

C:\Users\Sandlin Services LLC\Google Drive\Sandlin Services Projects\Land Development Division\2019-202 Blue Goose\CAD\Construction Sheets\5 Blue Goose\Land.dwg-COVER PAGE Plotted Oct 19, 2020 at 12:11pm by Sandlin Services LLC | Last Saved by Sandlin Services LLC

CONTACTS

OWNER:

AUSTEX AGGREGATES, LLC
3721 CR 239
Georgetown, TX 78633

ENGINEER:

SANDLIN SERVICES, LLC
4501 WHISPERING VALLEY DR. UNIT#27
AUSTIN, TEXAS 78727
(800)679-7303
CONTACT: NICHOLAS SANDLIN, P.E.

LAND SURVEYOR:

TRIAD SURVEYING, INC.
PO BOX 1489
ROCKDALE, TX 76576
512-446-3457

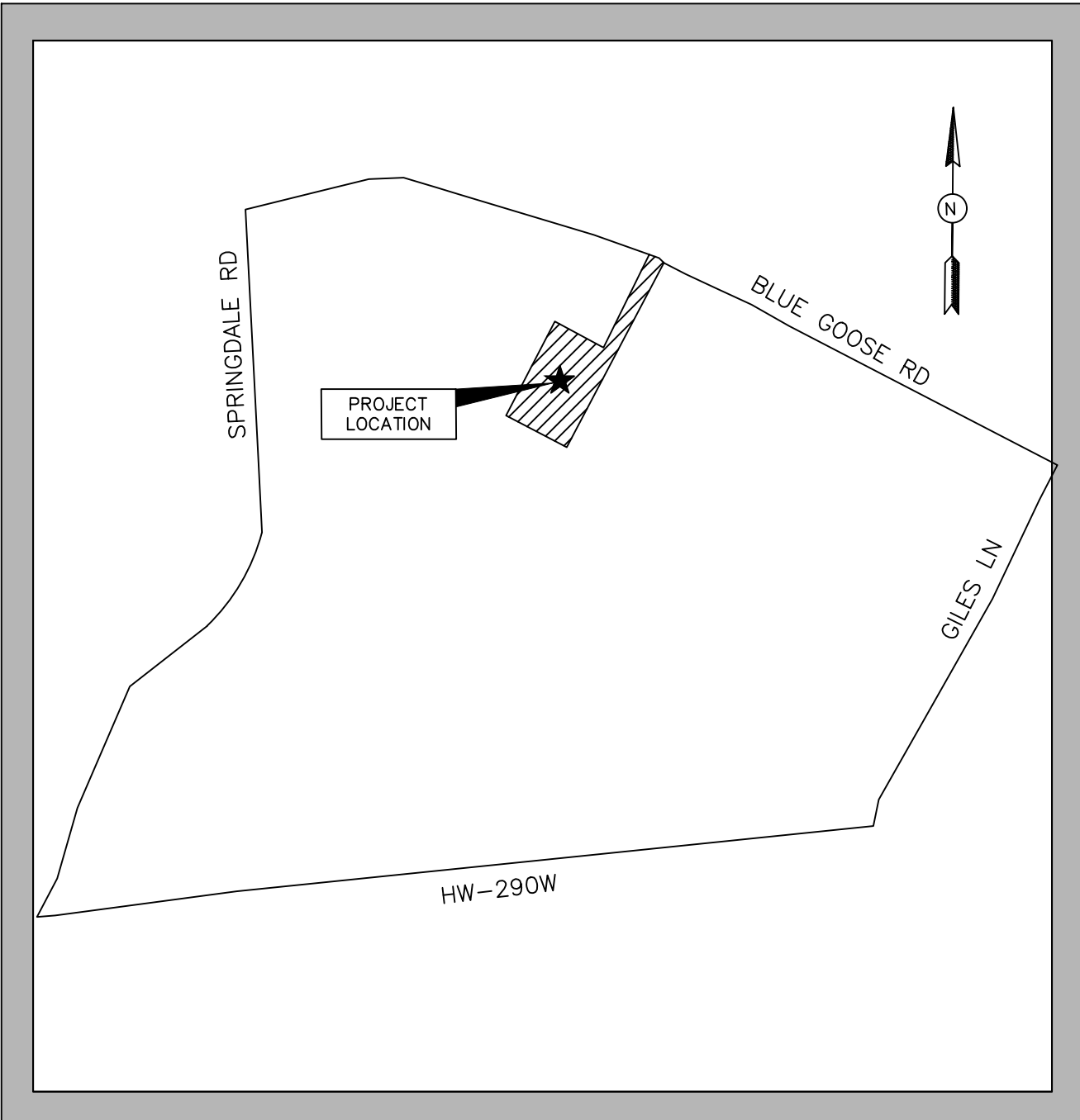
BLUE GOOSE MATERIALS
SITE GRADING AND DRAINAGE CONSTRUCTION PLANS

ADDRESS:
5505 BLUE GOOSE RD.
TRAVIS COUNTY, TEXAS 78754

- NOTES:
- ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
 - THIS SITE IS LOCATED WITHIN TRAVIS COUNTY WITHIN THE CITY OF AUSTIN ETJ AND TRAVIS COUNTY.
 - RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION, AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY, AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.
 - ACCORDING TO THE NATIONAL FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO 48453C0460K, DATED 01/6/2016, THIS TRACT LIES WITHIN ZONE X, AREAS DETERMINED TO BE OUTSIDE OF THE 500 YEAR FLOODPLAIN.
 - THE CONTRACTOR OR SURVEYOR WILL OBTAIN A DIGITAL COPY OF THE CAD FILES THAT REPRESENT THESE IMPROVEMENTS; SANDLIN SERVICES, LLC AND IT'S ASSOCIATES TAKE NO RESPONSIBILITY FOR THE LOCATION OF THESE IMPROVEMENTS IN ANY COORDINATE SYSTEM. DIGITAL FILES USED TO PRODUCE THESE PLANS WERE PARTIALLY CREATED BY PARTIES OTHER THAN SANDLIN SERVICES, LLC AND ARE NOT INTENDED FOR USE IN CONSTRUCTION STAKING. VERTICAL AND HORIZONTAL DATA SHALL BE INDEPENDENTLY VERIFIED BY CONTRACTOR'S R.P.I.S.
 - SANDLIN SERVICES, LLC HAS ENDEAVORED TO DESIGN THESE PLANS COMPLIANT WITH ADA/TDLR AND OTHER ACCESSIBILITY REQUIREMENTS. HOWEVER, THE CONTRACTOR SHALL NOT BE RELIEVED OF ANY RESPONSIBILITY FOR CONSTRUCTING THESE IMPROVEMENTS COMPLIANT WITH ALL APPLICABLE ACCESSIBILITY STANDARDS. IF THE CONTRACTOR NOTICES ANY DISCREPANCIES BETWEEN THESE PLANS AND ACCESSIBILITY LAWS/RULES, HE IS TO STOP WORK IN THE AREA OF CONFLICT AND NOTIFY THE ENGINEER IMMEDIATELY FOR A RESOLUTION AND/OR REVISION TO THESE PLANS. SANDLIN SERVICES, LLC SHALL NOT BE HELD RESPONSIBLE FOR CONSTRUCTING THIS SITE COMPLIANT WITH ACCESSIBILITY LAWS/RULES REGARDLESS OF WHAT IS SHOWN IN THESE PLANS.

BENCHMARK NOTE:
ALL ELEVATIONS SHOWN HEREON ARE BASED ON THE FOLLOWING BENCHMARKS AND INFORMATION.
BENCHMARK NOTES:
A TRIANGLE CUT ON THE EAST END OF A CULVERT HEADWALL ON THE SOUTH SIDE OF BLUE GOOSE RD. 1.13 MI. WEST OF GILES RD. EL: 593.12
CONTACT SURVEYOR PRIOR TO SETTING ELEVATION CONTROL FOR MORE DATA.

CONTRACTOR NOTES:
BY THE ACT OF SUBMITTING A BID FOR THIS PROPOSED CONTRACT, THE BIDDER WARRANTS THAT THE BIDDER, AND ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS HE INTENDS TO USE, HAVE CAREFULLY AND THOROUGHLY REVIEWED THE DRAWINGS, SPECIFICATIONS AND ALL OTHER CONTRACT DOCUMENTS AND HAVE FOUND THEM COMPLETE AND FREE FROM ANY AMBIGUITIES AND SUFFICIENT FOR THE PURPOSE INTENDED. THE BIDDER FURTHER WARRANTS THAT TO THE BEST OF HIS OR HIS SUBCONTRACTORS' AND MATERIAL SUPPLIERS' KNOWLEDGE, ALL MATERIALS AND PRODUCTS SPECIFIED OR INDICATED HEREIN ARE ACCEPTABLE FOR ALL APPLICABLE CODES AND AUTHORITIES.
THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAS BEEN BASED UPON RECORD INFORMATION ONLY AND MAY NOT MATCH LOCATIONS AND/OR DEPTHS AS CONSTRUCTED. THE CONTRACTOR SHALL CONTACT THE AUSTIN AREA "ONE CALL" SYSTEM 1-800-245-4545, OR THE OWNER OF EACH INDIVIDUAL UTILITY, FOR ASSISTANCE IN DETERMINING EXISTING UTILITY LOCATIONS AND DEPTHS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL UTILITY CROSSINGS PRIOR TO BEGINNING ANY CONSTRUCTION.
ENVIRONMENTAL INSPECTION HAS THE AUTHORITY TO MODIFY/CHANGE EROSION AND SEDIMENTATION CONTROLS TO KEEP THE PROJECT IN COMPLIANCE.



PROJECT LOCATION MAP
N.T.S.

Sheet List Index	
Sheet Number	Sheet Title
1	COVER PAGE
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5	EXISTING DRAINAGE AREA MAP
6	PROPOSED DRAINAGE AREA MAP
7	SITE PLAN 1 OF 2
8	SITE PLAN 2 OF 2
9	GRADING PLAN
10	WATER QUALITY AND DETENTION POND 1 OF 2
11	WATER QUALITY AND DETENTION POND 2 OF 2
12	DETENTION POND DETAILS
13	DRAINAGE & CONSTRUCTION DETAILS

APPROVED BY: _____ DATE _____

TRAVIS COUNTY T.N.R. _____

TRAVIS COUNTY PERMIT NUMBER _____

CITY OF AUSTIN DEVELOPMENT SERVICES DEPARTMENT _____

COA PERMIT NUMBER _____

TRAVIS COUNTY FIRE MARSHAL _____

DATE OF SUBMITTAL: 8/24/2020
WATERSHED: WALNUT CREEK (SUBURBAN)
FEMA PANEL: 48453C0460K
TRACT SIZE: 29.00 ACRES
CITY OF AUSTIN GRID: P29
MAPSCO PAGE NUMBER: 527R
LANDUSE ZONING: NONE (ETJ)
TOTAL BUILDING SF: 200 SF
TOTAL EXISTING IMPERVIOUS COVER: 26,528 SF
TOTAL PROPOSED IMPERVIOUS COVER: 118,825 SF
(EXISTING AND PROPOSED IMPERVIOUS COVER 11.50% OF TOTAL PROPERTY)
LIMITS OF CONSTRUCTION: 5.3 AC
LEGAL DESCRIPTION:
29.00 AC OF LAND, MORE OR LESS, OUT OF THE LUCAS MUNOS SURVEY NO. 55, ABSTRACT NO. 513 IN TRAVIS COUNTY, TEXAS
SITE NOTES:
THIS SITE LIES OUTSIDE OF THE EDWARDS AQUIFER RECHARGE ZONE.
JURISDICTION: CITY OF AUSTIN 2 MILE ETJ (TRAVIS COUNTY)
WATER QUALITY CONTROLS NOT PROVIDED FOR IMPERVIOUS PERCENTAGE OF LESS THAN 20% (EXISTING AND PROPOSED 11.50% OF TOTAL PROPERTY)
UTILITIES
AUSTIN ENERGY (NO NEW SERVICE PROPOSED WITH THIS SITE PLAN)
NO WASTEWATER PROPOSED
NO WATER PROPOSED

*APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. APPROVAL BY OTHER GOVERNMENT ENTITIES MAY BE REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE APPLICANT IS RESPONSIBLE FOR DETERMINING WHAT ADDITIONAL APPROVALS MAY BE NECESSARY.

CORRECTIONS RECORD							
NO.	DESCRIPTION	REVISE (R) ADD (D) VOID (V) SHEET NO.'s	TOTAL # SHEETS IN PLAN SET	NET CHANGE IMP. COVER (sq.ft.)	TOTAL SITE IMP. COVER (sq.ft.)/%	APPROVAL/ DATE	DATE IMAGED



CITY APPROVAL

SITE PLAN RELEASE

FILE NUMBER: _____ EXPIRATION DATE: _____
CASE MANAGER: _____ APPLICATION DATE: MARCH 31, 2020
APPROVED ADMINISTRATIVELY ON: _____
APPROVED BY PLANNING COMMISSION ON: _____
APPROVED BY CITY COUNCIL ON: _____
Under Section 112 Chapter 25-5 Of The Austin City Code

Director, Development Services Department
DATE OF RELEASE: _____ Zoning: GR-MU-CO-NP
Rev 1 _____ Correction 1 _____
Rev 2 _____ Correction 2 _____
Rev 3 _____ Correction 3 _____

REV. NO.	BY	DATE	REVISION DESCRIPTION	SHEET
				1
				OF 14

THIS PLAN SET FOR REVIEW ONLY.
NOT FOR CONSTRUCTION.

WARNING !!! CONTRACTOR TO FIELD VERIFY ALL EXIST. UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. THE CONTRACTOR IS TO CONTACT ENGINEER IF ANY EXISTING UTILITY INFORMATION DIFFERS FROM DATA SHOWN IN THE PLANS. CALL 811 BEFORE YOU DIG.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT TYPE AND LOCATION OF ALL UTILITIES AFFECTED BY CONSTRUCTION OF THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES. THE CONTRACTOR SHALL a) IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES, AND b) PAY FOR SAME AT NO EXTRA COST TO THE OWNER.

2. CONTRACTOR SHALL TELEPHONE "ONE-CALL" SYSTEM @ 1-800-344-8377 FOR EXISTING UTILITY LOCATIONS BEFORE BEGINNING CONSTRUCTION.

3. BEFORE BEGINNING ACTUAL EXCAVATION AND CONSTRUCTION OPERATION THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING FACILITIES IN THE AREA SO THESE COMPANIES CAN DETERMINE IF THE PROPOSED CONSTRUCTION WILL INTERFERE WITH THEIR FACILITIES. CONTRACTOR SHALL CONTACT THE FOLLOWING UTILITIES AT A MINIMUM:

1. CITY OF AUSTIN WATER AND WASTEWATER UTILITY
2. CITY OF AUSTIN ELECTRIC UTILITY
3. AUSTIN GAS COMPANY
4. AT&T TELEPHONE COMPANY

4. ALL EXCAVATION FOR THIS PROJECT SHALL BE UNCLASSIFIED.

5. THE BIDDER (CONTRACTOR AFTER AWARD) SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY UNREPORTED OBSTACLES OR DISCREPANCIES THAT MAY IMPEDE OR PREVENT THE PROPER CONSTRUCTION OF THIS PROJECT.

6. THE CONTRACTOR SHALL MAINTAIN CLEAR PASSAGE FOR LOCAL TRAFFIC AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

7. ALL WORK AND MATERIAL MUST MEET THE APPLICABLE CITY OF AUSTIN STANDARD SPECIFICATIONS AND CITY OF AUSTIN STANDARDS, LATEST REVISIONS.

8. CONTRACTOR/REPAIR CREW MUST NOTIFY CITY INSPECTOR AT LEAST TWENTYFOUR (24) HOURS PRIOR TO BEGINNING PERMANENT BACK FILL OPERATIONS.

9. BACK FILL DENSITY SHALL BE AS SPECIFIED IN ITEM 510 OF THE STANDARD SPECIFICATIONS. TEST METHODS SHALL BE AS SPECIFIED IN THE CITY STANDARD SPECIFICATIONS UNLESS INDICATED OTHERWISE IN WRITING BY THE ENGINEER.

10. HOT MIX ASPHALTIC CONCRETE (H.M.A.C.), WHEN REQUIRED, SHALL BE FURNISHED AND PLACED IN ACCORDANCE WITH ITEM 340 OF THE STANDARD SPECIFICATIONS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS FOR CUTS IN PUBLIC RIGHT OF WAY.

11. FLEXIBLE BASE SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH ITEM 210 OF THE STANDARD SPECIFICATIONS AND IN COMPLIANCE WITH THE CITY OF AUSTIN STANDARDS AND STANDARD SPECIFICATIONS FOR CUTS IN PUBLIC RIGHT OF WAY.

12. CONTRACTOR SHALL NOT ALLOW TRAFFIC ON NEWLY PLACED CONCRETE FOR AT LEAST 72 HOURS UNLESS OTHERWISE APPROVED IN ADVANCE BY THE ENGINEER.

13. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO PROTECT ROADWAY FACILITIES AT ALL TIMES.

14. WHERE REMOVAL OF BASE AND PAVEMENT IS NECESSARY FOR THIS PROJECT ALL BASE AND PAVEMENT SHALL BE REPLACED IN COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, CITY'S STANDARD SPECIFICATIONS AND STANDARD SPECIFICATIONS FOR CUTS IN PUBLIC RIGHT OF WAY. ALL PAVEMENT CUTS SHALL BE SAW CUT PRIOR TO PLACEMENT OF H.M.A.C.

15. ALL WATER AND WASTEWATER SYSTEM IMPROVEMENTS, UTILITY CHANGES AND UTILITY RELOCATIONS MUST BE IN ACCORDANCE TO CITY OF AUSTIN WATER AND WASTEWATER SYSTEM DESIGN CRITERIA AND SPECIFICATIONS. ALL WATER AND WASTEWATER PLANS MUST BE PRESENTED TO THE CITY OF AUSTIN WATER AND WASTEWATER UTILITY REVIEW AND APPROVAL. ALL WATER AND WASTEWATER CONSTRUCTION MUST BE INSPECTED BY THE CITY OF AUSTIN.

16. CONTRACTOR SHALL PROVIDE TEMPORARY DRIVEWAY ACCESS FOR ALL PROPERTY OWNERS ADJACENT TO CONSTRUCTION AREAS EXCEPT DURING PERIODS WHEN CONSTRUCTION IN THE AREA WOULD MAKE ACCESS UNSAFE. EMERGENCY ACCESS SHALL BE IMMEDIATELY PROVIDED TO DRIVEWAYS DURING CONSTRUCTION ON AN AS-NEEDED BASIS.

17. SLOPES OF ROADWAY CUTS AND EMBANKMENTS DAMAGED BY ANY OPERATION OF THE CONTRACTOR DURING THE EXECUTION OF THIS PROJECT SHALL BE REPAIRED AND RESTORED TO THE ORIGINAL PRE-CONSTRUCTION CONDITION IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS, BACK FILL AND FILL PLACED DURING REMEDIAL GRADING SHALL BE CONTRACTED TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE ORIGINAL CONDITIONS AND TO THE SATISFACTION OF THE ENGINEER AND GOVERNING AUTHORITIES.

18. NO EXPLOSIVES SHALL BE USED FOR THIS PROJECT WITHOUT A BLASTING PERMIT FROM THE CITY OF AUSTIN.

19. CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A SAFE, NEAT AND WORKMANLIKE MANNER AT ALL TIMES. JOB SITE SAFETY SHALL NOT BE COMPROMISED, ANY UNATTRACTIVE NUISANCE SHALL BE REMOVED OR CAMOUFLAGED BY CONTRACTOR WHEN DIRECTED BY THE OWNER OR ENGINEER.

20. CONTRACTOR SHALL NOTIFY CONSTRUCTION INSPECTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION AT 974-7180 TO A) ARRANGE A PRE-CONSTRUCTION MEETING NOT LESS THAN FOURTEEN (14) DAYS PRIOR TO BEGINNING CONSTRUCTION, B) NOTIFY INSPECTOR FORTY-EIGHT (48) HOURS IN ADVANCE OF BEGINNING ANY CONSTRUCTION IN THE R.O.W. OR IN EASEMENTS, C) NOTIFY INSPECTOR TWENTY-FOUR (24) HOURS IN ADVANCE OF MAKING ANY SUPPLEMENTARY CONNECTION OR CLOSING OFF ANY WATER AND WASTEWATER SERVICES TO PROPERTY OWNER.

21. BEFORE DISCONNECTING ANY WATER LINE OR GAS LINE, CONTRACTOR MUST PROVIDE TWENTY-FOUR (24) HOUR NOTICE TO THE OWNER EXCEPT IN THE CASE OF A BONA FIDE EMERGENCY.

22. ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, WARNING SIGNS, AND FLAG MEN OPERATIONS SHALL BE PLACED, CONSTRUCTED, EXECUTED AND MAINTAINED IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUDOT), THE CITY OF AUSTIN STANDARD SPECIFICATION SERIES 800, THE CITY OF AUSTIN TRANSPORTATION CRITERIA MANUAL. IF A CONFLICT ARISES, THEN THE SERIES 800 SPECIFICATIONS SHALL CONTROL UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.

23. WHERE PORTABLE SIGNS REQUIRE THE USE OF WEIGHTS, SANDBAGS SHALL BE USED. THE USE OF SOLID OBJECTS SUCH AS CONCRETE, ROCKS, IRON, ETC. SHALL NOT BE PERMITTED.

24. INSTALLATION OF CONSTRUCTION BARRICADING AND SIGNING SHALL BE COORDINATED THROUGH THE TRANSPORTATION ENGINEERING AND SIGNALS DIVISION OF THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION AT 974-7024.

25. ALL TRAFFIC CONTROL SIGNS SHALL REMAIN IN PLACE UNLESS OTHERWISE SHOWN ON THE PLANS. IF SIGNS REQUIRE RELOCATION, CONTRACTOR SHALL CONTACT THE TRANSPORTATION ENGINEERING AND SIGNALS DIVISION OF THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION AT 974-7024.

26. CONTRACTOR MUST RESTORE ALL PAVEMENT MARKINGS DISTURBED DURING CONSTRUCTION. CONTRACTOR SHALL OBSERVE ALL APPLICABLE MATERIALS, SPECIFICATIONS, AND INSTALLATION REQUIREMENTS INCLUDING SPECIAL ATTENTION TO MAINTAINING PROPER DIMENSIONS AND ALIGNMENT.

27. ALL HOLES, TRENCHES, AND OTHER HAZARDOUS AREAS SHALL BE ADEQUATELY PROTECTED BY BARRICADES, FENCING, LIGHTS, AND/OR OTHER PROTECTIVE DEVICES AT ALL TIMES.

28. CONTRACTOR SHALL NOTIFY PRINCIPLES OF EACH OF THE FOLLOWING ENTITIES OF THE CONSTRUCTION SCHEDULE AT LEAST TWO WEEKS IN ADVANCE OF PROPOSED CONSTRUCTION OPERATIONS.

- A. AUSTIN FIRE DEPARTMENT
- B. AUSTIN POLICE DEPARTMENT
- C. AUSTIN INDEPENDENT SCHOOL DISTRICT
- D. CAPITAL METRO TRANSPORTATION
- E. U.S. POSTAL SERVICE

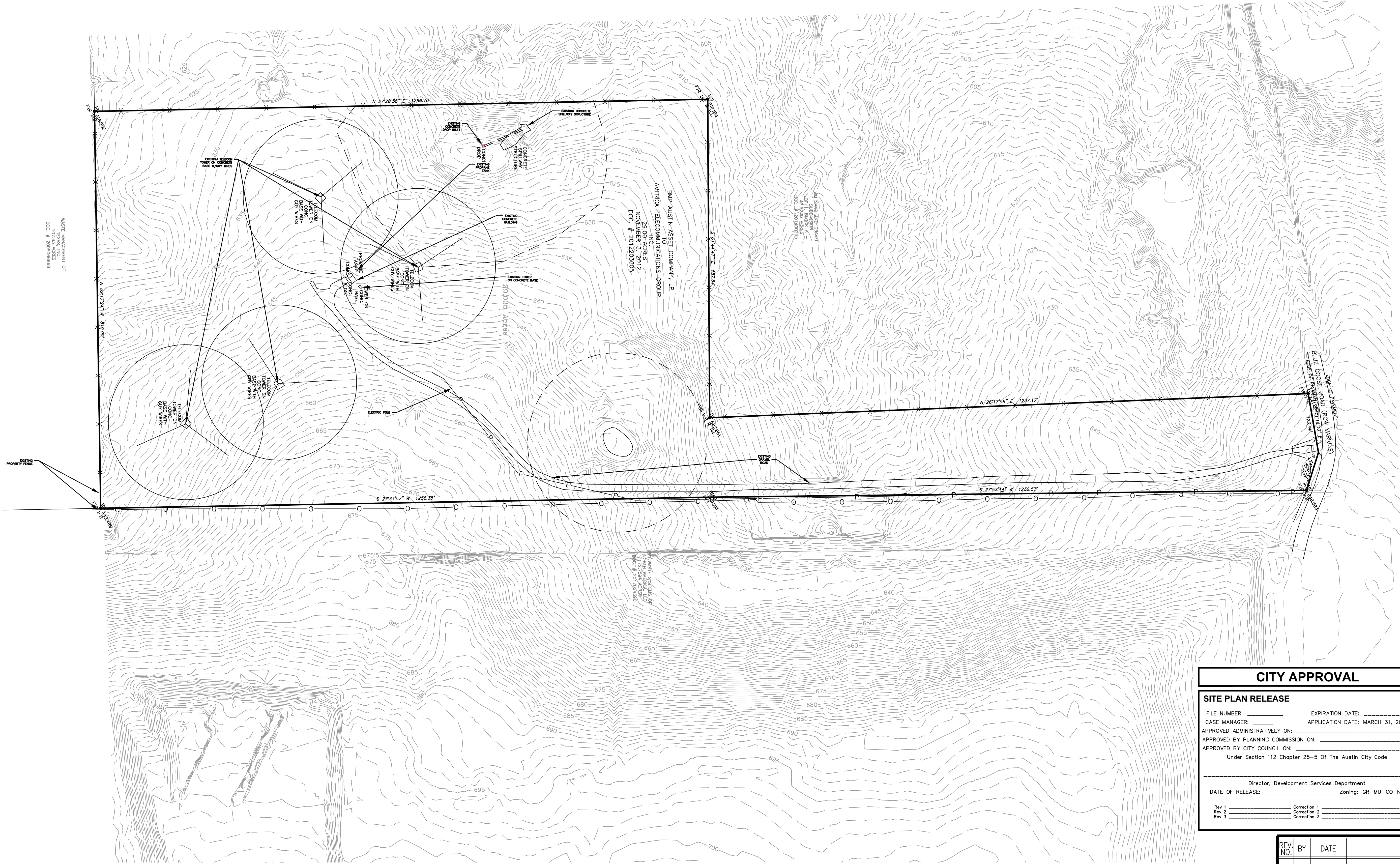
29. REMOVAL OF EXCAVATED MATERIALS AND DAILY CLEANUP OPERATIONS SHALL BE PERFORMED TO THE SPECIFICATIONS AND TO THE SATISFACTION OF THE OWNER AND ENGINEER.

30. UNATTENDED TRENCHES MUST BE COVERED WITH STEEL PLATES CAPABLE OF SUPPORTING VEHICULAR TRAFFIC. THESE STEEL PLATES MUST BE ADEQUATELY ANCHORED TO PREVENT THEM FROM BECOMING DISLOADED.

31. ALL CONSTRUCTION AND TRENCHING OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE.

32. CONTRACTOR SHALL MAINTAIN A SUPERINTENDENT UPON THE PROJECT AT ALL TIMES WORK IS IN PROGRESS.

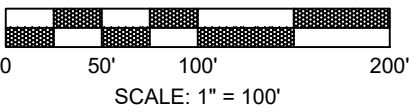
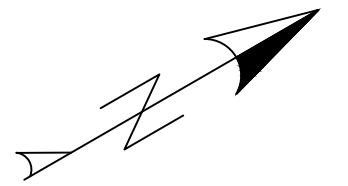
REVISION DESCRIPTION	SHEET
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THIS PLAN SET FOR REVIEW ONLY.
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TBPELS FIRM #21356
4501 WHISPERING VALLEY DRIVE UNIT 27 AUSTIN, TX 78727

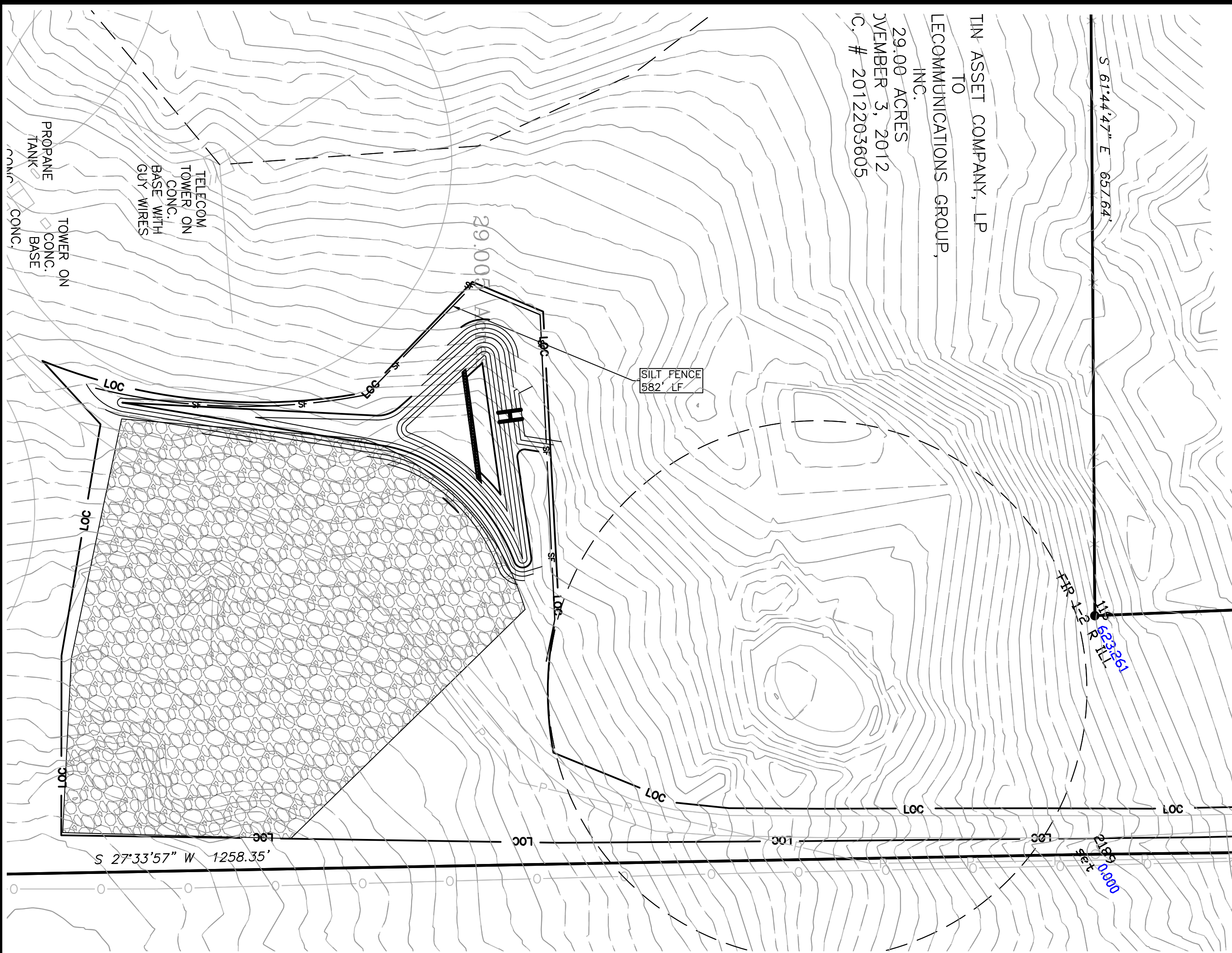
EXISTING CONDITIONS

BLUE GOOSE
MATERIALS

CASE: 2020-26-SDP DATE: 8-21-2020

CITY APPROVAL	
SITE PLAN RELEASE	
FILE NUMBER: _____	EXPIRATION DATE: _____
CASE MANAGER: _____	APPLICATION DATE: MARCH 31, 2020
APPROVED ADMINISTRATIVELY ON: _____	
APPROVED BY PLANNING COMMISSION ON: _____	
APPROVED BY CITY COUNCIL ON: _____	
Under Section 112 Chapter 25-5 Of The Austin City Code	
Director, Development Services Department	
DATE OF RELEASE: _____ Zoning: GR-MU-CO-NP	
Rev 1 _____	Correction 1 _____
Rev 2 _____	Correction 2 _____
Rev 3 _____	Correction 3 _____

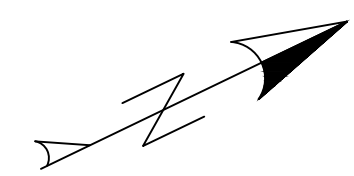
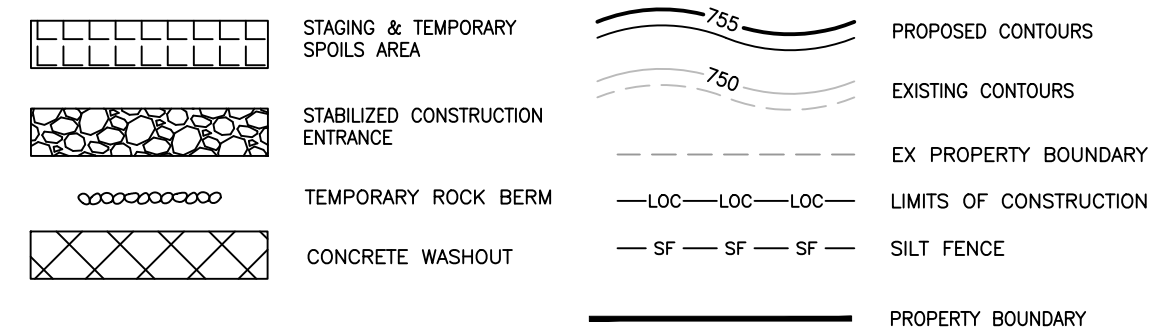
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RESTORATION NOTES:

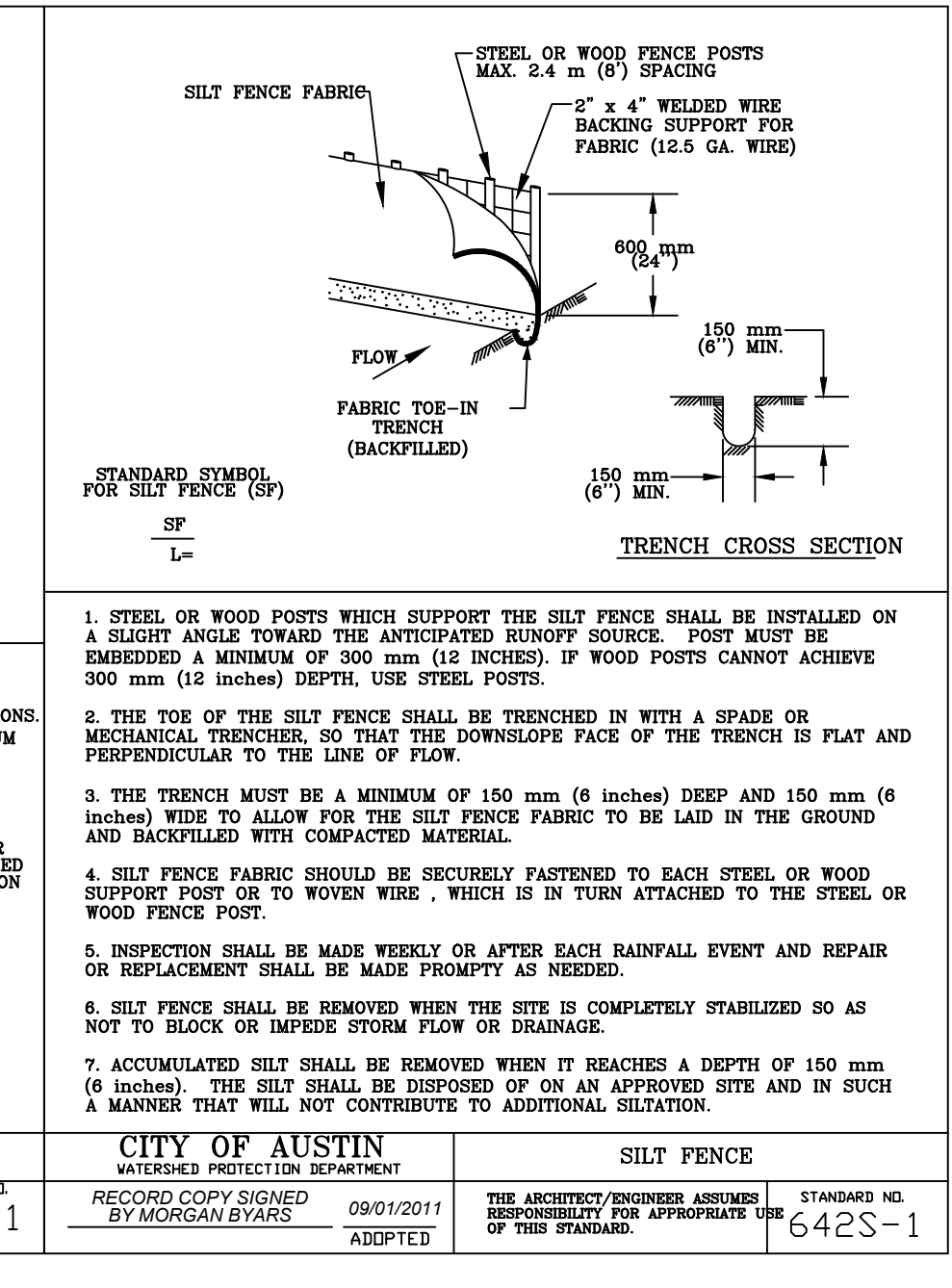
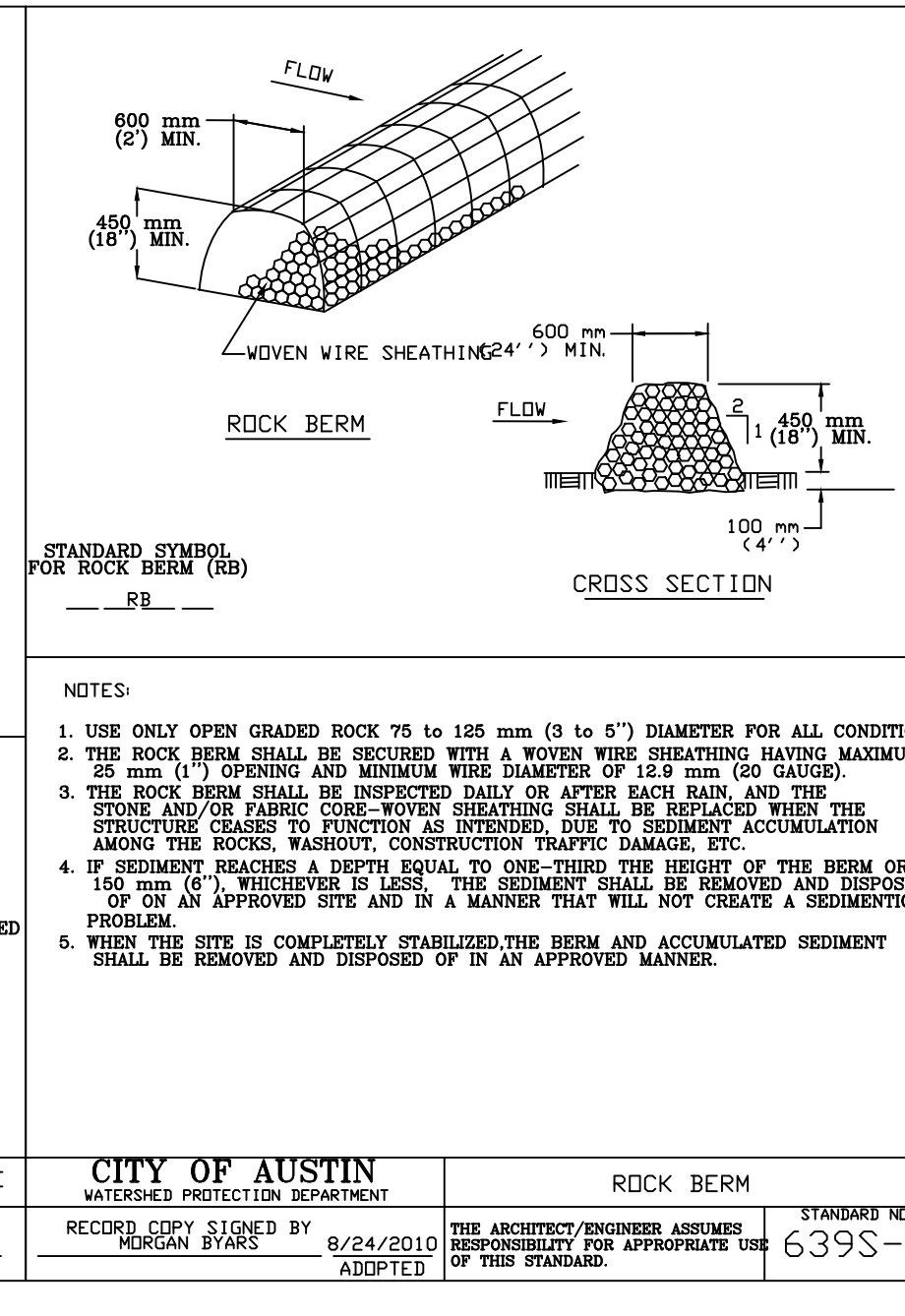
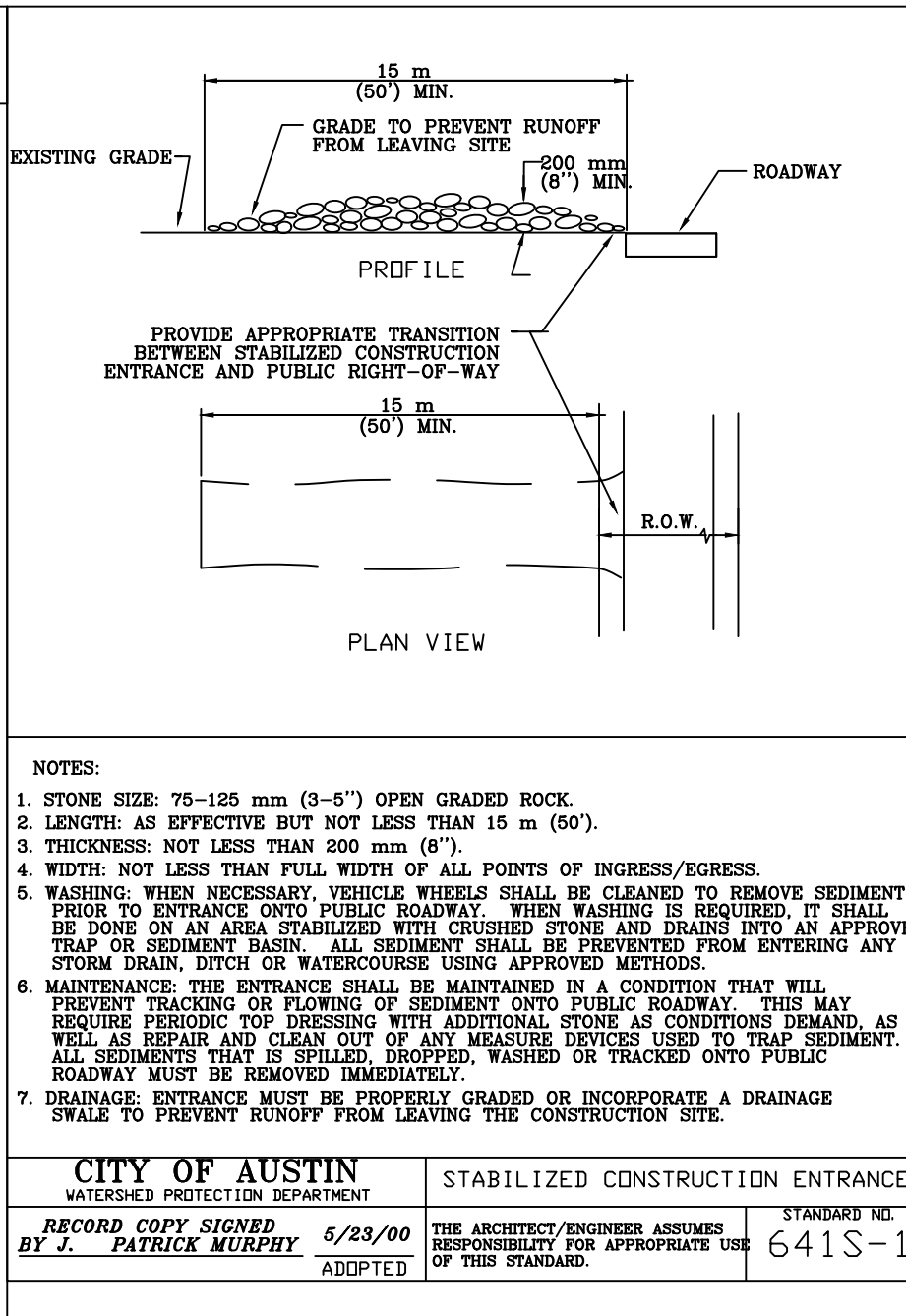
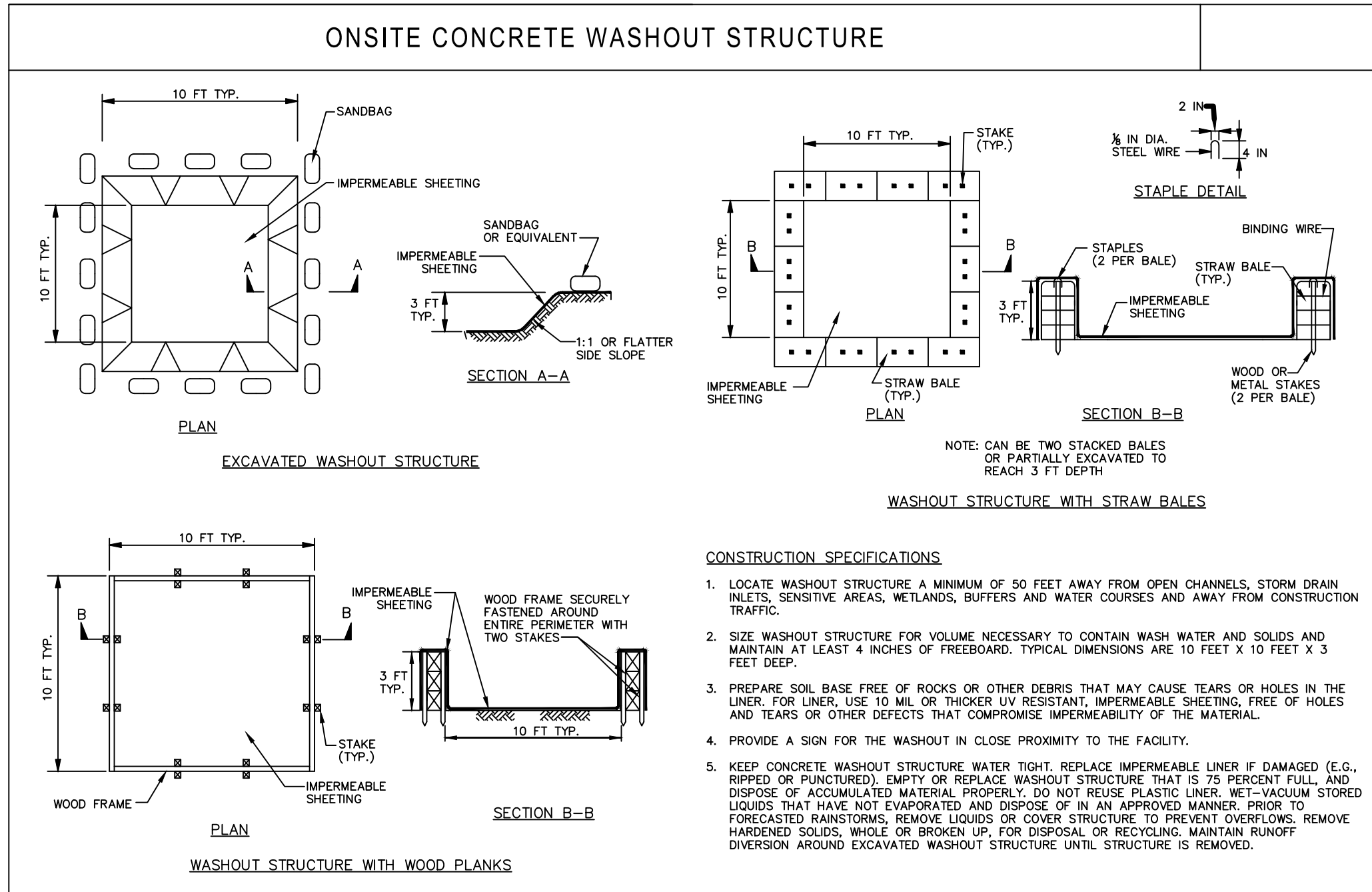
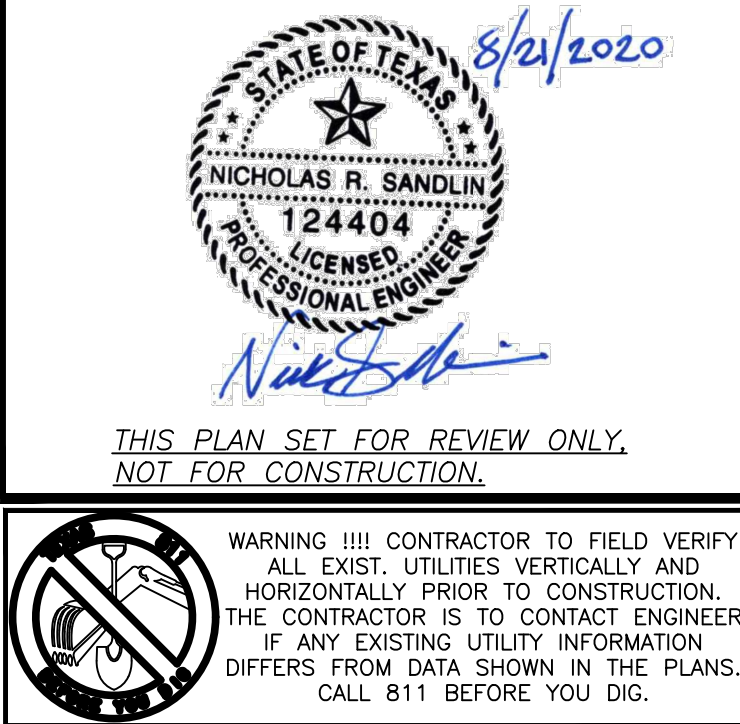
1. INITIATE PERMANENT STABILIZATION IMMEDIATELY ONCE WORK HAS CEASED AND FINAL GRADE HAS BEEN ACHIEVED IN ANY GIVEN AREA.
2. THE FINAL STABILIZATION/REVEGETATION EFFORTS SHALL BE IN ACCORDANCE WITH THE APPROVED RESTORATION PLAN DETAILS AND SPECIFICATIONS.
3. ALL 3:1 SLOPES OR STEEPER REQUIRE SOIL RETENTION BLANKET (SRB).
4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE WATERING/IRRIGATION TO ACHIEVE THE PERMANENT STABILIZATION REQUIREMENTS IN ALL DISTURBED/REVEGETATED AREAS BEFORE FINAL ACCEPTANCE FOR THIS PROJECT CAN BE OBTAINED.
5. ALL DISTURBED/BARE AREAS WILL REQUIRE PERMANENT STABILIZATION BEFORE FINAL ACCEPTANCE CAN BE ACHIEVED. AVOID DISTURBING AREAS OF THE PROJECT THAT ARE NOT NECESSARY FOR CONSTRUCTION.
6. ANY DISTURBED AREA(S) NOT INDICATED TO BE RESTORED ON THE RESTORATION PLAN REQUIRES THE SAME EFFORTS AS THOSE INDICATED.
7. ALL DISTURBED AREAS MUST MEET THE REQUIREMENT FOR PERMANENT STABILIZATION.
8. THE NOTICE OF TERMINATION (NOT) FOR THIS PROJECT SHALL NOT BE SUBMITTED UNTIL THE TRAVIS COUNTY ENVIRONMENTAL INSPECTOR APPROVES CLEARANCE.

LEGEND



SCALE: 1" = 60'

IF DRAWING BAR DOES NOT MEASURE 2" THIS PRINT IS NOT TO SCALE



TO ESC NOTES:

1. ALL REQUIRED NOTICES AND PERMITS MUST BE PLACED IN A HIGHLY VISIBLE LOCATION ONSITE BEFORE THE COMMENCEMENT OF CONSTRUCTION.
2. ALL EROSION AND SEDIMENTATION CONTROLS (ESC) MUST BE INSTALLED PRIOR TO ANY DISTURBANCE TO THE PROJECT SITE.
3. INSTALL SILT FENCE ACCORDING TO RUN-ON DIVERSION OR OFFSITE SEDIMENT CONTROL DEPENDING ON UP OR DOWN SLOPE, FACING POST SIDE ON THE DOWN GRADIENT SIDE.
4. ALL ESC USED ONSITE MUST BE REGULARLY MONITORED AND MAINTAINED AS NEEDED. MUD AND OR DIRT TRACKED INTO THE ROADWAY MUST BE IMMEDIATELY REMOVED UPON DISCOVERY.
5. EXCESS MATERIALS THAT WILL BE TRANSPORTED TO AN OFFSITE LOCATION MUST HAVE THAT LOCATION CLEARED BY COUNTY INSPECTOR.
6. LOOSE TRASH AND DEBRIS MUST BE DISPOSED OF PROPERLY ONSITE.
7. CONTRACTOR SHALL MAINTAIN AND UTILIZE DUST CONTROL FOR THE DURATION OF THE PROJECT.
8. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING ONTO THE PUBLIC ROADWAY ON AN ONGOING/REGULAR BASIS.
9. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY UPON INLET INSTALLATION.
10. INITIATE TEMPORARY STABILIZATION WHEN CONSTRUCTION CEASES IN A DISTURBED AREA FOR 14 DAYS.
11. INITIATE PERMANENT STABILIZATION IMMEDIATELY ONCE WORK HAS CEASED AND FINAL GRADE HAS BEEN ACHIEVED.
12. ALL DISTURBED/BARE AREAS WILL REQUIRE PERMANENT STABILIZATION BEFORE FINAL ACCEPTANCE CAN BE ACHIEVED. AVOID DISTURBING AREAS OF THE PROJECT THAT ARE NOT NECESSARY FOR CONSTRUCTION.
13. COUNTY INSPECTOR MAY REQUEST ADDITIONAL CONTROLS BE INSTALLED ONSITE AS NEEDED.
14. TEMPORARY ESC'S SHALL REMAIN IN PLACE IN ALL DISTURBED AREAS UNTIL ADEQUATE STABILIZATION HAS BEEN ACHIEVED.
15. CONTRACTOR MUST REMOVE SEDIMENT FROM ALL STORM SEWER INLET BOXES, LINES, PIPES AND CULVERTS BEFORE CONDITIONAL/FINAL ACCEPTANCE CAN OBTAINED.
16. TRAVIS COUNTY REQUIRES CERTIFIED SWP3 INSPECTORS TO CONDUCT SWP3 INSPECTIONS AND REPORTING ON ALL PROJECTS WITH ONE ACRE OF DISTURBANCE AND LARGER.

NOTES:

1. LIMITS OF CONSTRUCTION 4.9 AC
2. ALL STAGING & STORAGE SHALL OCCUR WITHIN THE BOUNDARIES OF THE PROPERTY AND LIMITS OF CONSTRUCTION.
3. INSTALL EROSION CONTROLS PER PLAN. WITH THE APPROVAL OF THE ENVIRONMENTAL INSPECTOR, ADJUST AS NEEDED DURING CONSTRUCTION.
4. CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS FROM ALL EXISTING OR NEWLY PAVED SURFACES AT THE END OF CONSTRUCTION.
5. 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.]
6. THE 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]
7. 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.
8. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. [ECM 1.4.4.D.4]
9. TEMPORARY STAGING & STORAGE AREA/TEMPORARY SPOILS AREA IS TO BE USED DURING NORMAL WORK HOURS (7 A.M. TO 7 P.M.). ONCE CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS FROM AREA AND RESTORE TO ORIGINAL CONDITION OR BETTER.
10. ALL INLETS SHALL HAVE INLET PROTECTION IN PLACE UNTIL THE COMPLETION OF GRADING AND REVEGETATION.
11. IN AREAS WHERE SILT FENCE IS TO BE INSTALLED CROSSING CONTOURS, J-HOOKS SHALL BE ADDED TO THE SILT FENCE EVERY 100 FEET.
12. STABILIZATION OF ALL SLOPES 3:1 OR GREATER, SUITABLE MATTING (TYPE I) WILL BE UTILIZED IN CONJUNCTION WITH REVEGETATIVE EFFORTS ONSITE. CHANNEL STABILIZATION WILL USE TYPE II.
13. NO TREES EXIST WITHIN THE LIMITS OF CONSTRUCTION

CITY APPROVAL	
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Rev 1 _____	Correction 1 _____
Rev 2 _____	Correction 2 _____
Rev 3 _____	Correction 3 _____

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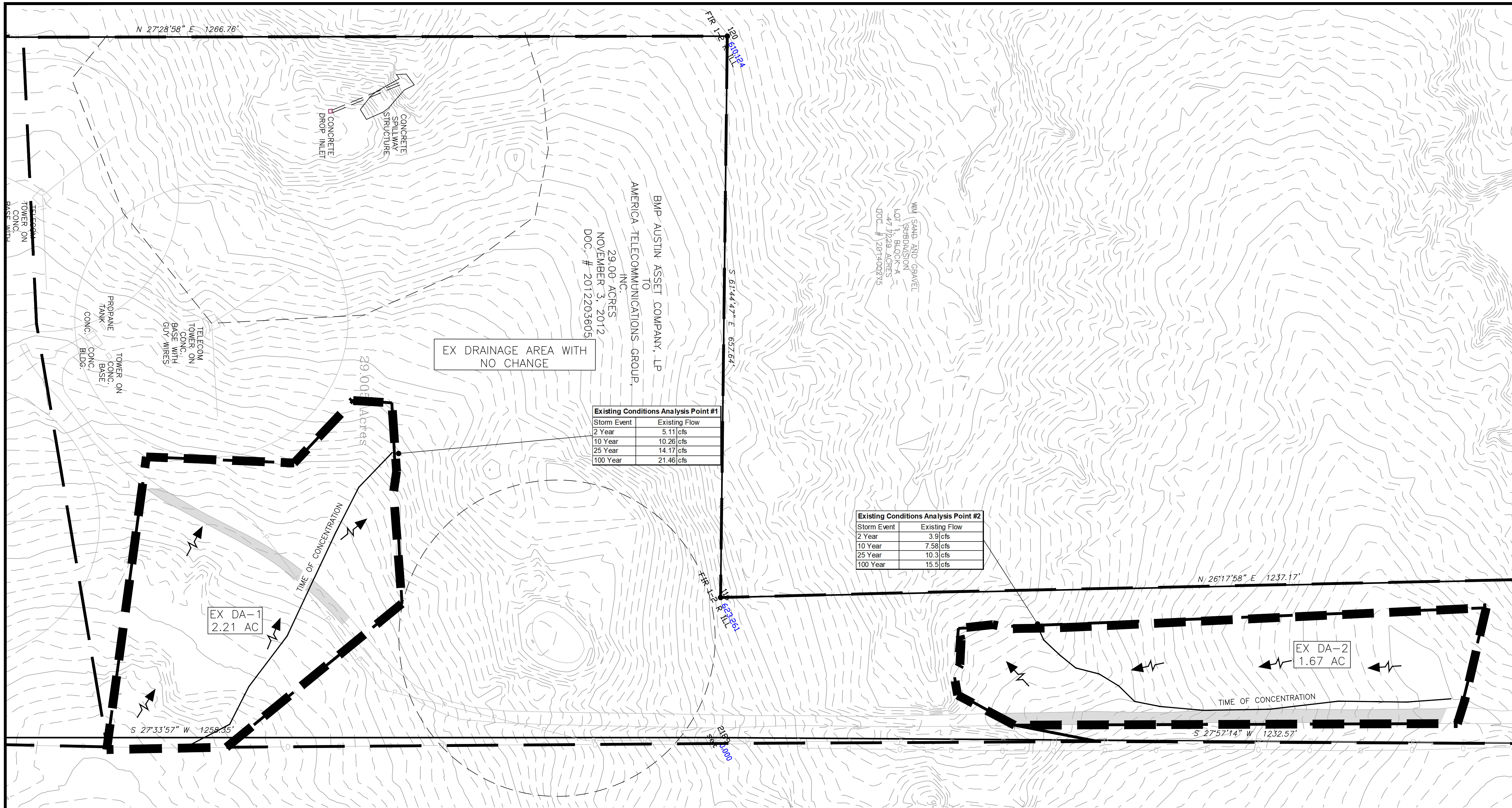
BP&S FIRM #21356
4501 WHISPERING VALLEY DRIVE UNIT 27 AUSTIN, TX 78727

EROSION & SEDIMENTATION
CONTROL PLAN

BLUE GOOSE
MATERIALS

CASE: 2020-26-SDP DATE: 8-21-2020

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Existing Conditions Analysis Point #1	
Storm Event	Existing Flow
2 Year	5.11 cfs
10 Year	10.26 cfs
25 Year	14.17 cfs
100 Year	21.46 cfs

Existing Conditions Analysis Point #2	
Storm Event	Existing Flow
2 Year	3.9 cfs
10 Year	7.58 cfs
25 Year	10.3 cfs
100 Year	15.5 cfs

CURVE NUMBER CALCULATED USING THE SCS METHOD - EXISTING CONDITIONS				
Drainage Basin	Drainage Area (sf)	Drainage Area (ac)	Impervious Area (sf)	I.C. (%)
EX DA-1	96,268	2.21	3,110	3.23%
EX DA-2	72,745	1.67	7,623	10.48%

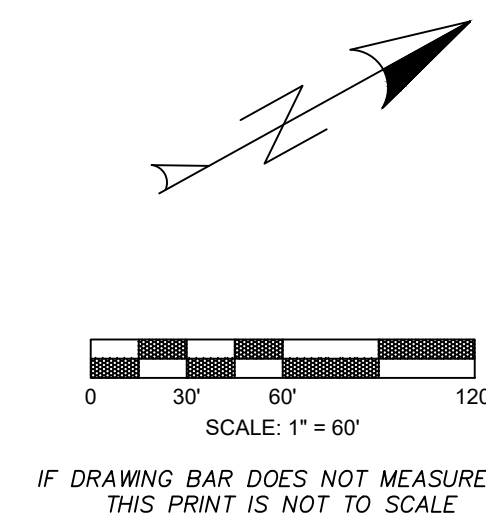
EXISTING "Tc" VALUE CALCULATIONS									
Drainage Area	Area (ac)	Sheet Flow				Shallow Concentrated Flow (Unpaved)			Total Allowed Tc (min)
		Length (ft)	Slope (ft/ft)	n	Tt (min)	Length (ft)	Slope (ft/ft)	Tt (min)	
EX DA-1	2.21 Ac.	100	0.068	0.15	5.80 min	509	0.062	2.11	7.91
EX DA-2	1.67 Ac.	100	0.020	0.15	9.41 min	464	0.060	1.95	11.36

Blue Goose Materials				
EXISTING POINT OF CONFLUENCE				
Design Scenario	Q ₂ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)
EX DA-1	5.11	10.26	14.17	21.46
EX DA-2	3.92	7.58	10.34	15.47

THIS PLAN SET FOR REVIEW ONLY.
NOT FOR CONSTRUCTION.

WARNING !!! CONTRACTOR TO FIELD VERIFY ALL EXIST. UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. THE CONTRACTOR IS TO CONTACT ENGINEER IF ANY EXISTING UTILITY INFORMATION DIFFERS FROM DATA SHOWN IN THE PLANS. CALL 811 BEFORE YOU DIG.

- LEGEND
- PROPERTY BOUNDARY
 - RIGHT OF WAY
 - STREET CENTERLINE
 - SIDEWALK
 - CURB AND GUTTER
 - PROPOSED CONTOURS
 - EXISTING CONTOURS
 - EXISTING PROPERTY LINE / ROW
 - EXISTING EASEMENT
 - PROPOSED ENGINEERED VEGETATIVE FILTER STRIP



CITY APPROVAL

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Rev 2 _____ Correction 2 _____
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4501 WHISPERING VALLEY DRIVE UNIT 27 AUSTIN, TX 78727

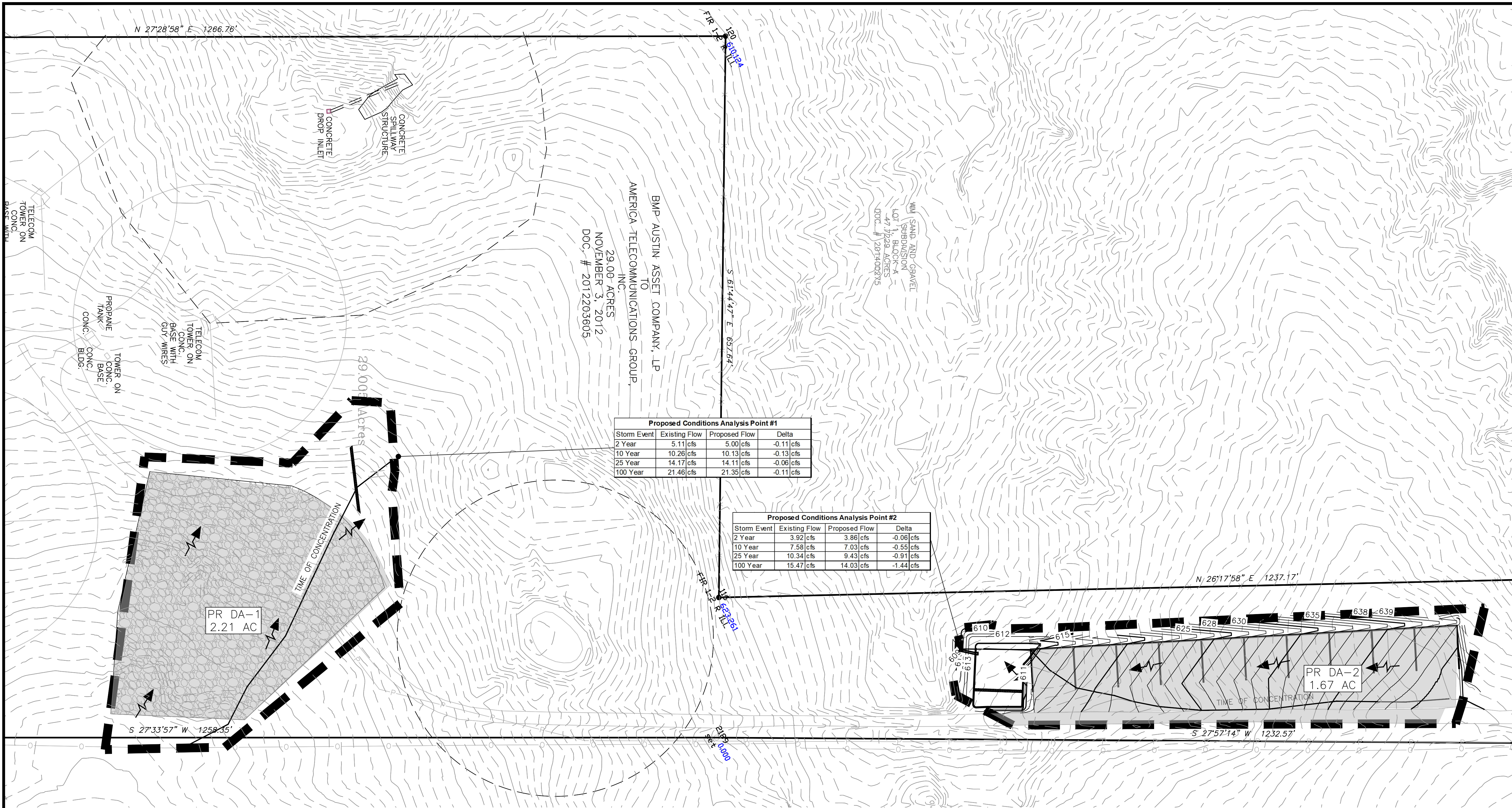
EXISTING DRAINAGE AREA MAP

BLUE GOOSE MATERIALS

CASE: 2020-26-SDP DATE: 8-21-2020

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C:\Users\Sandlin Services LLC\Google Drive\Sandlin Services Projects\Land Development Division\2019-202 Blue Goose\CAD\Construction Sheets\5 BGL PDAM.dwg-PROPOSED DRAINAGE AREA MAP Plotted Oct 19, 2020 at 2:11pm by Sandlin Services LLC | Last Saved by Sandlin Services LLC



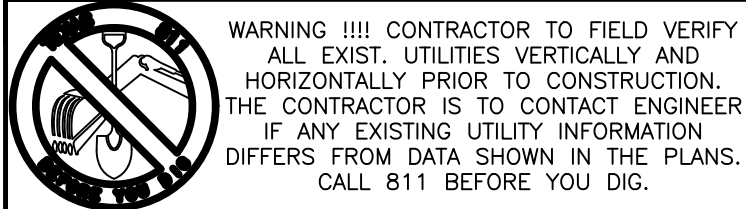
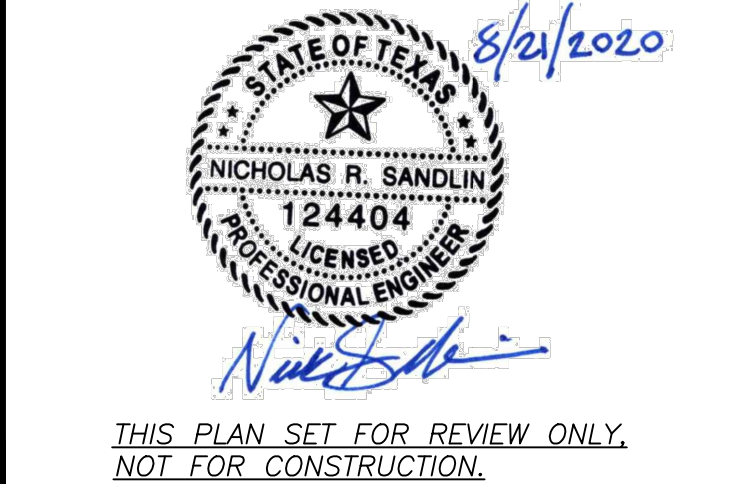
Proposed Conditions Analysis Point #1			
Storm Event	Existing Flow	Proposed Flow	Delta
2 Year	5.11 cfs	5.00 cfs	-0.11 cfs
10 Year	10.26 cfs	10.13 cfs	-0.13 cfs
25 Year	14.17 cfs	14.11 cfs	-0.06 cfs
100 Year	21.46 cfs	21.35 cfs	-0.11 cfs

Proposed Conditions Analysis Point #2			
Storm Event	Existing Flow	Proposed Flow	Delta
2 Year	3.92 cfs	3.86 cfs	-0.06 cfs
10 Year	7.58 cfs	7.03 cfs	-0.55 cfs
25 Year	10.34 cfs	9.43 cfs	-0.91 cfs
100 Year	15.47 cfs	14.03 cfs	-1.44 cfs

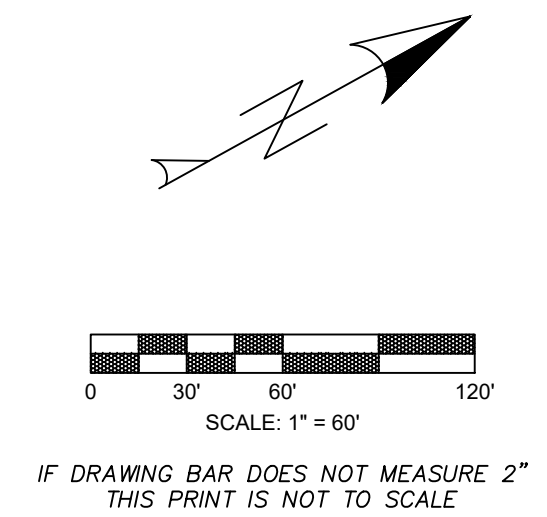
Blue Goose Materials				
CURVE NUMBER CALCULATED USING THE SCS METHOD - DEVELOPED CONDITIONS				
Drainage Basin	Drainage Area (sf)	Drainage Area (ac)	Impervious Area (sf)	I.C. (%)
PR DA-1	96,268	2.21	67,566	70.19%
PR DA-2	72,745	1.67	49,559	68.13%

DEVELOPED "Tc" VALUE CALCULATIONS										
Drainage Area	Area (ac)	Sheet Flow				Shallow Concentrated Flow			Total Allowed	
		Length (ft)	Slope (ft/ft)	n	Tt (min)	Length (ft)	Slope (ft/ft)	Tt (min)	Tc (min)	
PR DA-1	2.21 Ac.	100	0.068	0.08	3.53 min	509	0.062	2.11	5.63	
PR DA-2	1.67 Ac.	100	0.020	0.15	9.41 min	330	0.060	1.39	10.80	

Blue Goose Materials				
DEVELOPED POINT OF CONFLUENCE				
Design Scenario	Q ₂ (cfs)	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)
PR DA-1	5.00	10.13	14.11	21.35
PR DA-2	3.86	7.03	9.43	14.03



LEGEND	
	PROPERTY BOUNDARY
	RIGHT OF WAY
	STREET CENTERLINE
	SIDEWALK
	CURB AND GUTTER
	PROPOSED CONTOURS
	EXISTING CONTOURS
	EXISTING PROPERTY LINE / ROW
	EXISTING EASEMENT
	PROPOSED ENGINEERED VEGETATIVE FILTER STRIP



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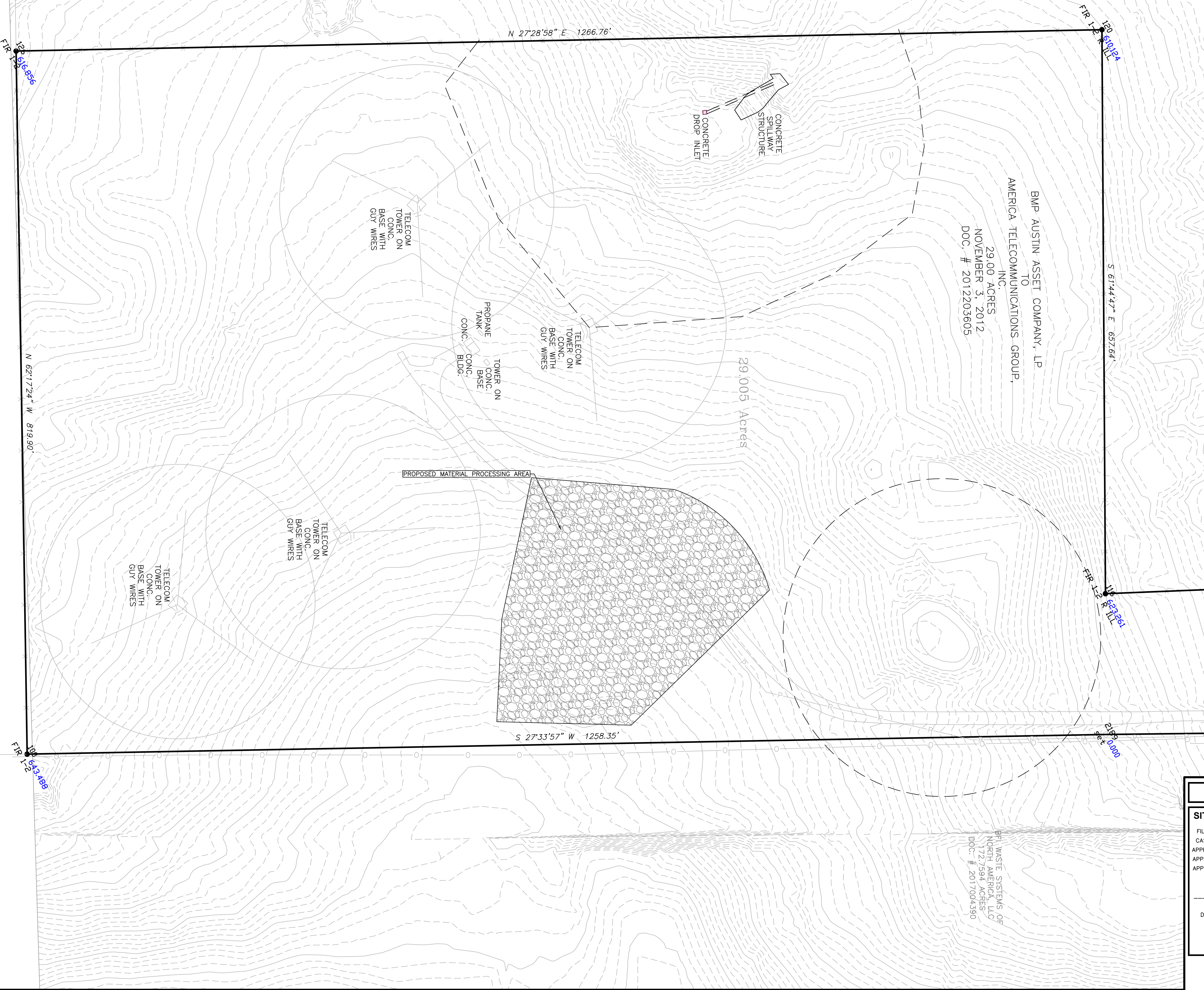
PROPOSED DRAINAGE
AREA MAP

BLUE GOOSE
MATERIALS

CASE: 2020-26-SDP DATE: 8-21-2020

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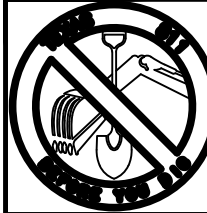
WASTE MANAGEMENT OF
TEXAS, INC.
107.63 ACRES
DOC. # 2005069868



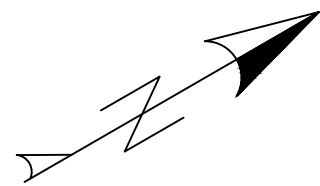
MATCHLINE SHEET 1 OF 2



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WARNING !!! CONTRACTOR TO FIELD VERIFY
ALL EXIST. UTILITIES VERTICALLY AND
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0 30 60 120'
SCALE: 1" = 60'

IF DRAWING BAR DOES NOT MEASURE 2"
THIS PRINT IS NOT TO SCALE

CITY APPROVAL

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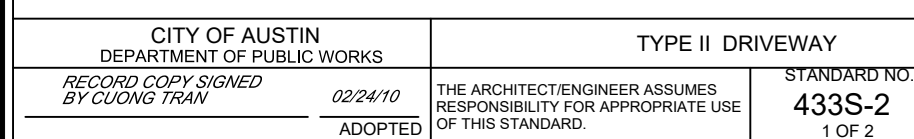
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SITE PLAN 1 OF 2

BLUE GOOSE
MATERIALS

CASE: 2020-26-SDP DATE: 8-21-2020

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DRIVEWAYS FOR PASSENGER VEHICLE PARKING LOTS	THICKNESS	REINFORCEMENT
ALL OTHERS	150 mm 6" MIN.	125 mm (5") MIN. CONCRETE WITH ONE LAYER OF 10M (#4) BARS PLACED ON CHAIRS AT MIDDPTH OF SLAB AT NO MORE THAN 450 mm (18") C/C BOTH DIRECTIONS
	175 mm 7" MIN.	125 mm (5") MIN. CONCRETE WITH ONE LAYER OF 10M (#4) BARS PLACED ON CHAIRS AT MIDDPTH OF SLAB AT NO MORE THAN 450 mm (18") C/C BOTH DIRECTIONS

SEE NOTE 10

ALLOWABLE GRADES	DRIVEWAY VOLUME (ADT)	D=GRADE CHANGE
<T500	STD	MAX
<500	0%	3%
<1000	0%	6%
<500	0%	6%

NOTES:

1. ALL TYPE I DRIVEWAYS SHALL HAVE RADIIUS ENDS.
2. DRIVEWAY WIDTHS AND RADII DIMENSIONS, ONE-WAY TRAVEL REQUIREMENTS, AND GEOMETRIC CURVES ARE HIGHLY VARIABLE. CONSULT WITH THE DESIGNER FOR SPECIFICATIONS AND REQUIREMENTS. SEE TRANSPORTATION CITERIA MANUAL SECTION 3 OF DRIVEWAYS.
3. THE DRIVEWAY EDGE SHALL BE SMOOTHLY TRANSITIONED INTO THE SIDEWALK TIE-IN LOCATION BEGINNING AT THE RADIIUS PC LINE.
4. "ZERO" CURBS AT RPT OR SIDEWALK EDGE, WHICHEVER IS ENCOUNTERED FIRST.
5. PLACE AN EXPANSION JOINT DOWN THE CENTER OF THE DRIVEWAY. ALL DRIVEWAYS AT INTERSECTIONS SHALL BE CONSTRUCTED WITH EXPANSION JOINTS.
6. IF THE DIMENSION IS LESS THAN 1.5 METERS (5 FEET), REMOVE CURBS AND GUTTER TO EXISTING JOINT AND POUR MONOLITHICALLY WITH DRIVEWAY.
7. IF THE BASE IS OVER-EXCAVATED WHERE THE CURBS AND GUTTER WERE REMOVED, BACKFILL WITH COMPACTED MONOLITHICALLY WITH DRIVEWAY.
8. TYPE I DRIVEWAYS ARE TO BE LOCATED NO CLOSER TO THE CORNER OF INTERSECTING RIGHT OF WAY THAN 50% OF PARCELS FRONTAGE AT 15% MIN. PRICHERS PER SIDE.
9. DRIVEWAY SHALL NOT BE CONSTRUCTED WITHIN THE CURB RETURN OF A STREET INTERSECTION.
10. WHILE THE PROPERTY OWNER REMAINS RESPONSIBLE FOR GRADE BREAKS WITHIN PRIVATE PROPERTY, THE FIRE DEPARTMENT SHALL BE CONSIDERED WHEN THE DRIVEWAY IS ESSENTIAL TO EMERGENCY VEHICLE ACCESS AND 10% IS GREATER THAN 15%.
11. USE 12 MM (1/2") ASPHALT BARS OR OTHER APPROVED MATERIAL FOR CURB AND GUTTER EXPANSION JOINTS. SIDEWALK, AT THE R.O.W. LINE AND AT MIDPOINT, SEE NOTES.
12. SEE TRANSPORTATION CRITERIA MANUAL, SECTION 3 FOR OTHER DRIVEWAY REQUIREMENTS.
13. THE SIDEWALK, REGARDLESS OF ITS LOCATION WITH RESPECT TO THE CURB OR PROPERTY LINE, SHALL BE CONNECTED TO THE DRIVEWAY AT THESE LOCATIONS.
14. WATER METER BOXES AND WASTEWATER CLEAN OUTS ARE PROHIBITED FROM BEING LOCATED IN DRIVEWAY AREAS.

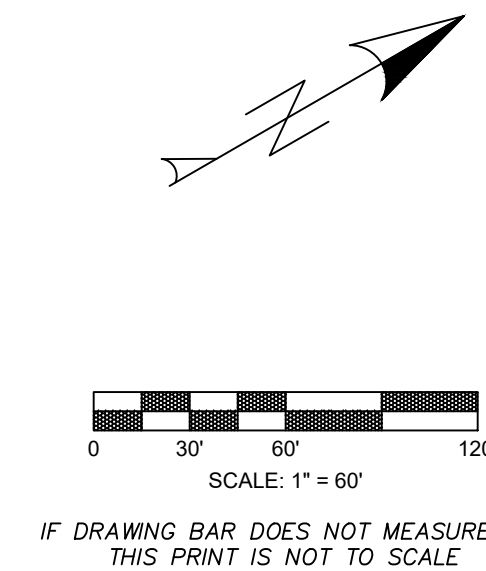
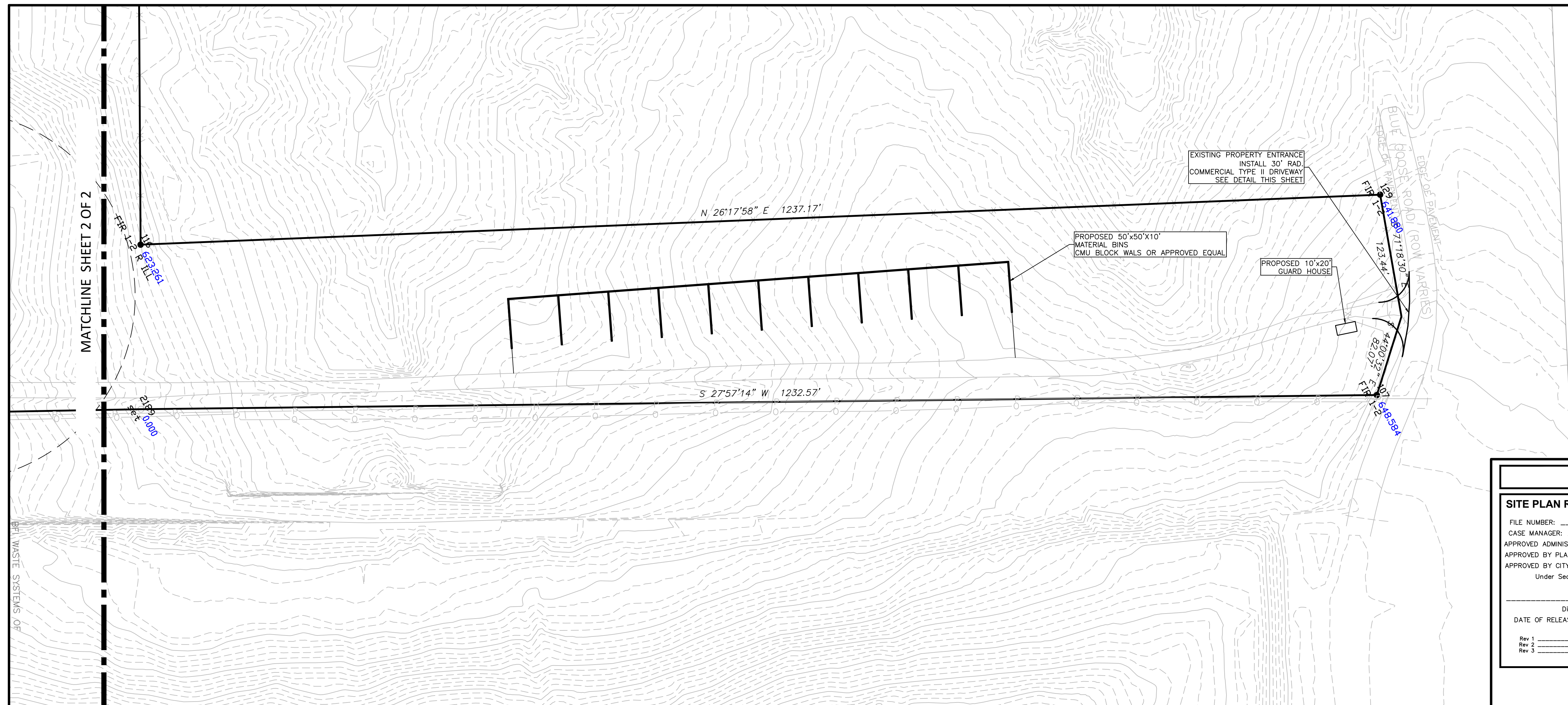
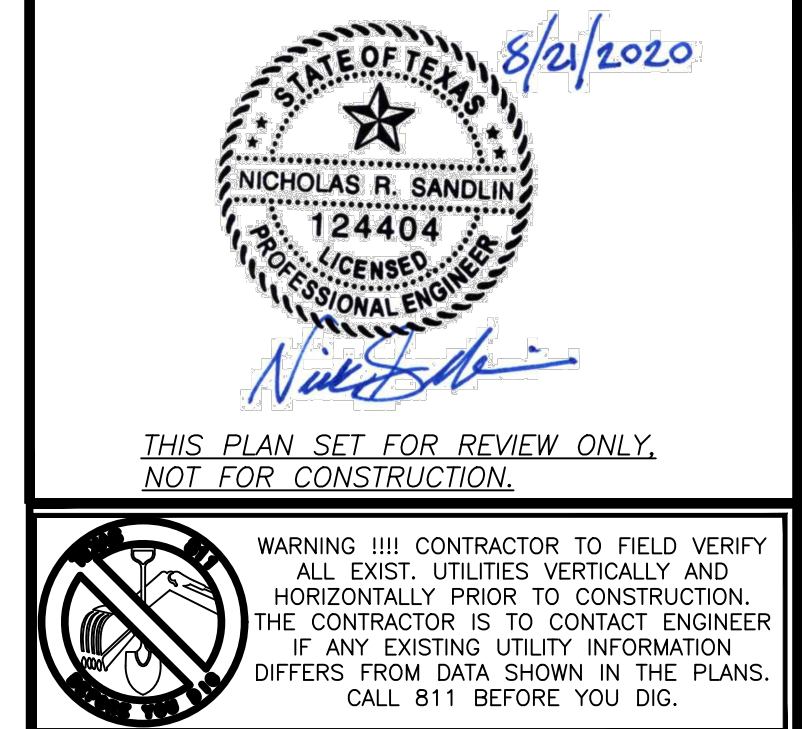
CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS

TYPE II DRIVEWAY

RECORD COPY SIGNED BY CIO/CDM TRC	02/24/10	THE ARCHITECT/ENGINEER ASSURES THE PROJECT WILL BE COMPLETED AT THIS STANDARD.	STANDARD NO. 4333-2
--	-----------------	---	---------------------------------------

Slopes Table					
Number	Minimum Slope	Maximum Slope	Color	SQ. FT.	ACRES
1	0.00%	15.00%		1174779.2	27.0
2	15.00%	25.00%		81689.7	1.9
3	25.00%	35.00%		10340.5	0.2
4	35.00%	100.00%		2652.9	0.1

27.0	3.338	12.36	0
1.9	0	0	0
0.2	0	0	0
0.1	0	0	0
29.00			



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APPENDIX R-3:
PARTIAL SEDIMENTATION/FILTRATION POND CALCULATIONS FOR DEVELOPMENT PERMITS
DRAINAGE AREA DATA

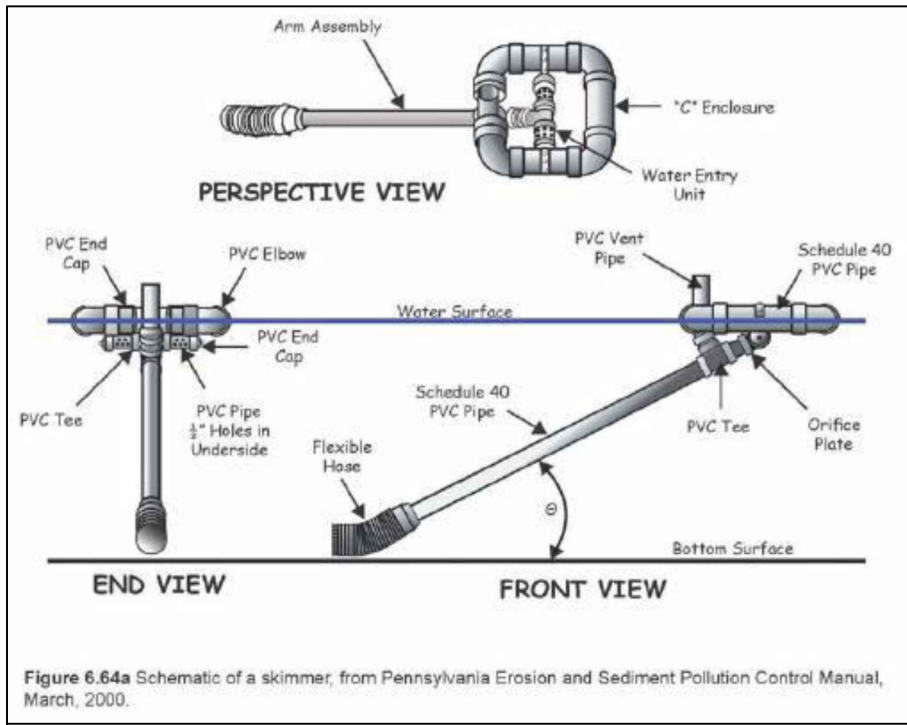
Drainage Area to Control (DA)	2.21	acres
Drainage Area Impervious Cover	70.19	%
Capture Depth (CD) = $(0.5^* ((IC-20)/100))$	1.00	inches

WATER QUALITY CONTROL CALCULATIONS

Pond #1		
The Water Quality Control is to be PARTIAL Sedimentation/Filtration		
25-year Peak Flow Rate to Control (Q25)	14.17	cfs
100-year Peak Flow Rate to Control (Q100)	21.42	cfs

	Required	Provided
Water Quality Volume ($WQV = CD * DA * 3630$)	8,037.2	4,278.5 c
Maximum Ponding Depth above Sand Bed (H)		1.0 ft
Sedimentation Pond Area		2,019.0 sf
Sedimentation Pond Volume (<i>minimum 20% of WQV</i>)	1,607.4	1,809.5 c
Filtration Pond Area ($WQV / (4+1.33*H)$)	1,507.9	1,984.0 sf
Filtration Pond Volume		2,469.0 c

Water Quality Elevation	647.0	ft msl
Elevation of Splitter/Overflow Weir (> WQ_{elev})	N/A	ft msl
Height of Gabion Wall ($WQ_{elev} - 0.5'$)	646.5	ft



FILTRATION POND #1 - DRAWDOWN CALCULATIONS						
Stage (ft amsl)	Storage (cf)	Head (ft)	Relative Volume (cf)	Time To Drain (hr)	Outflow Velocity (fps)	
645.00	0	1.00	0	0.00	0.00	
646.00	756	2.00	756	11.17	7.04	
647.00	4,279	3.00	3523	42.49	8.62	
Complete Drawdown Time				53.66		

*Elevation of Downstream WSE = 644 ft amsl
*Orifice Diameter (inches) = 0.70 in
*24-Hour Drawdown Volume = 1989.91 cf

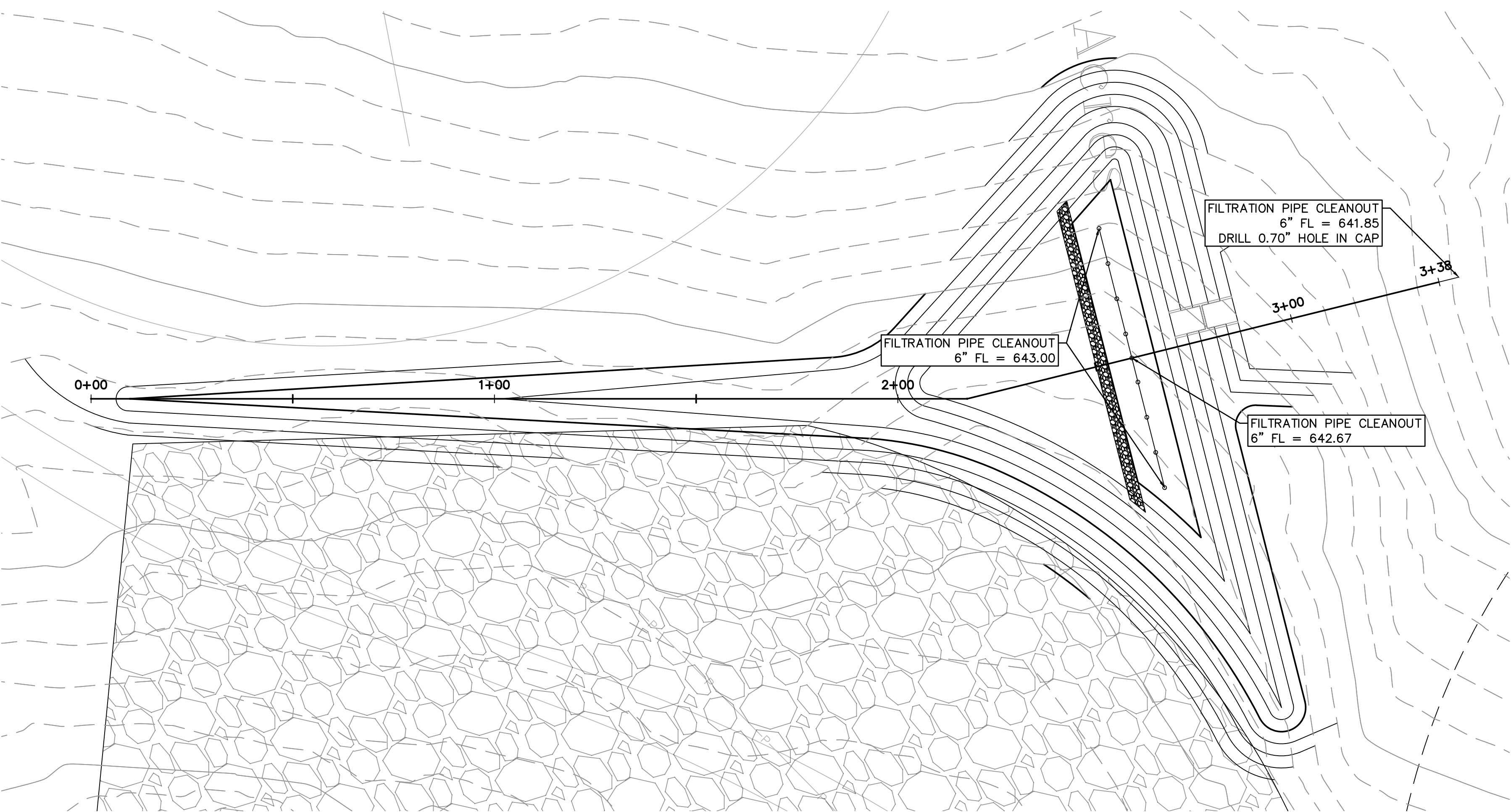
Blue Goose Materials					
DETENTION POND #1 STAGE-STORAGE					
Stage (ft msl)	Area (sf)	Area (acres)	Storage Incremental (cf)	Storage Cumulative (cf)	Storage Cumulative (ac-ft)
647.00	3,908	0.0897153	0	0	0.000
648.00	4,950	0.1136364	4,429	4,429	0.102
649.00	6,868	0.1576676	5,909	10,338	0.237

Blue Goose Materials					
DETENTION POND #1 ELEVATION-VOLUME					
Storm Event	Peak Flow In (cfs)	Peak Flow Out (cfs)	WSEL (ft msl)	Peak Storage (ac-ft)	
2-year	7.20	5.00	648.03	0.11	
10-year	12.40	10.13	648.38	0.15	
25-year	16.31	14.11	648.56	0.18	
100-year	23.64	21.35	648.85	0.22	

Sedimentation Pond:			
Stage (ft msl)	Area (sf)	Storage (cf)	Total (cf)
645.0	0	0	0
646.0	1,600.0	0.0	0.0
647.0	2,019.0	1,809.5	1,809.5

Filtration Pond:			
Stage (ft msl)	Area (sf)	Storage (cf)	Total (cf)
645.0	68.0	0.0	0.0
646.0	1,443.0	755.5	755.5
647.0	1,984.0	1,713.5	2,469.0

Total Water Quality:			
Stage (ft msl)	Area (sf)	Storage (cf)	Total (cf)
645.00	68	0.00	0.00
646.00	3,043	755.50	755.50
647.00	4,003	3523.00	4,278.50



GABION WALL NOTES:

- STONE: STONE FILL MATERIAL SHALL CONSIST OF HARD, DURABLE, CLEAN STONE OF THE SIZE INDICATED. 5 TO 8 INCHES IN SIZE OR AS APPROVED BY THE ENGINEER AND RESISTANT TO THE ACTION OF AIR AND WATER AND SUITABLE IN ALL RESPECTS FOR THE PURPOSE INTENDED.
- WIRE CONTAINERS: WIRE MESH SHALL CONSIST OF PLASTIC COATED (PVC) GALVANIZED WIRE 0.120 INCH IN DIAMETER MINIMUM AND SHALL EQUAL OR EXCEED FEDERAL SPECIFICATION QQ-W-481g CLASS 3 UNLESS OTHERWISE INDICATED. OPENING OF THE MESH SHALL NOT EXCEED APPROXIMATELY 4 INCHES IN THE LARGEST DIMENSION. THE WIRE MESH IS TO BE FABRICATED IN SUCH A MANNER AS TO BE NONRAVELING, TIE AND CONNECTING WIRE SHALL BE OF THE SAME TYPE AND SIZE AS THE BASKETS AND SHALL BE SUPPLIED IN SUFFICIENT QUANTITY FOR SECURELY FASTENING ALL EDGES OF GABION AND DIAPHRAGMS.
- FILTER FABRIC: FILTER FABRIC SHALL BE NON-BIODEGRADABLE ULTRAVIOLET STABILIZED, INERT TO MOST SOIL CHEMICALS, UNAFFECTED BY MOISTURE WHICH ALLOWS WATER TO PASS THROUGH WHILE RETAINING SOIL PARTICLES AND SHALL CONFORM TO ITEM NO. 620, "FILTER FABRIC".
- ALL POND BOTTOMS, SIDE SLOPES, AND EARTHEN EMBANKMENTS SHALL BE COMPACTED TO NINETY-FIVE (95) PERCENT MAXIMUM DENSITY, IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD SPECIFICATIONS.
- EXPANSION JOINTS ON FREE STANDING WALLS SHALL HAVE WATER TIGHT SEALS AS NEEDED.

POND NOTES:

- INSTALL 6" PERFORATED PVC PIPE AT 1.0% GRADE WITH CLEANOUTS AS SHOWN.
- POND SHALL BE PRIVATELY MAINTAINED.
- THE MAXIMUM SPACING FOR FILTRATION POND LATERALS SHOULD BE TEN (10) FEET BETWEEN LATERALS AND FIVE (5) FEET FROM A WALL OR SIDE.
- IN ADDITION, INSTALL A REMOVABLE PVC CAP WITH AN APPROPRIATELY SIZED ORIFICE AT THE END OF THE UNDERDRAIN PIPE IN ORDER TO PROVIDE A FORTY-EIGHT (48) HOUR DRAWDOWN TIME, TO ACCOUNT FOR SIGNIFICANT UNCERTAINTIES TO THE ACTUAL FILTRATION MEDIA HYDRAULIC CONDUCTIVITY OVER THE LIFE OF THE SYSTEM.

POND MAINTENANCE:

THE FOLLOWING MAINTENANCE ACTIVITIES SHALL BE PERFORMED ON ALL SCMS, IN ADDITION TO THE REQUIREMENTS LISTED FOR THE INDIVIDUAL SCM TYPES, TO ENSURE PROPER FUNCTION:
A) ACCUMULATED PAPER, TRASH AND DEBRIS SHALL BE REMOVED EVERY SIX (6) MONTHS OR AS NECESSARY TO MAINTAIN PROPER OPERATION.

B) STRUCTURAL INTEGRITY SHALL BE MAINTAINED AT ALL TIMES. BASINS AND ALL APPURTENANCES SHALL BE INSPECTED ANNUALLY, OR MORE FREQUENTLY IF SPECIFIED, AND REPAIRS SHALL BE MADE IF NECESSARY. WHEN MAINTENANCE OR REPAIRS ARE PERFORMED, THE SCM SHALL BE RESTORED TO THE ORIGINAL LINES AND GRADES.

C) CORRECTIVE MAINTENANCE SHALL OCCUR: I. ANY TIME DRAWDOWN OF THE WATER QUALITY VOLUME DOES NOT OCCUR WITHIN NINETY-SIX (96) HOURS (I.E., NO STANDING WATER IS ALLOWED), UNLESS A GREATER MAXIMUM DRAWDOWN TIME IS SPECIFIED IN THE PLANS. II. FOR DETENTION PONDS ONLY, ANY TIME DRAWDOWN DOES NOT OCCUR WITHIN TWENTY-FOUR (24) HOURS.

D) THE INLET AND OUTLET OF SCMS SHALL BE MAINTAINED UNIMPEDDED IN ORDER TO CONVEY FLOW AT ALL TIMES. OBSERVED BLOCKAGES TO THE INLET AND OUTLET, DUE TO VEGETATION, SEDIMENT, DEBRIS, OR ANY OTHER CAUSE, SHALL BE REMOVED.

E) NO UNVEGETATED AREA SHALL EXCEED TEN (10) SQUARE FEET. THIS PERFORMANCE REQUIREMENT APPLIES TO THE ENTIRE POND INCLUDING THE POND BOTTOM, SIDE SLOPES, AND AREAS ADJACENT TO THE POND, AND IS INTENDED TO LIMIT EROSION.

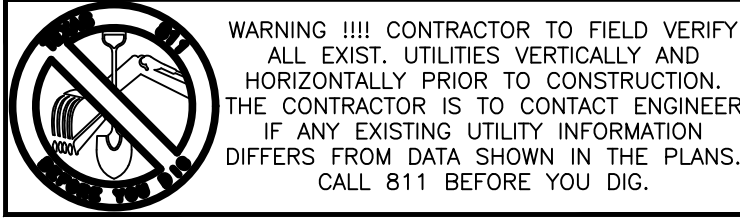
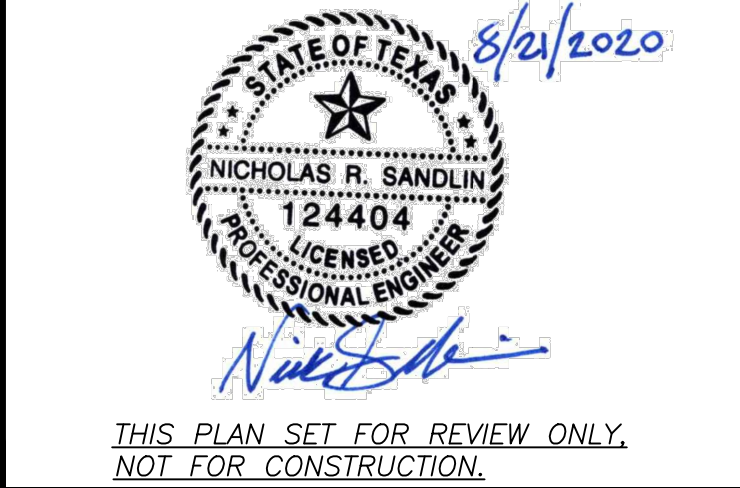
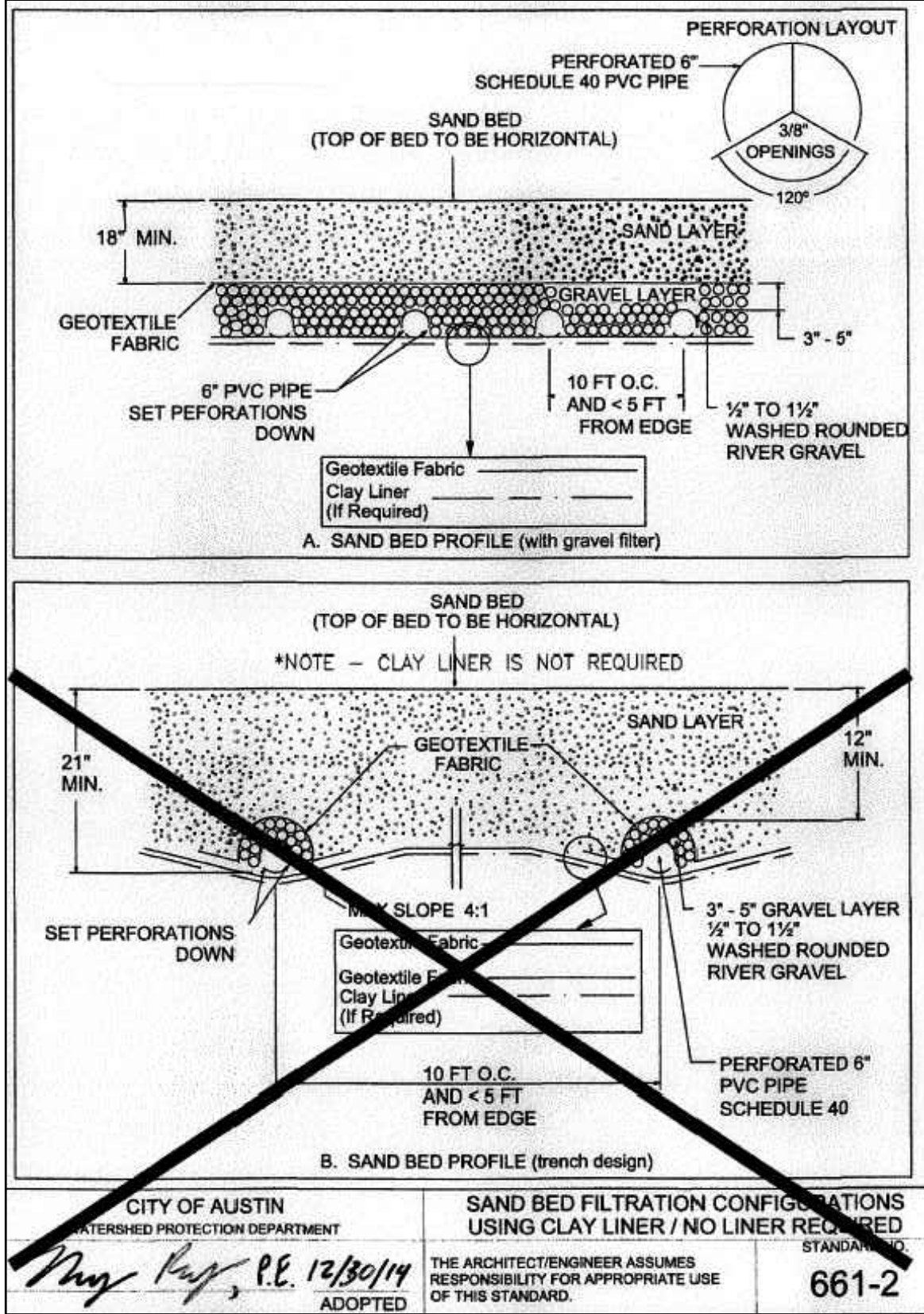
F) INTEGRATED PEST MANAGEMENT SHALL BE PERFORMED AND SHALL ADHERE TO SECTION 1.6.2.F, INTEGRATED PEST MANAGEMENT GUIDELINES.

G) THE MINIMUM VEGETATION HEIGHT SHALL BE FOUR (4) INCHES IN THE SCM AND ALL APPURTENANCES, INCLUDING THE TOE OF THE BERM OR WALL OUTSIDE THE SCM, WHERE APPLICABLE.

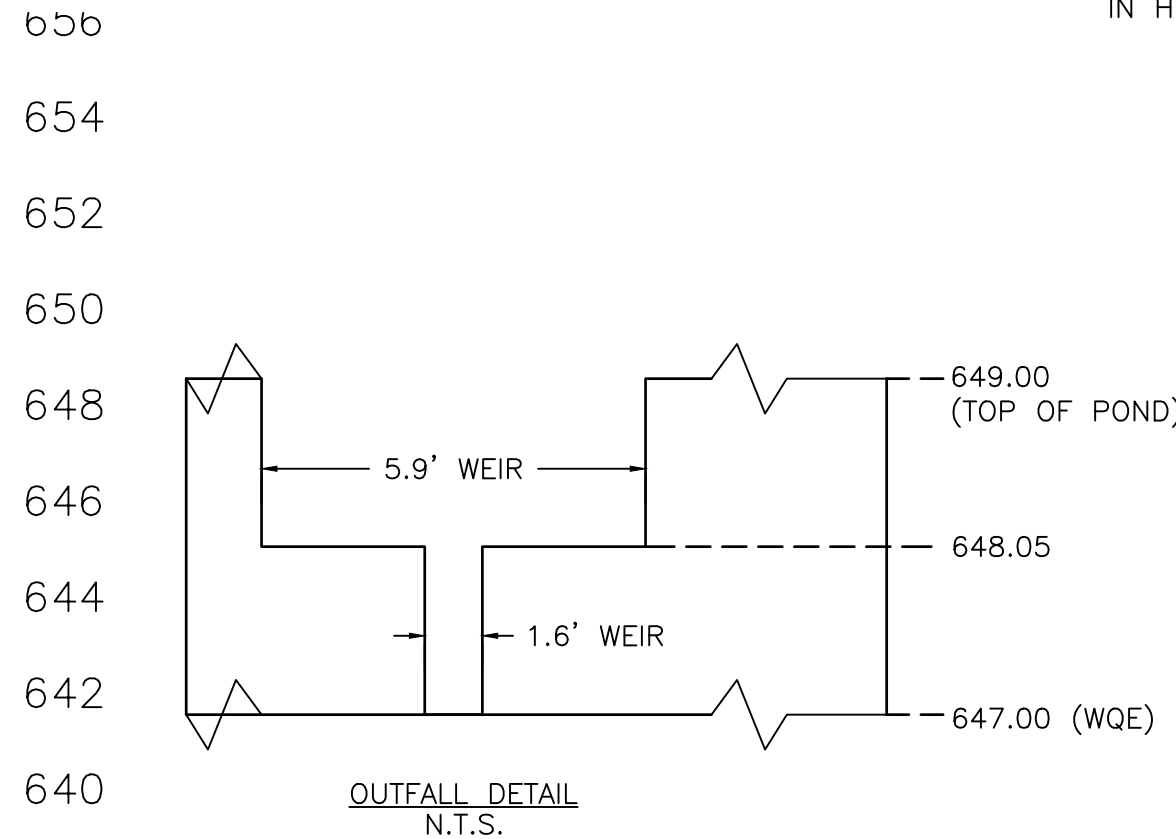
H) SEDIMENT BUILD-UP SHALL BE REMOVED:
I. WHEN THE ACCUMULATION EXCEEDS SIX (6) INCHES IN SPLITTER BOXES, WET WELLS AND BASINS. II. WHEN SEDIMENT TRAPS ARE FULL.
III. WHEN SEDIMENT, OF ANY AMOUNT, CAUSES STANDING WATER CONDITIONS OR REDUCES BASIN STORAGE BY MORE THAN 10%.

I) WHEN SEDIMENT IS REMOVED, THE FOLLOWING REQUIREMENTS APPLY: I. IRRIGATION SHALL BE PROVIDED, AS NEEDED, UNTIL VEGETATION IS ESTABLISHED (WELL ROOTED). SEE SECTION 1.6.3.D, IRRIGATION GUIDELINES. II. THE DESIGN DEPTH OF THE FILTRATION MEDIA SHALL BE VERIFIED. SEE SECTION 1.6.3.B.5. III. TILLING OF THE FILTRATION MEDIUM IS NOT ALLOWED.

A. VEGETATION WITHIN THE SCM SHALL NOT EXCEED EIGHTEEN (18) INCHES IN HEIGHT AT ANY TIME, EXCEPT AS CALLED FOR IN THE DESIGN. B. VEGETATION THAT IS MOWED OR CUT SHALL BE REMOVED FROM THE SCM. C. DETENTION BASINS. A. VEGETATION WITHIN THE BASIN SHALL NOT EXCEED EIGHTEEN (18) INCHES IN HEIGHT AT ANY TIME.

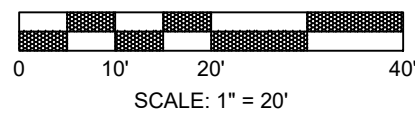
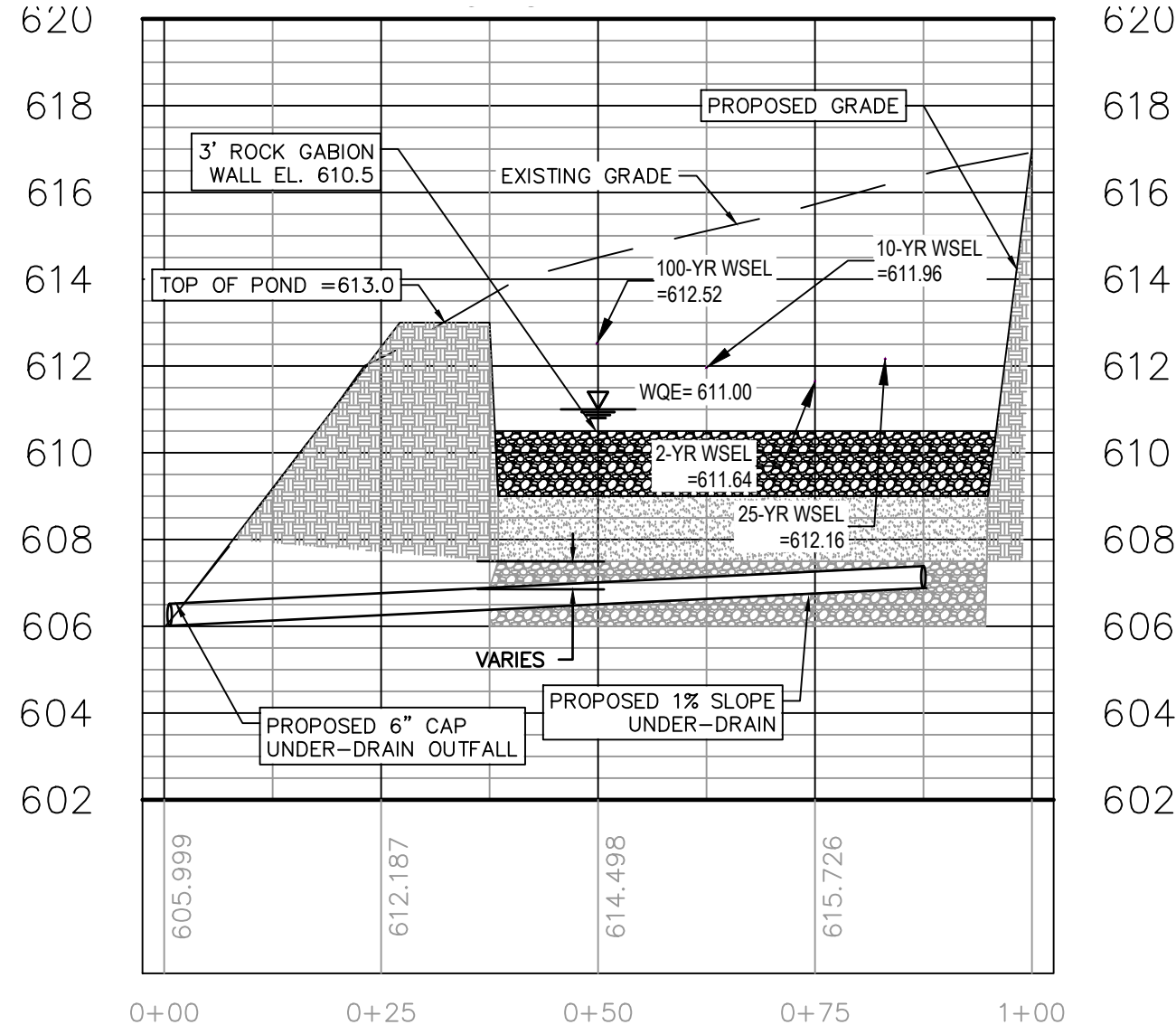
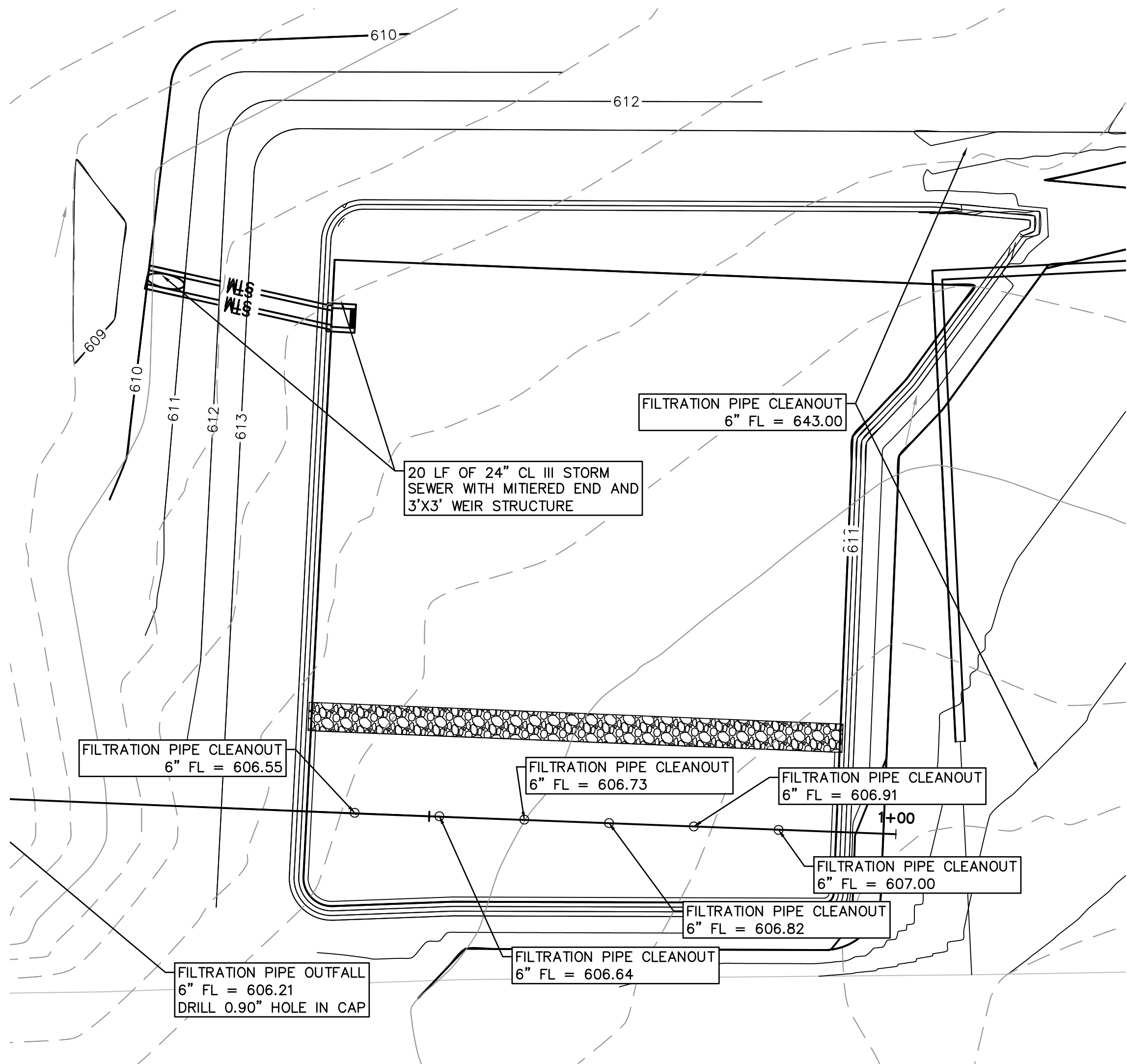


LEGEND	
	PROPERTY BOUNDARY
	RIGHT OF WAY
	STREET CENTERLINE
	SIDEWALK
	CURB AND GUTTER
	PROPOSED CONTOURS
	EXISTING CONTOURS
	EXISTING PROPERTY LINE / ROW
	EXISTING EASEMENT
	PROPOSED ENGINEERED VEGETATIVE FILTER STRIP

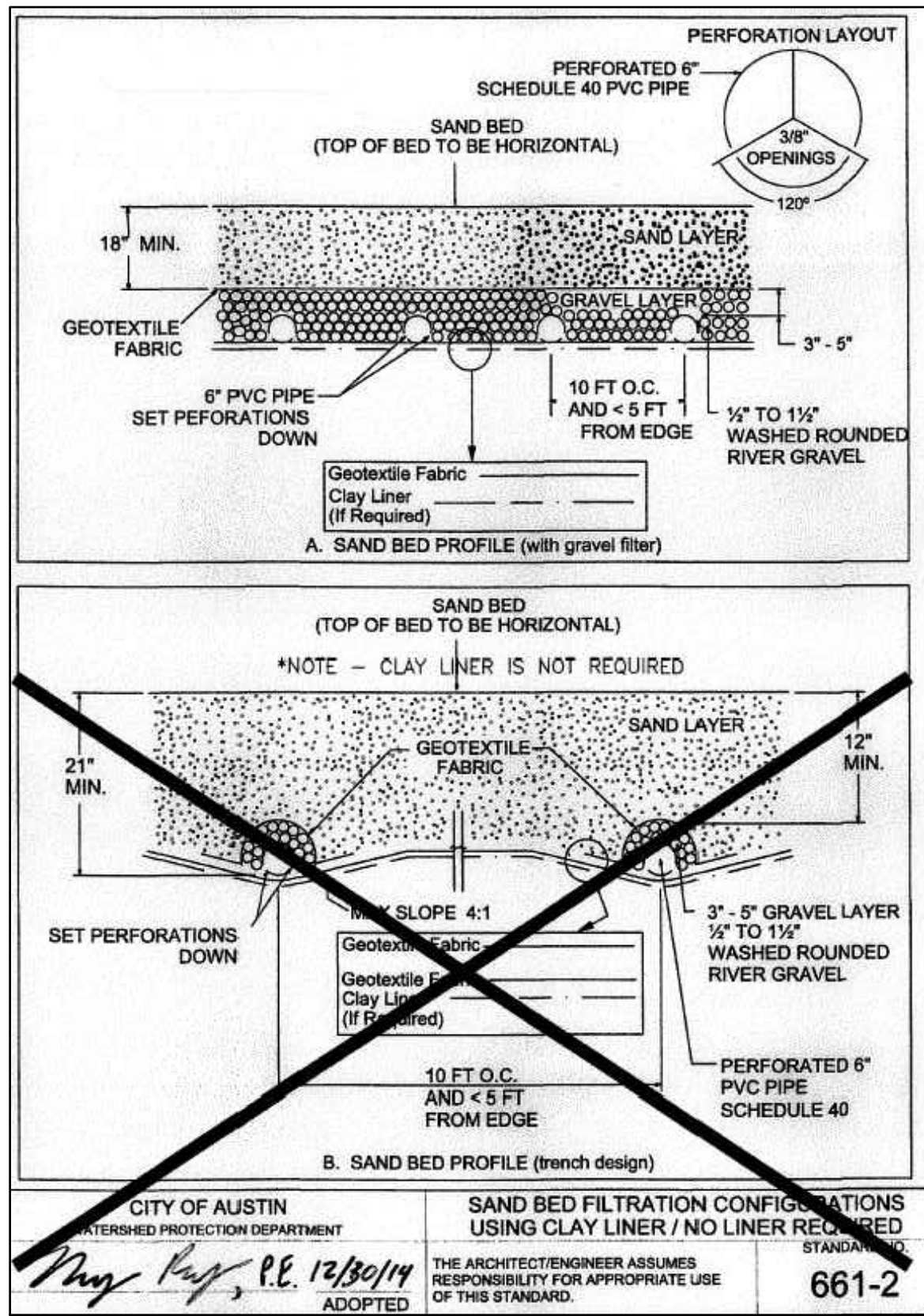


CITY APPROVAL	
SITE PLAN RELEASE	
FILE NUMBER: _____	EXPIRATION DATE: _____
CASE MANAGER: _____	APPLICATION DATE: MARCH 31, 2020
APPROVED ADMINISTRATIVELY ON: _____	
APPROVED BY PLANNING COMMISSION ON: _____	
APPROVED BY CITY COUNCIL ON: _____	
Under Section 112 Chapter 25-5 Of The Austin City Code	
Director, Development Services Department	
DATE OF RELEASE: _____	Zoning: GR-MU-CO-NP
Rev 1 _____	Correction 1 _____
Rev 2 _____	Correction 2 _____
Rev 3 _____	Correction 3 _____

ENGINEERING CONSULTING	
SANDLIN	
SERVICES, LLC	
TBPFS FIRM #21356 4501 WHISPERING VALLEY DRIVE UNIT 27 AUSTIN, TX 78727	
WATER QUALITY AND DETENTION POND 1 OF 2	
BLUE GOOSE MATERIALS	
CASE: 2020-28-SDP	
DATE: 8-21-2020	
REV. NO.	BY
DATE	REVISION DESCRIPTION
SHEET	
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OF 14	



VERTICLE SCALE 1 INCH : 4 FEET



APPENDIX R-3: PARTIAL SEDIMENTATION/FILTRATION POND CALCULATIONS FOR DEVELOPMENT PERMITS

DRAINAGE AREA DATA

Drainage Area to Control (DA)	1.67	acres
Drainage Area Impervious Cover	68.13	%
Capture Depth (CD) = $(0.57 + ((C-20) / 100))$	0.98	inches

WATER QUALITY CONTROL CALCULATIONS

	Pond #2
The Water Quality Control is to be: PARTIAL Sedimentation/Filtration	
25-year Peak Flow Rate to Control (Q25)	9.43 cfs
100-year Peak Flow Rate to Control (Q100)	14.03 cfs
Water Quality Volume ($WQV = CD * DA * 3630$)	5,948.5
Maximum Ponding Depth above Sand Bed (H)	2.0 ft
Sedimentation Pond Area	3,426.0 sf
Sedimentation Pond Volume ($minimum 20\% \text{ of } WQV$)	1,189.7
Filtration Pond Area ($WQV / (4 + 1.33 * H)$)	893.2
Filtration Pond Volume	1,941.5
Water Quality Elevation	611.0 ft msl
Elevation of Splitter/Overflow Weir ($> WQ \text{ elev}$)	668.0 ft msl
Height of Gabion Wall ($WQ \text{ elev} - 0.5'$)	610.5 ft

Sedimentation Pond:

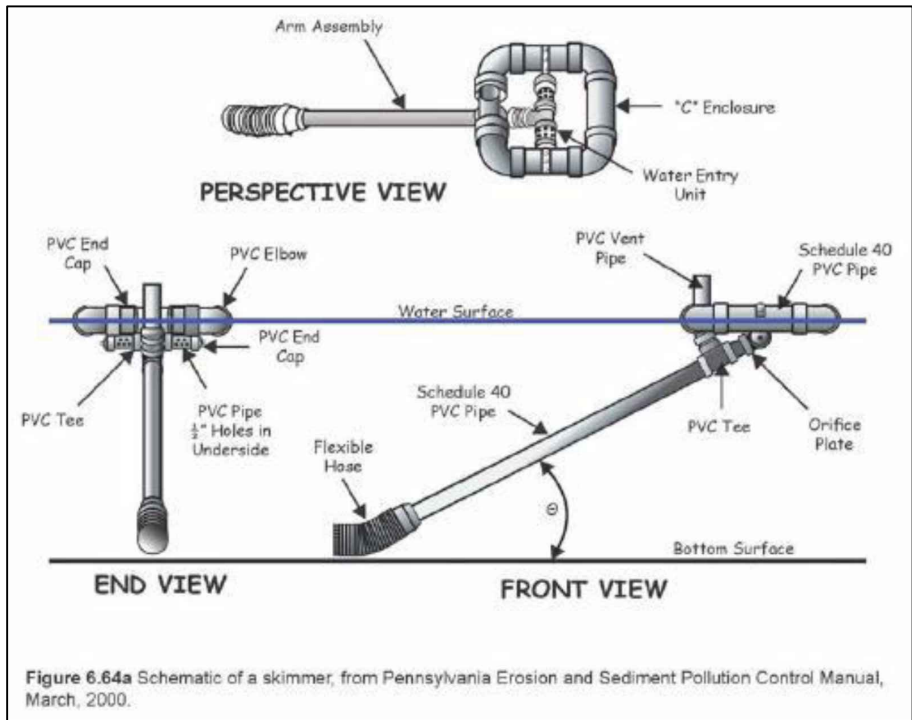
Stage (ft msl)	Area (sf)	Storage (cf)	Total (cf)
609.0	0.0	0.0	0.0
610.0	2,901.0	1,450.5	1,450.5
611.0	3,426.0	3,163.5	4,614.0

Filtration Pond:

Stage (ft msl)	Area (sf)	Storage (cf)	Total (cf)
609.0	922.0	0.0	0.0
610.0	971.0	946.5	946.5
611.0	1,019.0	995.0	1,941.5

Total Water Quality:

Stage (ft msl)	Area (sf)	Storage (cf)	Total (cf)
609.00	922	0.00	0.00
610.00	3,872	2,397.00	2,397.00
611.00	4,445	4,158.50	6,555.50



Blue Goose Materials

DETENTION POND #2 STAGE-STORAGE

Stage (ft msl)	Area (sf)	Area (acres)	Storage Incremental (cf)	Storage Cumulative (cf)	Storage Cumulative (ac-ft)
611.00	4,430	0.1016988	0	0	0.000
612.00	4,572	0.1049587	4,501	4,501	0.103
613.00	4,715	0.1082415	4,644	9,145	0.210

Blue Goose Materials

DETENTION POND #2 ELEVATION-VOLUME

Storm Event	Peak Flow IN (cfs)	Peak Flow OUT (cfs)	WSEL (ft msl)	Peak Storage (ac-ft)
2-year	4.99	3.86	611.64	0.07
10-year	8.59	7.03	611.96	0.10
25-year	11.28	9.43	612.16	0.12
100-year	16.34	14.03	612.52	0.16

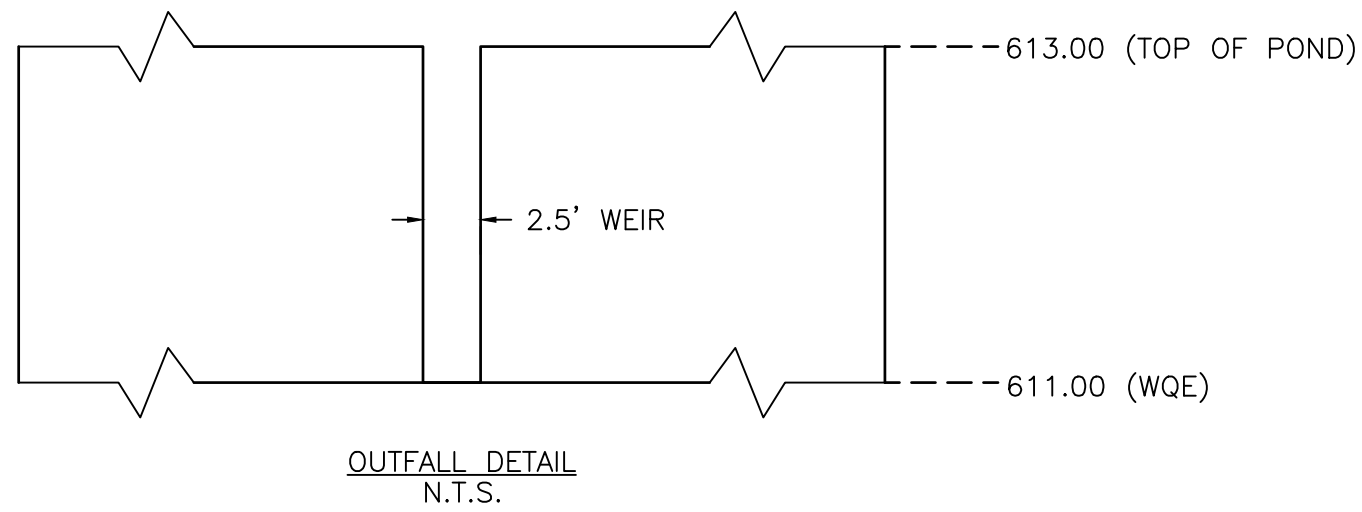
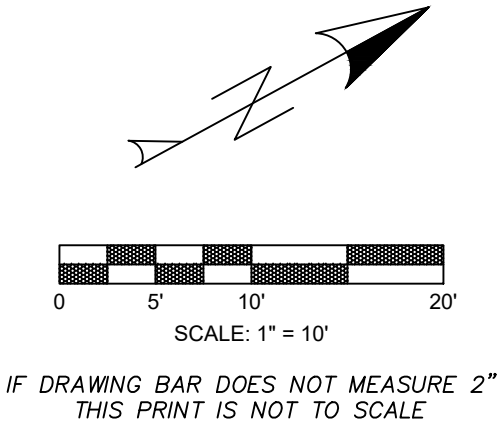
FILTRATION POND #2 - DRAWDOWN CALCULATIONS

Stage (ft amsl)	Storage (cf)	Head (ft)	Relative Volume (cf)	Time To Drain (hr)	Outflow Velocity (fps)
611.00	0	1.00	0	0.00	0.00
612.00	2,397	2.00	2397	21.42	7.04
613.00	6,556	3.00	4159	30.34	8.62
Complete Drawdown Time 51.76					

*Elevation of Downstream WSE = 610 ft amsl

*Orifice Diameter (inches) = 0.90 in

*24-Hour Drawdown Volume = 3289.44 cf



- GABION WALL NOTES:
- STONE: STONE FILL MATERIAL SHALL CONSIST OF HARD, DURABLE, CLEAN STONE OF THE SIZE INDICATED. 5 TO 8 INCHES IN SIZE OR AS APPROVED BY THE ENGINEER AND RESISTANT TO THE ACTION OF AIR AND WATER AND SUITABLE IN ALL RESPECTS FOR THE PURPOSE INTENDED.
 - WIRE CONTAINERS: WIRE MESH SHALL CONSIST OF PLASTIC COATED (PVC) GALVANIZED WIRE 0.120 INCH IN DIAMETER MINIMUM AND SHALL EQUAL OR EXCEED FEDERAL SPECIFICATION QQ-W-481g CLASS 3 UNLESS OTHERWISE INDICATED. OPENING OF THE MESH SHALL NOT EXCEED APPROXIMATELY 4 INCHES IN THE LARGEST DIMENSION. THE WIRE MESH IS TO BE FABRICATED IN SUCH A MANNER AS TO BE NONRAVELING. TIE AND CONNECTING WIRE SHALL BE OF THE SAME TYPE AND SIZE AS THE BASKETS AND SHALL BE SUPPLIED IN SUFFICIENT QUANTITY FOR SECURELY FASTENING ALL EDGES OF GABION AND DIAPHRAGMS.
 - FILTER FABRIC: FILTER FABRIC SHALL BE NON-BIODEGRADABLE ULTRAVIOLET STABILIZED, INERT TO MOST SOIL CHEMICALS, UNAFFECTED BY MOISTURE WHICH ALLOWS WATER TO PASS THROUGH WHILE RETAINING SOIL PARTICLES AND SHALL CONFORM TO ITEM NO. 620, "FILTER FABRIC".
 - ALL POND BOTTOMS, SIDE SLOPES, AND EARTHEN EMBANKMENTS SHALL BE COMPACTED TO NINETY-FIVE (95) PERCENT MAXIMUM DENSITY, IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD SPECIFICATIONS.
 - EXPANSION JOINTS ON FREE STANDING WALLS SHALL HAVE WATER TIGHT SEALS AS NEEDED.

- POND NOTES:
- INSTALL 6" PERFORATED PVC PIPE AT 1.0% GRADE WITH CLEANOUTS AS SHOWN.
 - POND SHALL BE PRIVATELY MAINTAINED.
 - THE MAXIMUM SPACING FOR FILTRATION POND LATERALS SHOULD BE TEN (10) FEET BETWEEN LATERALS AND FIVE (5) FEET FROM A WALL OR SIDE.
 - IN ADDITION, INSTALL A REMOVABLE PVC CAP WITH AN APPROPRIATELY SIZED ORIFICE AT THE END OF THE UNDERDRAIN PIPE IN ORDER TO PROVIDE A FORTY-EIGHT (48) HOUR DRAWDOWN TIME, TO ACCOUNT FOR SIGNIFICANT UNCERTAINTIES TO THE ACTUAL FILTRATION MEDIA HYDRAULIC CONDUCTIVITY OVER THE LIFE OF THE SYSTEM.

- POND MAINTENANCE:
- THE FOLLOWING MAINTENANCE ACTIVITIES SHALL BE PERFORMED ON ALL SCMS, IN ADDITION TO THE REQUIREMENTS LISTED FOR THE INDIVIDUAL SCM TYPES, TO ENSURE PROPER FUNCTION:
- A)ACCUMULATED PAPER, TRASH AND DEBRIS SHALL BE REMOVED EVERY SIX (6) MONTHS OR AS NECESSARY TO MAINTAIN PROPER OPERATION.
- B)STRUCTURAL INTEGRITY SHALL BE MAINTAINED AT ALL TIMES. BASINS AND ALL APPURTENANCES SHALL BE INSPECTED ANNUALLY, OR MORE FREQUENTLY IF SPECIFIED, AND REPAIRS SHALL BE MADE IF NECESSARY. WHEN MAINTENANCE OR REPAIRS ARE PERFORMED, THE SCM SHALL BE RESTORED TO THE ORIGINAL LINES AND GRADES.
- C)CORRECTIVE MAINTENANCE SHALL OCCUR:ANY TIME DRAWDOWN OF THE WATER QUALITY VOLUME DOES NOT OCCUR WITHIN NINETY-SIX (96) HOURS (I.E., NO STANDING WATER IS ALLOWED), UNLESS A GREATER MAXIMUM DRAWDOWN TIME IS SPECIFIED IN THE PLANS.II.FOR DETENTION PONDS ONLY, ANY TIME DRAWDOWN DOES NOT OCCUR WITHIN TWENTY-FOUR (24) HOURS.
- D)THE INLET AND OUTLET OF SCMS SHALL BE MAINTAINED UNIMPEDED IN ORDER TO CONVEY FLOW AT ALL TIMES. OBSERVED BLOCKAGES TO THE INLET AND OUTLET, DUE TO VEGETATION, SEDIMENT, DEBRIS, OR ANY OTHER CAUSE, SHALL BE REMOVED.
- E)NO UNVEGETATED AREA SHALL EXCEED TEN (10) SQUARE FEET. THIS PERFORMANCE REQUIREMENT APPLIES TO THE ENTIRE POND INCLUDING THE POND BOTTOM, SIDE SLOPES, AND AREAS ADJACENT TO THE POND, AND IS INTENDED TO LIMIT EROSION.
- F)INTEGRATED PEST MANAGEMENT SHALL BE PERFORMED AND SHALL ADHERE TO SECTION 1.6.2.F, INTEGRATED PEST MANAGEMENT GUIDELINES.
- G)THE MINIMUM VEGETATION HEIGHT SHALL BE FOUR (4) INCHES IN THE SCM AND ALL APPURTENANCES, INCLUDING THE TOE OF THE BERM OR WALL OUTSIDE THE SCM, WHERE APPLICABLE.
- H)SEDIMENT BUILD-UP SHALL BE REMOVED: I.WHEN THE ACCUMULATION EXCEEDS SIX (6) INCHES IN SPLITTER BOXES, WET WELLS AND BASINS.II.WHEN SEDIMENT TRAPS ARE FULL. II.WHEN SEDIMENT, OF ANY AMOUNT, CAUSES STANDING WATER CONDITIONS OR REDUCES BASIN STORAGE BY MORE THAN 10%.
- I)WHEN SEDIMENT IS REMOVED, THE FOLLOWING REQUIREMENTS APPLY:I.IRRIGATION SHALL BE PROVIDED, AS NEEDED, UNTIL VEGETATION IS ESTABLISHED (WELL ROOTED). SEE SECTION 1.6.3.D, IRRIGATION GUIDELINES.II.THE DESIGN DEPTH OF THE FILTRATION MEDIA SHALL BE VERIFIED. SEE SECTION 1.6.3.B.5.III.TILLING OF THE FILTRATION MEDIUM IS NOT ALLOWED.
- A.VEGETATION WITHIN THE SCM SHALL NOT EXCEED EIGHTEEN (18) INCHES IN HEIGHT AT ANY TIME, EXCEPT AS CALLED FOR IN THE DESIGN.B.VEGETATION THAT IS MOWED OR CUT SHALL BE REMOVED FROM THE SCM.3.DETENTION BASINS.A.VEGETATION WITHIN THE BASIN SHALL NOT EXCEED EIGHTEEN (18) INCHES IN HEIGHT AT ANY TIME.

CITY APPROVAL

SITE PLAN RELEASE

FILE NUMBER: _____ EXPIRATION DATE: _____

CASE MANAGER: _____ APPLICATION DATE: MARCH 31, 2020

APPROVED ADMINISTRATIVELY ON: _____

APPROVED BY PLANNING COMMISSION ON: _____

APPROVED BY CITY COUNCIL ON: _____

Under Section 112 Chapter 25-5 Of The Austin City Code

Director, Development Services Department

DATE OF RELEASE: _____ Zoning: GR-MU-CO-NP

Rev 1 _____ Correction 1 _____

Rev 2 _____ Correction 2 _____

Rev 3 _____ Correction 3 _____

REV. NO.	BY	DATE	REVISION DESCRIPTION	SHEET
				11
				OF 14

STATE OF TEXAS

NICHOLAS R. SANDLIN

124404

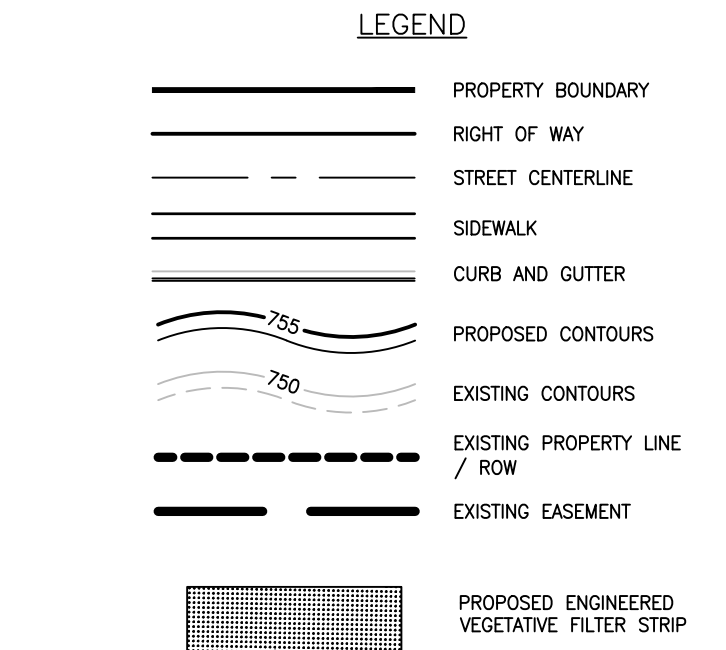
PROFESSIONAL ENGINEER

8/21/2020

Nick Sandlin

THIS PLAN SET FOR REVIEW ONLY. NOT FOR CONSTRUCTION.

WARNING !!! CONTRACTOR TO FIELD VERIFY ALL EXIST. UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. THE CONTRACTOR IS TO CONTACT ENGINEER IF ANY EXISTING UTILITY INFORMATION DIFFERS FROM DATA SHOWN IN THE PLANS. CALL 811 BEFORE YOU DIG.



ENGINEERING | CONSULTING

SANDLIN SERVICES, LLC

TBPELS FIRM #21356

4501 WHISPERING VALLEY DRIVE UNIT 27 AUSTIN, TX 78727

WATER QUALITY AND DETENTION POND 2 OF 2

BLUE GOOSE MATERIALS

CASE: 2020-26-SDP

DATE: 8-21-2020



HEADWALL TABLE											
PIPE SIZE (D)	3:1 SIDE SLOPE						3.5:1 SIDE SLOPE				
	W (FT.)	Ww (FT.)	H (FT.)	L (FT.)	E (FT.)	C (FT.)	W (FT.)	Ww (FT.)	H (FT.)	L (FT.)	C (FT.)
18"	3.5'	6.59	3.0'	9.0'	4.5'	1.59	3.5'	6.59	3.0'	10.5'	5.25'
24"	4.0'	7.92	3.5'	10.5'	6.0'	1.92	4.0'	7.92	3.5'	12.25'	7.0'
30"	4.5'	9.25	4.0'	12.0'	7.5'	2.25	4.5'	9.25	4.0'	14.0'	8.75'
36"	5.0'	10.83	4.5'	13.5'	9.0'	2.83	5.0'	10.83	4.5'	15.75'	10.5'
42"	5.5'	12.18	5.0'	15.0'	10.5'	3.18	5.5'	12.18	5.0'	17.5'	12.25'



NOTES:
1. ALL REINFORCEMENT SHALL BE GRADE 60 STEEL #3 BAR @ 12" O.C. BOTH WAYS.
2. CONCRETE SHALL BE 3000 PSI STRENGTH @ 28 DAYS.

HEADWALL FOR MITERED PIPE END @3:1



8/21/2020
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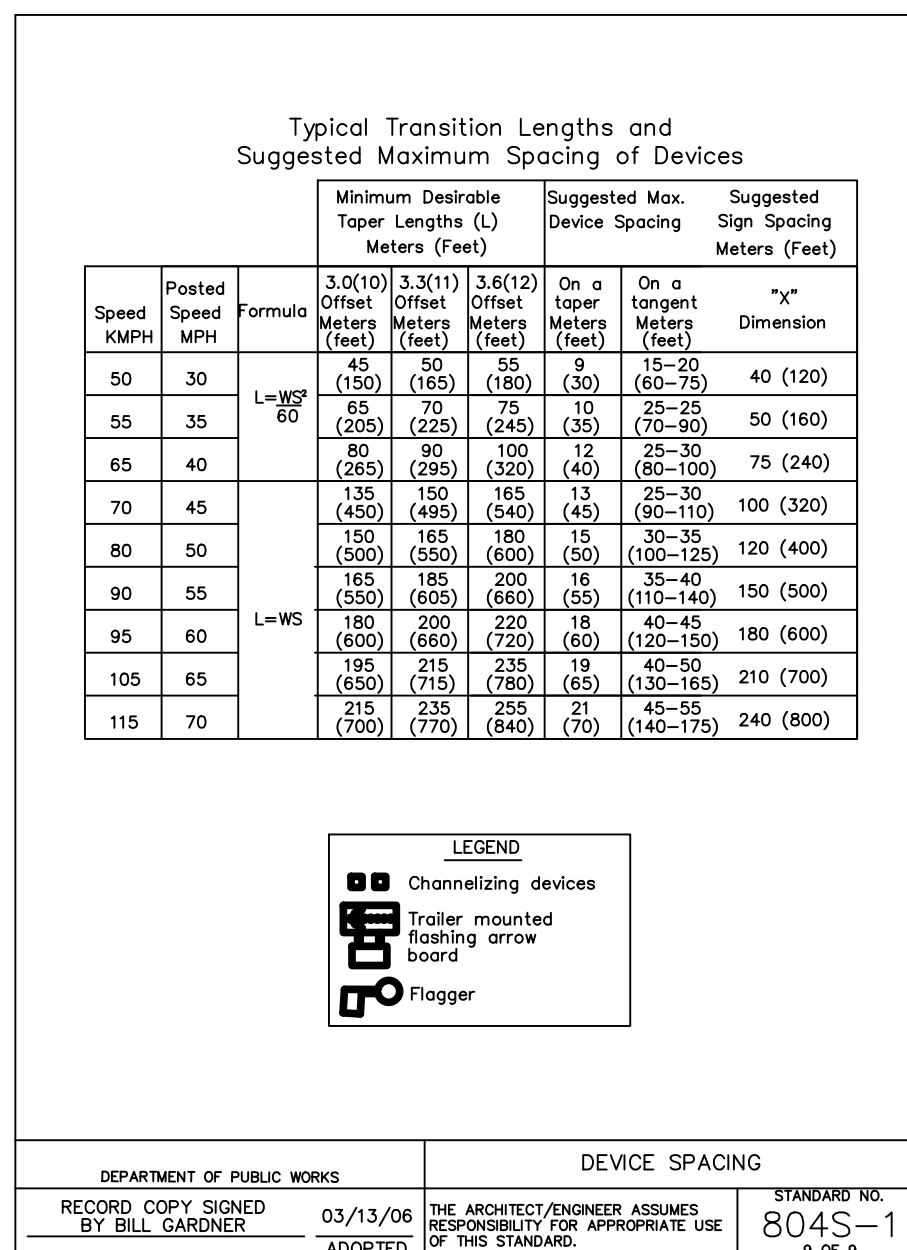
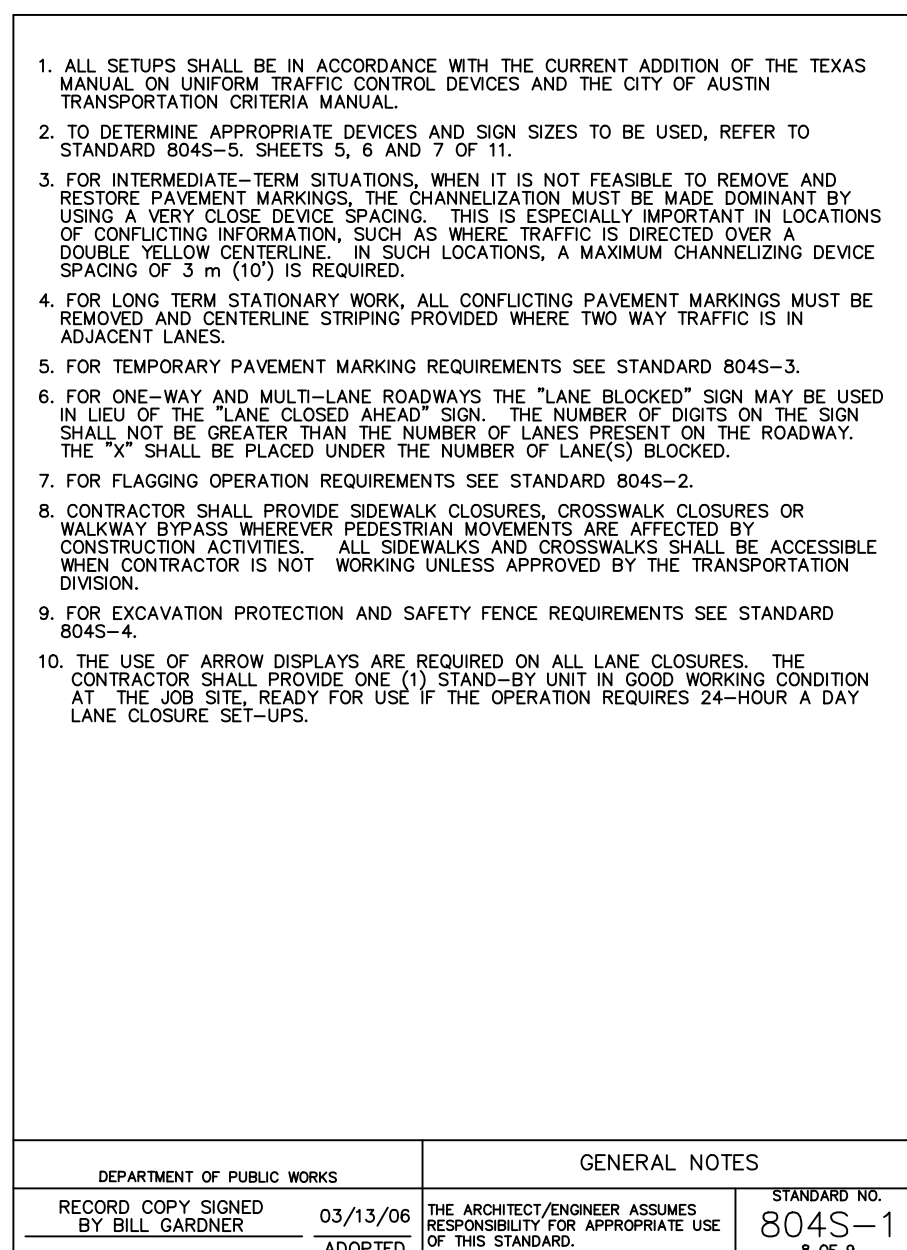
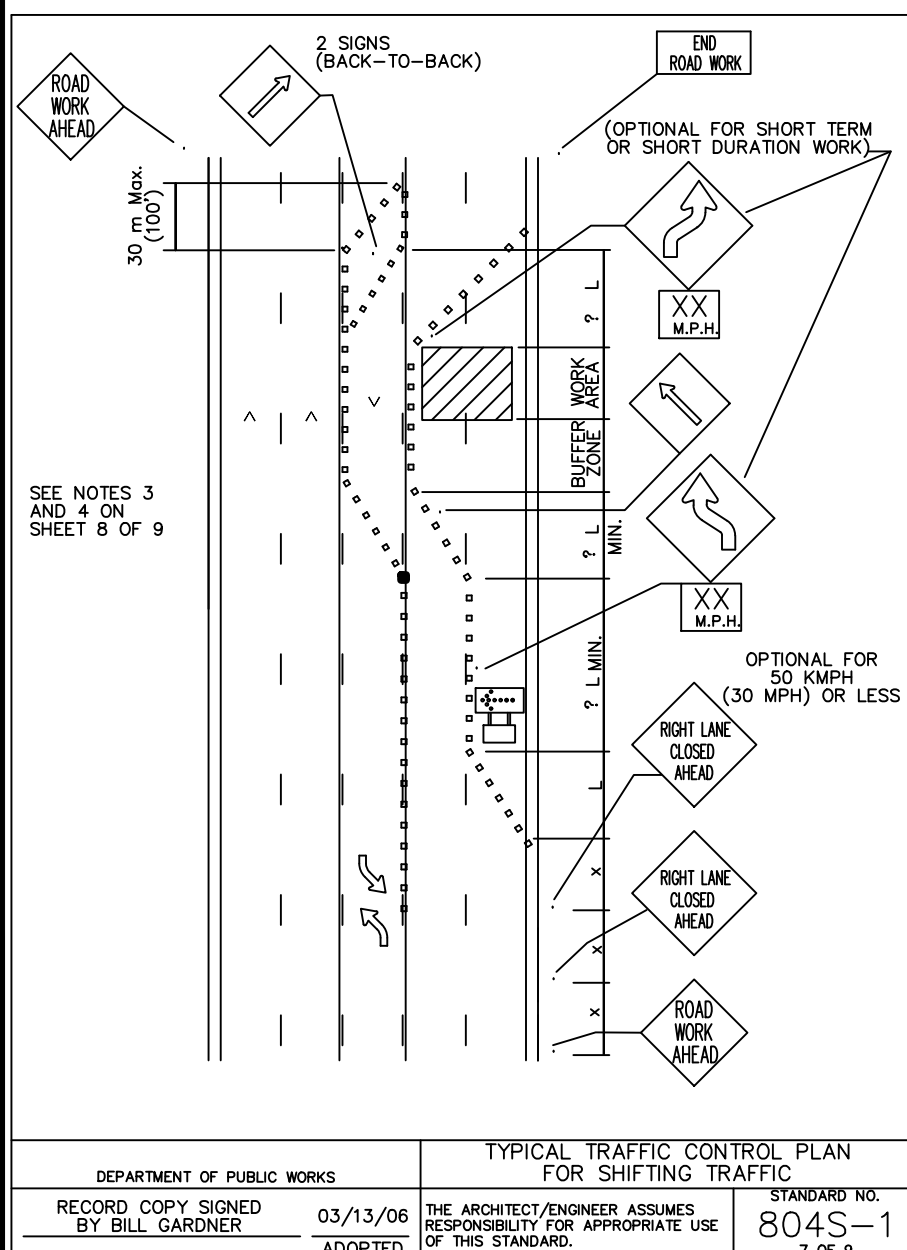
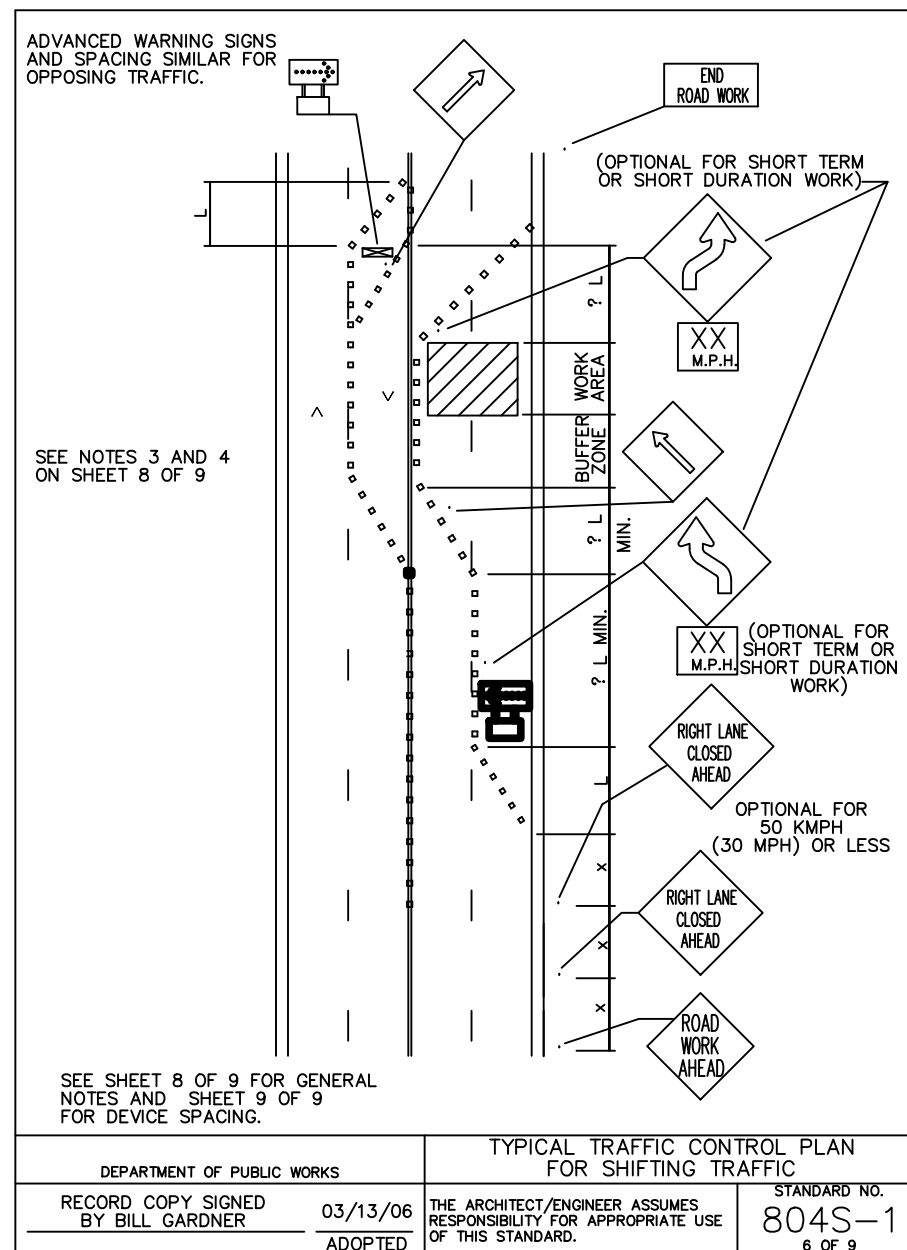
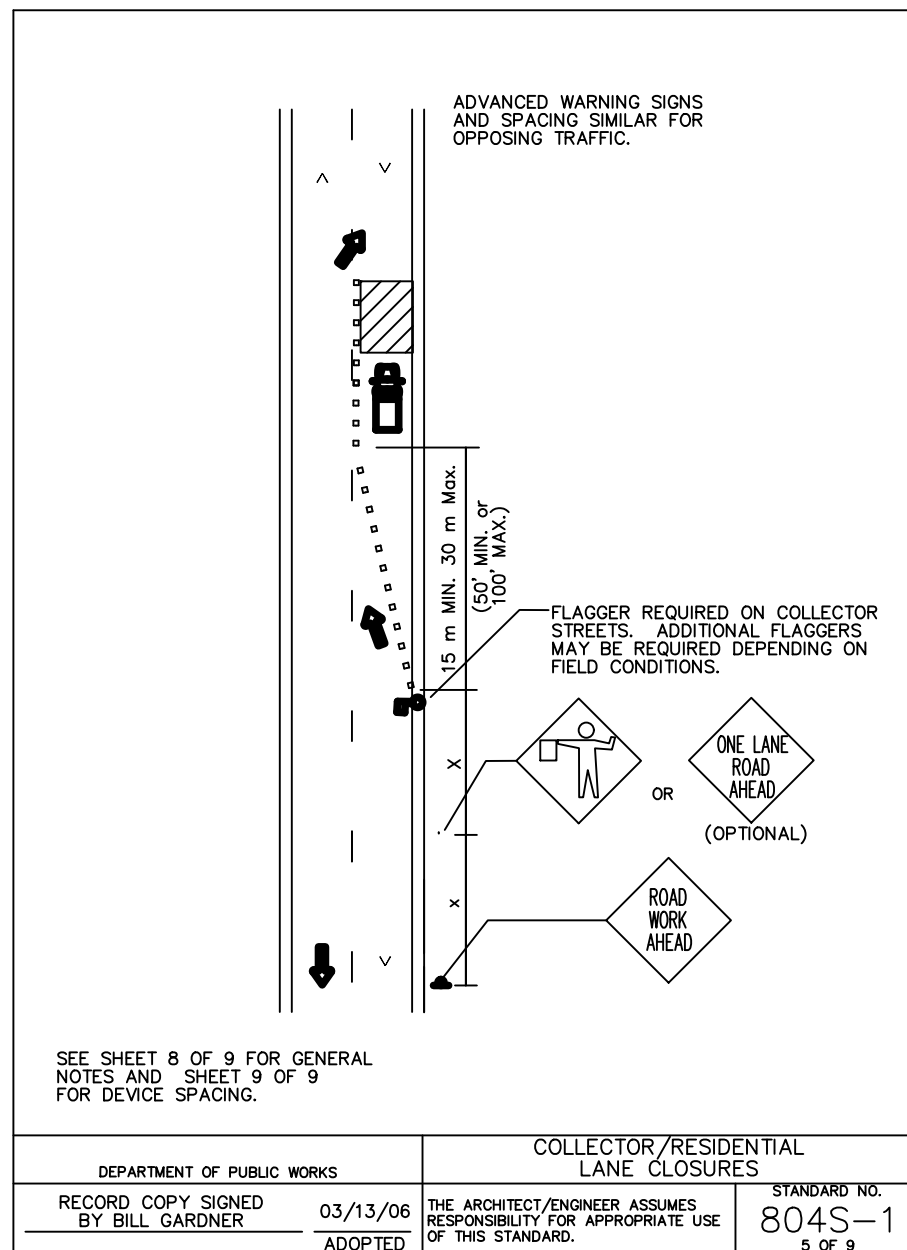
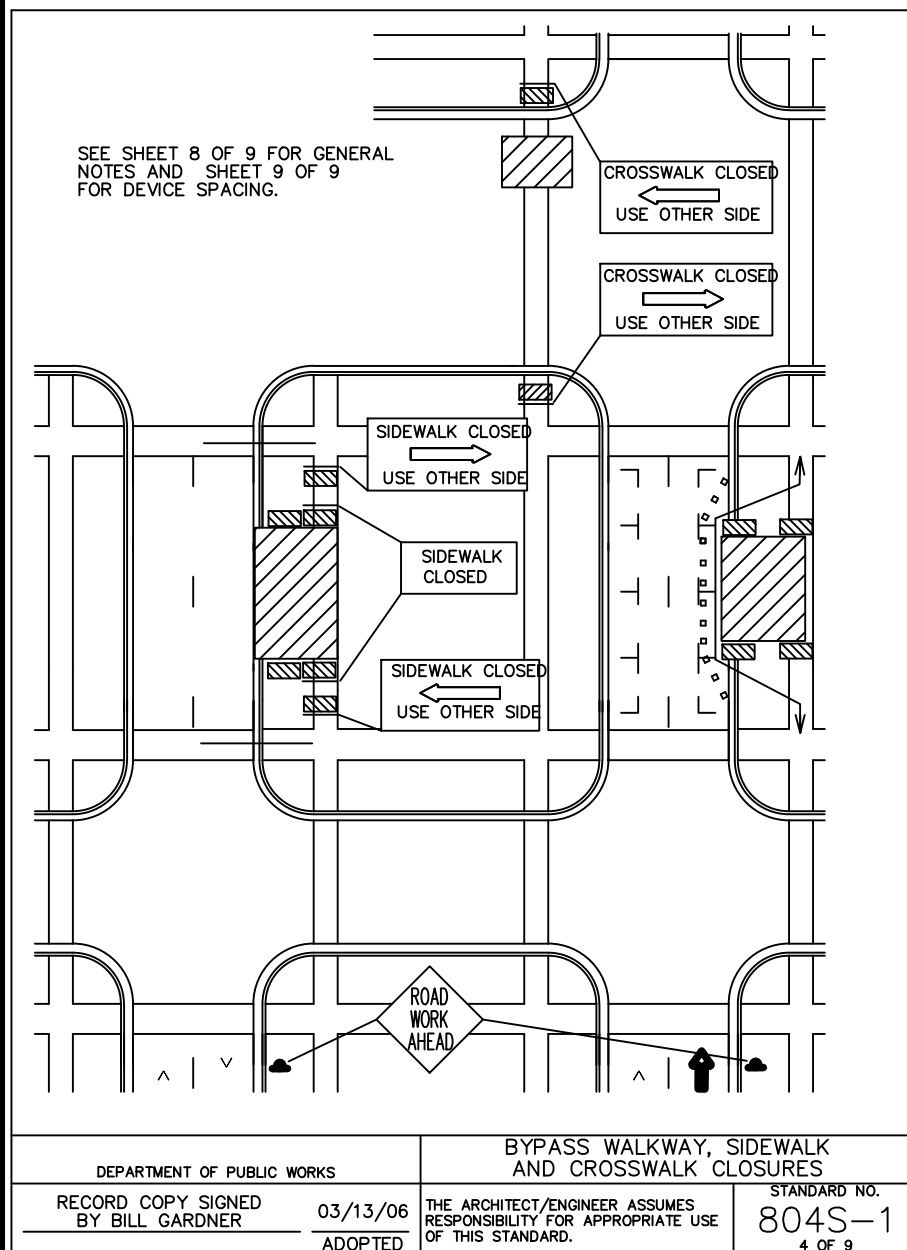
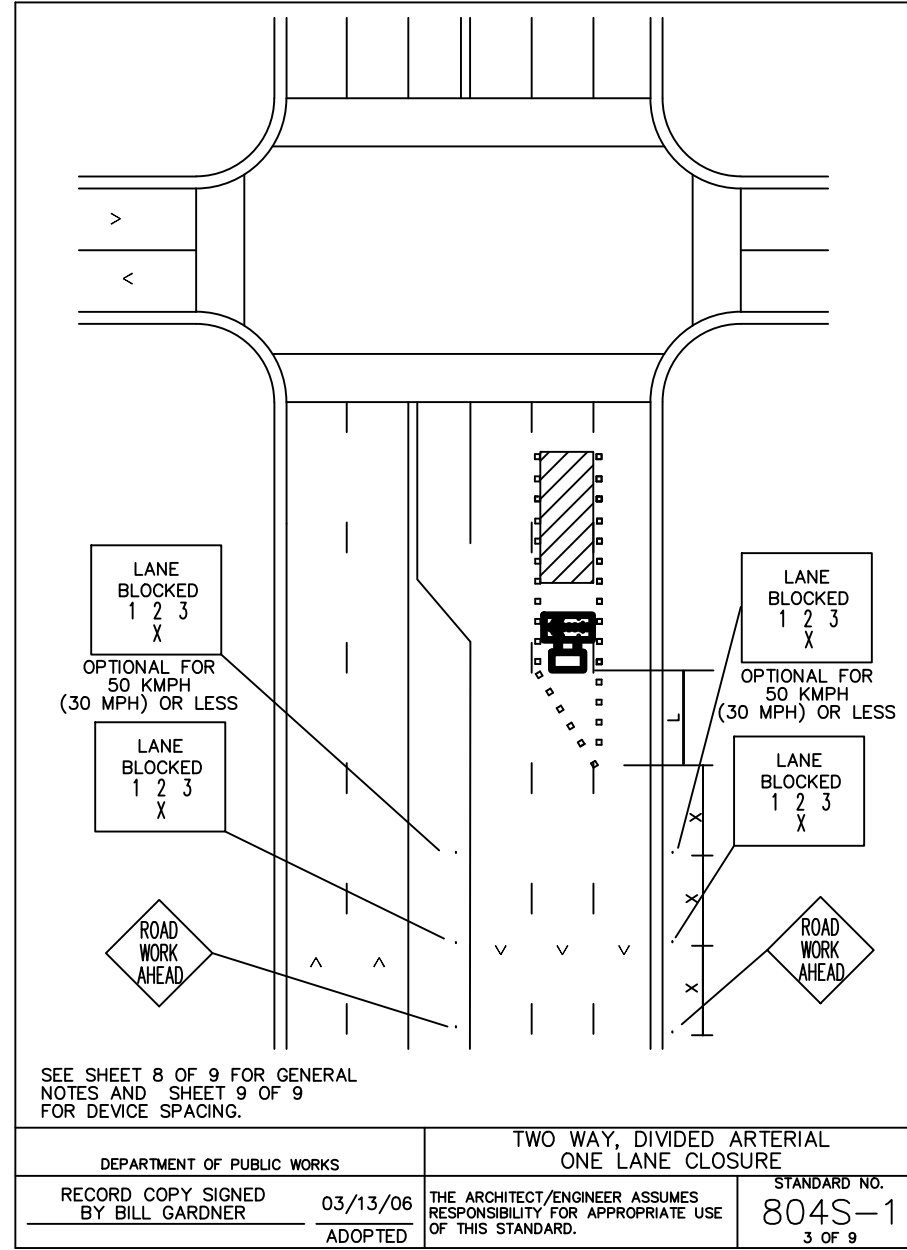
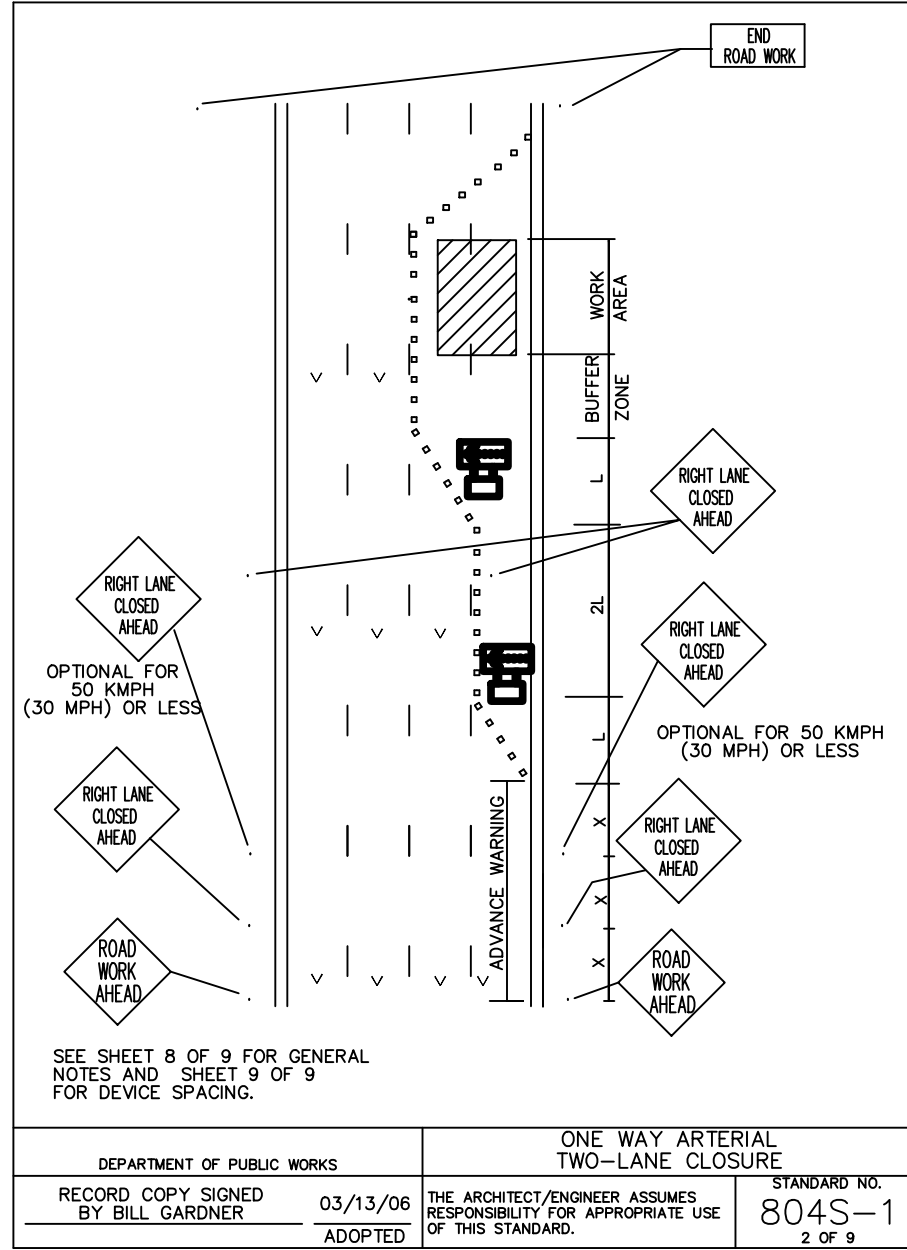
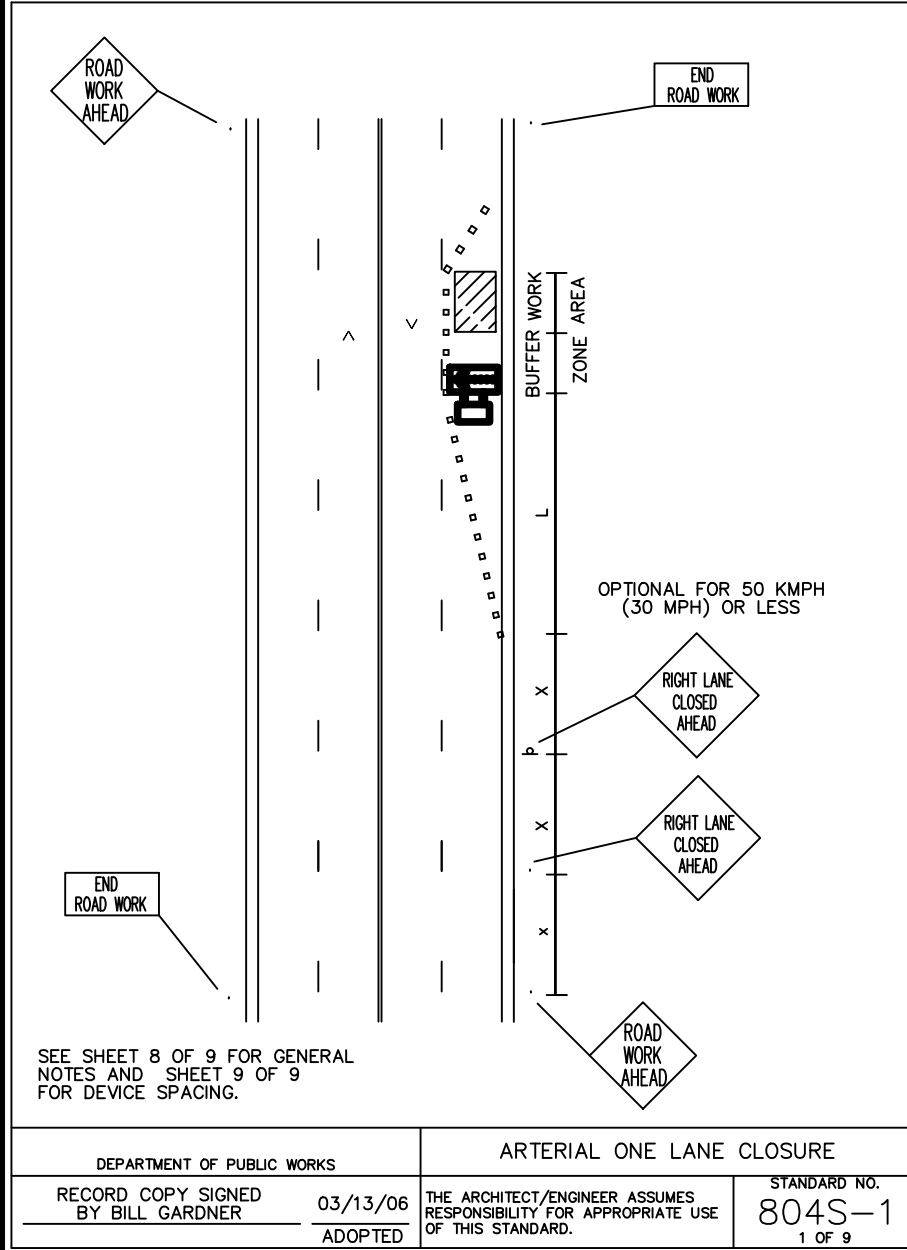
TBPELS FIRM #21356
4501 WHISPERING VALLEY DRIVE UNIT 27 AUSTIN, TX 78727

DETENTION POND DETAILS

BLUE GOOSE MATERIALS

CASE: 2020-28-SDP DATE: 8-21-2020

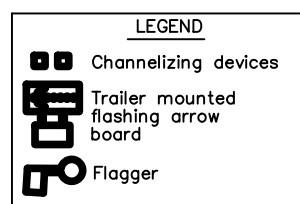
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1. ALL SETUPS SHALL BE IN ACCORDANCE WITH THE CURRENT ADDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE CITY OF AUSTIN TRANSPORTATION CRITERIA MANUAL.
2. TO DETERMINE APPROPRIATE DEVICES AND SIGN SIZES TO BE USED, REFER TO STANDARD BOKS-5, SHEETS 5, 6 AND 7 OF 11.
3. FOR INTERMEDIATE-TERM SITUATIONS, WHEN IT IS NOT FEASIBLE TO REMOVE AND RESTORE PAVEMENT MARKINGS, THE CHANNELIZATION MUST BE MADE DOMINANT BY USING A VERY CLOSE DEVICE SPACING. THIS IS ESPECIALLY IMPORTANT IN LOCATIONS OF CONFLICTING INFORMATION, SUCH AS WHERE TRAFFIC IS DIRECTED OVER A DOUBLE YELLOW CENTERLINE. IN SUCH LOCATIONS, A MAXIMUM CHANNELIZING DEVICE SPACING OF 3' (10') IS REQUIRED.
4. FOR LONG TERM STATIONARY WORK, ALL CONFLICTING PAVEMENT MARKINGS MUST BE REMOVED AND CENTERLINE STRIPING PROVIDED WHERE TWO WAY TRAFFIC IS IN ADJACENT LANES.
5. FOR TEMPORARY PAVEMENT MARKING REQUIREMENTS SEE STANDARD 804S-3.
6. FOR ONE-WAY AND MULTI-LANE ROADWAYS THE "LANE BLOCKED" SIGN MAY BE USED IN LIEU OF THE "LANE CLOSED AHEAD" SIGN. THE NUMBER OF DIGITS ON THIS SIGN SHALL NOT BE GREATER THAN THE NUMBER OF LANES PRESENT ON THE ROADWAY. THE "X" SHALL BE PLACED UNDER THE NUMBER OF LANE(S) BLOCKED.
7. FOR FLAGGING OPERATION REQUIREMENTS SEE STANDARD 804S-2.
8. CONTRACTOR SHALL PROVIDE SIDEWALK CLOSURES, CROSSWALK CLOSURES OR WALKWAY BYPASS WHEREVER PEDESTRIAN MOVEMENTS ARE AFFECTED BY CONSTRUCTION ACTIVITIES. ALL SIDEWALKS AND CROSSWALKS SHALL BE ACCESSIBLE WHEN CONTRACTOR IS NOT WORKING UNLESS APPROVED BY THE TRANSPORTATION DIVISION.
9. FOR EXCAVATION PROTECTION AND SAFETY FENCE REQUIREMENTS SEE STANDARD 804S-4.
10. THE USE OF ARROW DISPLAYS ARE REQUIRED ON ALL LANE CLOSURES. THE CONTRACTOR SHALL PROVIDE ONE (1) STAND-BY UNIT IN GOOD WORKING CONDITION AT THE JOB SITE, READY FOR USE IF THE OPERATION REQUIRES 24-HOUR A DAY LANE CLOSURE SET-UPS.

Typical Transition Lengths and Suggested Maximum Spacing of Devices

Speed (MPH)	Posted Speed (MPH)	Formula	Minimum Desirable Taper Lengths (L) Meters (Feet)		Suggested Max. Device Spacing Meters (Feet)		Suggested Sign Spacing Meters (Feet)	
			3.0(10)	3.3(11)	3.6(12)	On a Taper	On a Taper	"x" Dimension
45	50	L=WS/60	150 (150)	165 (165)	180 (180)	9 (30)	15-20 (60-75)	40 (120)
55	35		135 (150)	165 (165)	180 (180)	10 (30)	25-35 (70-90)	50 (160)
65	40		135 (150)	165 (165)	180 (180)	10 (30)	25-35 (70-90)	50 (160)
70	45		135 (150)	165 (165)	180 (180)	10 (30)	25-35 (70-90)	50 (160)
80	50	L=WS	150 (150)	165 (165)	180 (180)	15 (30)	35-40 (100-120)	100 (320)
90	55		150 (150)	165 (165)	180 (180)	15 (30)	35-40 (100-120)	100 (320)
95	60		150 (150)	165 (165)	180 (180)	15 (30)	35-40 (100-120)	100 (320)
105	65		150 (150)	165 (165)	180 (180)	15 (30)	35-40 (100-120)	100 (320)
115	70		150 (150)	165 (165)	180 (180)	15 (30)	35-40 (100-120)	100 (320)



CITY APPROVAL

SITE PLAN RELEASE

FILE NUMBER: _____ EXPIRATION DATE: _____
CASE MANAGER: _____ APPLICATION DATE: MARCH 31, 2020
APPROVED ADMINISTRATIVELY ON: _____
APPROVED BY PLANNING COMMISSION ON: _____
APPROVED BY CITY COUNCIL ON: _____
Under Section 112 Chapter 25-5 Of The Austin City Code

Director, Development Services Department
DATE OF RELEASE: _____ Zoning: GR-MU-CO-NP

Rev 1 _____ Correction 1 _____
Rev 2 _____ Correction 2 _____
Rev 3 _____ Correction 3 _____

SANDLIN
SERVICES, LLC

ENGINEERING | CONSULTING

TBPCLS FIRM #21356
4501 WHISPERING VALLEY DRIVE UNIT 27 AUSTIN, TX 78727

DRAINAGE & CONSTRUCTION DETAILS

BLUE GOOSE MATERIALS

CASE: 2020-26-SDP DATE: 8-21-2020

REV. NO.	BY	DATE	REVISION DESCRIPTION	SHEET
13				OF 14