NON-CONSOLIDATED SITE PLAN

BARR LANE TRACT

10506 BARR LANE, AUSTIN, TX 78754

SUBMITTED: JUNE 12, 2020

LEGAL DESCRIPTION:

TRAVIS COUNTY APPRAISAL DISTRICT:

ABS 513 SUR 55 MUNOS L ACR 105.10 (1-D-1W)

LEO STENGEL BOND, RPLS #5793 SURVEY (01/29/2020):

BEING 119.325 ACRES OF LAND BEING OUT OF AN A PORTION OF THE LUCAS MUNOS SURVEY NO 55 AND THE J.O. RICE SURVEY NO 31, IN TRAVIS COUNTY, TEXAS, AND BEING THE SAME TRACT OF LAND DESCRIBED IN DOCUMENT #2014-117145, OFFICIAL RECORDS, OF TRAVIS, COUNTY, TEXAS

STANDARD SITE PLAN NOTES:

ORDINANCE REQUIREMENTS

1. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE RELEASED SITE PLAN. ANY ADDITIONAL IMPROVEMENTS WILL REQUIRE A SITE PLAN AMENDMENT AND APPROVAL FROM THE DEVELOPMENT SERVICES DEPARTMENT.
2. APPROVAL OF THIS SITE PLAN DOES NOT INCLUDE BUILDING CODE APPROVAL; FIRE CODE APPROVAL; OR BUILDING, DEMOLITION, OR RELOCATION PERMITS APPROVAL. A CITY DEMOLITION OR RELOCATION PERMIT CAN ONLY BE ISSUED ONCE THE HISTORIC REVIEW PROCESS IS COMPLETED.
3. ALL SIGNS MUST COMPLY WITH THE REQUIREMENTS OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.
4. THE OWNER IS RESPONSIBLE FOR ALL COSTS OF RELOCATION OF, OR DAMAGE TO, UTILITIES.
5. ADDITIONAL ELECTRIC EASEMENTS MAY BE REQUIRED AT A LATER DATE.
6. A SITE DEVELOPMENT PERMIT MUST BE ISSUED PRIOR TO AN APPLICATION FOR BUILDING PERMIT FOR NON-CONSOLIDATED OR LAND USE COMMISSION APPROVED SITE PLANS.
7. WATER SERVICE WILL BE PROVIDED BY THE CITY OF AUSTIN. WASTEWATER WILL BE TREATED BY AN ON-SITE SEWAGE FACILITY (OSSF).
8. NO CERTIFICATE OF OCCUPANCY MAY BE ISSUED FOR THE PROPOSED RESIDENTIAL CONDOMINIUM PROJECT UNTIL THE OWNER OR OWNERS OF THE PROPERTY HAVE COMPLIED WITH CHAPTER 81 AND 82 OF THE PROPERTY CODE OF THE STATE OF TEXAS OR ANY OTHER STATUTES ENACTED BY THE STATE CONCERNING CONDOMINIUMS.
9. FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY, A R.O.W. EXCAVATION PERMIT IS REQUIRED.

FIRE DEPARTMENT

1. THE AUSTIN FIRE DEPARTMENT REQUIRES ASPHALT OR CONCRETE PAVEMENT PRIOR TO CONSTRUCTION AS AN "ALL-WEATHER DRIVING SURFACE."
2. HYDRANTS MUST BE INSTALLED WITH THE CENTER OF THE FOUR-INCH OPENING AT LEAST 18 INCHES ABOVE FINISHED GRADE. THE FOUR-INCH OPENING MUST FACE THE DRIVEWAY OR STREET WITH THREE- TO SIX-FOOT SETBACKS FROM THE CURBLINE(S). NO OBSTRUCTION IS ALLOWED WITHIN THREE FEET OF ANY HYDRANT AND THE FOUR-INCH OPENING MUST BE TOTALLY UNOBSTRUCTED FROM THE STREET.
3. TIMING OF INSTALLATION: WHEN FIRE PROTECTION FACILITIES ARE INSTALLED BY THE DEVELOPER, SUCH FACILITIES SHALL INCLUDE ALL SURFACE ACCESS ROADS WHICH SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION, WHERE ALTERNATIVE METHODS OF PROTECTION, AS APPROVED BY THE FIRE CHIEF, ARE PROVIDED, THE ABOVE MAY BE MODIFIED OR WAIVED.
4. ALL PERVIOUS/DECORATIVE PAVING SHALL BE ENGINEERED AND INSTALLED FOR 80,000 LB. LIVE-VEHICLE LOADS. ANY PERVIOUS/DECORATIVE PAVING WITHIN 100 FEET OF ANY BUILDING MUST BE APPROVED BY THE FIRE DEPARTMENT.
5. COMMERCIAL DUMPSTERS AND CONTAINERS WITH AN INDIVIDUAL CAPACITY OF 1.5 CUBIC YARDS OR GREATER SHALL NOT BE STORED OR PLACED WITHIN TEN FEET OF OPENINGS, COMBUSTIBLE WALLS, OR COMBUSTIBLE EAVE LINES.
6. FIRE LANES DESIGNATED ON SITE PLAN SHALL BE REGISTERED WITH CITY OF AUSTIN FIRE MARSHAL'S OFFICE AND INSPECTED FOR FINAL APPROVAL.
7. VERTICAL CLEARANCE REQUIRED FOR FIRE APPARATUS IS 14 FEET FOR FULL WIDTH OF ACCESS DRIVE.

GENERAL CONSTRUCTION NOTES

1. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
2. CONTRACTOR SHALL CALL TEXAS 811 (811 OR 1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W.
3. CONTRACTOR SHALL NOTIFY THE CITY OF AUSTIN - SITE & SUBDIVISION DIVISION TO SUBMIT REQUIRED DOCUMENTATION, PAY CONSTRUCTION INSPECTION FEES, AND TO SCHEDULE THE REQUIRED SITE AND SUBDIVISION PRE-CONSTRUCTION MEETING. THIS MEETING MUST BE HELD PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN THE R.O.W. OR PUBLIC EASEMENTS. PLEASE VISIT HTTP://AUSTINTEXAS.GOV/PAGE/COMMERCIAL-SITE-AND-SUBDIVISION-INSPECTIONS FOR A LIST OF SUBMITTAL REQUIREMENTS, INFORMATION CONCERNING FEES, AND CONTACT INFORMATION.
4. FOR SLOPES OR TRENCHES GREATER THAN FIVE FEET IN DEPTH, A NOTE MUST BE ADDED STATING: "ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION." (OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENT PRINTING OFFICE; INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 611 EAST 6TH STREET, AUSTIN TEXAS.)
5. ALL SITE WORK MUST ALSO COMPLY WITH ENVIRONMENTAL REQUIREMENTS.
6. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS AND PRIOR TO THE FOLLOWING, THE ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DRAINAGE, FILTRATION AND DETENTION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS:
   - RELEASE OF THE CERTIFICATE OF OCCUPANCY BY THE DEVELOPMENT SERVICES DEPARTMENT (INSIDE THE CITY LIMITS); OR
   - INSTALLATION OF AN ELECTRIC OR WATER METER (IN THE FIVE-MILE ETJ)

DEVELOPER INFORMATION

OWNER:
BUFFALO BILL FARMS, LLC — ADDRESS: 8127 INDUSTRIAL DRIVE, GRAND BLANC, MICHIGAN 48439 — PHONE #: 810-241-2955

OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS:
WESTWARD ENVIRONMENTAL, INC. — ADDRESS: P.O. BOX 2205 BOERNE, TX 78006 — PHONE #: (830)249-8284

PERSON OR FIRM RESPONSIBLE EROSION/SEDIMENTATION CONTROL MAINTENANCE:
CAPITAL CITY CRUSHING, LLC — ADDRESS: 5415 McKINNEY FALLS PKWY AUSTIN, TEXAS 78744 — PHONE #: 810-241-2955

AMERICANS WITH DISABILITIES ACT

THE CITY OF AUSTIN HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USES.

GENERAL NOTES:

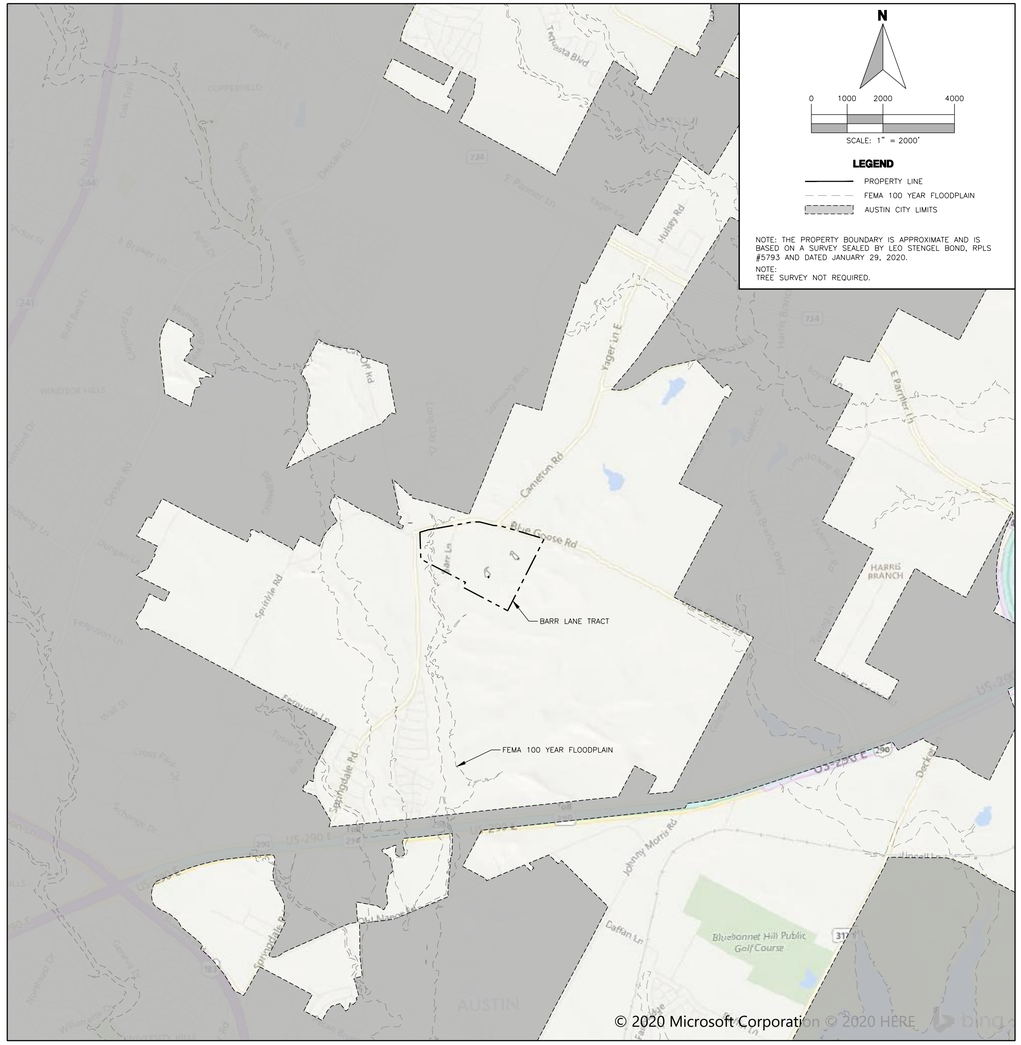
1. THIS SITE IS LOCATED WITHIN THE WALNUT CREEK-COLORADO RIVER WATERSHED AND IS CLASSIFIED AS SUBURBAN.
2. THE SITE IS SUBJECT TO CITY OF AUSTIN WATERSHED PROTECTION REGULATIONS.
3. THE 100-YEAR FLOODPLAIN, AS DESIGNATED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, IS MAPPED ON THE WESTERN PROTION OF THE PROPERY. FEMA FIRM PANEL 48453C0460K EFFECTIVE 1/6/2016.
4. THIS SITE IS NOT LOCATED OVER THE EDWARDS AQUIFER RECHARGE ZONE.
5. THERE ARE NO RELATED CASE NUMBERS ASSOCIATED WITH THIS TRACT.
6. AT THE TIME OF THIS SUBMITTAL, NO WAIVER OR VARIANCES HAVE BEEN GRANTED.
7. AN OPERATING PERMIT FOR WATER QUALITY CONTROLS (IS NOT) REQUIRED FOR THIS PROJECT.

PROPERTY OWNER

BUFFALO BILL FARMS, LLC
8127 INDUSTRIAL DRIVE, GRAND BLANC, MICHIGAN 48439
(FROM DEED OF TRUST RECORDED JANUARY 28, 2020)

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

SHEET INDEX



POINTS OF CONTACT

POINT OF CONTACT	FIRM	PHONE NUMBER
CURT G. CAMPBELL, P.E., CFM, LEED AP ND	WESTWARD ENVIRONMENTAL, INC.	830-249-8284
WILLIAM (TRE) LEONI, III	WPM CONSTRUCTION SERVICES, INC.	810-241-2955

REVISION TABLE

NUMBER	DESCRIPTION	REVISE (R) ADD (A) VOID (V) SHEET NO'S	TOTAL # SHEETS IN PLAN SET	NET CHANGE IMP. COVER (SQ. FT.)	TOTAL SITE IMP. COVER (SQ. FT.) / %	CITY OF AUSTIN APPROVAL - DATE	DATE IMAGE

ALL REVISIONS AND CORRECTIONS SHOULD BE REVIEWED AND APPROVED BY THE CITY OF AUSTIN AND TRAVIS COUNTY

1. EACH DRIVEWAY MUST BE CONSTRUCTED IN ACCORDANCE WITH TRAVIS COUNTY CODE SECTION 482.302(G), AND EACH DRAINAGE STRUCTURE OR SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF AUSTIN DRAINAGE CRITERIA MANUAL, UNLESS OTHER DESIGN CRITERIA ARE APPROVED BY TRAVIS COUNTY.
2. BEFORE BEGINNING ANY CONSTRUCTION, THE OWNER MUST OBTAIN A TRAVIS COUNTY DEVELOPMENT PERMIT AND POST THE DEVELOPMENT PERMIT, THE TCEQ SITE NOTICE, AND ANY OTHER REQUIRED PERMITS AT THE JOB SITE.
3. CONSTRUCTION MAY NOT TAKE PLACE WITHIN TRAVIS COUNTY RIGHT-OF-WAY UNTIL AFTER THE OWNER HAS SUBMITTED A TRAFFIC CONTROL PLAN TO TRAVIS COUNTY AND OBTAINED WRITTEN APPROVAL OF THE TRAFFIC CONTROL PLAN FROM TRAVIS COUNTY.
4. THE CONTRACTOR AND PRIMARY OPERATOR SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION AND THE SWP3 IN THESE APPROVED PLANS. THE CONTRACTOR AND PRIMARY OPERATOR SHALL REQUEST TRAVIS COUNTY INSPECTION AT SPECIFIC MILESTONES IN THE SEQUENCE OF THE CONSTRUCTION OF THE SITE DEVELOPMENT CORRESPONDING TO THE PRIORITY INSPECTIONS SPECIFIED IN CONSTRUCTION SEQUENCING NOTES IN THESE APPROVED PLANS. DEVELOPMENT OUTSIDE THE LIMITS OF CONSTRUCTION SPECIFIED IN THE APPROVED PERMIT AND CONSTRUCTION PLANS IS PROHIBITED.
5. BEFORE BEGINNING ANY CONSTRUCTION, ALL STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENTS SHALL BE MET, AND THE FIRST PHASE OF THE TEMPORARY EROSION CONTROL (ESC) PLAN INSTALLED WITH A SWP3 INSPECTION REPORT UPLOADED TO MYPERMITNOW.ORG. ALL SWP3 AND ESC PLAN MEASURES AND PRIMARY OPERATOR SWP3 INSPECTIONS MUST BE PERFORMED BY THE PRIMARY OPERATOR IN ACCORDANCE WITH THE APPROVED PLANS AND SWP3 AND ESC PLAN NOTES THROUGHOUT THE CONSTRUCTION PROCESS.
6. BEFORE STARTING CONSTRUCTION, THE OWNER OR CONTRACTOR OR THEIR DESIGNATED REPRESENTATIVES SHALL SUBMIT A REQUEST VIA THE MYPERMITNOW.ORG CUSTOMER PORTAL FOR TRAVIS COUNTY TO REQUEST AND SCHEDULE A MANDATORY PRECONSTRUCTION CONFERENCE AND ESC INSPECTION. IF FURTHER ASSISTANCE IS NEEDED, THE TNR PLANNING AND ENGINEERING DIVISION STAFF OR THE STORM WATER MANAGEMENT PROGRAM STAFF CAN BE CONTACTED BY TELEPHONE AT 512-854-9383.
7. THE CONTRACTOR SHALL KEEP TRAVIS COUNTY TNR ASSIGNED INSPECTION STAFF CURRENT ON THE STATUS OF SITE DEVELOPMENT AND UTILITY CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY TRAVIS COUNTY AND REQUEST PRIORITY INSPECTIONS THROUGH THE MYPERMITNOW.ORG CUSTOMER PORTAL FOR TRAVIS COUNTY IN ACCORDANCE WITH THE SPECIFIC MILESTONES IN THE CONSTRUCTION SEQUENCING NOTES IN THESE APPROVED PLANS.
8. CONTOUR DATA SOURCE: TEXAS NATURAL RESOURCE INFORMATION SYSTEM - LIDAR IN CENTRAL TEXAS STRATMAP 17-50CM.
9. FILL MATERIAL MUST BE MANAGED AND DISPOSED OF IN ACCORDANCE WITH ALL REQUIREMENTS SPECIFIED IN THE APPROVED PLANS, SWP3, AND THE TRAVIS COUNTY CODE. THE CONTRACTOR SHALL STOCKPILE FILL AND CONSTRUCTION MATERIALS ONLY IN THE AREAS DESIGNATED ON THE APPROVED PLANS AND NOT WITHIN THE 0.2 PERCENT ANNUAL CHANCE FLOODPLAIN OR THE 1 PERCENT ANNUAL CHANCE FLOODPLAIN, WATERWAY SETBACK, CRITICAL ENVIRONMENTAL FEATURE SETBACK, OR OUTSIDE THE LIMITS OF CONSTRUCTION. DISPOSAL OF SOLID WASTE MATERIALS, AS DEFINED BY STATE LAW (E.G., LITTER, TIRES, INCOMPOSABLE WASTES, ETC.) IS PROHIBITED IN PERMANENT FILL SITES.
10. BEFORE DISPOSING ANY EXCESS FILL MATERIAL OFF-SITE, THE CONTRACTOR OR PRIMARY OPERATOR MUST PROVIDE THE COUNTY INSPECTOR DOCUMENTATION THAT DEMONSTRATES THAT ALL REQUIRED PERMITS FOR THE PROPOSED DISPOSAL SITE LOCATION, INCLUDING TRAVIS COUNTY, TCEQ NOTICE, AND OTHER APPLICABLE DEVELOPMENT PERMITS, HAVE BEEN OBTAINED. THE OWNER OR PRIMARY OPERATOR MUST REVISE THE SWP3 AND ESC PLAN IF HANDLING OR PLACEMENT OF EXCESS FILL ON THE CONSTRUCTION SITE IS REVISED FROM THE EXISTING SWP3. IF THE FILL DISPOSAL LOCATION IS OUTSIDE TRAVIS COUNTY OR DOES NOT REQUIRE A DEVELOPMENT PERMIT, THE CONTRACTOR OR PRIMARY OPERATOR MUST PROVIDE THE COUNTY INSPECTOR THE SITE ADDRESS, CONTACT INFORMATION FOR THE PROPERTY OWNER OF THE FILL
11. THE DESIGN ENGINEER IS RESPONSIBLE FOR THE ADEQUACY OF THE CONSTRUCTION PLANS. IN REVIEWING THE CONSTRUCTION PLANS, TRAVIS COUNTY WILL RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
12. IN THE EVENT OF ANY CONFLICTS BETWEEN THE CONTENT IN THE SWP3 SITE NOTEBOOK AND THE CONTENT IN THE CONSTRUCTION PLANS APPROVED BY TRAVIS COUNTY, THE CONSTRUCTION PLANS SHALL TAKE PRECEDENCE.
13. A MINIMUM OF TWO SURVEY BENCHMARKS SHALL BE SET, INCLUDING DESCRIPTION, LOCATION, AND ELEVATION; THE BENCHMARKS SHOULD BE TIED TO A TRAVIS COUNTY CONTROL BENCHMARK WHEN POSSIBLE.
14. ANY EXISTING PAVEMENT, CURBS, SIDEWALKS, OR DRAINAGE STRUCTURES WITHIN COUNTY RIGHT-OF-WAY WHICH ARE DAMAGED, REMOVED, OR SILTED, WILL BE REPAIRED BY THE CONTRACTOR AT OWNER OR CONTRACTOR'S EXPENSE BEFORE APPROVAL AND ACCEPTANCE OF THE CONSTRUCTION BY TRAVIS COUNTY.
15. CALL THE TEXAS EXCAVATION SAFETY SYSTEM AT 8-1-1 AT LEAST 2 BUSINESS DAYS BEFORE BEGINNING EXCAVATION ACTIVITIES.
16. ALL STORM SEWER PIPES SHALL BE CLASS III RCP, UNLESS OTHERWISE NOTED.
17. CONTRACTOR IS REQUIRED TO OBTAIN A UTILITY INSTALLATION PERMIT IN ACCORDANCE WITH TRAVIS COUNTY CODE SECTION 482.901(A)(3) BEFORE ANY CONSTRUCTION OF UTILITIES WITHIN ANY TRAVIS COUNTY RIGHT-OF-WAY.
18. THIS PROJECT IS LOCATED ON FLOOD INSURANCE RATE MAP 48453 C0460K.
19. TEMPORARY STABILIZATION MUST BE PERFORMED IN ALL DISTURBED AREAS THAT HAVE CEASED CONSTRUCTION ACTIVITIES FOR 14 DAYS OR LONGER, IN ACCORDANCE WITH THE STANDARDS DESCRIBED IN THE SWP3 AND ESC PLAN SHEET NOTES.
20. PERMANENT SITE STABILIZATION/RE-VEGETATION MUST BE PERFORMED IMMEDIATELY IN ALL SITE AREAS WHICH ARE AT FINAL PLAN GRADE AND IN ALL SITE AREAS SPECIFIED IN THE APPROVED PLANS FOR PHASED RE-VEGETATION, IN ACCORDANCE WITH THE STANDARDS DESCRIBED IN THE SWP3 AND ESC PLAN SHEET NOTES.
21. ALL TREES WITHIN THE RIGHT-OF-WAY AND DRAINAGE EASEMENTS SHALL BE SAVED OR REMOVED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS. TRAVIS COUNTY TREE PRESERVATION STANDARDS IN TRAVIS COUNTY CODE SECTION 482.973, INCLUDING INSTALLATION AND MAINTENANCE OF ALL SPECIFIED TREE PROTECTION MEASURES, MUST BE FOLLOWED DURING CONSTRUCTION.
22. AN ENGINEER'S CONCURRENCE LETTER IN ACCORDANCE WITH TRAVIS COUNTY CODE SECTION 482.953 MUST BE SUBMITTED VIA THE MYPERMITNOW.ORG CUSTOMER PORTAL FOR TRAVIS COUNTY WHEN CONSTRUCTION IS SUBSTANTIALLY COMPLETE. THE ENGINEER'S CONCURRENCE LETTER MUST BE SUBMITTED BEFORE THE CONTRACTOR OR PRIMARY OPERATOR REQUESTS A FINAL INSPECTION BY TRAVIS COUNTY.
23. SITE IMPROVEMENTS MUST BE CONSTRUCTED IN CONFORMANCE WITH THE DESIGN'S CONSTRUCTION PLANS APPROVED BY TRAVIS COUNTY. NON-CONFORMANCE WITH THE APPROVED PLANS WILL DELAY FINAL INSPECTION APPROVAL BY THE COUNTY UNTIL PLAN CONFORMANCE IS ACHIEVED OR ANY REQUIRED PLAN REVISIONS ARE APPROVED.
24. FINAL SITE STABILIZATION. ALL AREAS DISTURBED BY THE CONSTRUCTION MUST BE PERMANENTLY REVEGETATED AND ALL TEMPORARY SEDIMENT CONTROLS AND ACCUMULATED SEDIMENTATION MUST BE REMOVED BEFORE THE COUNTY WILL ISSUE A CERTIFICATE OF COMPLIANCE FOR FINAL SITE STABILIZATION AS PART OF FINAL INSPECTION AND PROJECT COMPLETION. A DEVELOPERS CONTRACT, AS DESCRIBED IN THE SWP3 AND ESC NOTES SHEET MAY BE EXECUTED WITH TRAVIS COUNTY FOR CONDITIONAL ACCEPTANCE OF A PROJECT FOR WHICH HAS ESC FISCAL SECURITY POSTED AND FOR WHICH ALL ITEMS ARE COMPLETE

EXHIBIT 482.301G SEQUENCE OF CONSTRUCTION AND PRIORITY INSPECTIONS - SITE DEVELOPMENT

1. ESC INSTALLATION. INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROLS (ESC) AND TREE PROTECTION MEASURES IN ACCORDANCE WITH THE APPROVED ESC PLAN SHEETS AND THE SWP3.
   a. HAVE A QUALIFIED INSPECTOR (AS SPECIFIED IN SECTION 482.934(C)(3) OF THE TRAVIS COUNTY CODE) INSPECT THE TEMPORARY EROSION AND SEDIMENT CONTROLS AND PREPARE A CERTIFIED SWP3 INSPECTION REPORT REGARDING WHETHER THE TEMPORARY EROSION AND SEDIMENT CONTROLS WERE INSTALLED IN CONFORMANCE WITH THE APPROVED PLANS;
   b. UPLOAD THE QUALIFIED INSPECTOR'S CERTIFIED SWP3 INSPECTION REPORT TO THE MYPERMITNOW.ORG CUSTOMER PORTAL FOR TRAVIS COUNTY; AND C. REQUEST A MANDATORY PRE-CONSTRUCTION MEETING WITH TRAVIS COUNTY THROUGH THE MYPERMITNOW.ORG CUSTOMER PORTAL FOR TRAVIS COUNTY GIVING AT LEAST 3 BUSINESS DAYS NOTIFICATION.
2. PRE-CONSTRUCTION MEETING AND ESC INSPECTION. HOLD A MANDATORY PRECONSTRUCTION MEETING THAT ADDRESSES THE ITEMS IN EXHIBIT 482.950 AND THE ESC PRE-CONSTRUCTION INSPECTION BY THE COUNTY AND OBTAIN COUNTY'S APPROVAL TO START CONSTRUCTION. (PRIORITY INSPECTION)
3. INSPECT FOR COMPLIANCE WITH SWP3 AND ESC PLAN. MAINTAIN AND INSPECT THE SWP3 CONTROLS AND PREPARE AND UPLOAD A WEEKLY CERTIFIED SWP3 INSPECTION REPORT THAT INCLUDES THE CONTENTS LISTED IN EXHIBIT 482.951 TO THE MYPERMITNOW.ORG CUSTOMER PORTAL FOR TRAVIS COUNTY.
4. CONSTRUCT SEDIMENT BASIN(S). CONSTRUCT ANY STORM WATER POND(S) FIRST, WHENEVER APPLICABLE, TO BE FUNCTIONAL AS CONSTRUCTION SEDIMENT BASIN(S) BEFORE GRADING AND EXCAVATING THE ENTIRE SITE, AS FOLLOWS:
   a. CLEAR, GRUB, AND EXCAVATE ONLY THE SITE AREAS AND CUT AND FILL QUANTITIES NECESSARY TO CONSTRUCT THE POND(S) IN ACCORDANCE WITH THESE APPROVED PLANS AND THE MINIMUM STANDARDS DESCRIBED IN THE SWP3 AND ESC PLAN SHEET NOTES FOR THE TEMPORARY SEDIMENT BASIN EMBANKMENTS, WALLS, INFLOWS, OUTFALLS, DRAINAGE CONVEYANCE MEASURES, SEDIMENT CONTROLS, AND STABILIZATION.
   b. REQUEST COUNTY INSPECTION AND OBTAIN COUNTY'S WRITTEN APPROVAL OF THE TEMPORARY SEDIMENT BASIN(S) BEFORE PROCEEDING FURTHER IN THE SEQUENCE OF CONSTRUCTION. (PRIORITY INSPECTION)
5. CONSTRUCT SITE IMPROVEMENTS. BEGIN THE PRIMARY SITE CLEARING, EXCAVATION, AND CONSTRUCTION ACTIVITIES AND CONTINUE THE SWP3 AND ESC PLAN IMPLEMENTATION AND MAINTENANCE PER THE APPROVED PLANS.
6. CONSTRUCT DRIVEWAY APPROACH AND RIGHT-OF-WAY IMPROVEMENTS. INSTALL DRIVEWAY APPROACH AND DRAINAGE AND ROAD IMPROVEMENTS IN THE COUNTY RIGHTOF-WAY PER APPROVED PLANS, WHEN APPLICABLE. REQUEST A COUNTY PRE-POUR INSPECTION OF THE DRIVEWAY THROUGH THE MYPERMITNOW.ORG CUSTOMER PORTAL FOR TRAVIS COUNTY GIVING AT LEAST 3 BUSINESS DAYS NOTIFICATION. (PRIORITY INSPECTION).
7. PERFORM TEMPORARY STABILIZATION IN ALL DISTURBED AREAS THAT HAVE CEASED CONSTRUCTION ACTIVITIES FOR 14 DAYS OR LONGER.
8. PERFORM PERMANENT SITE STABILIZATION/RE-VEGETATION IMMEDIATELY IN ALL SITE AREAS AT FINAL PLAN GRADE AND IN ALL SITE AREAS SPECIFIED FOR PHASED REVEGETATION.
9. COMPLETE PERMANENT WATER QUALITY CONTROLS. BEGIN COMPLETION OF PERMANENT WATER QUALITY CONTROL(S) AND INSTALL THE UNDERDRAIN PER APPROVED PLANS, WHEN APPLICABLE.
   a. REMOVE CONSTRUCTION SEDIMENT, RE-ESTABLISH THE BASIN SUBGRADE, AND INSTALL UNDERDRAIN PIPING.
   b. REQUEST COUNTY INSPECTION AND OBTAIN COUNTY'S WRITTEN APPROVAL OF THE UNDERDRAIN PIPING INSTALLATION AND ASSOCIATED CONSTRUCTION MATERIALS (AGGREGATE, FILTER MEDIA, ETC.) BEFORE COVERING THE UNDERDRAIN AND PROCEEDING WITH CONSTRUCTION OF THE CONTROL. (PRIORITY INSPECTION).
10. COMPLETE CONSTRUCTION SITE IMPROVEMENTS AND FINAL STABILIZATION PER THE APPROVED PLANS.
11. PROVIDE ENGINEER'S CONCURRENCE LETTER THROUGH THE MYPERMITNOW.ORG CUSTOMER PORTAL FOR TRAVIS COUNTY WHEN CONSTRUCTION IS SUBSTANTIALLY COMPLETE AND REQUEST A FINAL INSPECTION BY TRAVIS COUNTY. (PRIORITY INSPECTION)
12. OBTAIN A CERTIFICATE OF COMPLIANCE WHEN ALL FINAL INSPECTION PUNCH LIST ITEMS, INCLUDING FINAL SITE STABILIZATION AND REMOVAL OF TEMPORARY SEDIMENT CONTROLS. IF NECESSARY, PROVIDE A DEVELOPERS CONTRACT TO THE COUNTY TO REQUEST CONDITIONAL ACCEPTANCE FOR USE OR OCCUPANCY OF THE SITE WITH ALL ITEMS COMPLETED EXCEPT RE-VEGETATION GROWTH COVERAGE. REQUEST A RE-INSPECTION WHEN RE-VEGETATION COVERAGE IS COMPLETE. (PRIORITY INSPECTION)

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

No.	Revision Description	Reviewed By:	Date

IMAGE: BING
ISSUE DATE: 06/15/2020
DRAWN BY: JJS
CHECKED BY: CGC
SCALE: 1" = 2,000'
JOB NO.: 11034-008

SHEET NO.: **01** OF 17

WESTWARD
Environmental, Engineering, Natural Resources.
P.O. Box 2205 Boerne, Texas 78006
(830) 249-8284 Fax: (830) 249-0221
TBPE REG. NO.: F-4524
TBPG REG. NO.: 50112

DESCRIPTION | BY | DATE | REV

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED PROFESSIONAL ENGINEER
6/15/2020
Curt G. Campbell, P.E.
License No. 106851

COVER SHEET
SITE PLAN APPLICATION - BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX

TABLE 1 - OFF-SITE CALCULATIONS

	Watershed ID	Area, ac	L, ft	S, ft/ft	ToC, min	CN
Off-Site	ODA-1	523.649	4,265	0.016	41.6	79
	ODA-2	356.428	6,307	0.012	38.7	79
	Sum	880.077				

TABLE 2 - ON-SITE PRE-DEVELOPMENT CONDITION CALCULATIONS

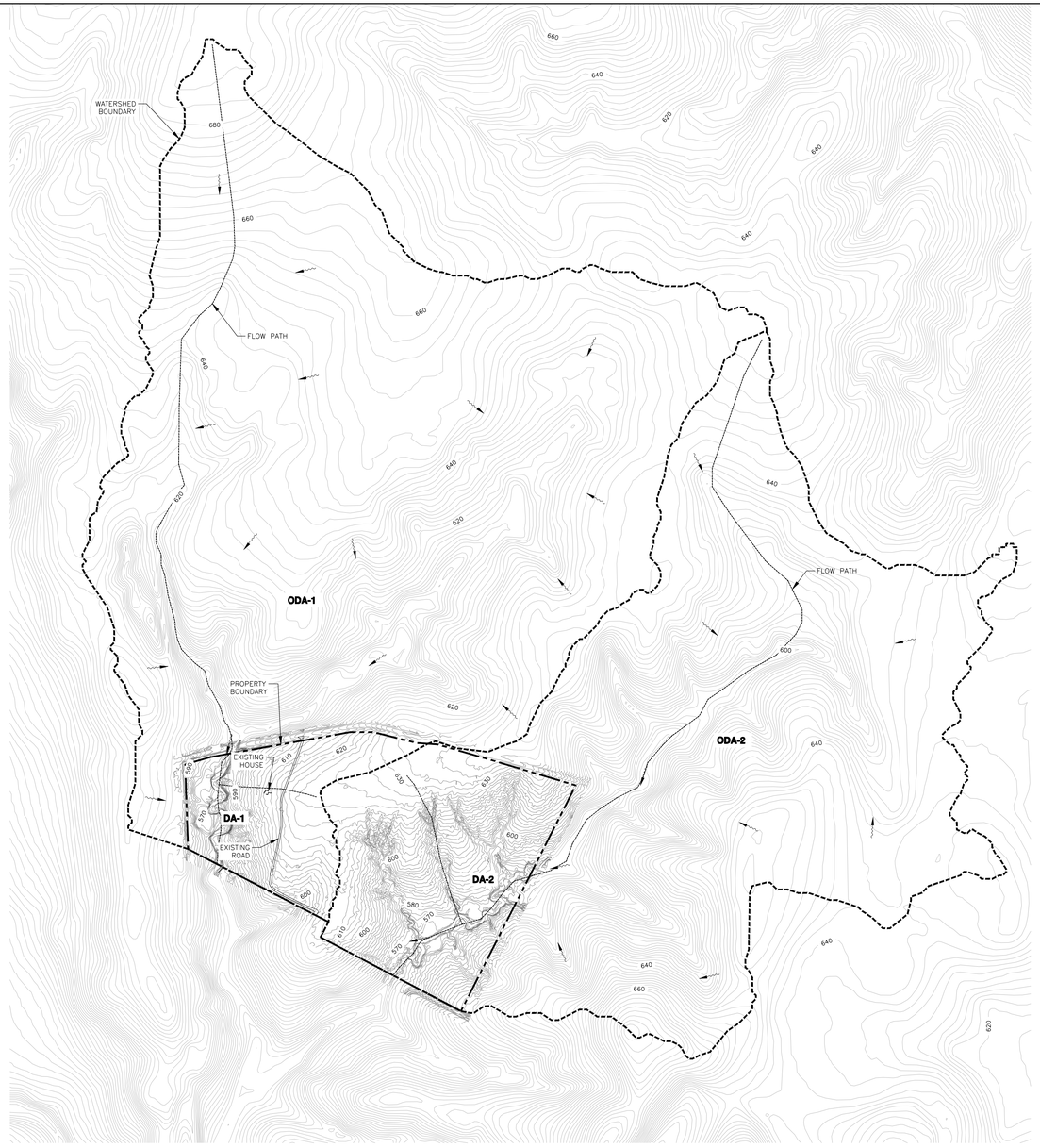
	Watershed ID	Area, ac	L, ft	S, ft/ft	ToC, min	CN
On-Site	DA-1	41.645	1,592	0.042	7.6	79
	DA-2	77.730	2,201	0.033	14.4	79
	Sum	119.375				

TABLE 3 - ON-SITE POST-DEVELOPMENT CONDITION CALCULATIONS

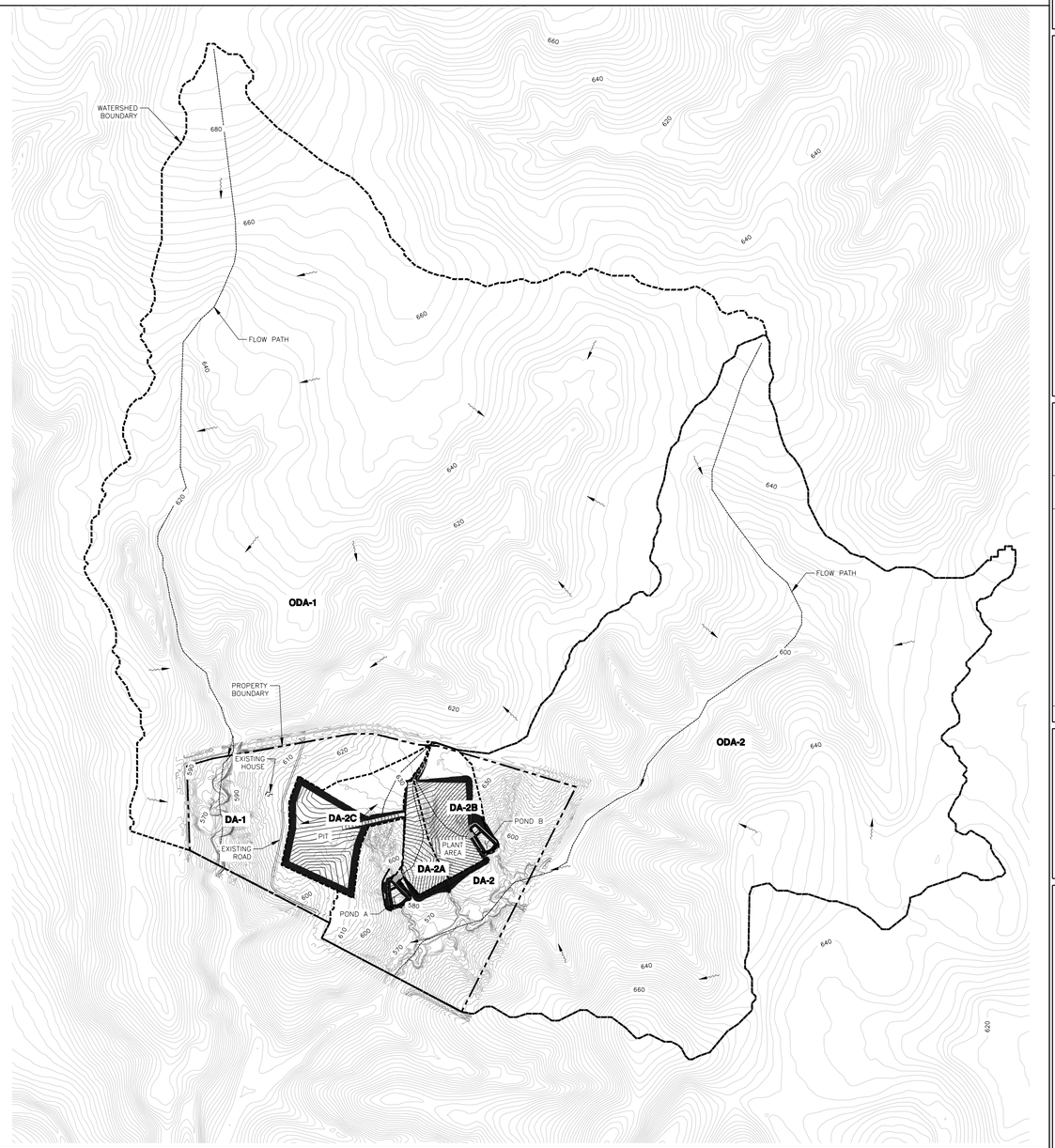
	Watershed ID	Area, ac	L, ft	S, ft/ft	ToC, min	CN
On-Site	DA-1	33.530	1,592	0.083	7.6	79
	DA-2	49.027	2,201	0.033	14.4	79
	DA-A	6.029	927	0.028	5.0	96*
	DA-B	12.264	806	0.036	5.0	91*
	DA-C (pit area)	18.525	783	0.015	11.9	90*

TABLE 4 - TOTAL ON-SITE / OFF-SITE DISCHARGE CALCULATIONS

Total Site	Q2, cfs	Q10, cfs	Q25, cfs	Q100, cfs
Pre-Conditions	928	2334	3186	4613
Post-Conditions	888	2283	3116	4505
Change	-40	-51	-71	-108



EXISTING CONDITIONS
SCALE : 1" = 600'



PROPOSED CONDITIONS
SCALE : 1" = 600'

CONTOUR OFF-SITE:
1. ON-SITE: DRONE SURVEY
2. OFF-SITE: NED 10M

TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

TABLES 4: OFF-SITE DISCHARGE CALCULATIONS (NO CHANGE)

Watershed ID	Q2, cfs	Q10, cfs	Q25, cfs	Q100, cfs
ODA-1	443	1114	1521	2203
ODA-2	313	786	1074	1555
Sum	756	1900	2595	3758

TABLES 5: PRE-CONDITIONS ON-SITE DISCHARGE CALCULATIONS

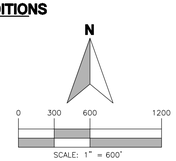
Watershed ID	Q2, cfs	Q10, cfs	Q25, cfs	Q100, cfs
DA-1	68	172	234	338
DA-2	104	262	358	517
Sum	172	434	591	855

TABLES 6: POST-CONDITIONS ON-SITE DISCHARGE CALCULATIONS

Watershed ID	Q2, cfs	Q10, cfs	Q25, cfs	Q100, cfs
DA-1	55	138	188	272
DA-2	66	165	225	326
DA-A	6	27	36	49
DA-B	5	52	71	100
DA-C (pit area)	0	0	0	0
Sum	132	383	521	747

TABLE 7 - TOTAL ON-SITE / OFF-SITE PRE & POST DISCHARGE CALCULATIONS

Total Site	Q2, cfs	Q10, cfs	Q25, cfs	Q100, cfs
Pre-Conditions	928	2334	3186	4613
Post-Conditions	888	2283	3116	4505
Change	-40	-51	-71	-108



LEGEND

- 900 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- WATERSHED BOUNDARY
- DEVELOPED AREA DRAINAGE BOUNDARY
- PROPERTY BOUNDARY
- FLOW ARROW

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

No.	Revision Description	Reviewed By:	Date

IMAGE: N/A
ISSUE DATE: 06/15/2020
DRAWN BY: NM
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SCALE: 1" = 600'
JOB NO.: 11034-008

SHEET NO.: **02** OF 17

WESTWARD
Environmental. Engineering. Natural Resources.
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(830) 249-8284 Fax: (830) 249-0221
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TBPG REG. NO.: 50112

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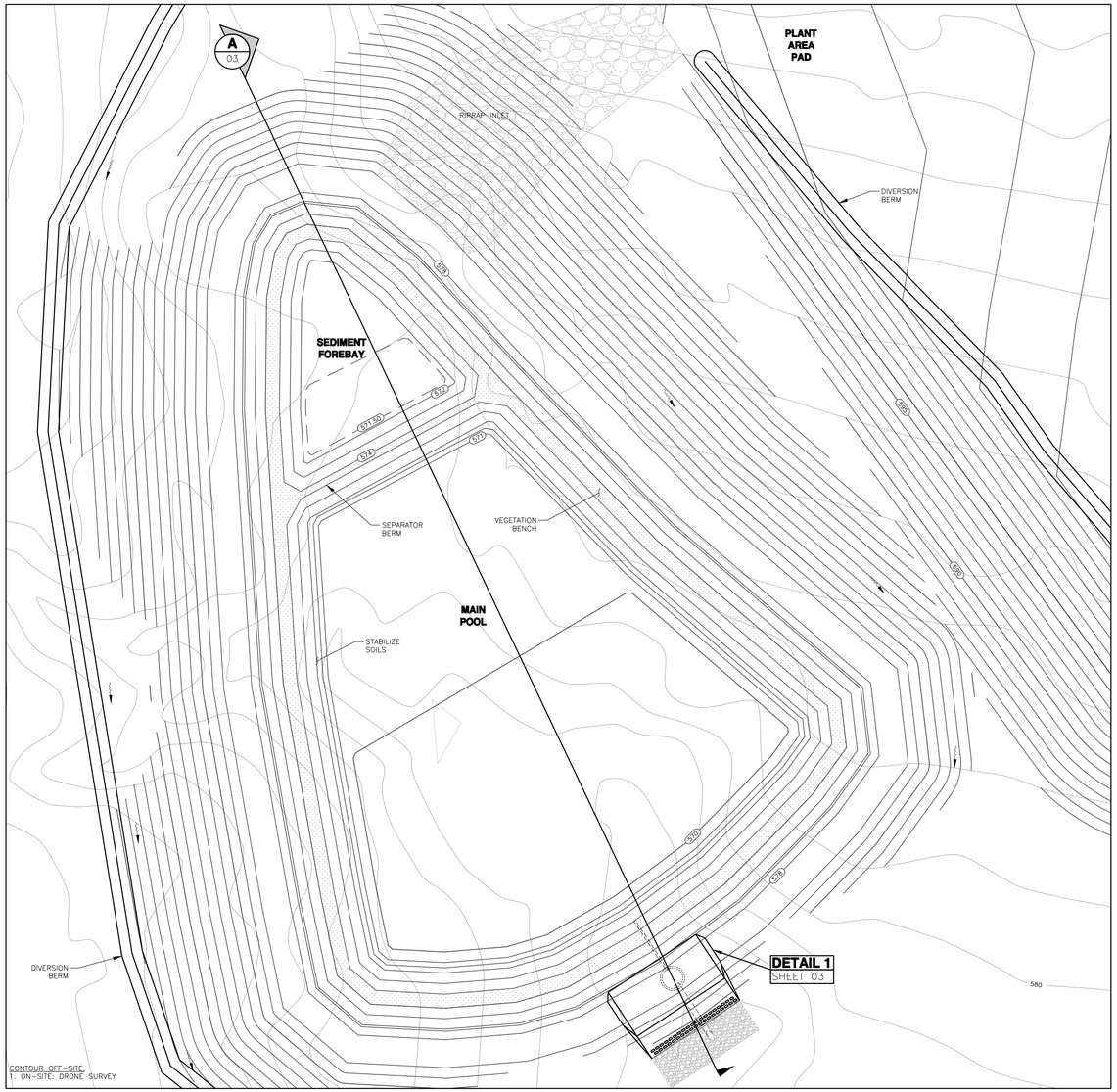
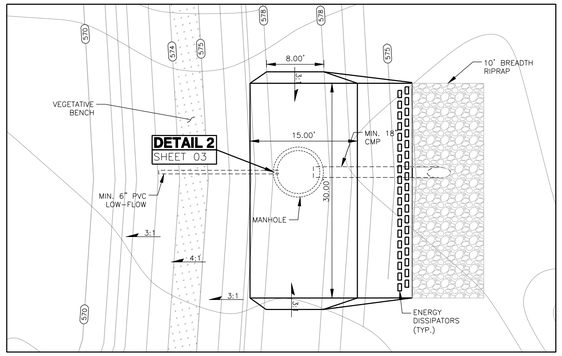
STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER
6/15/2020
*Curt G. Campbell, P.E.
License No. 106851

WATER QUALITY / DRAINAGE PLAN
SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
AUSTIN, TRAVIS COUNTY, TX

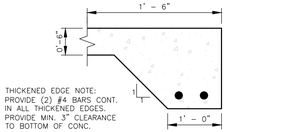


POND A PLAN
SCALE : 1" = 20'

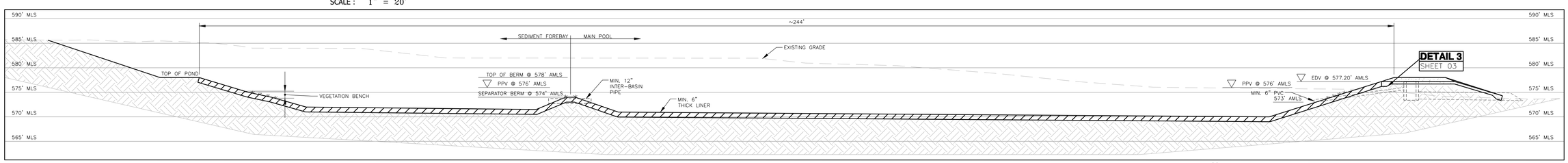


DETAIL 1 SHEET 03 — **POND A SPILLWAY**
SCALE : 1" = 10'

DETAIL 2 SHEET 03 — **STEEL PLATE ORIFICE**
SCALE : 1" = 10'



DETAIL 3 SHEET 03 — **THICKENED EDGE**
SCALE : 3/4" = 1'-0"



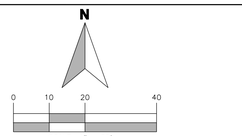
A 03 **POND A SECTION**
SCALE : 1" = 10'

TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

TABLE 1 - POND STAGE STORAGE

Pond A Stage-Storage			
Stage	Stage I Volume (ac-ft)	Stage II Volume (ac-ft)	Total Volume (ac-ft)
570.00	0.000	0.000	0.000
571.00	0.000	0.240	0.240
571.50	0.004	0.396	0.399
572.00	0.012	0.559	0.571
573.00	0.052	0.909	0.961
574.00	0.105	1.293	1.398
575.00	0.172	1.715	1.888
576.00	0.254	2.175	2.429
577.00	0.347	2.667	3.014
578.00	0.453	3.192	3.644



LEGEND
- 900 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- 920 — PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- FLOW ARROW

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

No.	Revision Description	Reviewed By:	Date

IMAGE:	N/A
ISSUE DATE:	06/15/2020
DRAWN BY:	NM
CHECKED BY:	CGC
SCALE: 1" =	600'
JOB NO.:	11034-008

SHEET NO.:
03
OF 17

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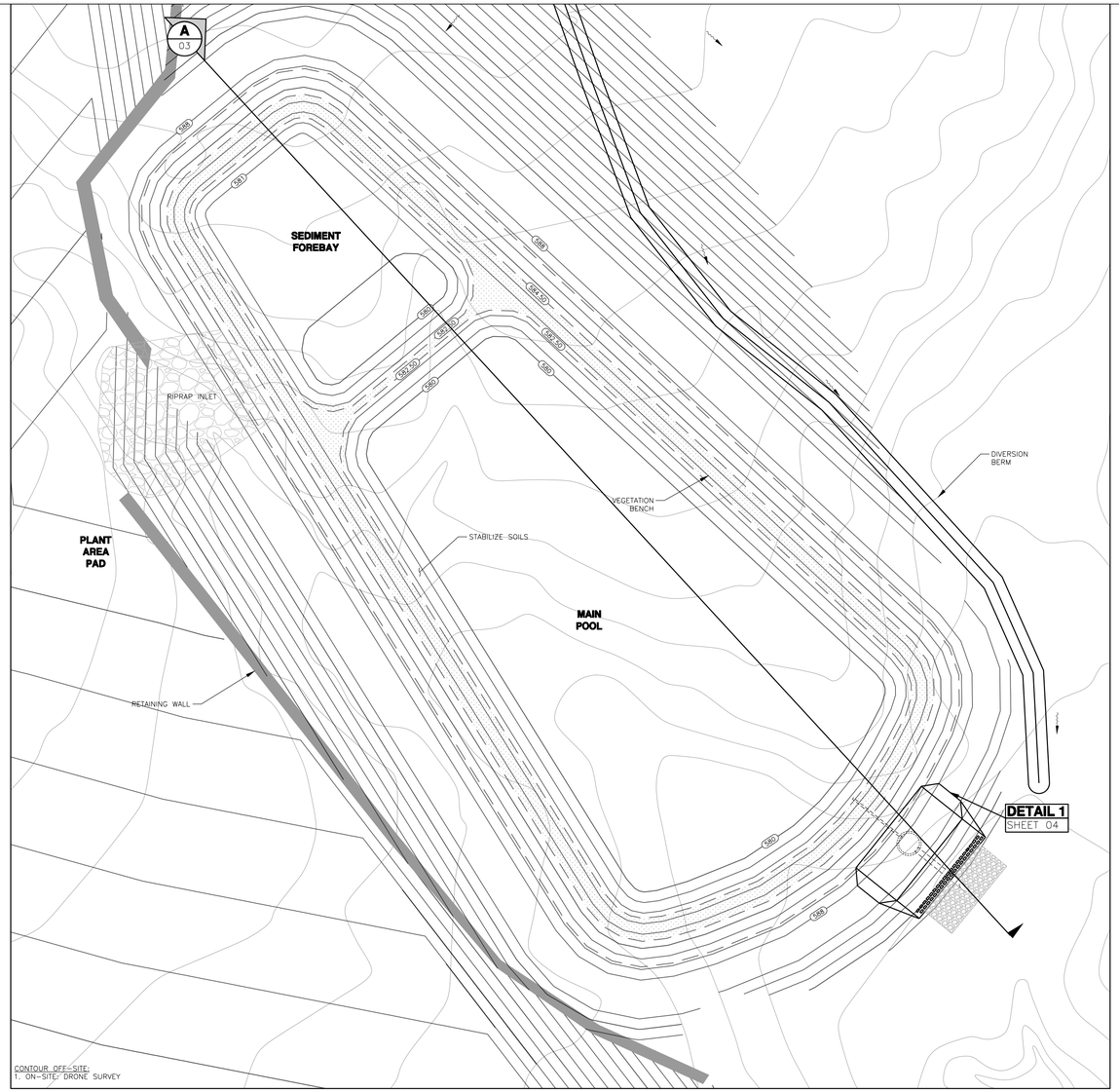
TBPE REG. NO.: F-4524
TBPG REG. NO.: 50112

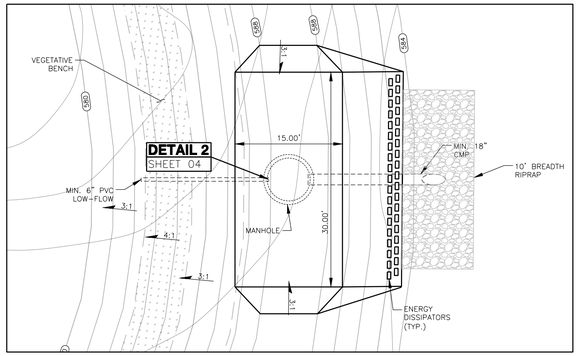
DATE | BY | DESCRIPTION | REV

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER
6/15/2020
Curt G. Campbell, P.E.
License No. 106851

WATER QUALITY / DRAINAGE PLAN
SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
AUSTIN, TRAVIS COUNTY, TX

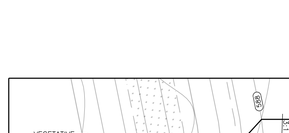


POND B PLAN
SCALE : 1" = 20'



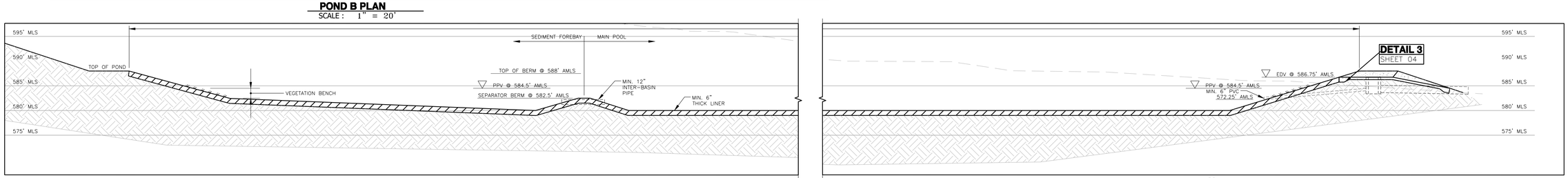
DETAIL 1 SHEET 04 — **POND A SPILLWAY**
SCALE : 1" = 10'

DETAIL 2 SHEET 04 — **STEEL PLATE ORIFICE**
SCALE : 1" = 10'



THICKENED EDGE NOTE:
PROVIDE (2) #4 BARS CONT. IN ALL THICKENED EDGES. PROVIDE MIN. 3" CLEARANCE TO BOTTOM OF CONC.

DETAIL 3 SHEET 04 — **THICKENED EDGE**
SCALE : 3/4" = 1'-0"



POND B SECTION
SCALE : 1" = 10'

TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

TABLE 1 - POND STAGE STORAGE

Pond B Stage-Storage			
Stage	Stage I Volume (ac-ft)	Stage II Volume (ac-ft)	Total Volume (ac-ft)
580.00	0.000	0.000	0.000
581.00	0.044	0.289	0.333
582.00	0.077	0.610	0.687
582.50	0.122	0.783	0.905
583.00	0.171	0.965	1.136
584.00	0.282	1.353	1.635
584.50	0.344	1.560	1.904
585.00	0.410	1.778	2.188
586.00	0.555	2.241	2.796
587.00	0.716	2.736	3.452
588.00	0.894	3.265	4.159

N

0 10 20 40
SCALE: 1" = 20'

LEGEND

- 900 EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- 950 PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- FLOW ARROW

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

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IMAGE:	N/A
ISSUE DATE:	06/15/2020
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04
OF 17

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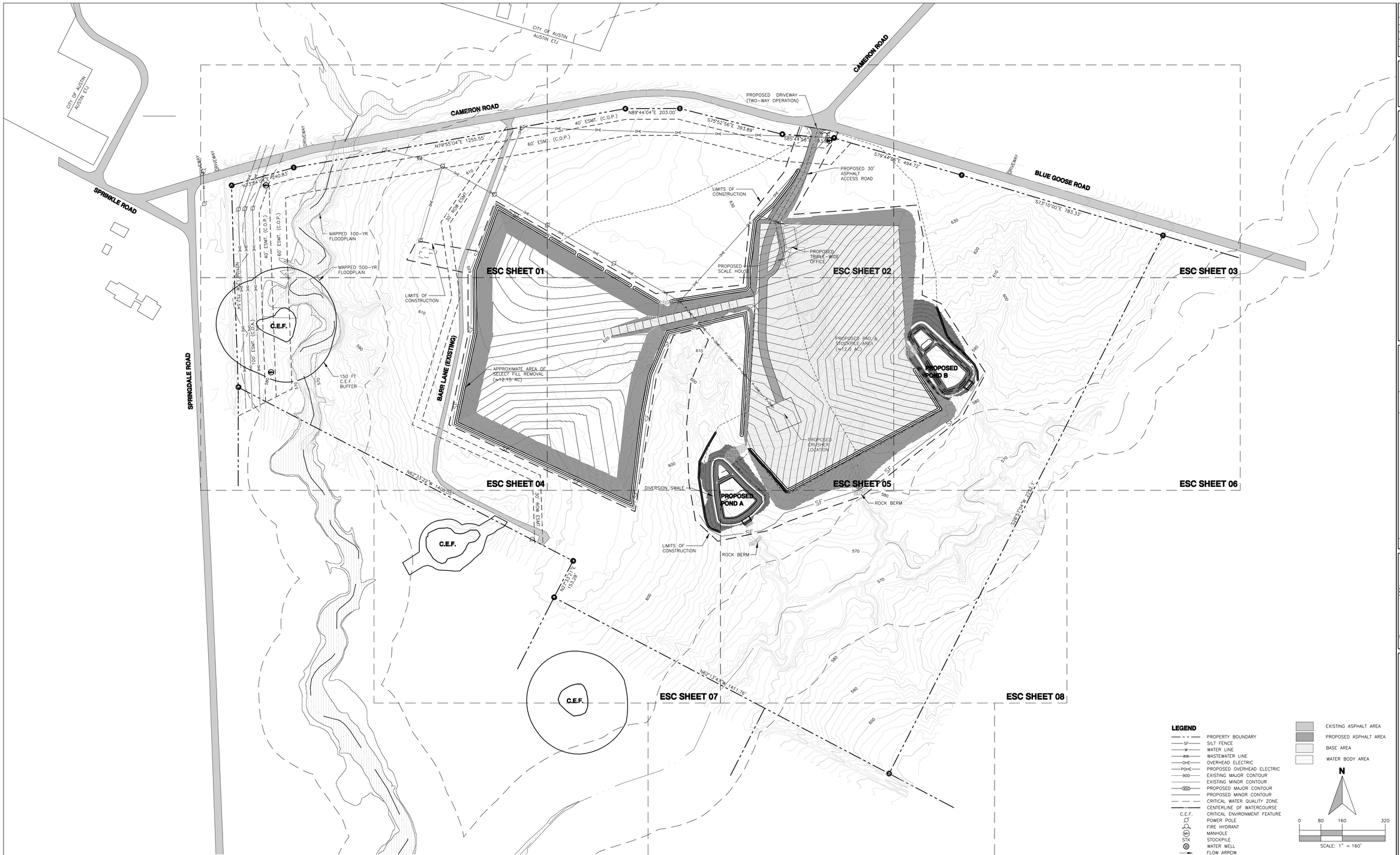
TBPE REG. NO.: F-4524
TBPG REG. NO.: 50112

REV	DESCRIPTION	BY	DATE

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED PROFESSIONAL ENGINEER
6/15/2020
Curt G. Campbell, P.E.
License No. 106851

POND B PLAN AND DETAILS
SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
AUSTIN, TRAVIS COUNTY, TX



TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

LEGEND

- PROPERTY BOUNDARY
- SF — SILT FENCE
- W — WATER LINE
- WW — WASTEWATER LINE
- OHE — OVERHEAD ELECTRIC
- POHE — PROPOSED OVERHEAD ELECTRIC
- 900 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- 950 — PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- CRITICAL WATER QUALITY ZONE
- CENTERLINE OF WATERCOURSE
- C.E.F. — CRITICAL ENVIRONMENT FEATURE
- POWER POLE
- FIRE HYDRANT
- MH — MANHOLE
- STK — STOCKPILE
- W — WATER WELL
- FLOW ARROW
- EXISTING ASPHALT AREA
- PROPOSED ASPHALT AREA
- BASE AREA
- WATER BODY AREA

N

0 80 160 320

SCALE: 1" = 160'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

No.	Revision Description	Reviewed By:	Date

IMAGE:	N/A
ISSUE DATE:	06/15/2020
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SCALE:	1" = 160'
JOB NO.:	11034-008

SHEET NO.: **05** OF 17

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REV.	DESCRIPTION	BY	DATE

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED PROFESSIONAL ENGINEER
6/15/2020

Curtis G. Campbell, P.E.
License No. 106851

EROSION / SEDIMENTATION CONTROL PLAN - GENERAL

SITE PLAN APPLICATION – BARR LANE TRACT

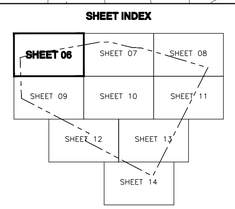
CAPITAL CITY CRUSHING, LLC

10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX

TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

SHEET INDEX



LEGEND

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- PROPOSED MINOR CONTOUR
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- CENTERLINE OF WATERCOURSE
- EARTHEN BERM (TOP & TOE OF SLOPE)
- LIMITS OF CONSTRUCTION
- C.E.F. — CRITICAL ENVIRONMENT FEATURE
- POWER POLE
- FIRE HYDRANT
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- STK — STOCKPILE
- WATER WELL
- FLOW ARROW
- EXISTING ASPHALT AREA
- PROPOSED ASPHALT AREA
- BASE AREA
- WATER BODY AREA

N

0 20 40 80

SCALE: 1" = 40'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

No.	Revision Description	Reviewed By:	Date

IMAGE:	N/A
ISSUE DATE:	06/15/2020
DRAWN BY:	JJS
CHECKED BY:	CGC
SCALE: 1" =	40'
JOB NO.:	11034-008

SHEET NO.:

06

OF 17

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TBPG REG. NO.: 50112

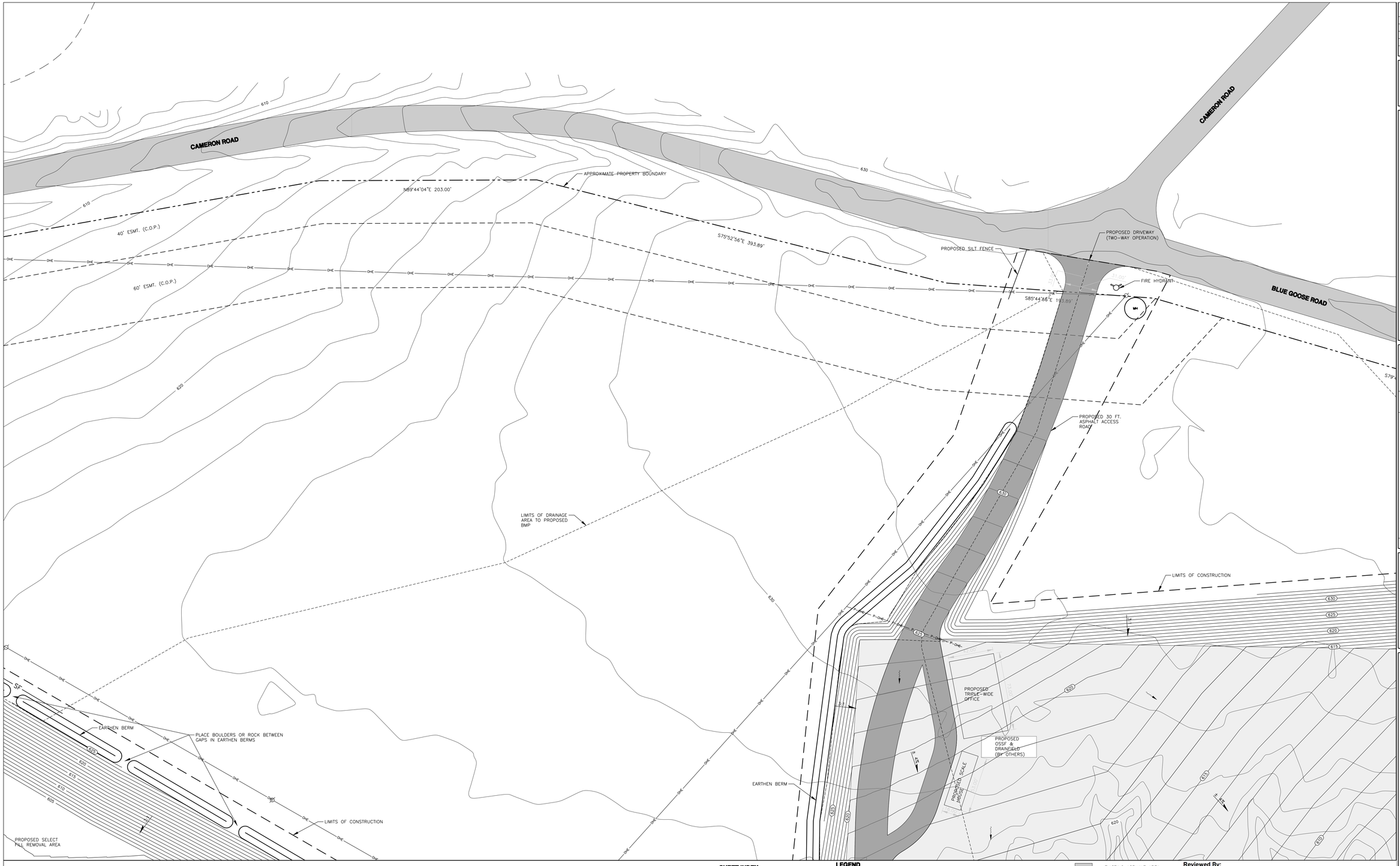
NO.	DESCRIPTION	BY	DATE

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED
PROFESSIONAL ENGINEER
6/15/2020

Curt G. Campbell, P.E.
License No. 106851

EROSION / SEDIMENTATION CONTROL PLAN - 01

SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX



TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

SHEET INDEX

SHEET 06	**SHEET 07**	SHEET 08
SHEET 09	SHEET 10	SHEET 11
SHEET 12	SHEET 13	
SHEET 14		

LEGEND

- PROPERTY BOUNDARY
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- PROPOSED MINOR CONTOUR
- CRITICAL WATER QUALITY ZONE
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- EARTHEN BERM (TOP & TOE OF SLOPE)
- LIMITS OF CONSTRUCTION
- C.E.F. — CRITICAL ENVIRONMENT FEATURE
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- STK — STOCKPILE
- WELL — WATER WELL
- FLOW ARROW
- EXISTING ASPHALT AREA
- PROPOSED ASPHALT AREA
- BASE AREA
- WATER BODY AREA

N

0 20 40 80

SCALE: 1" = 40'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

No.	Revision Description	Reviewed By:	Date

IMAGE:	N/A
ISSUE DATE:	06/13/2020
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SCALE: 1" =	40'
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NO.	DESCRIPTION	BY	DATE

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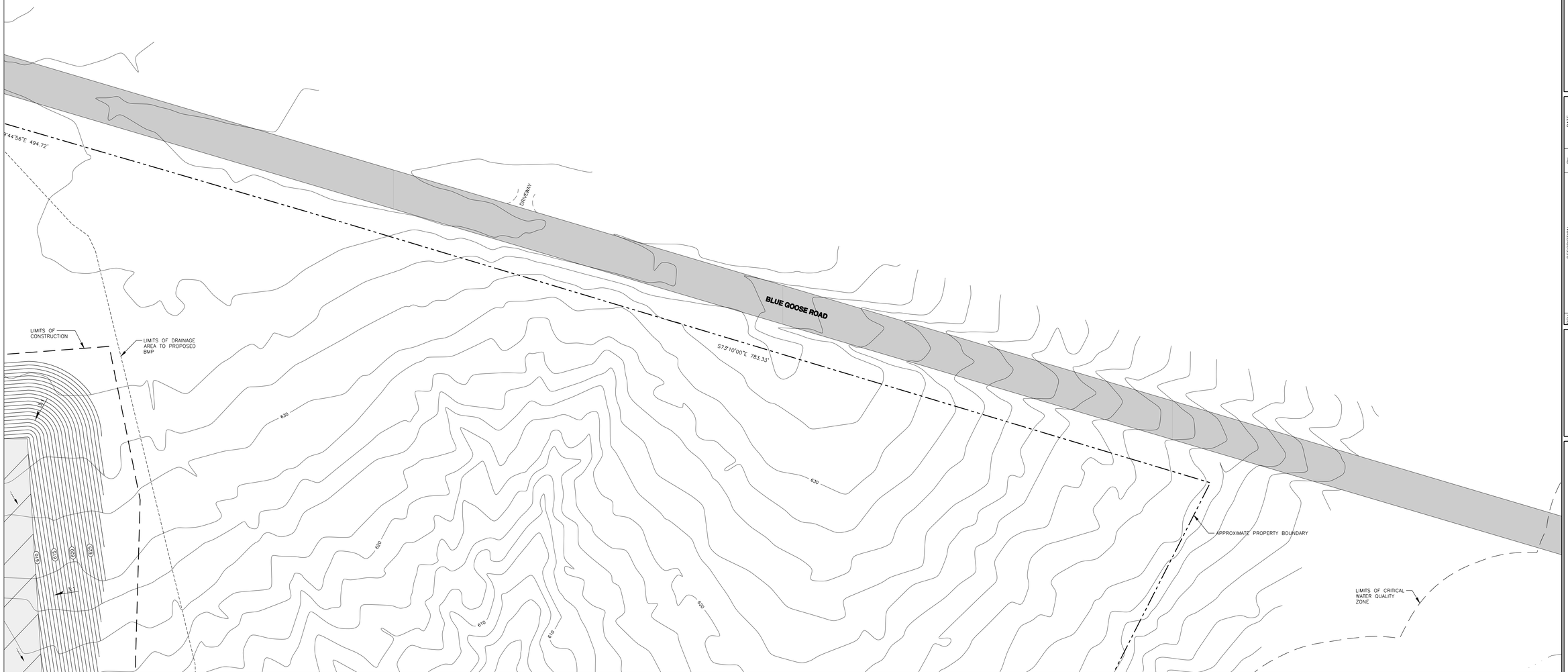
106851
LICENSED
PROFESSIONAL ENGINEER
6/15/2020

Curt G. Campbell, P.E.
License No. 106851

EROSION / SEDIMENTATION CONTROL PLAN - 02

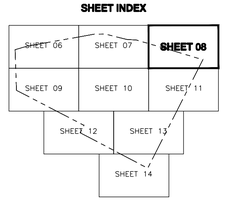
SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX



TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

SHEET INDEX



LEGEND

- PROPERTY BOUNDARY
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- STK — STOCKPILE
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- FLOW ARROW
- EXISTING ASPHALT AREA
- PROPOSED ASPHALT AREA
- BASE AREA
- WATER BODY AREA

N

0 20 40 80

SCALE: 1" = 40'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

No.	Revision Description	Reviewed By:	Date

IMAGE:	N/A
ISSUE DATE:	06/15/2020
DRAWN BY:	JJS
CHECKED BY:	CGC
SCALE: 1" =	40'
JOB NO.:	11034-008

SHEET NO.:

08

OF 17

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REV.	DESCRIPTION	BY	DATE

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED PROFESSIONAL ENGINEER
6/15/2020

Curt G. Campbell, P.E.
License No. 106851

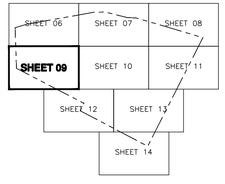
EROSION / SEDIMENTATION CONTROL PLAN - 03

SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX

TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.92	562,621	10.82%

SHEET INDEX



LEGEND

- PROPERTY BOUNDARY
- SF — SILT FENCE
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- WW — WASTEWATER LINE
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- POHE — PROPOSED OVERHEAD ELECTRIC
- 900 — EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- 920 — PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- CRITICAL WATER QUALITY ZONE
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- LIMITS OF CONSTRUCTION
- C.E.F. — CRITICAL ENVIRONMENT FEATURE
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- BASE AREA
- WATER BODY AREA

N

0 20 40 80

SCALE: 1" = 40'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

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IMAGE:	N/A
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6/15/2020

Curt G. Campbell, P.E.
License No. 106851

EROSION / SEDIMENTATION CONTROL PLAN - 04

SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX

TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

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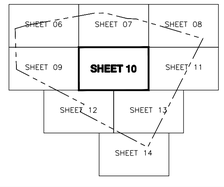
Impervious Cover	12.24	450,584	8.67%

SHEET INDEX



LEGEND

- PROPERTY BOUNDARY
- SF — SILT FENCE
- W — WATER LINE
- WW — WASTEWATER LINE
- OHE — OVERHEAD ELECTRIC
- POHE — PROPOSED OVERHEAD ELECTRIC
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- LIMITS OF CONSTRUCTION
- C.E.F. — CRITICAL ENVIRONMENT FEATURE
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- STK — STOCKPILE
- WELL — WATER WELL
- FLOW ARROW
- EXISTING ASPHALT AREA
- PROPOSED ASPHALT AREA
- BASE AREA
- WATER BODY AREA

N

0 20 40 80

SCALE: 1" = 40'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

No.	Revision Description	Reviewed By:	Date

IMAGE:	N/A
ISSUE DATE:	06/15/2020
DRAWN BY:	JJS
CHECKED BY:	CGC
SCALE: 1" =	40'
JOB NO.:	11034-008

SHEET NO.:

10

OF 17

WESTWARD
Environmental, Engineering, Natural Resources.
P.O. Box 2205 Boerne, Texas 78006
(830) 249-8284 Fax: (830) 249-0221
TBPE REG. NO.: F-4524
TBPG REG. NO.: 50112

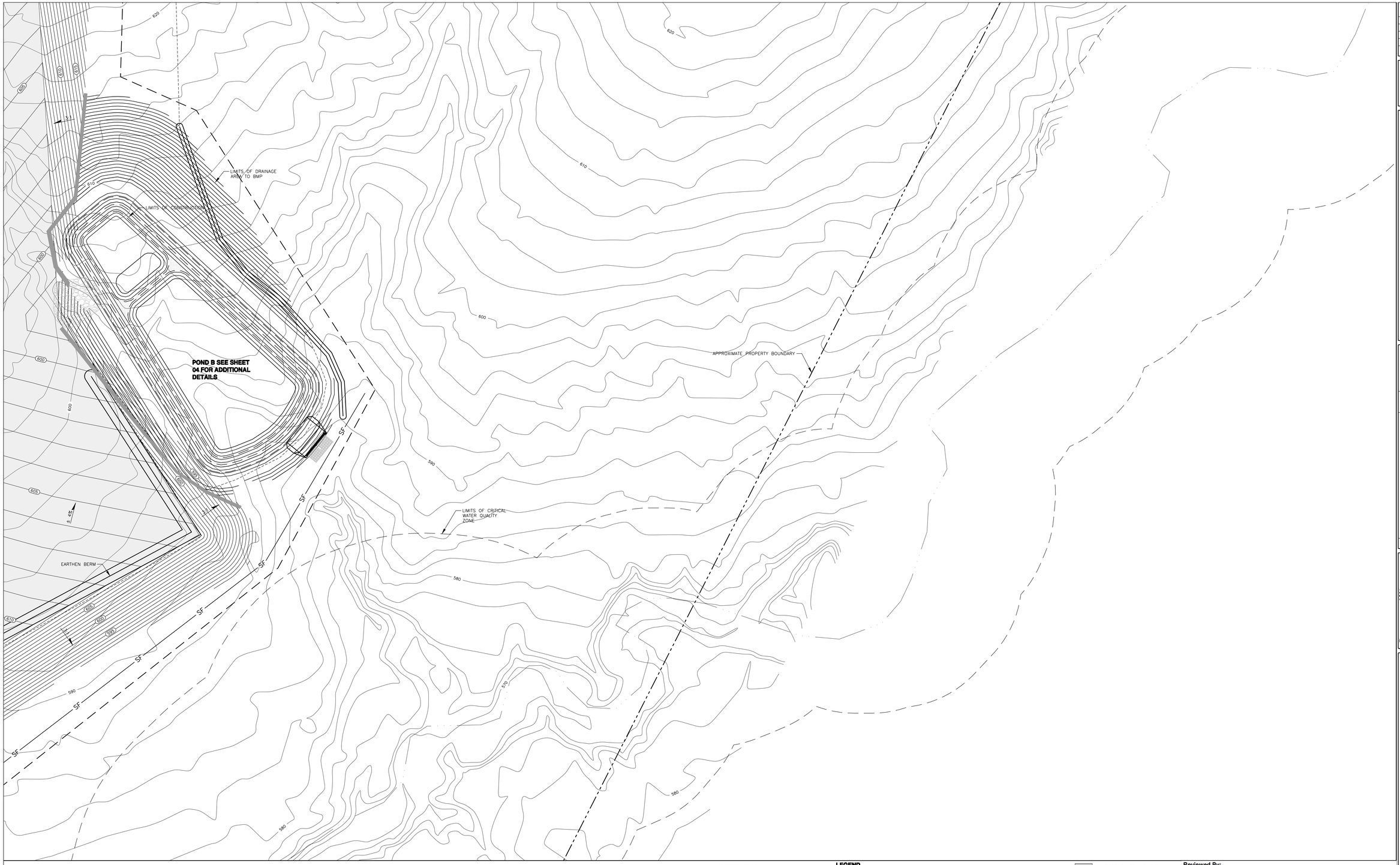
REV	DESCRIPTION	BY	DATE

STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED PROFESSIONAL ENGINEER
6/15/2020

Curt G. Campbell, P.E.
License No. 106851

EROSION / SEDIMENTATION CONTROL PLAN - 05

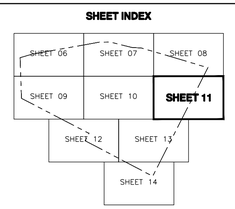
SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX



TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

SHEET INDEX



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N

0 20 40 80

SCALE: 1" = 40'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

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SHEET NO.:

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STATE OF TEXAS
CURT GARRETT CAMPBELL
106851
LICENSED PROFESSIONAL ENGINEER
6/15/2020

Curt G. Campbell, P.E.
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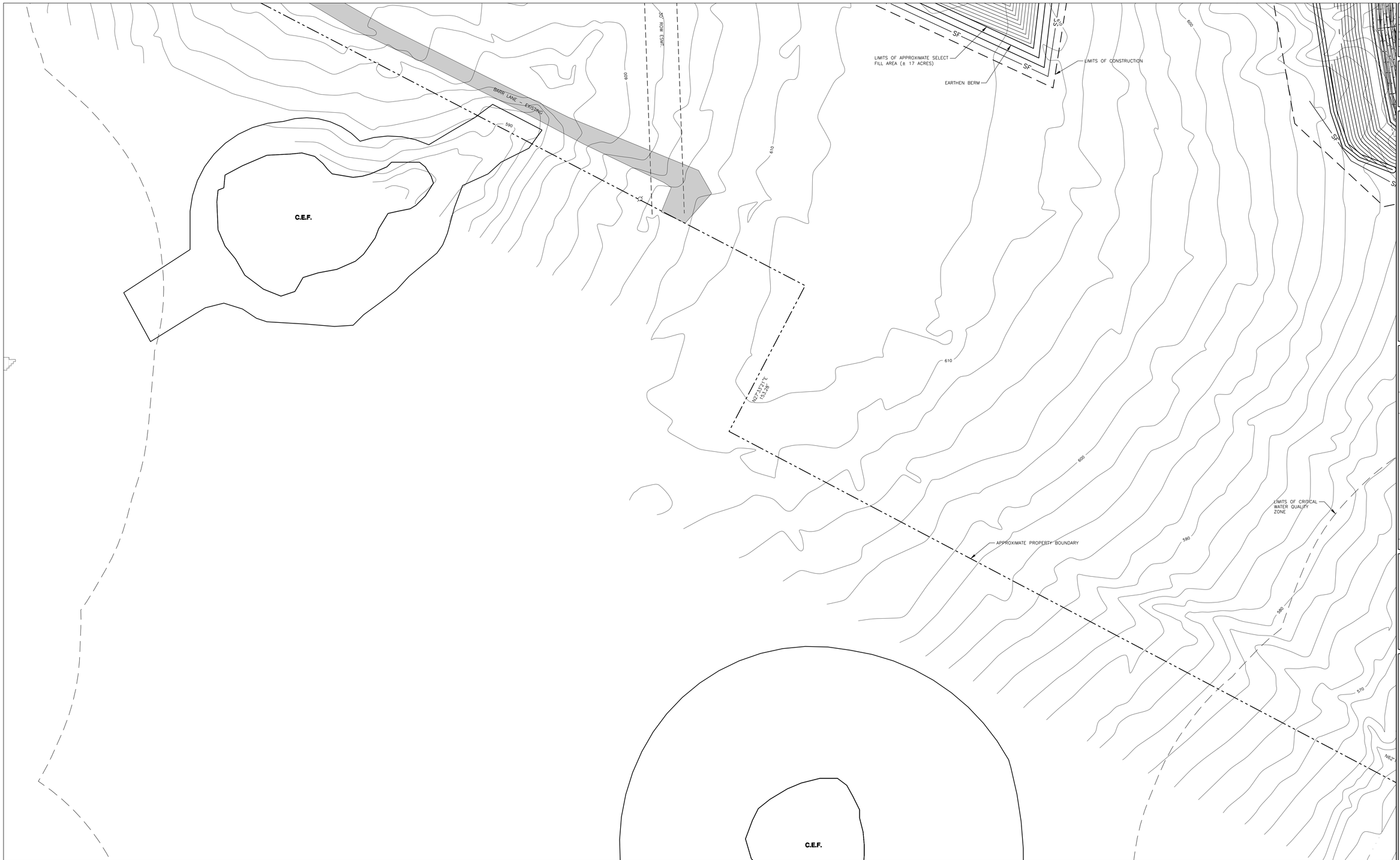
EROSION / SEDIMENTATION CONTROL PLAN - 06

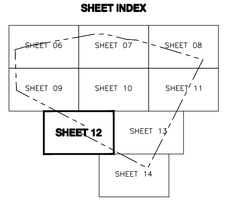
SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX



TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

SHEET INDEX



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- BASE AREA
- WATER BODY AREA

N

0 20 40 80

SCALE: 1" = 40'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

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IMAGE:	N/A
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6/15/2020

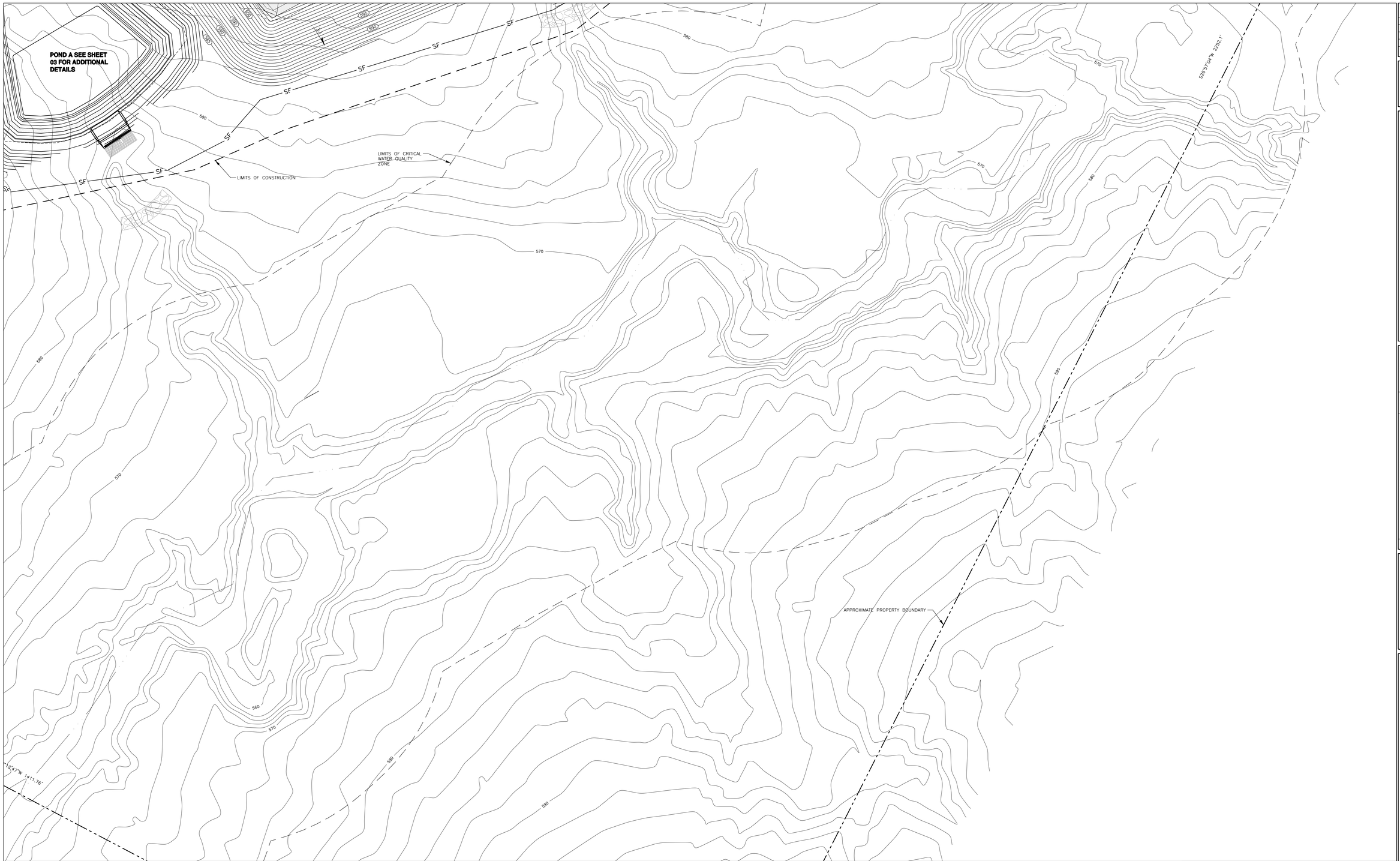
Curt G. Campbell, P.E.
License No. 106851

EROSION / SEDIMENTATION CONTROL PLAN - 07

SITE PLAN APPLICATION – BARR LANE TRACT

CAPITAL CITY CONSTRUCTIO, LLC

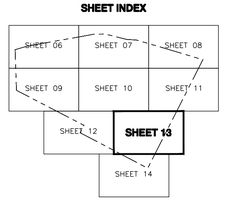
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX



TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

SHEET INDEX



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- BASE AREA
- WATER BODY AREA

N

0 20 40 80

SCALE: 1" = 40'

Reviewed By:

Travis County Transportation and Natural Resources — Date

Development Permit Number — Date

Travis County Revision Block (cover sheet):

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IMAGE:	N/A
ISSUE DATE:	06/15/2020
DRAWN BY:	JJS
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SCALE: 1" =	40'
JOB NO.:	11034-008

SHEET NO.: **13** OF 17

WESTWARD
Environmental, Engineering, Natural Resources.
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TBPE REG. NO.: F-4524
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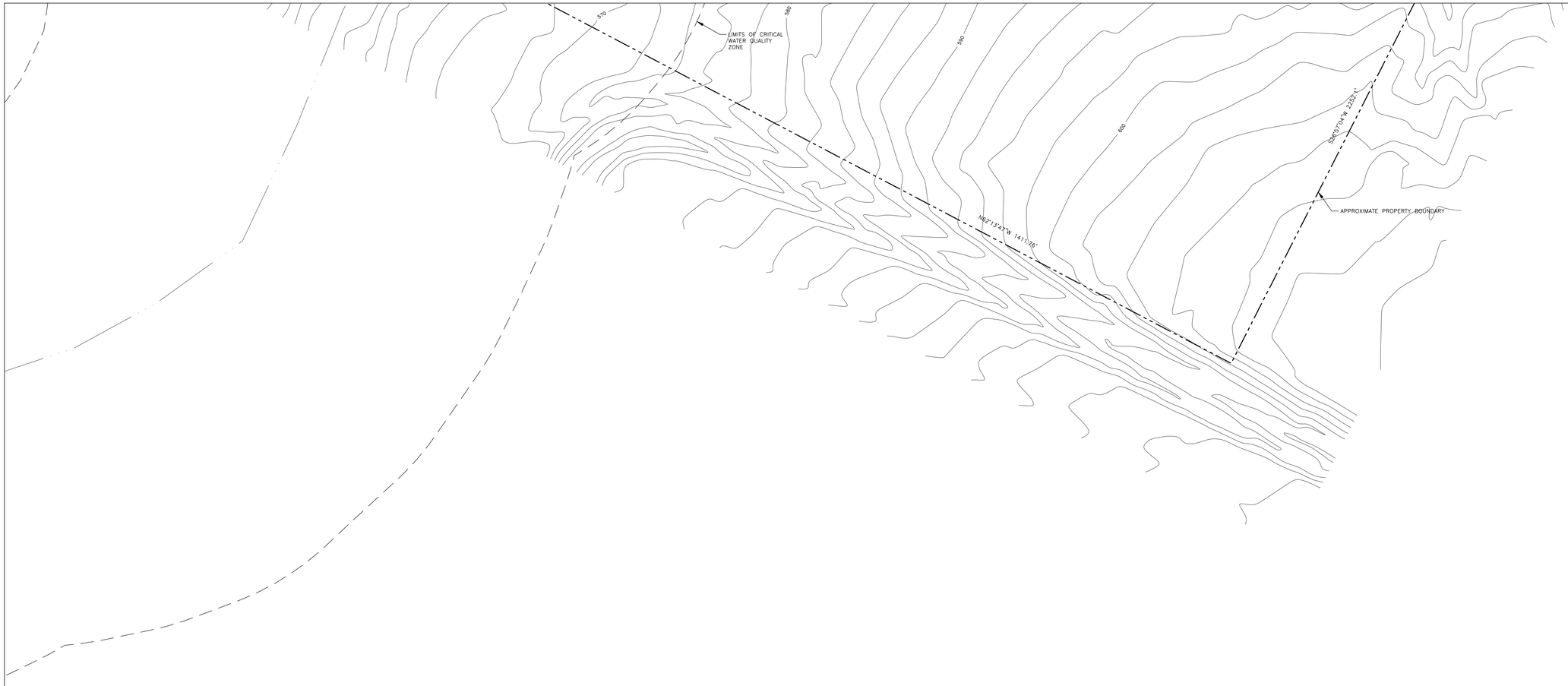
6/15/2020

Curt G. Campbell, P.E.
License No. 106851

EROSION / SEDIMENTATION CONTROL PLAN - 08

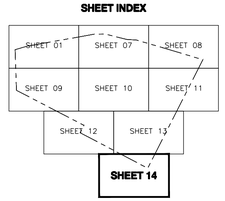
SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX



TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

SHEET INDEX



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N

0 20 40 80

SCALE: 1" = 40'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

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IMAGE:	N/A
ISSUE DATE:	06/15/2020
DRAWN BY:	JJS
CHECKED BY:	CGC
SCALE: 1" =	40'
JOB NO.:	11034-008

SHEET NO.:

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Environmental, Engineering, Natural Resources.
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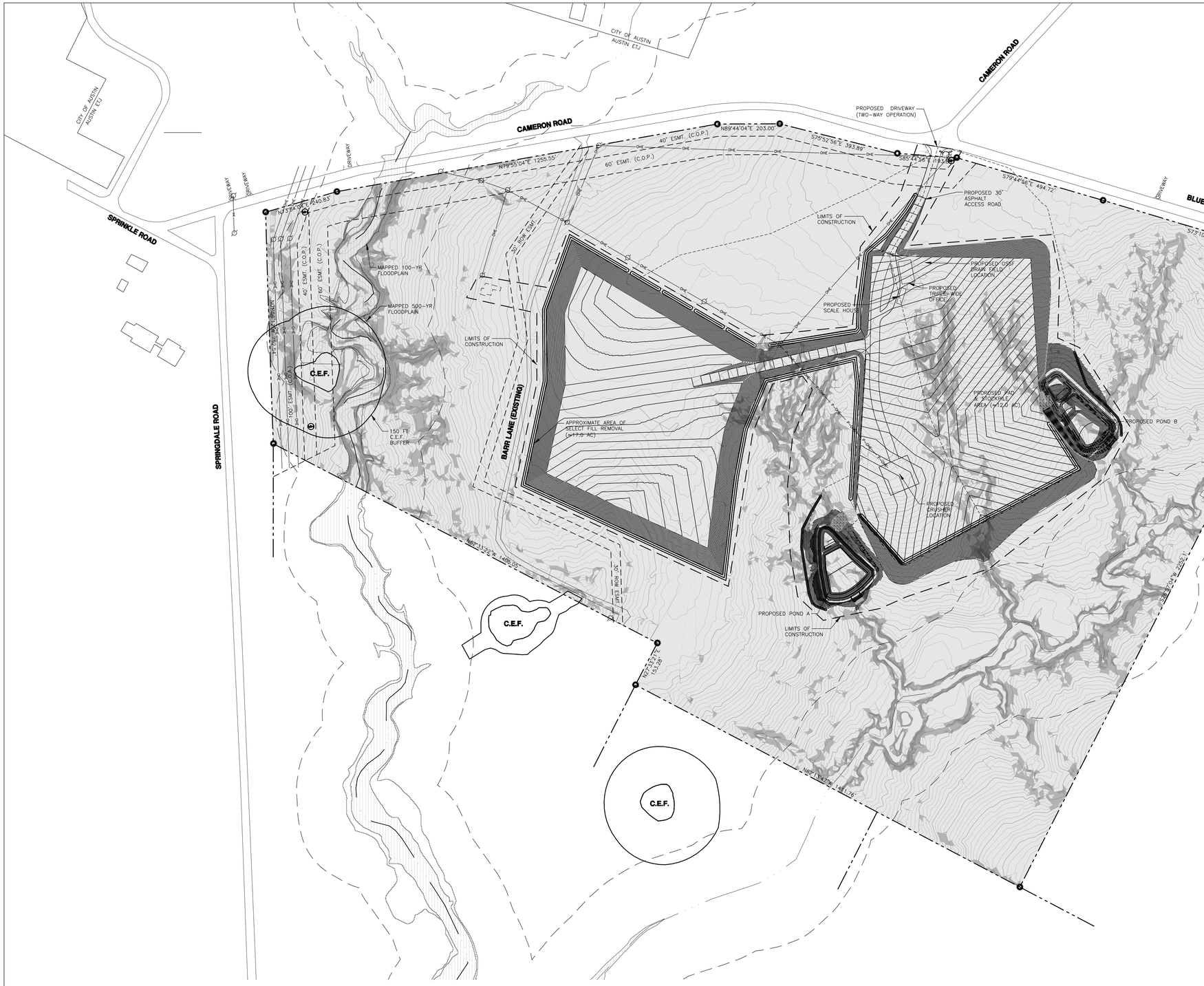
LICENSED PROFESSIONAL ENGINEER
6/15/2020

Curt G. Campbell, P.E.
License No. 106851

EROSION / SEDIMENTATION CONTROL PLAN - 09

SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX



TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

Slopes Table			
Number	Minimum Slope	Maximum Slope	Acres
1	0.00%	15.00%	±77
2	15.00%	25.00%	±7
3	25.00%	35.00%	±2
4	35.00%	Vertical	±3

LEGEND

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- FLOW ARROW

EXISTING SLOPES

- 0.00% – 15.00%
- 15.00% – 25.00%
- 25.00% – 35.00%
- 35.00% – VERTICAL

N

0 80 160 320

SCALE: 1" = 160'

IMAGE:	N/A
ISSUE DATE:	06/15/2020
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SCALE: 1" =	160'
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SLOPE & TOPOGRAPHIC MAP

SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
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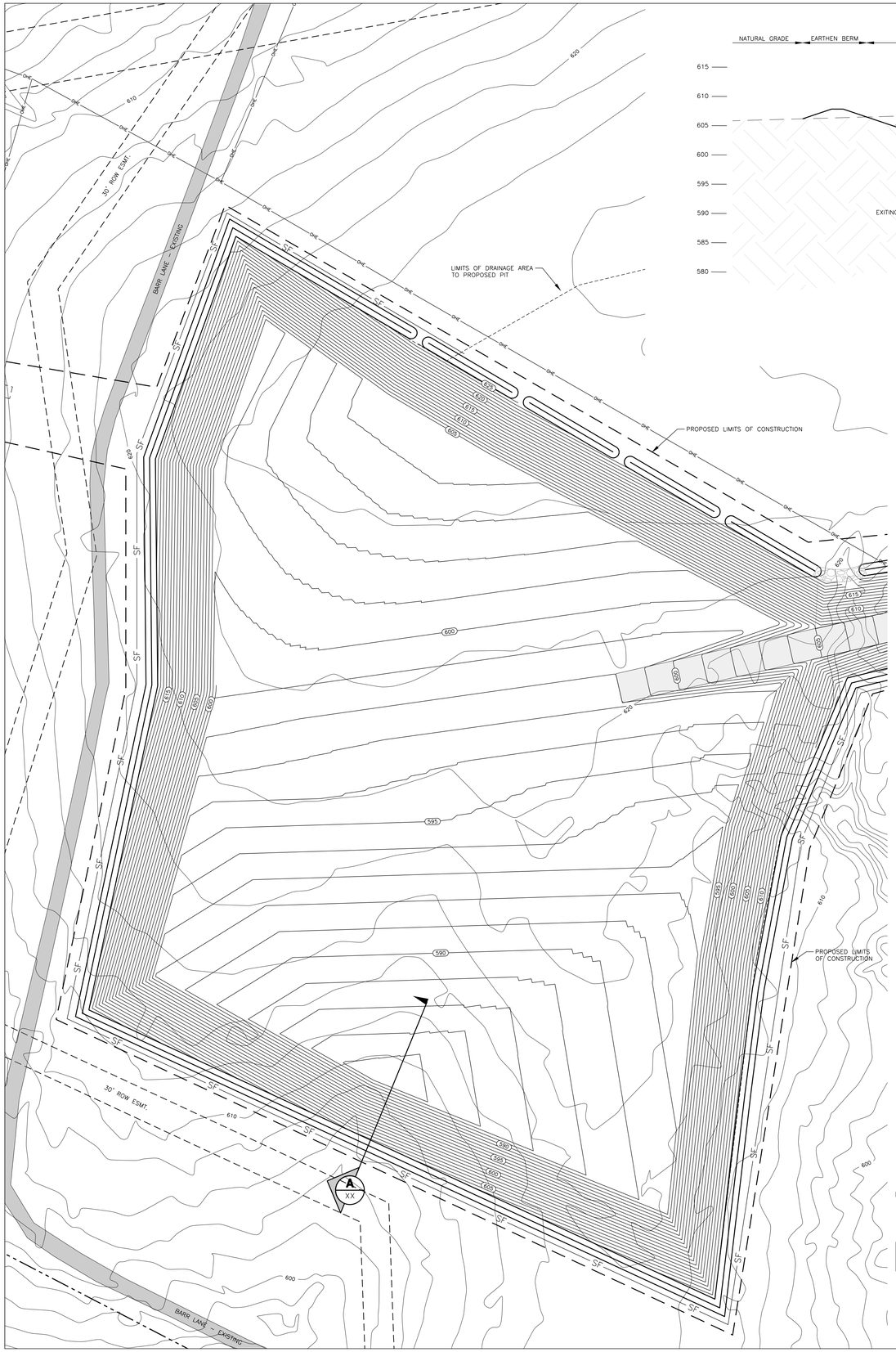

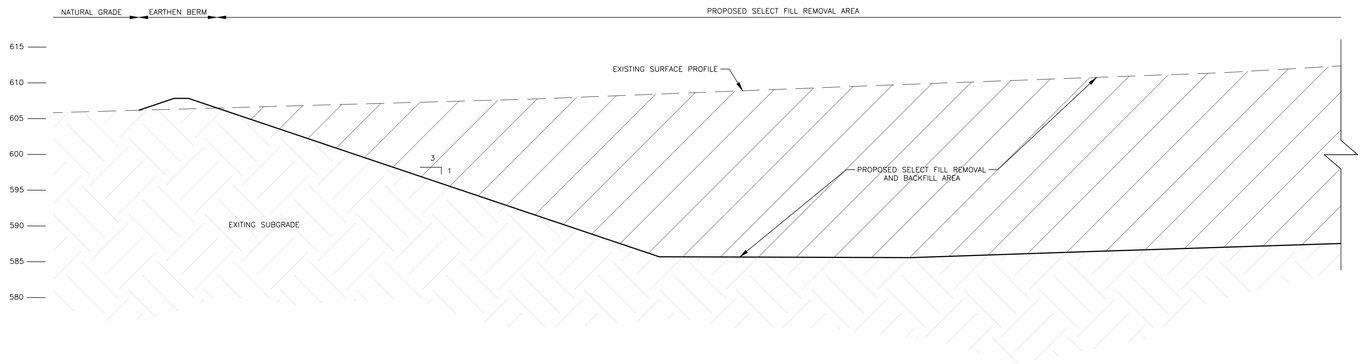

PROPOSED PIT CROSS SECTION

SCALE : 1" = 10'

RECLAMATION

UPON COMPLETION OF SELECT FILL EXTRACTION, OPERATOR MAY OPT TO BACKFILL REMAINING PIT IN ACCORDANCE WITH THE FOLLOWING CRITERIA. OTHERWISE THE EXCAVATION AREA WILL BE STABILIZED IN ACCORDANCE WITH THE SITE EROSION AND SEDIMENTATION CONTROL PLAN.

SELECT FILL PIT BACKFILL CRITERIA.

A. PIT SIDE SLOPES IN COMPETENT ROCK MAY BE STABILIZED AS VERTICAL FACES.

B. BACKFILL MATERIAL. IF THE PIT IS TO BE BACKFILLED, THEN ONLY UNCONTAMINATED EARTHEN MATERIAL OR INERT MATERIAL FROM THE SITE MAY BE USED TO BACKFILL THE QUARRY PIT. ALL POTENTIAL RECHARGE FEATURES GREATER THAN ONE SQUARE FOOT OR ONE FOOT DIAMETER IN AREA LOCATED ON THE PIT FLOOR MUST BE SEALED PRIOR TO THE PLACEMENT OF BACKFILL. ALL BACKFILL MATERIAL MUST MEET THE CRITERIA OF INERT AND ESSENTIALLY INSOLUBLE. CHEMICAL ANALYSES BY A CERTIFIED LABORATORY MAY BE REQUIRED IF THE MATERIAL HAS AN ODOR, TEXTURE OR APPEARANCE INDICATING THAT IT IS NOT INERT AND ESSENTIALLY INSOLUBLE. THE OPERATOR WILL OBTAIN A BACKFILL LOAD CERTIFICATE OF ALL MATERIAL PLACED AS BACKFILL FROM EACH VEHICLE DRIVER. BACKFILL LOAD CERTIFICATES MUST BE KEPT ONSITE AND AVAILABLE FOR INSPECTION BY THE CITY OF AUSTIN. POST A SIGN NEAR THE BACKFILL AREA STATING THAT ONLY UNCONTAMINATED EARTHEN MATERIAL MAY BE ACCEPTED.

C. FILL MATERIAL SHALL BE COMPACTED FROM THE BOTTOM OF THE EXCAVATION TO WITHIN FIVE (5) FEET OF FINAL GRADE. MATERIAL SHALL BE PLACED IN LIFTS AND ROLLER COMPACTED IN ACCORDANCE WITH RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER BASED ON FINAL DESIRED USE.

D. IN AN OPEN PIT THAT IS PARTIALLY BACKFILLED, THE SLOPE OF THE BACKFILLED AREA MUST BE RESTORED TO A FINAL SLOPE OF 3-HORIZONTAL TO 1-VERTICAL UNIT RATIO (3 H:1 V) OR AS A SERIES OF BENCHES WITH MAXIMUM HEIGHT OF 4 FEET IN ORDER TO PREVENT EROSION AND TO DISPERSE RUNOFF BACK TO SHEET FLOW. (LDC 25-8-185 OR ATCSR 30-5-185)

E. THE FINAL GRADE OF BACKFILLED AREAS MAY NOT EXCEED THE PRE-EXISTING NATURAL GRADE OF THE SITE PRIOR TO THE INITIATION OF EXTRACTION OPERATIONS UNLESS A VARIANCE IS OBTAINED FROM THE LAND USE COMMISSION.

ADDITIONAL NOTES:

1. BERM HEIGHT WILL NOT EXCEED 3 FEET (UNLESS REQUIRED FOR MSHA COMPLIANCE).
2. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION; MULCH, TARP OR REVEGETATION MATTING. [ECM 1.4.4.B.3, SECTION 5, I.]

   ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS. [LDC 25-8-183]

   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.

   THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. [ECM 1.4.4.D.4]
3. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS, AND PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY BY THE DEVELOPMENT SERVICES DEPARTMENT, THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DETENTION AND FILTRATION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.

TRAVIS COUNTY PERMIT
BARR LANE TRACT

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Impervious Cover	12.24	450,584	8.67%

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- PROPOSED ASPHALT AREA
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- WATER BODY AREA

N

0 80 160 320

SCALE: 1" = 160'

Reviewed By:

Travis County Transportation and Natural Resources **Date**

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IMAGE:	N/A
ISSUE DATE:	06/15/2020
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6/15/2020

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License No. 106851

RESOURCE EXTRACTION / RECLAMATION PLAN

SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX

CITY OF AUSTIN STANDARD EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS, TREE/NATURAL AREA PROTECTIVE FENCING, AND CONDUCT "PRE-CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE) PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION).
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. THE COA ESC PLAN SHALL BE CONSULTED AND USED AS THE BASIS FOR A TPDES REQUIRED SWPPP. IF A SWPPP IS REQUIRED, IT SHALL BE AVAILABLE FOR REVIEW BY THE CITY OF AUSTIN ENVIRONMENTAL INSPECTOR AT ALL TIMES DURING CONSTRUCTION, INCLUDING AT THE PRE-CONSTRUCTION MEETING. THE CHECKLIST BELOW CONTAINS THE BASIC ELEMENTS THAT SHALL BE REVIEWED FOR PERMIT APPROVAL BY COA EV PLAN REVIEWERS AS WELL AS COA EV INSPECTORS.
3. TREE AND NATURAL AREA PROPTECTION PLAN IS NOT REQUIRED.
4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER/PERMIT APPLICANT AND ENVIRONMENTAL INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS, TREE/NATURAL AREA PROTECTION MEASURES AND "PRE-CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE) PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE OWNER OR OWNER'S REPRESENTATIVE SHALL NOTIFY THE DEVELOPMENT SERVICES DEPARTMENT, 512-974-2278 OR BY EMAIL AT ENVIRONMENTAL.INSPECTIONS@AUSTINTEXAS.GOV, AT LEAST THREE DAYS PRIOR TO THE MEETING DATE. COA APPROVED ESC PLAN AND TPDES SWPPP (IF REQUIRED) SHOULD BE REVIEWED BY COA EV INSPECTOR AT THIS TIME.
5. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY AUTHORIZED COA STAFF. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
6. THE CONTRACTOR IS REQUIRED TO PROVIDE A CERTIFIED INSPECTOR THAT IS EITHER A LICENSED ENGINEER (OR PERSON DIRECTLY SUPERVISED BY THE LICENSED ENGINEER) OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC OR CPESC – IT), CERTIFIED EROSION, SEDIMENT AND STORMWATER – INSPECTOR (CESSWI OR CESSWI – IT) OR CERTIFIED INSPECTOR OF SEDIMENTATION AND EROSION CONTROLS (CISEC OR CISEC – IT) CERTIFICATION TO INSPECT THE CONTROLS AND FENCES AT WEEKLY OR BI-WEEKLY INTERVALS AND AFTER ONE-HALF (½) INCH OR GREATER RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES OR ONE-THIRD (⅓) OF THE INSTALLED HEIGHT OF THE CONTROL WHICHEVER IS LESS.
7. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
8. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS; ONE SQUARE FOOT IN TOTAL AREA; BLOWS AIR FROM WITHIN THE SUBSTRATE AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT A CITY OF AUSTIN ENVIRONMENTAL INSPECTOR FOR FURTHER INVESTIGATION.
9. TEMPORARY AND PERMANENT EROSION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW:
   A. ALL DISTURBED AREAS TO BE REVEGETATED ARE REQUIRED TO PLACE A MINIMUM OF SIX (6) INCHES OF TOPSOIL [SEE STANDARD SPECIFICATION ITEM NO. 601S.3(A)]. DO NOT ADD TOPSOIL WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES.
   B. TOPSOIL SALVAGED FROM THE EXISTING SITE IS ENCOURAGED FOR USE, BUT IT SHOULD MEET THE STANDARDS SET FORTH IN 601S.
   C. AN OWNER/ENGINEER MAY PROPOSE USE OF ONSITE SALVAGED TOPSOIL WHICH DOES NOT MEET THE CRITERIA OF STANDARD SPECIFICATION 601S BY PROVIDING A SOIL ANALYSIS AND A WRITTEN STATEMENT FROM A QUALIFIED PROFESSIONAL IN SOILS, LANDSCAPE ARCHITECTURE, OR AGRONOMY INDICATING THE ONSITE TOPSOIL WILL PROVIDE AN EQUIVALENT GROWTH MEDIA AND SPECIFYING WHAT, IF ANY, SOIL AMENDMENTS ARE REQUIRED. SOIL AMENDMENTS SHALL BE WORKED INTO THE EXISTING ONSITE TOPSOIL WITH A DISC OR TILLER TO CREATE A WELL-BLENDED MATERIAL.

TEMPORARY VEGETATIVE STABILIZATION:

1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH OR INCLUDE A COOL SEASON COVER CROP: (WESTERN WHEATGRASS (PASCOPYRUM SMITHII) AT 5.6 POUNDS PER ACRE, OATS (AVENA SATIVA) AT 4.0 POUNDS PER ACRE, CEREAL RYE GRAIN (SECALE CEREALE) AT 45 POUNDS PER ACRE. CONTRACTOR MUST ENSURE THAT ANY SEED APPLICATION REQUIRING A COOL SEASON COVER CROP DOES NOT UTILIZE ANNUAL RYEGRASS (LOLIUM MULTIFLORUM) OR PERENNIAL RYEGRASS (LOLIUM PERENNE). COOL SEASON COVER CROPS ARE NOT PERMANENT EROSION CONTROL.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE OR A NATIVE PLANT SEED MIX CONFORMING TO ITEM 604S OR 609S.
   D. FERTILIZER SHALL BE APPLIED ONLY IF WARRANTED BY A SOIL TEST AND SHALL CONFORM TO ITEM NO. 606S, FERTILIZER. FERTILIZATION SHOULD NOT OCCUR WHEN RAINFALL IS EXPECTED OR DURING SLOW PLANT GROWTH OR DORMANCY. CHEMICAL FERTILIZER MAY NOT BE APPLIED IN THE CRITICAL WATER QUALITY ZONE.
   E. HYDROMULCH SHALL COMPLY WITH TABLE 1, BELOW.
   F. TEMPORARY EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1½ INCHES HIGH WITH A MINIMUM OF 95% TOTAL COVERAGE SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR TEMPORARY STABILIZATION ARE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
   G. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, AND STANDARD SPECIFICATION 604S OR 609S.

3. TABLE I. HYDROMULCHING FOR TEMPORARY VEGETATIVE STABILIZATION

MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATIONS	APPLICATION RATES
100% OR ANY BLEND OF WOOD, CELLULOSE, STRAW, AND/OR COTTON PLANT MATERIAL	70% OR GREATER WOOD/STRAW 30% OR LESS PAPER OR NATURAL FIBERS	0-3 MONTHS	MODERATE SLOPES; FROM FLAT TO 3:1	1,500 TO 2,000 LBS PER ACRE

DEVELOPER INFORMATION

OWNER:
BUFFALO BILL FARMS, LLC — ADDRESS: 8127 INDUSTRIAL DRIVE, GRAND BLANC, MICHIGAN 48439
PHONE #: 810-241-2955

OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS:
WESTWARD ENVIRONMENTAL, INC. — ADDRESS: P.O. BOX 2205 BOERNE, TX 78006
PHONE #: (830)249-8284

PERSON OR FIRM RESPONSIBLE EROSION/SEDIMENTATION CONTROL MAINTENANCE:
CAPITAL CITY CRUSHING, LLC — ADDRESS: 5415 McKINNEY FALLS PKWY AUSTIN, TEXAS 78744
PHONE #: 810-241-2955

ADDITIONAL NOTES:

1. BERM HEIGHT WILL NOT EXCEED 3 FEET (UNLESS REQUIRED FOR MSHA COMPLIANCE).
2. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING. [ECM 1.4.4.B.3, SECTION 5, I.]

   ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS. [LDC 25-8-183]

   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.

   THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. [ECM 1.4.4.D.4]
3. UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS, AND PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY BY THE DEVELOPMENT SERVICES DEPARTMENT, THE DESIGN ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DETENTION AND FILTRATION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.
4. INTERNAL ROADS DESIGNED TO SUPPORT THE LOADS IMPOSED BY HEAVY FIRE DEPARTMENT APPARATUS.
5. PIT GRADING MAY VARY BASED ON MATERIAL AVAILABILITY AND TO ACCOMMODATE OPERATIONAL NEEDS.

DETAILED SEQUENCE OF CONSTRUCTION:

SILT FENCE WILL BE INSTALLED PRIOR TO CLEARING, GRUBBING AND SITE PREPARATION WORK. CLEARING AND GRUBBING WILL TAKE PLACE PRIOR TO EXCAVATION FOR THE PROPOSED WET BASINS AND SELECT FILL REMOVAL AREA (PIT). EXCAVATION OF THE WET BASINS AND SELECT FILL REMOVAL AREA WILL OCCUR SIMULTANEOUSLY. TOPSOIL WILL BE USED TO CONSTRUCT BERMS ALONG THE SOUTHERN, DOWNGRADIENT, LIMITS OF THE PROPOSED PIT. AN APPROXIMATELY FIVE-ACRE AREA WILL BE EXCAVATED TO A MINIMUM DEPTH OF TWO FEET, AT WHICH POINT THE PIT AREA WILL CONTAIN THE 10-YEAR 24-HOUR STORM FROM ITS CONTRIBUTING DRAINAGE AREA. PROPOSED SITE GRADING AND BERMS WILL BE ESTABLISHED TO DIRECT ALL STORMWATER RUNOFF FROM THE DISTURBED AREAS OF THE SITE INTO THE TWO LINED WET BASINS OR FILL REMOVAL PIT. THE WET BASINS HAVE BEEN DESIGNED TO ACCOMMODATE THE 100-YEAR 24-HOUR STORM. THE PRIMARY PROPOSED WATER QUALITY CONTROLS WITHIN THE SUBJECT AREA, IN COMPLIANCE WITH THE LDC 25-8-211 AND THE ENVIRONMENTAL CRITERIA MANUAL (ECM), ARE SITE GRADING, SILT FENCE, ROCK FILTER BERMS, DIVERSION BERMS, AND LINED WET BASINS.

SILT FENCE

A SILT FENCE IS A BARRIER CONSISTING OF GEOTEXTILE FABRIC SUPPORTED BY METAL POSTS TO PREVENT SOIL AND SEDIMENT LOSS FROM A SITE. WHEN PROPERLY USED, SILT FENCES CAN BE HIGHLY EFFECTIVE AT CONTROLLING SEDIMENT FROM DISTURBED AREAS. THEY CAUSE RUNOFF TO POND, ALLOWING HEAVIER SOLIDS TO SETTLE OUT. IF NOT PROPERLY INSTALLED, SILT FENCES ARE NOT LIKELY TO BE EFFECTIVE. A SCHEMATIC ILLUSTRATION OF A SILT FENCE IS SHOWN IN FIGURE 3-20.

THE PURPOSE OF A SILT FENCE IS TO INTERCEPT AND DETAIN WATER-BORNE SEDIMENT FROM UNPROTECTED AREAS OF A LIMITED EXTENT. SILT FENCE IS USED DURING THE PERIOD OF CONSTRUCTION NEAR THE PERIMETER OF A DISTURBED AREA TO INTERCEPT SEDIMENT WHILE ALLOWING WATER TO PERCOLATE THROUGH. THIS FENCE SHOULD REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. SILT FENCE SHOULD NOT BE USED WHERE THERE IS A CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY. IF CONCENTRATED FLOW OCCURS AFTER INSTALLATION, CORRECTIVE ACTION MUST BE TAKEN SUCH AS PLACING A ROCK BERM IN THE AREAS OF CONCENTRATED FLOW. SILT FENCING WITHIN THE SITE MAY BE TEMPORARILY MOVED DURING THE DAY TO ALLOW CONSTRUCTION ACTIVITY PROVIDED IT IS REPLACED AND PROPERLY ANCHORED TO THE GROUND AT THE END OF THE DAY. SILT FENCES ON THE PERIMETER OF THE SITE OR AROUND DRAINAGE WAYS SHOULD NOT BE MOVED AT ANY TIME.

USE J-HOOKS TO TRAP AND POND RUNOFF FLOWING ALONG UPHILL SIDE OF SILT FENCE AS SHOWN IN FIGURE 3-21 OF THE LCRA HIGHLAND LAKES WATERSHED ORDINANCE WATER QUALITY MANAGEMENT TECHNICAL MANUAL. THIS WILL FILTER OR SETTLE OUTFLOWS AND PREVENT RUNOFF FROM ESCAPING AROUND THE SIDES OF THE FENCE.

MATERIALS:
- SILT FENCE MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE WOVEN OR NONWOVEN FABRIC. THE FABRIC WIDTH SHOULD BE 36 INCHES, WITH A MINIMUM UNIT WEIGHT OF 4 OZ/YD, ULTRAVIOLET STABILITY EXCEEDING 70%, AND MINIMUM APPARENT OPENING SIZE OF U.S. SIEVE NO. 30.
- FENCE POSTS SHOULD BE MADE OF HOT ROLLED STEEL, AT LEAST 4 FEET LONG WITH TEE OR YBAR CROSS SECTION, SURFACE PAINTED OR GALVANIZED, MINIMUM NOMINAL WEIGHT 1.25 LB/FT2, AND BRINDELL HARDNESS EXCEEDING 140.
- WOVEN WIRE BACKING TO SUPPORT THE FABRIC SHOULD BE GALVANIZED 2" X 4" WELDED WIRE, 12 GAUGE MINIMUM.

INSTALLATION:
- STEEL POSTS, WHICH SUPPORT THE SILT FENCE, SHOULD BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 1- FOOT DEEP AND SPACED NOT MORE THAN 8 FEET ON CENTER. WHERE WATER CONCENTRATES, THE MAXIMUM SPACING SHOULD BE 6 FEET.
- LAY OUT FENCING DOWN-SLOPE OF DISTURBED AREA, FOLLOWING THE CONTOUR AS CLOSELY AS POSSIBLE. UTILIZE J-HOOKS AS NECESSARY AS SHOWN IN FIGURE 3-21 . THE FENCE SHOULD BE SITED SO THAT THE MAXIMUM DRAINAGE AREA IS ¼ ACRE/100 FEET OF FENCE.
- THE TOE OF THE SILT FENCE SHOULD BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN-SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G., PAVEMENT OR ROCK OUTCROP), WEIGHT FABRIC FLAP WITH 3 INCHES OF PEA GRAVEL ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHOULD BE A 3-FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- SILT FENCE SHOULD BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

COMMON TROUBLE POINTS:
- FENCE NOT INSTALLED ALONG THE CONTOUR CAUSING WATER TO CONCENTRATE AND FLOW OVER THE FENCE.
- FABRIC NOT SEATED SECURELY TO GROUND (RUNOFF PASSING UNDER FENCE)
- FENCE NOT INSTALLED PERPENDICULAR TO FLOW LINE (RUNOFF ESCAPING AROUND SIDES)
- FENCE TREATING TOO LARGE AN AREA, OR EXCESSIVE CHANNEL FLOW (RUNOFF OVERTOPS OR COLLAPSES FENCE)

INSPECTION AND MAINTENANCE GUIDELINES:
- INSPECT ALL FENCING WEEKLY, AND AFTER ANY RAINFALL IN EXCESS OF 0.5 INCH OR MORE.
- REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES.
- REPLACE ANY TORN FABRIC.
- REPLACE OR REPAIR ANY SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY. IF A SECTION OF FENCE IS OBSTRUCTING VEHICULAR ACCESS, CONSIDER RELOCATING IT TO A SPOT WHERE IT WILL PROVIDE EQUAL PROTECTION, BUT WILL NOT OBSTRUCT VEHICLES. A TRIANGULAR FILTER DIKE MAY BE PREFERABLE TO A SILT FENCE AT COMMON VEHICLE ACCESS POINTS.
- WHEN CONSTRUCTION IS COMPLETE, THE SEDIMENT SHOULD BE DISPOSED OF IN A MANNER THAT WILL NOT CAUSE ADDITIONAL SILTATION AND THE PRIOR LOCATION OF THE SILT FENCE SHOULD BE REVEGETATED. THE FENCE ITSELF SHOULD BE DISPOSED OF IN AN APPROVED LANDFILL.

SILT FENCE SPACING ON SLOPING SITES			
SLOPE ANGLE	SILTY SOILS	CLAYS	SANDY SOILS
VERY STEEP (1:1)	50 FT.	75 FT.	100 FT.
STEEP (2:1)	75 FT.	100 FT.	125 FT.
MODERATE (4:1)	100 FT.	125 FT.	150 FT.
SLIGHT (10:1)	125 FT.	150 FT.	200 FT.

J-HOOK PLACEMENT DETAILS

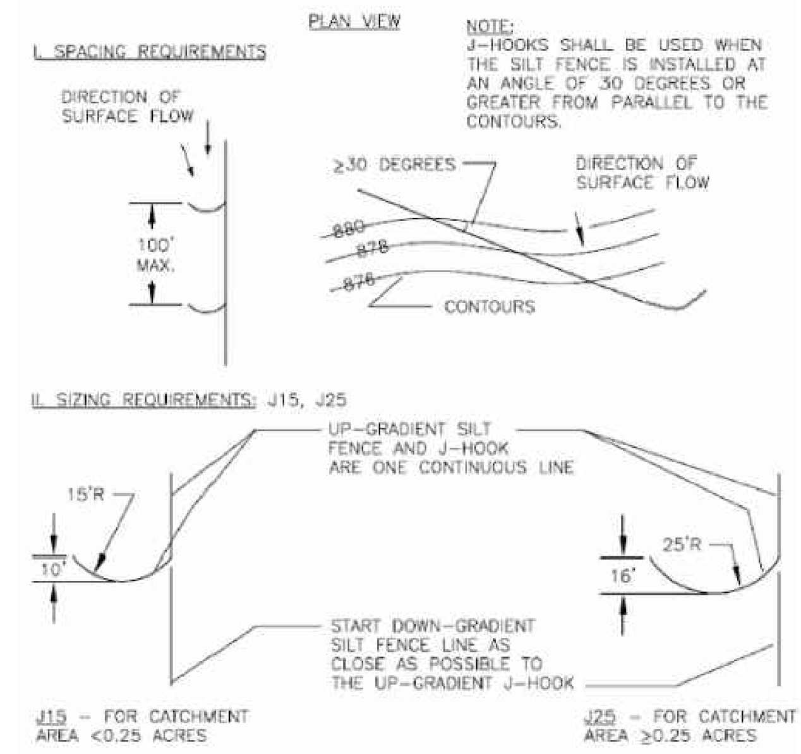
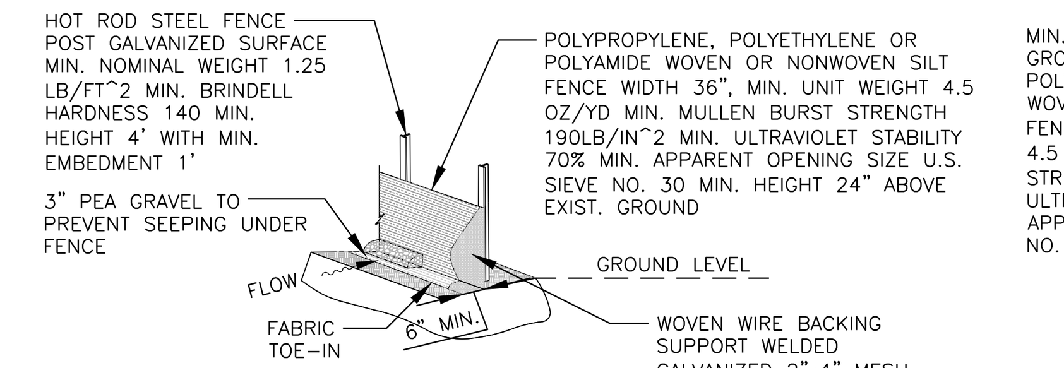
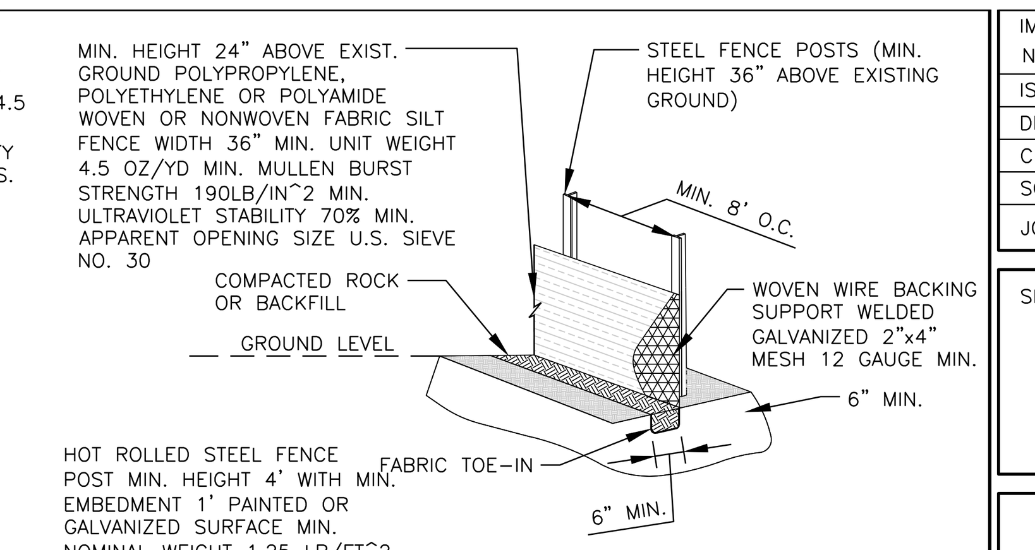


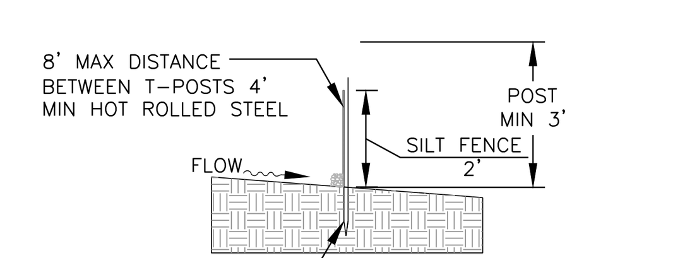
FIGURE 3-21



SILT FENCE ON PAVEMENT OR ROCK OUTCROP
NOT TO SCALE



SILT FENCE WITH TRENCHED TOE
NOT TO SCALE

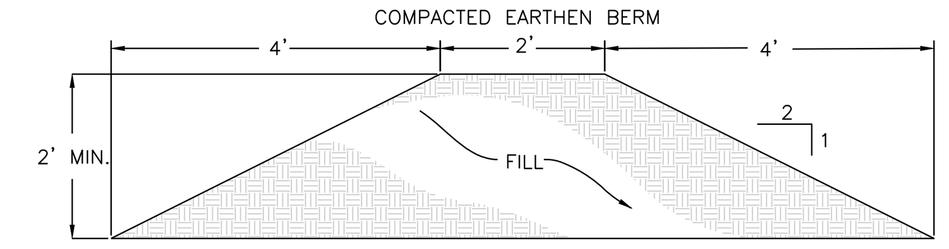


COMPACTED EARTHEN BERM

INSTALLATION:
COMPRISED OF SOIL AND OVERBURDEN MATTER EITHER GENERATED ONSITE OR DELIVERED FROM OFFSITE. COMPACT WITH HEAVY EQUIPMENT IN 12" (MAX) LIFTS.

MAINTENANCE (TEMPORARY):
INSPECT BERMS ONCE A MONTH UNTIL SUFFICIENTLY VEGETATED. REPLACE AS NECESSARY.

COMPACTED EARTHEN BERM

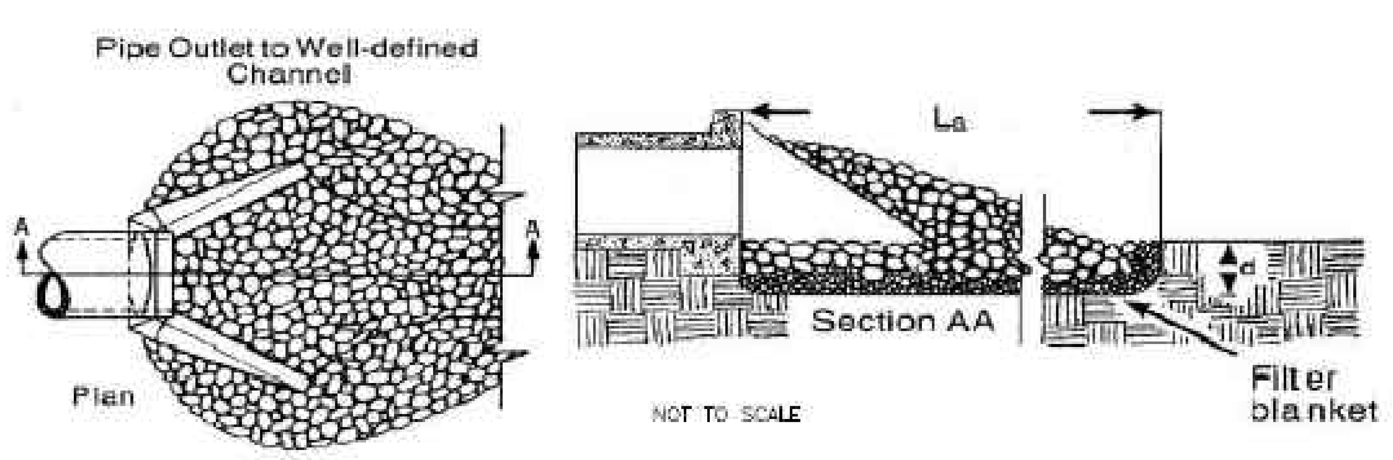


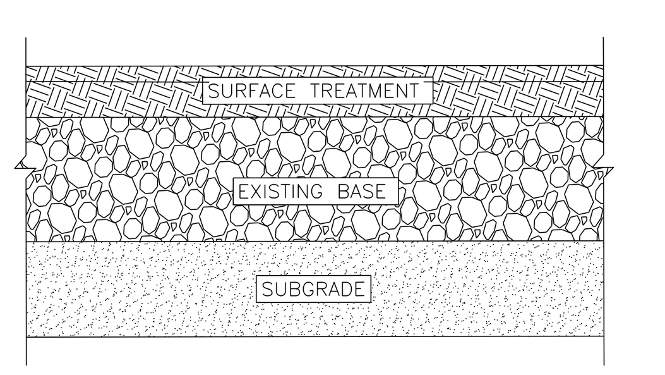
*MAXIMUM BERM HEIGHT NOT TO EXCEED 3'

OUTLET STABILIZATION

THE GOAL OF OUTLET STABILIZATION IS TO PREVENT EROSION AT THE OUTLET OF A CHANNEL OR CONDUIT BY REDUCING THE VELOCITY OF FLOW AND DISSIPATING THE ENERGY. THIS PRACTICE APPLIES WHERE THE DISCHARGE VELOCITY OF A PIPE, BOX CULVERT, DIVERSION, OPEN CHANNEL, OR OTHER WATER CONVEYANCE STRUCTURE EXCEEDS THE PERMISSIBLE VELOCITY OF THE RECEIVING CHANNEL OR DISPOSAL AREA.

THE OUTLETS OF CHANNELS, CONDUITS, AND OTHER STRUCTURES ARE POINTS OF HIGH EROSION POTENTIAL, BECAUSE THEY FREQUENTLY CARRY FLOWS AT VELOCITIES THAT EXCEED THE ALLOWABLE LIMIT FOR THE AREA DOWNSTREAM. TO PREVENT SCOUR AND UNDERMINING, AN OUTLET STABILIZATION STRUCTURE IS NEEDED TO ABSORB THE IMPACT OF THE FLOW AND REDUCE THE VELOCITY TO NONEROSIVE LEVELS. A RIPRAP-LINED APRON IS THE MOST COMMONLY USED PRACTICE FOR THIS PURPOSE BECAUSE OF ITS RELATIVELY LOW COST AND EASE OF INSTALLATION. THE RIPRAP APRON SHOULD BE EXTENDED DOWNSTREAM UNTIL STABLE CONDITIONS ARE REACHED EVEN THOUGH THIS MAY EXCEED THE LENGTH CALCULATED FOR DESIGN VELOCITY CONTROL.





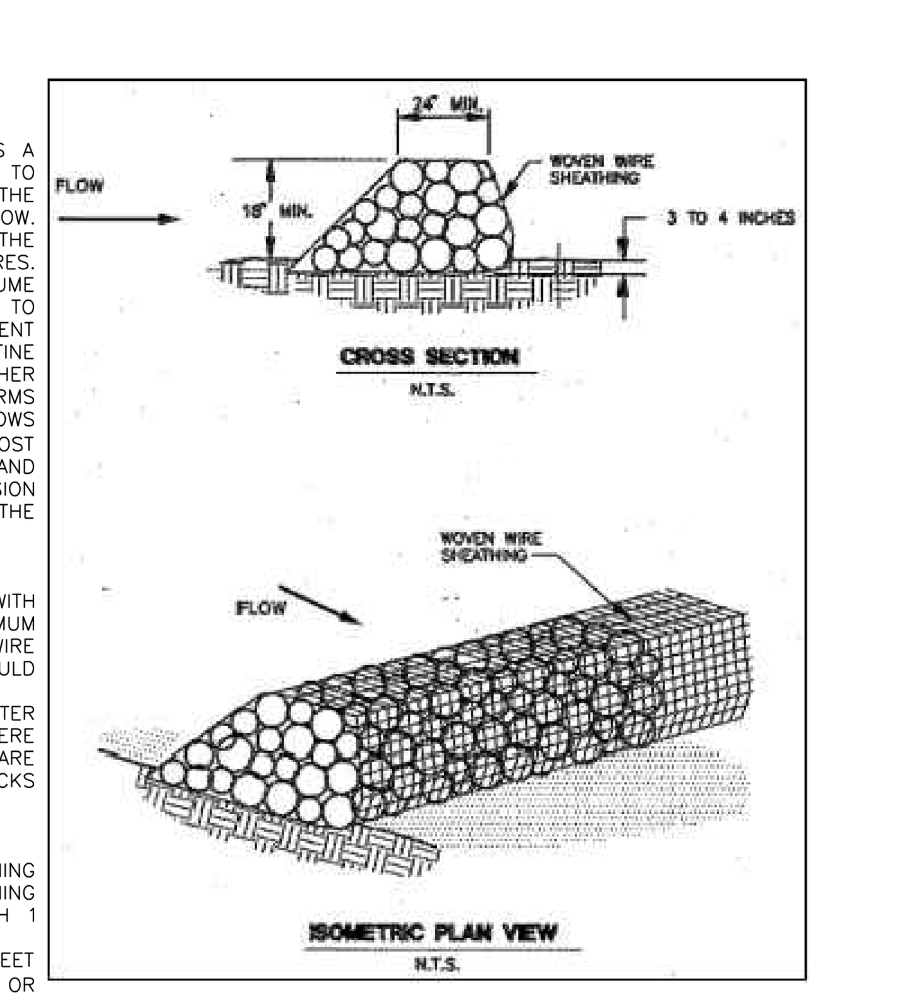
NOTE: CONTRACTOR TO VERIFY FINAL PAVEMENT DESIGN FOLLOWING GEOTECHNICAL ANALYSIS.

PAVEMENT MATERIAL	THICKNESS
SURFACE TREATMENT – 2 COURSE	3"
TXDOT ITEM 247, TYPE A, GRADE 1 OR 2 FLEXIBLE BASE	8"
SUBGRADE	18"

PAVEMENT MATERIAL
SCALE : NOT TO SCALE

ROCK BERMS

THE PURPOSE OF A ROCK BERM IS TO SERVE AS A CHECK DAM IN AREAS OF CONCENTRATED FLOW, TO INTERCEPT SEDIMENT-LADEN RUNOFF, DETAIN THE SEDIMENT AND RELEASE THE WATER IN SHEET FLOW. THE ROCK BERM SHOULD BE USED WHEN THE CONTRIBUTING DRAINAGE AREA IS LESS THAN 5 ACRES. ROCK BERMS ARE USED IN AREAS WHERE THE VOLUME OF RUNOFF IS TOO GREAT FOR A SILT FENCE TO CONTAIN. THEY ARE LESS EFFECTIVE FOR SEDIMENT REMOVAL THAN SILT FENCES, PARTICULARLY FOR FINE PARTICLES, BUT ARE ABLE TO WITHSTAND HIGHER FLOWS THAN A SILT FENCE. AS SUCH, ROCK BERMS ARE OFTEN USED IN AREAS OF CHANNEL FLOWS (DITCHES, GULLIES, ETC.). ROCK BERMS ARE MOST EFFECTIVE AT REDUCING BED LOAD IN CHANNELS AND SHOULD NOT BE SUBSTITUTED FOR OTHER EROSION AND SEDIMENT CONTROL MEASURES FARTHER UP THE WATERSHED.



MATERIALS:
- THE BERM STRUCTURE SHOULD BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE DIAMETER OF 20 GAUGE GALVANIZED AND SHOULD BE SECURED WITH SHOAT RINGS.
- CLEAN, OPEN GRADED 3- TO 5-INCH DIAMETER ROCK SHOULD BE USED, EXCEPT IN AREAS WHERE HIGH VELOCITIES OR LARGE VOLUMES OF FLOW ARE EXPECTED, WHERE 5- TO 8-INCH DIAMETER ROCKS MAY BE USED.

INSTALLATION:
- LAY OUT THE WOVEN WIRE SHEATHING PERPENDICULAR TO THE FLOW LINE. THE SHEATHING SHOULD BE 20 GAUGE WOVEN WIRE MESH WITH 1 INCH OPENINGS.
- BERM SHOULD HAVE A TOP WIDTH OF 2 FEET MINIMUM WITH SIDE SLOPES BEING 2:1 (H:V) OR FLATTER.
- PLACE THE ROCK ALONG THE SHEATHING AS SHOWN IN THE DIAGRAM (FIGURE 3-23), TO A HEIGHT NOT LESS THAN 18".
- WRAP THE WIRE SHEATHING AROUND THE ROCK AND SECURE WITH TIE WIRE SO THAT THE ENDS OF THE SHEATHING OVERLAP AT LEAST 2 INCHES, AND THE BERM RETAINS ITS SHAPE WHEN WALKED UPON.
- BERM SHOULD BE BUILT ALONG THE CONTOUR AT ZERO PERCENT GRADE OR AS NEAR AS POSSIBLE.
- THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE AND THE BERM SHOULD BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROL.

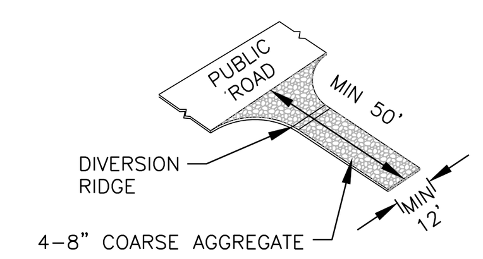
COMMON TROUBLE POINTS:
- INSUFFICIENT BERM HEIGHT OR LENGTH (RUNOFF QUICKLY ESCAPES OVER THE TOP OR AROUND THE SIDES OF BERM)
- BERM NOT INSTALLED PERPENDICULAR TO FLOW LINE (RUNOFF ESCAPING AROUND ONE SIDE)

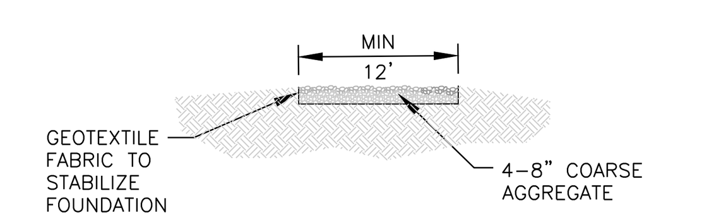
INSPECTION AND MAINTENANCE GUIDELINES:
- INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL BY THE RESPONSIBLE PARTY. FOR INSTALLATIONS IN STREAMBEDS, ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE.
- REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT IN AN APPROVED MANNER THAT WILL NOT CAUSE ANY ADDITIONAL SILTATION.
- REPAIR ANY LOOSE WIRE SHEATHING.
- THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION.
- THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
- THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT REMOVED.

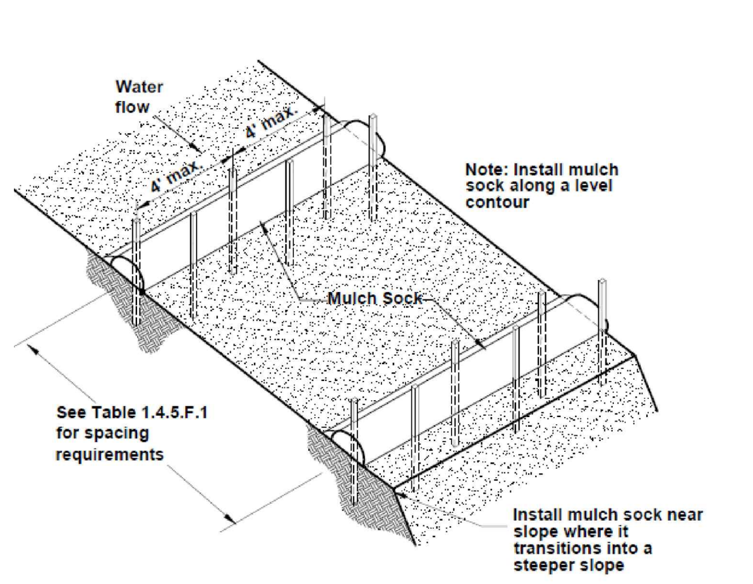
STABILIZED CONSTRUCTION ENTRANCE

INSTALLATION:
1. AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.
2. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12' OR THE FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER.
3. THE CONSTRUCTION ENTRANCE SHOULD BE 50' LONG.
4. IF THE SLOPE TOWARD THE ROAD EXCEEDS 2%, CONSTRUCT A RIDGE, 6-8" HIGHT WITH 3:1 (H:V) SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.
5. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY, ESPECIALLY WHERE WET CONDITONS ARE ANTICIPATED.
6. PLACE STONE TO DIMENSION AND GRADE SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE.
7. INSTALL A PIPE UNDER PAD AS NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.

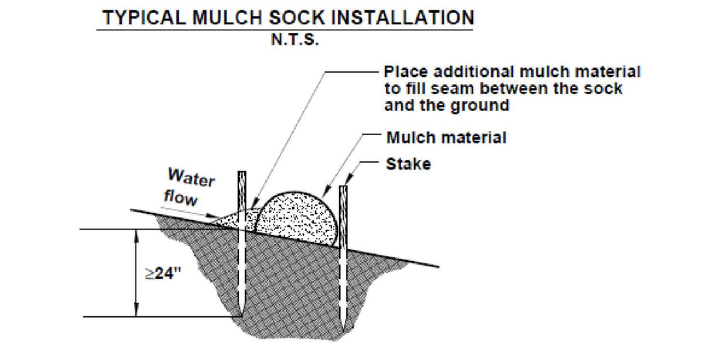
MAINTENANCE: INSPECT WEEKLY. REPLACE STONE AS NECESSARY TO PREVENT TRACKING OFF-SITE.







TYPICAL MULCH SOCK INSTALLATION
N.T.S.



MULCH SOCK
N.T.S.

MULCH SOCKS MY BE INSTALLED IN PLACE OF PROPOSED SILT FENCING AT CONTRACTOR'S DISCRETION. MULCH SOCK TO REMAIN IN PLACE UNTIL FINAL BMP IS INSTALLED, STABILIZED, AND REVEGETATED.

APPENDIX Q-2
IMPERVIOUS COVER

SUBURBAN WATERSHEDS

NOTE: Q1 TABLES ARE NOT REQUIRED FOR SUBURBAN WATERSHEDS

IMPERVIOUS COVER ALLOWED AT ______ % X GROSS SITE AREA = 119.325 ACRES

ALLOWABLE IMPERVIOUS COVER BREAKDOWN BY SLOPE CATEGORY

TOTAL ACREAGE 15 - 25 % = 9 X 10 % = 0.9

PROPOSED TOTAL IMPERVIOUS COVER

TOTAL PROPOSED IMPERVIOUS COVER = 11.48 ACRES = 10 %

PROPOSED IMPERVIOUS COVER ON SLOPES

SLOPE CATEGORIES	ACRES	IMPERVIOUS COVER: BUILDING/ AND OTHER IMPERVIOUS COVER ACRES	% OF CATEGORY	DRIVEWAYS/ ROADWAYS ACRES
0 - 15 %	104	10.7	10%	0.78
15 - 25 %	9			
25 - 35 %	3			
OVER 35 %	3			
TOTAL SITE AREA	119			

Source: Rule No. R161-14.23, 9-2-2014 .

TRAVIS COUNTY DEVELOPMENT PERMIT
BARR LANE TRACT

	Acres	Square Feet	Percentage
Total Area of the Site	119.33	5,197,798	--
Impervious Cover	12.24	450,584	8.67%

Reviewed By:

Travis County Transportation and Natural Resources **Date**

Development Permit Number **Date**

Travis County Revision Block (cover sheet):

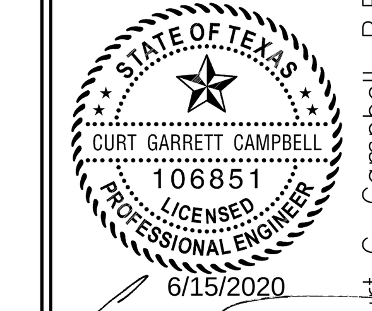
No.	Revision Description	Reviewed By:	Date

IMAGE:	N/A
ISSUE DATE:	06/15/2020
DRAWN BY:	JJS
CHECKED BY:	CGC
SCALE: 1" =	NTS
JOB NO.:	11034-008

SHEET NO.: **17** OF 17

WESTWARD
Environmental. Engineering. Natural Resources.
P.O. Box 2205 Boerne, Texas 78006
(830) 249-8284 Fax: (830) 249-0221
TBPE REG. NO.: F-4524
TBPG REG. NO.: 50112

REV.	DESCRIPTION	BY	DATE



Curt G. Campbell, P.E.
License No. 106851

GENERAL NOTES
SITE PLAN APPLICATION – BARR LANE TRACT
CAPITAL CITY CRUSHING, LLC
10506 BARR LN. AUSTIN, TRAVIS COUNTY, TX