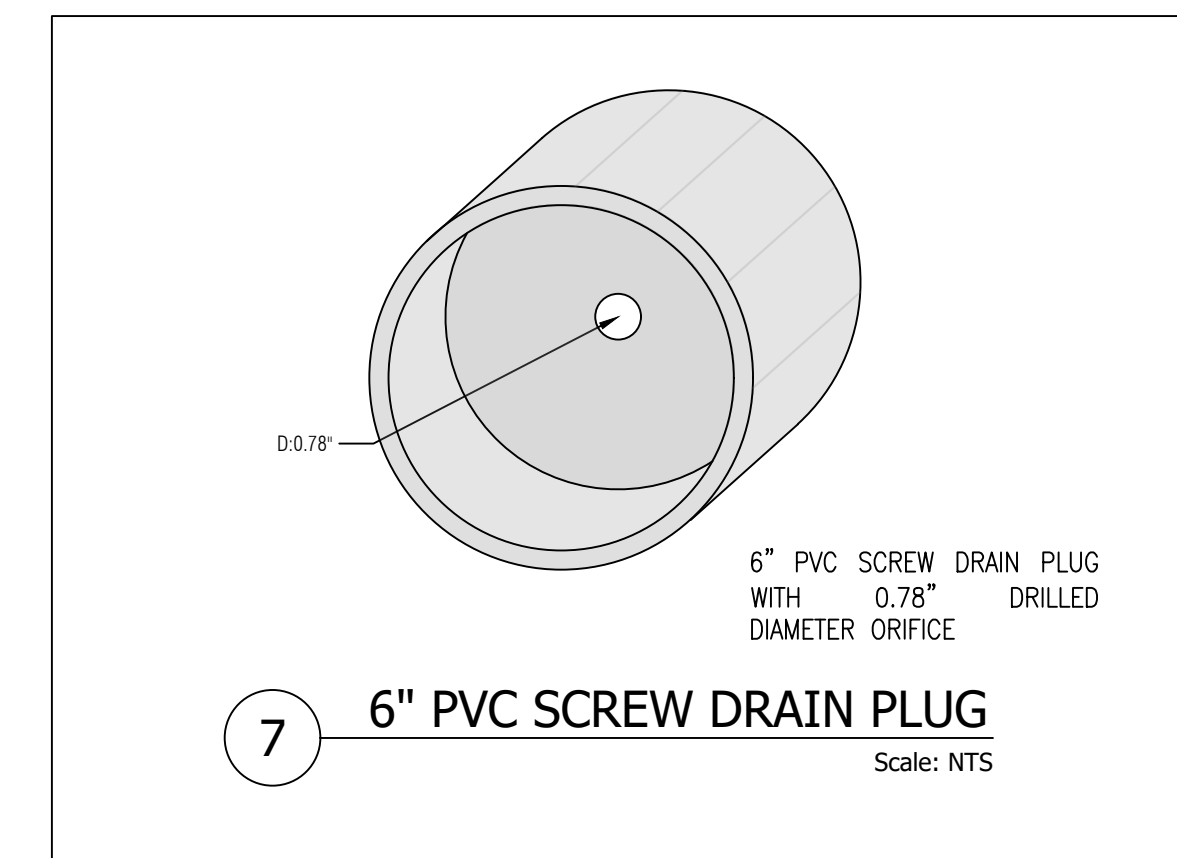
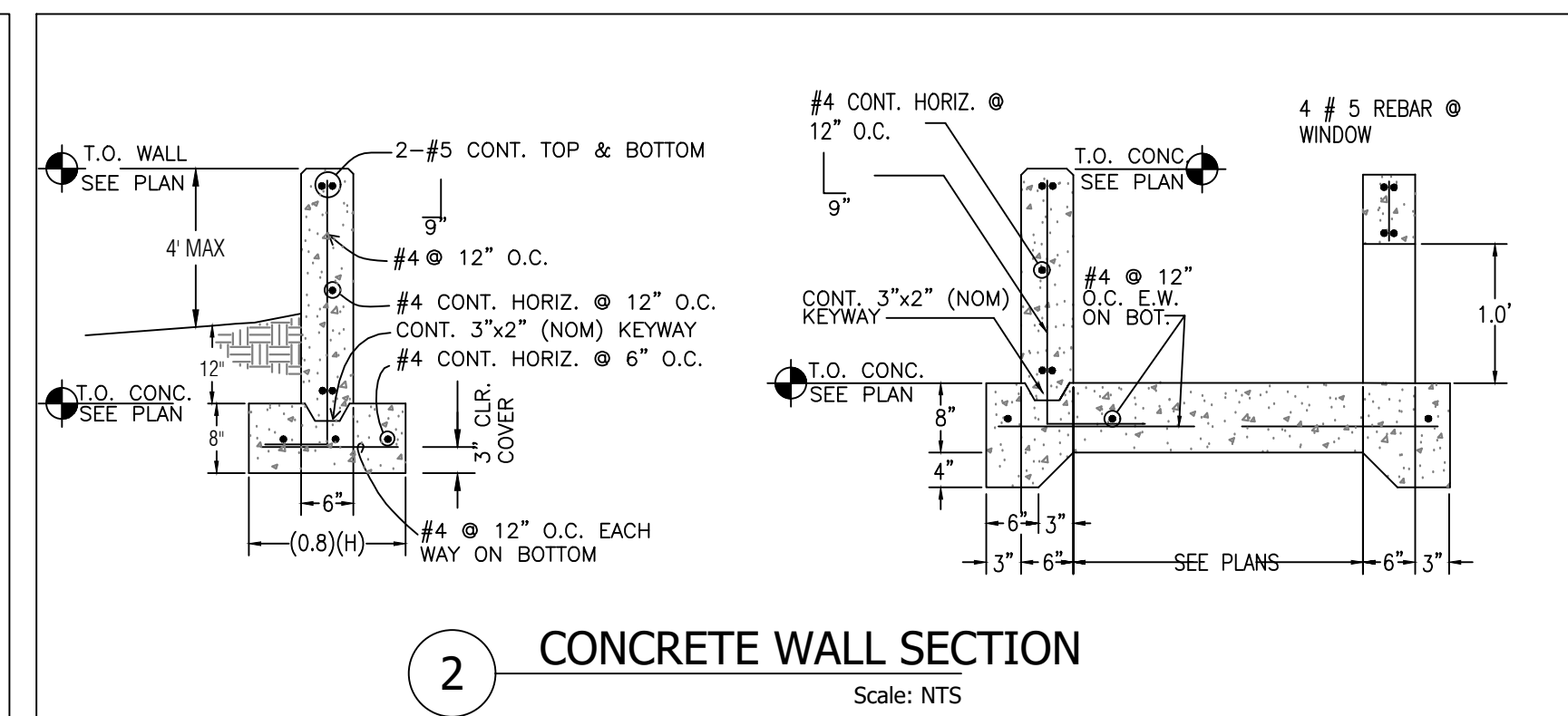


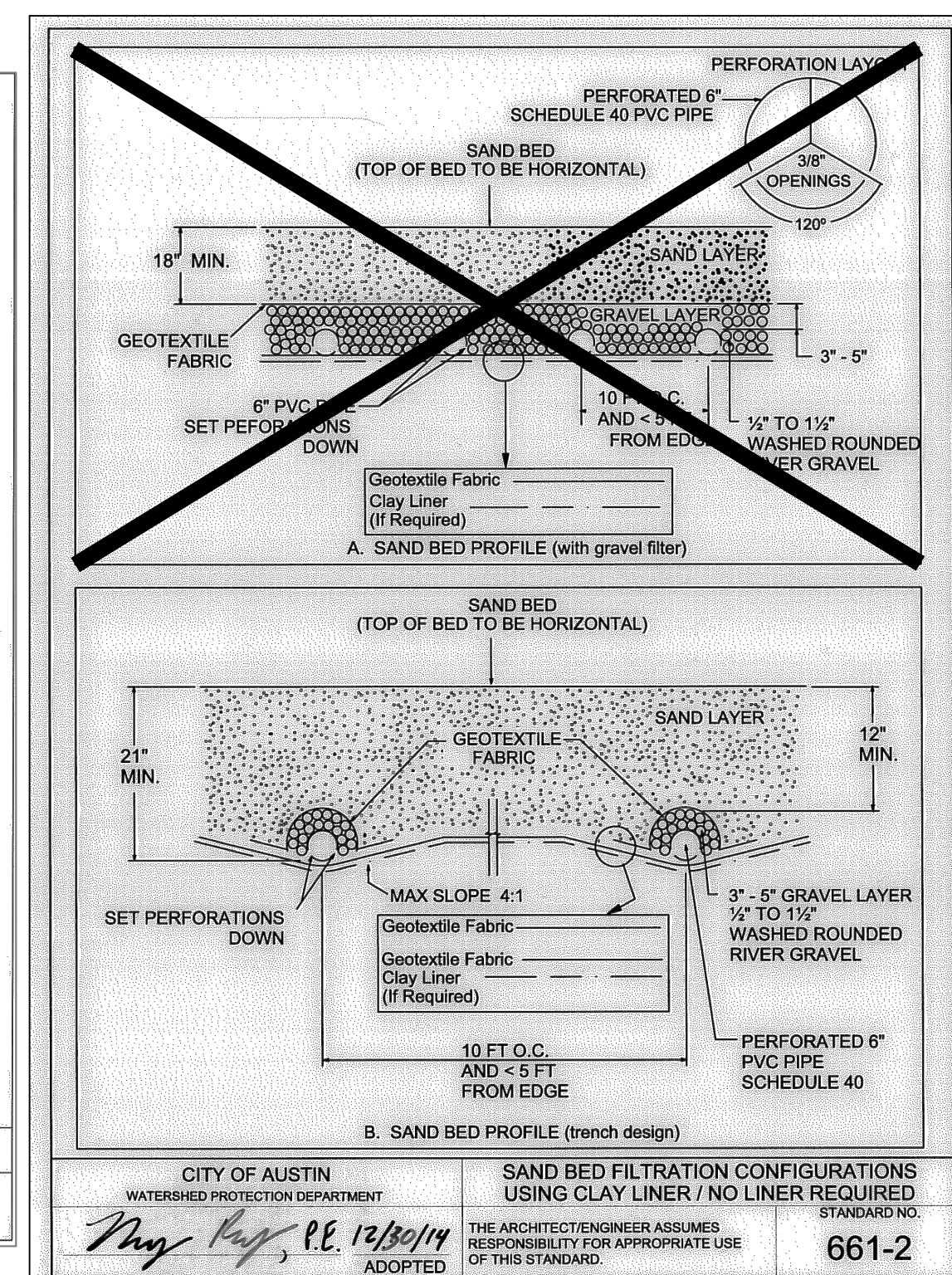
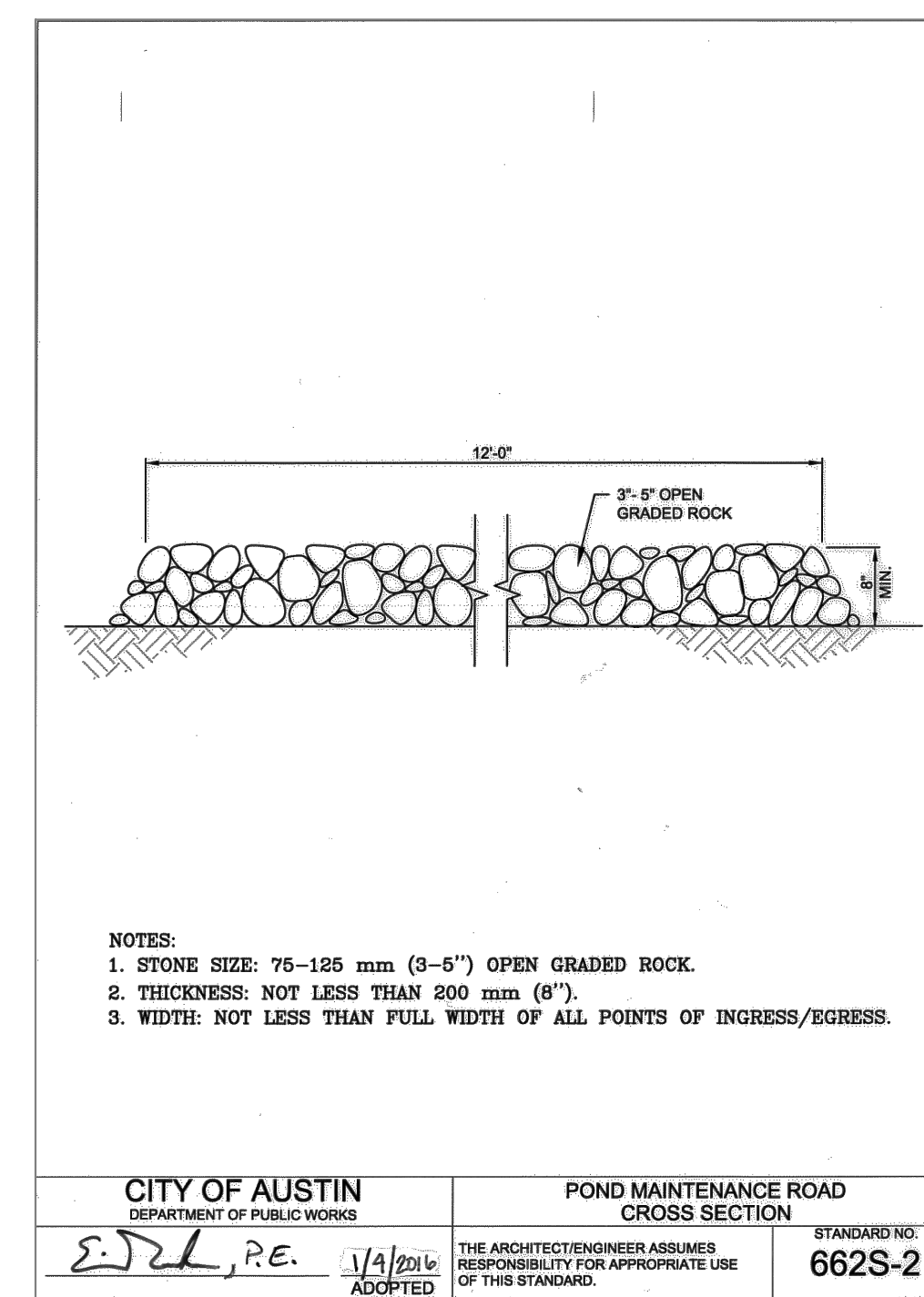
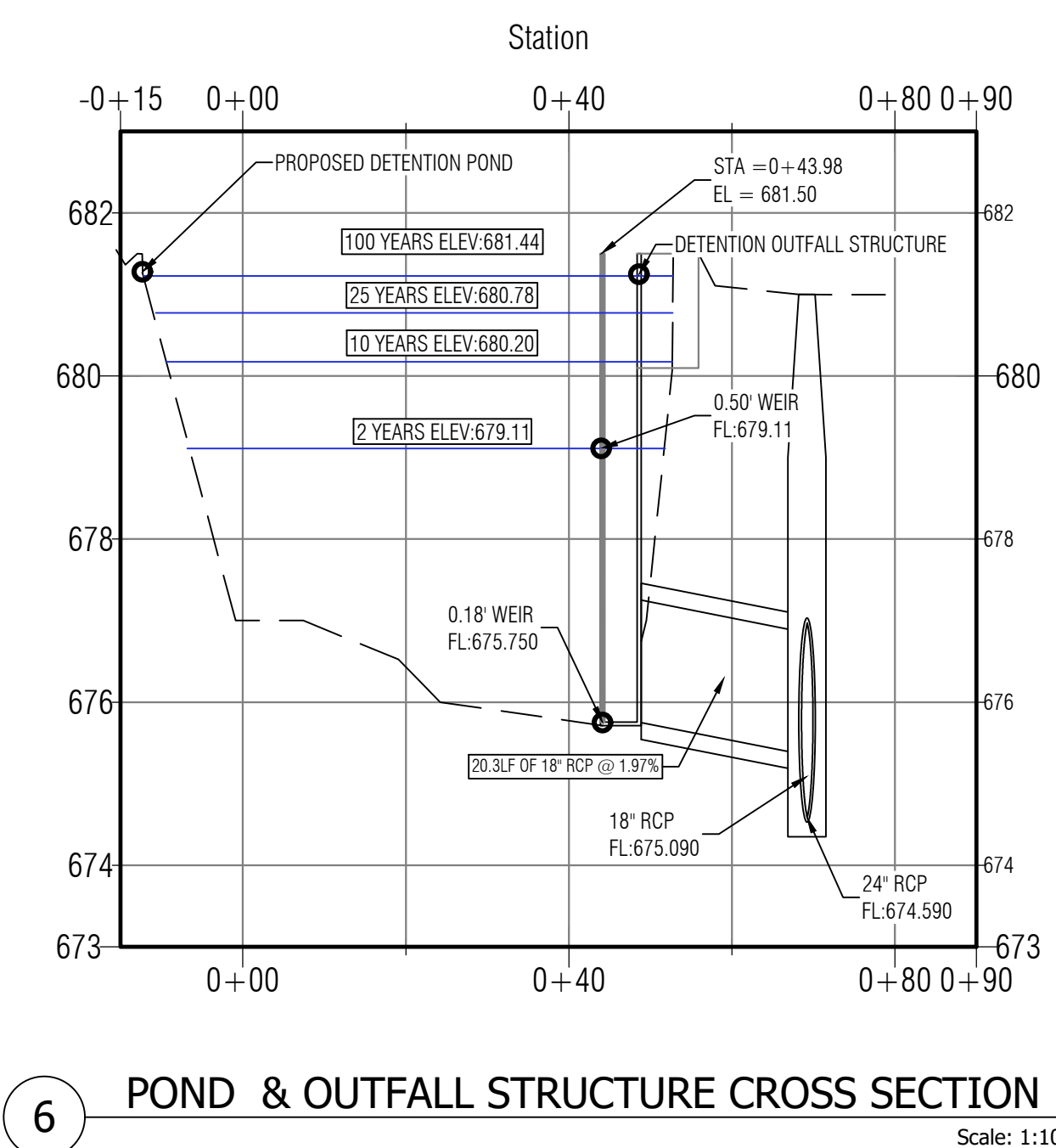
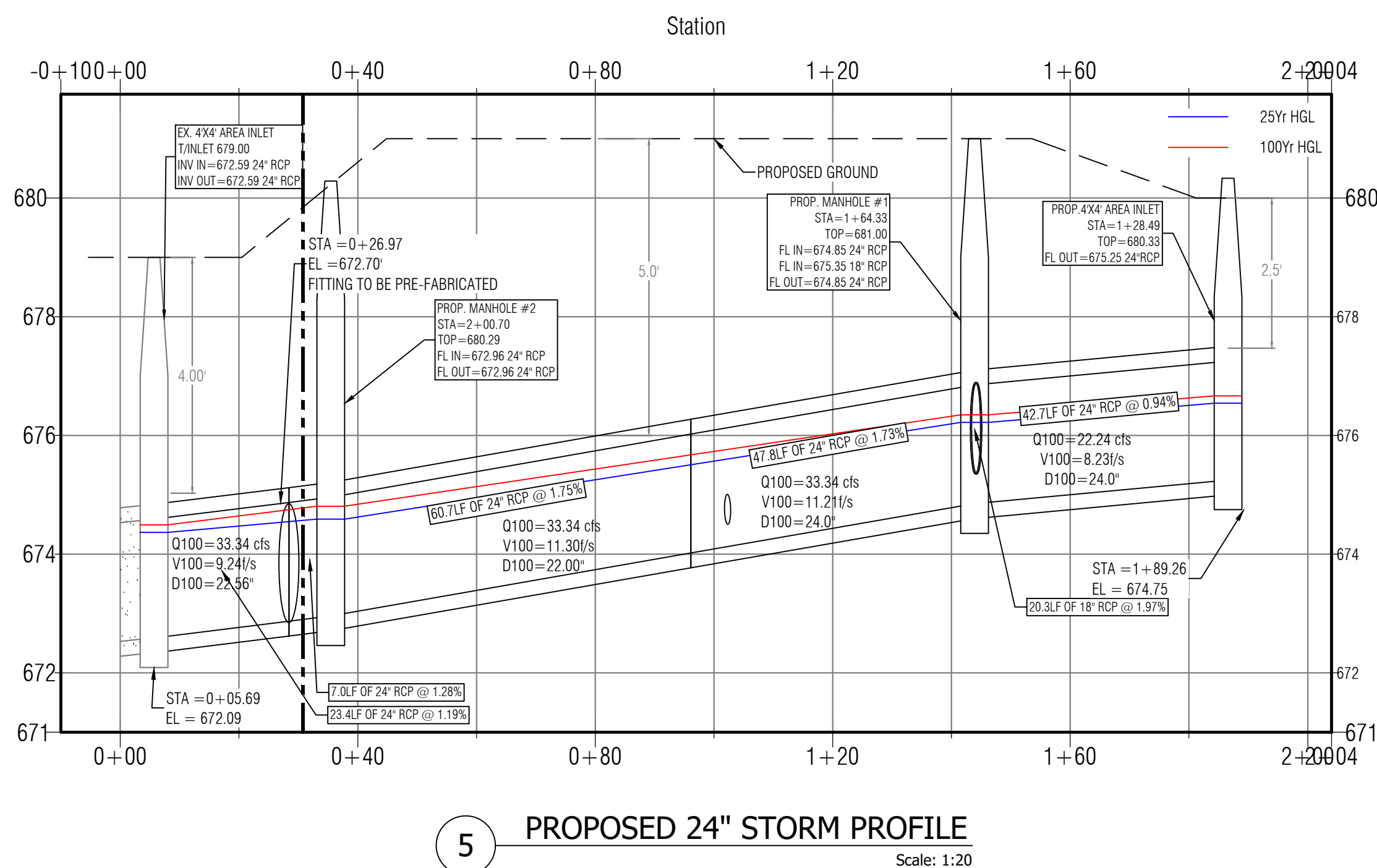
"ALL POND BOTTOM, SIDE SLOPES AND EARTHEN EMBANKMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH COA STANDARD SPECIFICATION."
"EXPANSION JOINTS ON FREESTANDING WALLS SHALL HAVE WATERTIGHT SEALS AS NEEDED."

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

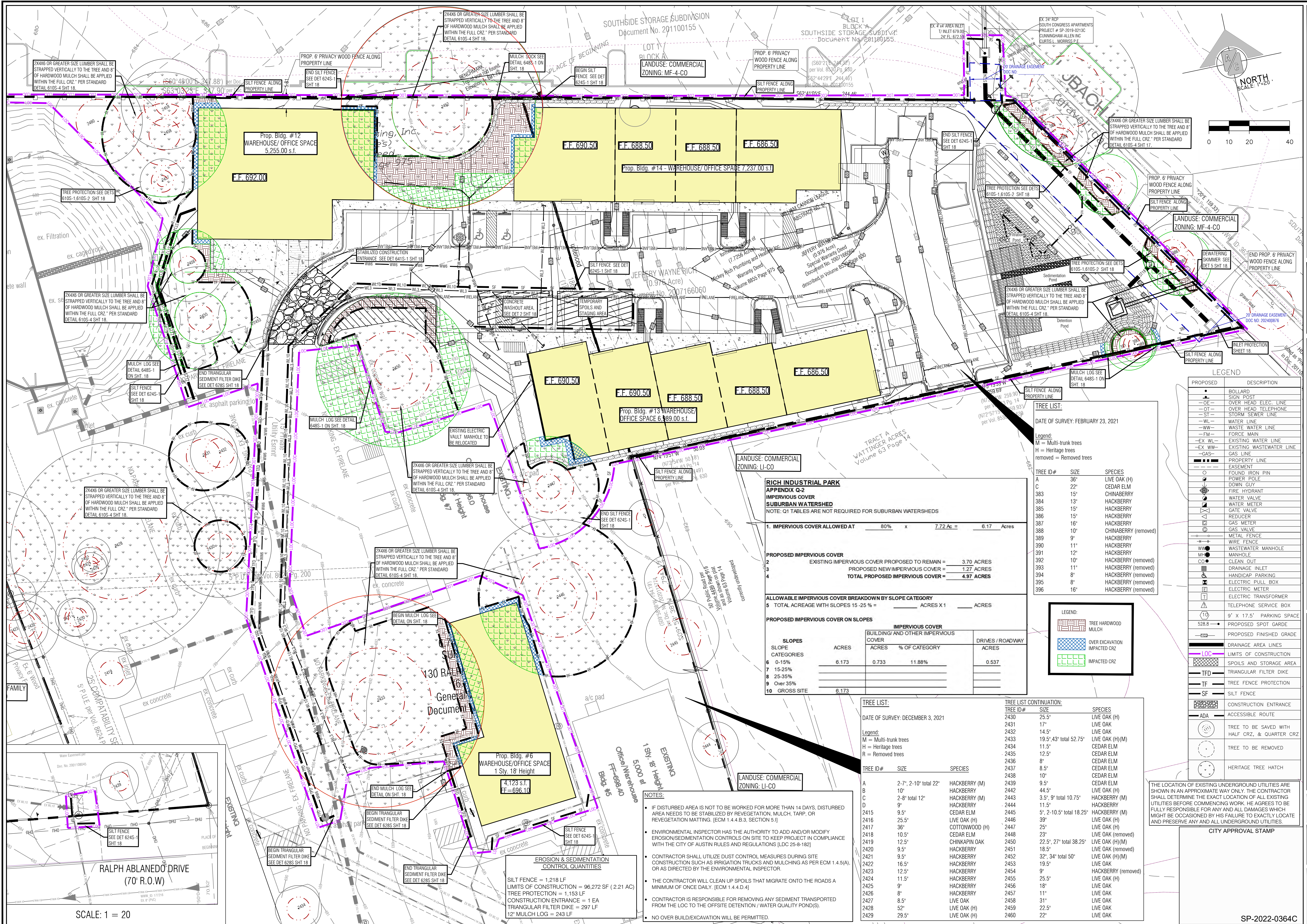


- MAJOR MAINTENANCE REQUIREMENTS.**
- The following maintenance activities shall be performed on all SCMs, in addition to the requirements listed for the individual SCM types, to ensure proper function:
 - Accumulated paper, trash and debris shall be removed every six (6) months or as necessary to maintain proper operation.
 - 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.
 - 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.
 - For detention ponds only, any time drawdown does not occur within twenty-four (24) hours.
 - 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.
 - 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.
 - Integrated pest management shall be performed and shall adhere to Section 1.6.2.F, Integrated Pest Management Guidelines.

- 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.
- Sediment build-up shall be removed:
 - When the accumulation exceeds six (6) inches in splitter boxes, wet wells and basins.
 - When sediment traps are full.
 - When sediment, of any amount, causes standing water conditions or reduces basin storage by more than 10%.
- When sediment is removed, the following requirements apply:
 - Irrigation shall be provided, as needed, until vegetation is established (well rooted). See Section 1.6.3.D, Irrigation Guidelines.
 - The design depth of the filtration media shall be verified. See Section 1.6.3.B.5.
 - Tilling of the filtration medium is not allowed.
 - For subsurface ponds maintenance plan requirements, refer to ECM Section 1.6.2(E).
- Sedimentation and Filtration SCMs (Section 1.6.5).
 - Vegetation within the SCM shall not exceed eighteen (18) inches in height at any time, except as called for in the design.
 - Vegetation that is mowed or cut shall be removed from the SCM. Detention Basins a. Vegetation within the basin shall not exceed eighteen (18) inches in height at any time.



CITY APPROVAL STAMP



PROPOSED	DESCRIPTION
•	BOLLARD
•	SIGN POST
-OE-	OVER HEAD ELEC. LINE
-OT-	OVER HEAD TELEPHONE
-ST-	STORM SEWER LINE
-WL-	WATER LINE
-WM-	WASTE WATER LINE
-FM-	FORCE MAIN
-EX WL-	EXISTING WATER LINE
-EX WM-	EXISTING WASTEWATER LINE
-GAS-	GAS LINE
---	PROPERTY LINE
---	EASEMENT
○	FOUND IRON PIN
○	POWER POLE
○	DOWN GUY
○	FIRE HYDRANT
○	WATER VALVE
○	WATER METER
○	GATE VALVE
○	REDUCER
○	GAS METER
○	GAS VALVE
○	METAL FENCE
○	WIRE FENCE
○	WASTEWATER MANHOLE
○	MANHOLE
○	CLEAN OUT
○	DRAINAGE INLET
○	HANDICAP PARKING
○	ELECTRIC PULL BOX
○	ELECTRIC METER
○	ELECTRIC TRANSFORMER
○	TELEPHONE SERVICE BOX
○	9' X 17.5' PARKING SPACE
○	PROPOSED SPOT GARDE
○	PROPOSED FINISHED GRADE
---	DRAINAGE AREA LINES
---	LIMITS OF CONSTRUCTION
---	SPOILS AND STORAGE AREA
---	TRIANGULAR FILTER DIKE
---	TREE FENCE PROTECTION
---	SILT FENCE
---	CONSTRUCTION ENTRANCE
---	ACCESSIBLE ROUTE
○	TREE TO BE SAVED WITH HALF CRZ, & QUARTER CRZ
○	TREE TO BE REMOVED
○	HERITAGE TREE HATCH

RICH INDUSTRIAL PARK			
APPENDIX Q-2			
IMPERVIOUS COVER			
SUBURBAN WATERSHED			
NOTE: Q1 TABLES ARE NOT REQUIRED FOR SUBURBAN WATERSHEDS			
1.	IMPERVIOUS COVER ALLOWED AT	80% x	7.72 Ac = 6.17 Acres
PROPOSED IMPERVIOUS COVER			
2.	EXISTING IMPERVIOUS COVER PROPOSED TO REMAIN =	3.70 ACRES	
3.	PROPOSED NEW IMPERVIOUS COVER =	1.27 ACRES	
4.	TOTAL PROPOSED IMPERVIOUS COVER =	4.97 ACRES	
ALLOWABLE IMPERVIOUS COVER BREAKDOWN BY SLOPE CATEGORY			
5.	TOTAL ACREAGE WITH SLOPES 15-25% =	ACRES X 1	ACRES
PROPOSED IMPERVIOUS COVER ON SLOPES			
SLOPES	ACRES	IMPERVIOUS COVER BUILDINGS/ AND OTHER IMPERVIOUS COVER	DRIVES / ROADWAY
CATEGORIES		ACRES % OF CATEGORY	ACRES
6 0-15%	6.173	0.733 11.88%	0.537
7 15-25%			
8 25-35%			
9 Over 35%			
10 GROSS SITE	6.173		

TREE LIST		
DATE OF SURVEY: DECEMBER 3, 2021		
Legend: M = Multi-trunk trees H = Heritage trees R = Removed trees		
TREE ID#	SIZE	SPECIES
A	2-7", 2-10" total 22"	HACKBERRY (M)
B	10"	HACKBERRY
C	2-8" total 12"	HACKBERRY (M)
D	9"	HACKBERRY
2415	9.5"	CEDAR ELM
2416	25.5"	LIVE OAK (H)
2417	36"	COTTONWOOD (H)
2418	10.5"	CEDAR ELM
2419	12.5"	CHINKAPIN OAK
2420	9.5"	HACKBERRY
2421	9.5"	HACKBERRY
2422	16.5"	HACKBERRY
2423	12.5"	HACKBERRY
2424	11.5"	HACKBERRY
2425	9"	HACKBERRY
2426	8"	HACKBERRY
2427	8.5"	LIVE OAK
2428	52"	LIVE OAK (H)
2429	29.5"	LIVE OAK (H)
TREE LIST CONTINUATION:		
TREE ID#	SIZE	SPECIES
2430	25.5"	LIVE OAK (H)
2431	17"	LIVE OAK
2432	14.5"	LIVE OAK
2433	19.5", 43" total 52.75"	LIVE OAK (H)(M)
2434	11.5"	CEDAR ELM
2435	12.5"	CEDAR ELM
2436	8"	CEDAR ELM
2437	8.5"	CEDAR ELM
2438	10"	CEDAR ELM
2439	9.5"	CEDAR ELM
2440	44.5"	LIVE OAK (H)
2441	3.5", 9" total 10.75"	HACKBERRY (M)
2442	11.5"	HACKBERRY
2443	5", 2-10.5" total 18.25"	HACKBERRY (M)
2444	39"	LIVE OAK (H)
2445	25"	LIVE OAK (H)
2446	23"	LIVE OAK (removed)
2447	22.5", 27" total 38.25"	LIVE OAK (H)(M)
2448	18.5"	LIVE OAK (removed)
2449	32", 34" total 50"	LIVE OAK (H)(M)
2450	19.5"	LIVE OAK
2451	9"	HACKBERRY (removed)
2452	25.5"	LIVE OAK (H)
2453	18"	LIVE OAK
2454	11"	LIVE OAK
2455	31"	LIVE OAK
2456	22.5"	LIVE OAK
2457	22"	LIVE OAK

- NOTES:
- IF DISTURBED AREA IS NOT TO BE WORKED 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 5.1]
 - 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 25-8-182]
 - CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(A), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
 - THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. [ECM 1.4.4.D.4]
 - CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY SEDIMENT TRANSPORTED FROM THE LOC TO THE OFFSITE DETENTION / WATER QUALITY POND(S).
 - NO OVER BUILD/EXCAVATION WILL BE PERMITTED.

EROSION & SEDIMENTATION CONTROL QUANTITIES

SILT FENCE = 1,218 LF
LIMITS OF CONSTRUCTION = 96,272 SF (2.21 AC)
TREE PROTECTION = 1,153 LF
CONSTRUCTION ENTRANCE = 1 EA
TRIANGULAR FILTER DIKE = 297 LF
12" MULCH LOG = 243 LF

AUSTIN CIVIL ENGINEERING, INC.
TYPE FIRM # F-001018
9501 B MENCHACA RD, SUITE 220
AUSTIN, TX 78748
PH: (512) 306-0018

RICH INDUSTRIAL PARK
130 RALPH ABLANEDO DR
AUSTIN, TEXAS 78748

REV.	DATE	DESCRIPTION	APPROVED BY

EROSION AND SEDIMENTATION CONTROL PLAN

15
of 31


SP-2022-0364C

GENERAL NOTES

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN DOES NOT REMOVE THESE RESPONSIBILITIES.
"REVIEWED BY AUSTIN WATER" APPLIES ONLY TO AW PUBLIC FACILITIES. ALL OTHER WATER AND WASTEWATER FACILITIES INSIDE PRIVATE PROPERTY ARE UNDER THE JURISDICTION OF BUILDING INSPECTIONS.

Use of Electronic Files General Disclaimer: Use of the attached files in any manner indicates your acceptance of terms and conditions as set forth below. If you do not agree to all of the terms and conditions, please contact Austin Water Pipeline Engineering, project coordinator prior to use of the referenced information. Please be advised that the attached files are in a format that can be altered by the user. Due to this fact, any reuse of the data will be at the user's sole risk without liability or legal exposure to the City of Austin and user shall indemnify and hold harmless The City of Austin from all claims, damages, losses and expenses including attorney's fees arising out of or resulting from using the digital file. In addition, it is the responsibility of the user to compare all data with the PDF version of this drawing. In the event there is a conflict between the PDF version drawing and the electronic file, the PDF version drawing shall prevail.

FIRE FLOW TEST DATA




AUSTIN FIRE DEPARTMENT

FIRE PREVENTION DIVISION

6310 Wilhelmina Delco Dr., Austin, Texas 78752

afd.hydrants@austintexas.gov



Hydrant Flow Test Report

TEST DATE	10/23/2023	FIRE BOX	3601	COMPANY	PREVENTION
TIME	1145 hrs	MAP GRID ID	G14	AID STAFF	FIELDS, RONALD (MIKE)

RESIDUAL HYDRANT

RESIDUAL HYDRANT #	207977	MAIN SIZE (in.)	8
BLK #	DIRECTION	STREET NAME	TYPE
100		RALPH ABLANEDO	DR
STATIC PRESSURE (PSI)	76	RESIDUAL PRESSURE (PSI)	74

FLOW HYDRANT

FLOW HYDRANT #	207848	MAIN SIZE (in.)	8
BLK #	DIRECTION	STREET NAME	TYPE
100		RALPH ABLANEDO	DR
STATIC PRESSURE (PSI)	76	RESIDUAL PRESSURE (PSI)	60

Comments

WF2/HF-TT Comments: HAD TO SWITCH HYDRANTS, ORIGNAL FLOW HYDRANT HAD A METER ATTACHED.

dc = discharge coefficient
straight 20" test = 0.9
w/ 45° elbow = 0.75

0.75

FLOW RATE (GPM) =

1084

NOTE: This information represents the water supply characteristics in the immediate area on the date and time tested. The City of Austin does not guarantee this data will be representative of the water supply characteristics at any time in the future. It is the requesting party's responsibility to ensure that this test information is appropriate to the location of the project in question and that any differences in elevation between the test location and project are accounted for and included in the hydraulic calculations.

HFTR #1726941

Automated Metering Infrastructure: Effective March 2022, new water meters installed shall be in conformance with AW's automated metering infrastructure technology, and with the applicable standard product list. Applicants filling a site plan or subdivision plan will be required to coordinate with the Austin Water Plan Reviewer for details on approval and installation.

Prior to the handling and disposal of Asbestos Pipe, the Contractor's work plans will be reviewed and coordinated through Austin Water's Asbestos Program Manager who can be reached at 512-972-0915. It is the Contractor's responsibility to utilize a trained, certified and licensed Asbestos Abatement Contractor in accordance with the Federal, State and Local regulations.

Modifications to Austin Water signed and stamped sheets are not permitted. All design modifications will need to be submitted via the ABC portal for a Plan Correction or Revision. All unethical engineering practices, including modifying City Stamped plan sheets, shall be reported to the Texas Board of Professional Engineers and Land Surveyors (PELS).
Reference: Texas Engineering Practice Act and Rules, Subchapter C: Professional Conduct and Ethics

Additional Review Acknowledgement

Onsite Water Reuse & AW Reclaimed Information

Does this development have a total gross floor building area of 250,000 square feet or more?

☐ YES
☒ NO

Distance to nearest existing AW reclaimed main?

☐ 250' or less
☐ 251' to 500'
☒ Greater than 500'

Automated Metering Information

Is this project within the current service area of AW's Data Collection Units (DCUs)?

☒ YES
☐ NO

Does this project require a dedicated easement for DCU infrastructure?

☐ YES
☒ NO

Does this project require an AULCC review?

☐ YES
☒ NO

IF YES, PLEASE PROVIDE UCC# _____

FIRE FLOW CALCULATIONS

Rich Industrial Park

CALCULATION OF AVAILABLE FIRE FLOW FROM A FIRE HYDRANT BASED ON THE FORMULA:

$Qr / Qf = (P1-P2)^{.54} / (P1-P2)^{.54}$

Residual Hydrant

Static 76 psi
Residual 74 psi

Flow Hydrant

Static 76 psi
Flow 60 psi
Rate 1084 gpm

Calculated Fire Flow Rate @ 20 psi 6554 gpm

Proposed Hydrant

Pressure loss or gain to proposed hydrant
Proposed Pipe Size 10 inch
"Looped System (insert 2) 1 1752 feet
Length of pipe 1052 feet
Hazen William Constant "C" 90
Friction Loss Per 100 ft. 0.910 psi per 100 ft.
Pipe Friction Loss 9.6 psi
Minor Losses 3.2 psi
Elevation of Proposed Hyd. 691 ft
Elevation of Residual Hyd. 684 ft
Pressure Loss or gain 3.00 psi

Net Pressure Loss or Gain 15.8 psi loss

Calc. Available Flow at Site 2014 gpm
Calc. Available Flow at most remote hydrant 2396 gpm

flow (cfs) 3.91
area(sft) 0.545
velocity (fps) 7.17

PROJECT INFORMATION¹

FIRE, DOMESTIC AND IRRIGATION DEMAND DATA	
GRID NUMBER:	G 14
MAPSCO NUMBER:	674 J , 674 N
AW INTERSECTION NUMBER:	21329 , 21330
BUILDING SIZE IN SQUARE FEET:	8,035 SQ FT
BUILDING TYPE PER IFC:	TYPE IV-V
BUILDING HEIGHT:	30 FT
AVAILABLE FIRE FLOW CALCS AT 20 PSI:	2,396 GPM
REQUIRED BUILDING FIRE FLOW PER IFC TABLE B105.1(2):	1,750 GPM
REDUCED FIRE FLOW PER 75% FIRE SPRINKLER REDUCTION PER IFC TABLE B105.2:	437.50 GPM
MINIMUM FIRE FLOW (SEE NOTE #2 BELOW):	1,750 GPM
DOMESTIC WATER DEMAND IN GPM:	75 GPM
WATER SUPPLY FIXTURE UNITS (WSFU) FLUSH TANKS OR CUSHOMETERS (CIRCLE APPLICABLE ITEM):	250
AUSTIN WATER PRESSURE ZONE:	SOUTH PRESSURE ZONE
STATIC WATER PRESSURE IN PSI:	76 PSI
STATIC PRESSURE AT THE HIGHEST LOT SERVED IN PSI:	77
STATIC PRESSURE AT THE LOWEST LOT SERVED IN PSI:	59
MAXIMUM IRRIGATION DEMAND:	10
FIRE LINE VELOCITY: 10" SIZE OF FIRE LINE	7.17 FPS (1752GPM)
DOMESTIC LINE VELOCITY: 3" SIZE OF DOMESTIC LINE	0.41 fps (9.03 GPM)
LIVING UNIT EQUIVALENTS (LUES)	6.72

NOTE: LOTS WITH 65 PSI OR GREATER REQUIRE A PRV TO BE INSTALLED ON THE PROPERTY OWNERS SIDE OF THE DOMESTIC WATER METER.

- WITH THE EXCEPTION OF PROVIDING THE REQUIRED INFORMATION, DO NOT REVISE THESE TABLES IN ANYWAY.
- MIN FIRE FLOW: DESIGN ENGINEER MUST INDICATE VALUES WHICH COMPLY WITH IFC TABLES B105.1(2) OR B105.2 (REQUIRED OR REDUCED FIRE FLOWS). MIN FIRE FLOW VALUE SHALL BE NO LESS THAN 1000 GPM FOR NFPA 13 SYSTEMS OR 1500 GPM FOR NFPA 13R SYSTEMS (FOOTNOTES a and b FOR TABLE B105.2).
- IF DEMAND, OTHER THAN MINIMUM FIRE FLOW, IS UTILIZED IN FIRE LINE VELOCITY DETERMINATION, ENGINEERING JUSTIFICATION SHALL BE SHOWN ON THIS SHEET WITH APPLICABLE DATA AND CALCULATIONS.

INSPECTION NOTES

Please contact Development Services Department, Site and Subdivision Inspection at sitesubintake@austintexas.gov for arrangements for payment of inspection fees and job assignment for inspection of the public utilities to this site. Inspection fees must be paid before any Pre-construction meeting can be held.

STANDARD CONSTRUCTION NOTES

October 1, 2021

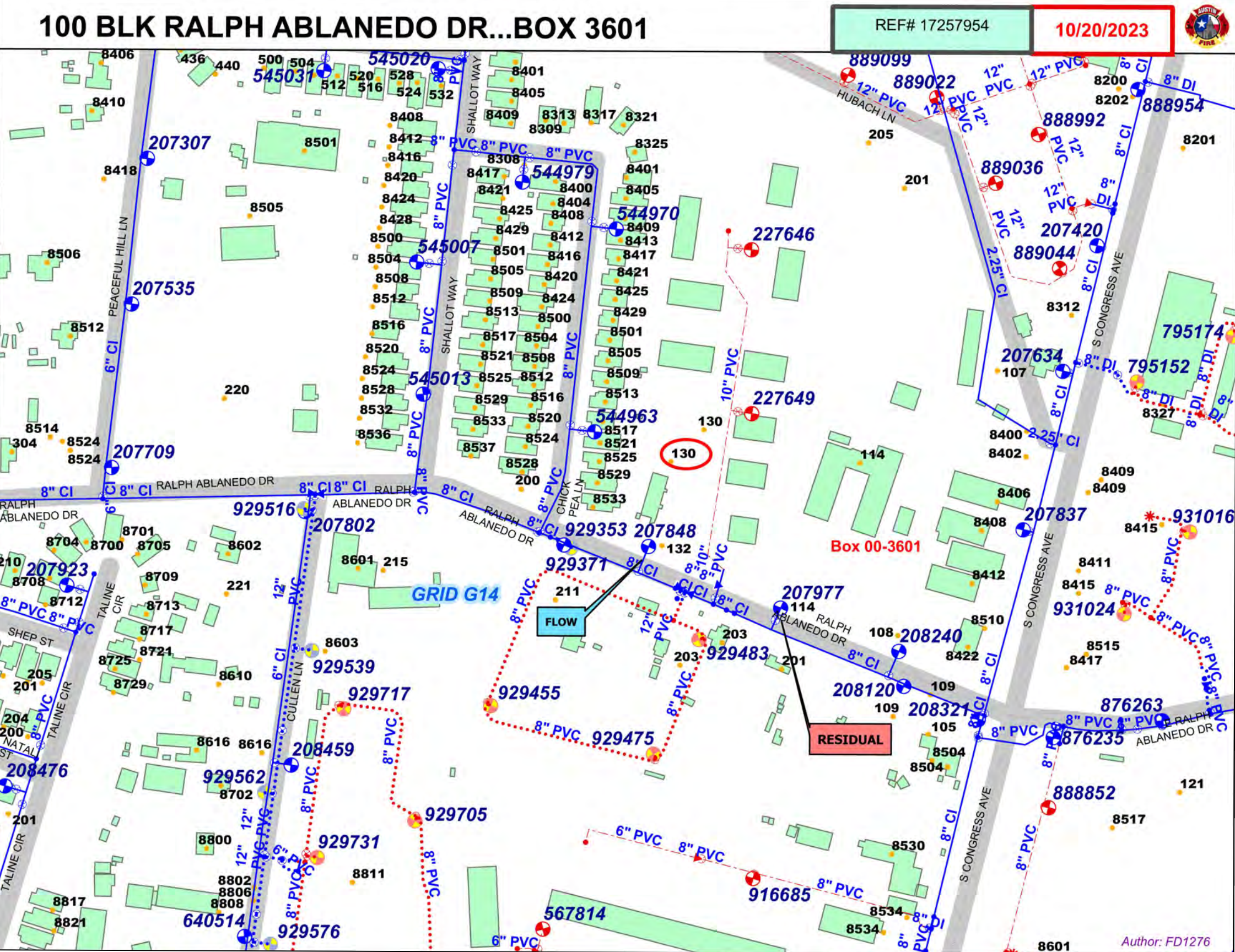
- THE CITY STANDARD CONSTRUCTION SPECIFICATIONS CURRENT AT THE TIME OF BIDDING SHALL COVER MATERIALS AND METHODS USED TO DO THIS WORK.
- CONTRACTOR MUST OBTAIN A ROW PERMIT FROM AUSTIN TRANSPORTATION DEPT, RIGHT OF WAY MANAGEMENT DIVISION BEFORE BEGINNING CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF A PUBLIC STREET OR ALLEY. ACTIVITY WITHIN RIGHT-OF-WAY SHALL COMPLY WITH APPROVED TCP.
- AT LEAST 48 HOURS PRIOR TO BEGINNING ANY UTILITY CONSTRUCTION ACTIVITY IN PUBLIC ROW OR PUBLIC EASEMENT, THE CONTRACTOR SHALL NOTIFY THE APPLICABLE CITY OF AUSTIN INSPECTION GROUP (AUSTIN TRANSPORTATION, DEVELOPMENT SERVICES, OR PUBLIC WORKS). SEE CURRENT NOTIFICATION REQUIREMENTS AT WWW.AUSTINTEXAS.GOV.
- THE CONTRACTOR SHALL CONTACT THE AUSTIN AREA "ONE CALL" SYSTEM AT 1-800-344-8377 FOR EXISTING UTILITY LOCATIONS PRIOR TO ANY EXCAVATION IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES TO BE EXTENDED, TIED TO, OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCE BY THE CONSTRUCTION OPERATIONS. THE CITY OF AUSTIN WATER AND WASTEWATER MAINTENANCE RESPONSIBILITY ENDS AT R.O.W./EASEMENT LINES.
- NO OTHER UTILITY SERVICE/APURTENANCES SHALL BE PLACED NEAR THE PROPERTY LINE, OR OTHER ASSIGNED LOCATION DESIGNATED FOR WATER AND WASTEWATER UTILITY SERVICE THAT WOULD INTERFERE WITH THE WATER AND WASTEWATER SERVICES.
- MINIMUM TRENCH SAFETY MEASURES SHALL BE PROVIDED, AS REQUIRED BY OSHA, CITY SPECIFICATION 509S, AND CITY/COUNTY CONSTRUCTION INSPECTORS.
- ALL MATERIALS TESTS ORDERED BY THE OWNER FOR QUALITY ASSURANCE PURPOSES, SHALL BE CONDUCTED BY AN INDEPENDENT LABORATORY AND FUNDED BY THE OWNER IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 1804S.04.
- PRESSURE TAPS SHALL BE ALLOWED ON A CASE BY CASE BASIS, AS DETERMINED BY THE DIRECTOR'S DESIGNEE. NORMALLY PRESSURE TAPS 4 INCHES AND LARGER SHALL BE ALLOWED IN THE FOLLOWING CASES: A) A TEST SHUT OUT INDICATES AN ADEQUATE SHUT OUT TO PERFORM THE WORK IS NOT FEASIBLE B) MORE THAN 30 CUSTOMERS OR A SINGLE CRITICAL CUSTOMER (AS DEFINED BY AUSTIN WATER) WOULD BE IMPACTED BY THE SHUT OUT OR C) THE EXISTING WATER LINE WARRANTS IT.
- WATER LINE TESTING AND STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEMS 510.3 (27)-(29). FORCE MAIN PRESSURE TESTING SHALL BE CONDUCTED AND FALL UNDER THE SPECIFICATIONS AS WATER LINES (PRESSURE PIPE) OR AT THE PRESSURES SHOWN ON THE APPROVED PLANS.
- ALL MATERIAL USED ON THIS PROJECT MUST BE LISTED ON THE STANDARD PRODUCTS LISTING. ANY MATERIAL NOT LISTED HAS TO GO THROUGH THE REVIEW OF THE STANDARDS COMMITTEE FOR REVIEW AND APPROVAL PRIOR TO START OF PROJECT. TESTING AND EVALUATION OF PRODUCTS ARE REQUIRED BEFORE APPROVAL WILL BE GIVEN ANY CONSIDERATION.
- WHEN WATER SERVICES ARE DAMAGED AND THE SERVICE MATERIAL IS POLYETHYLENE (PE), THE LINE SHALL BE REPAIRED ONLY BY HEAT FUSION WELD, AT BRASS FITTINGS, OR THE FULL LENGTH SHALL BE REPLACED PER CURRENT STANDARD DETAIL(S). WHEN POLYBUTYLENE (PB) TUBING IS DAMAGED OR TAMPERED WITH IN ANY WAY, THE FULL LENGTH OF SERVICE LINE SHALL BE REPLACED. (NOTE: FULL LENGTH IS FROM THE CORPORATION STOP TO THE METER). REPAIR COUPLINGS ARE NOT ALLOWED FOR ANY WATER OR WASTEWATER SERVICE LINE REPAIR, RECONNECT, OR REPLACEMENT.
- WHEN AN EXISTING WATERLINE SHUT OUT IS NECESSARY AND POSSIBLE, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR WHO WILL THEN NOTIFY AUSTIN WATER DISPATCH AND THE AFFECTED CUSTOMERS A MINIMUM OF FORTY- EIGHT (48) HOURS IN ADVANCE.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR SO THAT HE CAN NOTIFY THE AUSTIN WATER AT 972-0000 AT A MINIMUM OF 72 HOURS PRIOR TO RELOCATING ANY DOMESTIC OR FIRE DEMAND WATER METERS. THE CONTRACTOR SHALL CAREFULLY REMOVE ALL METERS AND METERS BOXES THAT ARE INDICATED TO BE RELOCATED OR SALVAGED. THE CONTRACTOR SHALL INSTALL THE REMOVED METER OR CITY PROVIDED METER AT THE NEW LOCATION INDICATED ON THE CONSTRUCTION PLANS.
- THE CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITIES, BELOW GROUND AND OVERHEAD, PRIOR TO STARTING ONSITE UTILITY WORK.
- ALL WATER, WASTEWATER, AND RECLAIMED MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE SEPARATION DISTANCES INDICATED ON THE PLANS, PER UTILITY CRITERIA MANUAL AND TCEQ CHAPTERS 210, 217, AND 290.
- PROJECT-SPECIFIC SHOP DRAWINGS SHALL BE SUBMITTED FOR AW APPROVAL FOR PRE-CAST CIRCULAR VERTICAL MANHOLE SECTIONS LARGER THAN 48" DIAMETER. THE SHOP DRAWINGS SHALL INCLUDE THE FLOWLINE ELEVATION OF ALL CONNECTING PIPES; ELEVATIONS OF TRANSITIONS FROM LARGE DIAMETER SECTIONS TO 48" DIAMETER SECTIONS; TOP OF MANHOLE AND SURROUNDING GROUND ELEVATIONS; AND DETAILS OF SPECIAL CONSTRUCTION CONSIDERATIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
- WHEN CONCRETE MANHOLES LARGER THAN 48 INCH DIAMETER ARE USED, DRAWINGS THAT ARE SEALED BY A PROFESSIONAL ENGINEER SHALL BE SUBMITTED FOR BASE SLABS, FLAT TOP LIDS (IF USED), AND FLAT TYPE CONCRETE PIECES USED TO TRANSITION FROM LARGER TO SMALLER DIAMETER MANHOLE SECTIONS.
- ALL FIRE HYDRANTS AND VALVES THAT ARE TO BE ABANDONED SHALL BE REMOVED, SALVAGED AND RETURNED TO AUSTIN WATER. NOTICE SHOULD BE GIVEN 48 HOURS PRIOR. TO PIPELINE OPERATIONS DISTRIBUTION SYSTEM -VALVES AND HYDRANT SERVICES SUPERVISOR AT 512-972-1280.
- ALL EXISTING WATER METERS IDENTIFIED TO BE RELOCATED OR ABANDONED AT THE DEVELOPMENT SHALL BE REMOVED FROM THE METER BOX PRIOR TO CONSTRUCTION AND GIVEN IMMEDIATELY TO THE CITY OF AUSTIN INSPECTOR.
- THE ENGINEER SHALL CALL OUT THE SIZE, TYPE AND USE (DOMESTIC OR IRRIGATION) OF ALL EXISTING WATER METERS TO BE RELOCATED OR REPURPOSED. WATER METER NUMBERS WILL NOT BE REQUIRED TO BE PLACED ON THE PLAN SHEET. A SEPARATE AUSTIN WATER TAPS OFFICE FORM WILL BE USED TO PROVIDE RELEVANT DATA FOR THE EXISTING INFORMATION ON EXISTING METERS TO RECEIVE APPROPRIATE CREDITS. THIS FORM SHALL BE DIRECTLY SUBMITTED TO AUSTIN WATER TAPS OFFICE FOR REVIEW AND PROCESSING.
- NO CONNECTION MAY BE MADE BETWEEN THE PRIVATE PLUMBING AND AUSTIN WATER INFRASTRUCTURE UNTIL A CITY APPROVED WATER METER HAS BEEN INSTALLED.
- METER BOXES AND CLEAN OUTS SHALL NOT BE LOCATED WITHIN PAVED AREAS SUCH AS DRIVEWAYS AND SIDEWALKS.

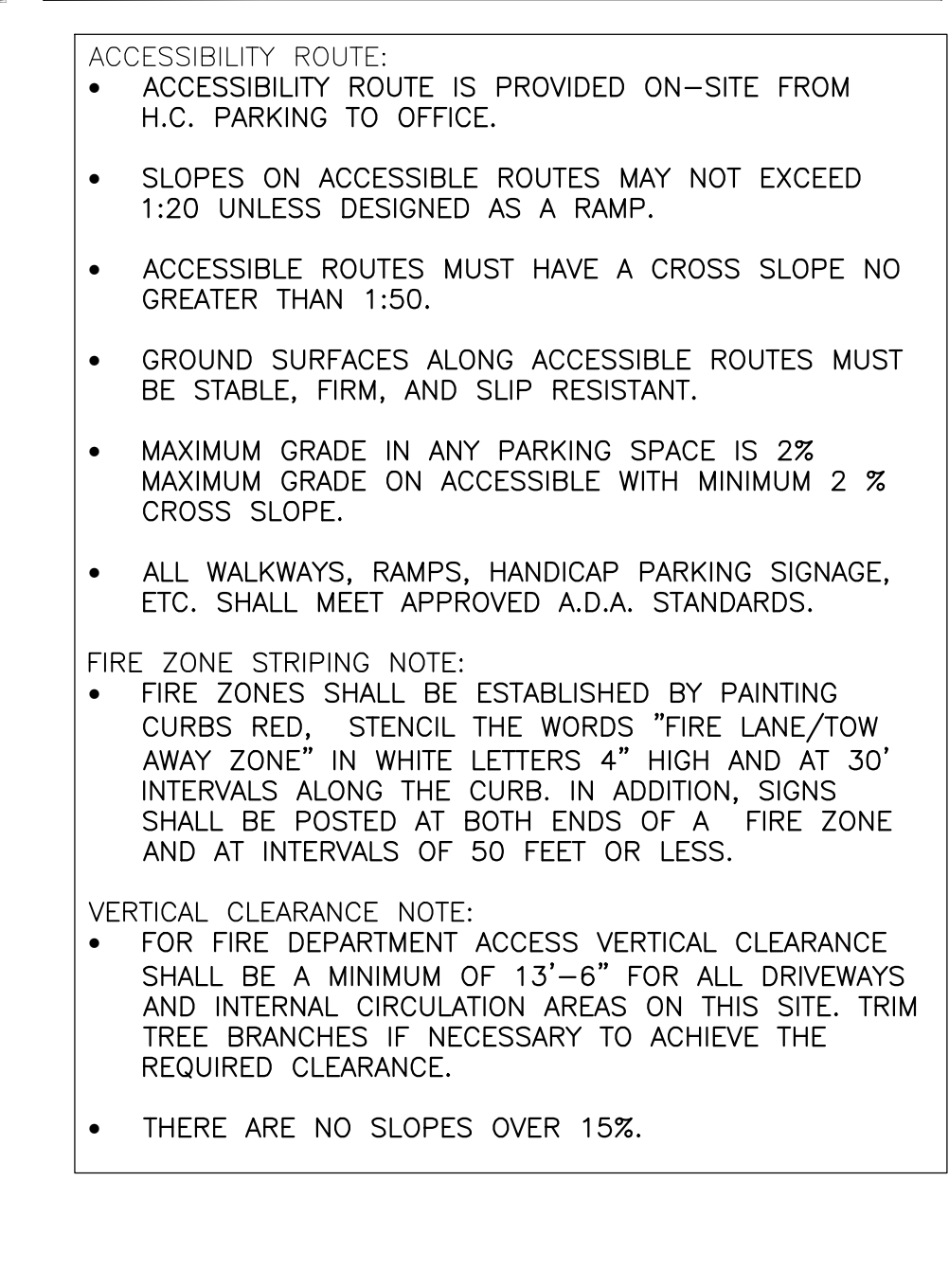
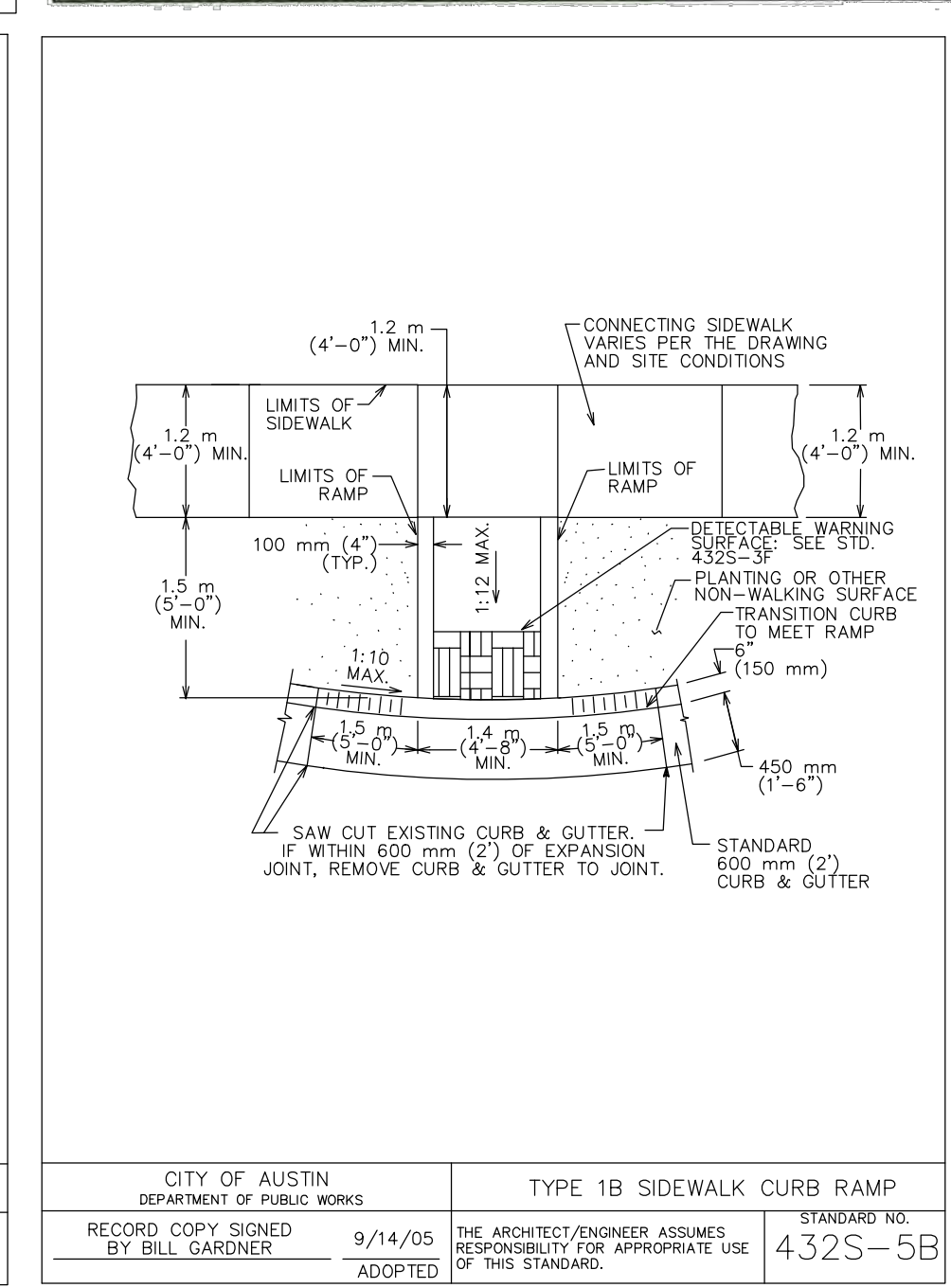
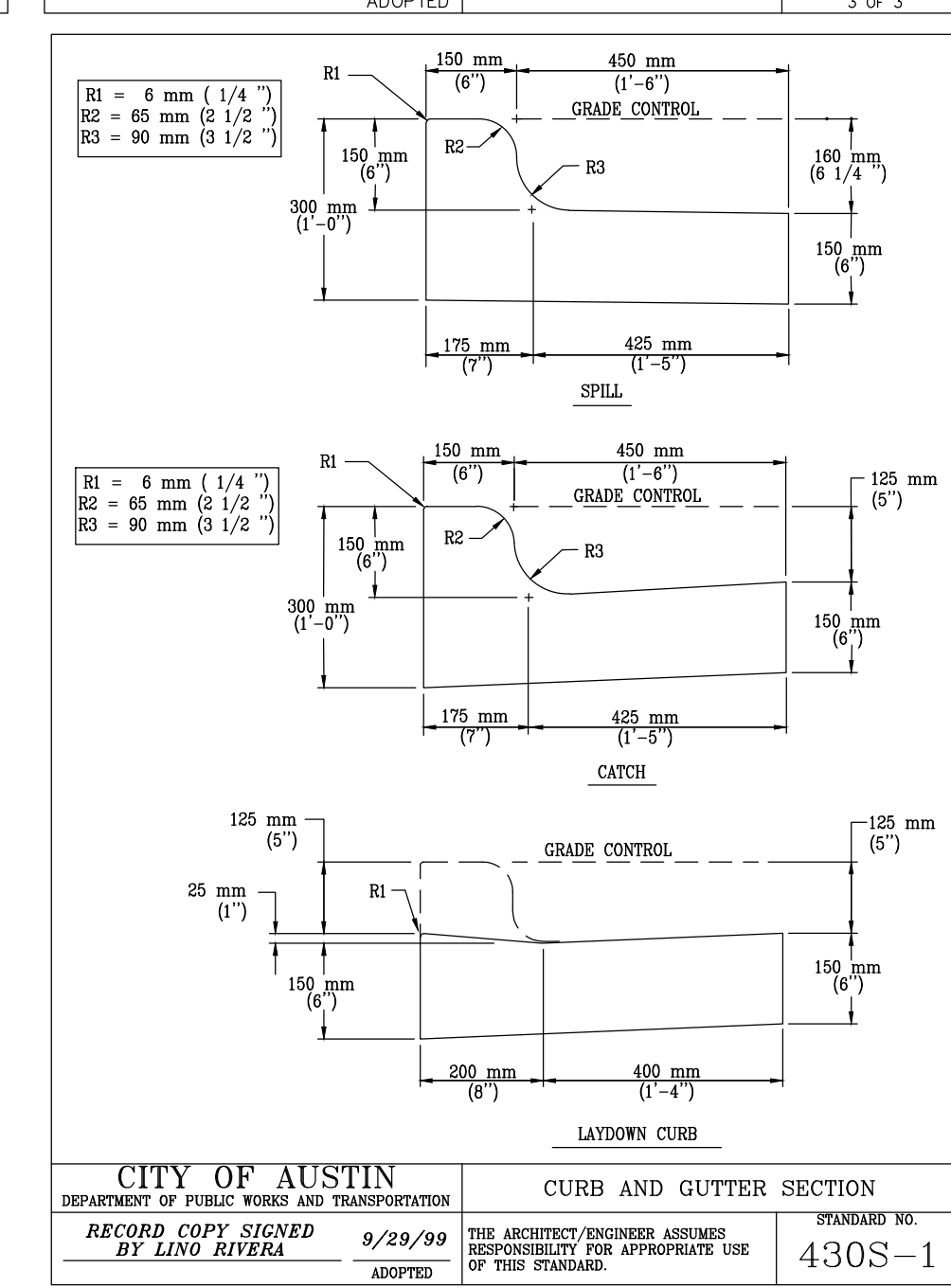
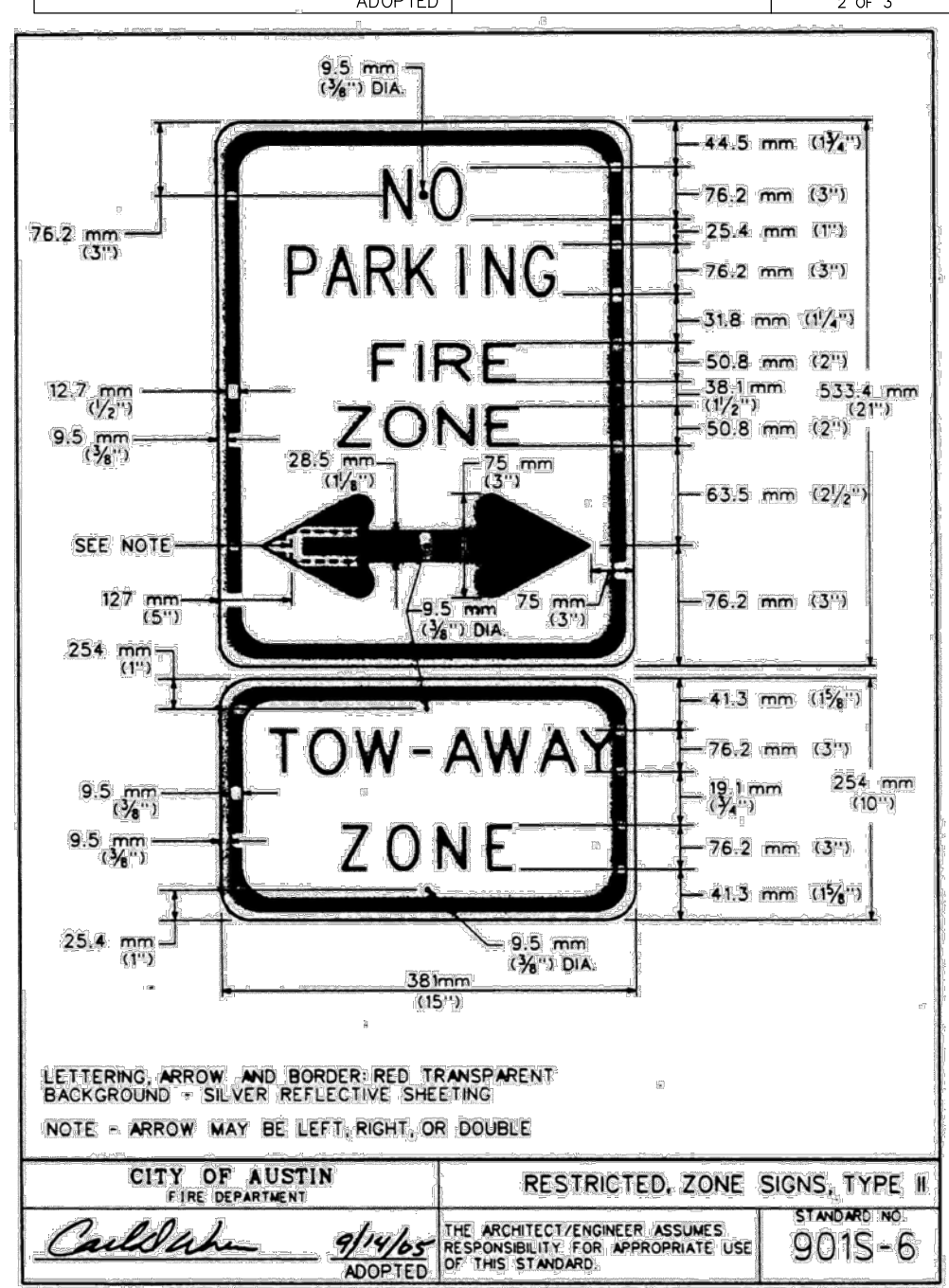
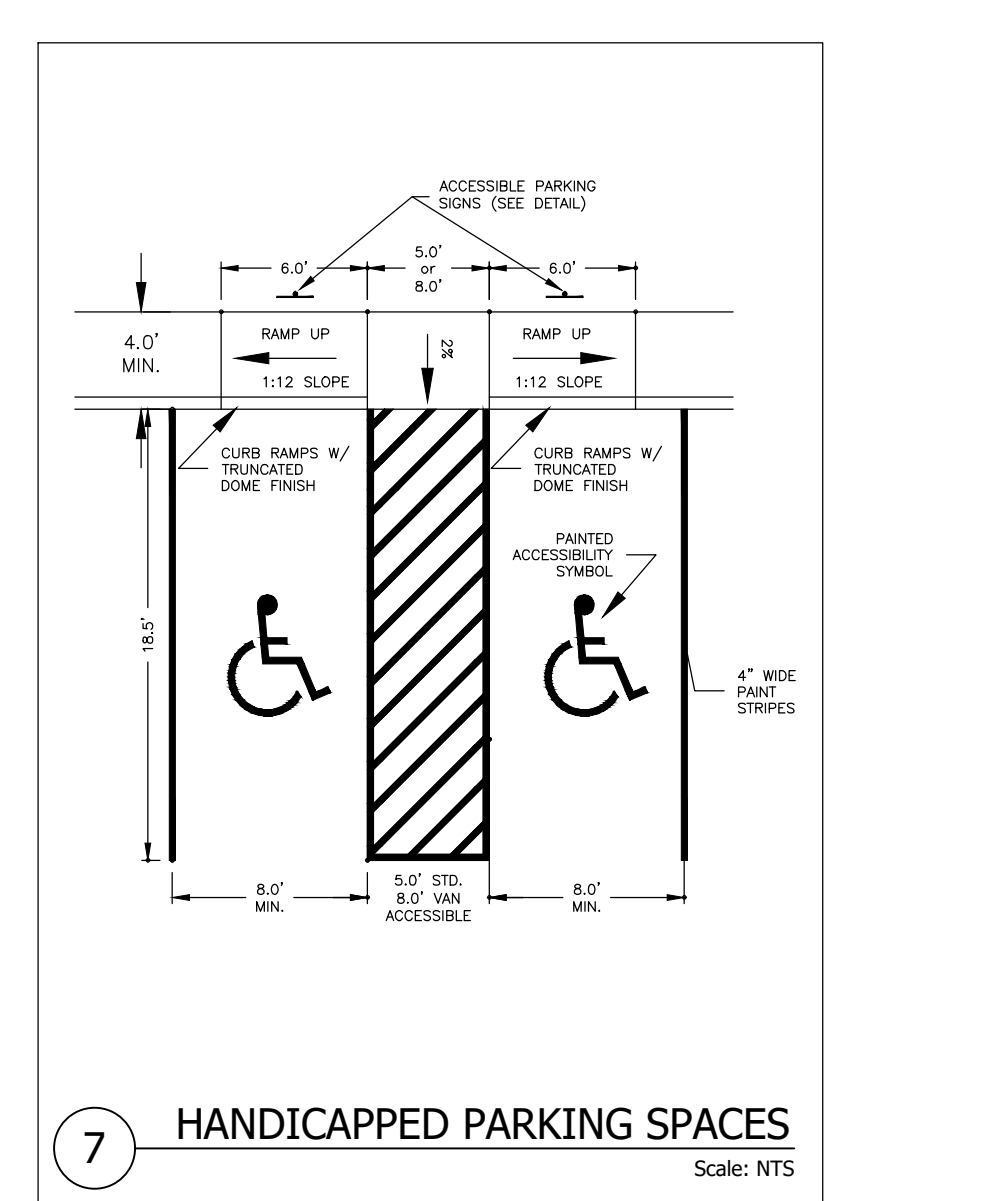
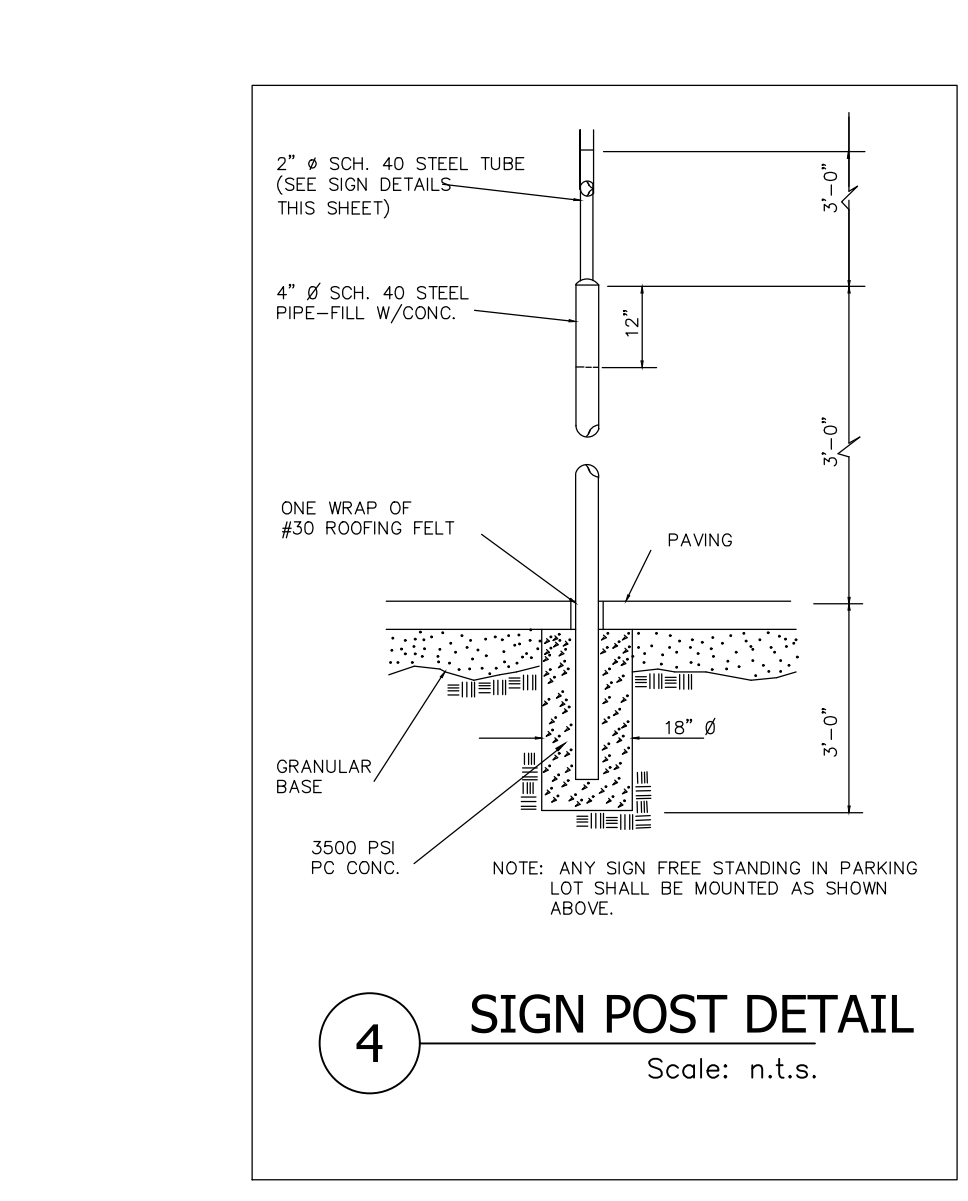
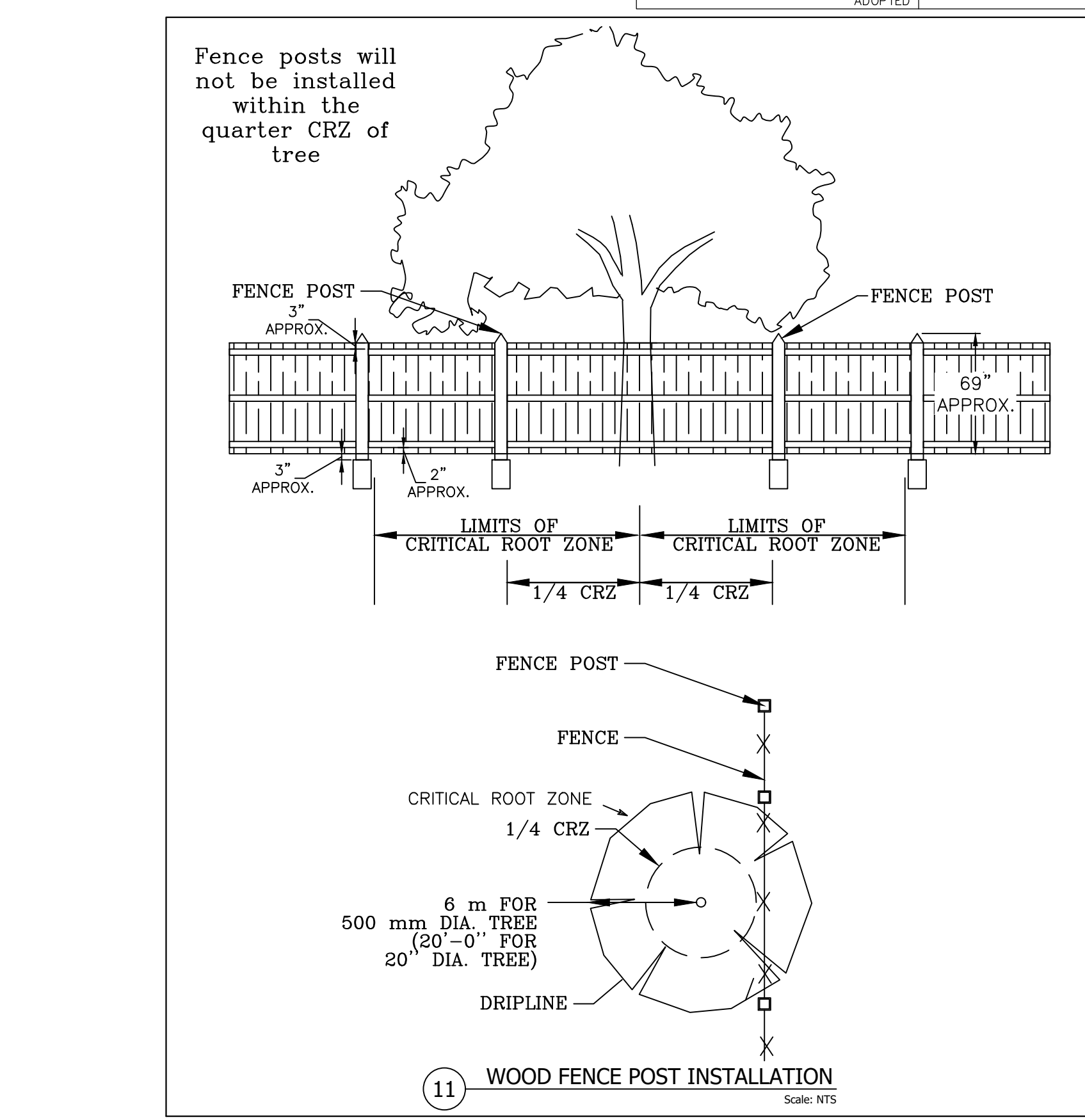
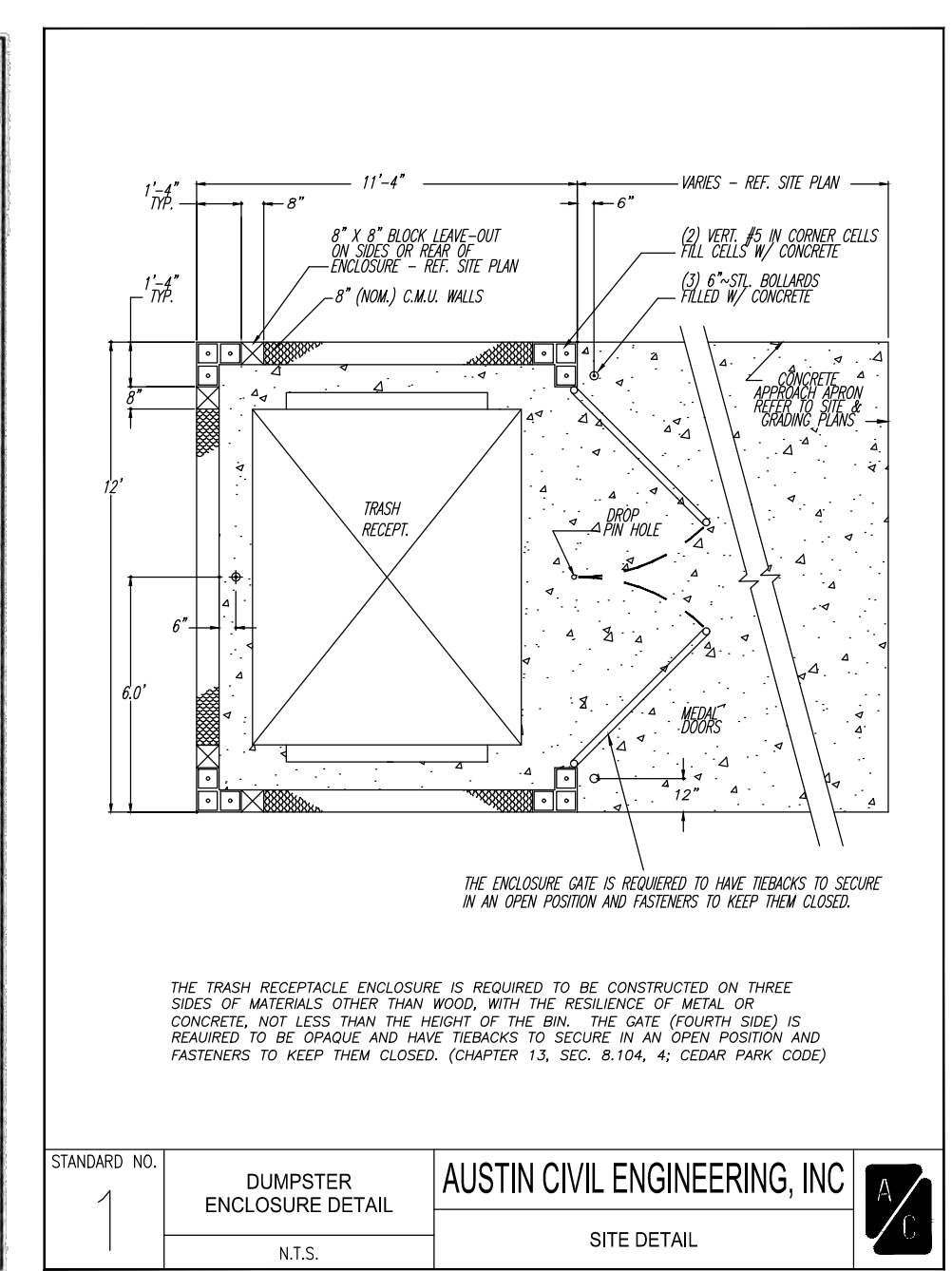
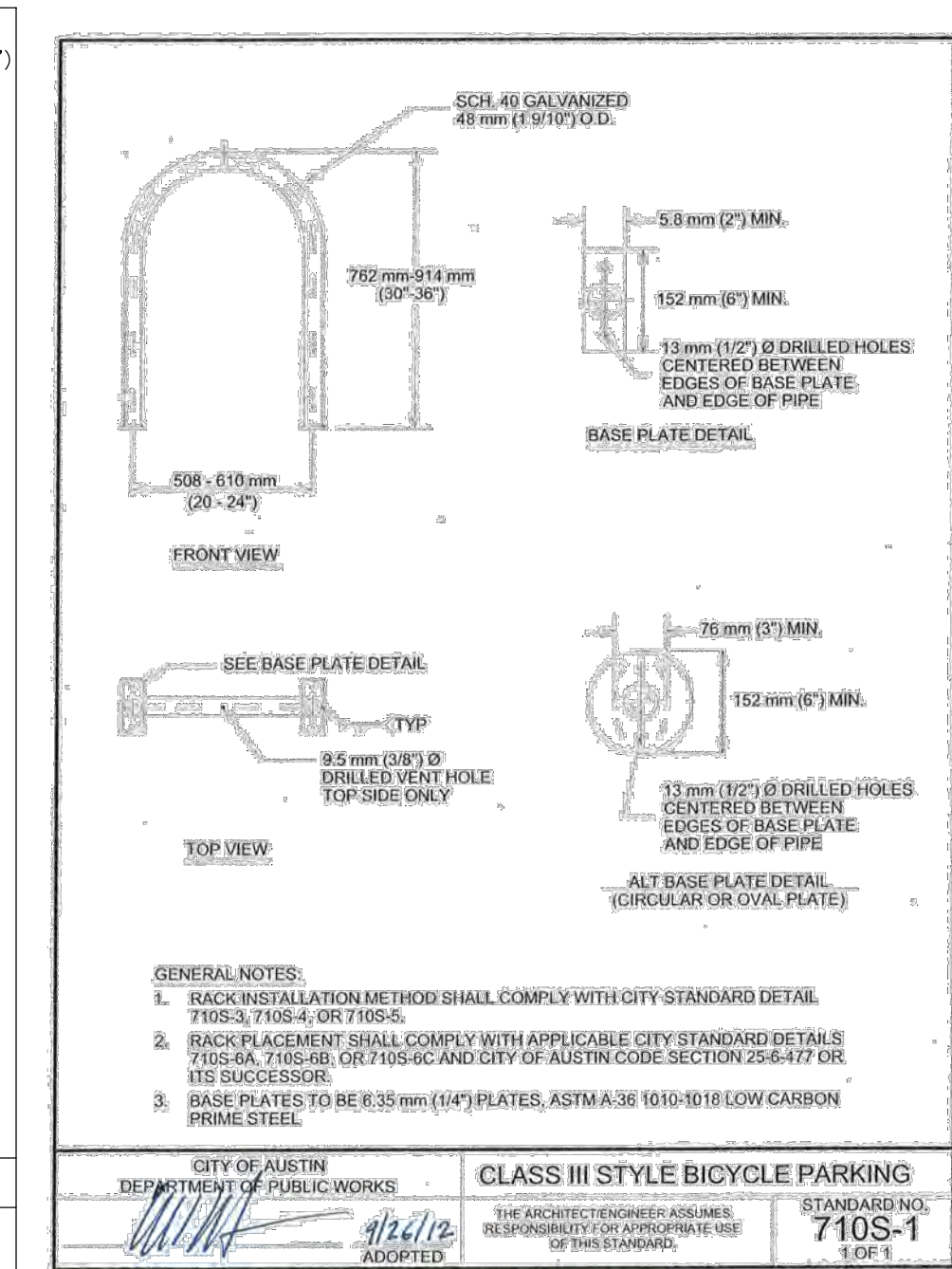
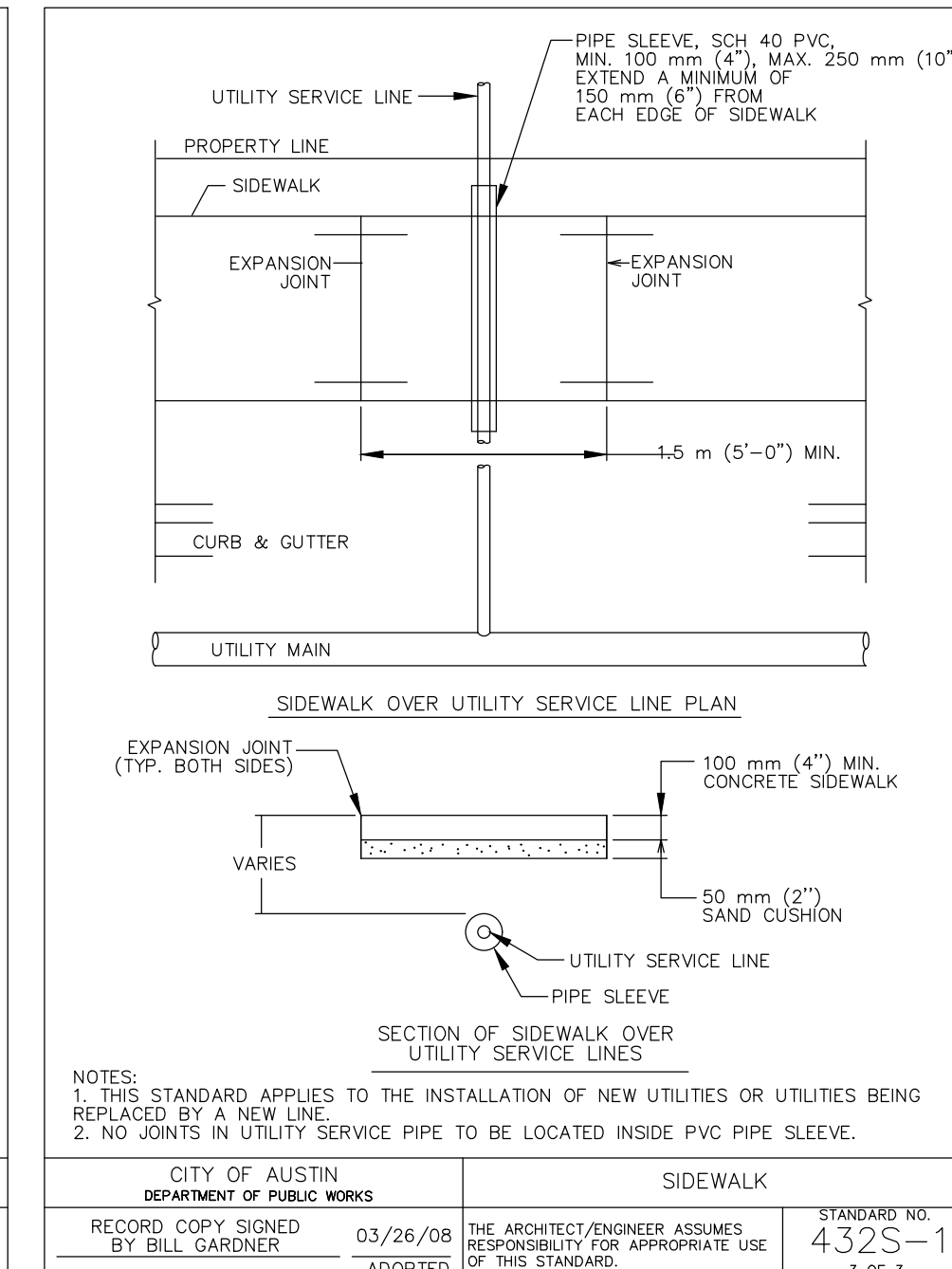
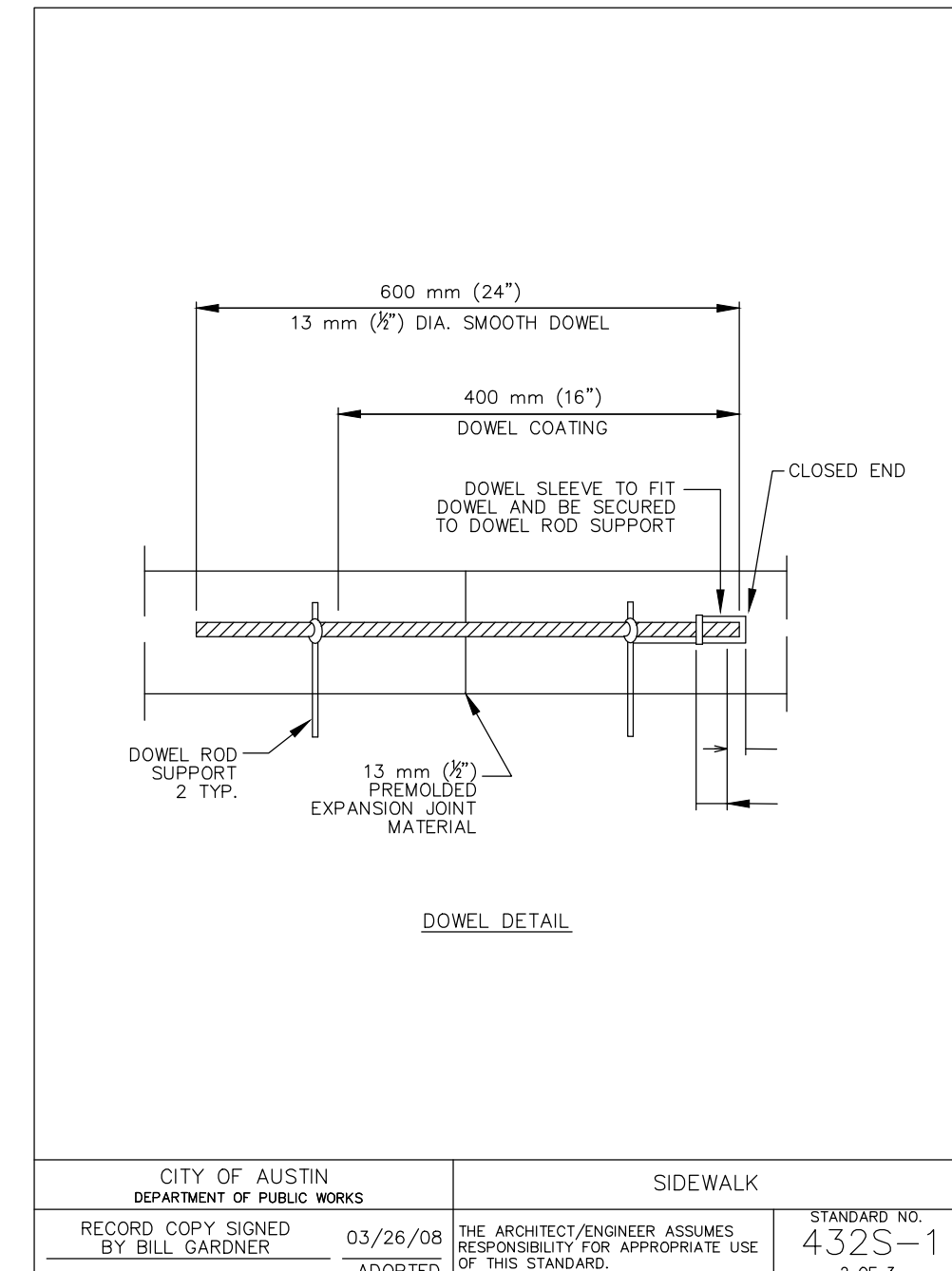
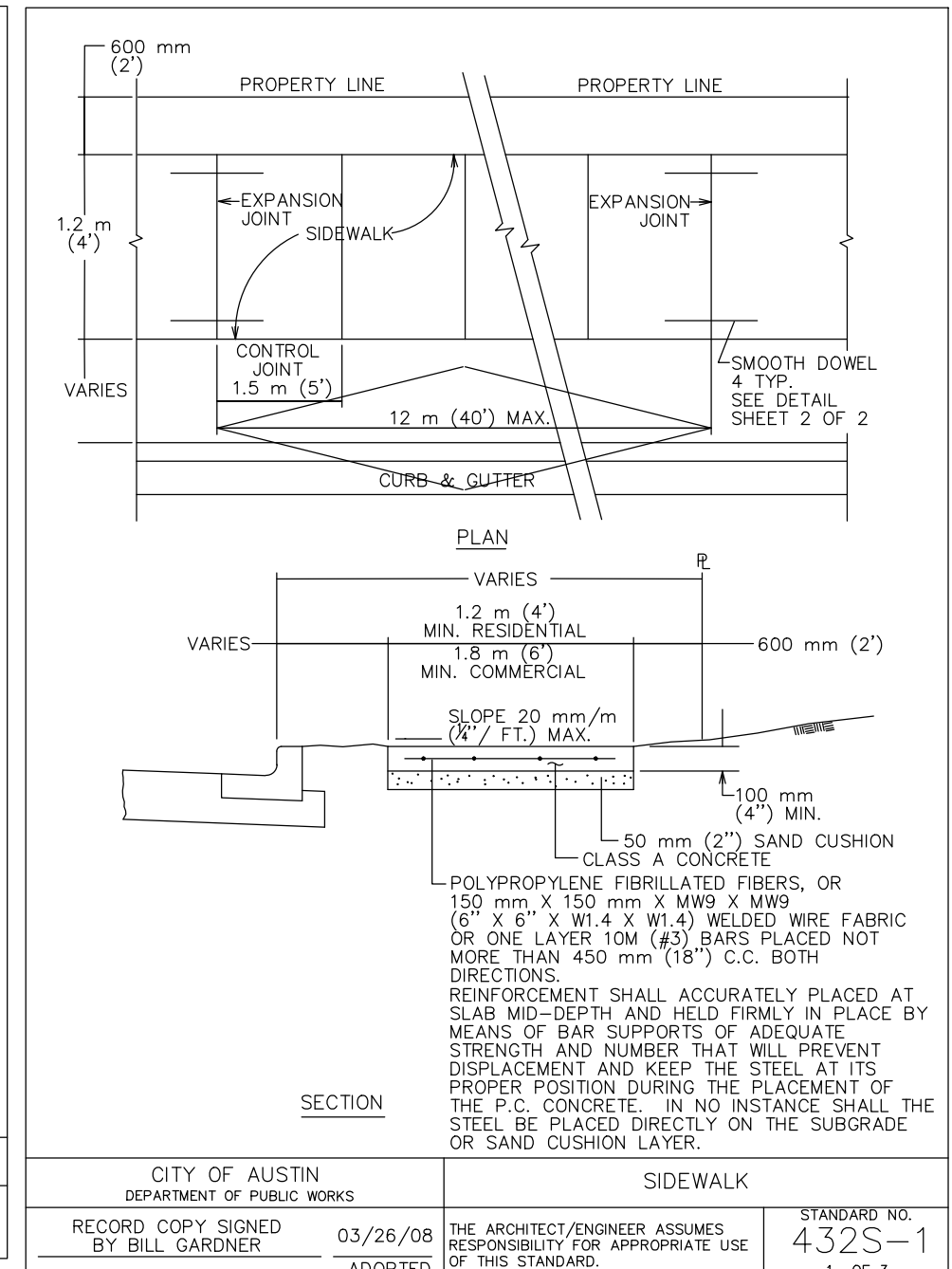
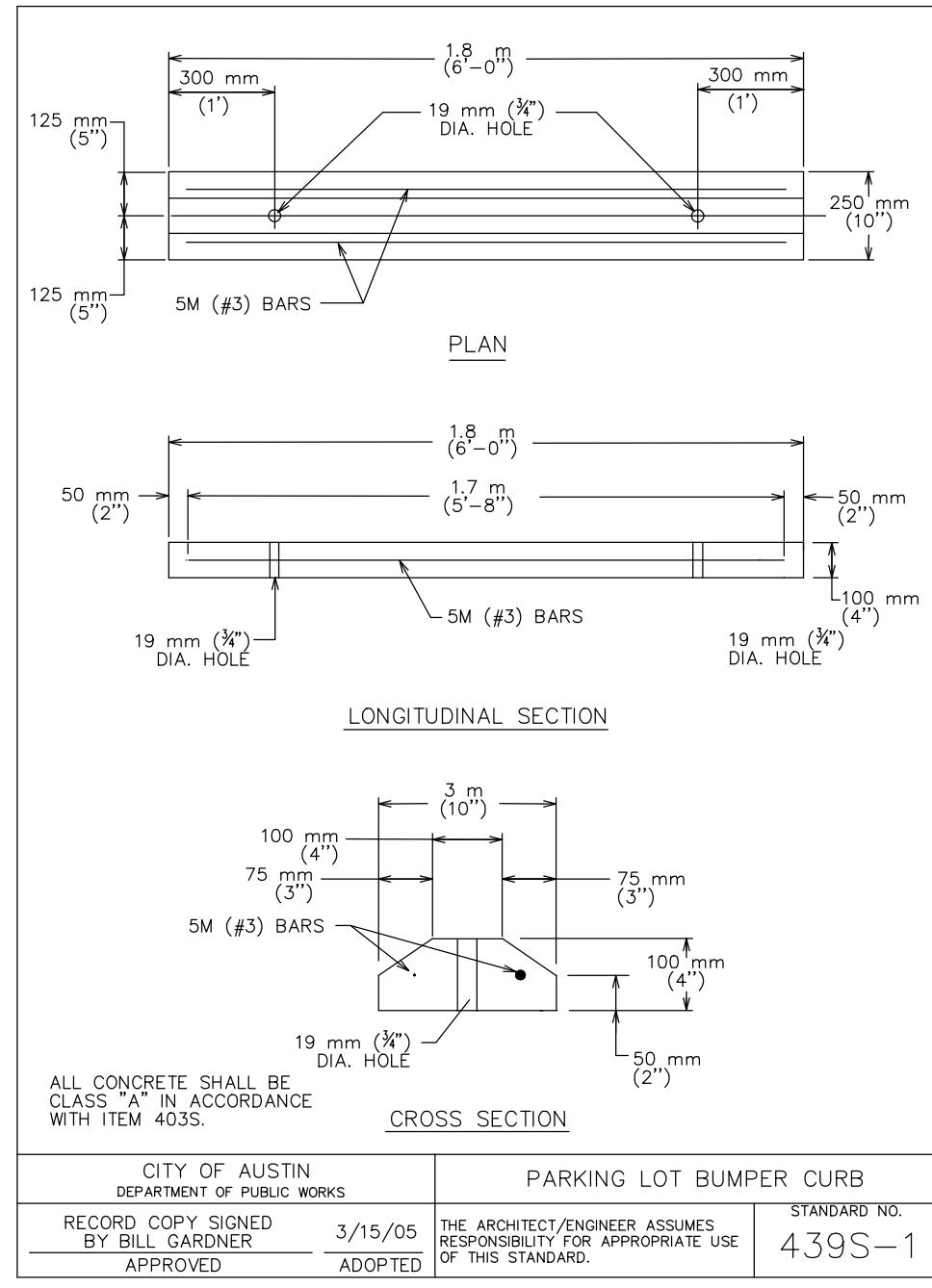
AW INFRASTRUCTURE INFORMATION

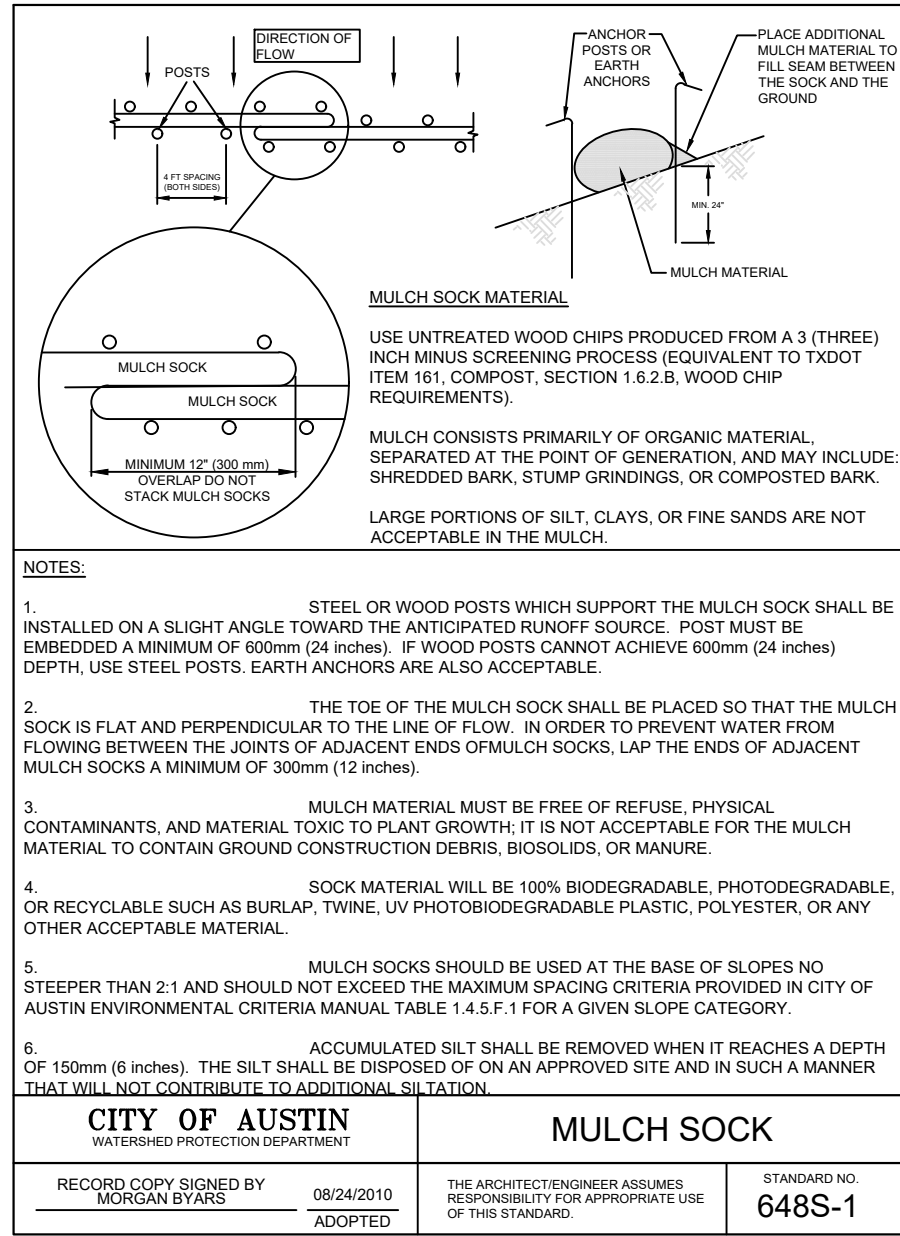
PROPOSED PRODUCT TYPE (TO BE INSTALLED)	LENGTH OF PIPE (L.F.)	SIZE OF PIPE (INCH)	NO. OF SERVICES
WATER MAIN			
WASTEWATER MAIN			
RECLAIMED WATER MAIN			
WATER SERVICE	3.71 FT	2"	1
WASTEWATER SERVICE			
RECLAIMED WATER SERVICE			

EXPAND OR REDUCE TABLE AS NEEDED.
THE INFORMATION INCLUDED IN THIS TABLE ARE APPROXIMATE VALUES ESTIMATED BASED ON GENERAL ENGINEERING GUIDELINES

FIRE FLOW MAP

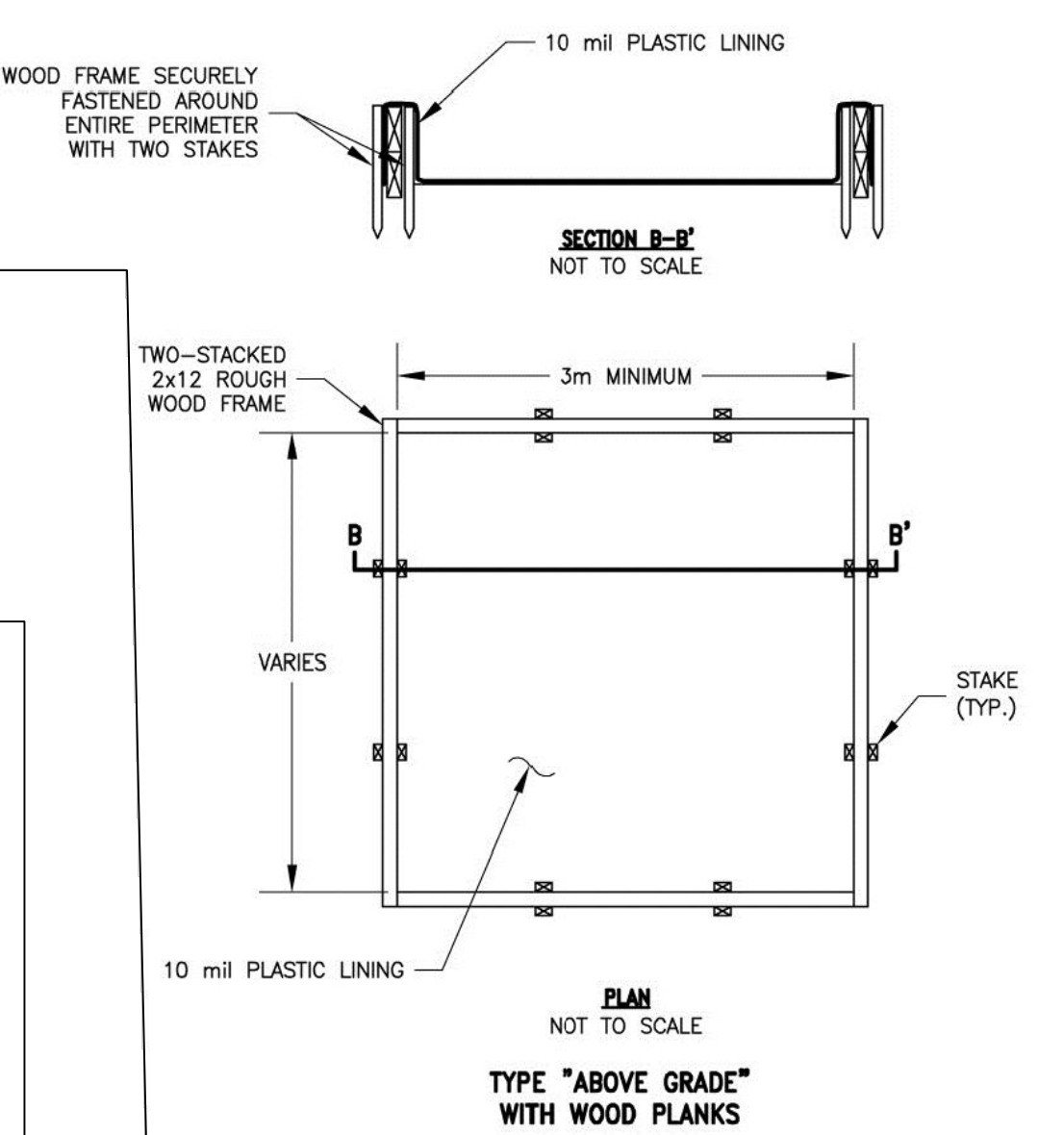
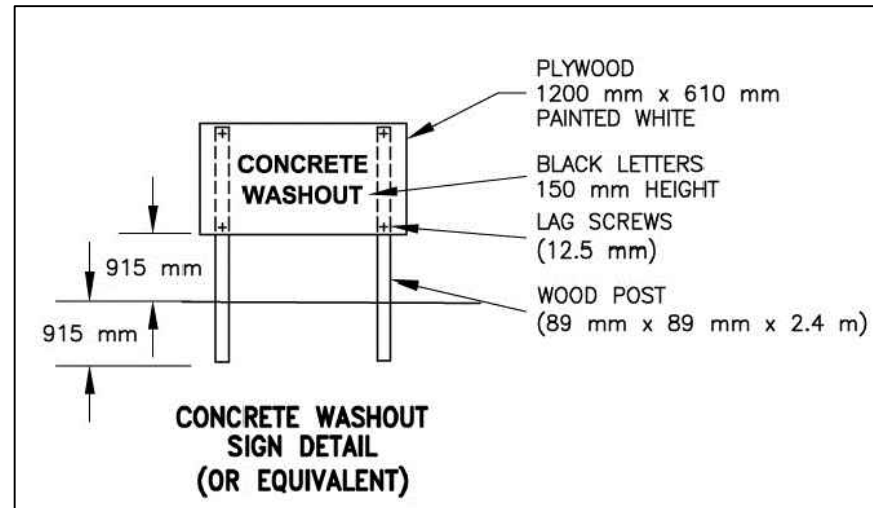






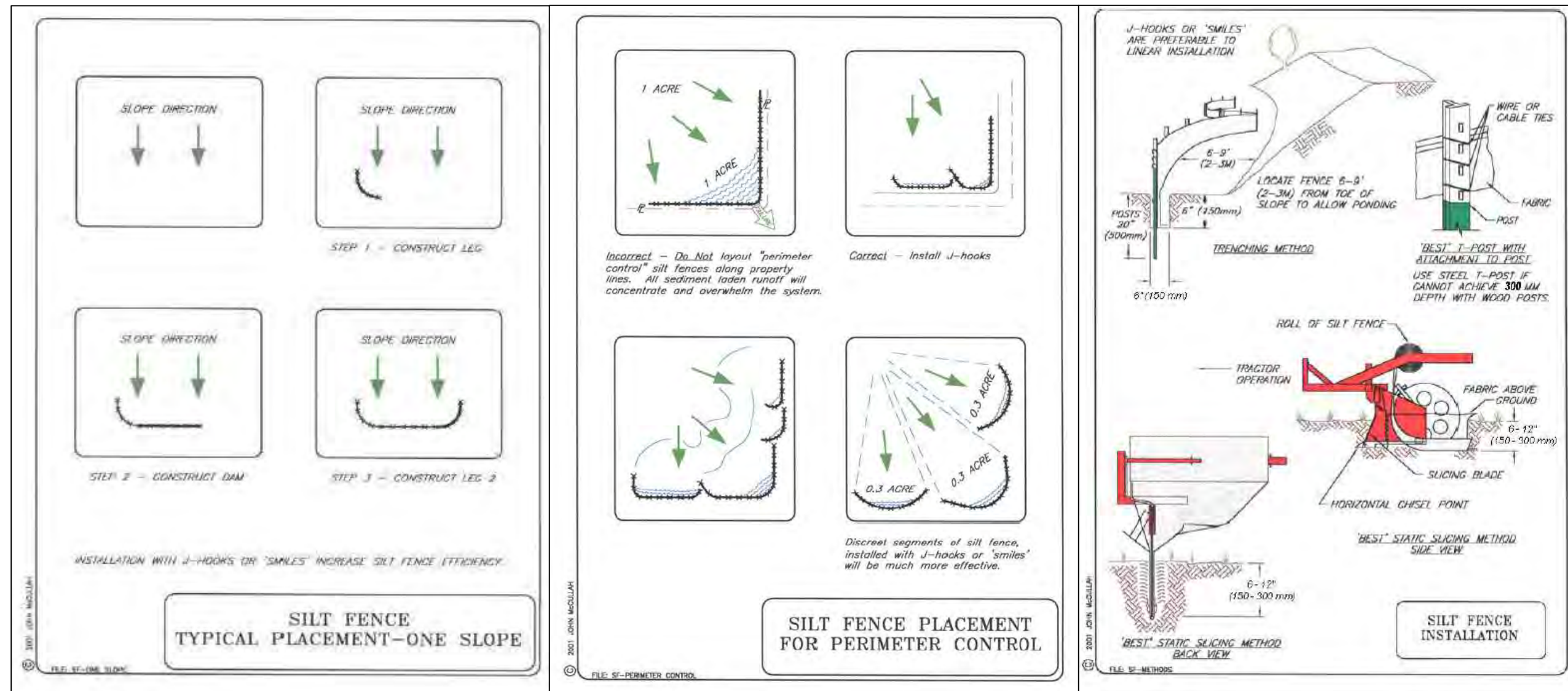
NOTES:

- MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
- HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.
- ACTUAL LAYOUT DETERMINED IN THE FIELD.
- THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10m OF THE TEMPORARY CONCRETE WASHOUT FACILITY.



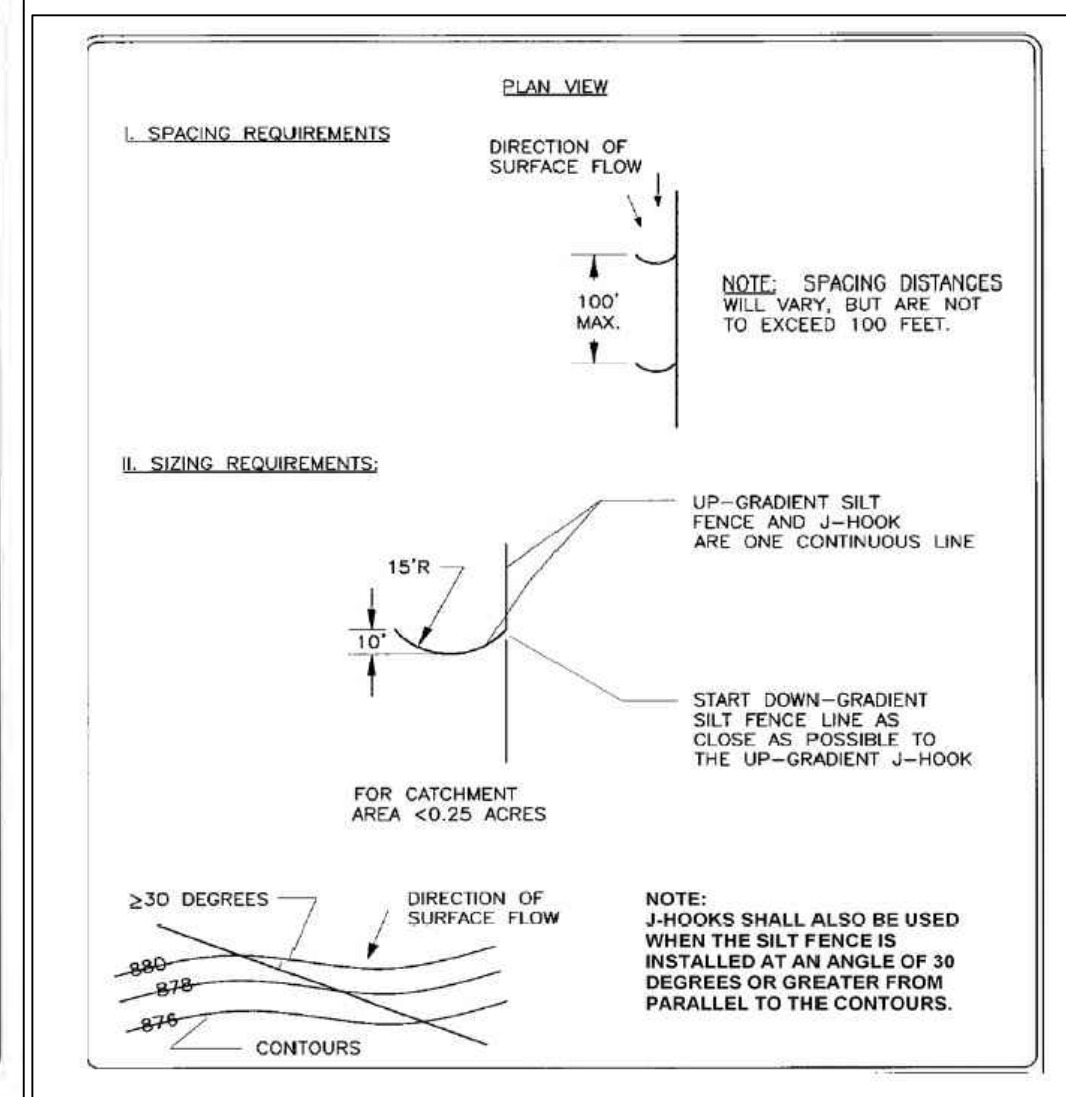
2 CONCRETE WASHOUT AREA

Scale: NTS



3 SILT FENCE PLACEMENT

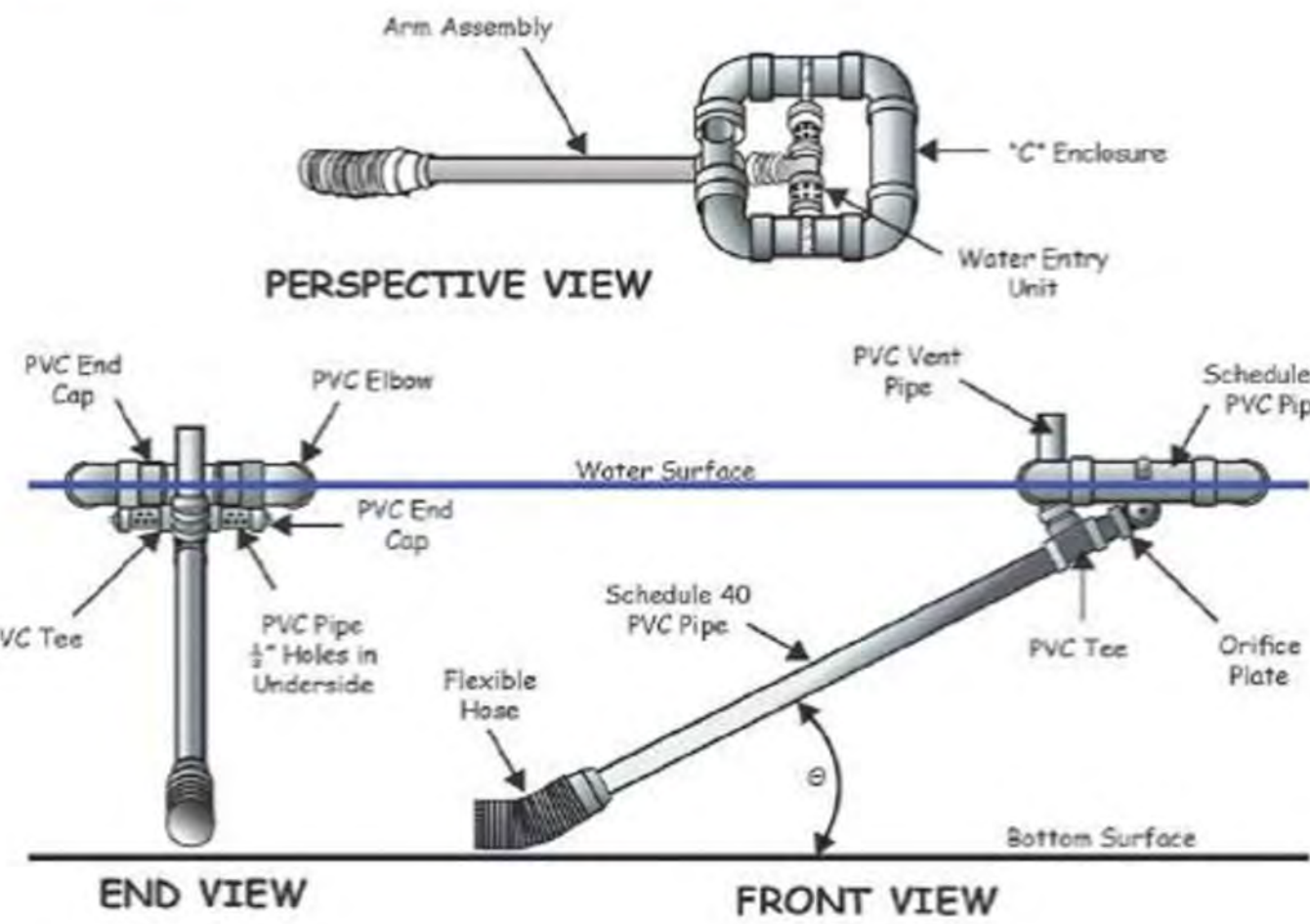
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4 J-HOOKS

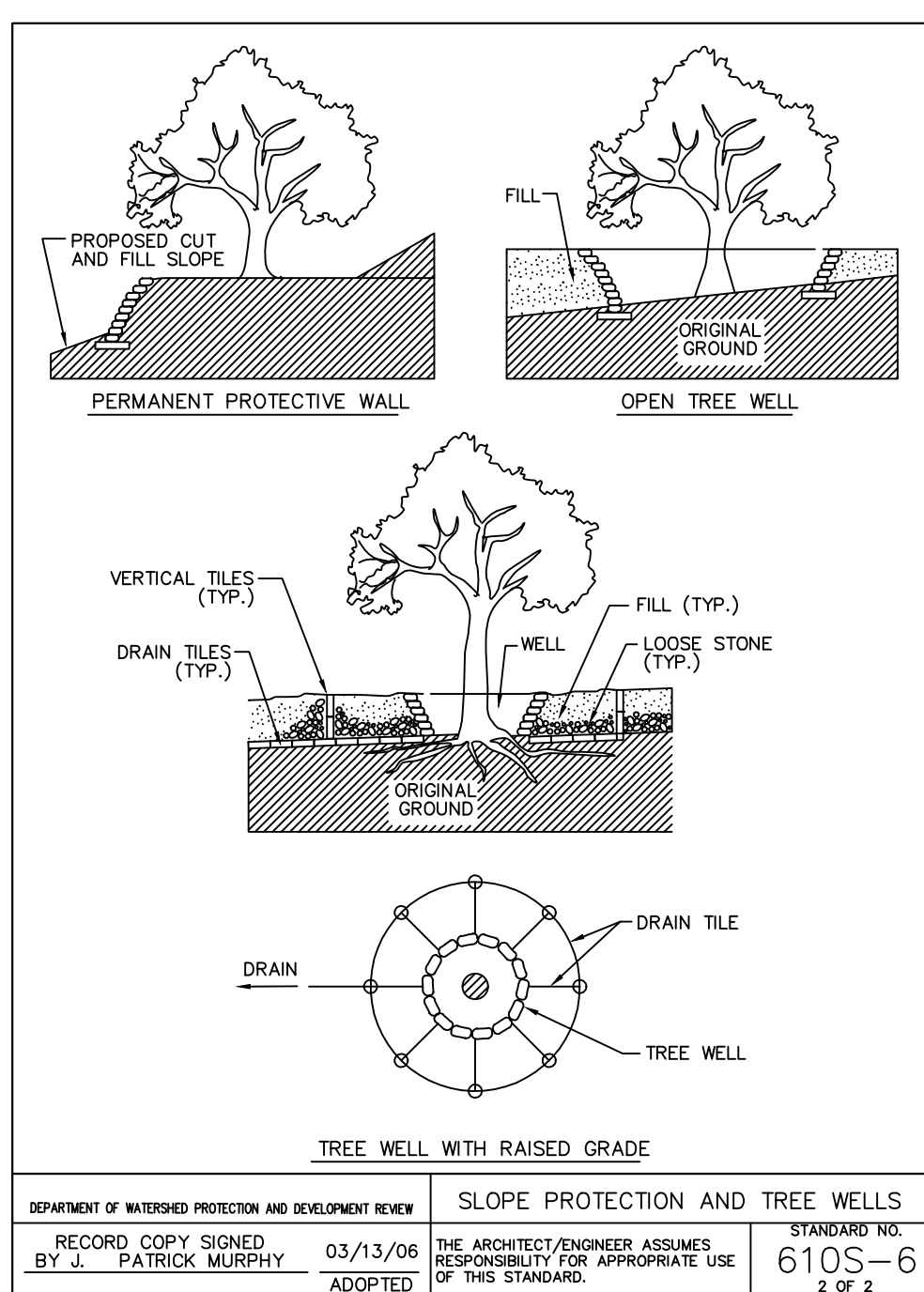
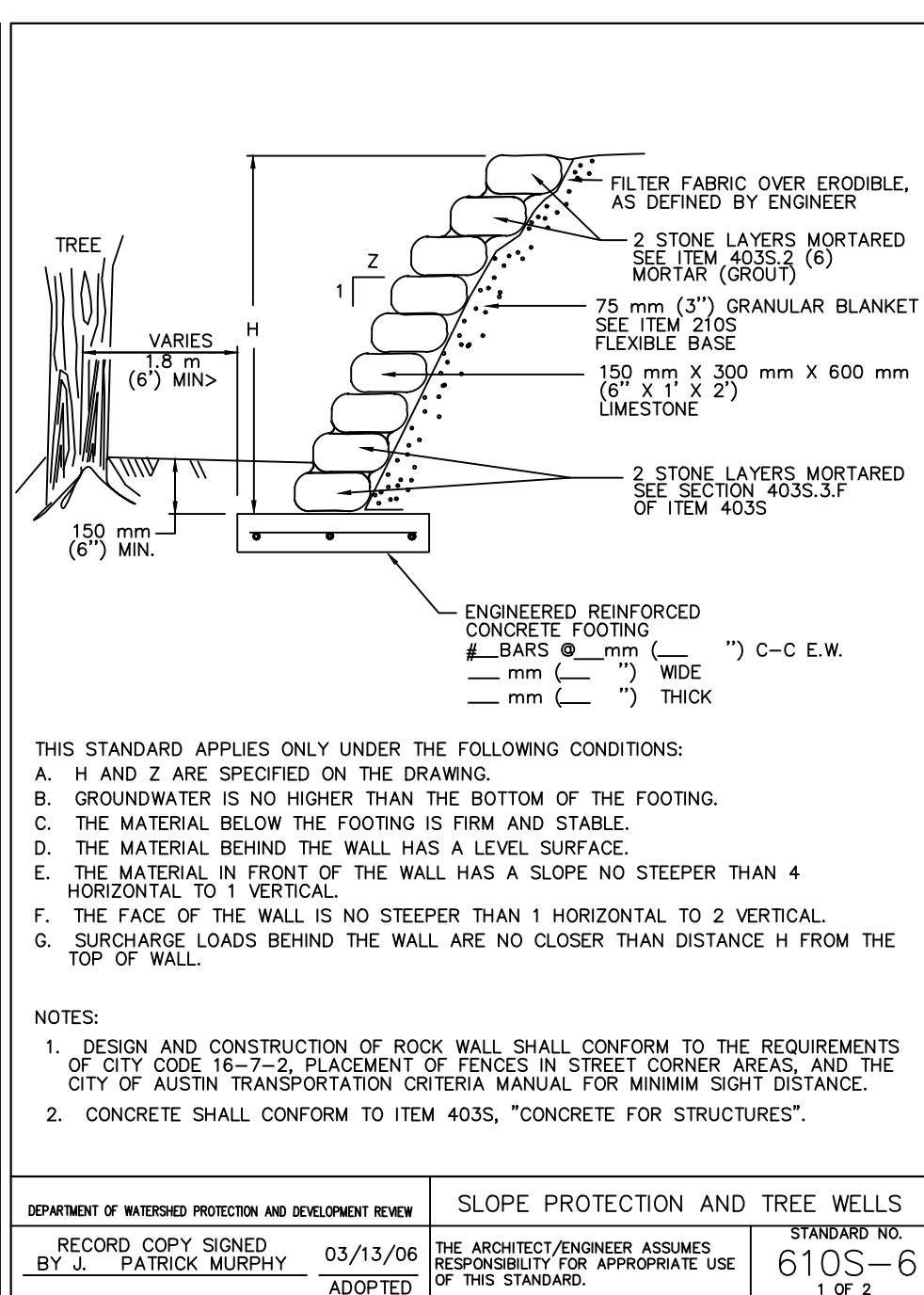
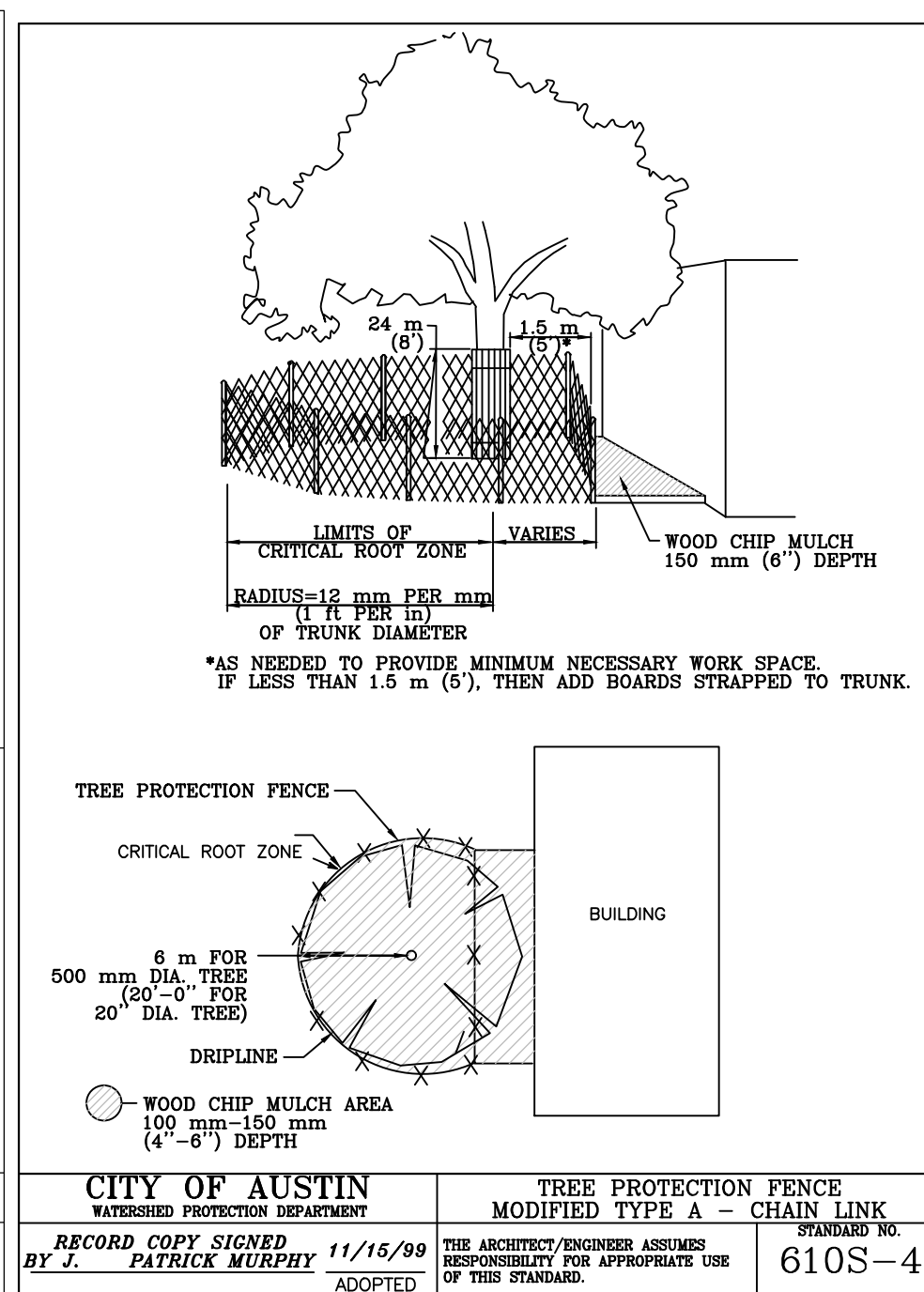
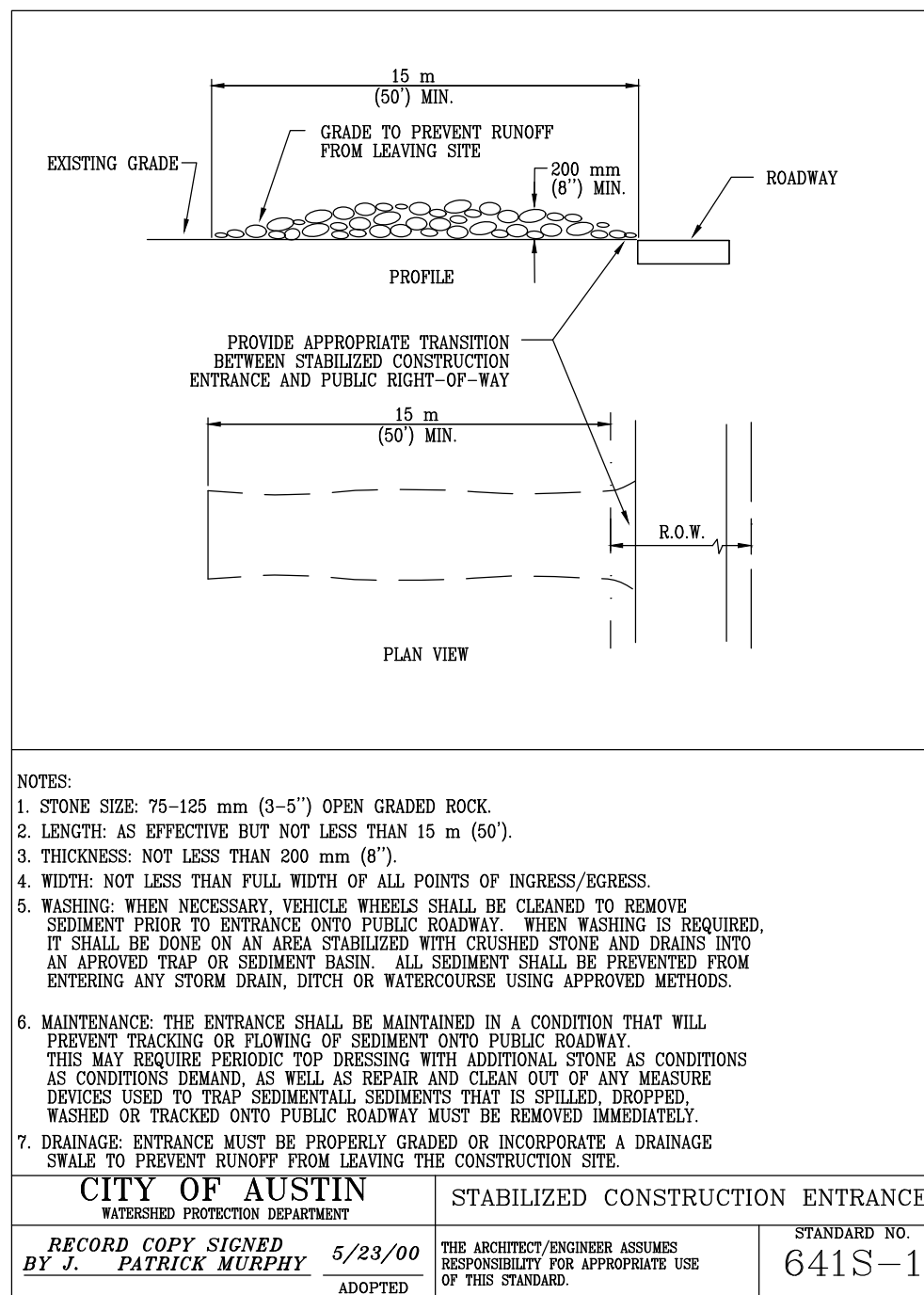
Scale: NTS

Figure 1.4.5.K.1



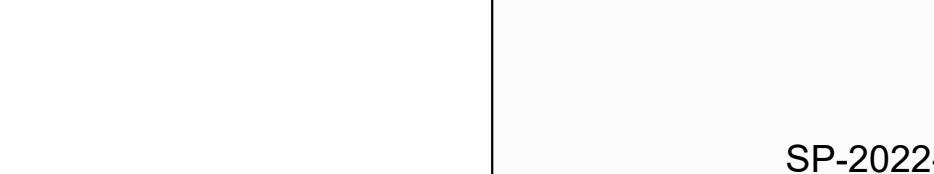
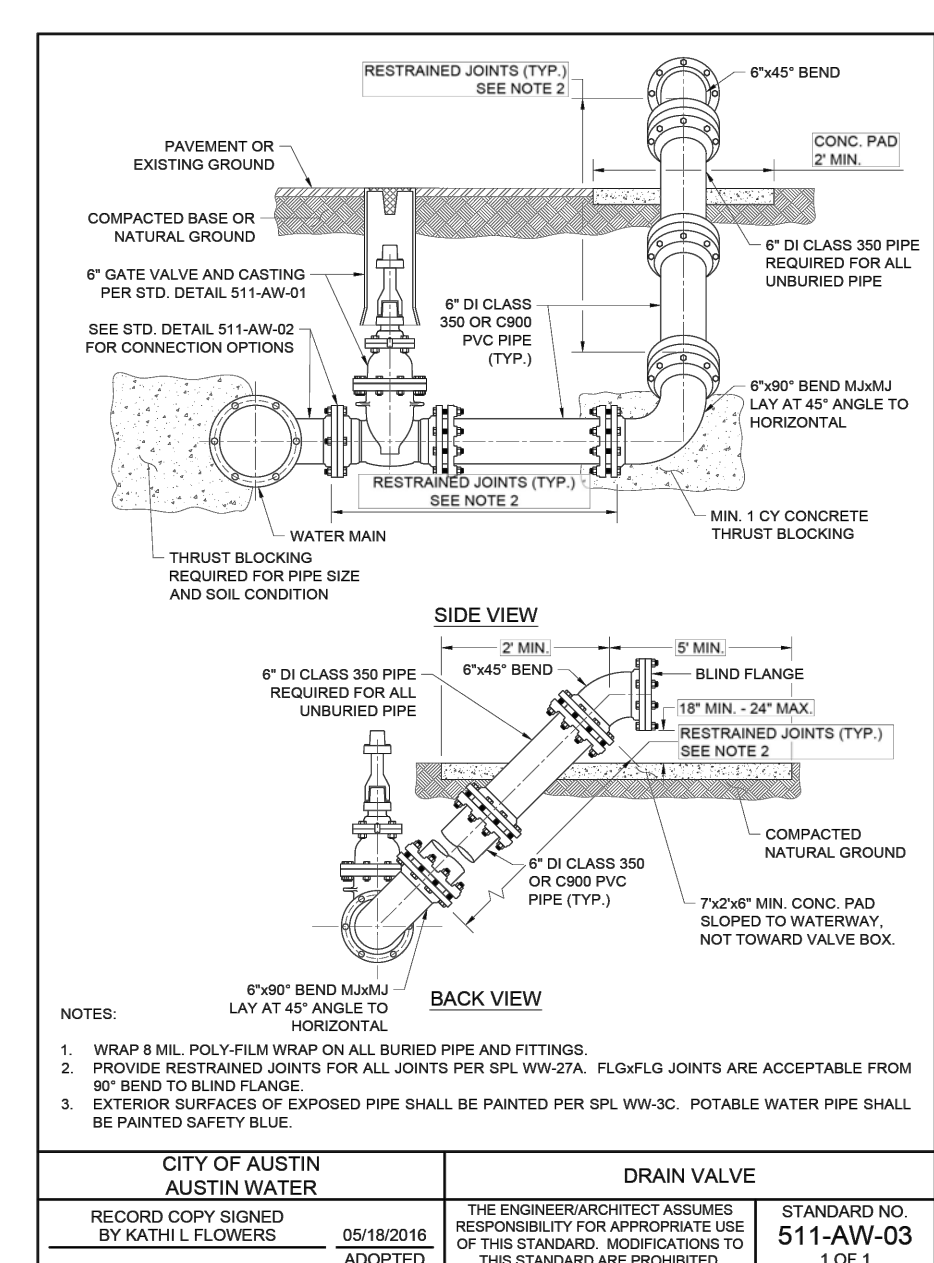
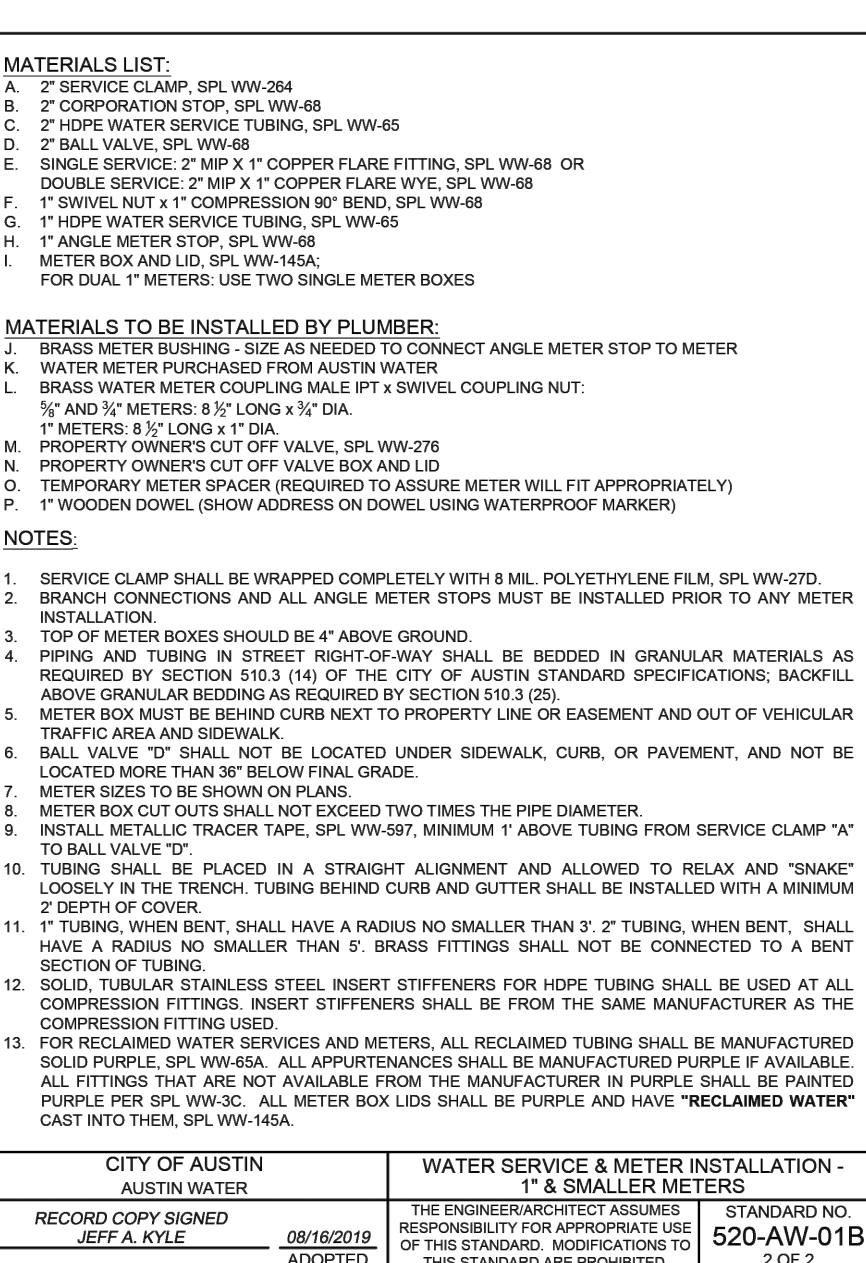
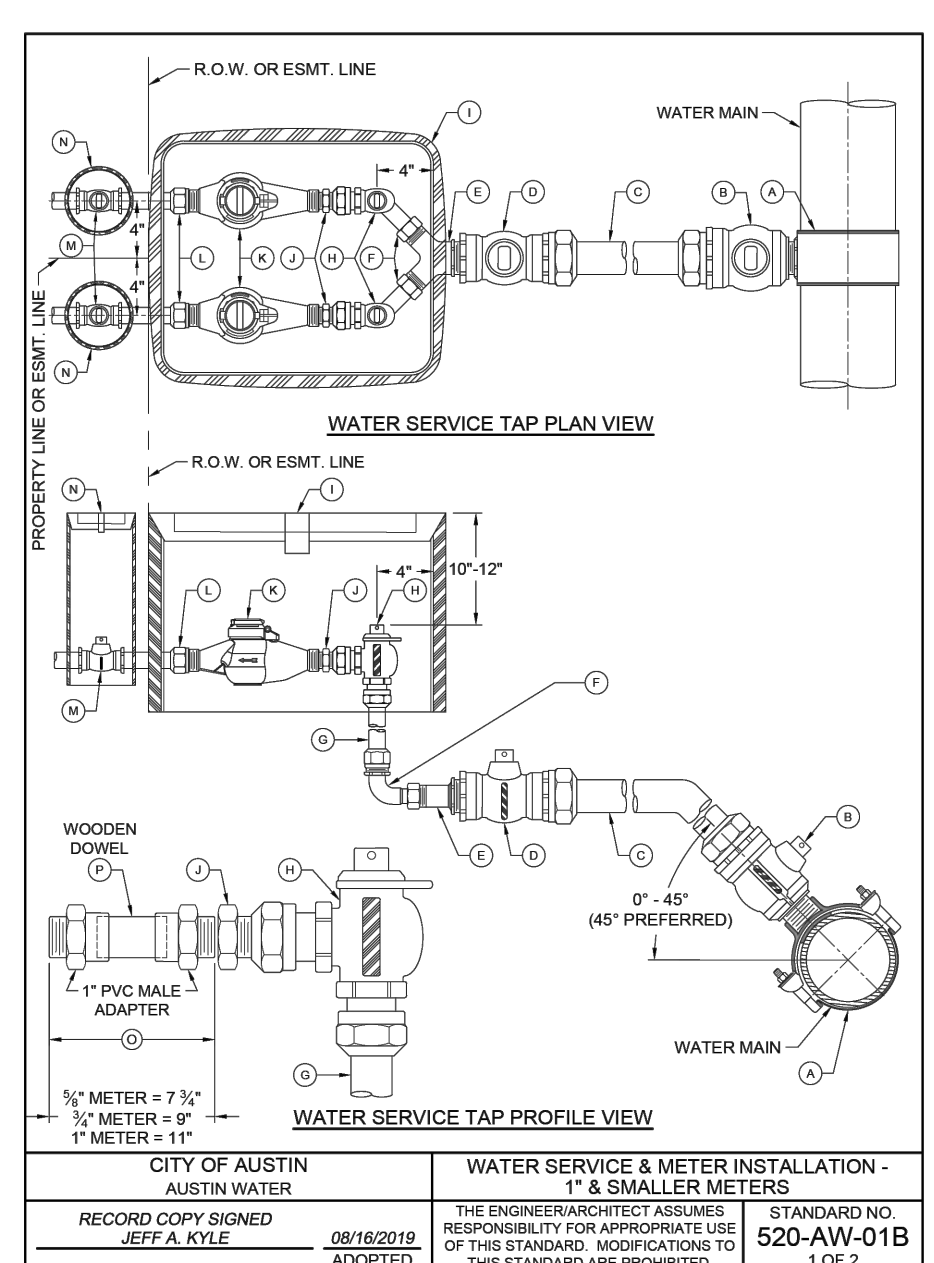
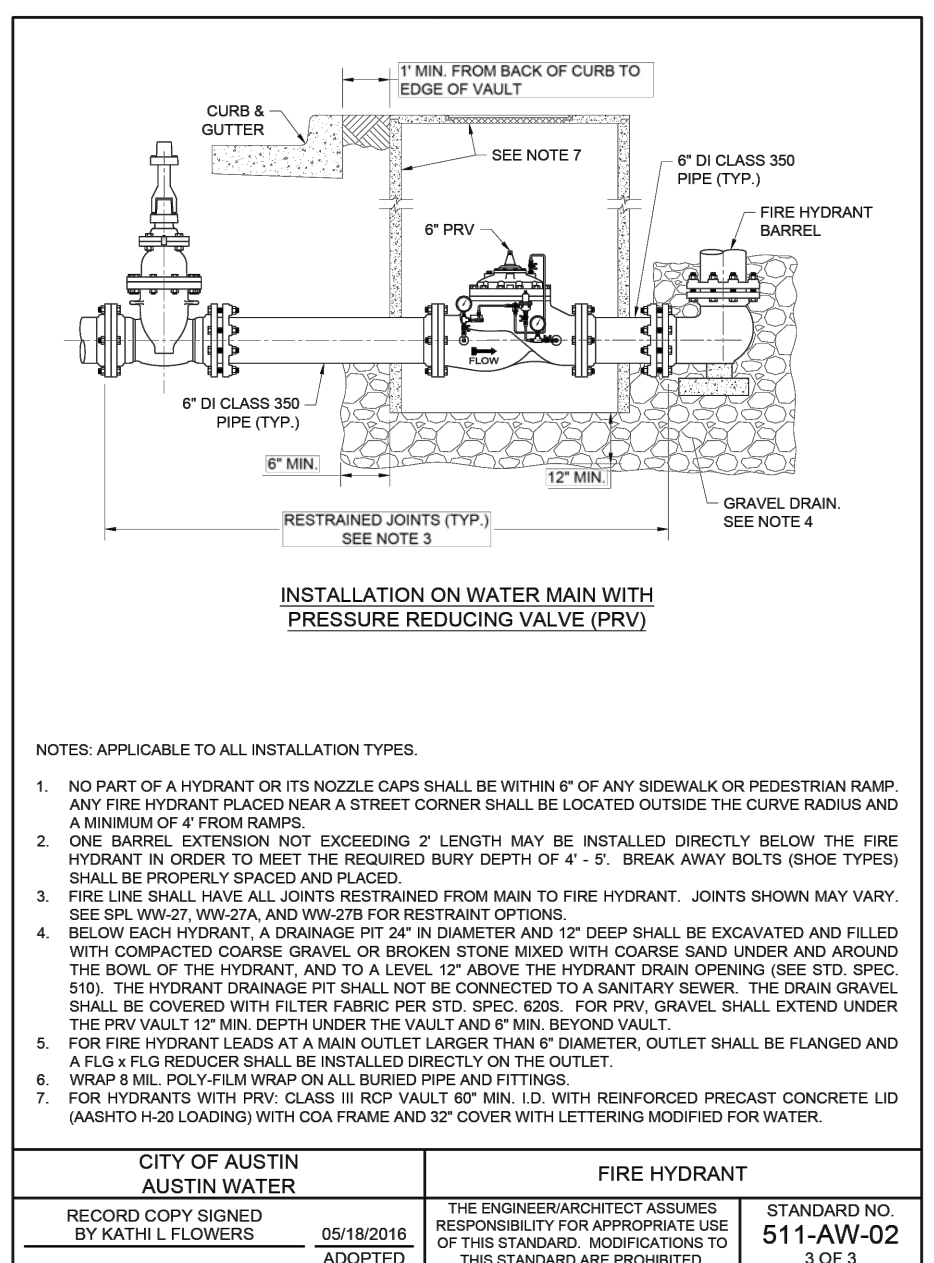
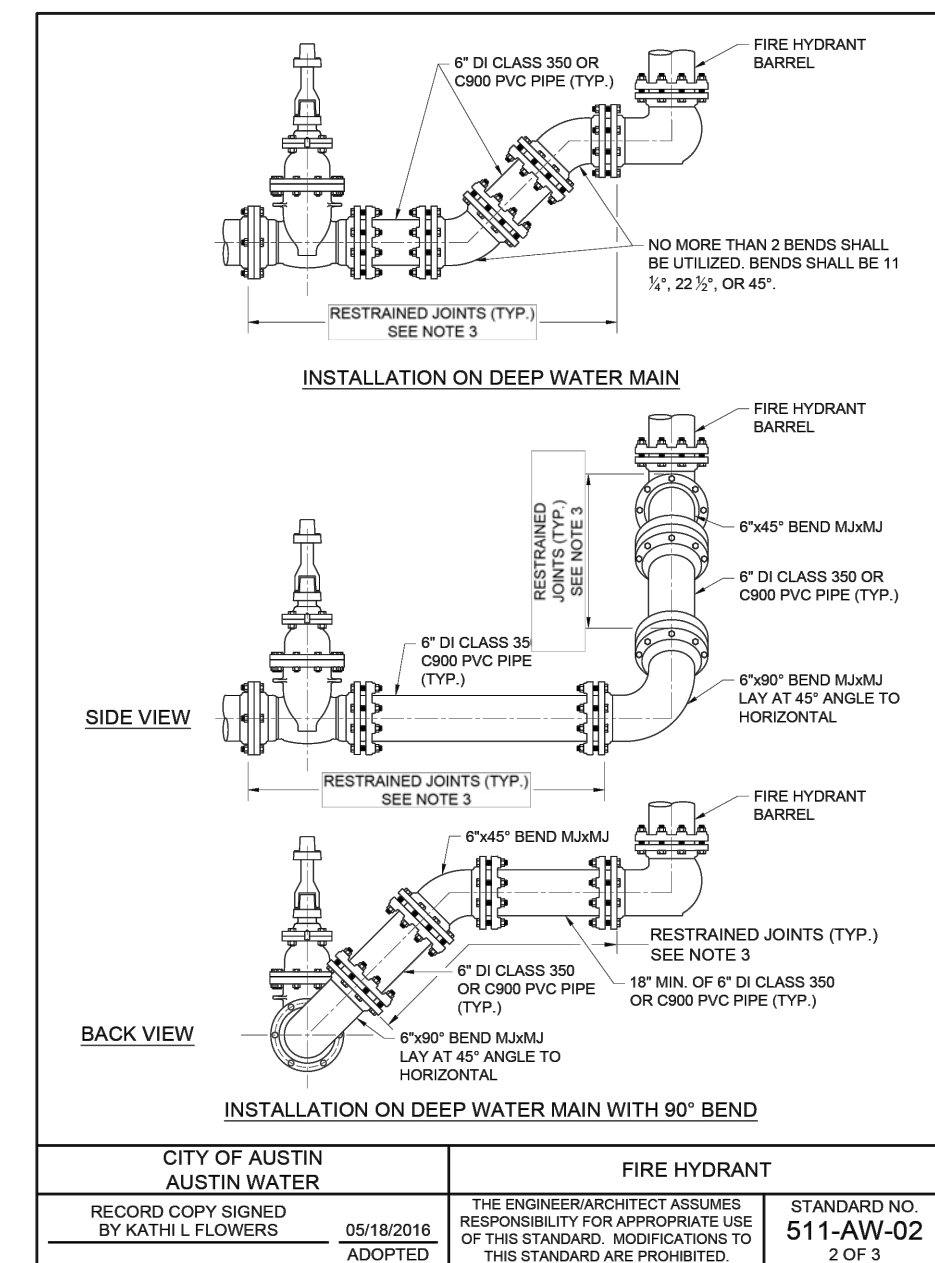
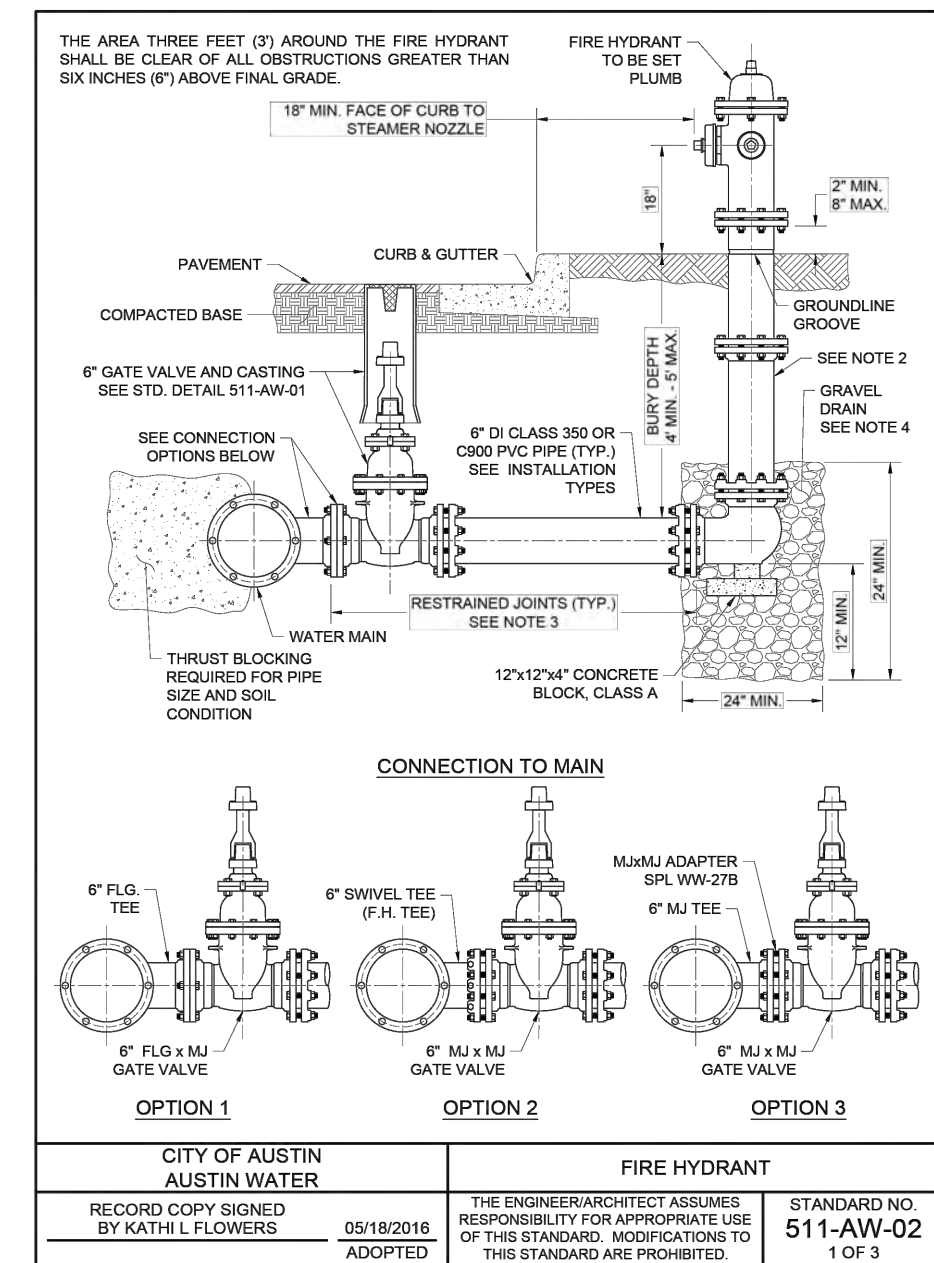
5 DEWATERING SKIMMER

Scale: NTS



CITY APPROVAL STAMP

SP-2022-0364C



MATERIALS LIST:

A. 2" SERVICE CLAMP
B. 2" CORPORATION STOP MALE THREAD INLET BY COMPRESSION OUTLET
C. 2" COPPER WATER SERVICE TUBING EXTENDED BEYOND PAVEMENT
D1. 2" BALL VALVE, SPL WW-275
D2. 2" BALL VALVE, SPL WW-275
E. 2" COPPER SERVICE TUBING
F. 2" BRASS COUPLING - COMPRESSION TO MALE IPT
G. 2" BRASS TEE
H. 2" BRASS CLOSE NIPPLE
I. 2" ANGLE METER STOP, SERVICE TUBING INLET x FLANGED OUTLET
J. 2" BRASS NIPPLE
K. 2" BRASS ELBOW
L. 2" LOCKABLE CURB STOP - FEMALE IPT INLET BY COMPRESSION OUTLET
M. 2" BRASS COUPLING - SERVICE TUBING TO MALE IPT
N. RECTANGULAR METER BOX AND COVER, SPL WW-145A
O. BRASS ADAPTER (2" x 1 1/2") FOR 1 1/2" METER ONLY
P. WATER METER, LENGTH 13", (PURCHASED FROM AUSTIN WATER)
Q. 2" COPPER SERVICE TUBING (PRIVATE PLUMBING PER CODE)
R. CUSTOMER CUT-OFF VALVE
S. CUSTOMER VALVE BOX AND LID

NOTES:

1. SERVICE CLAMP SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.
2. BRANCH CONNECTIONS AND ALL ANGLE METER STOPS MUST BE INSTALLED PRIOR TO ANY METER INSTALLATION.
3. TOP OF BOXES SHOULD BE 1" ABOVE GROUND.
4. PIPING AND TUBING IN STREET RIGHT-OF-WAY SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED BY SECTION 510.3 (14) OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS; BACKFILL ABOVE GRANULAR BEDDING AS REQUIRED BY SECTION 510.3 (25).
5. BOX MUST BE BEHIND CURB NEXT TO PROPERTY LINE OR EASEMENT AND OUT OF VEHICULAR TRAFFIC AREA AND SIDEWALK.
6. BALL VALVE "D1" SHALL NOT BE LOCATED UNDER SIDEWALK, CURB, OR PAVEMENT, AND NOT BE LOCATED MORE THAN 24" HORIZONTALLY FROM METER BOX OR 36" BELOW FINAL GRADE.
7. COPPER SERVICE SHALL BE COPPER TUBING SIZE ANNEALED SEAMLESS TYPE "K" MEETING ASTM B88 WITH NO SWEAT OR SOLDERED JOINTS.

RECLAIMED WATER:

FOR RECLAIMED WATER SERVICES AND METERS, ALL RECLAIMED TUBING SHALL BE MANUFACTURED PURPLE TUBING. ALL OTHER TUBING AND APPURTENANCES SHALL BE MANUFACTURED PURPLE IF AVAILABLE. ALL TUBING AND FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN PURPLE SHALL BE PAINTED PURPLE PER SPL WW-3C. ALL BURIED DI AND CI PIPE AND FITTINGS SHALL ALSO BE WRAPPED IN PURPLE POLYETHYLENE PER SPL WW-27D. ALL COVERS SHALL HAVE "RECLAIMED WATER" CAST INTO THEM.

CITY OF AUSTIN AUSTIN WATER	1 1/2" - 2" METER INSTALLATION SHOWING OPTIONAL BYPASS	CITY OF AUSTIN AUSTIN WATER	1 1/2" - 2" METER INSTALLATION SHOWING OPTIONAL BYPASS
RECORD COPY SIGNED BY KATHI L FLOWERS	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	RECORD COPY SIGNED BY KATHI L FLOWERS	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
05/18/2016 ADOPTED	STANDARD NO. 520-AW-04 1 OF 2	05/18/2016 ADOPTED	STANDARD NO. 520-AW-04 2 OF 2

NOTES:

1. PIPE DIAMETER MUST BE A MINIMUM OF 4" SCHEDULE 40, UP TO 8" MAXIMUM. FOR LARGER DIAMETER PIPING, REFER TO 506-AW-04, LARGE DIAMETER CLEANOUT.
2. SAMPLE PORT OPTIONS INCLUDE SANITARY TEE, STRAIGHT TEE OR 2-WAY CLEANOUT.
3. LABEL AS INDUSTRIAL WASTE (IW) SAMPLE PORT ON PLAN, SETS OR ANY OTHER LOCATION REQUIRED BY INDUSTRIAL WASTE. SEE APPROVED SITE UTILITY PLAN AND/OR PLUMBING PLAN.
4. IW SAMPLE PORT MUST BE DOWNSTREAM OF WHERE INDUSTRIAL WASTEWATER EFFLUENT LINES (GREASE TRAP, pH NEUTRALIZATION ETC.) AND SANITARY LINES COMBINE, OR WHERE SPECIFIED BY INDUSTRIAL WASTE.
5. IW SAMPLE PORT MUST HAVE CLEAR WASTEWATER FLOW SIGHTLINE FOR TOTAL PIPE DIAMETER.
6. ALL CONNECTIONS MUST BE GLUED OR THREADED.
7. TRAFFIC-RATED BOX.
8. USE OF THIS SPECIAL DETAIL SHALL ONLY BE AUTHORIZED BY AUSTIN WATER SPECIAL SERVICES DIVISION.

CITY OF AUSTIN AUSTIN WATER	INDUSTRIAL WASTE SAMPLE PORT
SPECIAL DETAIL	AW-SPECIAL-07
02/08/2022	1 OF 1

NOTES:

1. WELD SOCKET 2 1/2" x 2" DEEP TO 1" SCH. 40 CARBON STEEL ROUND STEM EXTENSION, FITTED ON OPERATING NUT, [SCH. 80 FOR LENGTHS OVER 10"]
2. VALVE CASTING SHALL BE 6" DI PIPE WITH BELL OR COLLAR CENTERED OVER VALVE BOOT.
3. NUT AT TOP OF VALVE EXTENSION ROD SHALL BE SQUARE 2" LONG WELDED TO TOP OF ROD.
4. VALVE STEM EXTENSIONS ARE REQUIRED ON ALL VALVES THAT EXCEED 3' DEEP FROM FINISHED GRADE. VALVE EXTENSIONS SHALL BE PLACED SUCH THAT THE EXTENSION NUT IS BETWEEN 12" AND 18" FROM FINISHED GRADE.

RECLAIMED WATER: ALL RECLAIMED PVC PIPE SHALL BE MANUFACTURED PURPLE PIPE. HDPE PIPE SHALL BE MANUFACTURED WITH PURPLE STRIPES. ALL OTHER PIPE AND APPURTENANCES SHALL BE MANUFACTURED PURPLE IF AVAILABLE. ALL PIPE AND FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN PURPLE SHALL BE PAINTED PURPLE PER SPL WW-3C. ALL BURIED DI AND CI PIPE AND FITTINGS SHALL ALSO BE WRAPPED IN PURPLE POLYETHYLENE PER SPL WW-27D. ALL COVERS SHALL HAVE "RECLAIMED WATER" CAST INTO THEM.

CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"
RECORD COPY SIGNED BY KATHI L FLOWERS	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.
05/18/2016 ADOPTED	STANDARD NO. 511-AW-01 1 OF 4

AUSTIN CIVIL
ENGINEERING, INC.

TYPE FIRM # F-001018
9501 B MENCHACA RD, SUITE 220
AUSTIN, TX 78748
PH: (512) 306-0018



RICH INDUSTRIAL PARK

130 RALPH ABLANEDO DR
AUSTIN, TEXAS 78748

REV.	DATE	DESCRIPTION	APPROVED BY

JOB: 21-036	DATE: 1/22/24
CAD: DA/MM	CHK'D BY: CW
ENGINEER: HS	CHK'D BY:
SCALE:	

DETAILS:
UTILITY
1 OF 2

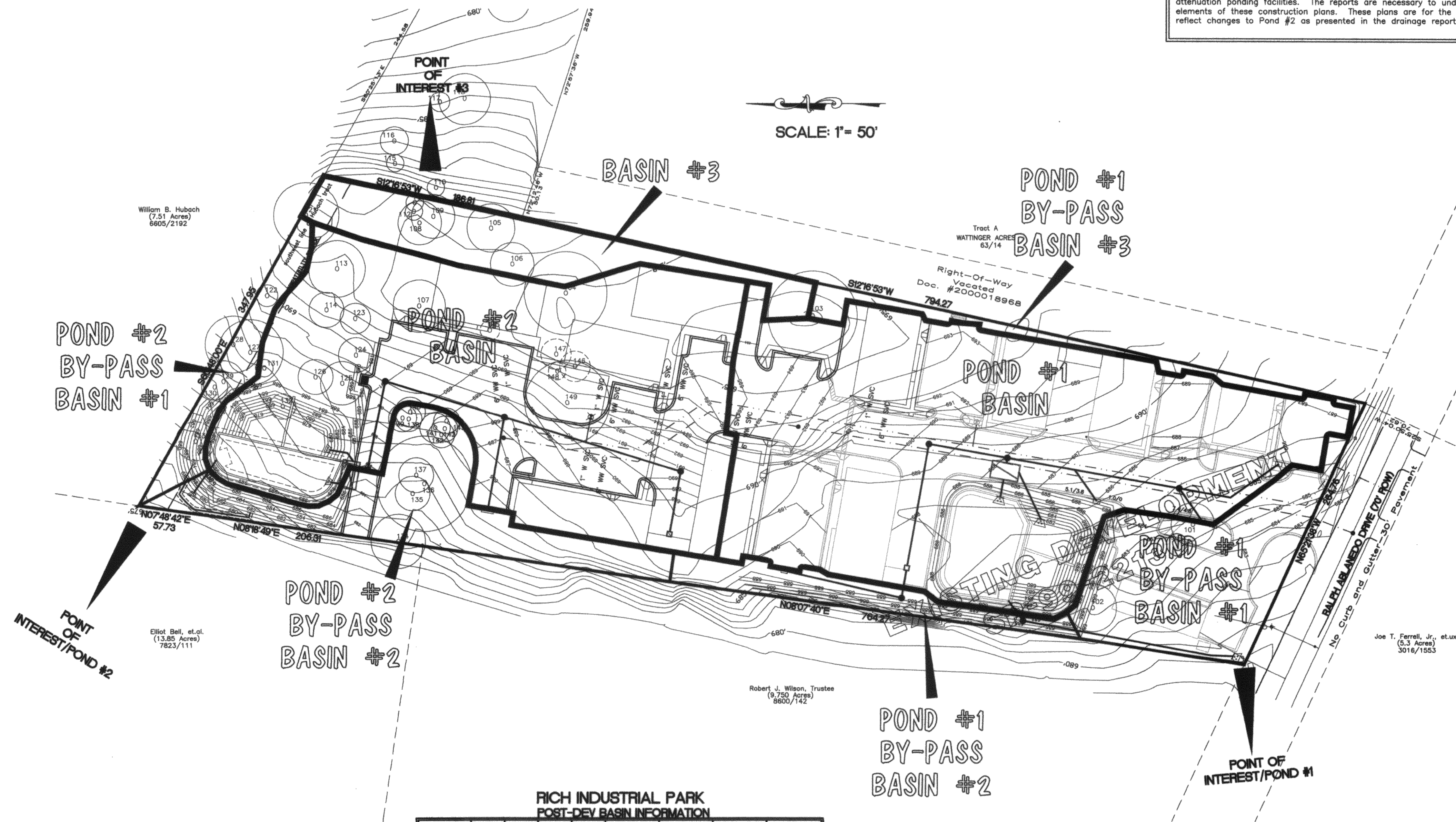
SITE CIVIL PLAN

20

of 31

CITY APPROVAL STAMP

SP-2022-0364C



NOTE:
This plan set is accompanied by "Rich Industrial Park Phase II, Revised Drainage Report" replacing the "Rich Industrial Park, Drainage Report Addendum" dated February 29, 2000, and Rich Industrial Park, Drainage Report, Addendum #2" dated April 11, 2000. These construction plans do not contain all the pertinent data to the storm sewer system and the water quality and flood peak attenuation ponding facilities. The reports are necessary to understand the design basis of these elements of these construction plans. These plans are for the construction of Pond #2 and reflect changes to Pond #2 as presented in the drainage report.

RICH INDUSTRIAL PARK POST-DEV BASIN INFORMATION							
	Area (Acres)	% IC %	CN	Tc (Hr)	2-Yr Discharge (cfs)	10-Yr Discharge (cfs)	100-Yr Discharge (cfs)
Pond #1 Basin	2.480	95.00	97	0.100	11.88	16.66	23.69
Pond #1 By-Pass Basin 1	0.594	80.00	92	0.100	2.37	3.65	5.43
Pond #1 By-Pass Basin 2	0.197	0.00	70	0.100	0.20	0.56	0.77
Pond #1 By-Pass Basin 3	0.116	0.00	70	0.100	0.12	0.33	0.45
Pond #2 Basin	2.244	90.00	95	0.100	10.07	14.63	21.14
Pond #2 By-Pass Basin 1	0.171	0.00	70	0.100	0.18	0.48	0.67
Pond #2 By-Pass Basin 2	0.529	10.00	73	0.100	0.70	1.72	2.32
Basin 3	0.418	0.00	70	0.100	0.43	1.18	1.63

AREA SUMMARY	
Basin	Size (ac)
Pond #1	2.480
By-Pass #1	0.594
By-Pass #2	0.197
By-Pass #3	0.116
TOTAL BASIN	3.387
Pond #2	2.244
By-Pass #1	0.171
By-Pass #2	0.529
TOTAL BASIN	2.944
Basin #3	0.418
TOTAL SITE	6.75

AREA FOR CITY USE ONLY

SITE PLAN RELEASE Sheet 9 of 21

FILE NUMBER: 20-04-01806 EXPIRATION DATE: 10-5-07

CASE MANAGER: J. H. H. APPLICATION DATE: 5-3-04

APPROVED ADMINISTRATIVELY ON: 10-25-04

APPROVED BY PLANNING COMMISSION ON: 10-25-04

APPROVED BY CITY COUNCIL ON: Chapter 255.6 of the Austin City Code.

Under Section 16

Signing For Director, Watershed Protection and Development Review Department

DATE OF RELEASE: 10-05-04 ZONING: I-I-CO

Rev. 1 Correction 1

Rev. 2 Correction 2

Rev. 3 Correction 3

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.



SP-04-0180C
SHEET
9
OF 21

DRAINAGE BASIN PLAN
(FOR REFERENCE ONLY RICH INDUSTRIAL PARK
(PHASE II) SP-04-0180C

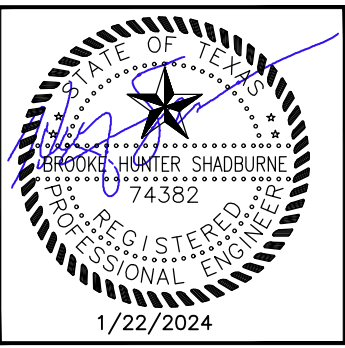
CITY APPROVAL STAMP

This drawing is copyrighted by:
Prossner and Associates, Inc.
Consulting Engineers

13377 Pond Springs Road, Suite 104
Austin, Texas 78759
Phone (512) 918-3453
Fax (512) 918-2431

RICH INDUSTRIAL PARK (PHASE II)
130 RALPH ABLANEDO DRIVE, AUSTIN, TEXAS 78748
PROPOSED DRAINAGE BASIN PLAN

AUSTIN CIVIL
ENGINEERING, INC.
TEPE FIRM # F-001018
9501 B MENCHACA RD, SUITE 220
AUSTIN, TX 78748
PH: (512) 306-0018



RICH INDUSTRIAL PARK
130 RALPH ABLANEDO DR
AUSTIN, TEXAS 78748

REVISIONS	
REV. DATE	DESCRIPTION

JOB: 21-036 DATE: 1/22/24
CAD: DAY/AM CHKD BY: CW
ENGINEER: HS CHKD BY:
SCALE:
SHEET: 21 OF 31

DRAINAGE
BASIN
PLAN

SITE CIVIL PLAN
21
of 31

SP-2022-0364C

POND #1 INLET BASIN
INFORMATION TABLE

	Inlet #1 Basin	Inlet #2 Basin	Inlet #3 Basin	Inlet #4 Basin	Inlet #5 Basin
Size (ac)	0.121	0.566	0.465	0.564	0.393
Imp Cvr (%)	95.00	95.00	95.00	95.00	95.00
Per c(100)	0.41	0.41	0.41	0.41	0.41
Imp c(100)	0.95	0.95	0.95	0.95	0.95
Per c(25)	0.34	0.34	0.34	0.34	0.34
Imp c(25)	0.86	0.86	0.86	0.86	0.86
Per c(10)	0.30	0.30	0.30	0.30	0.30
Imp c(10)	0.81	0.81	0.81	0.81	0.81
Per c(5)	0.28	0.28	0.28	0.28	0.28
Imp c(5)	0.77	0.77	0.77	0.77	0.77
Per c(2)	0.25	0.25	0.25	0.25	0.25
Imp c(2)	0.73	0.73	0.73	0.73	0.73
c(100)	0.92	0.92	0.92	0.92	0.92
c(25)	0.83	0.83	0.83	0.83	0.83
c(10)	0.78	0.78	0.78	0.78	0.78
c(5)	0.75	0.75	0.75	0.75	0.75
c(2)	0.71	0.71	0.71	0.71	0.71
Tc (min)	5.0	5.0	5.0	5.0	5.0
I (100) (in/hr)	11.88	11.88	11.88	11.88	11.88
I (25) (in/hr)	9.84	9.84	9.84	9.84	9.84
I (10) (in/hr)	8.64	8.64	8.64	8.64	8.64
I (5) (in/hr)	7.68	7.68	7.68	7.68	7.68
I (2) (in/hr)	6.48	6.48	6.48	6.48	6.48
Q(100) (cfs)	1.33	6.43	5.10	6.18	4.31
Q(25) (cfs)	0.99	4.81	3.82	4.63	3.22
Q(10) (cfs)	0.82	3.97	3.15	3.82	2.66
Q(5) (cfs)	0.69	3.36	2.66	3.23	2.25
Q(2) (cfs)	0.55	2.68	2.13	2.58	1.80

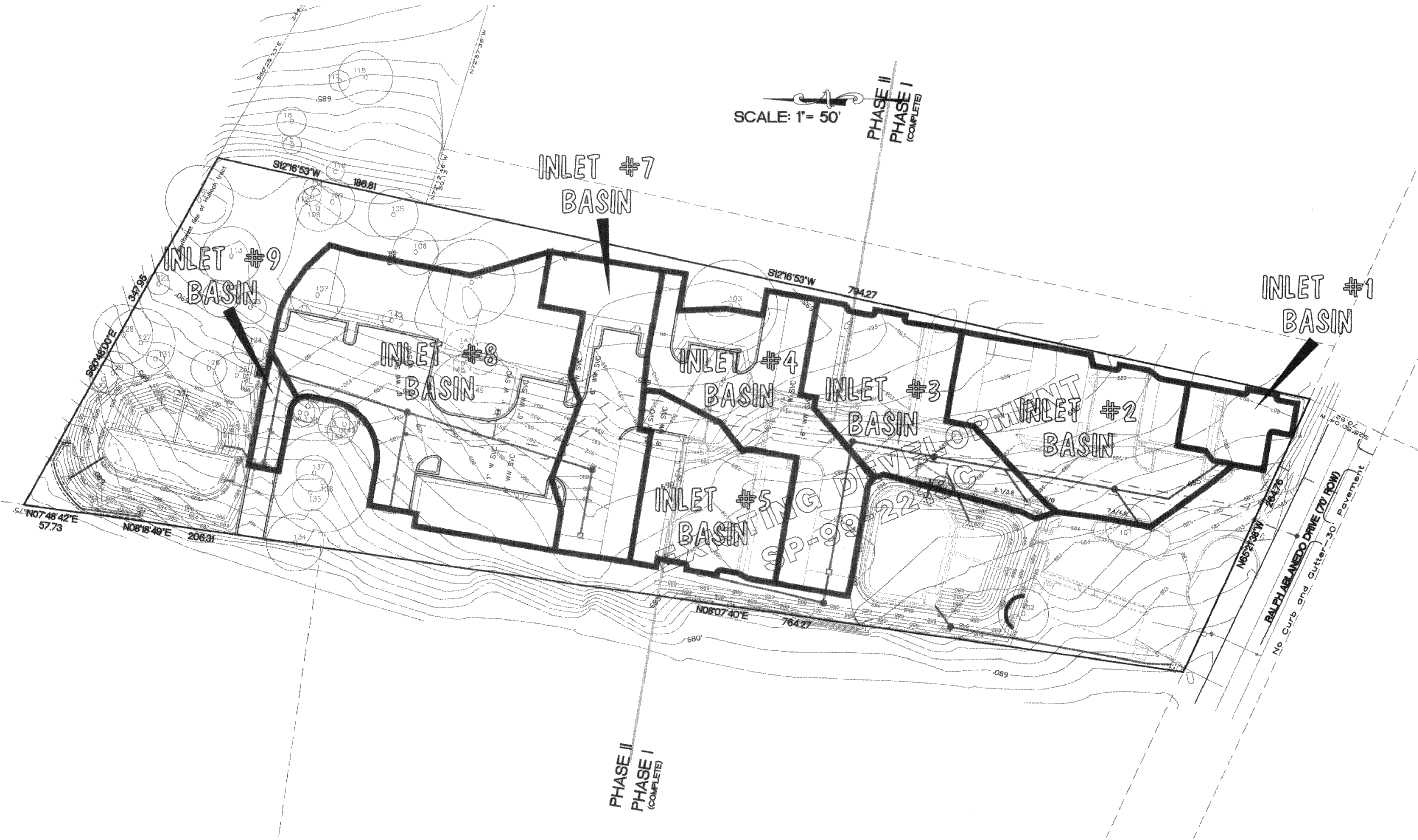
POND #2 INLET BASIN
INFORMATION TABLE

	Inlet #7 Basin	Inlet #8 Basin	Inlet #9 Basin
Size (ac)	0.456	1.171	0.054
Imp Cvr (%)	95.00	90.00	100.00
Per c(100)	0.41	0.41	0.41
Imp c(100)	0.95	0.95	0.95
Per c(25)	0.34	0.34	0.34
Imp c(25)	0.86	0.86	0.86
Per c(10)	0.30	0.30	0.30
Imp c(10)	0.81	0.81	0.81
Per c(5)	0.28	0.28	0.28
Imp c(5)	0.77	0.77	0.77
Per c(2)	0.25	0.25	0.25
Imp c(2)	0.73	0.73	0.73
c(100)	0.92	0.90	0.95
c(25)	0.83	0.81	0.86
c(10)	0.78	0.76	0.81
c(5)	0.75	0.72	0.77
c(2)	0.71	0.68	0.73
Tc (min)	5.0	5.0	5.0
I (100) (in/hr)	11.88	11.88	11.88
I (25) (in/hr)	9.84	9.84	9.84
I (10) (in/hr)	8.64	8.64	8.64
I (5) (in/hr)	7.68	7.68	7.68
I (2) (in/hr)	6.48	6.48	6.48
Q(100) (cfs)	5.00	12.47	0.61
Q(25) (cfs)	3.74	9.31	0.46
Q(10) (cfs)	3.09	7.68	0.38
Q(5) (cfs)	2.61	6.48	0.32
Q(2) (cfs)	2.09	5.17	0.26

NOTE:

This plan set is accompanied by "Rich Industrial Park, Drainage Study" dated November 12, 1999, "Rich Industrial Park, Drainage Report Addendum" dated February 29, 2000, and Rich Industrial Park, Drainage Report, Addendum #2 dated April 11, 2000. These construction plans do not contain all the pertinent data to the storm sewer system and the water quality and flood peak attenuation ponding facilities. The reports are necessary to understand the design basis of these elements of these construction plans.

SCALE: 1" = 50'



AREA FOR CITY USE ONLY

SITE PLAN RELEASE Sheet 12 of 21

FILE NUMBER: SP-04-0180C EXPIRATION DATE: 10-5-07

CASE MANAGER: H. H. H. APPLICATION DATE: 8-8-04

APPROVED ADMINISTRATIVELY ON: 10-12-04

APPROVED BY PLANNING COMMISSION ON: 10-12-04

APPROVED BY CITY COUNCIL ON: 10-12-04

Under Section 118 of the Austin City Code.

Signing For Director, Watershed Protection and Development Review Department

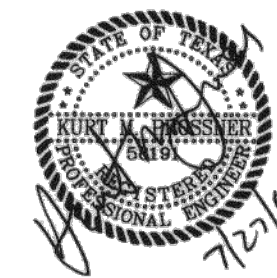
DATE OF RELEASE: 10-05-04 ZONING: LI-CO

Rev. 1 Correction 1

Rev. 2 Correction 2

Rev. 3 Correction 3

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.



SP-04-0180C
SHEET
12
OF 21

RICH INDUSTRIAL PARK (PHASE II)
130 RALPH ALBLANADO DRIVE, AUSTIN, TEXAS 78748
INLET BASIN PLAN

This drawing is copyrighted by:
Prossner and Associates, Inc.
Consulting Engineers
13377 Pond Springs Road, Suite 104
Austin, Texas 78629
Phone: (512) 918-3343
Fax: (512) 918-2431

CITY APPROVAL STAMP

INLET BASIN PLAN
(FOR REFERENCE ONLY RICH INDUSTRIAL PARK
(PHASE II) SP-04-0180C

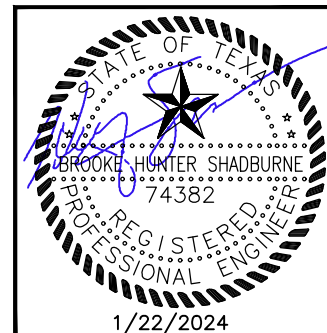
SP-2022-0364C

REV. DATE	DESCRIPTION	APPROVED BY

JOB: 21-036 DATE: 1/22/24
CAD: DA/MM CHK'D BY: CW
ENGINEER: HS CHK'D BY: CW
SCALE:

INLET
BASIN
PLAN

SITE CIVIL PLAN
22
of 31



RICH INDUSTRIAL PARK
130 RALPH ALBLANADO DR
AUSTIN, TEXAS 78748

**AUSTIN CIVIL
ENGINEERING, INC.**
TEPE FIRM # F-001018
9501 B MENCHACA RD, SUITE 220
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