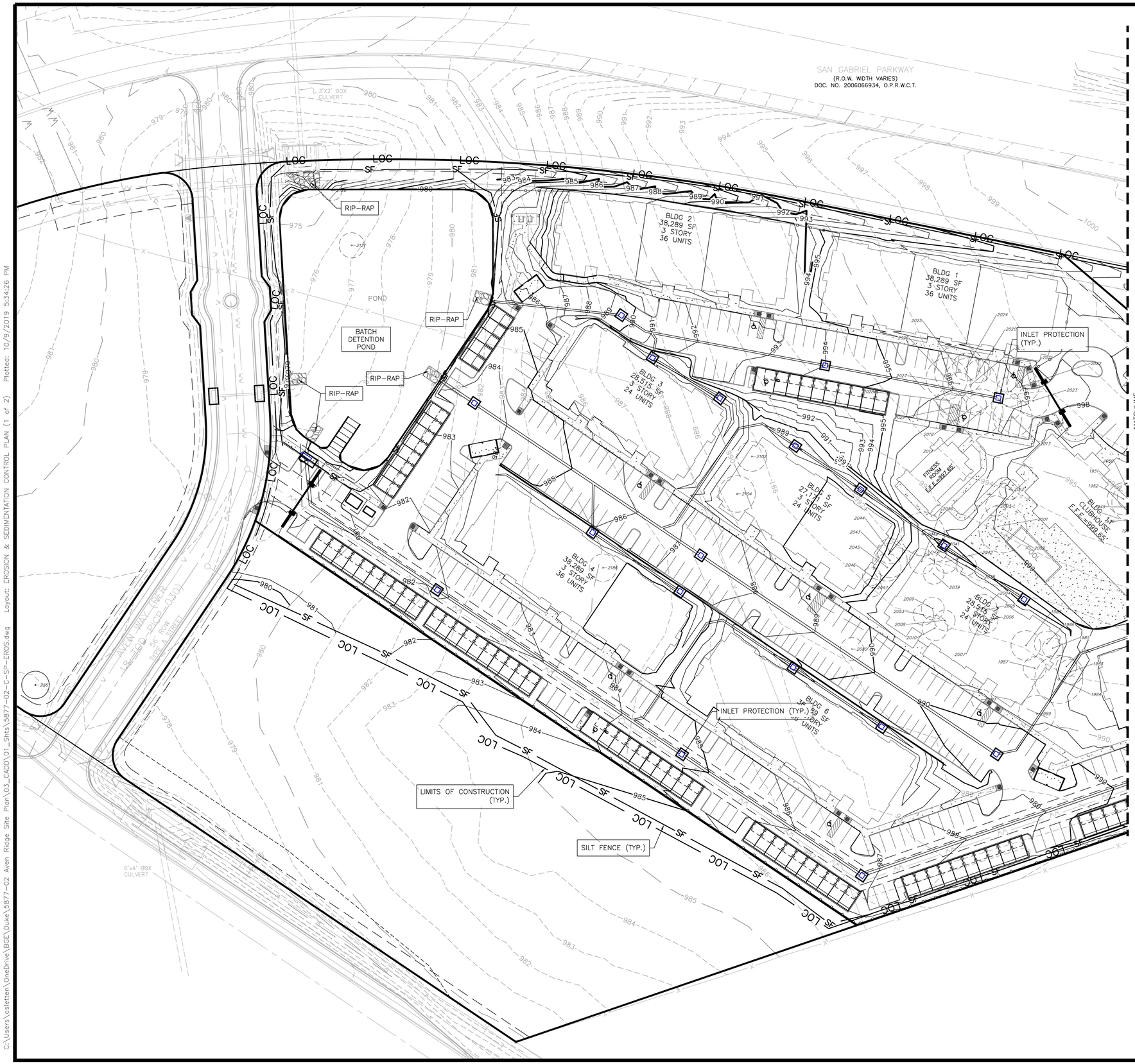


N

0 20' 40' 80'
SCALE: 1" = 40'

LEGEND

- PROPERTY BOUNDARY
- XXX — PROPOSED CONTOUR
- XXX — EXISTING CONTOUR
- PROPOSED STORM DRAIN LINE
- LOC — LIMITS OF CONSTRUCTION
- SF — TEMPORARY SILT FENCE
- T — TREE PROTECTION FENCE (SEE COA DETAIL 610 AND 610S-2)
- TEMPORARY SILT FENCE W/ J HOOKS
- TEMPORARY INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY SPOILS AND STORAGE AREA
- SLOPE MATTING
- TREE TO BE REMOVED
- TREE TO REMAIN
- CONCRETE WASHOUT

REV	DESCRIPTION	DATE	APR

DESIGNED BY:
REVIEWED BY:
DRAWN BY:

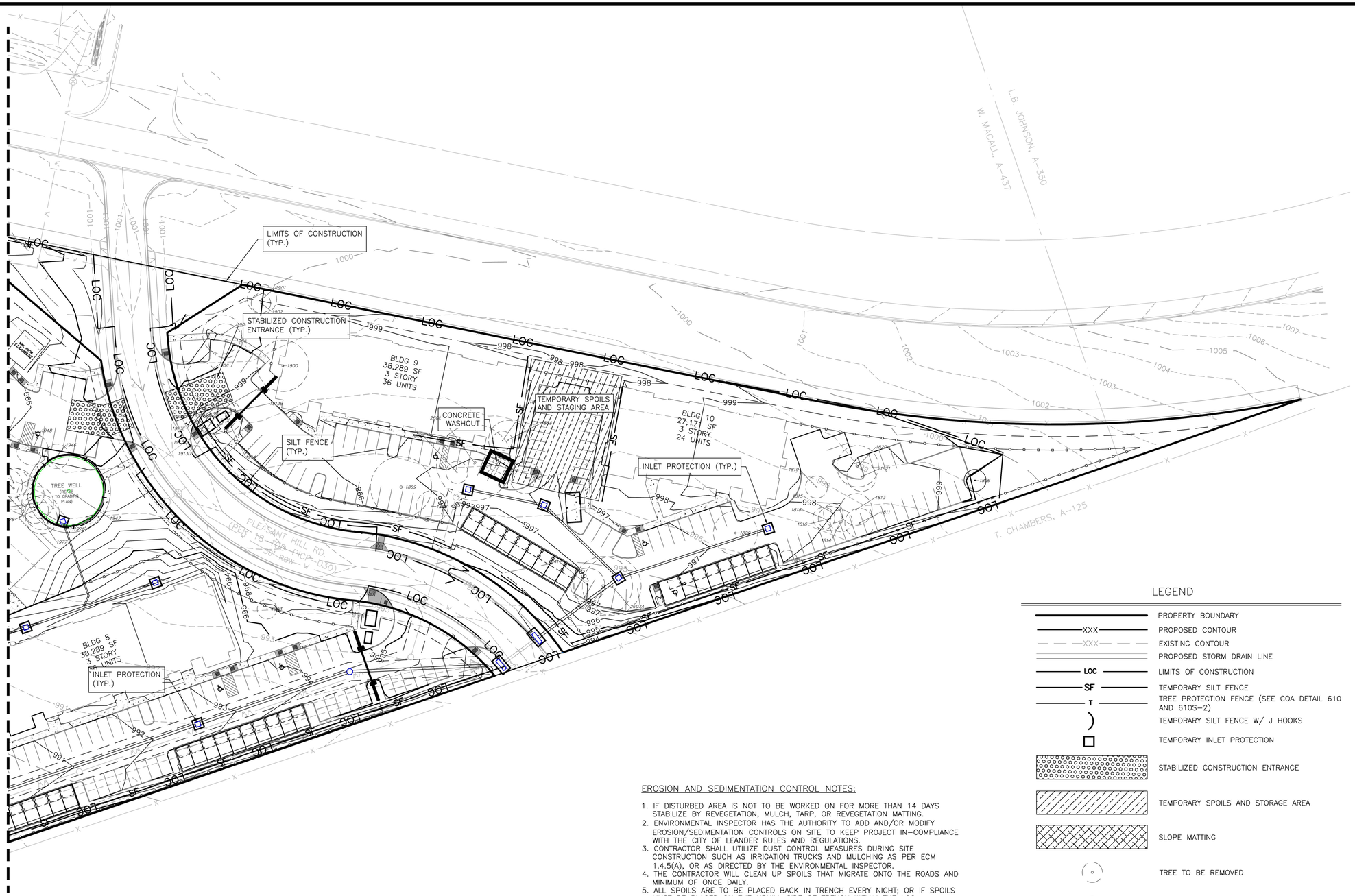
BGE, Inc.
7000 NORTH MOPAC, SUITE 330
AUSTIN, TX 78731
TEL: 512-879-0400 • www.bgeinc.com
TBPE Registration No. F-1046

AVEN RIDGE SITE PLAN

EROSION & SEDIMENTATION CONTROL PLAN (1 OF 2)

10/11/2019
STATE OF TEXAS
CHRISTOPHER R. RAWLS
124994
LICENSED PROFESSIONAL ENGINEER

C:\Users\cpletten\OneDrive\BGE\Duke\5877-02 Aven Ridge Site Plan\03_CADD\01_Shts\5877-02-C-SP-EROS.dwg Layout: EROSION & SEDIMENTATION CONTROL PLAN (1 of 2) Plotted: 10/9/2019 5:34:26 PM



LEGEND

- PROPERTY BOUNDARY
- XXX — PROPOSED CONTOUR
- XXX — EXISTING CONTOUR
- PROPOSED STORM DRAIN LINE
- LOC — LIMITS OF CONSTRUCTION
- SF — TEMPORARY SILT FENCE
- T — TREE PROTECTION FENCE (SEE COA DETAIL 610 AND 610S–2)
- TEMPORARY SILT FENCE W/ J HOOKS
- TEMPORARY INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY SPOILS AND STORAGE AREA
- SLOPE MATTING
- TREE TO BE REMOVED
- TREE TO REMAIN
- CONCRETE WASHOUT

EROSION AND SEDIMENTATION CONTROL NOTES:

1. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS STABILIZE BY REVEGETATION, MULCH, TARP, OR REVEGETATION MATTING.
2. ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN–COMPLIANCE WITH THE CITY OF LEANDER RULES AND REGULATIONS.
3. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(A), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
4. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS AND MINIMUM OF ONCE DAILY.
5. ALL SPOILS ARE TO BE PLACED BACK IN TRENCH EVERY NIGHT; OR IF SPOILS MUST BE PLACED ON THE UPHILL SIDE OF TRENCH WITHIN THE LOC.
6. A PRECONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
7. CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY SEDIMENT TRANSPORTED FROM THE LOC TO THE OFFSITE DETENTION / WATER QUALITY POND(S).

REV	DESCRIPTION	DATE	APR

DESIGNED BY:

REVIEWED BY:

DRAWN BY:

BGE, Inc.
7000 NORTH MOPAC, SUITE 330
AUSTIN, TX 78731
TEL: 512-879-0400 • www.bgeinc.com
TBPE Registration No. F-1046

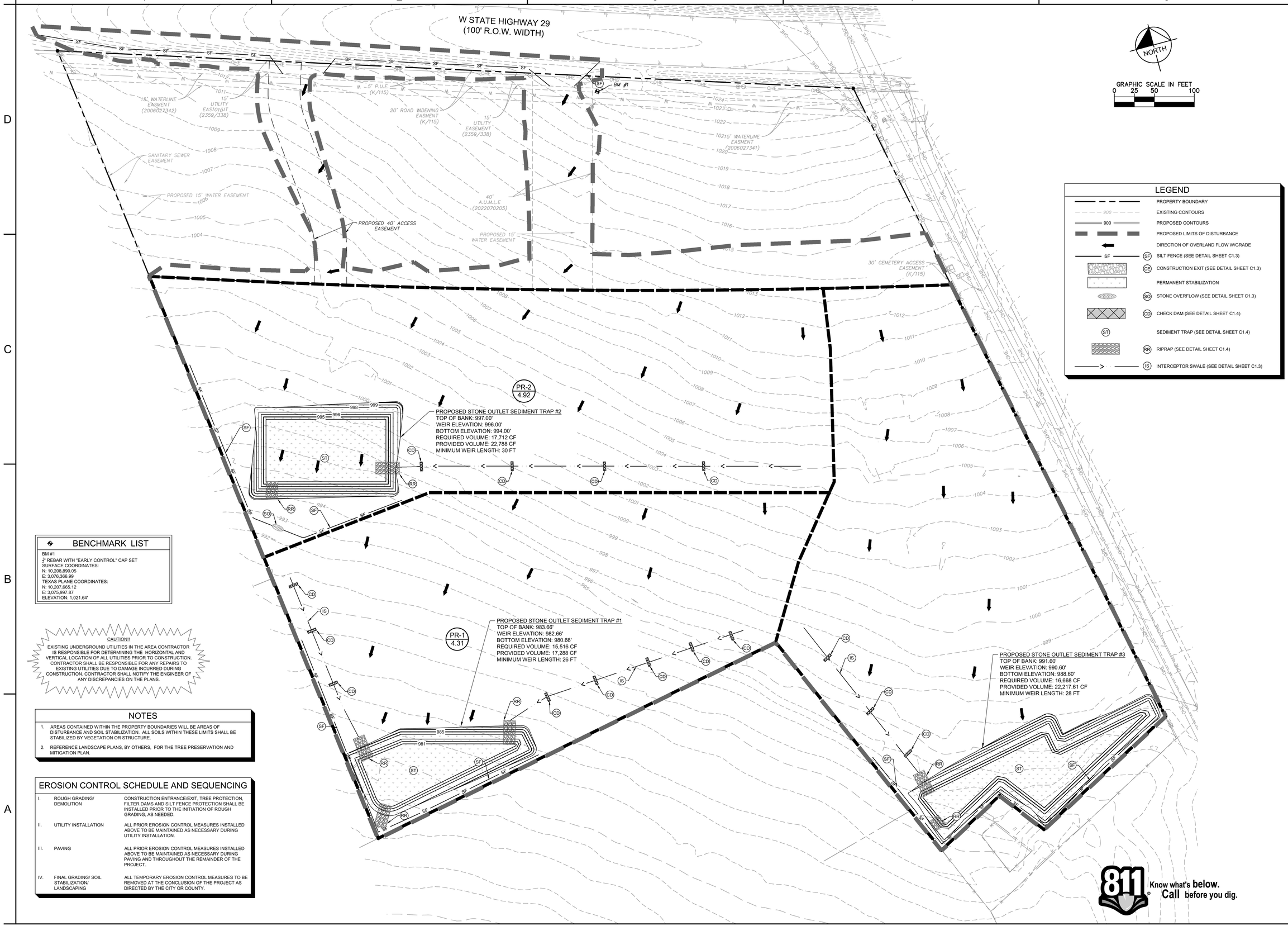
AVEN RIDGE SITE PLAN

EROSION & SEDIMENTATION CONTROL PLAN (2 OF 2)

STATE OF TEXAS
CHRISTOPHER R. RAWLS
124994
LICENSED PROFESSIONAL ENGINEER
10/11/2019

SHEET 9 OF 44

C:\Users\celetten\OneDrive\BGE\Duke\5877-02 Aven Ridge Site Plan\03_CADD\01_Shts\5877-02-C-SP-EROS.dwg Layout: EROSION & SEDIMENTATION CONTROL PLAN (2 of 2) Plotted: 10/9/2019 5:34:30 PM



LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED LIMITS OF DISTURBANCE
- DIRECTION OF OVERLAND FLOW W/GRADE
- SILT FENCE (SEE DETAIL SHEET C1.3)
- CONSTRUCTION EXIT (SEE DETAIL SHEET C1.3)
- PERMANENT STABILIZATION
- STONE OVERFLOW (SEE DETAIL SHEET C1.3)
- CHECK DAM (SEE DETAIL SHEET C1.4)
- SEDIMENT TRAP (SEE DETAIL SHEET C1.4)
- RIPRAP (SEE DETAIL SHEET C1.4)
- INTERCEPTOR SWALE (SEE DETAIL SHEET C1.3)

BENCHMARK LIST

BM #1
½" REBAR WITH "EARLY CONTROL" CAP SET
SURFACE COORDINATES:
N: 10,208,890.05
E: 3,076,366.99
TEXAS PLANE COORDINATES:
N: 10,207,665.12
E: 3,075,997.87
ELEVATION: 1,021.64'

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

NOTES

1. AREAS CONTAINED WITHIN THE PROPERTY BOUNDARIES WILL BE AREAS OF DISTURBANCE AND SOIL STABILIZATION. ALL SOILS WITHIN THESE LIMITS SHALL BE STABILIZED BY VEGETATION OR STRUCTURE.
2. REFERENCE LANDSCAPE PLANS, BY OTHERS, FOR THE TREE PRESERVATION AND MITIGATION PLAN.

EROSION CONTROL SCHEDULE AND SEQUENCING

I.	ROUGH GRADING/ DEMOLITION	CONSTRUCTION ENTRANCE/EXIT, TREE PROTECTION, FILTER DAMS AND SILT FENCE PROTECTION SHALL BE INSTALLED PRIOR TO THE INITIATION OF ROUGH GRADING, AS NEEDED.
II.	UTILITY INSTALLATION	ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING UTILITY INSTALLATION.
III.	PAVING	ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING PAVING AND THROUGHOUT THE REMAINDER OF THE PROJECT.
IV.	FINAL GRADING/ SOIL STABILIZATION/ LANDSCAPING	ALL TEMPORARY EROSION CONTROL MEASURES TO BE REMOVED AT THE CONCLUSION OF THE PROJECT AS DIRECTED BY THE CITY OR COUNTY.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
10101 REUNION PLACE, SUITE 400, SAN ANTONIO, TX 78216
PHONE: 210-541-9166
WWW.KIMLEY-HORN.COM TBPE FIRM NO. 928

STATE OF TEXAS
MATTHEW G. MATNEY
136733
LICENSED PROFESSIONAL ENGINEER
6/14/23

KHA PROJECT 064468910
DATE 06/14/2023
SCALE AS SHOWN
DESIGNED BY CMA
DRAWN BY CMA
CHECKED BY MGM

EROSION CONTROL PLAN (PHASE I)

AVILLA VISTA RANCH
PREPARED FOR
NEXMETRO
CITY OF LIBERTY HILL TEXAS

SHEET NUMBER
C-102

Plotted By:Cornez, Athena June 16, 2023 09:22:22am K:\SNA_Civil\064468910-AVILLA LIBERTY HILL NEXMETRO\Cad\PlanSheets\C-ERP1-064468910.dwg
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LEGEND

	PROPERTY BOUNDARY
900	EXISTING CONTOUR
900	PROPOSED CONTOUR
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED RETAINING WALL (TRIANGLE INDICATES FACE OF WALL)
	DIRECTION OF OVERLAND FLOW W/GRADE
SF	SILT FENCE (SEE DETAIL SHEET C-104)
TP	TREE PROTECTION (SEE DETAIL SHEET xxx)
FD	FILTER DIKE (SEE DETAIL SHEET C-104)
CE	CONSTRUCTION EXIT (SEE DETAIL SHEET C-105)
	PERMANENT STABILIZATION
SO	STONE OVERFLOW (SEE DETAIL SHEET C-104)
RD	ROCK FILTER DAM (SEE DETAIL SHEET C-104)
RB	ROCK BERM (SEE DETAIL SHEET C-105)
IP	INLET PROTECTION
	TREE TO REMAIN

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

BENCHMARK LIST

BM #1
½" REBAR WITH "EARLY CONTROL" CAP SET
SURFACE COORDINATES:
N: 10,208,890.05
E: 3,076,366.99
TEXAS PLANE COORDINATES:
N: 10,207,665.12
E: 3,075,997.87
ELEVATION: 1,021.64'

CAUTION!!
EXISTING UNDERGROUND UTILITIES IN THE AREA CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING UTILITIES DUE TO DAMAGE INCURRED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES ON THE PLANS.

NOTES

1. AREAS CONTAINED WITHIN THE PROPERTY BOUNDARIES WILL BE AREAS OF DISTURBANCE AND SOIL STABILIZATION. ALL SOILS WITHIN THESE LIMITS SHALL BE STABILIZED BY VEGETATION OR STRUCTURE.
2. REFERENCE LANDSCAPE PLANS, BY OTHERS, FOR THE TREE PRESERVATION AND MITIGATION PLAN.

EROSION CONTROL SCHEDULE AND SEQUENCING

I.	ROUGH GRADING/ DEMOLITION	CONSTRUCTION ENTRANCE/EXIT, TREE PROTECTION, FILTER DAMS AND SILT FENCE PROTECTION SHALL BE INSTALLED PRIOR TO THE INITIATION OF ROUGH GRADING, AS NEEDED.
II.	UTILITY INSTALLATION	ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING UTILITY INSTALLATION.
III.	PAVING	ALL PRIOR EROSION CONTROL MEASURES INSTALLED ABOVE TO BE MAINTAINED AS NECESSARY DURING PAVING AND THROUGHOUT THE REMAINDER OF THE PROJECT.
IV.	FINAL GRADING/ SOIL STABILIZATION/ LANDSCAPING	ALL TEMPORARY EROSION CONTROL MEASURES TO BE REMOVED AT THE CONCLUSION OF THE PROJECT AS DIRECTED BY THE CITY OR COUNTY.

SITE DATA

TOTAL LOT AREA	20.012 ACRES
TOTAL AREA DISTURBED *	17.43 ACRES
PAVED AREA	3.56 ACRES
ROOFED AREA	4.41 ACRES
NEW LANDSCAPED AREA	--

* DOES NOT INCLUDE ANY OFF-SITE DISPOSAL OR BORROW AREAS - CONTRACTOR TO UPDATE AS NECESSARY DURING CONSTRUCTION.

* NO SINGLE DRAINAGE AREA EXCEEDS 10 ACRES, THEREFORE SEDIMENTATION BASIN IS NOT REQUIRED.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.
10101 REUNION PLACE, SUITE 400, SAN ANTONIO, TX 78216
PHONE: 210-541-9166
WWW.KIMLEY-HORN.COM TBPE-FIRM NO. 928

STATE OF TEXAS
MATTHEW G. MATNEY
136733
LICENSED PROFESSIONAL ENGINEER
6/14/23

KHA PROJECT 064468910
DATE 06/14/2023
SCALE AS SHOWN
DESIGNED BY CMA
DRAWN BY CMA
CHECKED BY MGM

EROSION CONTROL PLAN (PHASE II)

AVILLA VISTA RANCH
PREPARED FOR
NEXMETRO
CITY OF LIBERTY HILL TEXAS

SHEET NUMBER
C-103

Plotted By:Gomez, Athena June 16, 2023 09:23:54am K:\SNA_Civil\064468910-AVILLA LIBERTY HILL, TX\METRO\Civil\PlanSheets\C-ESP2_064468910.dwg
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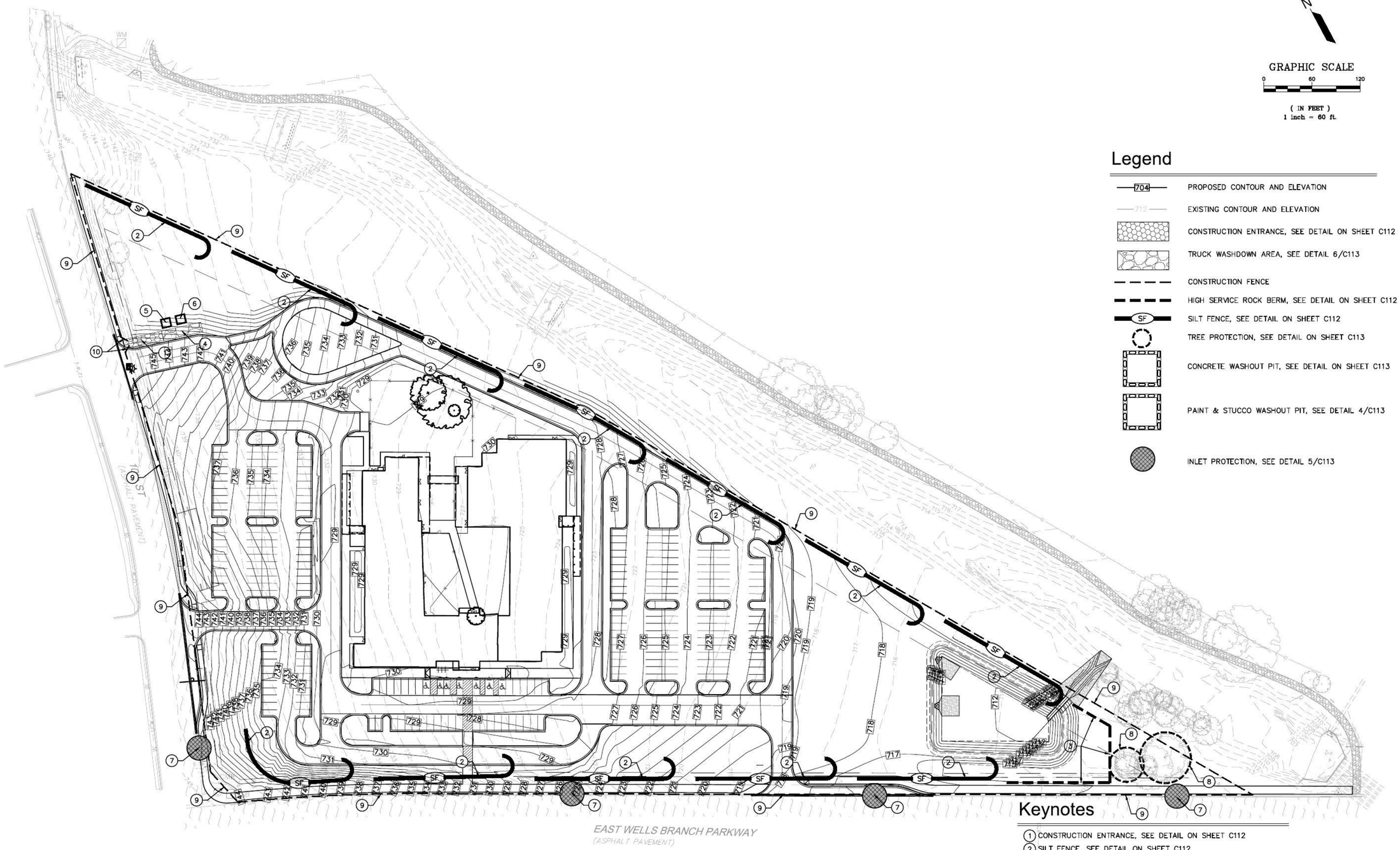

N

GRAPHIC SCALE

0 60 120

(IN FEET)
1 inch = 60 ft.

Legend

- 704 — PROPOSED CONTOUR AND ELEVATION
- 712 — EXISTING CONTOUR AND ELEVATION
- CONSTRUCTION ENTRANCE, SEE DETAIL ON SHEET C112
- TRUCK WASHDOWN AREA, SEE DETAIL 6/C113
- CONSTRUCTION FENCE
- HIGH SERVICE ROCK BERM, SEE DETAIL ON SHEET C112
- SF — SILT FENCE, SEE DETAIL ON SHEET C112
- TREE PROTECTION, SEE DETAIL ON SHEET C113
- CONCRETE WASHOUT PIT, SEE DETAIL ON SHEET C113
- PAINT & STUCCO WASHOUT PIT, SEE DETAIL 4/C113
- INLET PROTECTION, SEE DETAIL 5/C113

Keynotes

1. CONSTRUCTION ENTRANCE, SEE DETAIL ON SHEET C112
2. SILT FENCE, SEE DETAIL ON SHEET C112
3. HIGH SERVICE ROCK BERM, SEE DETAIL ON SHEET C113
4. TRUCK WASHDOWN AREA, SEE DETAIL 6/C113
5. CONCRETE WASHOUT PIT, SEE DETAIL ON 6/C113
6. PAINT & STUCCO WASHOUT PIT, SEE DETAIL 5/C112
7. INLET PROTECTION, SEE DETAIL ON SHEET C112
8. TREE PROTECTION, SEE DETAIL ON SHEET C112
9. CONSTRUCTION FENCE
10. DOUBLE SWING GATE ENTRANCE

shaping the built environment

JQ ENGINEERING, LLP
300 NE LOOP 410, SUITE 950
210.858.5803
SAN ANTONIO, TEXAS 78216
JQENG.COM
PROJECT NO: 3200319
TBPE FIRM F-1204

GRACE HEBERT CURTIS ARCHITECTS, APAC

SEAL:

STATE OF TEXAS
ERLATH W. ZUEHL III
89535
LICENSED
PROFESSIONAL ENGINEER
6/1/21

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BASIS PFLUGERVILLE

BASIS.ed
E. WELLS BRANCH PKWY & S 10th ST
PFLUGERVILLE, TX

No.	Description	Date

DATE: 06.01.21
PHASE: CD
ISSUED FOR: FOR BID / PERMIT
PROJECT NO: 3220125

EROSION & SEDIMENT CONTROL PLAN

sheet number

C110

1/12/2021 3:18:12 PM