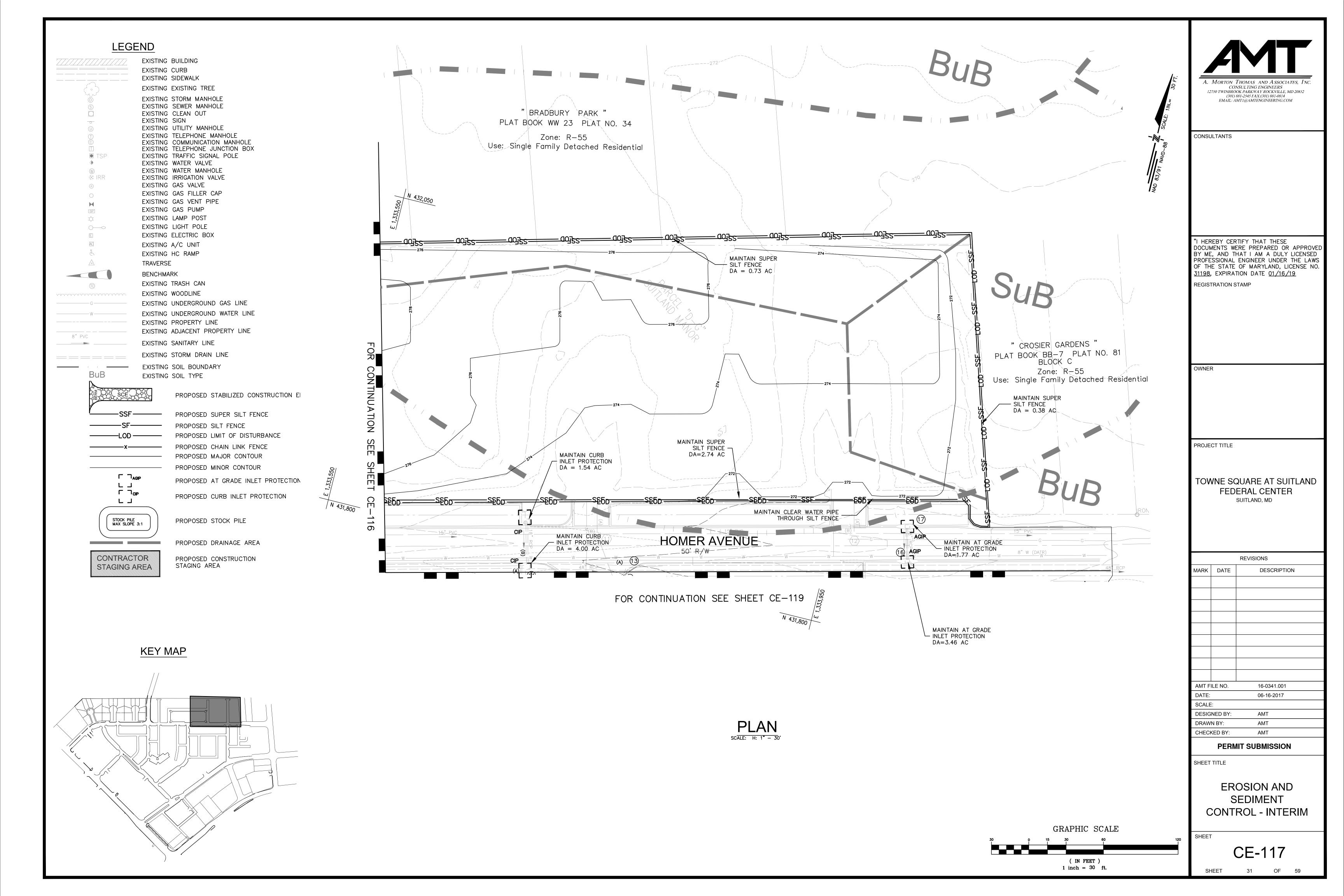
CE-116

SHEET 30 OF 59

**CONTROL - INTERIM** 

GRAPHIC SCALE

( IN FEET ) 1 inch = 30 ft.





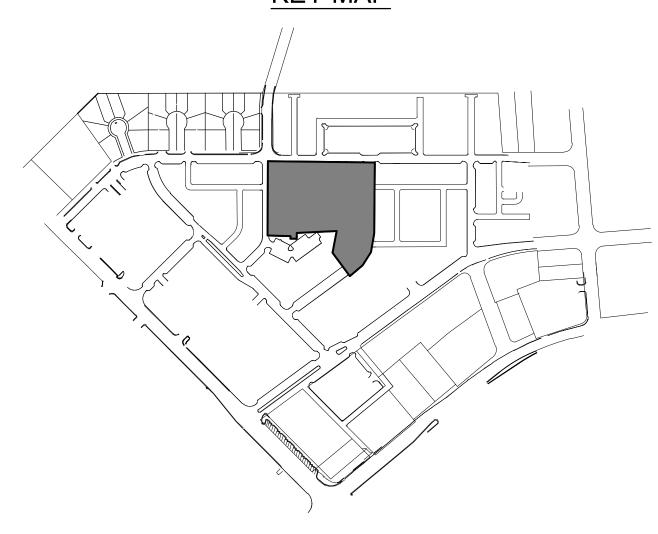
PROPOSED SUPER SILT FENCE
PROPOSED SILT FENCE
PROPOSED LIMIT OF DISTURBANCE
PROPOSED CHAIN LINK FENCE
PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR
PROPOSED AT GRADE INLET PROTECTI
PROPOSED CURB INLET PROTECTION

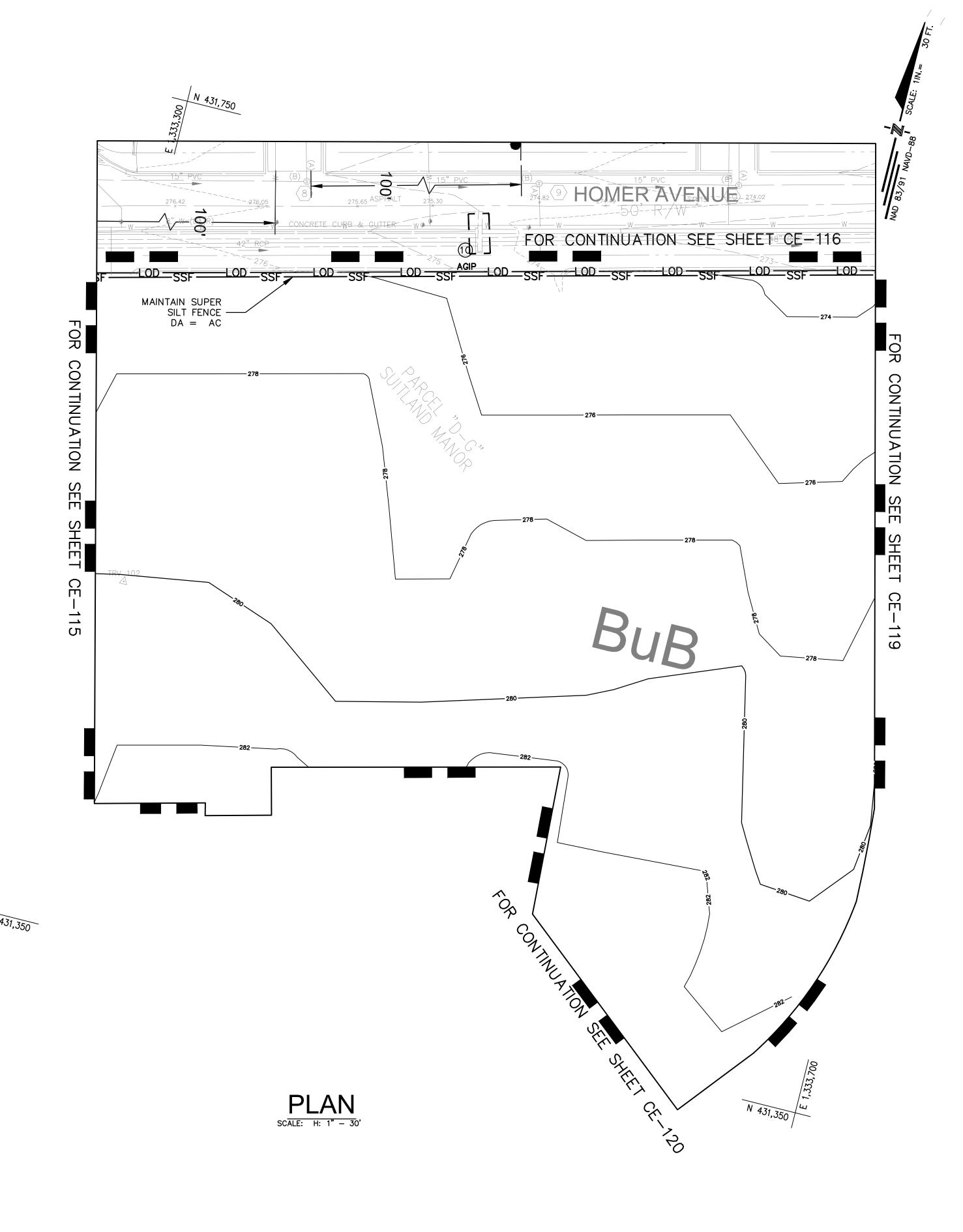
STOCK PILE MAX SLOPE 3:1

PROPOSED STOCK PILE
PROPOSED DRAINAGE AREA

CONTRACTOR
STAGING AREA

### **KEY MAP**





A. Morton Thomas and Associates, Inc.
Consulting engineers
12750 Twinbrook Parkway Rockville, MD 20852
(301) 881-2545 FAX:(301) 881-0814
EMAIL: AMTI@AMTENGINEERING.COM

CONSULTANTS

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REGISTRATION STAMP

OWNER

PROJECT TITLE

MARK DATE

TOWNE SQUARE AT SUITLAND
FEDERAL CENTER
SUITLAND, MD

DESCRIPTION

REVISIONS

AMT FILE NO.		16-0341.001
DATE:		06-16-2017
SCALE:		
DESIGNED BY:		AMT
DRAWN BY:		AMT

AMT

PERMIT SUBMISSION

SHEET TITLE

CHECKED BY:

EROSION AND
SEDIMENT
CONTROL - INTERIM

SHFFT

CE-118

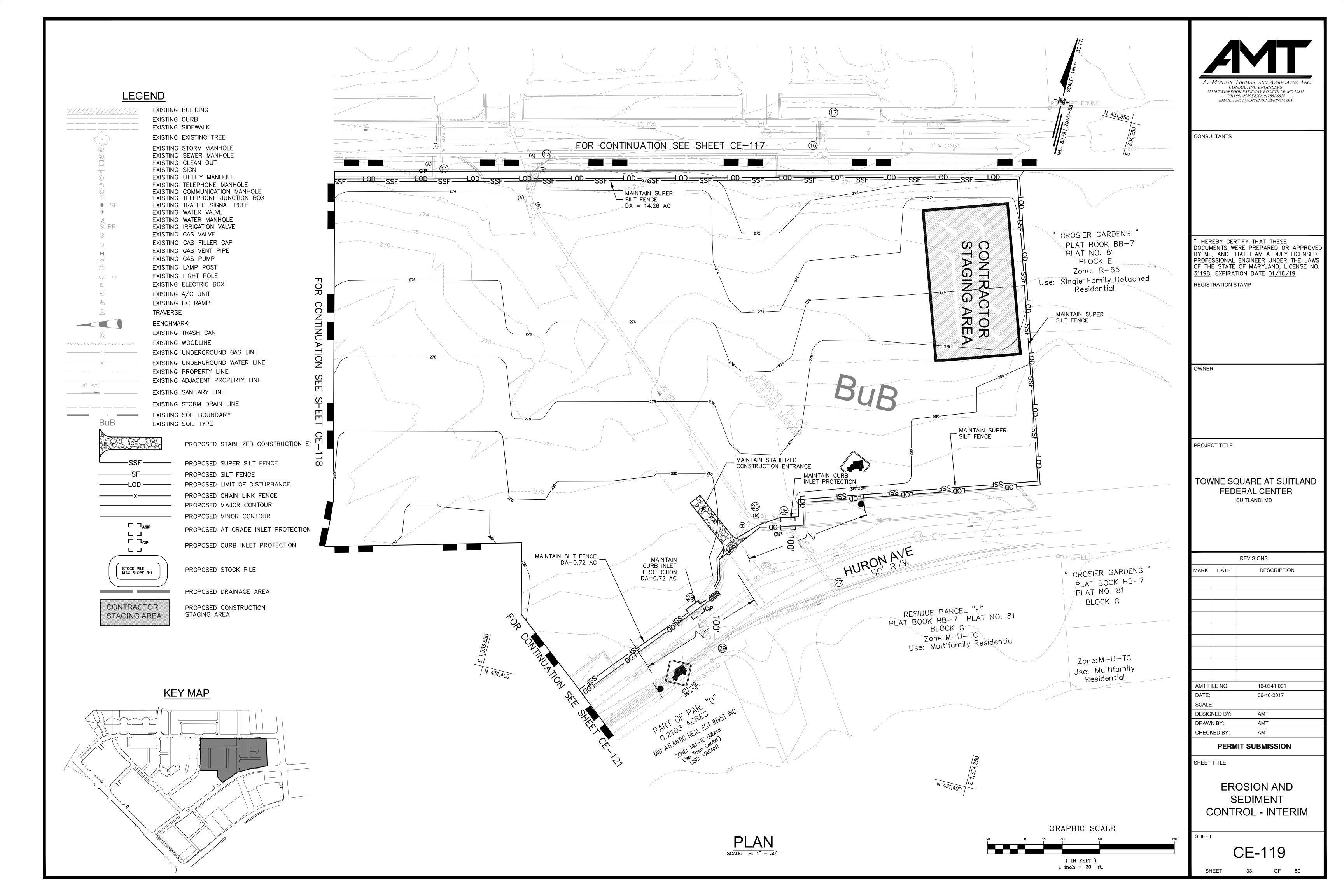
32 OF 59

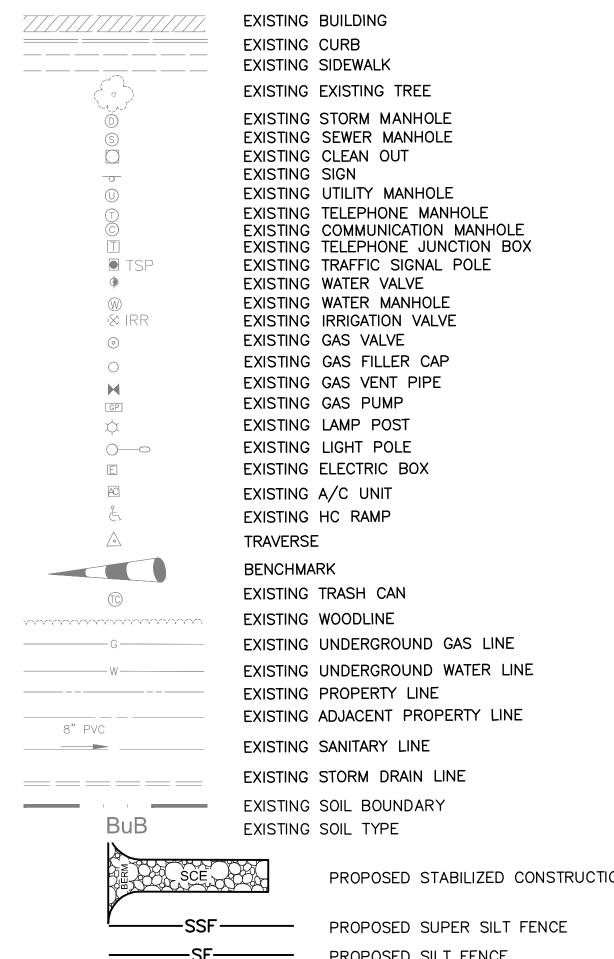
GRAPHIC SCALE

O 15 30 60

(IN FEET)

1 inch = 30 ft.



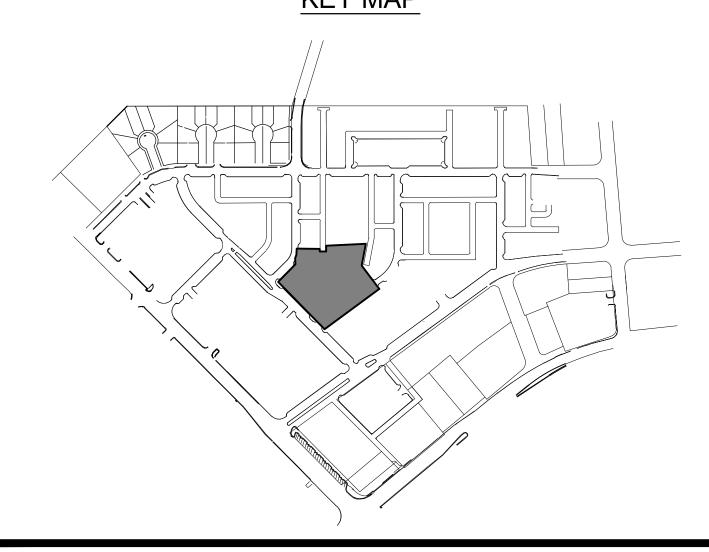


PROPOSED STABILIZED CONSTRUCTION EN PROPOSED SILT FENCE PROPOSED LIMIT OF DISTURBANCE PROPOSED CHAIN LINK FENCE PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR PROPOSED AT GRADE INLET PROTECTION PROPOSED CURB INLET PROTECTION STOCK PILE MAX SLOPE 3:1 PROPOSED STOCK PILE PROPOSED DRAINAGE AREA CONTRACTOR PROPOSED CONSTRUCTION STAGING AREA STAGING AREA

FOR CONTINUATION SEE SHEET CE-118 N 431,500 / N 431,200

PLAN
SCALE: H: 1" - 40'

KEY MAP



GRAPHIC SCALE

30 0 15 30 60 120

( IN FEET )
1 inch = 30 ft.

A. Morton Thomas and Associates, Inc.

CONSULTING ENGINEERS
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REGISTRATION STAMP

OWNE

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER

SUITLAND, MD

MARK DATE DESCRIPTION

AMT FILE NO. 16-0341.001

DATE: 06-16-2017

SCALE:

DESIGNED BY: AMT

DRAWN BY: AMT

AMT

PERMIT SUBMISSION

SHEET TITLE

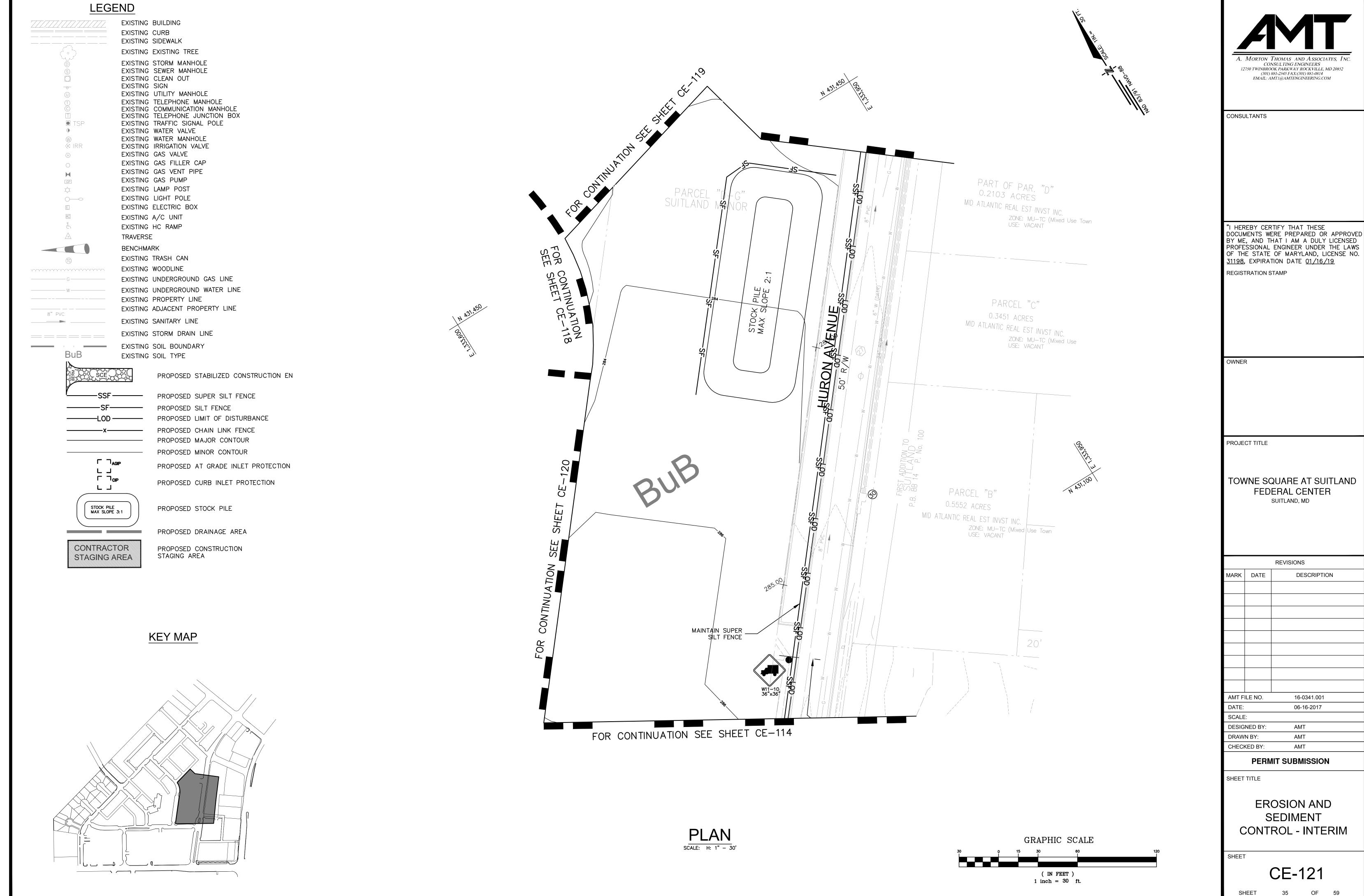
CHECKED BY:

EROSION AND SEDIMENT CONTROL - INTERIM

SHEET

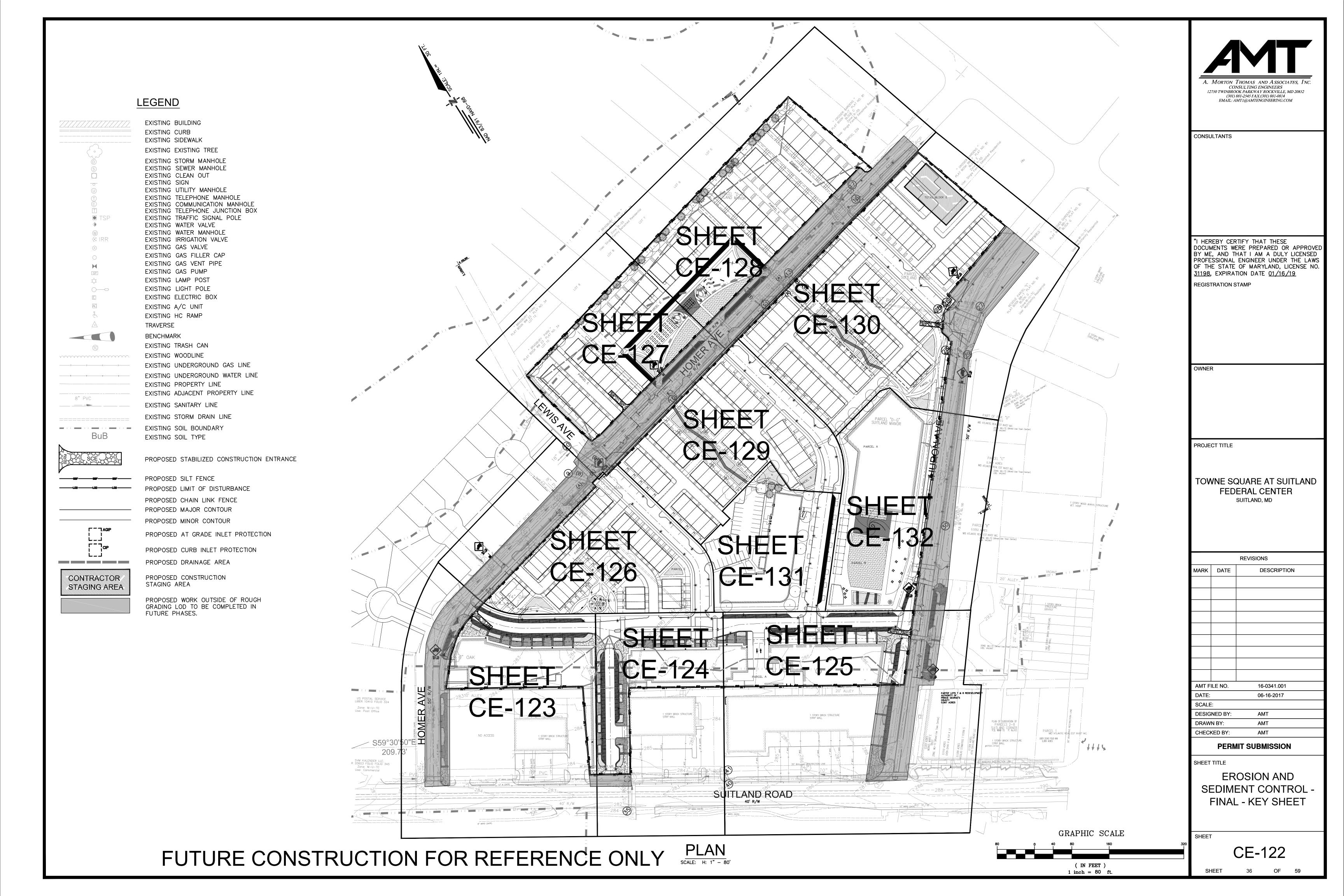
CE-120

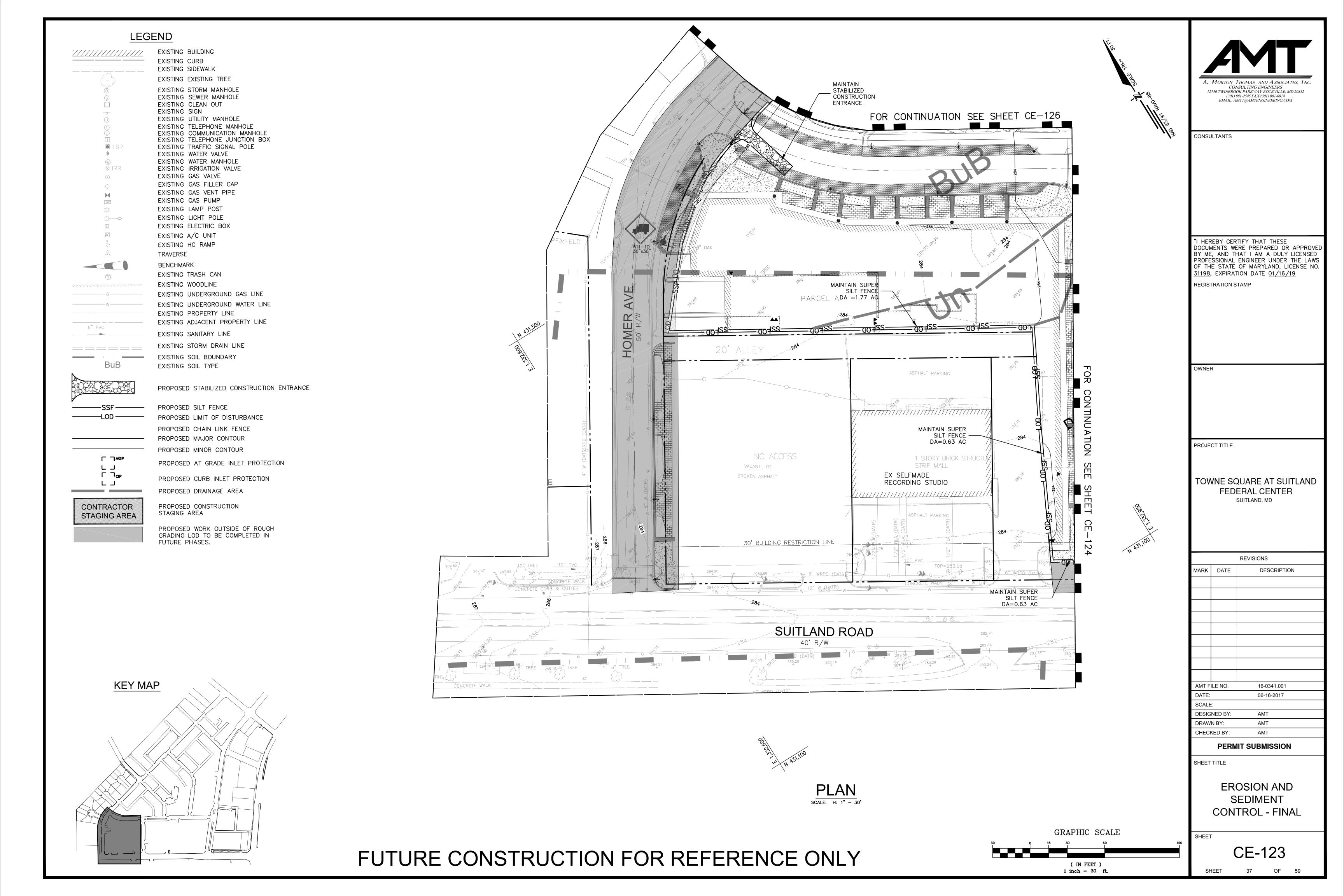
SHEET 34 OF 59

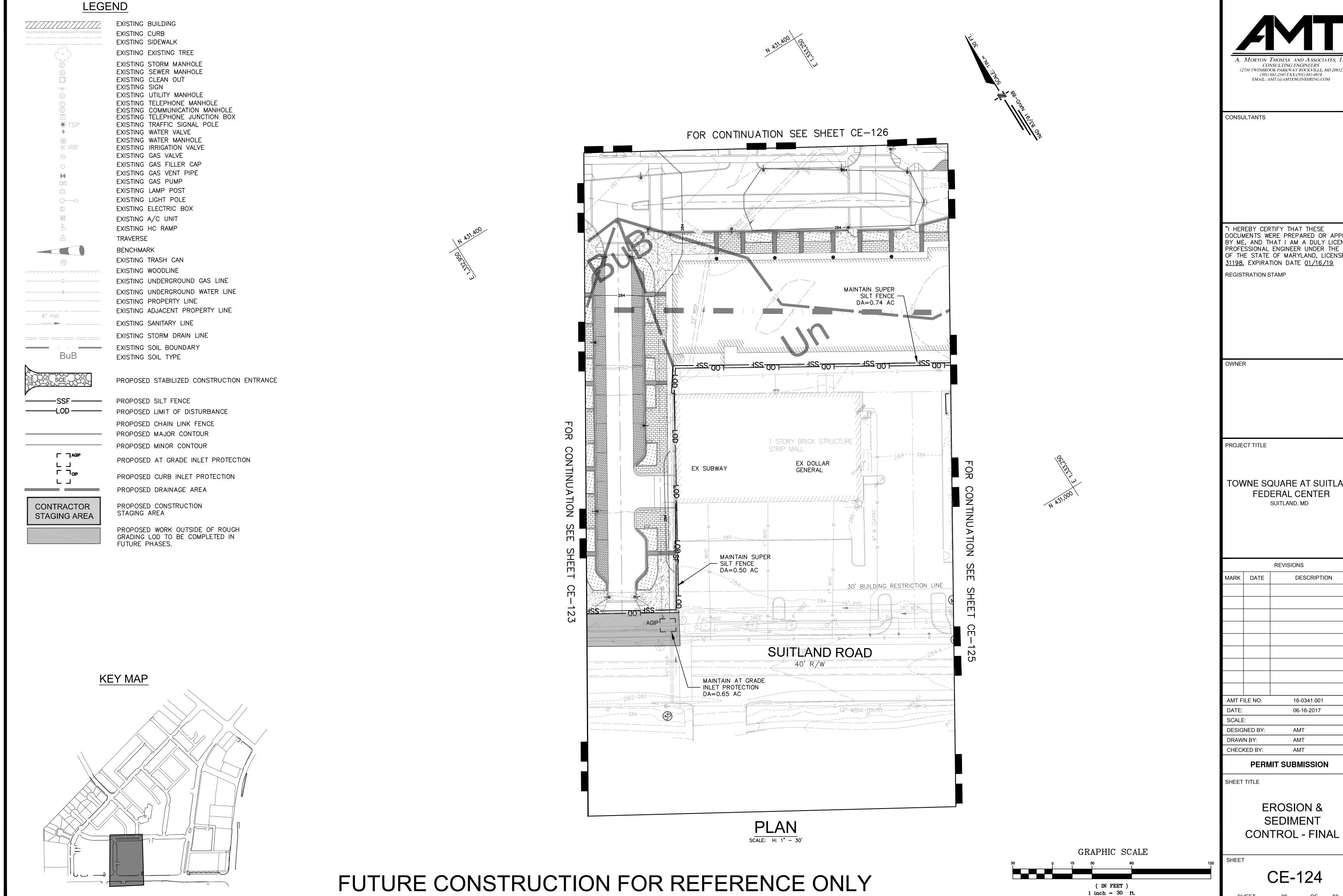


BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.

TOWNE SQUARE AT SUITLAND







12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852

DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.

TOWNE SQUARE AT SUITLAND

T FILE NO.	16-0341.001
ΓE:	06-16-2017
ALE:	
SIGNED BY:	AMT
AWN BY:	AMT

#### LEGEND EXISTING BUILDING EXISTING CURB FOR CONTINUATION SEE SHEET CE-132 EXISTING SIDEWALK FOR CONTINUATION SEE SHEET CE-131 CONSULTING ENGINEERS 12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852 (301) 881-2545 FAX:(301) 881-0814 EMAIL: AMT1@AMTENGINEERING.COM EXISTING EXISTING TREE EXISTING STORM MANHOLE EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN CONSULTANTS EXISTING UTILITY MANHOLE EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX MAINTAIN SUPER EXISTING TRAFFIC SIGNAL POLE SILT FENCE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE EXISTING GAS VALVE EXISTING GAS FILLER CAP /2/14BILIZED/ EXISTING GAS VENT PIPE CONSTRUCTION ENTRANCE EXISTING GAS PUMP EXISTING LAMP POST EXISTING LIGHT POLE $\bigcirc$ "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED EXISTING ELECTRIC BOX BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS EXISTING A/C UNIT EXISTING HC RAMP OF THE STATE OF MARYLAND, LICENSE NO. TRAVERSE 31198, EXPIRATION DATE 01/16/19 MAINTAIN SUPER BENCHMARK REGISTRATION STAMP - SILT FENCE DA=0.74 AC EXISTING TRASH CAN EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE PARTOF LOTS 7 & 8 REDEVE EXISTING PROPERTY LINE AUTHORITY OF EXISTING ADJACENT PROPERTY LINE PRINCE GEORGE'S 8" PVC COUNTY EXISTING SANITARY LINE 0.067 ACRES SUITLAND REALTY COMPANY EXISTING STORM DRAIN LINE EX VIP EXISTING SOIL BOUNDARY EXISTING SOIL TYPE NAILS EX GODS EX SUITLAND INTERNATIONAL PROPOSED STABILIZED CONSTRUCTION ENTRANCE PAWNBROKERS CHURCH PROPOSED SILT FENCE PROPOSED LIMIT OF DISTURBANCE PROJECT TITLE PROPOSED CHAIN LINK FENCE PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR TOWNE SQUARE AT SUITLAND PROPOSED AT GRADE INLET PROTECTION FEDERAL CENTER SUITLAND, MD PROPOSED CURB INLET PROTECTION PROPOSED DRAINAGE AREA CONTRACTOR PROPOSED CONSTRUCTION STAGING AREA STAGING AREA PROPOSED WORK OUTSIDE OF ROUGH GRADING LOD TO BE COMPLETED IN REVISIONS FUTURE PHASES. DESCRIPTION SUITLAND ROAD **KEY MAP** AMT FILE NO. SCALE: **DESIGNED BY: PERMIT SUBMISSION** PLAN SHEET TITLE SCALE: H: 1" - 30' **EROSION AND SEDIMENT CONTROL - FINAL** GRAPHIC SCALE CE-125 FUTURE CONSTRUCTION FOR REFERENCE ONLY 1 inch = 30 ft.

### LEGEND EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK EXISTING EXISTING TREE EXISTING STORM MANHOLE EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN EXISTING UTILITY MANHOLE EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX EXISTING TRAFFIC SIGNAL POLE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE EXISTING GAS VALVE EXISTING GAS FILLER CAP MAINTAIN CURB INLET TION -127 EXISTING GAS VENT PIPE PROTECTION DA=1.27 AC EXISTING GAS PUMP EXISTING LAMP POST EXISTING LIGHT POLE EXISTING ELECTRIC BOX EXISTING A/C UNIT EXISTING HC RAMP TRAVERSE MAINTAIN SUPER SILT FENCE BENCHMARK DA=14.26 AC EXISTING TRASH CAN EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE PARCEL EXISTING ADJACENT PROPERTY LINE 8"PVC EXISTING SANITARY LINE EXISTING STORM DRAIN LINE EXISTING SOIL BOUNDARY EXISTING SOIL TYPE PROPOSED STABILIZED CONSTRUCTION ENTRANCE PROPOSED SILT FENCE PROPOSED LIMIT OF DISTURBANCE PROPOSED CHAIN LINK FENCE PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR PROPOSED AT GRADE INLET PROTECTION PROPOSED CURB INLET PROTECTION PROPOSED DRAINAGE AREA CONTRACTOR PROPOSED CONSTRUCTION STAGING AREA STAGING AREA PROPOSED WORK OUTSIDE OF ROUGH GRADING LOD TO BE COMPLETED IN FUTURE PHASES. **KEY MAP** PLAN SCALE: H: 1" - 30'

A. Morton Thomas and Associates, Inc.

CONSULTING ENGINEERS

12750 TWINBROOK PARK WAY ROCK VILLE, MD 20852

(301) 881-2545 FAX:(301) 881-0814

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CONSULTANTS

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REGISTRATION STAMP

OWNED

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

REVISIONS

MARK	DATE	DESCRIPTION
AMT F	ILE NO.	16-0341.001
DATE:		00.40.0047

SCALE:

DESIGNED BY: AMT

DRAWN BY: AMT

CHECKED BY: AMT

PERMIT SUBMISSION

SHEET TITLE

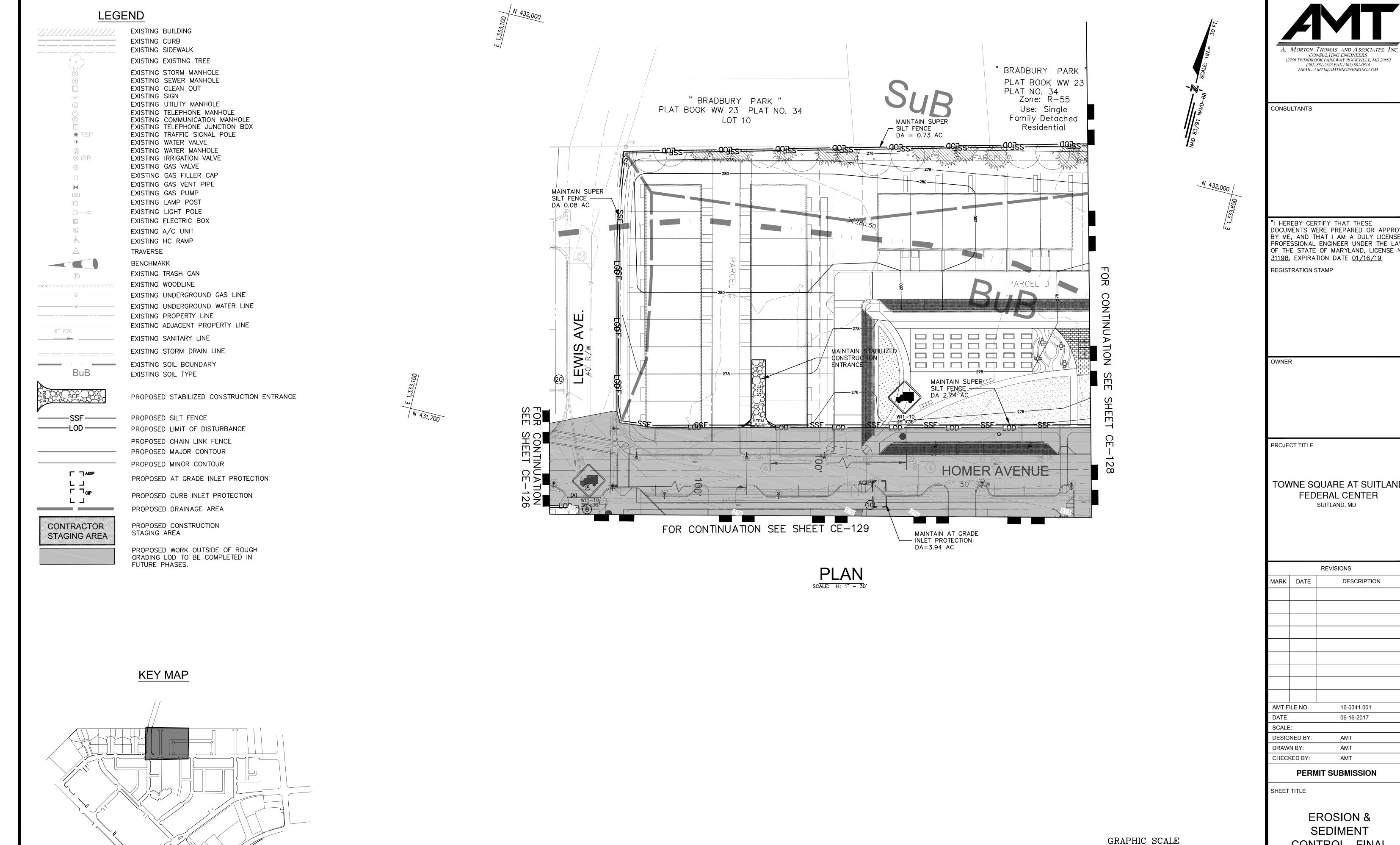
EROSION AND
SEDIMENT
CONTROL - FINAL

SHFFT

GRAPHIC SCALE

( IN FEET ) 1 inch = 30 ft. CE-126

FUTURE CONSTRUCTION FOR REFERENCE ONLY



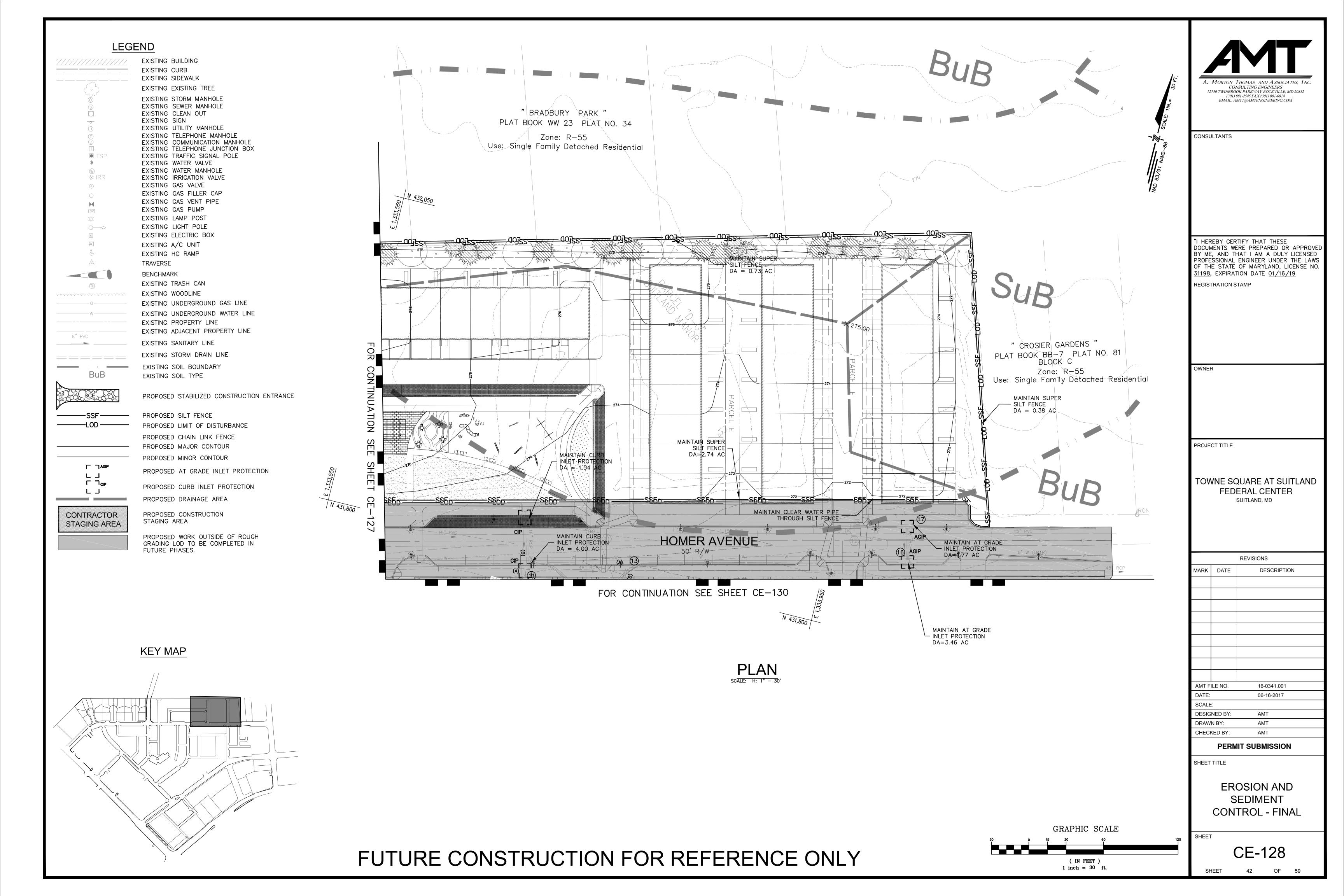
DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.

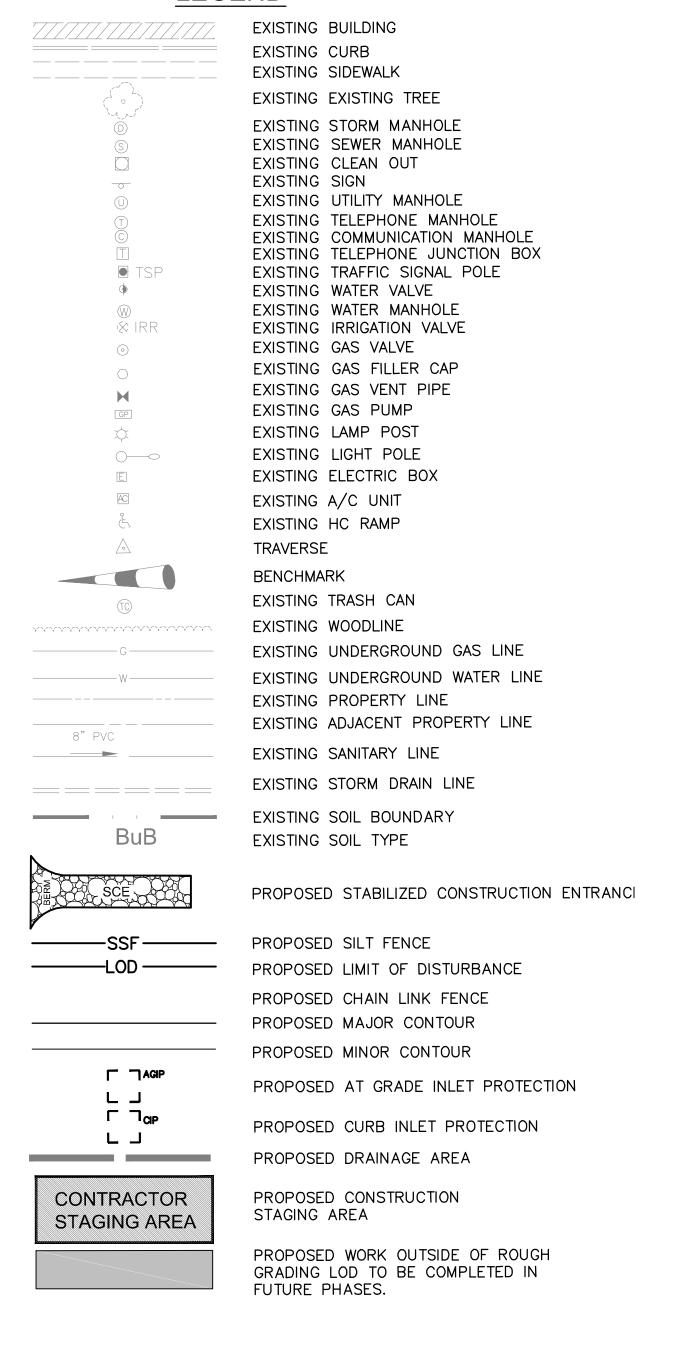
TOWNE SQUARE AT SUITLAND

**CONTROL - FINAL** 

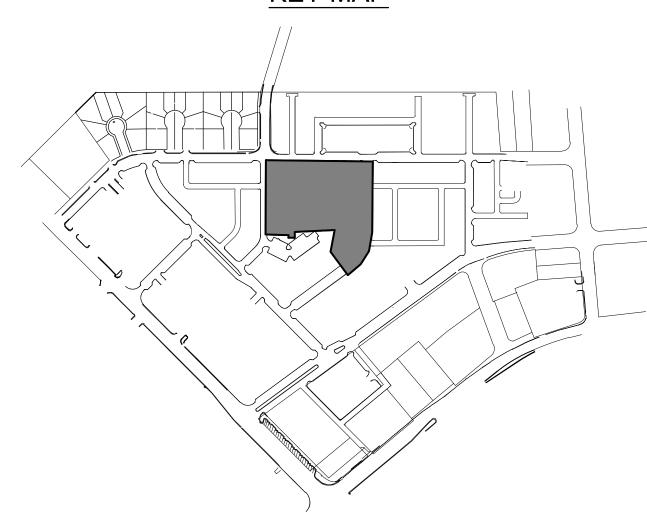
( IN FEET ) 1 inch = 30 ft.

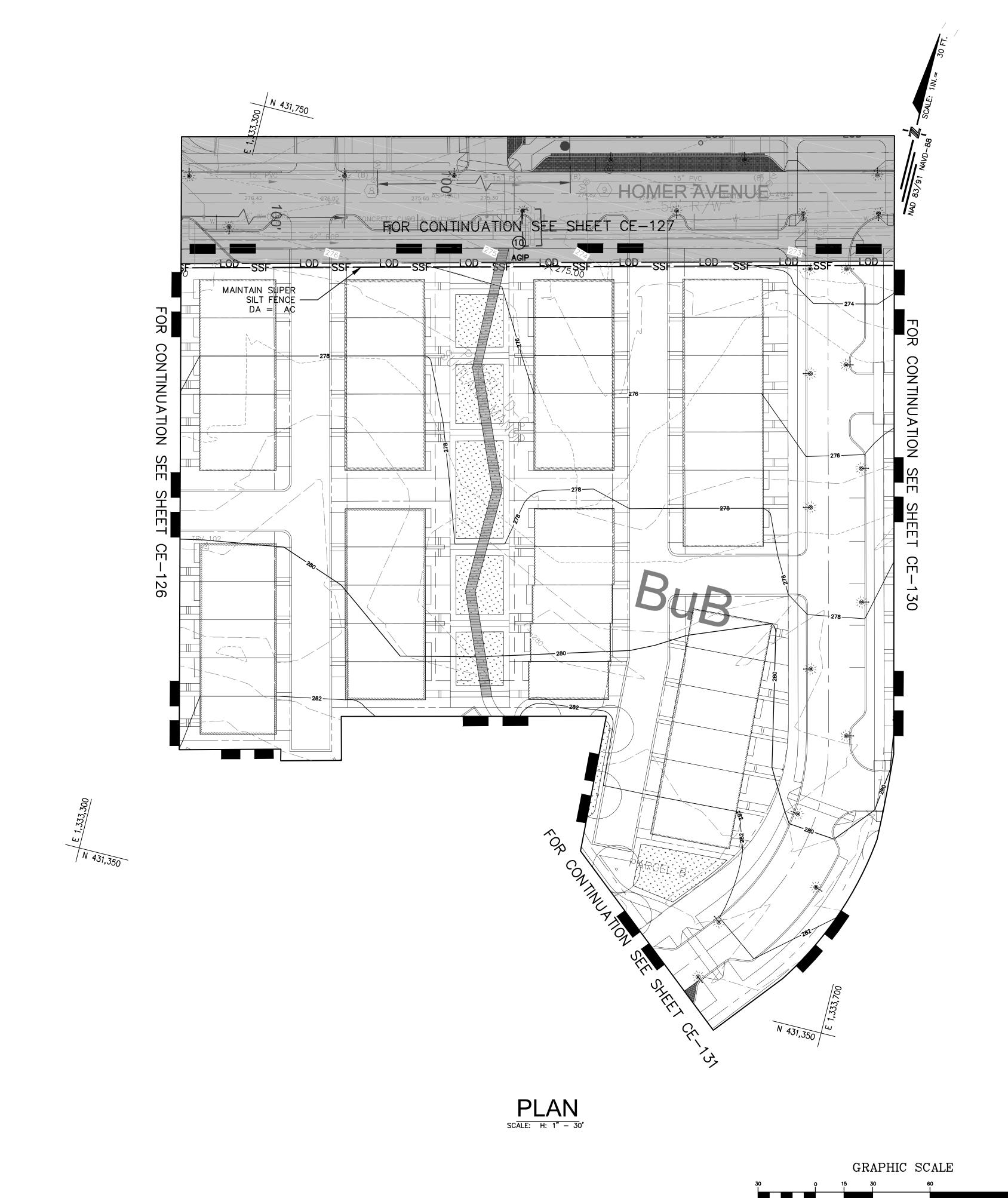
CE-127

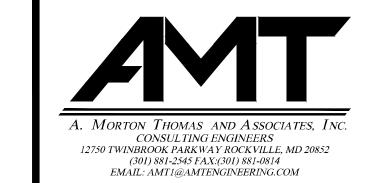




## **KEY MAP**







CONSULTANTS

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REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

REVISIONS
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PERMIT SUBMISSION

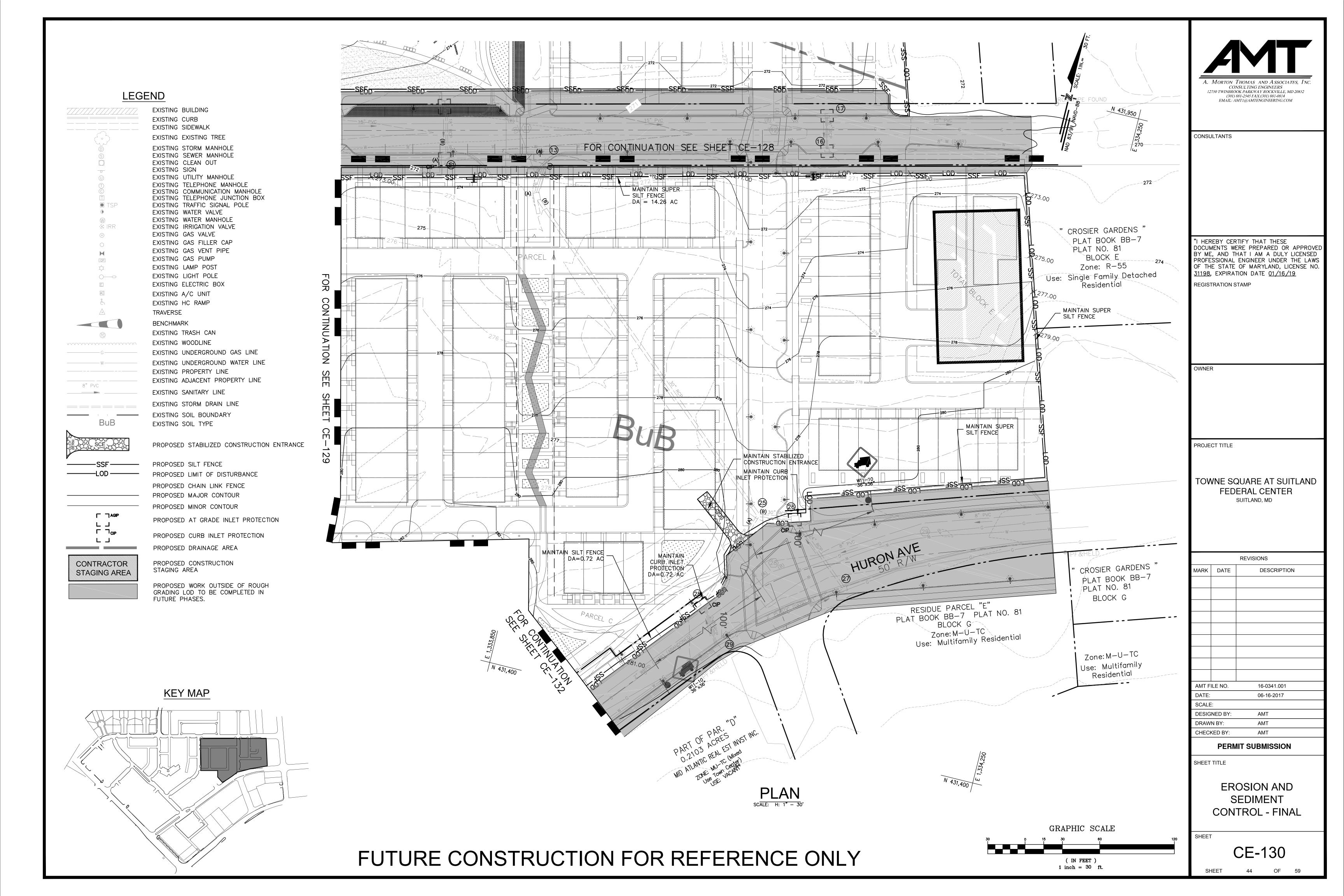
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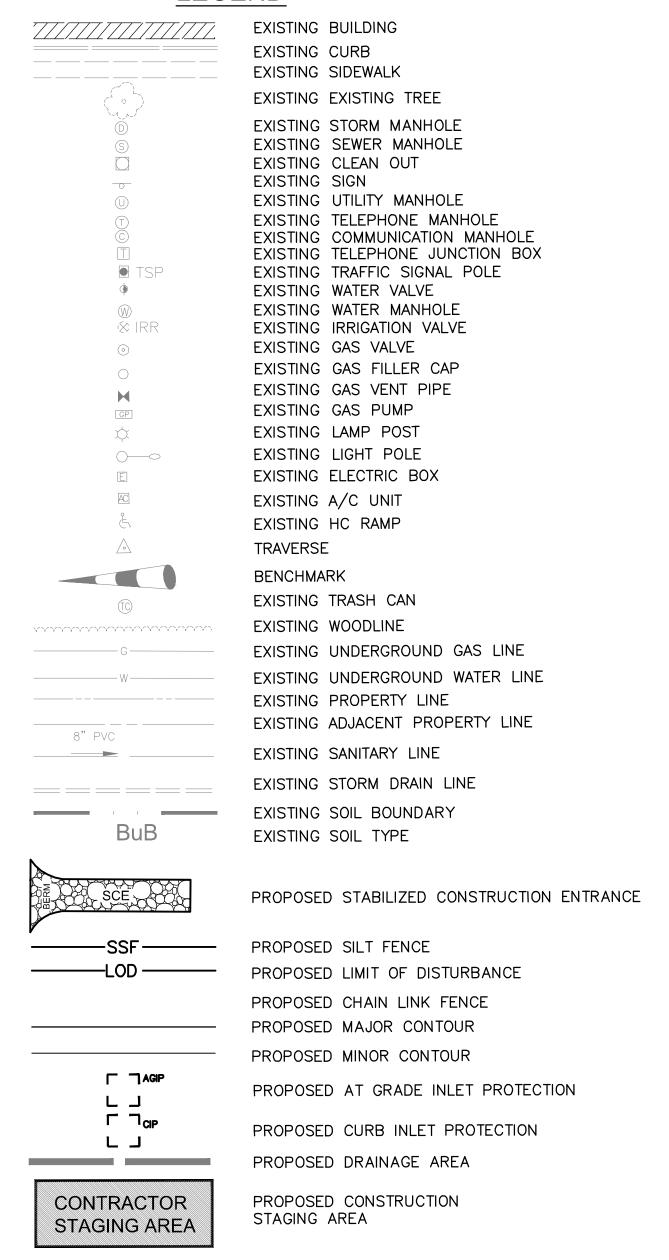
EROSION AND SEDIMENT CONTROL - FINAL

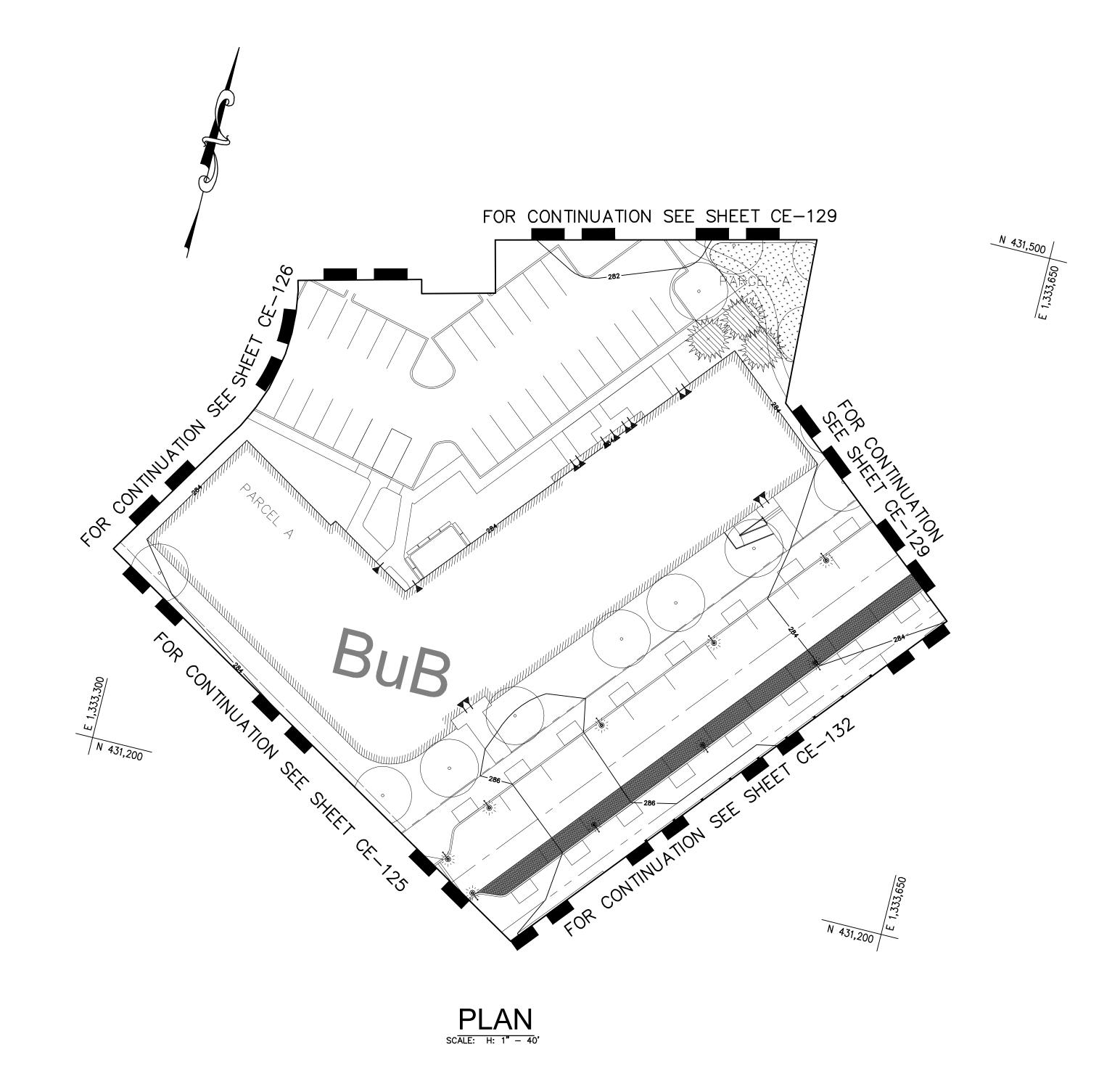
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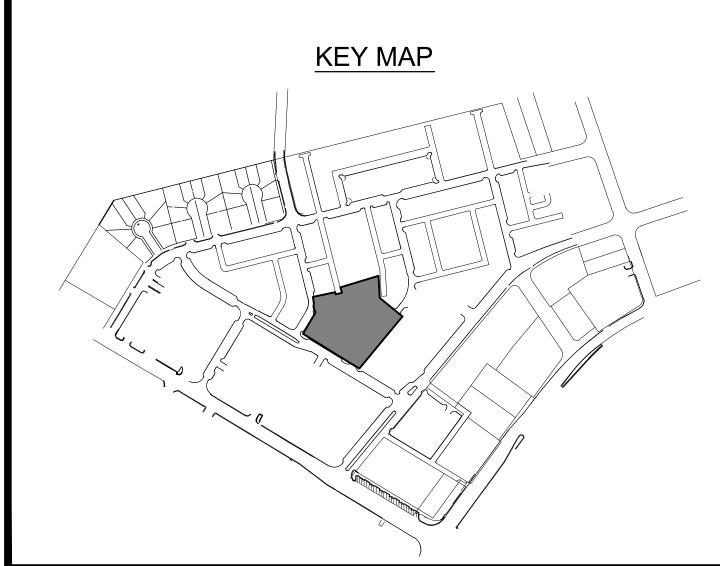
( IN FEET ) 1 inch = 30 ft. CE-129

FUTURE CONSTRUCTION FOR REFERENCE ONLY









FUTURE CONSTRUCTION FOR REFERENCE ONLY



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REGISTRATION STAMP

OWNE

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER

SUITLAND, MD

		REVISIONS
MARK	DATE	DESCRIPTION
AMT F	ILE NO.	16-0341.001
DATE:		06-16-2017
SCALE	<u>:</u>	

PERMIT SUBMISSION

SHEET TITLE

**DESIGNED BY:** 

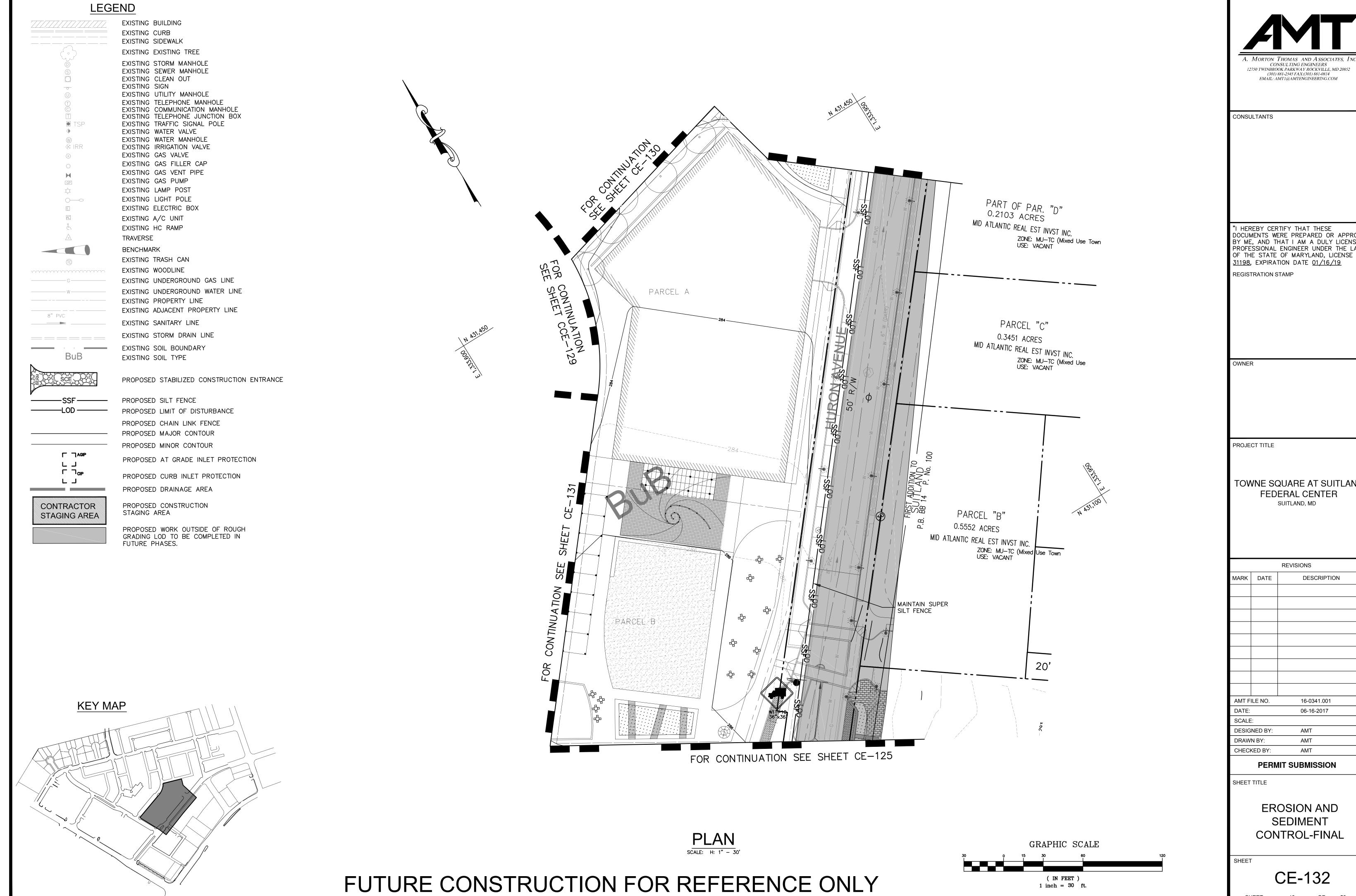
CHECKED BY:

EROSION AND
SEDIMENT
CONTROL-FINAL

SHEET

CE-131

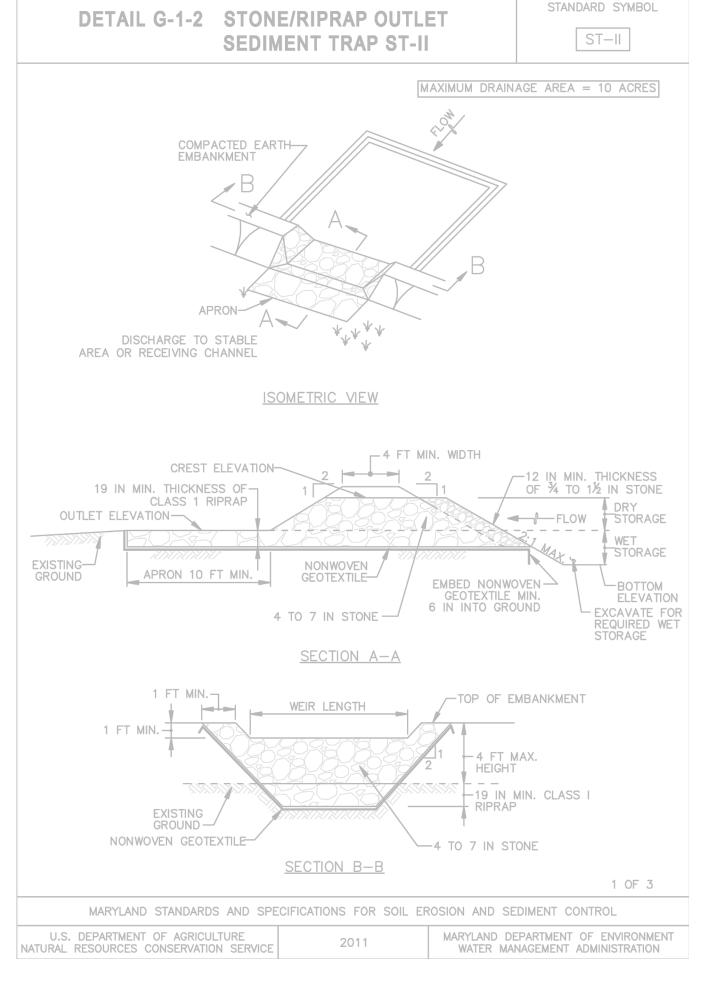
SHEET 45 OF 59

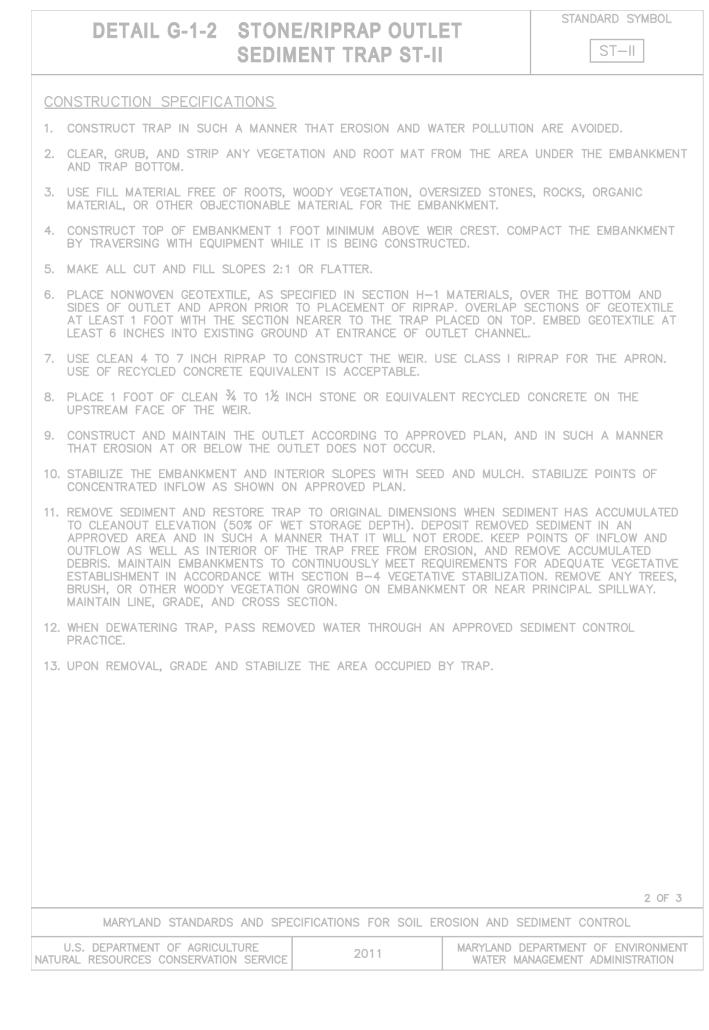


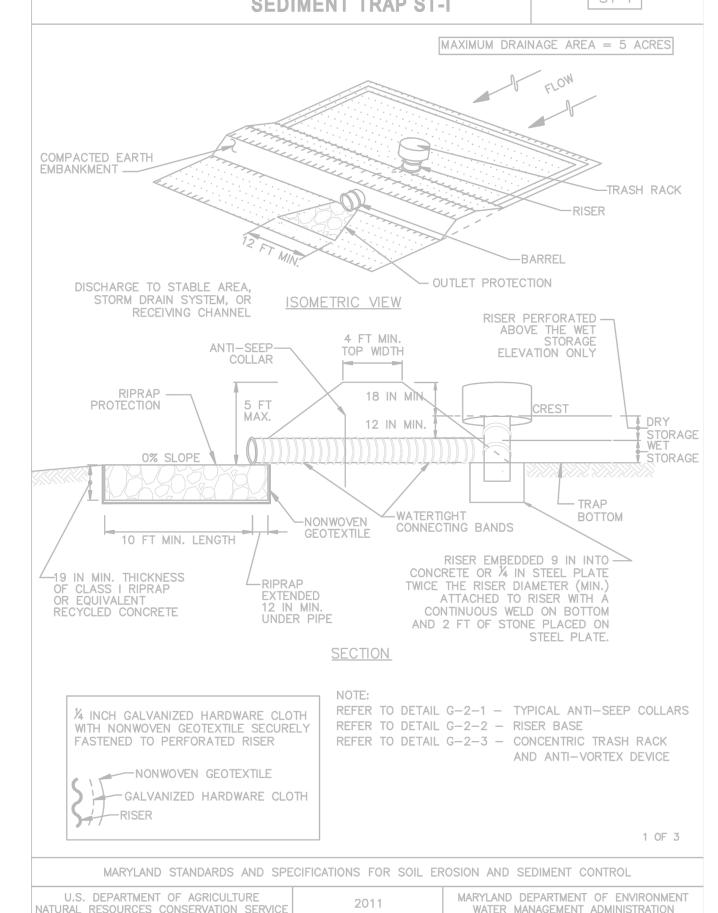
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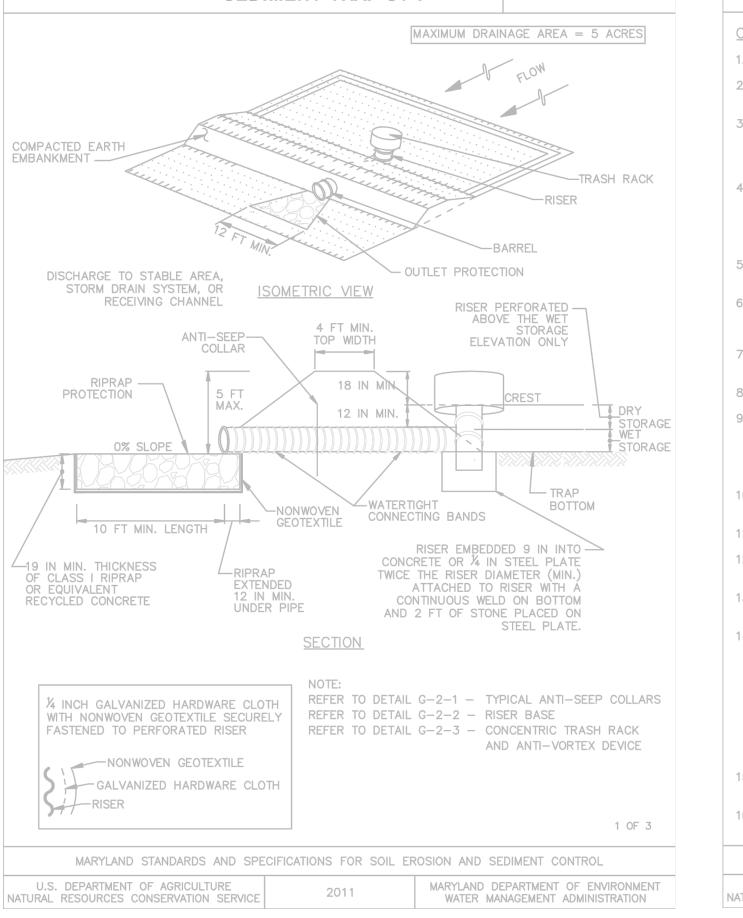
TOWNE SQUARE AT SUITLAND

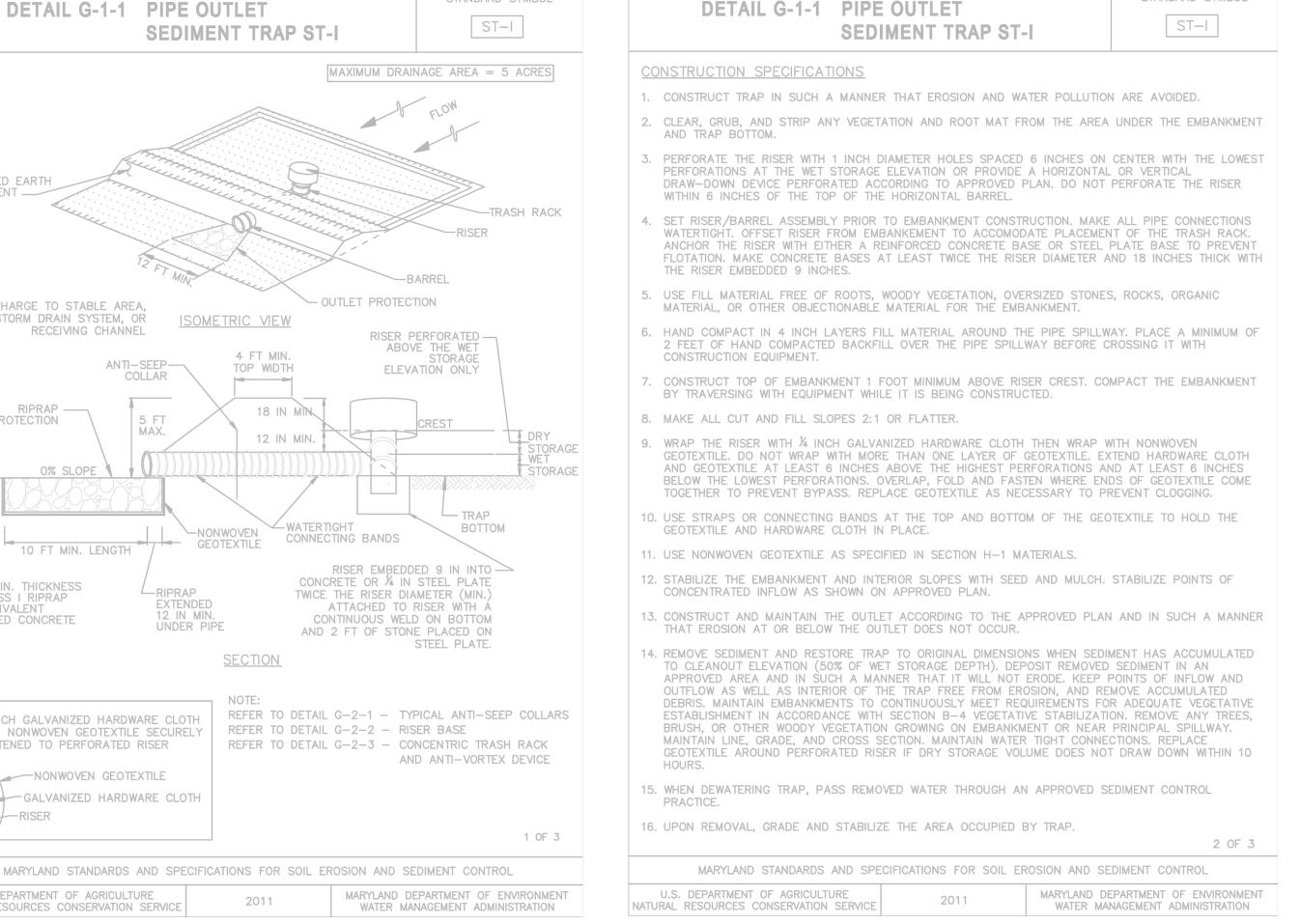
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AMT F	ILE NO.	16-0341.001
DATE:		06-16-2017
SCALE	E:	
DESIG	NED BY:	AMT
	N DV:	AMT



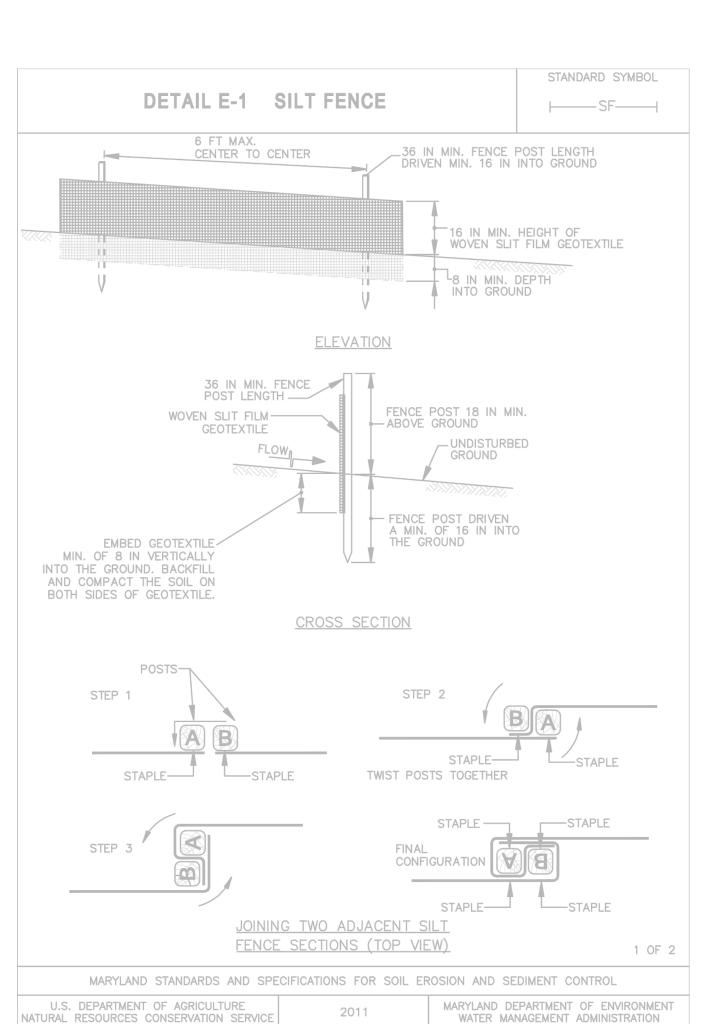


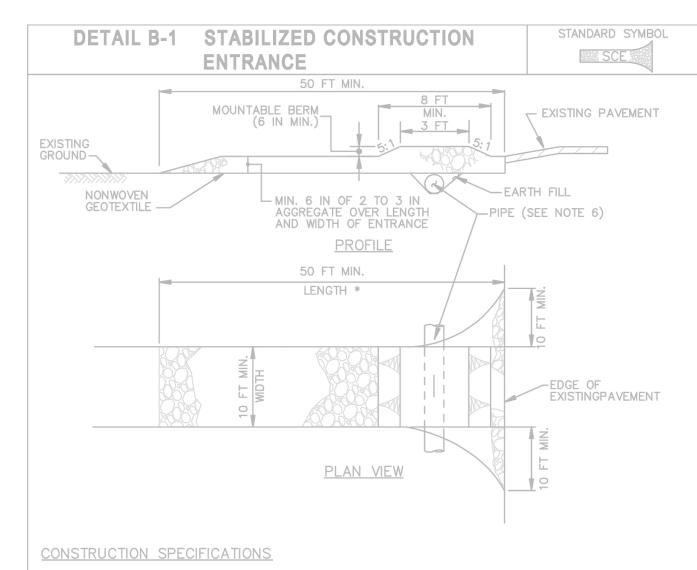






STANDARD SYMBOL

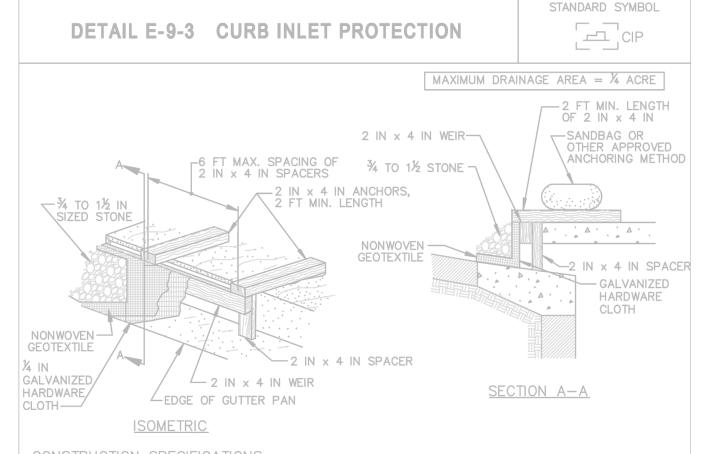




- . PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (\*30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
- 3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
- 4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
- MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

MARYLAND DEPARTMENT OF ENVIRONMENT U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



#### CONSTRUCTION SPECIFICATIONS

- 1. USE NOMINAL 2 INCH x 4 INCH LUMBER
- 2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
- 3. NAIL THE 2x4 WEIR TO 9 INCH LONG VERTICAL SPACERS (MAXIMUM 6 FEET APART).
- 4. ATTACH A CONTINUOUS PIECE OF  $^{1}\!\!\!/$  INCH GALVANIZED HARDWARE CLOTH, WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2x4 WEIR, EXTENDING IT 2 FEET BEYOND THROAT ON EACH SIDE.
- 5. PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH TO THE 2x4 WEIR.
- 6. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO 2x4 ANCHORS (MINIMUM 2 FEET LENGTH). EXTEND THE ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR
- OTHER APPROVED ANCHORING METHOD. 7. INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND THE ENDS OF THE THROAT OPENING.
- 8. FORM THE HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF CURB TO SPAN THE INLET OPENING. COVER THE HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN 34 TO 11/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
- 9. AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.
- 10. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. II INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MARYLAND DEPARTMENT OF ENVIRONMENT U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE

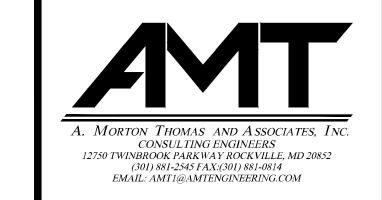
WATER MANAGEMENT ADMINISTRATION

— ¾ TO 1½ IN STONE 1/4 IN GALVANIZE HARDWARE CLOTH NONWOVEN GEOTEXTILE-⊢6 IN PLAN / CUT AWAY VIEW /──¼ IN HARDWARE CLOTH → ¾ TO 1½ IN STONE --- INLET GRATE 1111 - NONWOVEN GEOTEXTILE - WIRE TIES CROSS SECTION CONSTRUCTION SPECIFICATIONS 1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.

DETAIL E-9-2 AT-GRADE INLET PROTECTION

- 2. LIFT GRATE AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. SECURE WITH WIRE TIES AND SET GRATE BACK IN PLACE.
- 3. PLACE CLEAN 34 TO 11/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE
- 4. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING, IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMENT NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



CONSULTANTS

STANDARD SYMBOL

STANDARD SYMBOL

AGIP

MAXIMUM DRAINAGE AREA = 1 ACRE

"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31198, EXPIRATION DATE 01/16/19

REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

**REVISIONS** DESCRIPTION MARK DATE AMT FILE NO. 16-0341.001 06-16-2017 DATE: SCALE:

PERMIT SUBMISSION

AMT

AMT

AMT

SHEET TITLE

**DESIGNED BY:** 

CHECKED BY:

DRAWN BY:

**EROSION AND SEDIMENT** CONTROL DETAILS

SHEET

CE-50<sup>2</sup>

47 OF 59

STONE/RIPRAP OUTLET SEDIM	ENT TRAP ST-II, TRAP	NOA
DRAINAGE AREA — INITIAL	5.59	ACRES
DRAINAGE AREA — INTERIM		ACRES
DRAINAGE AREA — FINAL		ACRES
TOTAL STORAGE REQUIRED	20124	CF
OTAL STORAGE PROVIDED	20616	CF
VET STORAGE REQUIRED	10062	CF
WET STORAGE PROVIDED	10308	CF
DRY STORAGE REQUIRED	10062	CF
DRY STORAGE PROVIDED	10308	CF
XISTING GROUND ELEVATION AT OUTLET WET STORAGE ELEVATION)	277	FT
TRAP BOTTOM ELEVATION	275	FT
RAP BOTTOM DIMENSIONS	48.00 X 95.00	FT x FT
VEIR LENGTH	23	FT
WEIR CREST (DRY STORAGE) ELEVATION	277	FT
LEANOUT ELEVATION	276	FT
OP OF EMBANKMENT ELEVATION	280	FT
SIDE SLOPE	2:1	H: V RATIO
MBANKMENT TOP WIDTH	4	FT
DUTLET PROTECTION - LENGTH	10	FT
DUTLET PROTECTION — DEPTH	19	IN

DETAIL G-1-2 STONE/RIPRAP OUTLET

SEDIMENT TRAP ST-II

STANDARD SYMBOL

ST-II

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

2:1 SLOPE OR FLATTER

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

DETAIL G-1-2 STONE/RIPRAP OUTLET SEDIMENT TRAP ST-II	STANDARD SYMBOL
--	-----------------

STONE/RIPRAP OUTLET SEDIM	MENT TRAP ST-II, TRAP I	NO. <u>B</u>
DRAINAGE AREA — INITIAL	6.50	ACRES
DRAINAGE AREA — INTERIM		ACRES
DRAINAGE AREA - FINAL		ACRES
TOTAL STORAGE REQUIRED	23400	CF
TOTAL STORAGE PROVIDED	20616	CF
WET STORAGE REQUIRED	11700	CF
WET STORAGE PROVIDED	10308	CF
DRY STORAGE REQUIRED	11700	CF
DRY STORAGE PROVIDED	10308	CF
EXISTING GROUND ELEVATION AT OUTLET (WET STORAGE ELEVATION)	273	FT
TRAP BOTTOM ELEVATION	271	FT
TRAP BOTTOM DIMENSIONS	48.00 X 95.00	FT x FT
WEIR LENGTH	26	FT
WEIR CREST (DRY STORAGE) ELEVATION	275	FT
CLEANOUT ELEVATION	272	FT
TOP OF EMBANKMENT ELEVATION	276	FT
SIDE SLOPE	2:1	H: V RATIO
EMBANKMENT TOP WIDTH	4	FT
OUTLET PROTECTION - LENGTH	10	FT
OUTLET PROTECTION - DEPTH	19	IN

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMENT NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

3 OF 3

DETAIL G-1-1	PIPE OUTLET SEDIMENT TRAP ST-I	STANDARD SYMBOL

DRAINAGE AREA — INTIAL	1.30	ACRES
DRAINAGE AREA — INTERIM		ACRES
DRAINAGE AREA — FINAL		ACRES
TOTAL STORAGE REQUIRED	4680	CF
TOTAL STORAGE PROVIDED	5313	CF
WET STORAGE REQUIRED	2340	CF
WET STORAGE PROVIDED	2657	CF
DRY STORAGE REQUIRED	2340	CF
DRY STORAGE PROVIDED	2657	CF
TRAP BOTTOM ELEVATION	272.00	FT
TRAP BOTTOM DIMENSIONS	60.00 x 30.00	FT x FT
RISER CREST (DRY STORAGE) ELEVATION	274.60	FT
OUTLET (WET STORAGE) ELEVATION	273.50	FT
CLEANOUT ELEVATION	272.75	FT
TOP OF EMBANKMENT ELEVATION	276.10	FT
SIDE SLOPE	2:1	H: V RATIO
EMBANKMENT TOP WIDTH	4	FT
PRINCIPAL SPILLWAY MATERIAL (BARREL, RISER, ANTI—SEEP COLLAR)		
RISER DIAMETER	24	IN
BARREL DIAMETER	18	IN
TRASH RACK DIAMETER	36	IN
TRASH RACK HEIGHT	21	IN
ANTI-SEEP COLLAR DIMENSIONS	3.50 x 3.50	FT
OUTLET PROTECTION - LENGTH	10	FT
OUTLET PROTECTION - WIDTH	12	FT
OUTLET PROTECTION - DEPTH	19	IN

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

CONCRETE SLAB

CURB INLET TO MANHOLE/JUNCTION BOX CONVERSION DETAIL

U.S. DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

STORM SEWER STRUCTURE -

INLET FRAME/COVER —

CONCRETE SLAB -

STEPS

REBAR ·

EX 36" RCP

DETAIL G-1		ET TRAP ST-I

DRAINAGE AREA — INTIAL	3.43	ACRES
DRAINAGE AREA — INTERIM	0.10	ACRES
DRAINAGE AREA — FINAL		ACRES
TOTAL STORAGE REQUIRED	12348	CF
TOTAL STORAGE PROVIDED	12775	CF
WET STORAGE REQUIRED	6174	CF
WET STORAGE PROVIDED	6388	CF
DRY STORAGE REQUIRED	6174	CF
DRY STORAGE PROVIDED	6388	CF
TRAP BOTTOM ELEVATION	271	FT
TRAP BOTTOM DIMENSIONS	84.00 X 44.00	FT x FT
RISER CREST (DRY STORAGE) ELEVATION	274.11	FT
OUTLET (WET STORAGE) ELEVATION	273.25	FT
CLEANOUT ELEVATION	272.13	FT
TOP OF EMBANKMENT ELEVATION	275.61	FT
SIDE SLOPE	2:1	H: V RATIO
EMBANKMENT TOP WIDTH	4	FT
PRINCIPAL SPILLWAY MATERIAL (BARREL, RISER, ANTI-SEEP COLLAR)		
RISER DIAMETER	36	IN
BARREL DIAMETER	27	IN
TRASH RACK DIAMETER	54	IN
TRASH RACK HEIGHT	25	IN
ANTI-SEEP COLLAR DIMENSIONS	6.25 X 6.25	FT
OUTLET PROTECTION - LENGTH	10	FT
OUTLET PROTECTION - WIDTH	12	FT
OUTLET PROTECTION - DEPTH	19	IN

3 OF 3 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MARYLAND DEPARTMENT OF ENVIRONMENT U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

> NOTE: ADJUST HEIGHT OF STORM STRUCTURE BY SAW CUTTING OR ADDING TO DESIRED HEIGHT

A GROUT EXISTING HOLE IN CURB ILET AS REQURIED

OWNER

STANDARD SYMBOL

ST-I

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

CONSULTING ENGINEERS 12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852 (301) 881-2545 FAX:(301) 881-0814 EMÀIL: AMT1@AMTENGINEERING.COM

"I HEREBY CERTIFY THAT THESE

31198, EXPIRATION DATE 01/16/19

REGISTRATION STAMP

DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.

CONSULTANTS

REVISIONS			
MARK	DATE	DESCRIPTION	
AMT FILE NO.		16-0341.001	
DATE:		06-16-2017	
SCALE:			
DESIGNED BY:		AMT	
DRAWN BY:		AMT	

**PERMIT SUBMISSION** 

SHEET TITLE

CHECKED BY:

**EROSION AND** SEDIMENT CONTROL DETAILS

AMT

SHEET

STANDARD SYMBOL A-1 **DETAIL D-3-1 RIPRAP INFLOW PROTECTION** PLACE DESIGNATION (e.g. A-1) ON FLOW CHANNEL SIDE OF DIKE. SIDE SLOPE OF TRAP/BASIN 2:1 OR FLATTER— DIKE TYPE a - DIKE HEIGHT 18 IN MIN. 30 IN MIN. b — DIKE WIDTH 24 IN MIN. 36 IN MIN. 10 FT MIN. c - FLOW WIDTH 4 FT MIN. 6 FT MIN. d - FLOW DEPTH 12 IN MIN. 24 IN MIN. ISOMETRIC VIEW -TRAP/BASIN ENTRANCE SECTION A-1 SEED WITH STRAW MULCH AND TACK. (NOT ALLOWED FOR CLEAR WATER DIVERSION.)

#### MINIMUM OF 7 INCHES AND FLUSH WITH GROUND. CONSTRUCTION SPECIFICATIONS

U.S. DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

2:1 SLOPE OR FLATTER-

CONTINUOUS GRADE 0.5% MIN. TO 10% MAX. SLOPE

PLAN VIEW

FLOW CHANNEL STABILIZATION

GROUND

DETAIL C-1 EARTH DIKE

. REMOVE AND DISPOSE OF ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SO AS NOT TO INTERFERE WITH PROPER FUNCTION OF EARTHDIKE.

A-3/B-3 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE PRESSED INTO SOIL A

- 2. EXCAVATE OR SHAPE EARTH DIKE TO LINE, GRADE, AND CROSS SECTION AS SPECIFIED. BANK PROJECTIONS OR OTHER IRREGULARITIES ARE NOT ALLOWED.
- 3. COMPACT FILL.
- 4. CONSTRUCT FLOW CHANNEL ON AN UNINTERRUPTED, CONTINUOUS GRADE, ADJUSTING THE LOCATION DUE TO FIELD CONDITIONS AS NECESSARY TO MAINTAIN POSITIVE DRAINAGE.
- 5. PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.

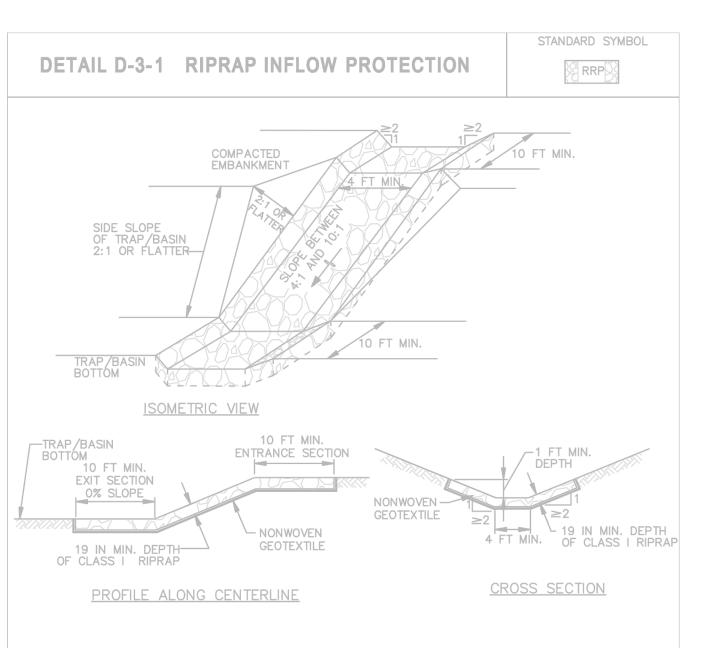
SECTION B-4 VEGETATIVE STABILIZATION.

A-2/B-2 SEED WITH SOIL STABILIZATION MATTING OR LINE WITH SOD.

- 6. STABILIZE EARTH DIKE WITHIN THREE DAYS OF INSTALLATION, STABILIZE FLOW CHANNEL FOR CLEAR WATER DIVERSION WITHIN 24 HOURS OF INSTALLATION.
- . MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS, AND MAINTAIN POSITIVE DRAINAGE. KEEP EARTH DIKE AND POINT OF DISCHARGE FREE OF EROSION, AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH
- 8. UPON REMOVAL OF EARTH DIKE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS OF REMOVAL STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED ON APPROVED PLAN.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

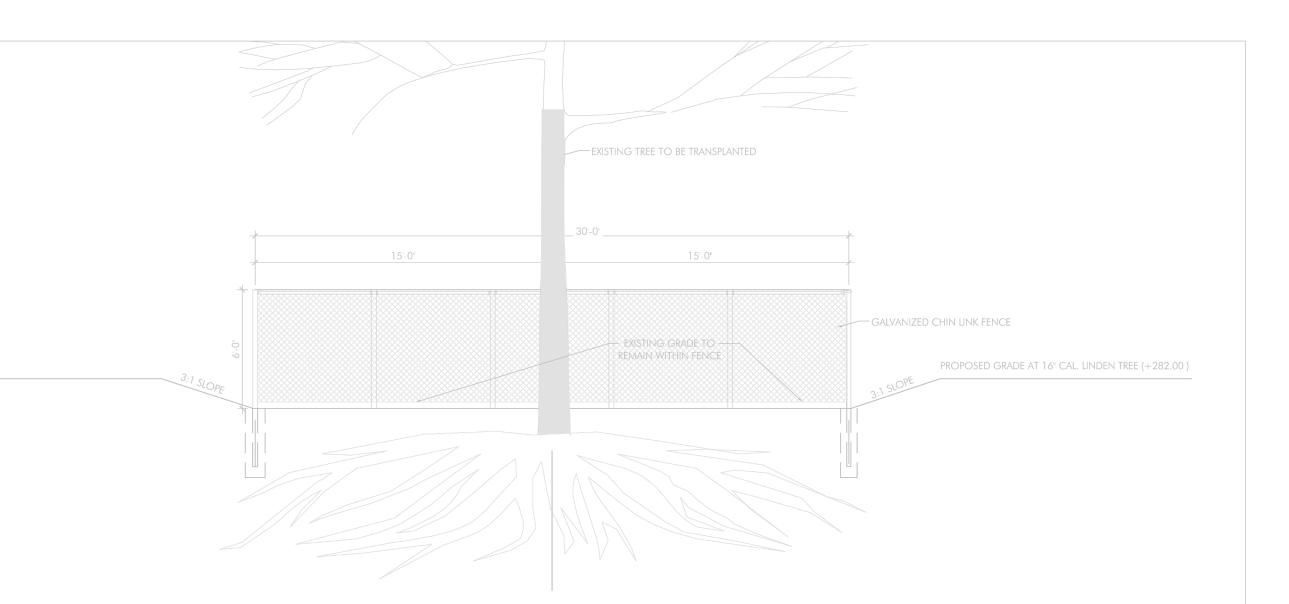
U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMENT NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



#### CONSTRUCTION SPECIFICATIONS

- . PROVIDE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND ALONG SIDES OF ALL RIPRAP.
- . CONSTRUCT INFLOW CHANNEL WITH CLASS I RIPRAP OR EQUIVALENT RECYCLED CONCRETE LINING TO A MINIMUM DEPTH OF 19 INCHES (2  $\times$   $D_{50}$ ) AND A 1 FOOT DEEP FLOW CHANNEL. INFLOW RIPRAP PROTECTION CHANNEL MUST HAVE A TRAPEZOIDAL CROSS SECTION WITH 2:1 OR FLATTER SIDE SLOPES AND A 4 FOOT MINIMUM BOTTOM WIDTH.
- 3. INSTALL ENTRANCE AND EXIT SECTIONS AS SHOWN ON THE PROFILE.
- 4. BLEND RIPRAP INTO EXISTING GROUND.
- 5. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMENT NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



3 OF 3

— PROPOSED GRADE GROUND

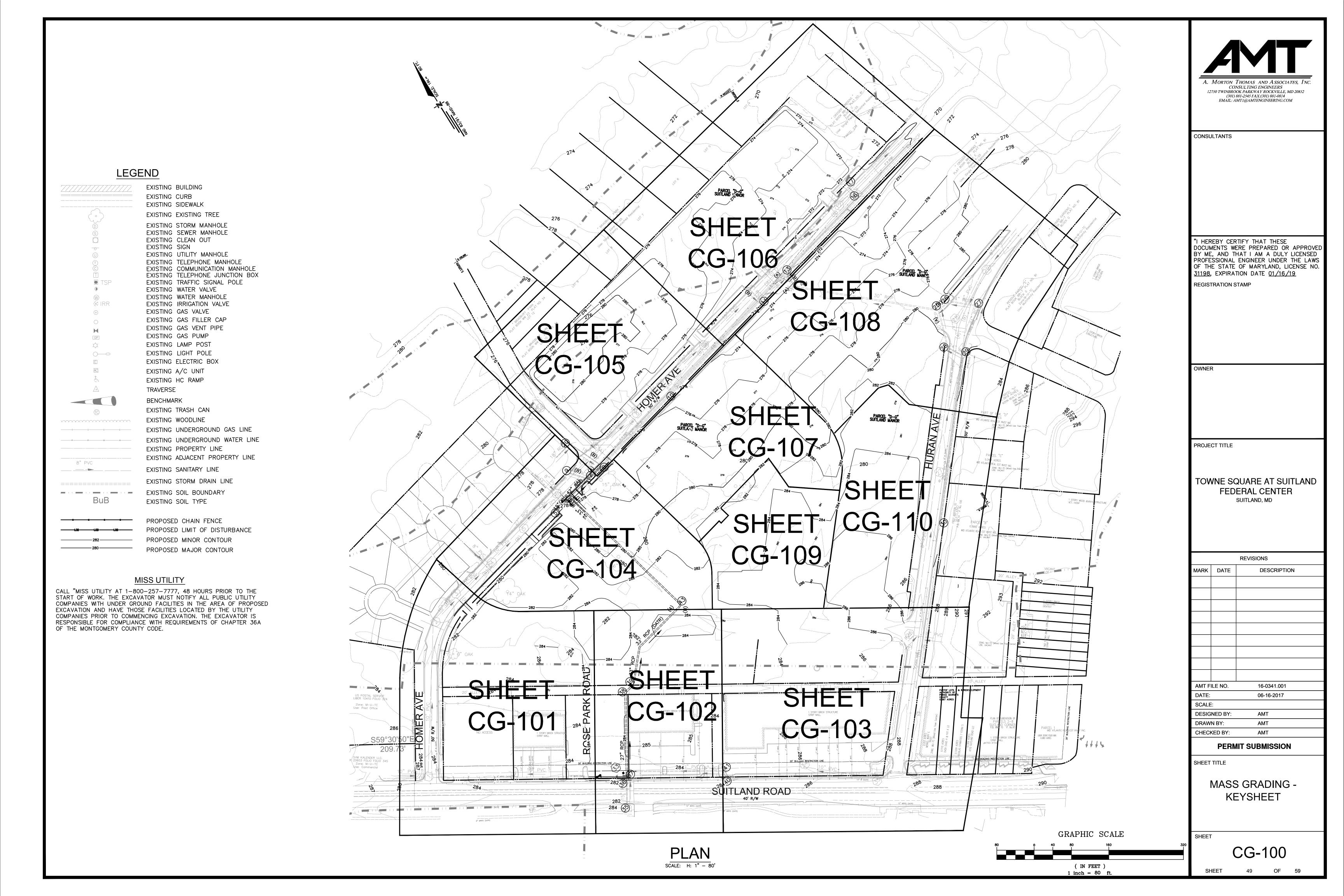
- REMOVER EXISTING GUTTER

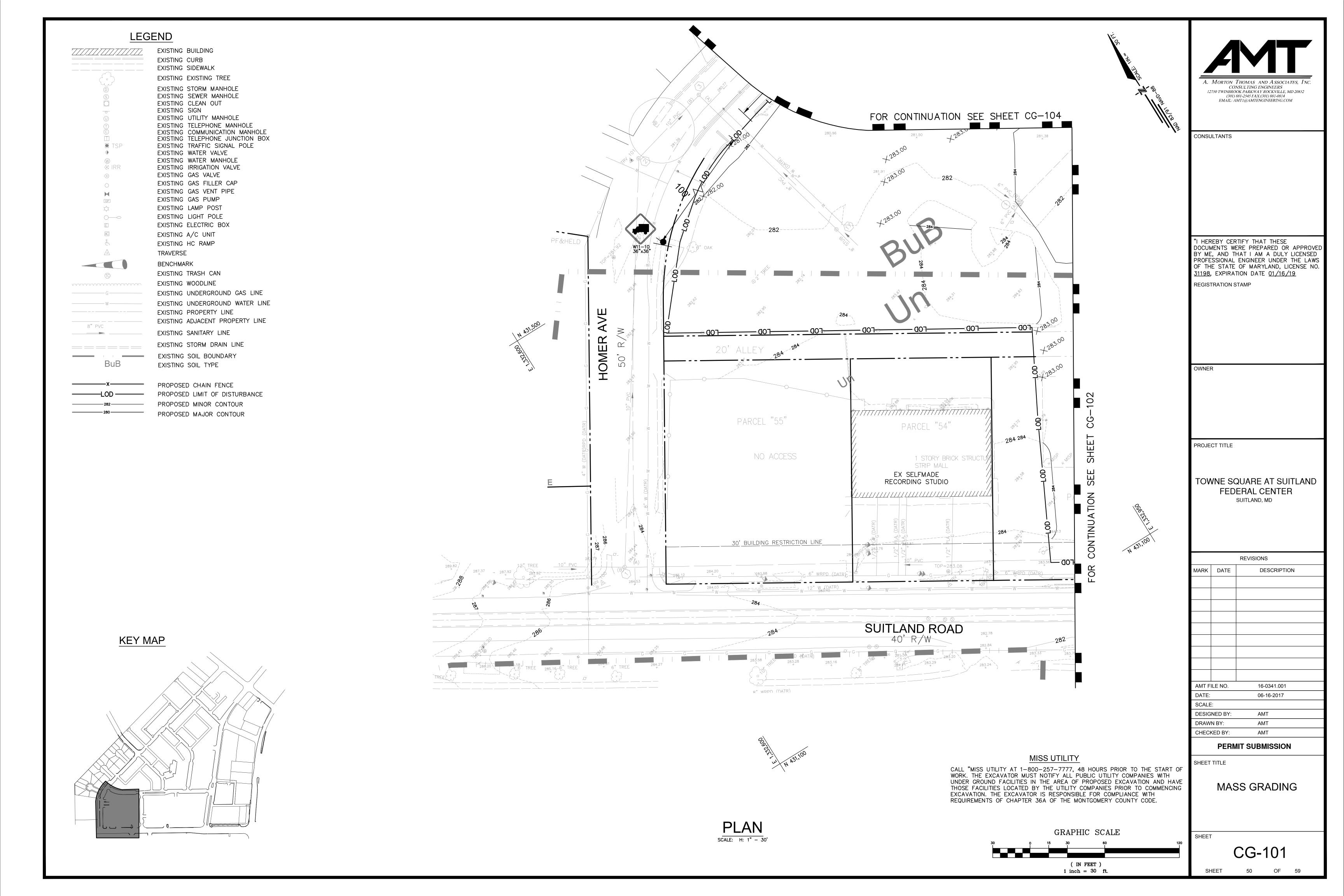
— EXISTING GROUND

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

TREE PROTECTION DETAIL

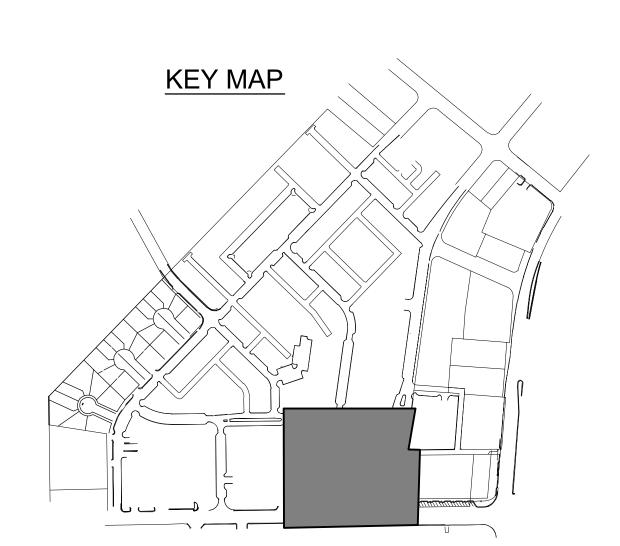


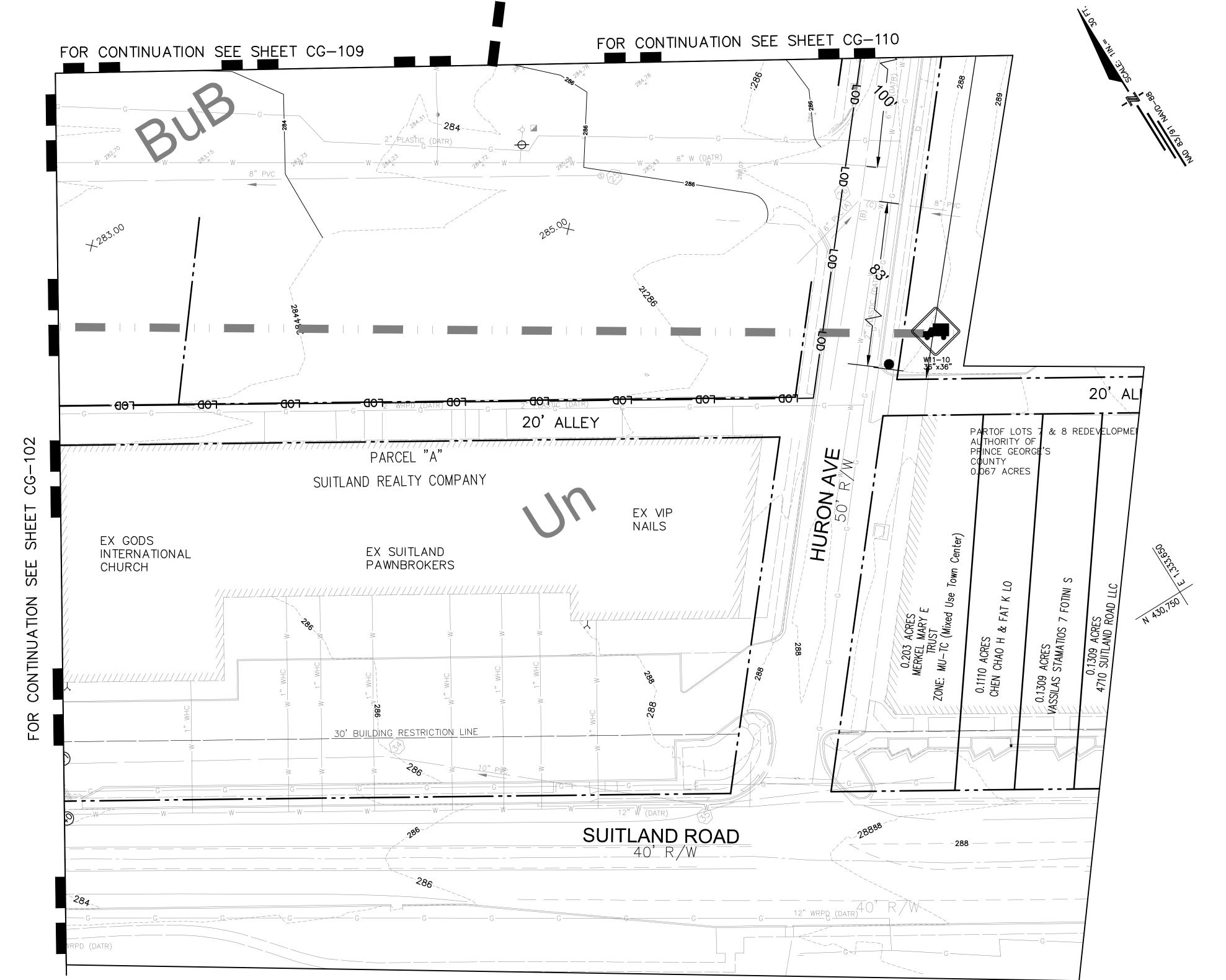


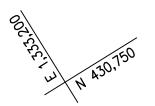
#### LEGEND EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK EXISTING EXISTING TREE A. MORTON THOMAS AND ASSOCIATES, INC. CONSULTING ENGINEERS EXISTING STORM MANHOLE 12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852 (301) 881-2545 FAX:(301) 881-0814 EMAIL: AMT1@AMTENGINEERING.COM EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN EXISTING UTILITY MANHOLE EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE CONSULTANTS EXISTING TELEPHONE JUNCTION BOX EXISTING TRAFFIC SIGNAL POLE FOR CONTINUATION SEE SHEET CG-104 EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE EXISTING GAS VALVE EXISTING GAS FILLER CAP EXISTING GAS VENT PIPE EXISTING GAS PUMP EXISTING LAMP POST EXISTING LIGHT POLE EXISTING ELECTRIC BOX EXISTING A/C UNIT "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED EXISTING HC RAMP BY ME, AND THAT I AM A DULY LICENSED TRAVERSE PROFESSIONAL ENGINEER UNDER THE LAWS BENCHMARK OF THE STATE OF MARYLAND, LICENSE NO. 31198, EXPIRATION DATE 01/16/19 EXISTING TRASH CAN REGISTRATION STAMP EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE EXISTING ADJACENT PROPERTY LINE 8" PVC EXISTING SANITARY LINE EXISTING STORM DRAIN LINE EXISTING SOIL BOUNDARY EXISTING SOIL TYPE PROPOSED CHAIN FENCE PROPOSED LIMIT OF DISTURBANCE PROPOSED MINOR CONTOUR 282.67 PROPOSED MAJOR CONTOUR 1 STORY BRICK STRUCTURE PROJECT TITLE STRIP MALL -284 ΕX DOLLAR SUBWAY GENERAL TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD 30' BUILDING RESTRICTION LINE - 282282 KEY MAP SUITLAND ROAD 40' R/W AMT DRAWN BY: CHECKED BY: AMT PERMIT SUBMISSION MISS UTILITY SHEET TITLE CALL "MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE MASS GRADING THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE. PLAN SCALE: H: 1" - 30' GRAPHIC SCALE CG-102 ( IN FEET ) 1 inch = 30 ft.

REVISIONS			
ARK	DATE	DESCRIPTION	
MT FILE NO.		16-0341.001	
ATE:		06-16-2017	
CALE	::		
ESIGNED BY:		AMT	

EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK EXISTING EXISTING TREE EXISTING STORM MANHOLE EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN EXISTING UTILITY MANHOLE EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX EXISTING TRAFFIC SIGNAL POLE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE EXISTING GAS VALVE EXISTING GAS FILLER CAP EXISTING GAS VENT PIPE EXISTING GAS PUMP EXISTING LAMP POST EXISTING LIGHT POLE EXISTING ELECTRIC BOX EXISTING A/C UNIT EXISTING HC RAMP TRAVERSE BENCHMARK EXISTING TRASH CAN EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE EXISTING ADJACENT PROPERTY LINE 8" PVC EXISTING SANITARY LINE EXISTING STORM DRAIN LINE EXISTING SOIL BOUNDARY EXISTING SOIL TYPE PROPOSED CHAIN FENCE PROPOSED LIMIT OF DISTURBANCE PROPOSED MINOR CONTOUR PROPOSED MAJOR CONTOUR

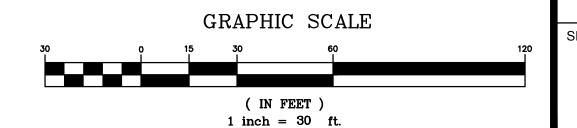






#### MISS UTILITY

CALL "MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.





CONSULTANTS

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REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND FEDERAL CENTER

SUITLAND, MD

REVISIONS		
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DRAWN BY:		AMT

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AMT

SHEET TITLE

CHECKED BY:

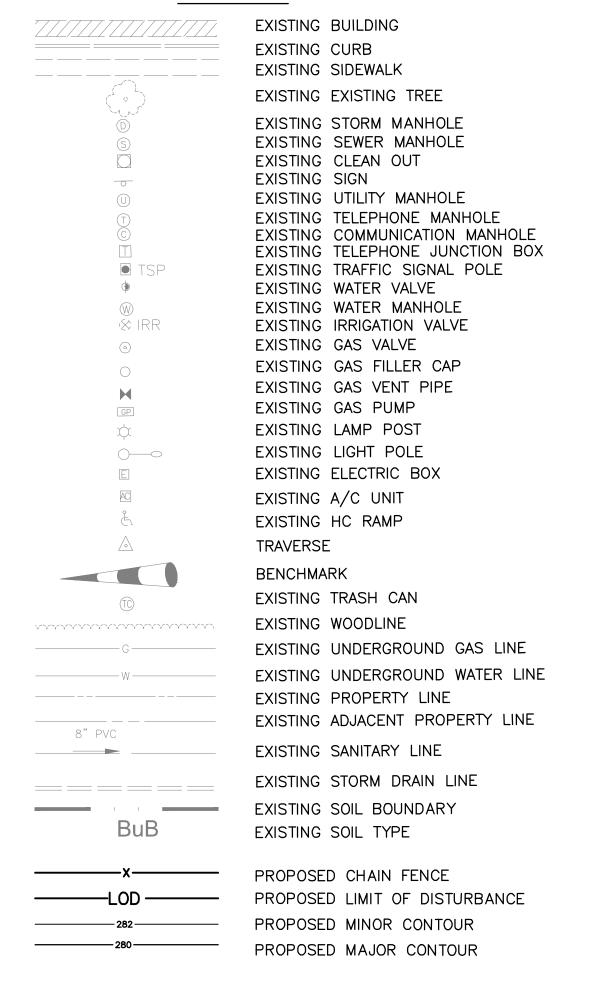
MASS GRADING

SHEET

CG-103

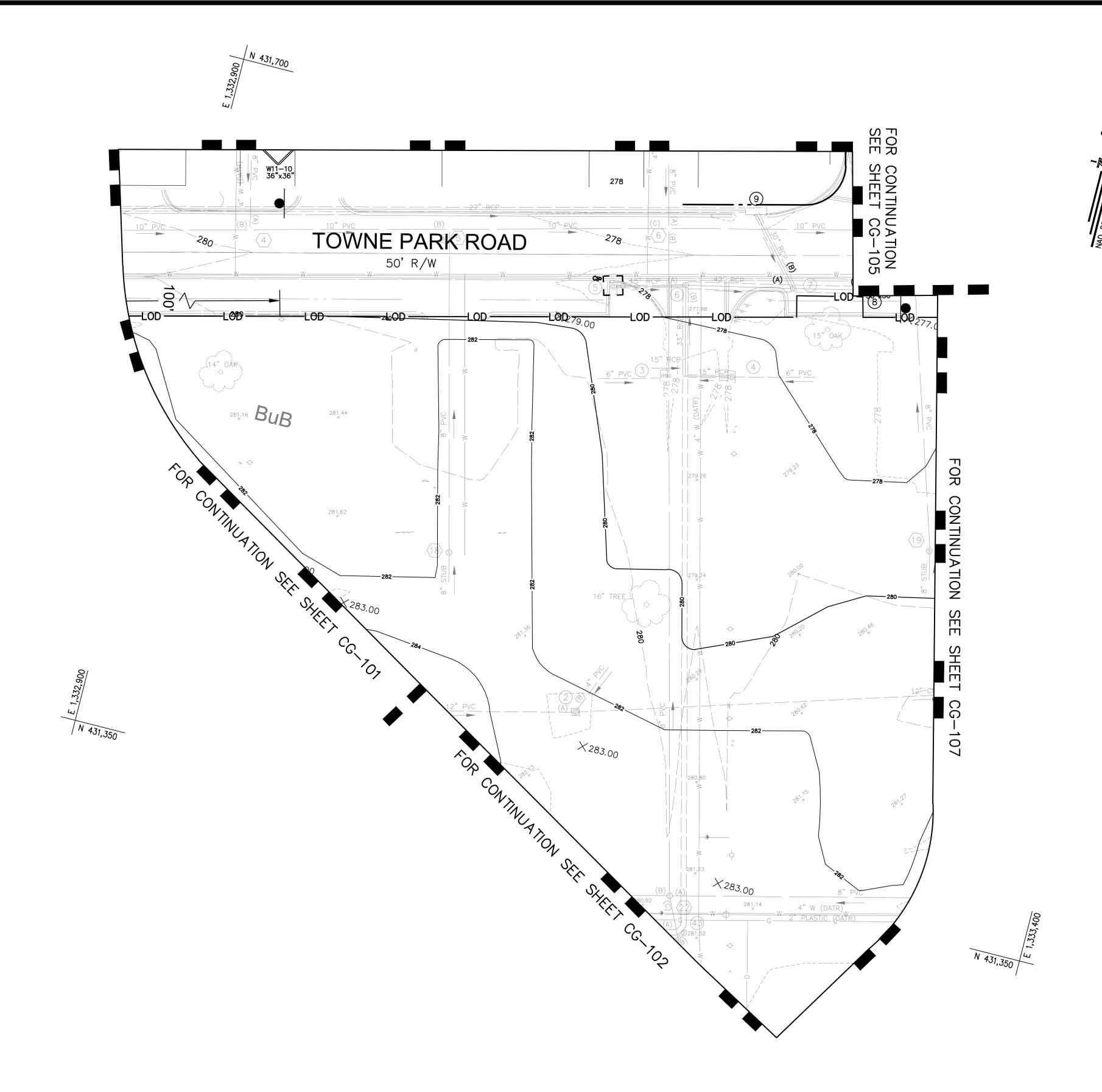
52 OF 59

PLAN
SCALE: H: 1" - 30'



**KEY MAP** 

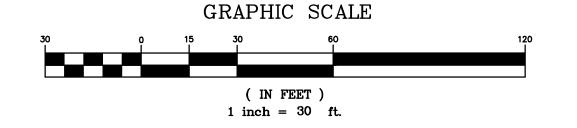


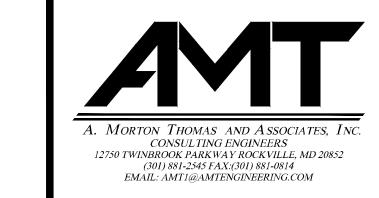


PLAN
SCALE: H: 1" - 30'

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REGISTRATION STAMP

OWNER

PROJECT TITLE

TOWNE SQUARE AT SUITLAND
FEDERAL CENTER
SUITLAND, MD

REVISIONS

MARK DATE DESCRIPTION

AMT FILE NO.		16-0341.001
DATE:		06-16-2017
SCALE:		
DESIGNED BY:		AMT
DRAWN BY:		AMT
CHECKED BY:		AMT

PERMIT SUBMISSION

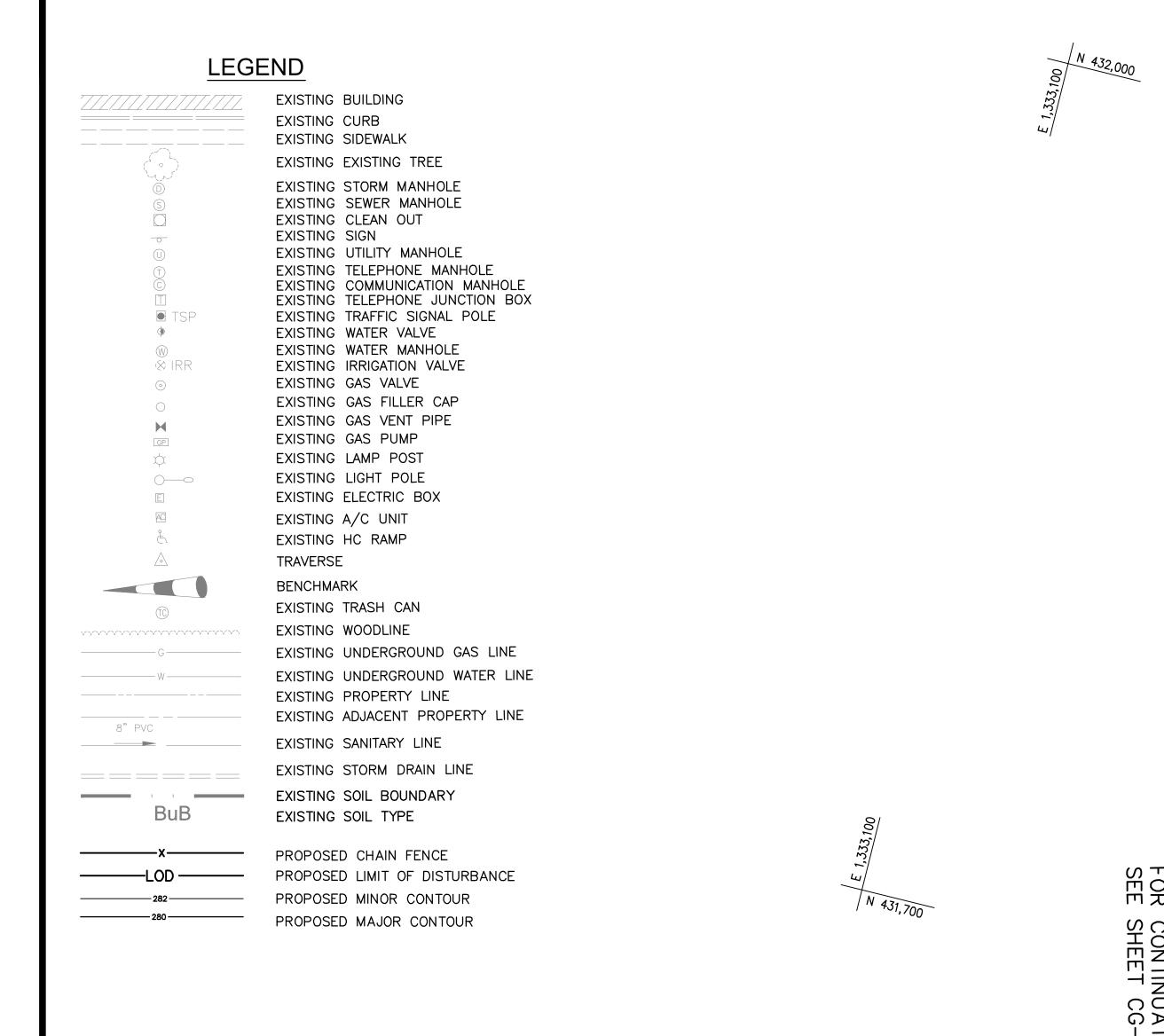
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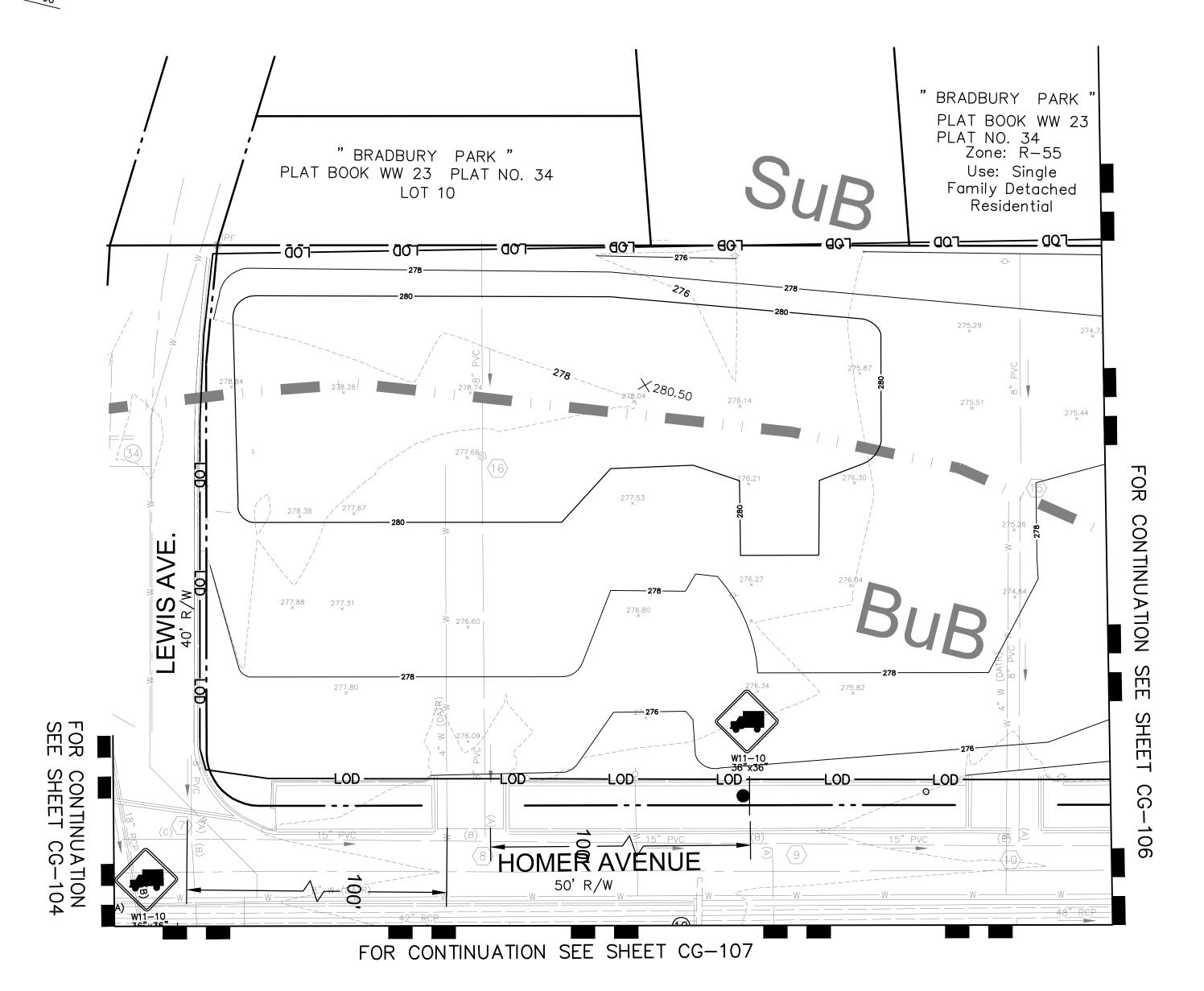
MASS GRADING

SHFFT

CG-104

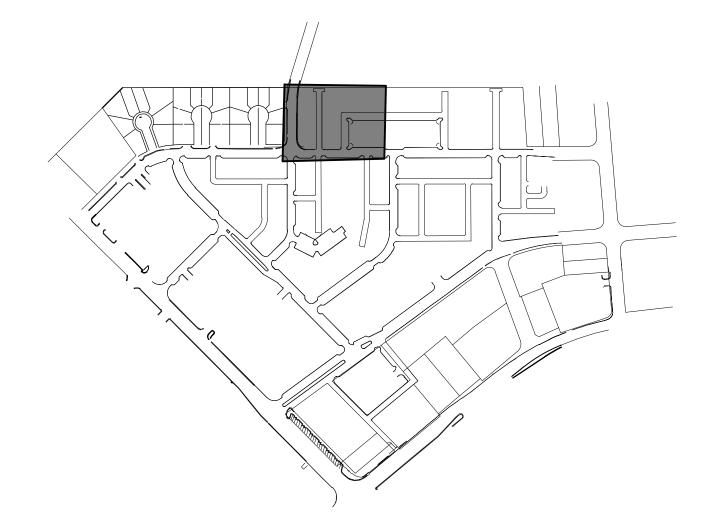
53 OF 59





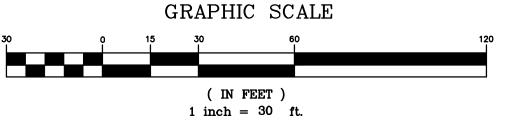
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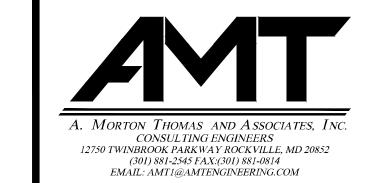
### **KEY MAP**



#### MISS UTILITY

CALL "MISS UTILITY AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.





CONSULTANTS

N 432,000 /

"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 31198, EXPIRATION DATE 01/16/19

REGISTRATION STAMP

OWNER

PROJECT TITLE

MARK DATE

TOWNE SQUARE AT SUITLAND
FEDERAL CENTER
SUITLAND, MD

REVISIONS

DESCRIPTION

AMT FILE NO.		16-0341.001
DATE:		06-16-2017
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PERMIT SUBMISSION

AMT

SHEET TITLE

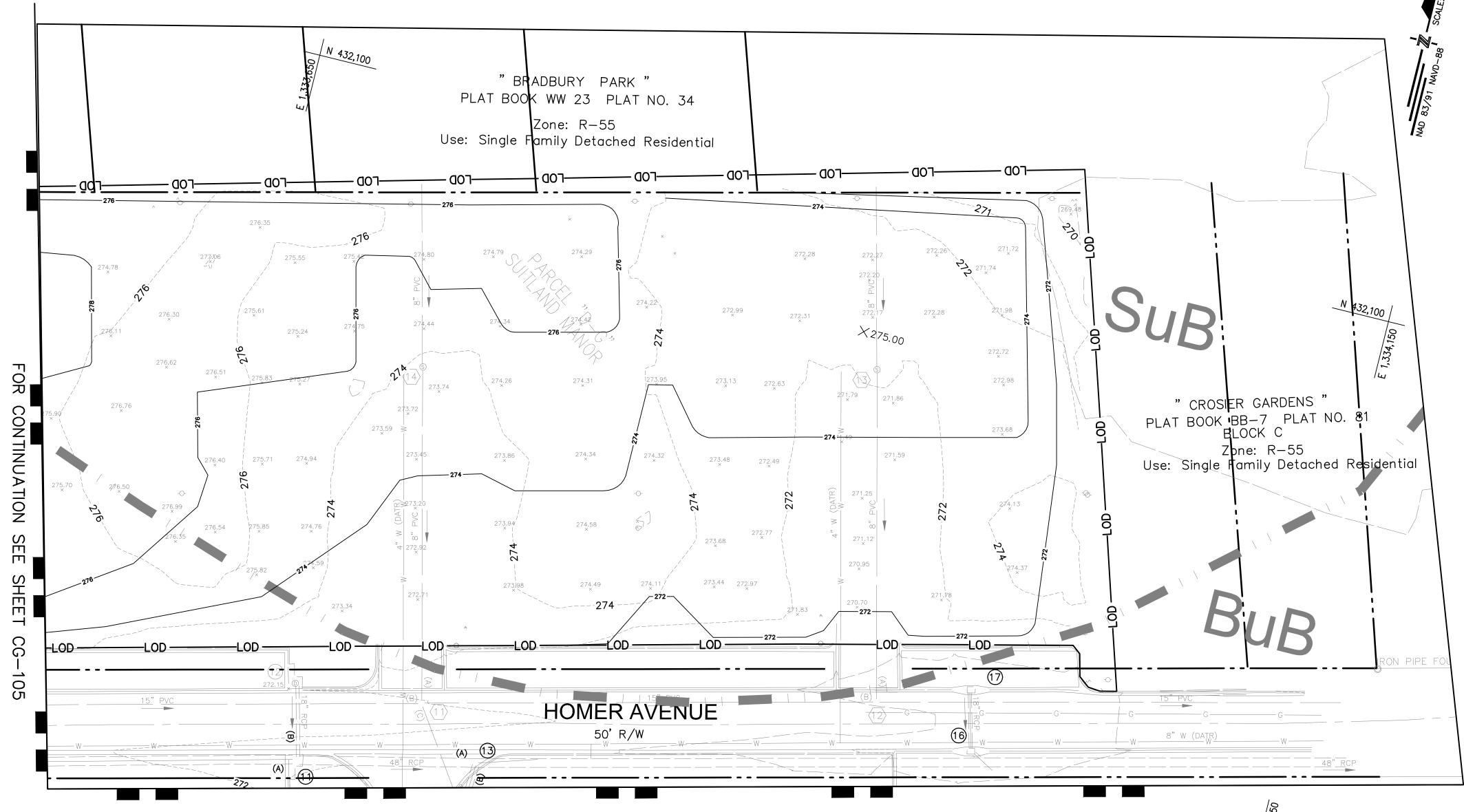
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MASS GRADING

SHEET

CG-105

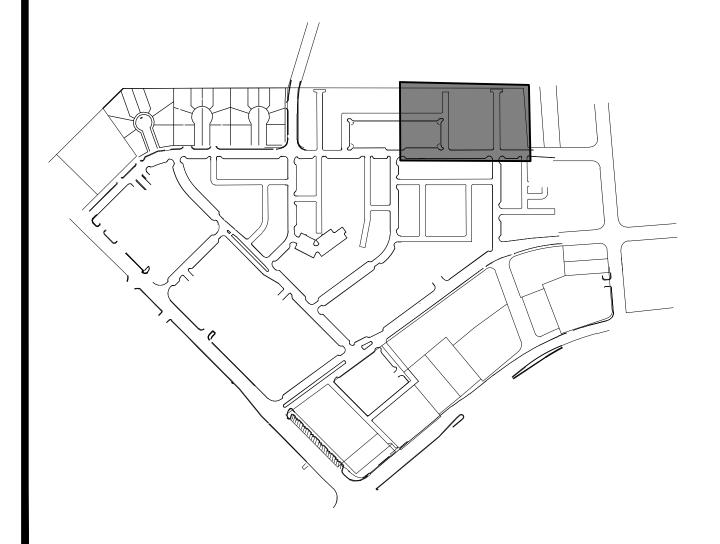
#### LEGEND EXISTING BUILDING EXISTING CURB EXISTING SIDEWALK EXISTING EXISTING TREE EXISTING STORM MANHOLE EXISTING SEWER MANHOLE EXISTING CLEAN OUT EXISTING SIGN EXISTING UTILITY MANHOLE EXISTING TELEPHONE MANHOLE EXISTING COMMUNICATION MANHOLE EXISTING TELEPHONE JUNCTION BOX EXISTING TRAFFIC SIGNAL POLE EXISTING WATER VALVE EXISTING WATER MANHOLE EXISTING IRRIGATION VALVE EXISTING GAS VALVE EXISTING GAS FILLER CAP EXISTING GAS VENT PIPE EXISTING GAS PUMP EXISTING LAMP POST EXISTING LIGHT POLE EXISTING ELECTRIC BOX EXISTING A/C UNIT EXISTING HC RAMP TRAVERSE BENCHMARK EXISTING TRASH CAN EXISTING WOODLINE EXISTING UNDERGROUND GAS LINE EXISTING UNDERGROUND WATER LINE EXISTING PROPERTY LINE EXISTING ADJACENT PROPERTY LINE 8" PVC EXISTING SANITARY LINE EXISTING STORM DRAIN LINE EXISTING SOIL BOUNDARY EXISTING SOIL TYPE PROPOSED CHAIN FENCE PROPOSED LIMIT OF DISTURBANCE PROPOSED MINOR CONTOUR PROPOSED MAJOR CONTOUR



PLAN
SCALE: H: 1" - 30'

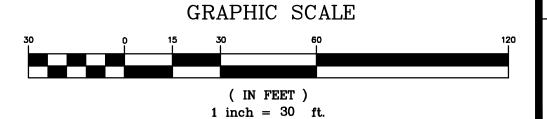
FOR CONTINUATION SEE SHEET CG-108

KEY MAP



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REGISTRATION STAMP

OWNER

PROJECT TITLE

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REVISIONS

SUITLAND, MD

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PERMIT SUBMISSION

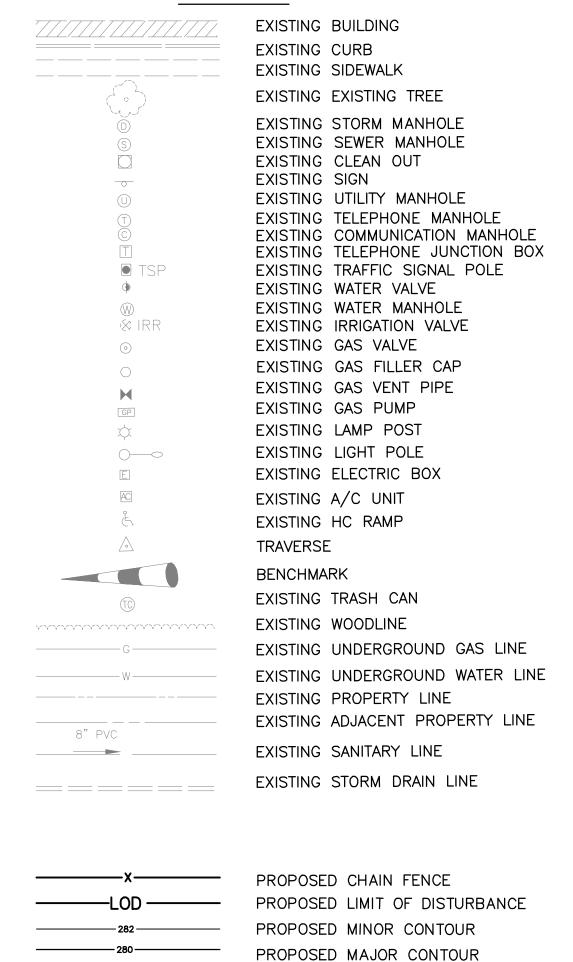
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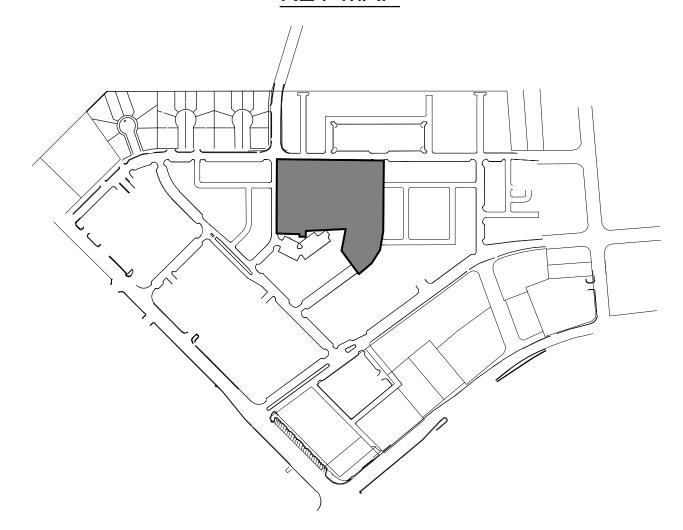
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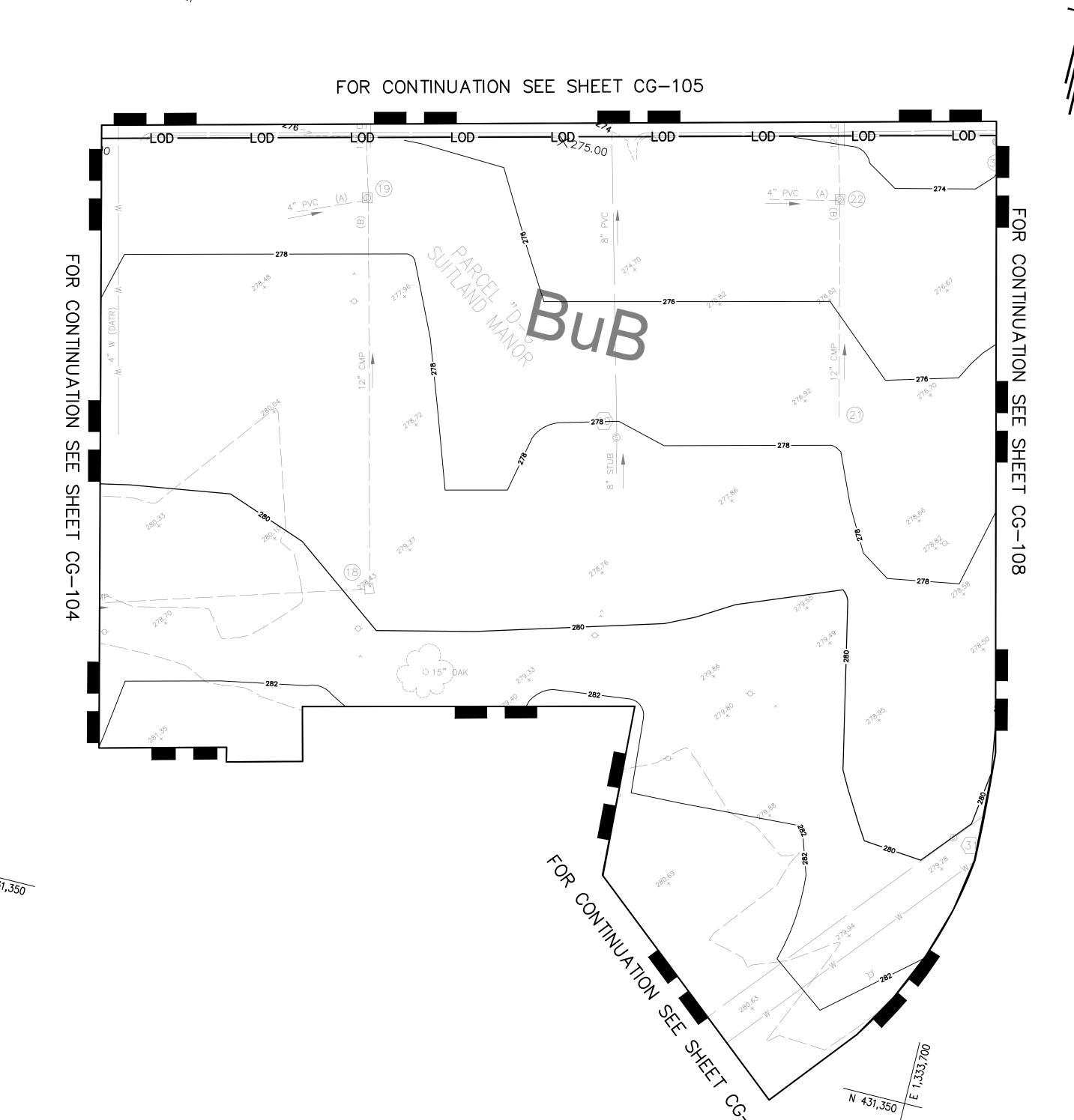
CG-106

55 OF 59



### **KEY MAP**



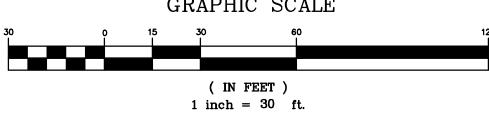


#### MISS UTILITY

PLAN SCALE: H: 1" - 30'

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GRAPHIC SCALE





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TOWNE SQUARE AT SUITLAND FEDERAL CENTER SUITLAND, MD

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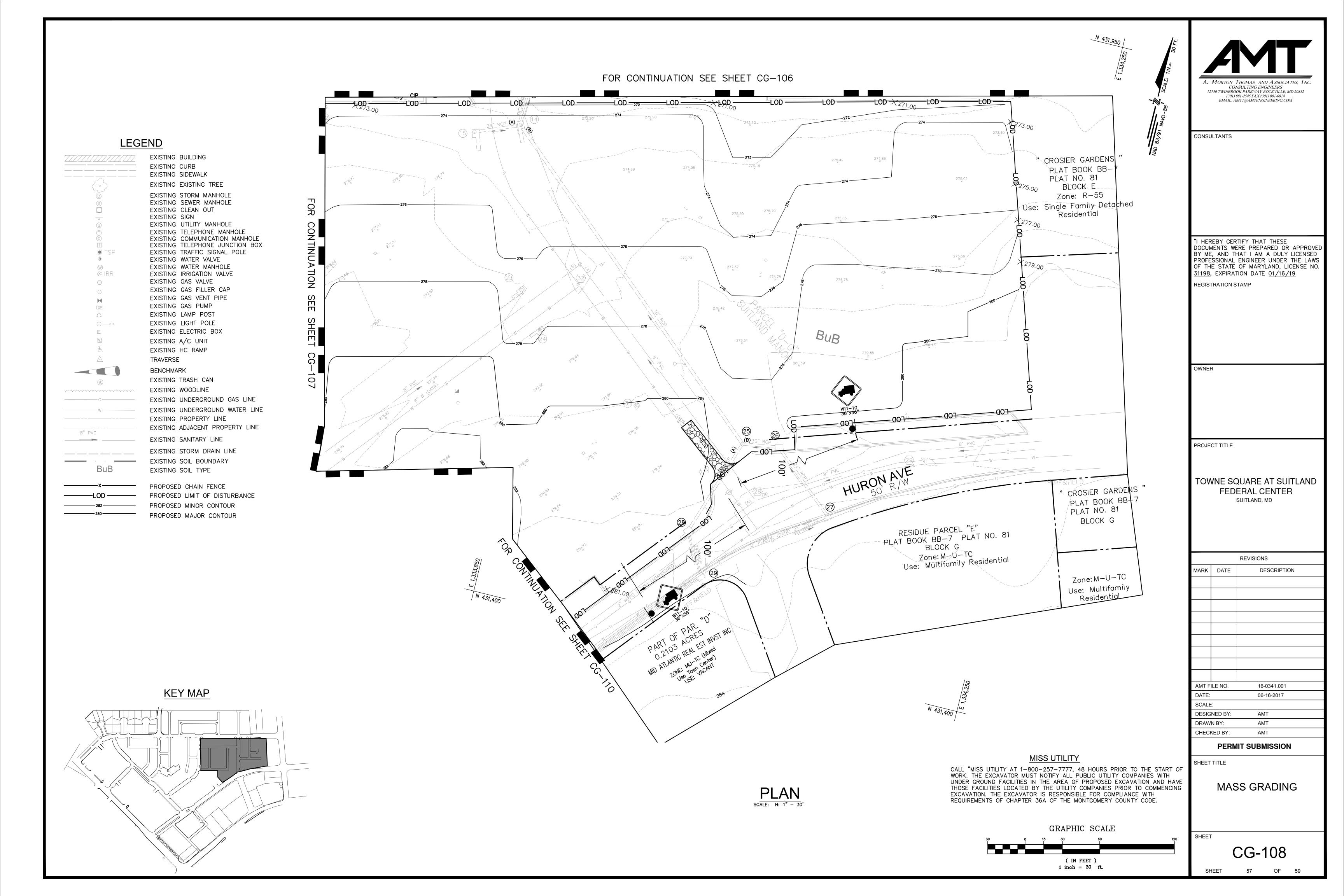
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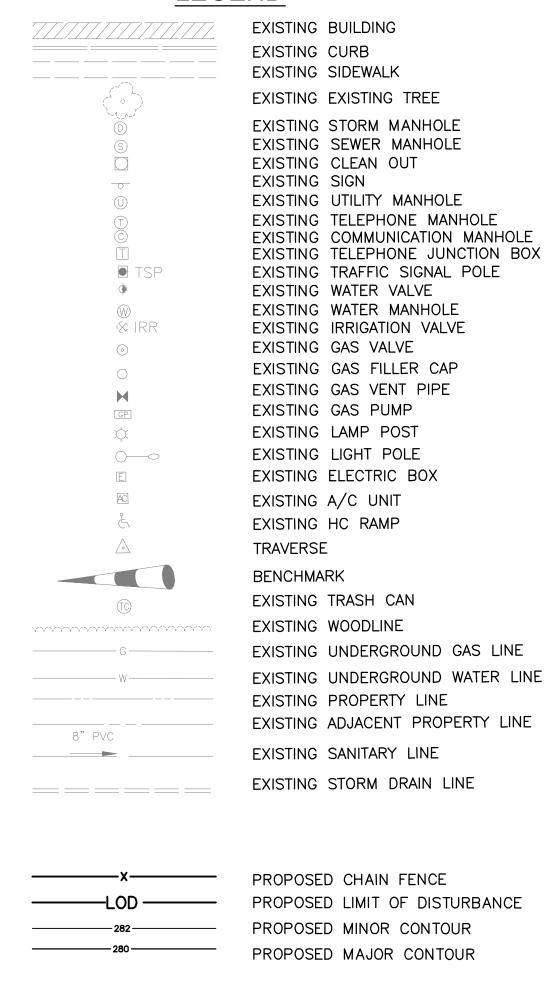
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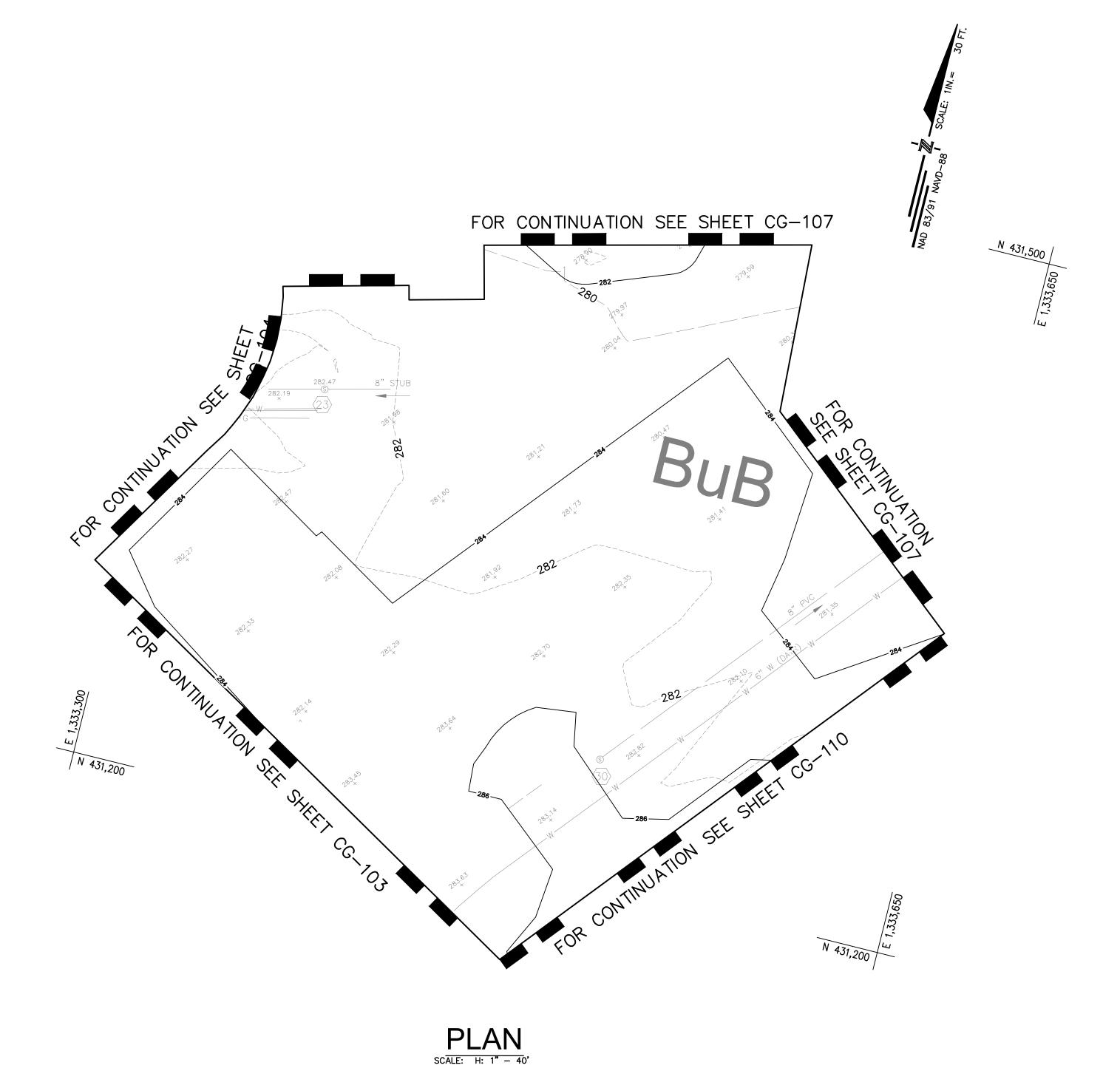
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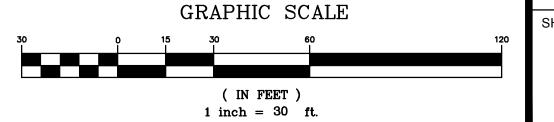
KEY MAP





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A. MORTON THOMAS AND ASSOCIATES, INC.

CONSULTING ENGINEERS

12750 TWINBROOK PARKWAY ROCKVILLE, MD 20852

(301) 881-2545 FAX:(301) 881-0814

EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

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TOWNE SQUARE AT SUITLAND FEDERAL CENTER

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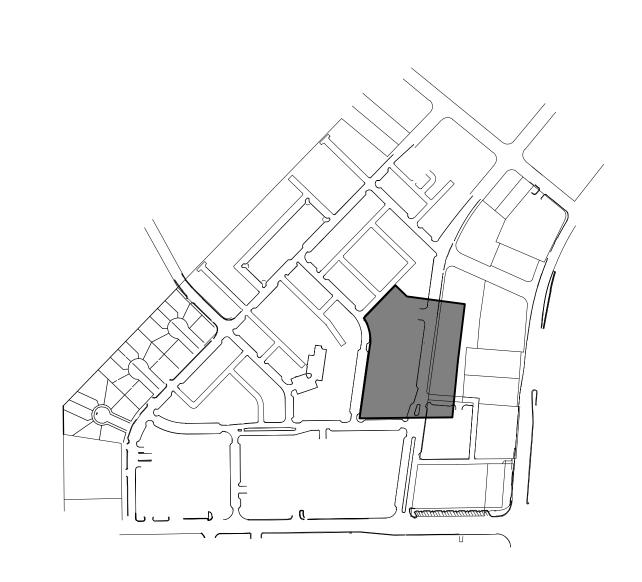
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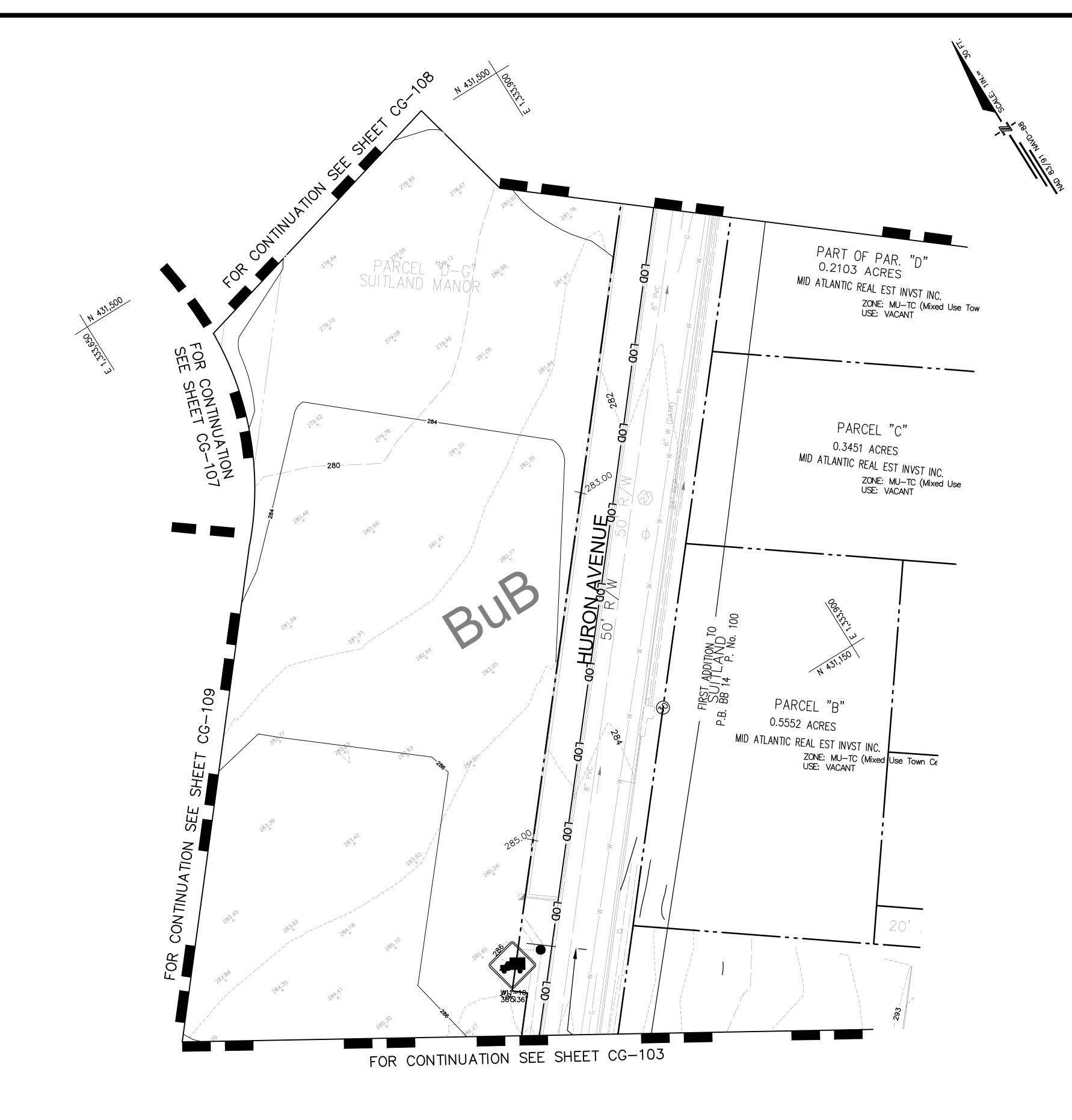
MASS GRADING

SHFFT

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**KEY MAP** 

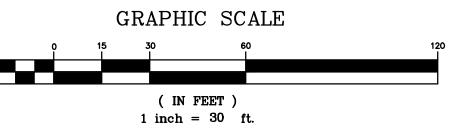




PLAN
SCALE: H: 1" - 30'

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MASS GRADING