

SHEET INDEX:

- 1
- COVER
- 2
- GENERAL NOTES
- 3
- ZILKER TRAIN ROUTE OVERVIEW
- 4
- DEMOLITION PLAN
- 5
- LOU NEFF POINT TURN-AROUND
- 6
- TREE PROTECTION AND ENVIRONMENTAL NOTES & DETAILS
- 7
- TREE PROTECTION AND ENVIRONMENTAL NOTES & DETAILS
- 8
- CONSTRUCTION DETAILS

CITY OF AUSTIN, TEXAS

PARKS & RECREATION DEPARTMENT



C.I.P. NO. _____

ZILKER PARK TRAIN

NOTES:

1. CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT 24 HOURS PRIOR TO STARTING CONSTRUCTION OR CLEARING OPERATIONS.
2. CONTRACTOR SHALL CALL "ONE CALL" AT 1-800-344-8377 FOR UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET RIGHT OF WAYS.
3. THIS PROJECT IS LOCATED WITHIN THE LADY BIRD LAKE WATERSHED (CLASSIFIED AS URBAN) AND SHALL BE DEVELOPED, CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH CHAPTER 25 OF THE CODE OF THE CITY OF AUSTIN.
4. ☒ A / NO ☐ PORTION OF THIS SITE IS LOCATED WITHIN PARKLAND OR LAND USED FOR PARK PURPOSES. (IF SUCH LAND IS INCLUDED, DOCUMENTATION OF PARKS AND RECREATION DEPT APPROVAL IS REQUIRED AT THE TIME OF SUBMITTAL FOR GENERAL PERMIT PROGRAM APPROVAL.)
5. ☐ A / NO ☒ PORTION OF THIS SITE IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN, PER CITY OF AUSTIN AND FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS.
6. THIS PROJECT ☐ IS / IS NOT ☒ WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AS DEFINED BY THE CITY OF AUSTIN. THIS PROJECT ☐ IS /IS NOT ☒ WITHIN THE EDWARDS AQUIFER RECHARGE ZONE AS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).
7. THERE ☐ ARE / ARE NO ☒ CRITICAL ENVIRONMENTAL FEATURES WITHIN 150' OF ANY PORTION OF THIS PROJECT. A FIELD INVESTIGATION ☐ HAS BEEN PERFORMED AS A PART OF THIS PROJECT. A FIELD INVESTIGATION ☐ HAS NOT BEEN PERFORMED AS A PART OF THIS PROJECT AND IS NOT REQUIRED.
8. THE STANDARD SHEETS INCLUDED IN THIS PLAN SET WERE PROVIDED BY THE GENERAL PERMIT PROGRAM OFFICE FOR USE ON GENERAL PERMIT PROJECTS ONLY. IF ANY MODIFICATIONS TO THE SHEETS WERE MADE, THEY ARE CLEARLY INDICATED ON THE SHEET ITSELF AND IN THE COVER SHEET INDEX.
9. ADDITIONAL TRENCH E/S CONTROL: TRIANGULAR SEDIMENT FILTER DIKE WILL BE INSTALLED ACROSS FULL WIDTH OF TRAFFIC CLOSURE AND DOWNSTREAM OF CONSTRUCTION AREA, PERPENDICULAR TO CURB. FILTER DIKE TO FOLLOW ACTIVE CONSTRUCTION. REMOVING AND RE-SETTING FILTER DIKE IS CONSIDERED SUBSIDIARY TO BARRICADES AND TRAFFIC HANDLING.
10. PROJECT SCHEDULE MUST BE APPROVED BY THE GENERAL PERMIT PROGRAM (GPP) COORDINATOR. INSTALLATION AND REMOVAL OF TEMPORARY AND PERMANENT EROSION/SEDIMENTATION CONTROLS MUST BE REFLECTED IN THE SCHEDULE, BY STATION NUMBER. GPP INSPECTOR MUST BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF TRANSITION BETWEEN PHASES.
11. APPROPRIATE EASEMENTS/APPROVALS MUST BE SECURED AND DOCUMENTED FOR PROJECT AREAS LOCATED OUTSIDE OF RIGHT OF WAYS. NO WORK SHALL BE PERFORMED WITHIN THESE AREAS UNTIL ASSOCIATED RIGHT OF ENTRY HAS BEEN SECURED. ADDITIONALLY, PROJECT PORTIONS IMPACTED BY LACK OF RECORDED DOCUMENT NUMBERS WILLO NOT BE CONSIDERED FOR FORMAL GPP REVIEW.
12. CONTRACTOR SHALL STAKE ALL PROPOSED SERVICE CONNECTIONS LOCATED WITHIN THE CRITICAL ROOT ZONE OF TREES 8" IN CALIPER AND LARGER AT LEAST 21 CALENDAR DAYS PRIOR TO CONSTRUCTION OF SUCH SERVICES. STAKING SHALL CONSIST OF A LATH WITH NAIL AND PAINT MARKINGS. IN CASES WHERE A STAKE CANNOT BE PLACED WITHOUT DAMAGING PROPERTY, CONTRACTOR MAY USE PAINT ONLY. ONCE STAKING IS COMPLETED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INFORM THE CITY OF AUSTIN'S CONSTRUCTION INSPECTOR WITHIN TWENTY-FOUR HOURS. THE CITY OF AUSTIN'S CONSTRUCTION INSPECTOR WILL THEN COORDINATE A FIELD REVIEW OF THE SERVICE LOCATIONS WITH THE GENERAL PERMIT PROGRAM COORDINATOR AND PROPERTY OWNERS. SERVICE LINE LOCATIONS MAY BE ADJUSTED BASED ON THE REVIEW AND WILL BE RESTAKED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL SERVICE LINE STAKING SHALL BE MAINTAINED UNTIL THE SERVICE IS INSTALLED.

TRAFFIC CONTROL PLANS

THIS NOTE IS BEING PLACED ON THE PLAN SET IN THE ABSENCE OF A TEMPORARY TRAFFIC CONTROL STRATEGY WITH THE FULL UNDERSTANDING THAT, AT A MINIMUM OF 6 WEEKS PRIOR TO THE START OF CONSTRUCTION, A TEMPORARY TRAFFIC CONTROL PLAN MUST BE REVIEWED AND APPROVED BY RIGHT OF WAY MANAGEMENT DIVISION. THE OWNER/ REPRESENTATIVE FURTHER RECOGNIZE THAT A REVIEW FEE, AS PRESCRIBED BY THE MOST CURRENT VERSION OF THE CITY'S FEE ORDINANCE, SHALL BE PAID EACH TIME A PLAN OR PLAN REVISION IS SUBMITTED TO RIGHT OF WAY MANAGEMENT DIVISION FOR REVIEW.

GENERAL PERMIT PROGRAM CORRECTIONS RECORD						
No.	DESCRIPTION	BY	CORRECT (C) ADD (A) VOID (V) SHEET Nos.	TOTAL No. SHEETS IN CORRECTION PLAN SET	CITY OF AUSTIN APPROVAL/DATE	DATE IMAGED

NOTES:

GENERAL PERMIT PROGRAM APPROVAL DOES NOT CONSTITUTE UTILITY ALIGNMENT / ASSIGNMENT APPROVAL.

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.

The logo for Dunaway, featuring a stylized 'D' followed by the word "DUNAWAY" in a bold, sans-serif font.

TX Registered Engineering Firm #F-1114

5707 SOUTHWEST PARKWAY

BUILDING 2, SUITE 250

AUSTIN, TX 78735

PHONE: 512-306-8252

PROJECT INFORMATION:

STREET ADDRESS:

2100 LOU NEFF ROAD

AUSTIN, TEXAS 78746

OWNER:

CITY OF AUSTIN

PARKS AND RECREATION DEPARTMENT

CONTACT:

D'ANNE WILLIAMS, PLA

PROJECT MANAGER

AUSTIN PARKS AND RECREATION

919 WEST 28 ½ STREET, AUSTIN, TX 78705

512-974-9456

PATRICK BEYER, PLA

PROJECT MANAGER

AUSTIN PARKS AND RECREATION

919 WEST 28 ½ STREET, AUSTIN, TX 78705

512-974-9776

SUBMITTAL PREPARED BY:

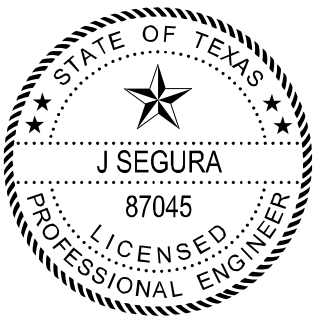
KATIE ROBILLARD, PLA

AUSTIN PARKS FOUNDATION

1023 SPRINGDALE ROAD, #4B

AUSTIN, TX 78721

512-253-7610



SUBMITTED FOR APPROVAL BY:

A handwritten signature in black ink, appearing to read "J Segura".

ENGINEER OF RECORD

12/17/2020

DATE

APPROVED BY GENERAL PERMIT HOLDER:

FOR GENERAL PERMIT HOLDER

DATE

GP-20-_____.PAR

ANNUAL GENERAL PERMIT NUMBER

APPROVALS:

CITY OF AUSTIN PARKS AND RECREATION DEPARTMENT

DATE

GENERAL CONSTRUCTION NOTES

CONTRACTOR MUST OBTAIN RIGHT-OF-WAY EXCAVATION PERMITS, FOR EACH RIGHT-OF-WAY EXCAVATED, FROM THE CITY OF AUSTIN TRANSPORTATION DEPARTMENT. RIGHT-OF-WAY MANAGEMENT DIVISION (512-974-7265) PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL PROVIDE A ONE CALL CENTER CONFIRMATION NUMBER.

PRIOR TO ANY DIRECTIONAL DRILLING OR BORING, CONTRACTOR MUST CONTACT THE CITY OF AUSTIN TRANSPORTATION DEPARTMENT - CONSTRUCTION INSPECTION DIVISION (512-974-7161) TO SCHEDULE A MANDATORY PRE-BORE INSPECTION.

CITY OF AUSTIN UTILITIES REQUIRE A MINIMUM 2' (FOOT) VERTICAL AND 5' (FOOT) HORIZONTAL SEPARATION DISTANCE, MEASURED FROM OUTER DIAMETER TO OUTER DIAMETER. ANY VARIANCE/WAIVER FROM CITY UTILITIES CRITERIA MUST BE OBTAINED IN WRITING AND SUBMITTED TO THE CITY OF AUSTIN TRANSPORTATION DEPARTMENT. RIGHT-OF-WAY MANAGEMENT DIVISION (512-974-7265).

ALL STREET TRENCH REPAIRS ARE TO BE DONE IN ACCORDANCE WITH CITY OF AUSTIN STANDARD DETAILS FROM THE 1100 SERIES.

ALL TRENCH REPAIR IN UNFINISHED SURFACES TO BE DONE IN ACCORDANCE WITH CITY OF AUSTIN STANDARD DETAIL 510S-5.

FOR EXCAVATION WITHIN 100 FEET OF A MOONLIGHT TOWER OR WITHIN 100 FEET OF A GUY WIRE SUPPORTING A MOONLIGHT TOWER, EXCAVATION OR CONSTRUCTION PLANS AND SEQUENCING INFORMATION THAT DEMONSTRATES THAT THE MOONLIGHT TOWER WILL BE ADEQUATELY PROTECTED FROM DAMAGE DURING EXCAVATION OR CONSTRUCTION MUST BE SUBMITTED FOR APPROVAL TO CITY OF AUSTIN- AUSTIN ENERGY (512-505-7611).

VERIFY THE LOCATION OF UNDERGROUND UTILITIES AT LEAST 100' (FEET) IN ADVANCE OF ALL PROPOSED UTILITY CROSSINGS, AND ALSO LOCATIONS WHERE THE PROPOSED FACILITIES ARE DEPICTED TO RUN PARALLEL TO AND WITHIN FIVE FEET OF EXISTING FACILITIES.

CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF TRANSPORTATION DEPARTMENT, RIGHT-OF-WAY MANAGEMENT DIVISION AT 974-7161 PRIOR TO THE INSTALLATION OF ANY FACILITY WITHIN A DRAINAGE EASEMENT OR STREET R.O.W. THE METHODS OF PLACEMENT AND COMPACTION OF BACKFILL IN THE CITY'S R.O.W. MUST BE APPROVED PRIOR TO START OF THE BACKFILL OPERATION.

FOR SLOPES OR TRENCHES MORE THAN FIVE (5) FEET IN DEPTH, A NOTE MUST BE ADDED TO THE GENERAL CONSTRUCTION NOTES STATING THAT: "ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD SPECIFICATIONS ITEM NO. 509 AND APPLICATION REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)". COPIES OF THE OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE. INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 611 E. 6TH STREET, AUSTIN, TEXAS.

DEVELOPER INFORMATION:

OWNER: CITY OF AUSTIN
PARKS AND RECREATION DEPARTMENT

CONTACT: D'ANNE WILLIAMS, PLA
PROJECT MANAGER
AUSTIN PARKS AND RECREATION
919 WEST 28 ½ STREET, AUSTIN, TX 78705
512-974-9456

ADDRESS: 919 WEST 28 ½ STREET
AUSTIN, TEXAS 78705

PHONE: (512) 974-9456

CONTACT: PATRICK BEYER, PLA
PROJECT MANAGER
AUSTIN PARKS AND RECREATION
919 WEST 28 ½ STREET, AUSTIN, TX 78705
512-974-977

ADDRESS: 919 WEST 28 ½ STREET
AUSTIN, TEXAS 78705

PHONE: (512) 974-9456

OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS:

COMPANY: DUNAWAY ASSOCIATES

CONTACT: J SEGURA, PE

ADDRESS: 5707 SOUTHWEST PARKWAY
BUILDING 2, STE. 250
AUSTIN, TEXAS 78735

PHONE: (512) 695-9944 (MOBILE)

PARTY RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE:
COMPANY: CONTRACTOR

PARTY RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE:
COMPANY: CONTRACTOR

ELECTRICAL GUIDELINES

- AUSTIN ENERGY HAS THE RIGHT TO PRUNE AND/OR REMOVE TREES, SHRUBBERY AND OTHER OBSTRUCTIONS TO THE EXTENT NECESSARY TO KEEP THE EASEMENT CLEAR. AUSTIN ENERGY WILL PERFORM ALL TREE WORK IN COMPLIANCE WITH CHAPTER 25-8, SUBCHAPTER B OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.
- THE OWNER/DEVELOPER OF THIS SUBDIVISION/LOT SHALL PROVIDE AUSTIN ENERGY WITH ANY EASEMENT AND/OR ACCESS AREA REQUIRED, IN ADDITION TO THOSE INDICATED, FOR THE INSTALLATION AND ONGOING MAINTENANCE OF OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES. THESE EASEMENTS AND/OR ACCESS ARE REQUIRED TO PROVIDE ELECTRIC FACILITIES DESIGNED TO PROVIDE ELECTRIC SERVICE TO THIS PROJECT. THE OWNER SHALL INCLUDE AUSTIN ENERGY'S WORK WITHIN THE LIMITS OF CONSTRUCTION FOR THIS PROJECT.
- THE OWNER OF THE PROPERTY IS RESPONSIBLE FOR MAINTAINING CLEARANCES REQUIRED BY THE NATIONAL ELECTRIC SAFETY CODE, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATION, CITY OF AUSTIN RULES AND REGULATION AND TEXAS STATE LAWS PERTAINING TO CLEARANCES WITHIN WORKING IN CLOSE PROXIMITY TO OVERHEAD POWER LINES AND EQUIPMENT. AUSTIN ENERGY WILL NOT RENDER ELECTRIC SERVICE UNLESS REQUIRED CLEARANCES ARE MAINTAINED. ALL COST INCURRED BECAUSE OF FAILURE TO COMPLY WITH THE REQUIRED CLEARANCES WILL BE CHARGED TO THE OWNER.
- COMPLIANCE WITH THE COMMERCIAL AND MULTI-FAMILY RECYCLING ORDINANCE IS MANDATORY FOR MULTI-FAMILY COMPLEXES WITH 100 OR MORE UNITS AND BUSINESSES AND OFFICES BUILDINGS WITH 100 OR MORE EMPLOYEES ON SITE.
- UPON COMPLETION OF THE PROPOSED SITE IMPROVEMENTS AND PRIOR TO THE FOLLOWING, THE ENGINEERING SHALL CERTIFY IN WRITING THAT THE PROPOSED DRAINAGE, FILTRATION AND DETENTION FACILITY WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS. RELEASE OF THE CERTIFICATED OF OCCUPANCY BY THE WATERSHED PROTECTION AND DEVELOPMENT REVIEW DEPARTMENT; (INSIDE THE CITY LIMITS); OR INSTALLATION OF AN ELECTRIC OR WATER METER (IN THE FIVE MILE ETJ).

ACCESSIBILITY SITE NOTES

SITE GRADING SHALL COMPLY WITH THE TEXAS ACCESSIBILITY STANDARDS EXISTING AT THE TIME OF PLAN APPROVAL. GRADING SHOWN ON THE PLANS IS INTENDED TO COMPLY WITH SUCH STANDARDS AND SHOULD THE CONTRACTOR DETERMINE THAT COMPLIANCE WITH THE STANDARDS IS NOT CONSISTENT WITH THE SITE PLAN OR ELEVATIONS, HE SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR A REMEDY.

ACCESSIBLE ROUTES (SIDEWALKS, PATHS, ETC)

- RUNNING SLOPES SHALL NOT EXCEED 1:20 (5%) OTHER THAN FOR RAMPS. SEE RAMP REQUIREMENTS BELOW.
- CROSS SLOPE SHALL NOT EXCEED 1:50 (2%).
- GROUND SURFACES SHALL BE RELATIVELY FIRM, STABLE AND SMOOTH. GRANITE PATHS WHERE SHOWN ON THE PLANS SHALL BE SUFFICIENTLY COMPACTED.
- CHANGES IN LEVEL SHALL NOT EXCEED 1/2 ". 1/2 " CHANGE IN LEVEL MUST HAVE A BEVELED EDGE OF 1:2. 1/4 " CHANGE IN LEVEL OR LESS DOES NOT HAVE TO PROVIDE A BEVELED EDGE.
- MANEUVERING CLEARANCE (60") AT ACCESSIBLE ENTRANCES SHALL NOT EXCEED 1:50 (2% SLOPE).
- A 60" X 60" PASSING SPACE SHALL BE PROVIDED EVERY 200' ALONG AN ACCESSIBLE ROUTE.

PARKING

- SLOPE IN ACCESSIBLE PARKING AREAS (PARKING SPACE AND ACCESS AISLE) SHALL NOT EXCEED 1:50 (2%) SLOPE IN ALL DIRECTIONS.
- EACH ACCESSIBLE PARKING SPACE SHALL PROVIDE AN ADJACENT ACCESS AISLE (5' FOR STANDARDS ACCESSIBLE SPACES AND 8' FOR VAN ACCESSIBLE SPACES).
- EVERY ACCESSIBLE PARKING SPACE MUST BE IDENTIFIED BY A SIGN, CENTERED AT THE HEAD OF THE PARKING SPACE. THE SIGN MUST INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND STATE "RESERVED" OR OTHER EQUIVALENT LANGUAGE. CHARACTERS AND SYMBOLS ON SUCH SIGNS MST BE LOCATED 60" MINIMUM ABOVE THE GROUND SO THAT THEY CANNON BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.
- WHERE THE ACCESSIBLE ROUTE PASSES IN FRONT OF VEHICLES, WHEEL STOPS SHALL BE PROVIDED TO PREVENT VEHICLES FROM PULLING UP AND BLOCKING THE ACCESSIBLE ROUTE. ENOUGH SPACE SHALL BE ALLOWED TO MAINTAIN A MINIMUM OF 36" WIDE ACCESSIBLE ROUTE.

CURB RAMPS

- SLOPE SHALL NOT EXCEED 1:12 (8.3%). FLARED SIDES SHALL NOT EXCEED 1:10. CROSS SLOPE SHALL TO EXCEED 1:50 (2%).
- FULL WIDTH AND DEPTH OF CURB RAMP SURFACES SHALL PROVIDE A CONTRASTING LIGHT REFLECTIVE VALUE (COLOR) AND TEXTURE. TEXTURE MAY CONSIST OF TRUNCATED DOMES OR 3/4" WIDE GROOVES, 1/4" DEEP AND 2" APART. COLOR SHALL CONTRAST AT LEAST 70% FROM ADJACENT SURFACES.
- MINIMUM RAMP WIDTH SHALL BE 36".
- WHERE AN ACCESSIBLE ROUTE CROSSES A CURB RAMP, IT SHALL CIRCUMVENT THE CURB RAMP SO AS TO NOT REQUIRE THE USER TO CROSS OVER THE CURB RAMP.
- CURB RAMPS ARE NOT PERMITTED TO PROJECT INTO THE ACCESSIBLE PARKING ACCESS AISLES.
- TRANSITIONS FROM GUTTER OR STREET TO CURB RAMPS SHALL BE FLUSH.

OTHER RAMPS

- MAXIMUM SLOPE SHALL BE 1:12 (8.3%).
- RAMPS OVER 6' IN LENGTH REQUIRE HANDRAILS ON BOTH SIDES.
- HANDRAIL HEIGHT SHALL BE 34" - 36" ABOVE RAMP SURFACE.
- HANDRAIL DIAMETER - 1.25" TO 1.5".
- EDGE PROTECTION IS REQUIRED WHERE DROP OFFS OCCUR.
- 12 "MINIMUM HANDRAIL EXTENSIONS ARE REQUIRED AT LANDINGS, EXCEPT WHERE HANDRAILS ARE CONTINUOUS. HANDRAIL EXTENSIONS SHALL EXTEND IN THE SAME DIRECTION AS THE RAMP.
- MAXIMUM RUN BETWEEN LANDINGS SHALL BE 30".
- 60" LEVEL (2% MAX. SLOPE) LANDINGS REQUIRED AT TOP AND BOTTOM OF EACH RUN. A 60" X 60" LANDING REQUIRED WHERE A RAMP CHANGES DIRECTION.





TX Registered Engineering Firm #F-1114

5707 SOUTHWEST PARKWAY
BUILDING 2, SUITE 250
AUSTIN, TX 78735
PHONE: 512-306-8252

GENERAL PERMIT OFFICE

GENERAL NOTES

CITY OF AUSTIN STANDARD NOTES AND DETAILS

REVISIONS

NO.	BY	DATE	REVISIONS

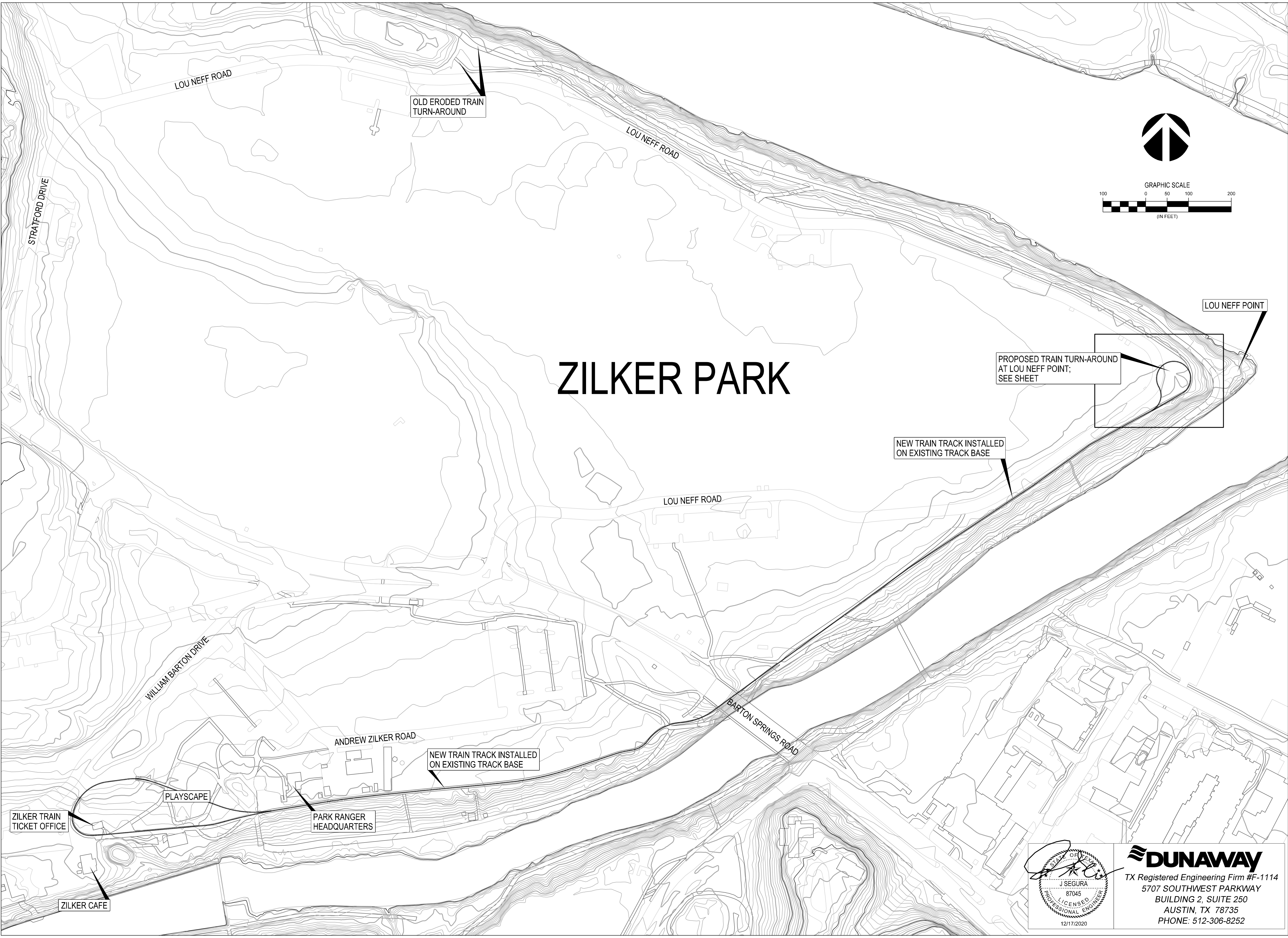
SHEET INFORMATION

DATE 12/17/2020

SHEET 2 OF 8

CAD REF. NO.

GENERAL PERMIT PROGRAM





GENERAL PERMIT OFFICE

ZILKER TRAIN ROUTE OVERVIEW

CITY OF AUSTIN STANDARD NOTES AND DETAILS

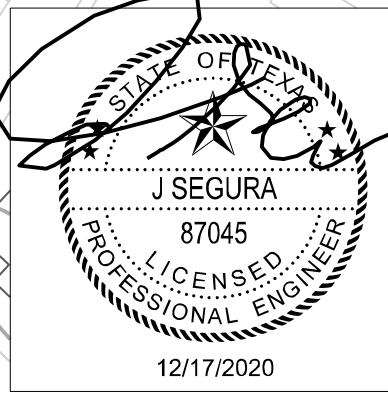
REVISIONS	
NO.	DATE

SHEET INFORMATION

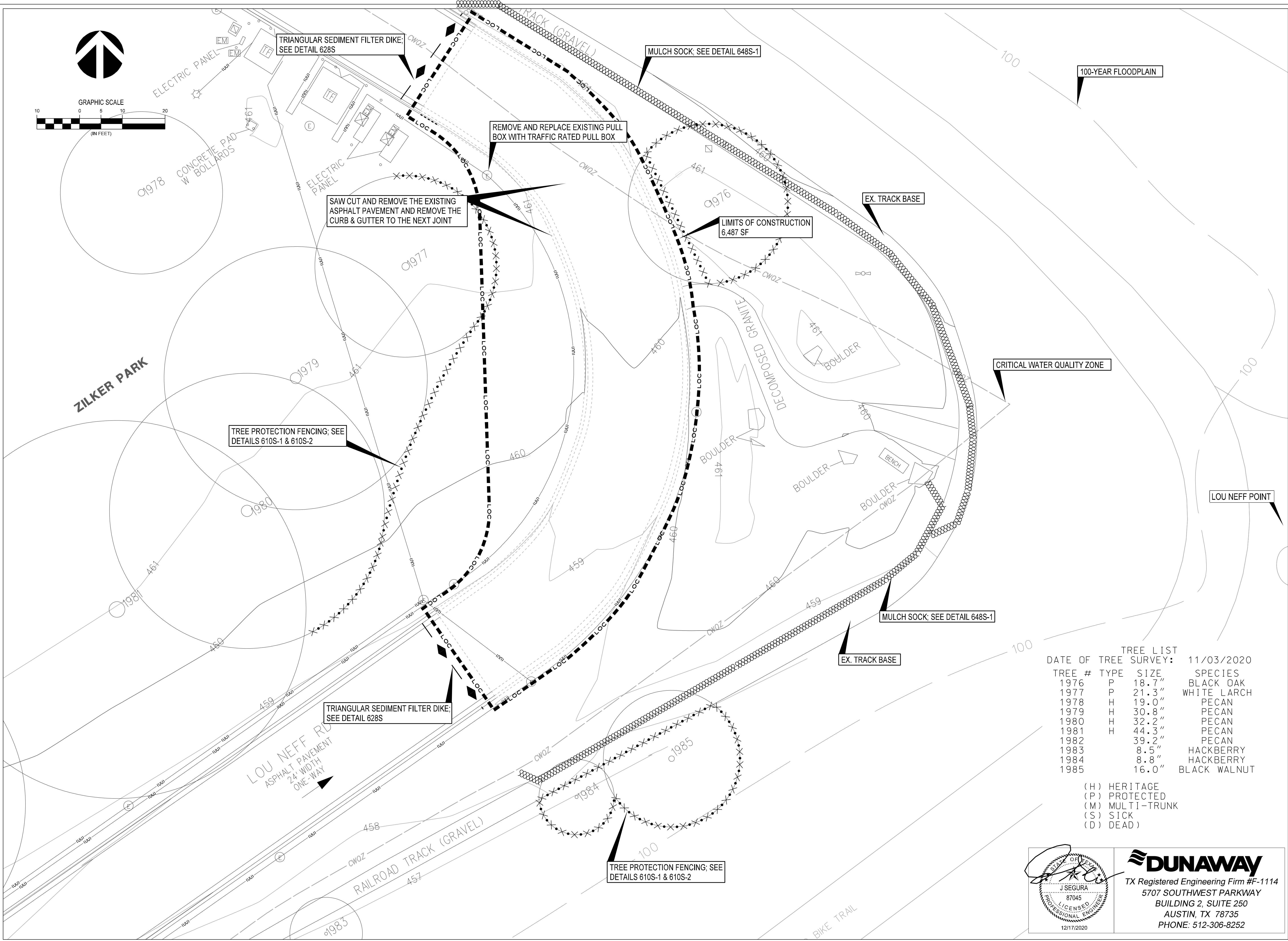
DATE 12/17/2020

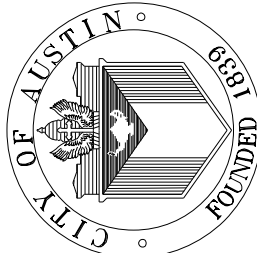
SHEET 3 OF 8

CAD REF. NO.



DUNAWAY
TX Registered Engineering Firm #F-1114
5707 SOUTHWEST PARKWAY
BUILDING 2, SUITE 250
AUSTIN, TX 78735
PHONE: 512-306-8252

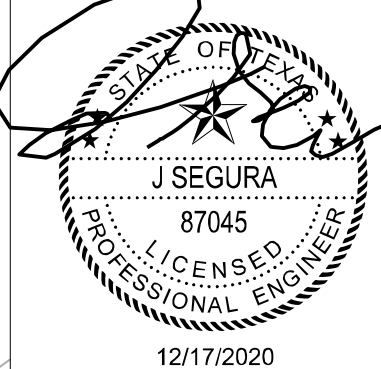




GENERAL PERMIT OFFICE
DEMOLITION PLAN
CITY OF AUSTIN STANDARD NOTES AND DETAILS

NO.	BY	DATE	REVISIONS	REMARKS

SHEET INFORMATION
DATE 12/17/2020
SHEET 4 OF 8
CAD REF. NO. _____



DUNAWAY
TX Registered Engineering Firm #F-1114
5707 SOUTHWEST PARKWAY
BUILDING 2, SUITE 250
AUSTIN, TX 78735
PHONE: 512-306-8252

DATE OF TREE SURVEY: 11/03/2020

TREE #	TYPE	SIZE	SPECIES
1976	P	18.7"	BLACK OAK
1977	P	21.3"	WHITE LARCH
1978	H	19.0"	PECAN
1979	H	30.8"	PECAN
1980	H	32.2"	PECAN
1981	H	44.3"	PECAN
1982		39.2"	PECAN
1983		8.5"	HACKBERRY
1984		8.8"	HACKBERRY
1985		16.0"	BLACK WALNUT

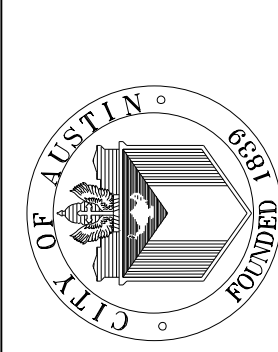
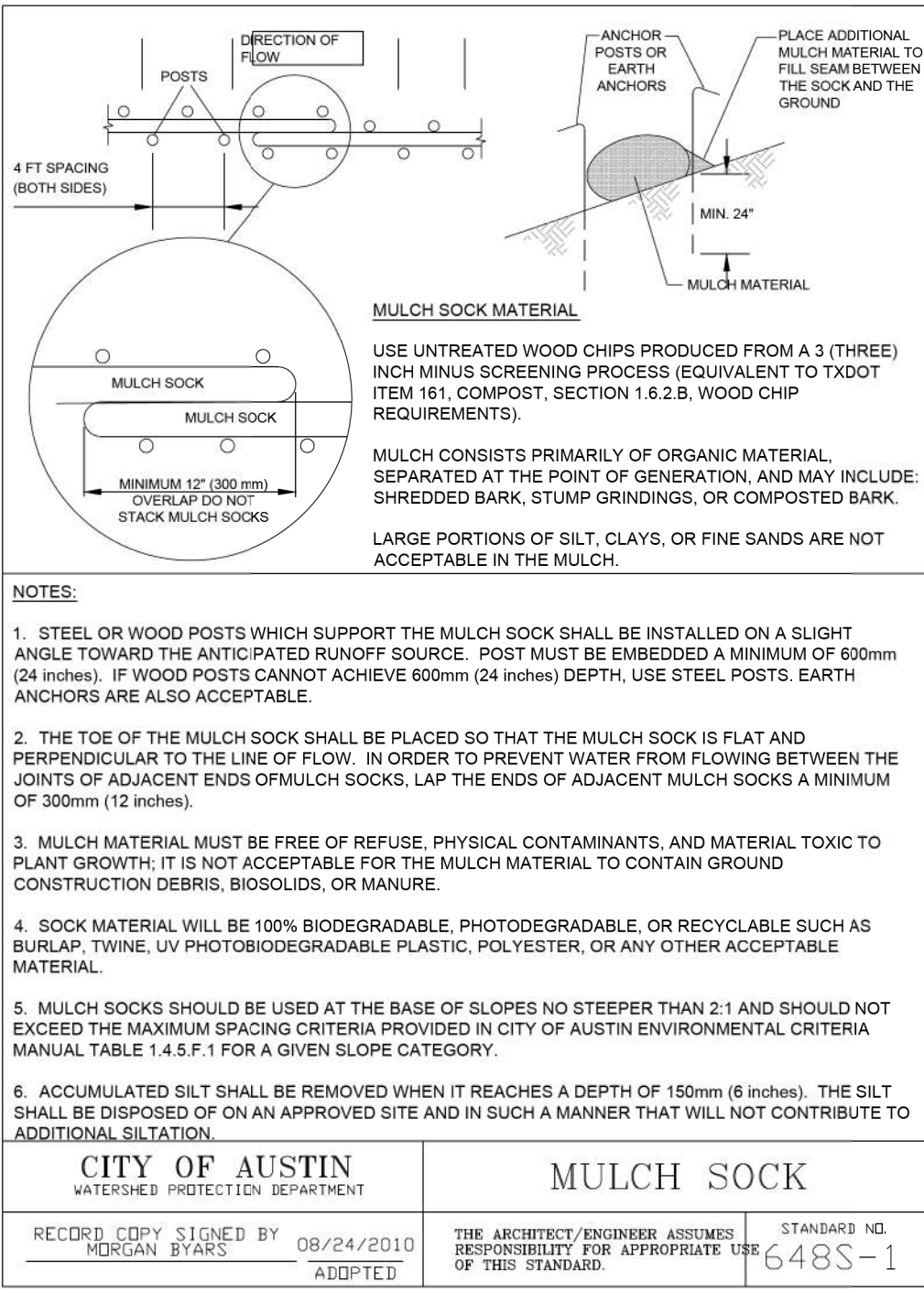
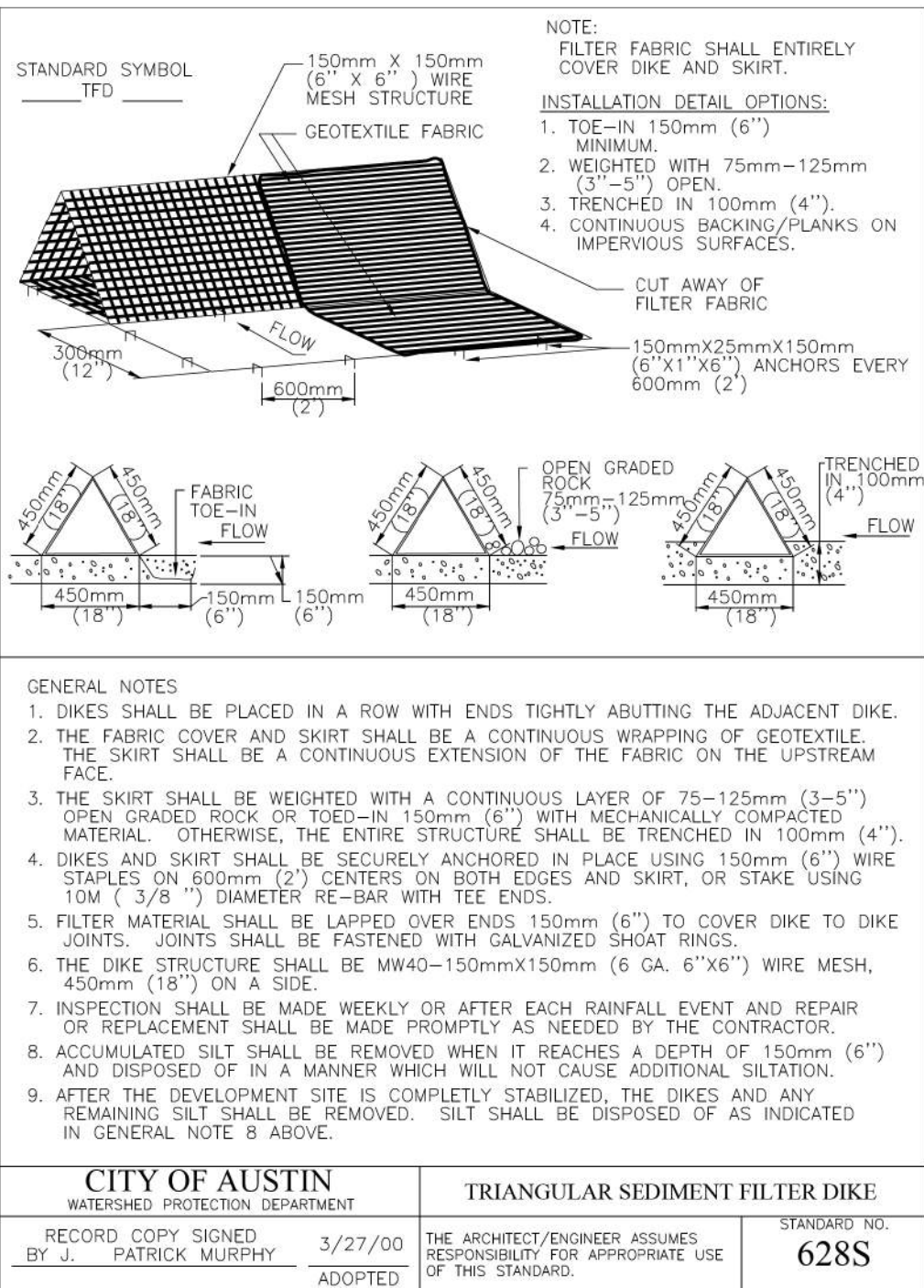
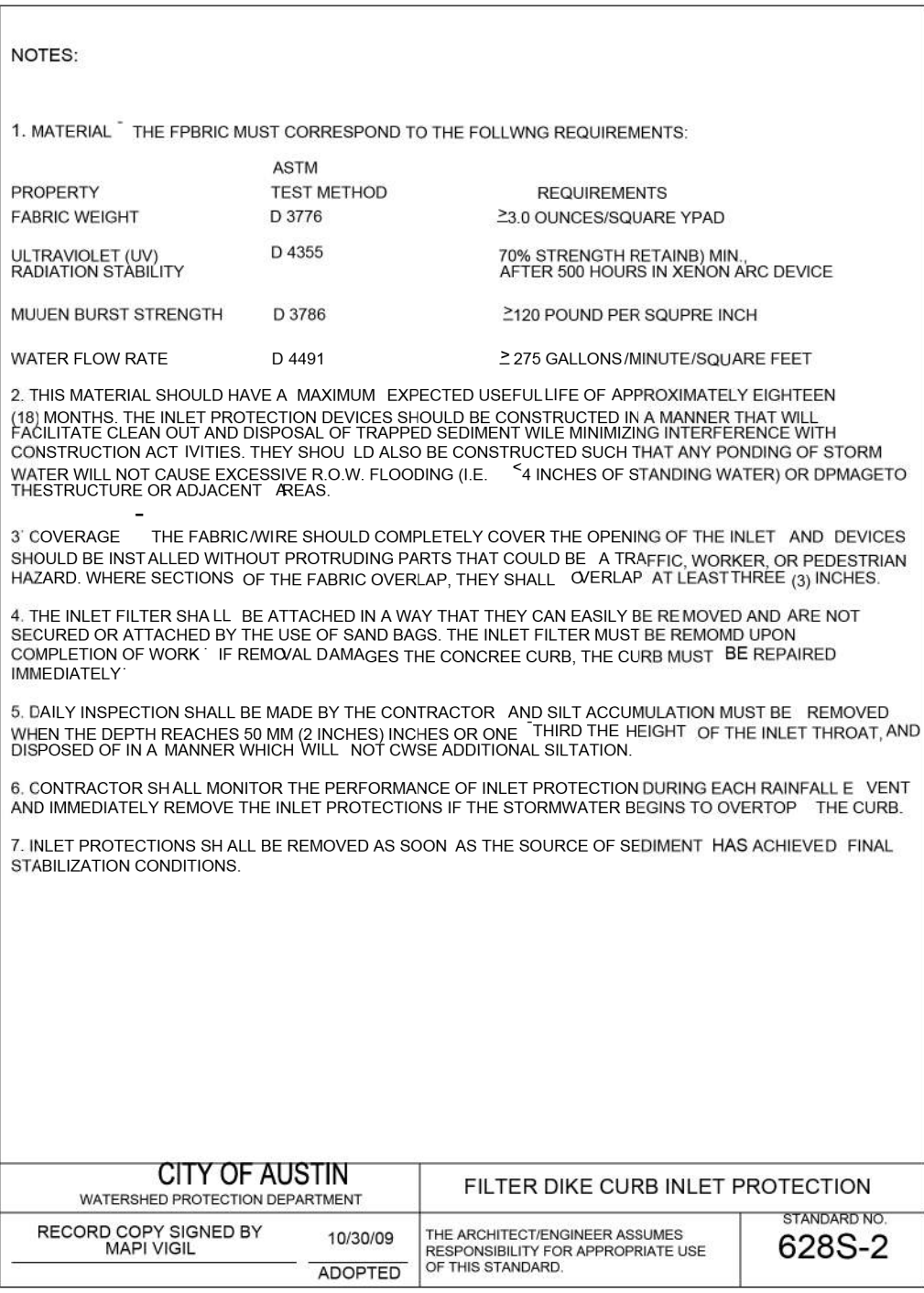
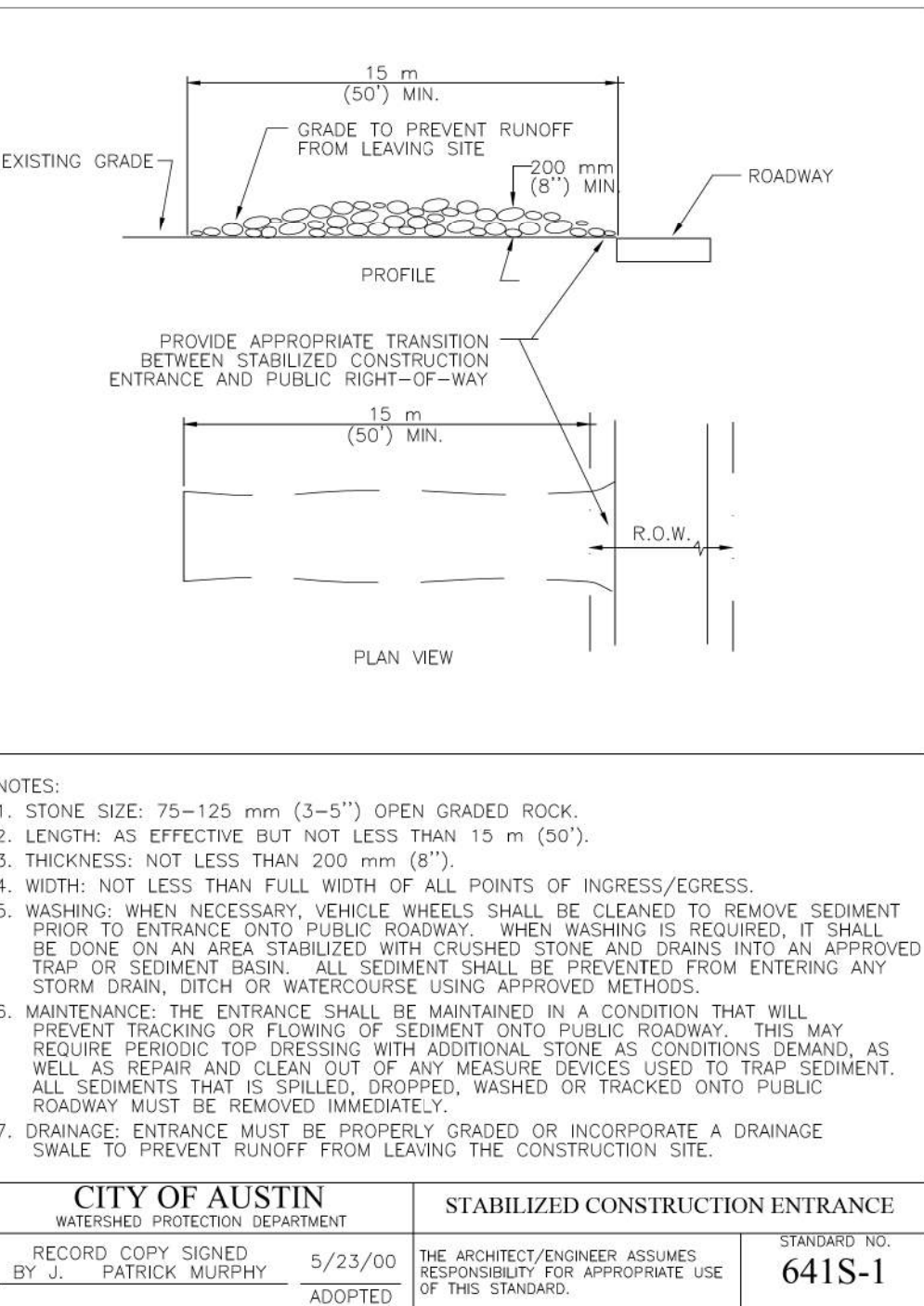
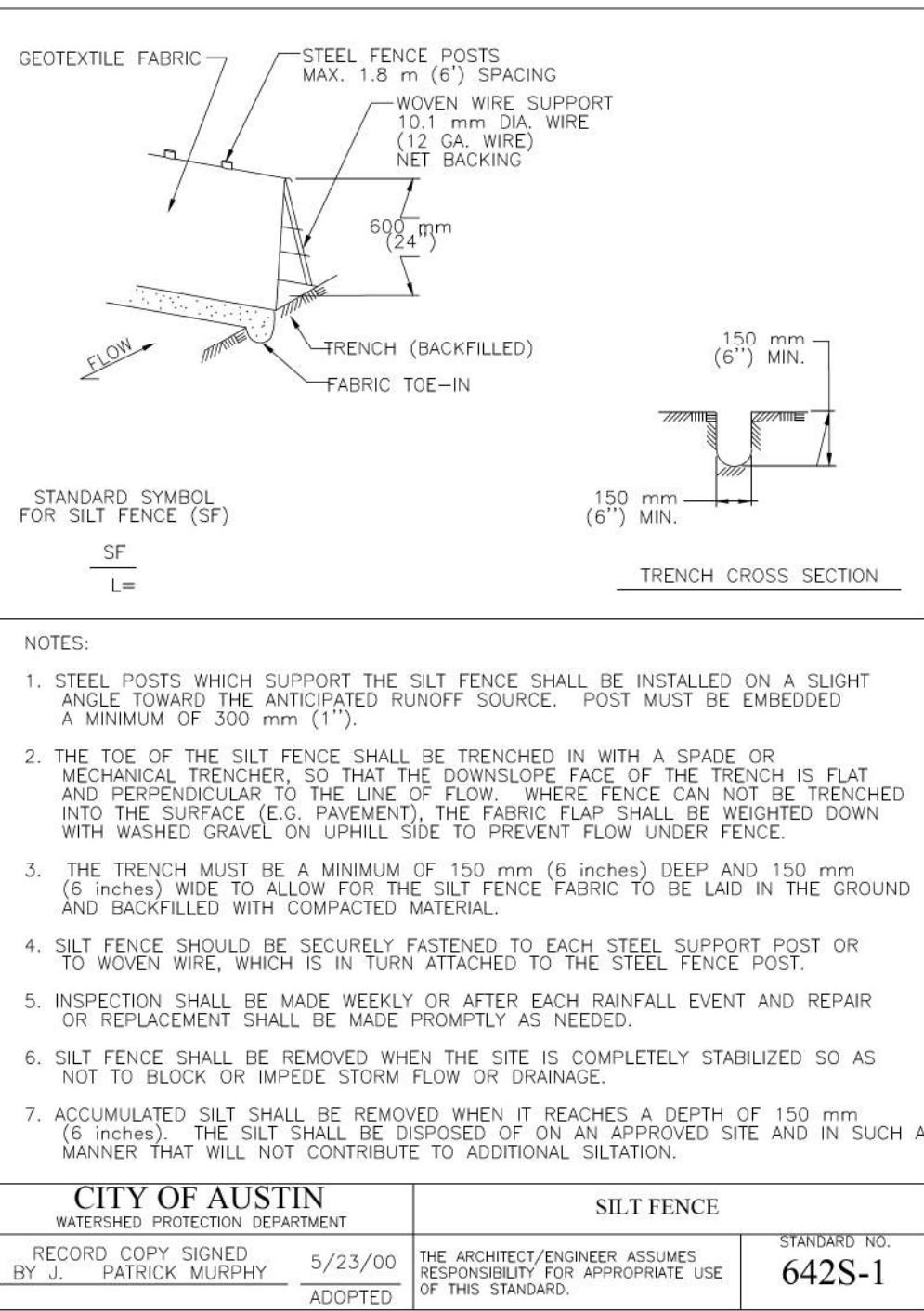
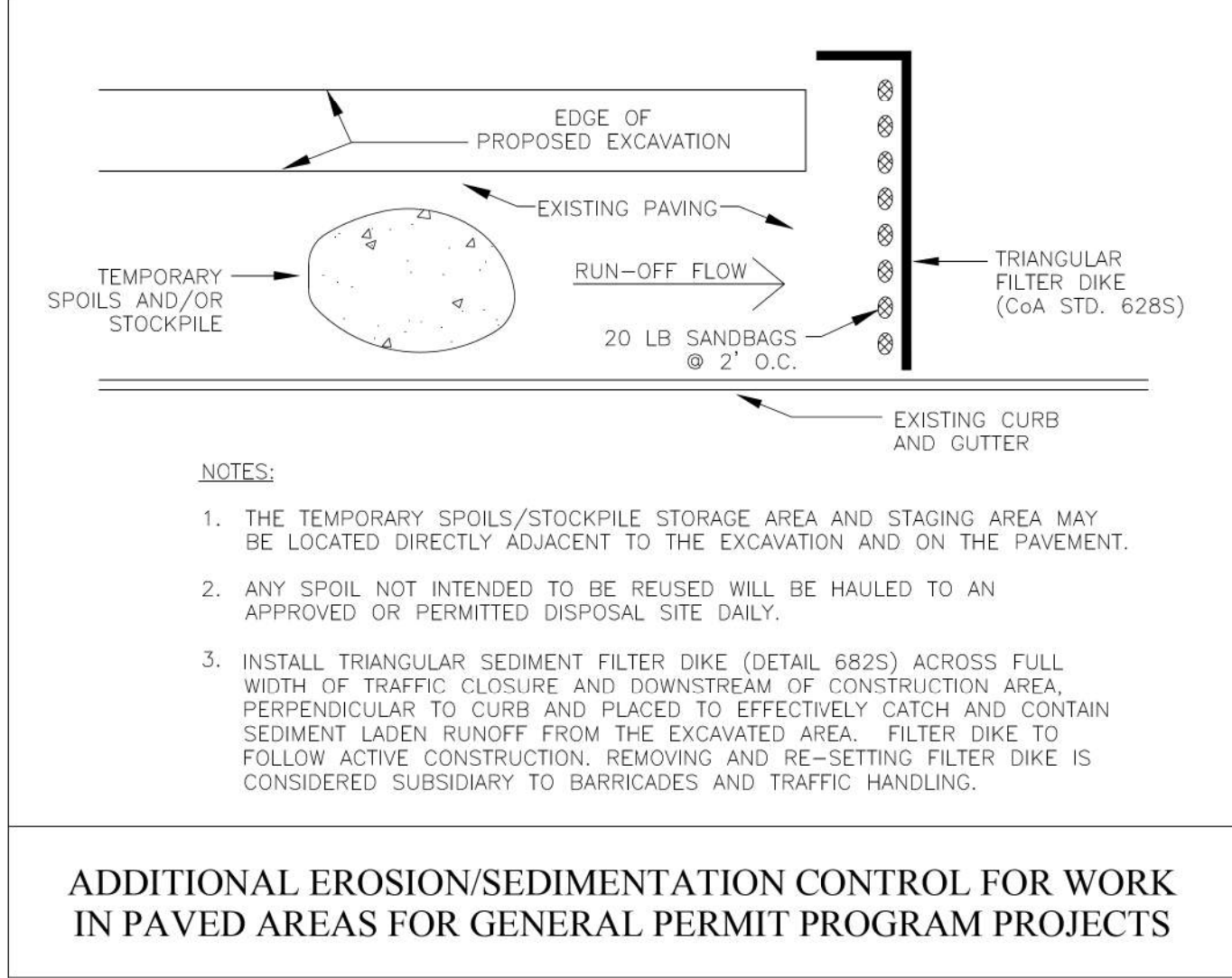
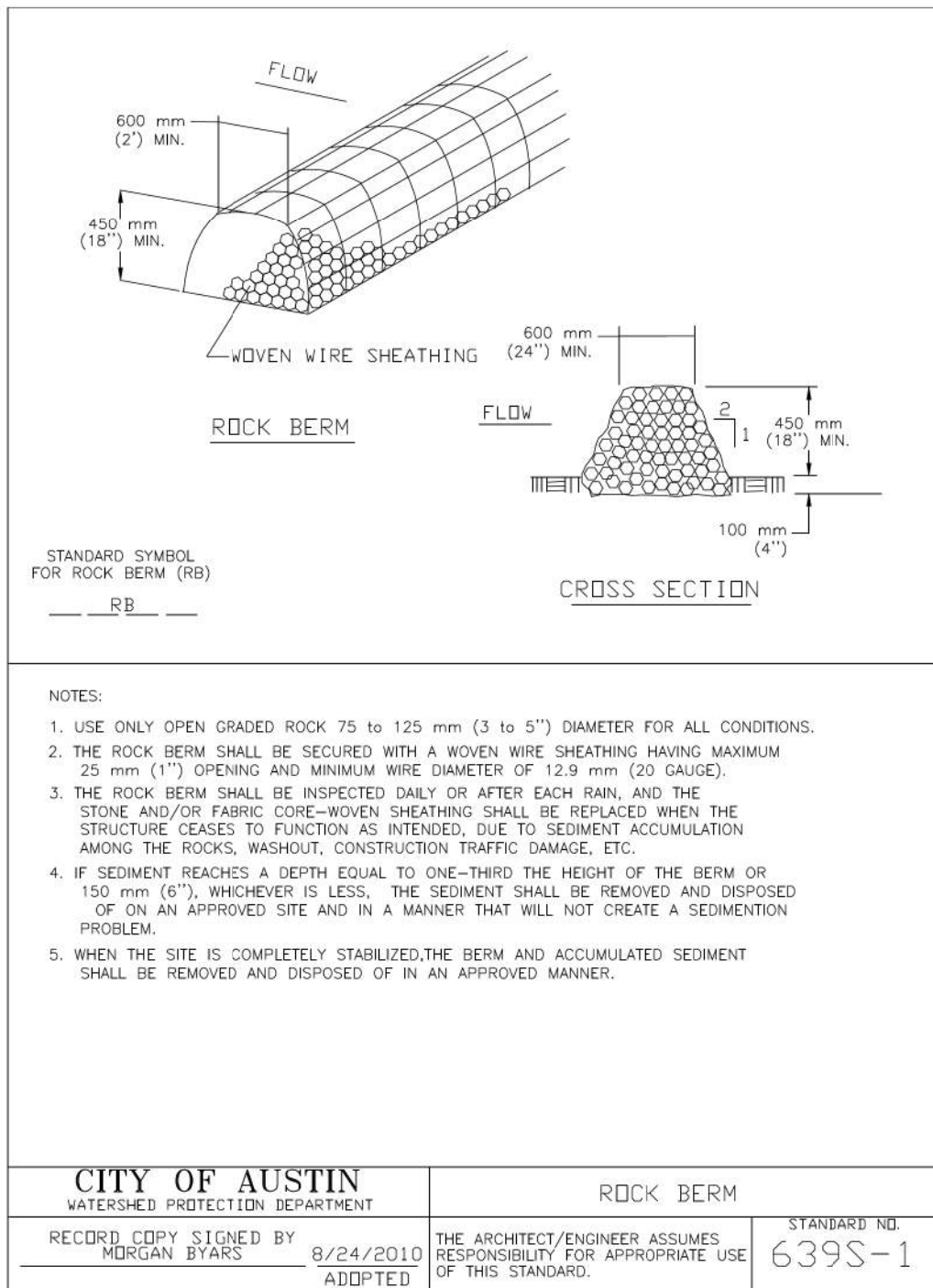
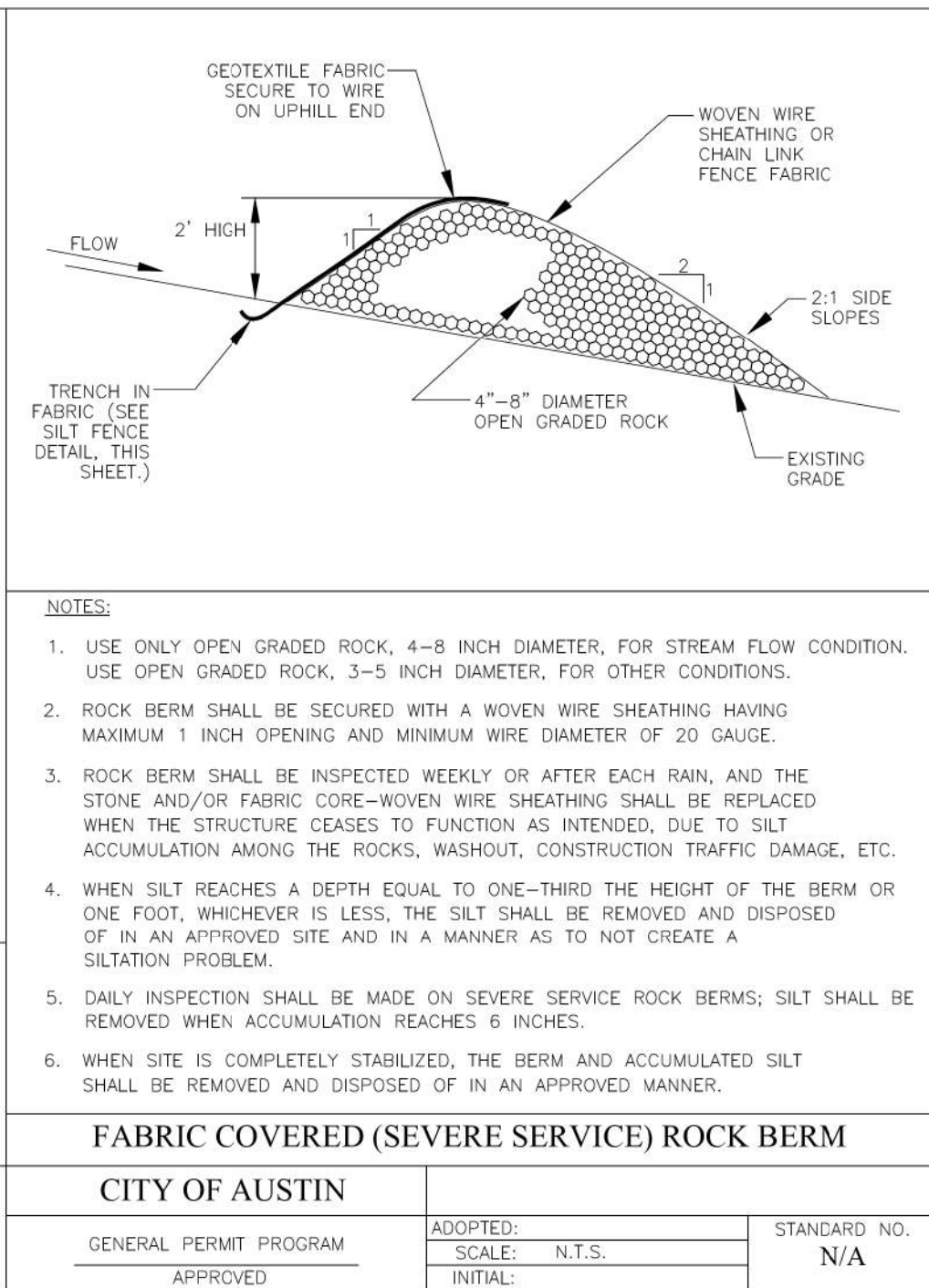
(H) HERITAGE
(P) PROTECTED
(M) MULTI-TRUNK
(S) SICK
(D) DEAD



05

CITY OF AUSTIN – STANDARD NOTES
EROSION AND SEDIMENTATION CONTROL
(MODIFIED FOR USE ON GENERAL PERMIT PROJECTS)

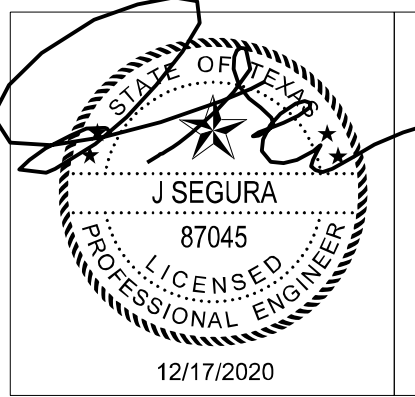
1. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR EXCAVATION).
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
3. THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN.
4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER, PERMIT APPLICANT, AND GENERAL PERMIT PROGRAM REPRESENTATIVE AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS AND THE TREE/NATURAL AREA PROTECTION MEASURES AND PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE CONTRACTOR SHALL NOTIFY THE GENERAL PERMIT PROGRAM OFFICE AT 512/974-6330, AT LEAST 3 DAYS PRIOR TO THE MEETING DATE.
5. ANY SIGNIFICANT VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS MUST BE APPROVED BY THE REVIEWING ENGINEER AND THE GENERAL PERMIT PROGRAM REPRESENTATIVE.
6. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT DAILY INTERVALS AND AFTER SIGNIFICANT 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. SILT ACCUMULATION AT INLET DEVICES SHOULD BE REMOVED WHEN THE DEPTH REACHES TWO (2) INCHES.
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 OR LARGER 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 THE GENERAL PERMIT PROGRAM REPRESENTATIVE FOR FURTHER INVESTIGATION.
9. FIELD REVISIONS TO THE EROSION/SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES. ANY REVISIONS TO THE PERMITTED PLAN MUST BE APPROVED BY THE GENERAL PERMIT PROGRAM OFFICE OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT.
10. PERMANENT EROSION/SEDIMENTATION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WHERE THE CRITERIA MANUAL AND CONTRACT DOCUMENTS DIFFER THE MOST ENVIRONMENTALLY BENEFICIAL MATERIALS/METHOD SHALL BE REQUIRED UNLESS OTHERWISE APPROVED BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE.
11. DEVELOPER INFORMATION:
- OWNER:
- COMPANY: CITY OF AUSTIN
- CONTACT:
- ADDRESS:
- PHONE:
- E-MAIL:
- OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS:
- COMPANY:
- CONTACT:
- ADDRESS:
- PHONE:
- E-MAIL:
- PARTY RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE:
- COMPANY: CONTRACTOR
- PARTY RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE:
- COMPANY: CONTRACTOR
12. THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE GENERAL PERMIT PROGRAM REPRESENTATIVE, AT 974-6330, AT LEAST 48 HOURS PRIOR TO THE SPOILS REMOVAL. THIS NOTIFICATION SHALL INCLUDE THE DISPOSAL LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.
13. INLET PROTECTION SHALL BE INSTALLED IMMEDIATELY PRIOR TO STREET WORK, AND WILL BE REMOVED AS SOON AS THE GENERAL PERMIT PROGRAM REPRESENTATIVE AGREES THAT THERE IS NO POTENTIAL FOR SEDIMENTATION.



GENERAL PERMIT OFFICE
TREE PROTECTION
AND ENVIRONMENTAL NOTES & DETAILS
CITY OF AUSTIN STANDARD NOTES AND DETAILS

REVISIONS		NO.	BY	DATE

SHEET INFORMATION	
DATE	12/17/2020
SHEET	6 OF 8
CAD REF. NO.	



DUNAWAY
TX Registered Engineering Firm #F-1114
5707 SOUTHWEST PARKWAY
BUILDING 2, SUITE 250
AUSTIN, TX 78735
PHONE: 512-306-8252

GENERAL PERMIT PROGRAM

GENERAL PERMIT PROGRAM (GPP)
STANDARD ENVIRONMENTAL NOTES:

ADDITIONAL AREAS:

1. ANY ADDITIONAL AREAS REQUIRED FOR CONSTRUCTION OF THIS PROJECT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST SECURE CITY OF AUSTIN APPROVAL OF PROPOSED ADDITIONAL AREAS PRIOR TO USE. APPROVAL OF "CORRECTION REQUEST" MUST BE SECURED FROM THE GENERAL PERMIT PROGRAM OFFICE OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT.
2. ALL ASSOCIATED PERMITS AND FEES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3. IN ORDER TO SECURE APPROVAL FOR USE OF ADDITIONAL AREAS, CONTRACTOR MUST PROVIDE COMPLETE "CORRECTION REQUEST" SUBMITTAL TO GENERAL PERMIT PROGRAM OFFICE AND ALLOW A ONE WEEK COMMENT PERIOD FOR EACH REVIEW. CONTRACTOR SHOULD REQUEST INFORMATION ON THE ELEMENTS REQUIRED TO BE INCLUDED IN THE SUBMITTAL FROM THE OWNER'S REPRESENTATIVE OR THE GENERAL PERMIT PROGRAM OFFICE.
4. CONTRACTOR MUST INSTALL AND MAINTAIN EROSION/SEDIMENTATION CONTROLS AND TREE PROTECTION FOR ALL SUCH AREAS IN ACCORDANCE WITH THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL AND AS INCLUDED IN THE APPROVED SUBMITTAL OR DIRECTED IN THE FIELD BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE.
5. A SIGNED COPY OF THE PLANS PERMITTED THROUGH THE GENERAL PERMIT PROGRAM MUST BE KEPT ON SITE AND ACCESSIBLE AT ALL TIMES DURING PROJECT CONSTRUCTION.

DEWATERING:

CONTRACTOR IS RESPONSIBLE FOR DEWATERING OF WORK AREA. CONTRACTOR MUST SECURE CITY OF AUSTIN APPROVAL OF PROPOSED DEWATERING PROCEDURES PRIOR TO INSTALLATION OR USE. APPROVAL MUST BE SECURED FROM THE GENERAL PERMIT PROGRAM (GPP) OFFICE OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT. CONTRACTOR MUST PROVIDE COMPLETE SUBMITTAL TO GPP OFFICE AND ALLOW AN ONE WEEK (MIN.) COMMENT PERIOD FOR EACH REVIEW. CONTACT THE GPP OFFICE FOR SUBMITTAL REQUIREMENTS.

FUEL STORAGE:

FUEL STORAGE IS PROHIBITED ON THIS PROJECT. ADDITIONALLY, THE CONTRACTOR IS REQUIRED TO NOTIFY THE GENERAL PERMIT PROGRAM OFFICE IMMEDIATELY FOLLOWING ANY SPILL OF FUEL OR OTHER TOXIC MATERIAL. CONTRACTOR IS REQUIRED TO FOLLOW-UP WITH WRITTEN DOCUMENTATION, INCLUDING A COMPLETE DESCRIPTION OF THE INCIDENT, MATERIAL SPILLED, AND ACTIONS TAKEN TO CONTAIN AND CLEAN-UP MATERIAL.

FUGITIVE DUST CONTROL:

ALL PROJECTS APPROVED THROUGH THE GENERAL PERMIT PROGRAM (GPP) MUST COMPLY WITH THE CODE OF THE CITY OF AUSTIN AND THE ENVIRONMENTAL CRITERIA MANUAL REQUIREMENTS TO CONTROL AIRBORNE DUST. COMPLIANCE IS REQUIRED FOR ENTIRE PROJECT SITE AS WELL AS ASSOCIATED OPERATIONS. CONTACT THE GPP OFFICE FOR RECOMMENDED CONTROL METHODS.

SPOILS STORAGE:

NO SPOILS STORAGE IS ALLOWED WITHIN A CRITICAL WATER QUALITY ZONE, A 100-YEAR FLOODPLAIN, OR ON A SLOPE WITH A GRADIENT OF MORE THAN 15 PERCENT.

E/S CONTROLS FOR BORE / RECEIVING PIT LOCATIONS:

TEMPORARY E/S CONTROLS MUST SURROUND THE ENTIRETY OF BORING OPERATIONS, INCLUDING PIT, EQUIPMENT, ETC. FOR LOCATIONS WITHIN IMPERVIOUS AREAS, TEMPORARY CONTROL WILL BE TRIANGULAR FILTER DIKE (COA STANDARD DETAIL #628S). DIKE FLAP WILL BE CONTINUOUSLY WEIGHTED DOWN THROUGH THE USE OF 1" BY 4" WOOD STRIPS NAILED TO THE PAVEMENT, EXCEPT FOR THE ACCESS POINT. PLACEMENT OF TEMPORARY E/S CONTROLS ACROSS ACCESS POINT WILL BE REQUIRED WHENEVER THE SITE IS NOT ACTIVELY USED. FOR LOCATIONS WITHIN PERVIOUS AREAS, TEMPORARY CONTROL WILL BE SILT FENCE (COA STANDARD DETAIL #642S-1) OR MULCH SOCKS (COA STANDARD DETAIL #648S-1), AS INDICATED ON APPROVED PLANS.

SOIL RETENTION BLANKET:

UNLESS OTHERWISE INDICATED IN THE PROJECT DOCUMENTS, INSTALLATION OF SOIL RETENTION BLANKET WILL BE REQUIRED FOR ALL IMPACTED SLOPES GREATER THAN 3:1 AND ALL IMPACTED AREAS WITHIN DRAINAGE CONVEYANCES. (CITY OF AUSTIN STANDARD SPECIFICATION ITEM 605S) SOIL RETENTION BLANKET SUBMITTAL MUST BE APPROVED BY PROJECT ENGINEER AND GENERAL PERMIT PROGRAM (GPP) REPRESENTATIVE PRIOR TO USE AND MUST INCLUDE PRODUCT AND INSTALLATION DETAILS PROVIDED BY MANUFACTURER. FINISH GRADING MUST BE INSPECTED AND APPROVED BY GPP INSPECTOR PRIOR TO BLANKET INSTALLATION. INSTALLATION MUST BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND MUST BE INSPECTED AND APPROVED BY GPP REPRESENTATIVE PRIOR TO ACCEPTANCE.

SOD INSTALLATION:

REVEGETATION WITHIN MANAGED TURF AREAS MUST BE ACCOMPLISHED THROUGH THE INSTALLATION OF SOLID BLOCK GRASS SOD. SOD TYPE MUST MATCH ADJACENT GRASS TYPE. QUESTIONS REGARDING SOD TYPE WILL BE RESOLVED BY THE GENERAL PROGRAM PERMIT REPRESENTATIVE. REFER TO CITY OF AUSTIN STANDARD SPECIFICATION ITEM NO. 602S. SODDING FOR EROSION CONTROL, UNLESS OTHERWISE NOTED ON THE APPROVED PLANS.

TxDOT RIGHTS-OF-WAY:

TOPSOIL (TxDOT ITEM NO. 160), SOIL RETENTION BLANKET (TxDOT ITEM NO. 169), AND REVEGETATION (TxDOT ITEM NO. 164) INSTALLED WITHIN TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS FOR INSTALLATION OF UTILITIES WITHIN THE STATE RIGHT-OF-WAY, AUSTIN DISTRICT".

PROJECT SEQUENCE:
(REFER TO FULL PLAN SET FOR PROJECT-SPECIFIC ADDITIONS, IF APPLICABLE.)

PRIOR TO CONSTRUCTION:

1. SECURE APPLICABLE COA PERMITS, INCLUDING APPROVAL UNDER GENERAL PERMIT PROGRAM AND RIGHT-OF-WAY EXCAVATION PERMIT.
2. NOTIFY GENERAL PERMIT PROGRAM REPRESENTATIVE PRIOR TO PLACEMENT OF E/S CONTROLS AND TREE PROTECTION FENCING. ALL PROPOSED PHASING OF CONTROLS MUST BE SUBMITTED TO AND APPROVED BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE PRIOR TO THE FIELD PRE-CONSTRUCTION CONFERENCE.
3. NOTIFY COA TEMPORARY TRAFFIC CONTROL REPRESENTATIVE PRIOR TO PLACEMENT OF TEMPORARY TRAFFIC CONTROLS. ALL PROPOSED PHASING OF CONTROLS MUST BE INDICATED ON APPROVED TEMPORARY TRAFFIC CONTROL PLAN AND SEALED BY PROFESSIONAL ENGINEER.
4. PLACE TEMPORARY E/S CONTROLS AND TREE PROTECTION FENCING PRIOR TO BEGINNING ANY EXCAVATION. INSTALL C.I.P. SIGN, IF APPLICABLE.
5. HOLD ENVIRONMENTAL PRE-CONSTRUCTION CONFERENCE ON SITE WITH THE CONTRACTOR, OWNER'S REPRESENTATIVE, AND GENERAL PERMIT PROGRAM REPRESENTATIVE AFTER INSTALLATION OF E/S CONTROLS AND TREE PROTECTION FENCING AND PRIOR TO ANY TRENCHING OPERATIONS.
6. PLACE TEMPORARY TRAFFIC CONTROL DEVICES.

PROJECT CONSTRUCTION:

1. BEGIN CONSTRUCTION. NOTIFY GENERAL PERMIT PROGRAM REPRESENTATIVE A MINIMUM OF 48 HOURS IN ADVANCE OF TRANSITION BETWEEN PHASES.
2. CONTACT GENERAL PERMIT OFFICE TO SCHEDULE FIELD INSPECTION PRIOR TO BEGINNING INSTALLATION OF PERMANENT E/S CONTROLS.
3. COMPLETE RESTORATION OF ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES FOR THIS PROJECT. (PERMANENT E/S CONTROLS)
4. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES RELATED TO WORK AREAS OUTSIDE OF THE STREET.
5. HOLD ENVIRONMENTAL POST-CONSTRUCTION CONFERENCE ON SITE WITH THE CONTRACTOR, OWNER'S REPRESENTATIVE, AND GENERAL PERMIT PROGRAM REPRESENTATIVE. ALL PERMANENT E/S CONTROLS MUST BE ACCEPTED BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE. PERMANENT CONTROLS SHALL CONSIST OF REVEGETATION PER DETAILS 602, 604S, AND 609S AS INDICATED ON APPROVED PLANS.
6. FOLLOWING FINAL ACCEPTANCE OF PERMANENT E/S CONTROLS BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE, REMOVE TEMPORARY E/S CONTROLS. CLEAN EXISTING STORM DRAINAGE SYSTEMS AS NECESSARY DUE TO CONSTRUCTION OPERATIONS.
7. DRESS-UP AND RESTORE ANY AREAS DISTURBED BY REMOVAL OF TEMPORARY E/S CONTROLS DESCRIBED ABOVE.

REQUIRED SUBMITTALS:

SUBMITTALS REQUIRED TO BE APPROVED BY GENERAL PERMIT PROGRAM REPRESENTATIVE INCLUDE: SUBMITTALS TRIGGERED BY CITY OF AUSTIN SERIES 600 SPECIFICATIONS AND RELATED SPECIAL PROVISIONS/SPECIFICATIONS, CONSTRUCTION SCHEDULE, TREE PROTECTION, P-6 AND OTHER ROOT ZONE PROTECTION/MITIGATION MEASURES, DEWATERING PLAN, WATERING SCHEDULE FOR REVEGETATION AREAS, AND ANY VEGETATIVE REPLACEMENT PROPOSALS, IF NOT ALREADY PART OF THE PERMITTED PLAN SET.

CITY OF AUSTIN – STANDARD NOTES
TREE AND NATURAL AREA PROTECTION
(MODIFIED FOR USE ON GENERAL PERMIT PROJECTS)

1. ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY MEASURES.
2. PROTECTIVE MEASURES SHALL BE INSTALLED ACCORDING TO CITY OF AUSTIN STANDARDS FOR TREE PROTECTION.
3. PROTECTIVE MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE PROJECT.
4. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP, COMPACTION OR CUTTING OF CRITICAL ROOT ZONE WITHIN TREE DRIP LINES.
5. TREE PROTECTION SHALL COMPLETELY SURROUND THE TREES OR GROUP OF TREES AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE). FOR NATURAL AREAS, PROTECTIVE MEASURES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:
 - A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
 - B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL) OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE GENERAL PERMIT PROGRAM OFFICE OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT;
 - C. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT;
 - D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.
6. EXCEPTIONS TO INSTALLING PROTECTIVE FENCES AT CRITICAL ROOT ZONES MAY BE PERMITTED IN THE FOLLOWING CASES:
 - A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 FEET BEYOND THE AREA DISTURBED;
 - B. WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA
 - C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN 6 FEET TO THE BUILDING
 - D. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE GENERAL PERMIT PROGRAM OFFICE AT 974-6330 TO DISCUSS ALTERNATIVES.

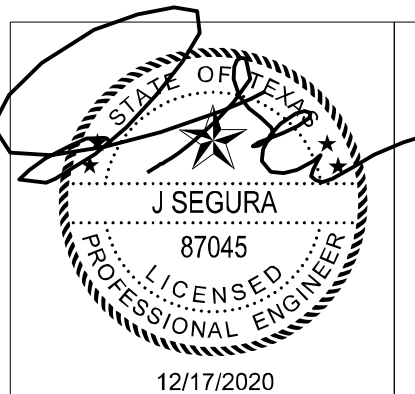
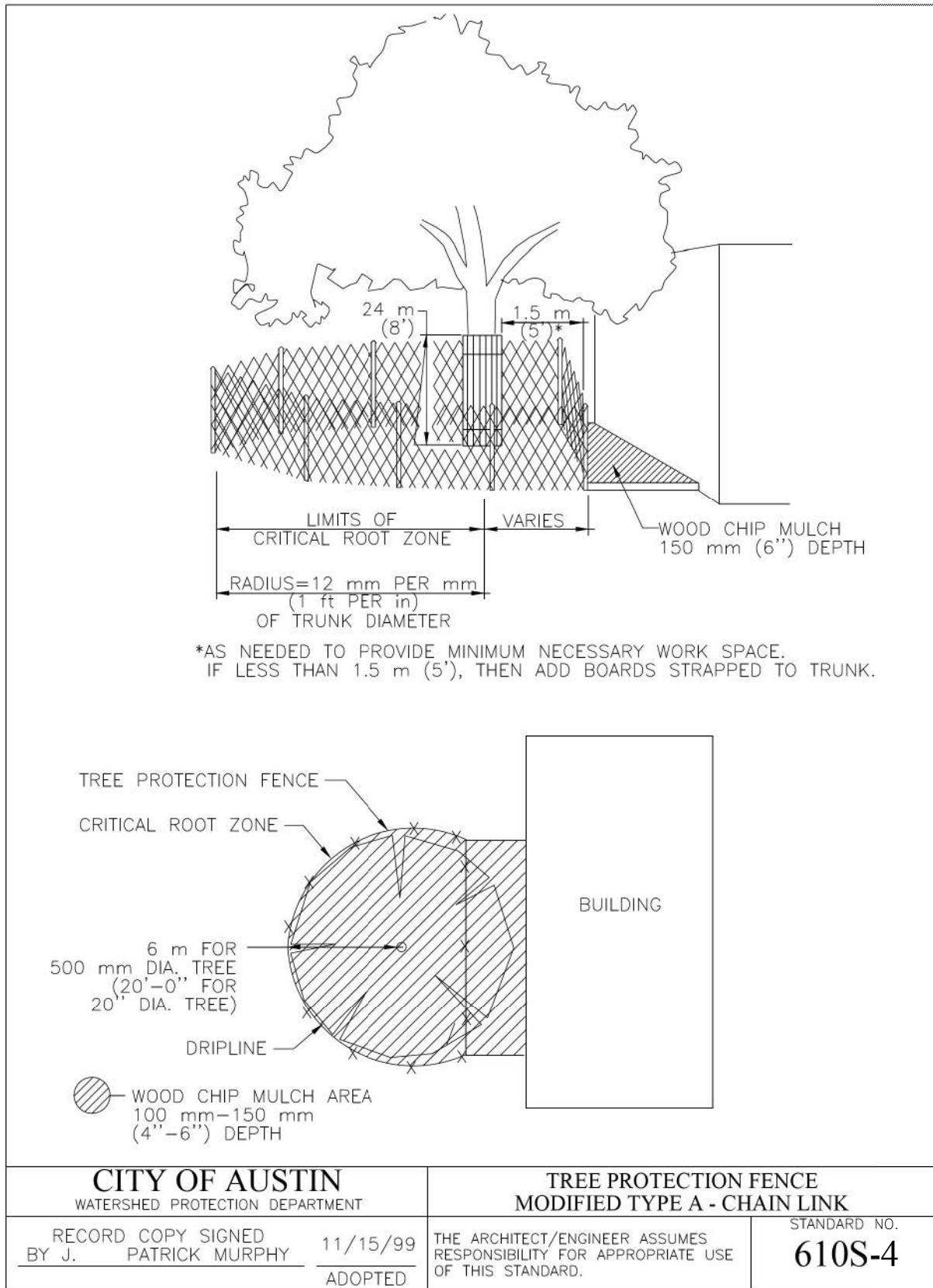
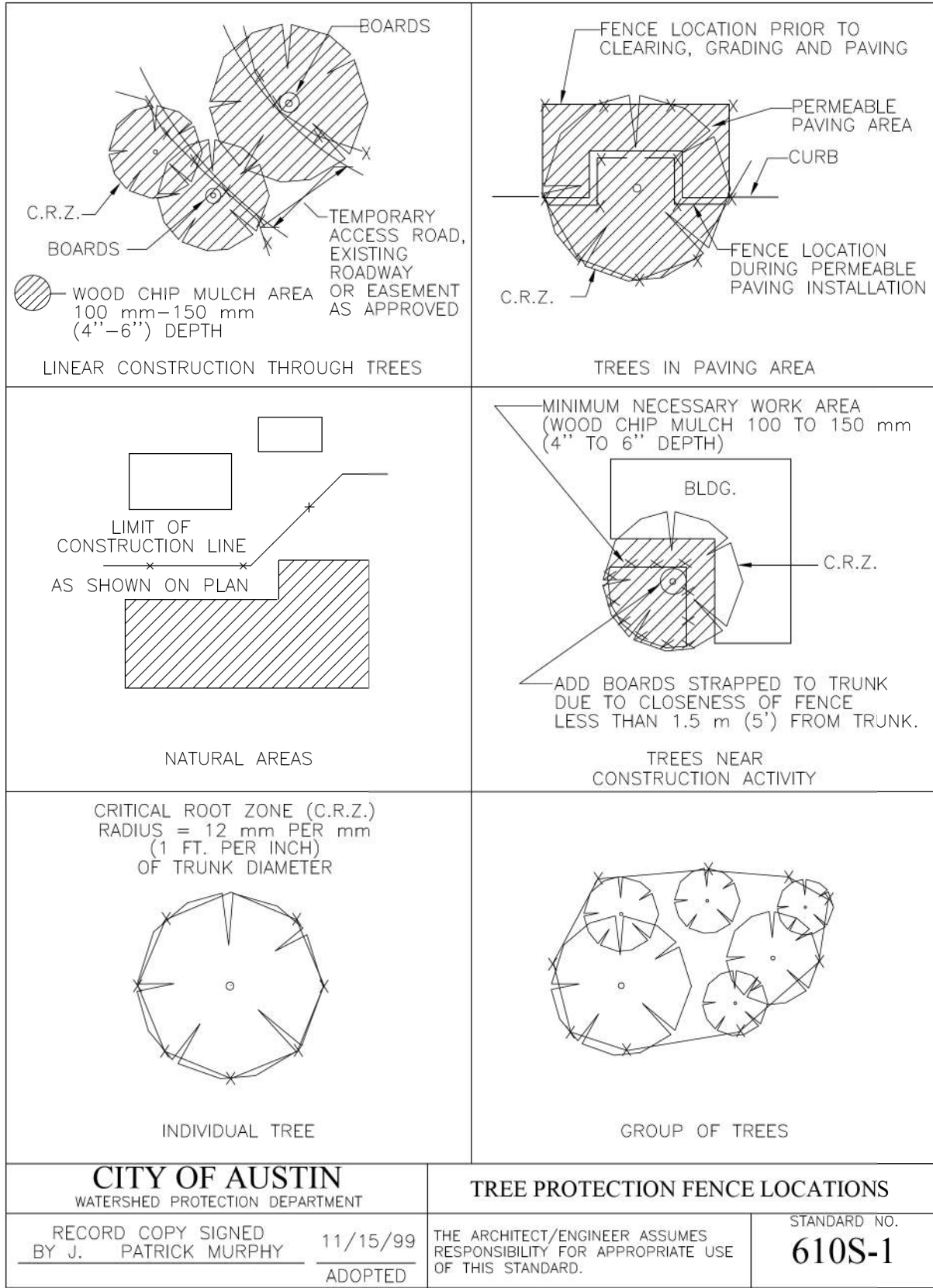
SPECIAL NOTE: FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED.

WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE 5 FEET OR CLOSER TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING.

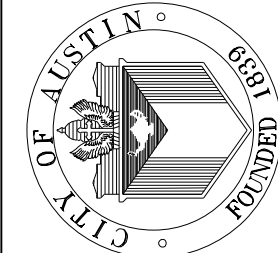
7. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES, THOSE AREAS SHOULD BE COVERED WITH 12 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION DURING CONSTRUCTION. FILTER FABRIC UNDERLAYMENT MAY BE REQUIRED AT DIRECTION OF GENERAL PERMIT PROGRAM REPRESENTATIVE BASED ON SITE CONDITIONS AND CONSTRUCTION ACTIVITIES. MAXIMUM FOUR (4) INCHES DEPTH MAY BE LEFT IN PLACE AFTER CONSTRUCTION WITH APPROVAL FROM THE GENERAL PERMIT PROGRAM REPRESENTATIVE.
8. ALL GRADING WITHIN PROTECTED ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCES TO 2 FEET BEHIND THE GRADE CHANGE AREA.
9. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
10. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS.
11. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHOULD BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS SHOULD BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
12. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
13. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
14. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. SEE NOTE THREE (3) OF SUPPLEMENTAL TREE PROTECTION NOTES FOR ADDITIONAL REQUIREMENTS.
15. ALL FINISHED PRUNING MUST BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES AVAILABLE ON REQUEST FROM THE GENERAL PERMIT PROGRAM OFFICE).
16. DEVIATIONS FROM THE ABOVE NOTES MAY BE CONSIDERED ORDINANCE VIOLATIONS IF THERE IS SUBSTANTIAL NONCOMPLIANCE OR IF A TREE SUSTAINS DAMAGE AS A RESULT.
17. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.

SUPPLEMENTAL TREE PROTECTION NOTES

1. ALL TREE PROTECTION MUST COMPLY WITH CITY OF AUSTIN REQUIREMENTS AS OUTLINED IN THE ENVIRONMENTAL CRITERIA MANUAL AND AS INDICATED BY STANDARD COA NOTES AND DETAILS INCLUDED WITHIN THIS DOCUMENT SET. CONTRACTOR SHALL INSTALL PROTECTION PRIOR TO PRE-CONSTRUCTION CONFERENCE, MAKE ADJUSTMENTS TO PROTECTION AS DIRECTED BY THE GPP REPRESENTATIVE, AND MAINTAIN PROTECTION UNTIL PROJECT IS COMPLETE.
2. TYPE AND LOCATION OF ALL TREE PROTECTION MUST BE APPROVED IN THE FIELD BY THE GENERAL PERMIT PROGRAM (GPP) REPRESENTATIVE PRIOR TO CONSTRUCTION.
3. WALK-THROUGH: CONTRACTOR SHALL CONDUCT WALK-THROUGH MEETING WITH GENERAL PERMIT PROGRAM REPRESENTATIVE PRIOR TO PERFORMING ANY PRUNING ACTIVITIES ON TREES IN PROJECT AREA. PURPOSE OF WALK-THROUGH WILL BE TWOFOLD: ONE PURPOSE WILL BE TO DETERMINE THE MINIMUM AMOUNT OF PRUNING NECESSARY TO ALLOW CONSTRUCTION WORK TO BE COMPLETED. SECOND PURPOSE WILL BE TO DETERMINE AREAS OF PROJECT IN WHICH EXHAUST DIVERTERS WILL BE REQUIRED ON CONSTRUCTION EQUIPMENT TO PREVENT SCORCHING OF EXISTING TREES.
4. ALL PRUNING MUST BE PERFORMED IN ACCORDANCE WITH ANSI A300 (PART 1) – 2001 AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS (PRUNING), OR LATEST APPROVED VERSION. THIS DOCUMENT MAY BE OBTAINED ONLINE FOR A FEE AT WWW.ANSI.ORG.
5. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS. TO PREVENT BARK TEARS, THE WEIGHT OF THE BRANCH SHALL BE REMOVED BEFORE MAKING FINAL PRUNING CUT.
6. ALL PRUNING SHALL PRESERVE THE NATURAL CHARACTER OF THE TREE.
7. ONLY COLLAR CUTS ARE ACCEPTABLE. NO FLUSH CUTS OR STUB CUTS WILL BE ALLOWED.
8. ALL BRANCHES THAT ARE BROKEN OR DAMAGED DURING CONSTRUCTION SHALL BE REMOVED.
9. PRUNING CUTS OR DAMAGED AREAS ON AN OAK TREE SHALL BE PAINTED WITHIN FIVE MINUTES WITH A STANDARD TREE WOUND DRESSING. TREE WOUND DRESSING SHALL BE EITHER TREEKOTE AEROSOL OR TANGLEFOOT PRUNING SEALER (OR APPROVED EQUAL). THIS ALSO APPLIES TO WOUNDS CREATED BY CONSTRUCTION VEHICLES OR EQUIPMENT. ALL PRUNING MUST BE IN ACCORDANCE WITH COA OAK WILT PREVENTION POLICY.
10. ANY TREE ROOTS THAT ARE EXPOSED, CUT, OR TORN DURING CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SURROUNDING SOIL. (REFER ALSO TO NUMBER 9 OF THE TREE AND NATURAL AREA PROTECTION NOTES INCLUDED IN THIS PLAN SET.)
11. ALL TRENCHING WITHIN THE CRITICAL ROOT ZONE OF A TREE TO BE PRESERVED WILL BE SAW CUT OR EXCAVATED BY HAND, AS APPROVED BY THE GENERAL PERMIT PROGRAM ARBORIST.
12. REFER TO ENVIRONMENTAL CRITERIA MANUAL APPENDIX P-6 FOR FURTHER REMEDIAL TREE CARE REQUIREMENTS. P-6 REMEDIAL TREE CARE WILL BE COORDINATED WITH AND APPROVED BY THE GENERAL PERMIT PROGRAM ARBORIST FOR PROJECTS PERMITTED THROUGH THE GENERAL PERMIT PROGRAM.



DUNAWAY
TX Registered Engineering Firm #F-1114
5707 SOUTHWEST PARKWAY
BUILDING 2, SUITE 250
AUSTIN, TX 78735
PHONE: 512-306-8252

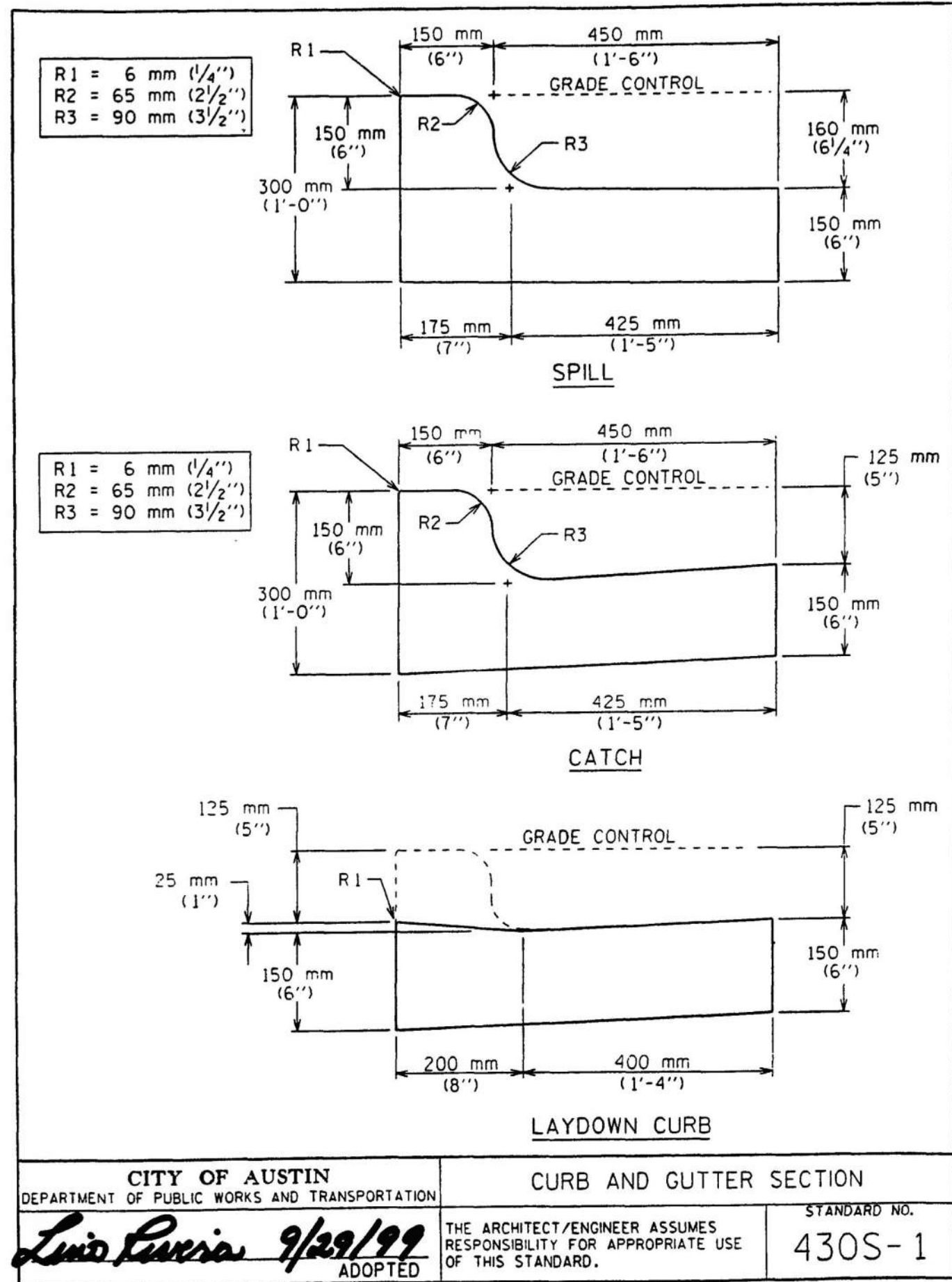


GENERAL PERMIT OFFICE
TREE PROTECTION
AND ENVIRONMENTAL NOTES & DETAILS
CITY OF AUSTIN STANDARD NOTES AND DETAILS

REVISIONS		REVISIONS
NO.	BY	DATE

SHEET INFORMATION	
DATE	12/17/2020
SHEET	7 OF 8
CAD REF. NO.	

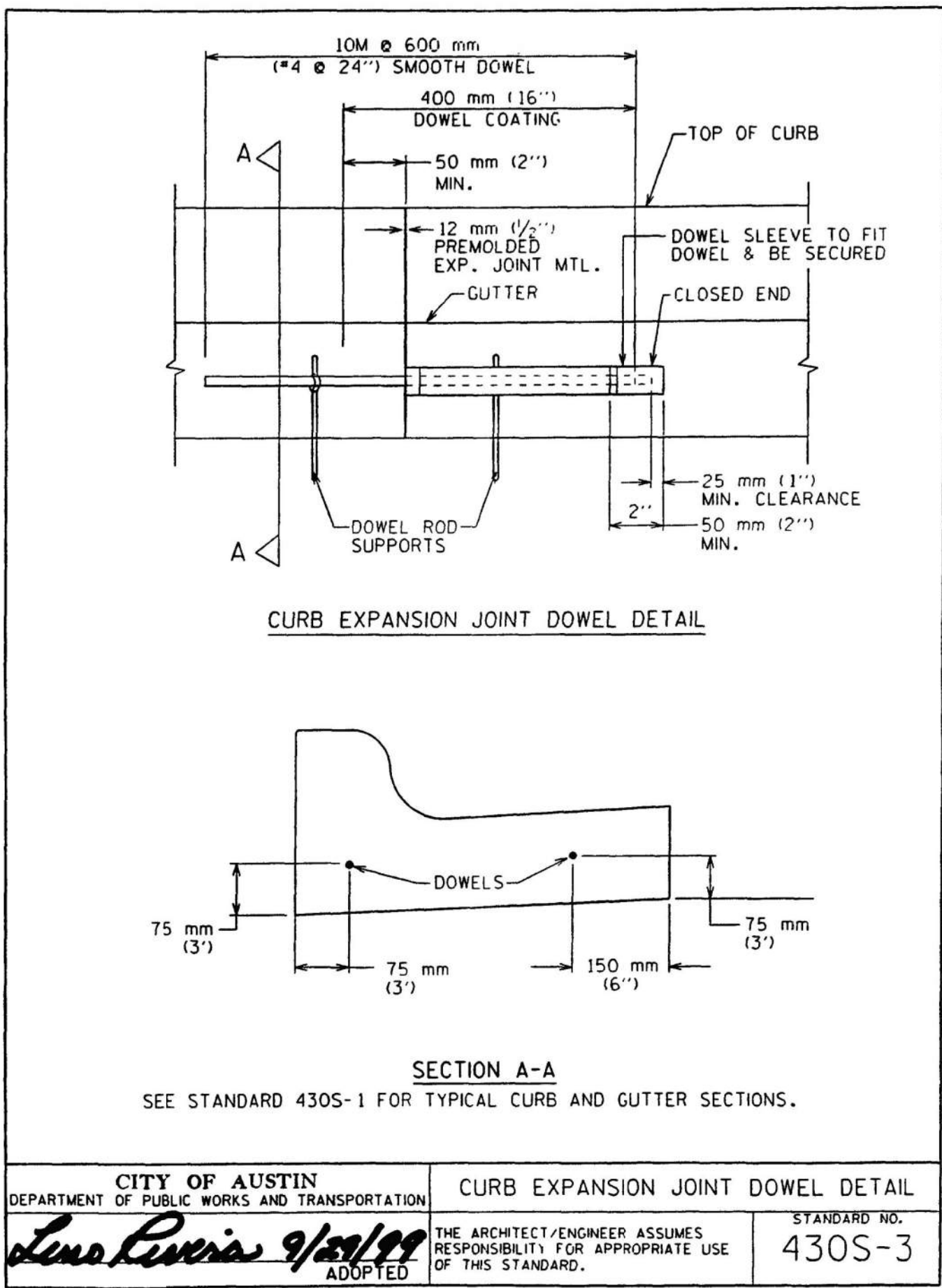
GENERAL PERMIT PROGRAM



CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
Luis Rivera 9/29/99
ADOPTED

CURB AND GUTTER SECTION
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

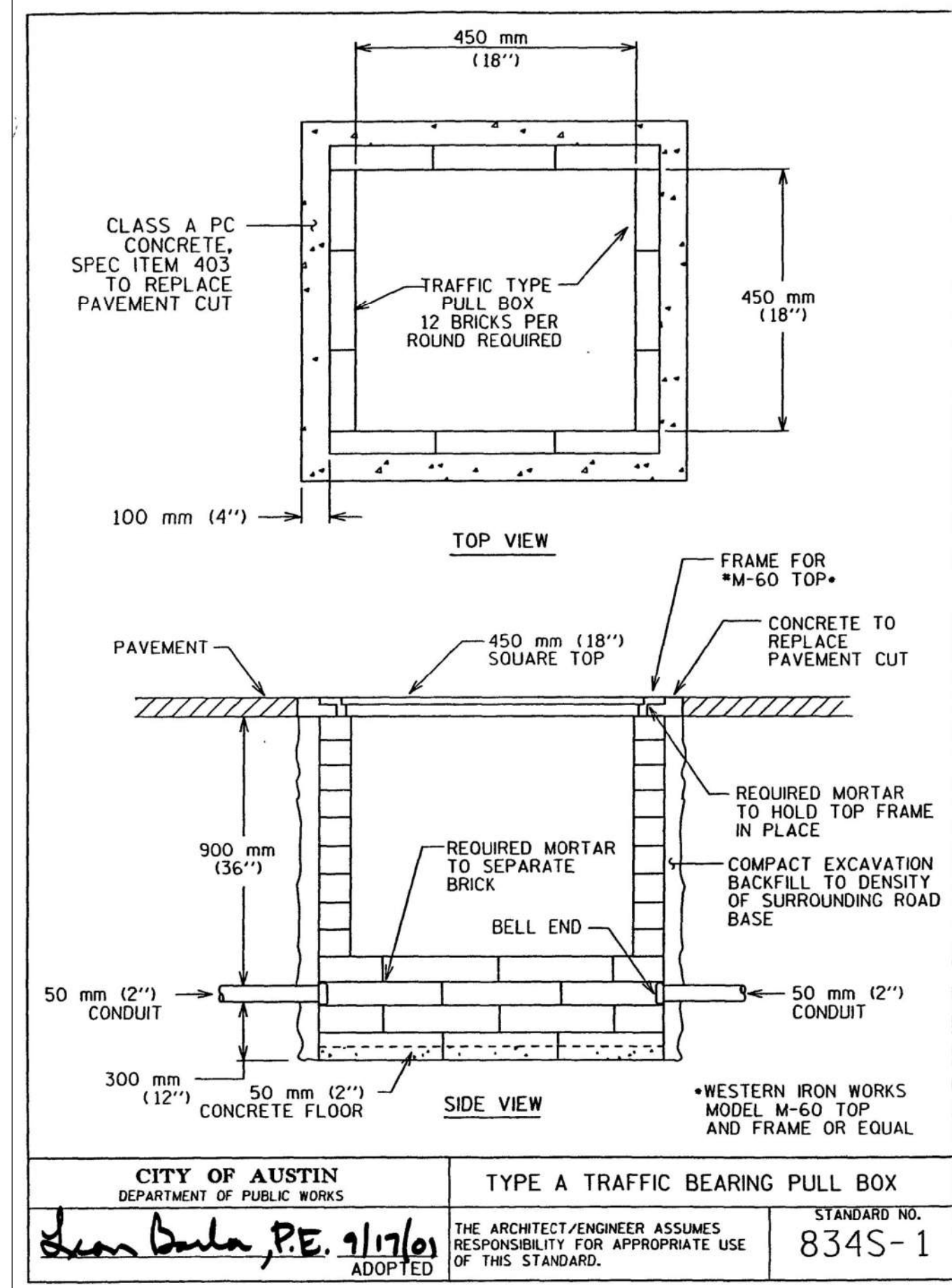
STANDARD NO.
430S-1



CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
Luis Rivera 9/29/99
ADOPTED

CURB EXPANSION JOINT DOWEL DETAIL
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

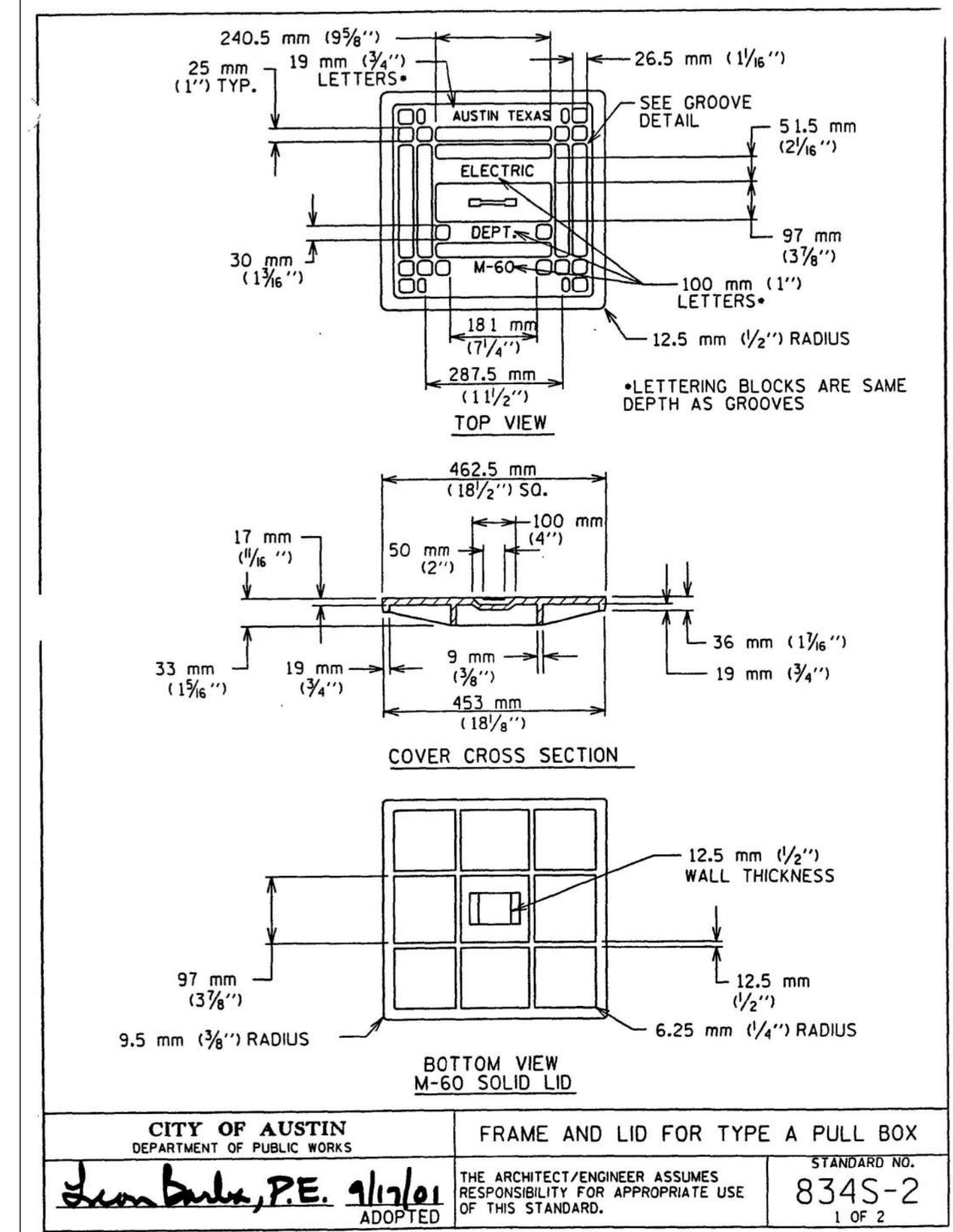
STANDARD NO.
430S-3



CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS
Dean Bula, P.E. 9/17/01
ADOPTED

TYPE A TRAFFIC BEARING PULL BOX
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

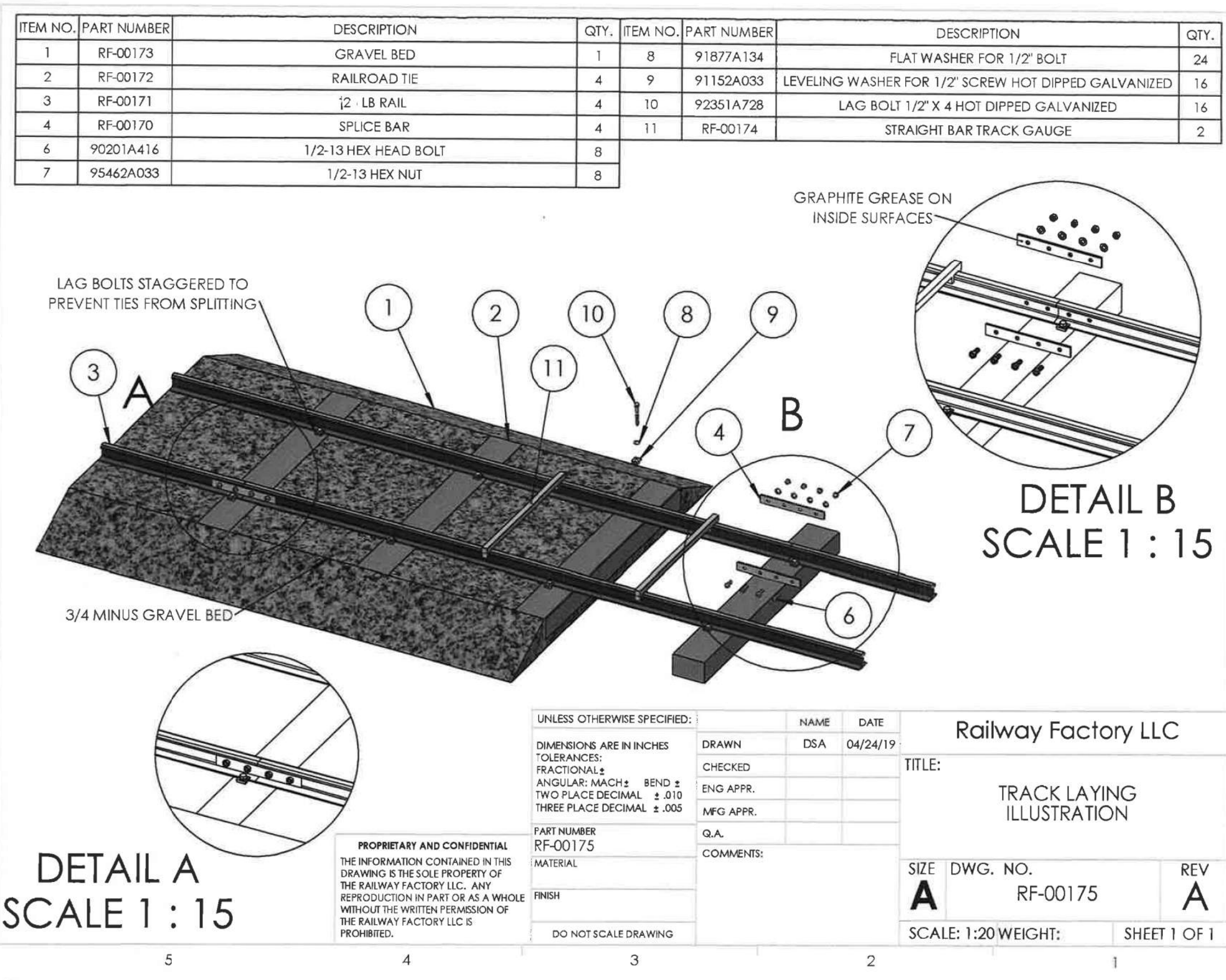
STANDARD NO.
834S-1



CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS
Dean Bula, P.E. 9/17/01
ADOPTED

FRAME AND LID FOR TYPE A PULL BOX
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO.
834S-2
1 OF 2



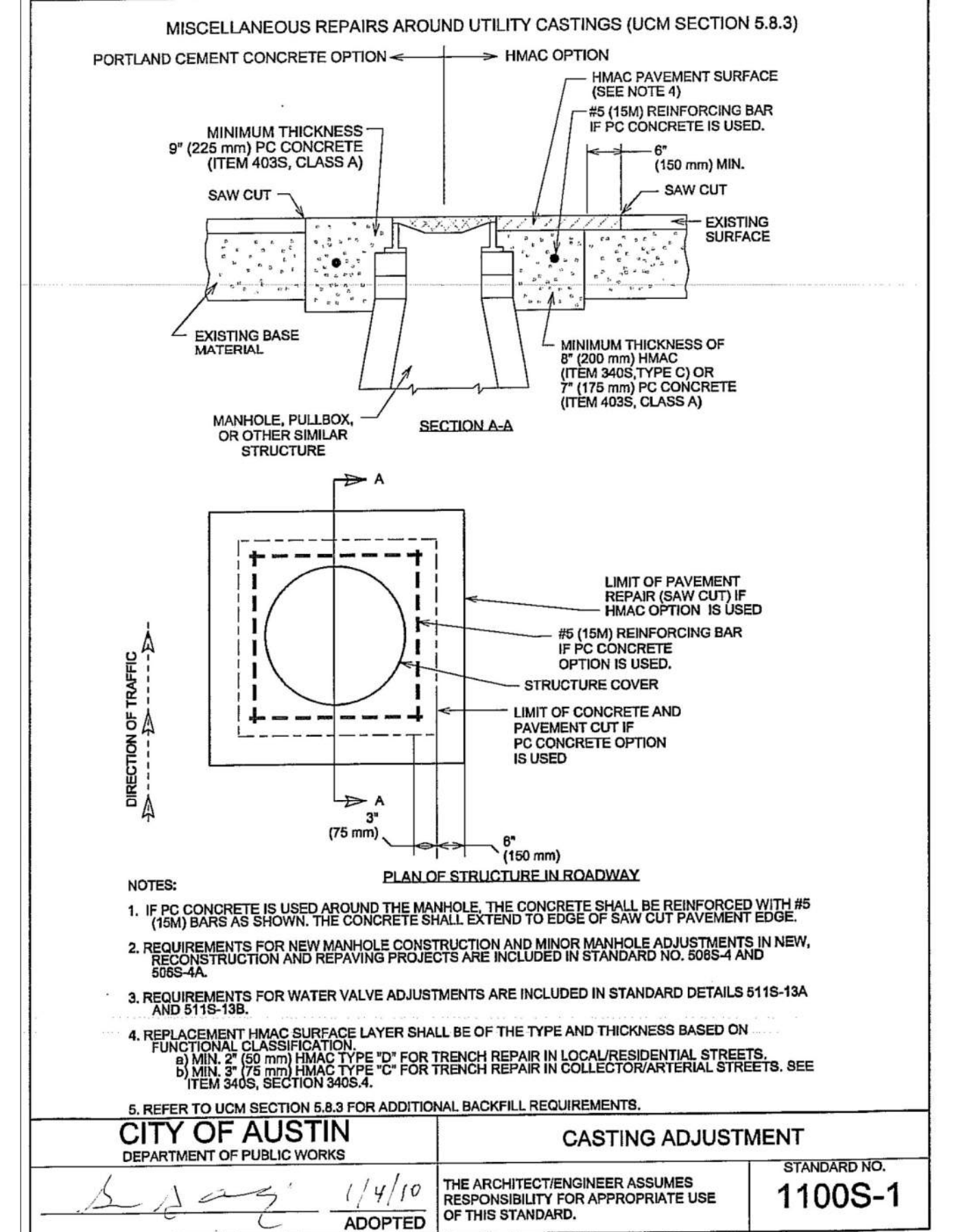
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ± BEND ±
ANGULAR MATCH ± TWO PLACE DECIMAL ± .010
THREE PLACE DECIMAL ± .005

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE RAILWAY FACTORY LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THE RAILWAY FACTORY LLC IS PROHIBITED.

PART NUMBER: RF-00175
MATERIAL:
FINISH:
DO NOT SCALE DRAWING

NAME: DSA
DATE: 04/24/19
DRAWN:
CHECKED:
ENG. APPR.:
MFG. APPR.:
G.A.
COMMENTS:

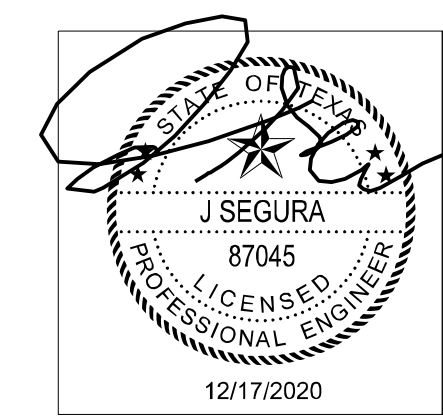
SCALE: 1:20 WEIGHT: SHEET 1 OF 1



CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS
Dean Bula 1/4/10
ADOPTED

CASTING ADJUSTMENT
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO.
1100S-1



DUNAWAY
TX Registered Engineering Firm #F-1114
5707 SOUTHWEST PARKWAY
BUILDING 2, SUITE 250
AUSTIN, TX 78735
PHONE: 512-306-8252



GENERAL PERMIT OFFICE
CONSTRUCTION DETAILS
CITY OF AUSTIN STANDARD NOTES AND DETAILS

REVISIONS		REVISIONS	
NO.	DATE	BY	DATE

SHEET INFORMATION
DATE: 12/17/2020
SHEET: 8 OF 8
CAD REF. NO.:

GENERAL PERMIT PROGRAM