TALLYHO UNIT-1 MEDINA COUNTY, TEXAS **CIVIL CONSTRUCTION PLANS**

Sheet List Table

Sheet Number	Sheet Title
PLAN SET	
C0.00	COVER SHEET
C1.00	ULTIMATE DEVELOPMENT CONDITIONS DRAINAGE AREA MAP
C1.01	DRAIN "I" PLAN & PROFILE STA. 1+05.00 TO END
C1.02	DRAIN "J" PLAN & PROFILE STA. 1+05.00 TO END
C1.03	DRAIN "K" PLAN & PROFILE STA. 1+05.00 TO END
C1.04	DRAIN "L-A" PLAN & PROFILE STA. 1+07.00 TO END
C1.05	DRAINAGE DETAILS
C1.06	DRAINAGE DETAILS
C1.07	DRAINAGE DETAILS
C2.00	BAROSSA PEAK PLAN & PROFILE STA. 32+33.77 TO 42+00.00
C2.01	BAROSSA PEAK PLAN & PROFILE STA. 42+00.00 TO END
C2.02	ASTORIA CLIFF PLAN & PROFILE STA. 1+20.00 TO END
C2.03	HILLBURY CRAG PLAN & PROFILE STA. 1+20.00 TO END
C2.04	COLOSSAL CLIFF PLAN & PROFILE STA. 13+20.64 TO 20+00.00
C2.05	COLOSSAL CLIFF PLAN & PROFILE STA. 20+00.00 TO END
C2.06	TAMARON VALLEY PLAN & PROFILE STA. 2+98.89 TO END
C2.07	STREET DETAILS
C2.08	STREET DETAILS
C2.09	STREET DETAILS
C3.00	OVERALL SIGNAGE PLAN
C3.01	OVERALL SIGNAGE PLAN
C3.02	SIGNAGE DETAILS
C3.03	SIGNAGE DETAILS

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Sheet List Table		
Sheet Number	Sheet Title	
C4.00	OVERALL SANITARY SEWER PLAN	
C4.01	OVERALL SANITARY SEWER PLAN	
C4.02	SANITARY SEWER LINE 'A' PLAN & PROFILE STA. 73+22.04 TO 82+50.00	
C4.03	SANITARY SEWER LINE 'A' & LINE 'G' PLAN & PROFILE LINE 'A' STA. 82+50.00 TO END LINE 'G' STA. 8+38.22 TO END	
C4.04	SANITARY SEWER LINE 'H' PLAN & PROFILE STA. 1+00.00 TO END	
C4.05	SANITARY SEWER LINE 'I' PLAN & PROFILE STA. 1+00.00 TO END	
C4.06	OVERALL SANITARY SEWER DETAILS	
C4.07	OVERALL SANITARY SEWER NOTES	
C5.00	OVERALL WATER DISTRIBUTION PLAN	
C5.01	OVERALL WATER DISTRIBUTION PLAN	
C5.02	OVERALL WATER DISTRIBUTION DETAILS	
C5.03	OVERALL WATER DISTRIBUTION NOTES	
C6.00	OVERALL UTILITY PLAN	
C6.01	OVERALL UTILITY PLAN	
C7.00	OVERALL GRADING PLAN	
C7.01	OVERALL GRADING PLAN	
C8.00	STORM WATER POLLUTION PREVENTION PLAN	
C8.01	STORM WATER POLLUTION PREVENTION PLAN	
C8.02	STORM WATER POLLUTION PREVENTION NOTES	

PREPARED FOR:

JEN TEXAS 26 LLC 8023 VANTAGE DRIVE, STE 220 SAN ANTONIO, TX 78230

FEBRUARY 2024





SEWER (MEDIO CREEK)

DEVELOPER'S NAME: JEN ADDRESS: 8023 VANTA CITY: SAN ANTONIO PHONE# (210)849-1447 SAWS BLOCK MAP# 06059 TOTAL LINEAR FOOTAGE O NUMBER OF LOTS 94

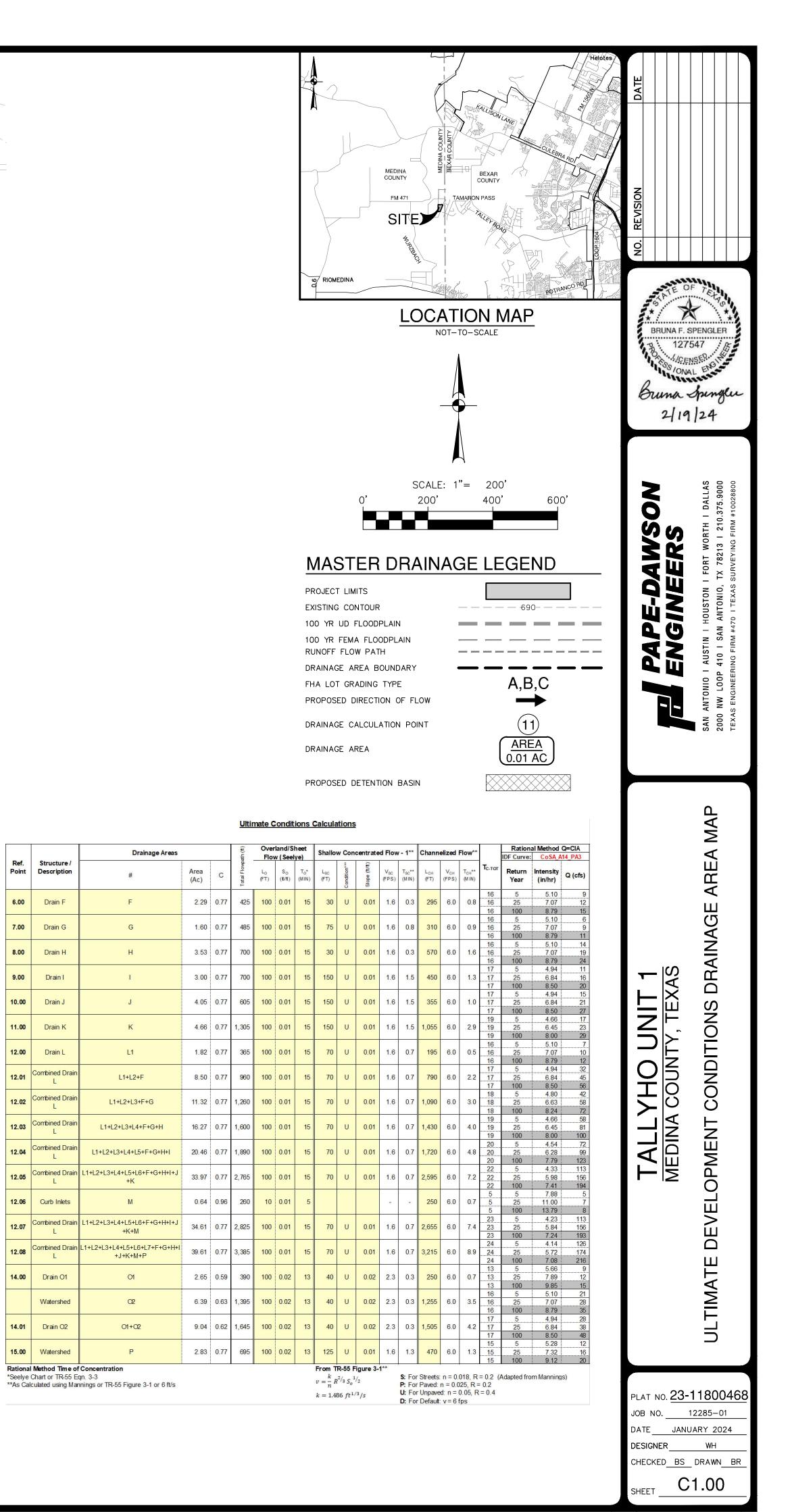
TEXAS 26 LLC			
GE DRIVE, STE. 220	כ		
STATE:TE	XAS	_ ZIP:	78230
FAX	#		
24_TOTAL_EDU'S	<u>94</u> TOT	AL ACRE	AGE <u>22.26</u>
1,815 LF-8" PV F PIPE: 1,240 LF-12" F	VC F	PLAT NO.	23-11800468
SAWS JOB	NOXX	-xxxx	

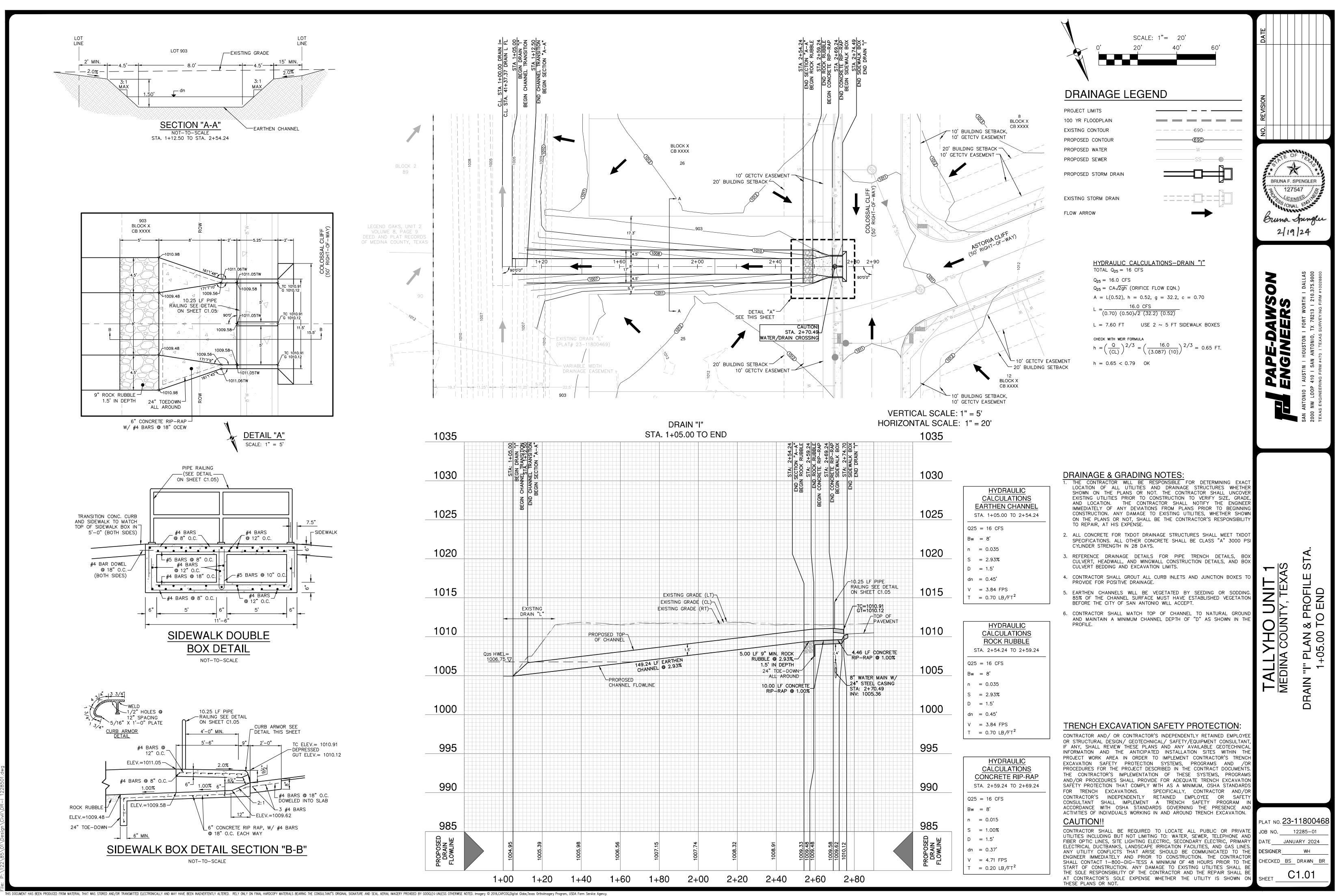
WATER (SAWS PRESSURE ZONE 1170)

ľ	DEVELOPER'S NAME: JEN TEXAS 26 LLC
Н	ADDRESS: 8023 VANTAGE DRIVE, STE. 220
Н	CITY: SAN ANTONIO STATE: TEXAS ZIP: 78230
	PHONE# <u>(210)849–1447</u> FAX# <u>N/A</u>
Н	SAWS BLOCK MAP # 060-600 TOTAL EDU'S 100 TOTAL ACREAGE 22.26 2,436LF - 8" PVC
Н	TOTAL LINEAR FOOTAGE OF PIPE: $49LF - 8$ PVC PLAT NO. $23-11800468$
Н	NUMBER OF LOTS 94 SAWS JOB NO. 22-XXXX
L	

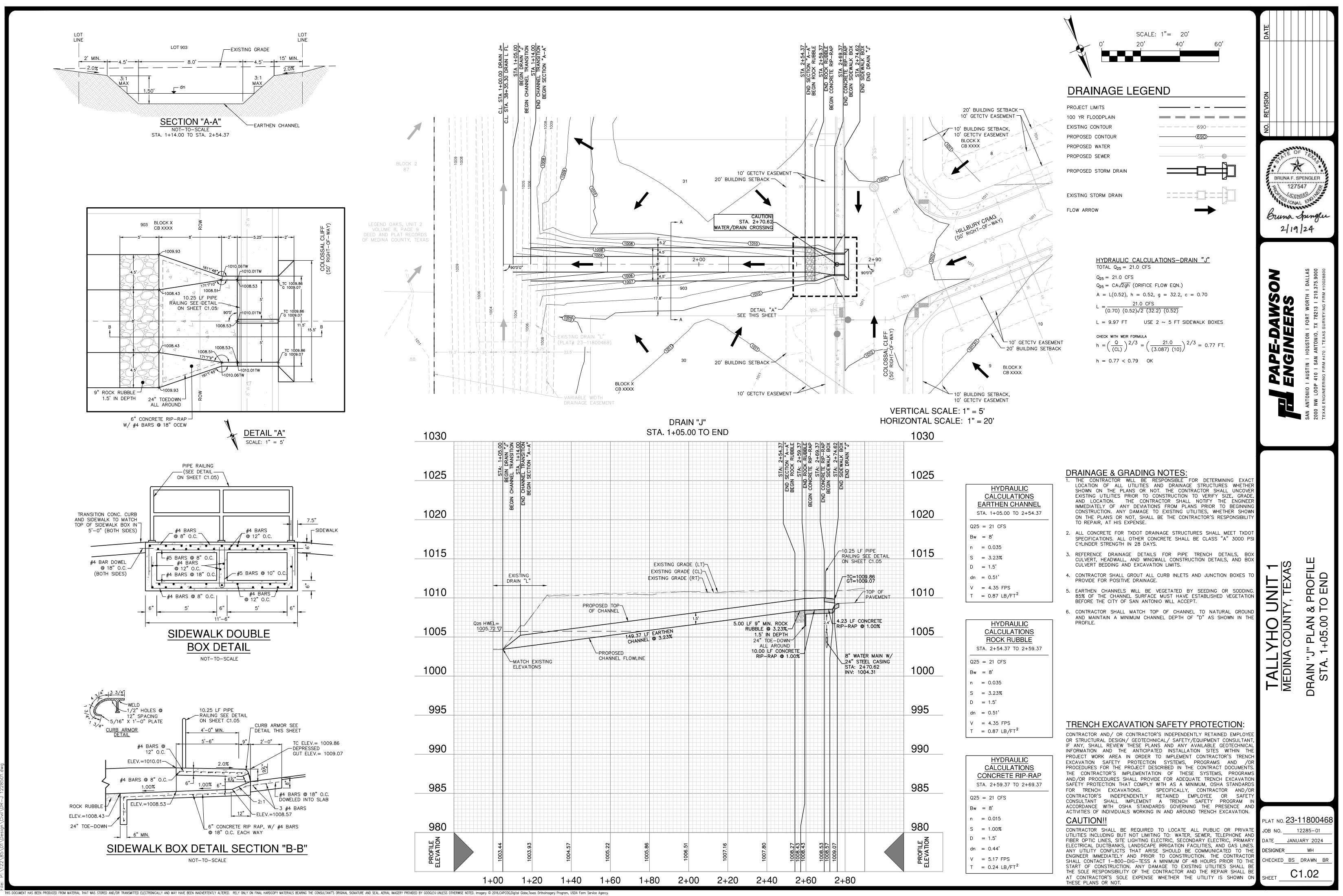
C0.00 SHEET



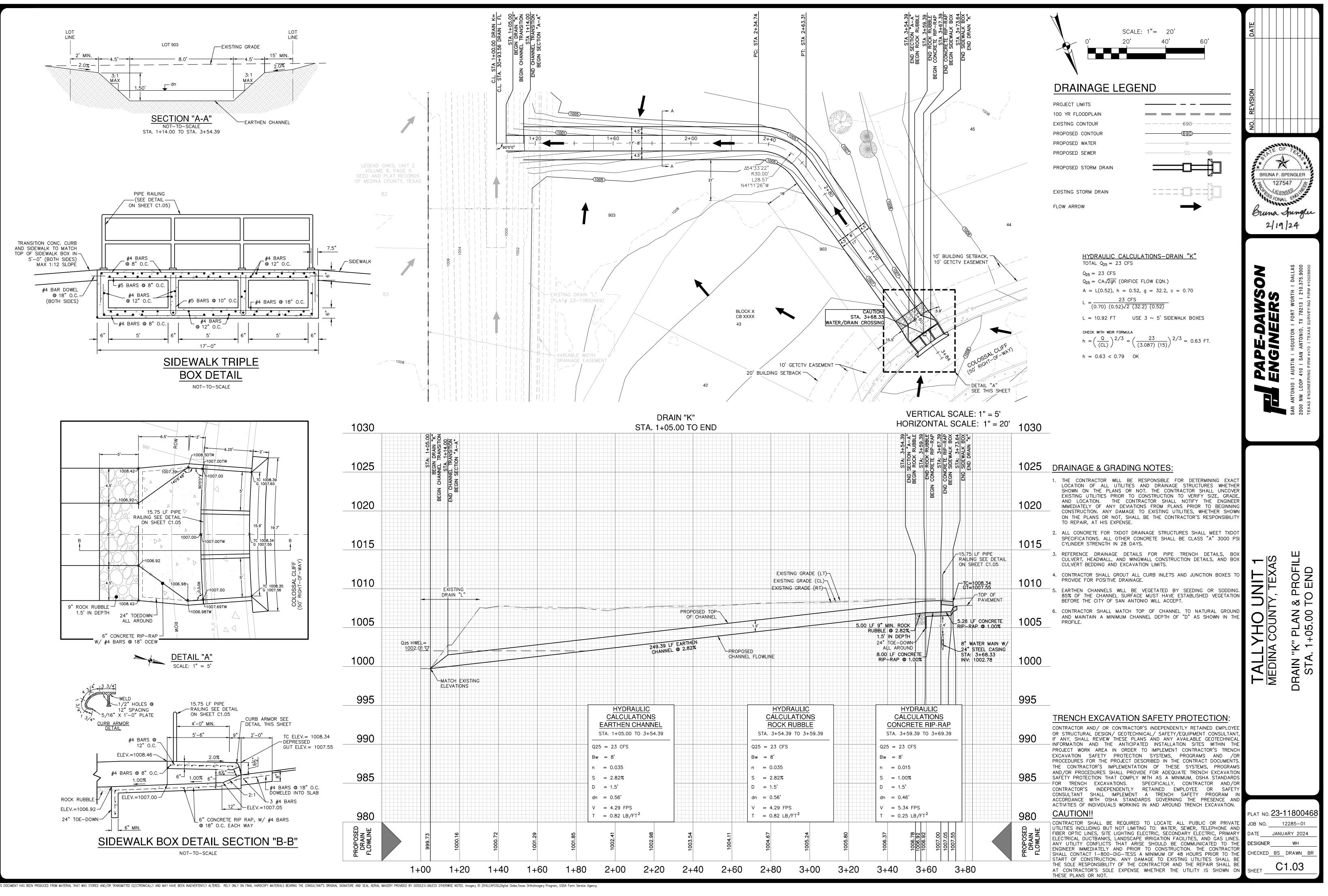


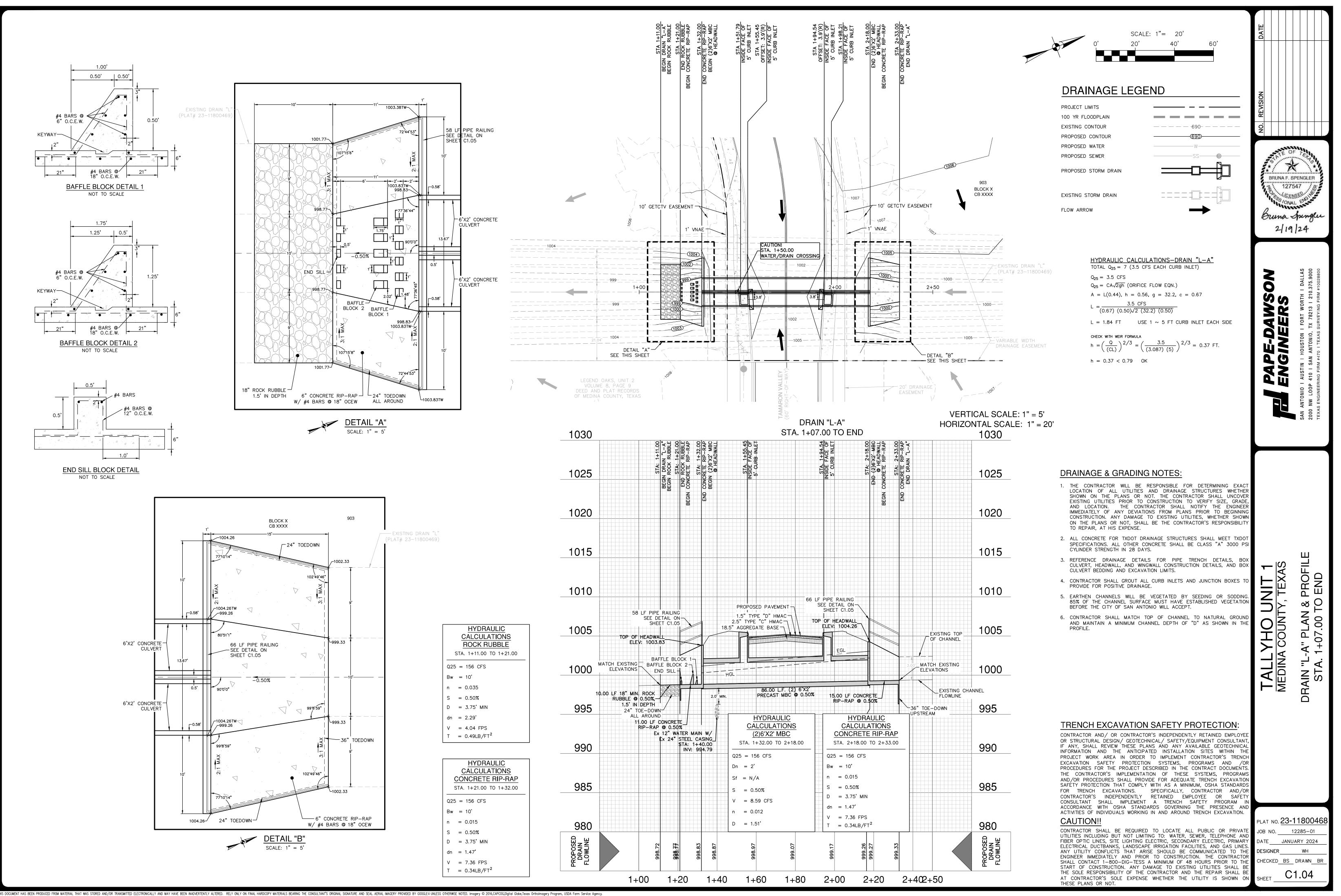


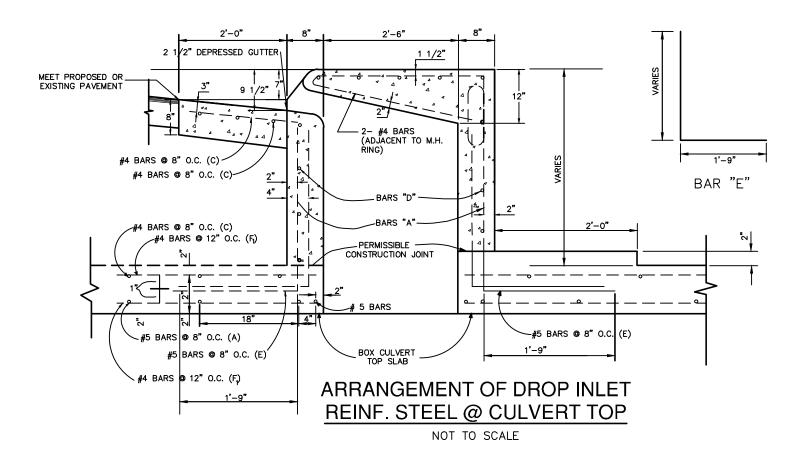
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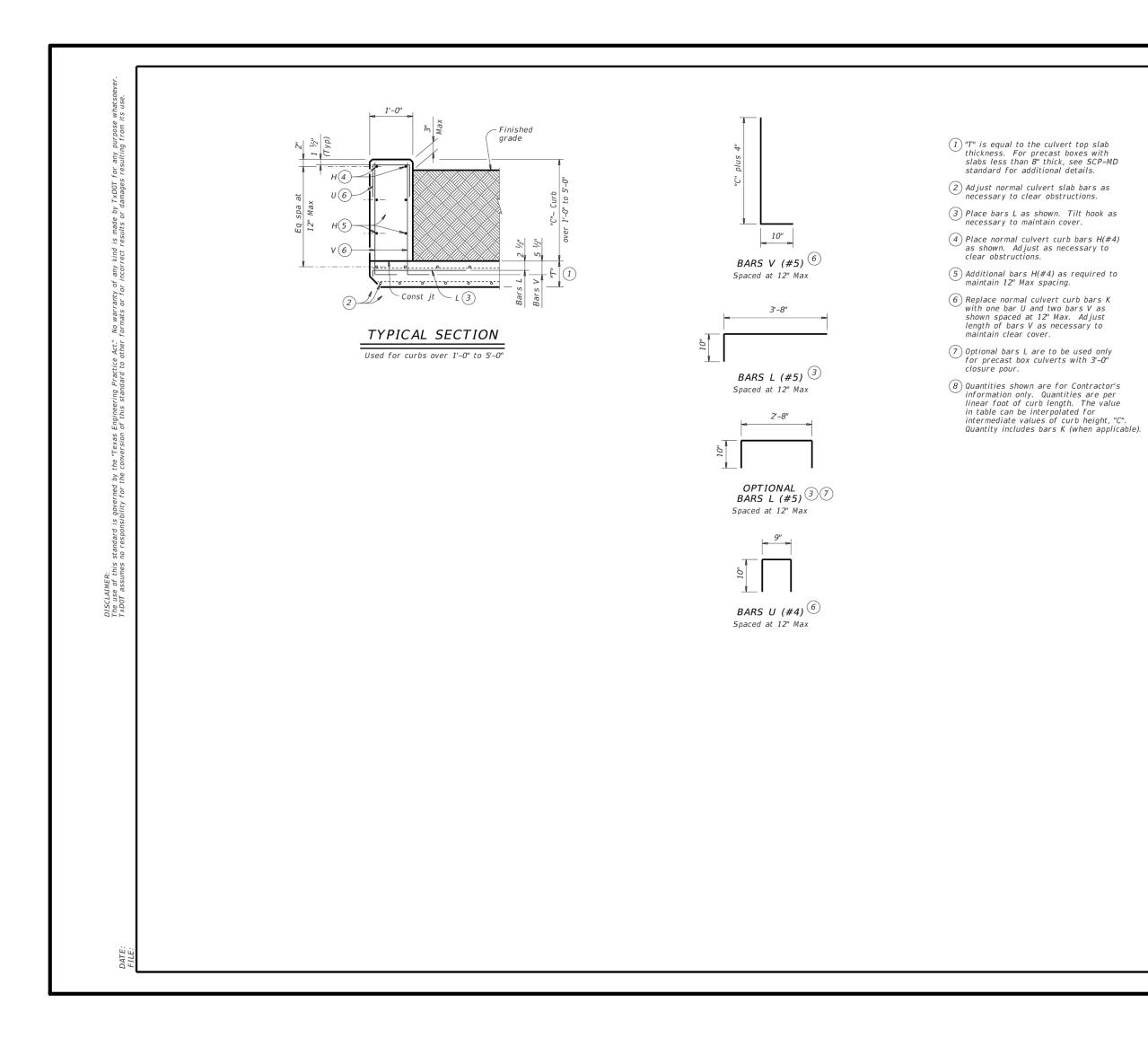


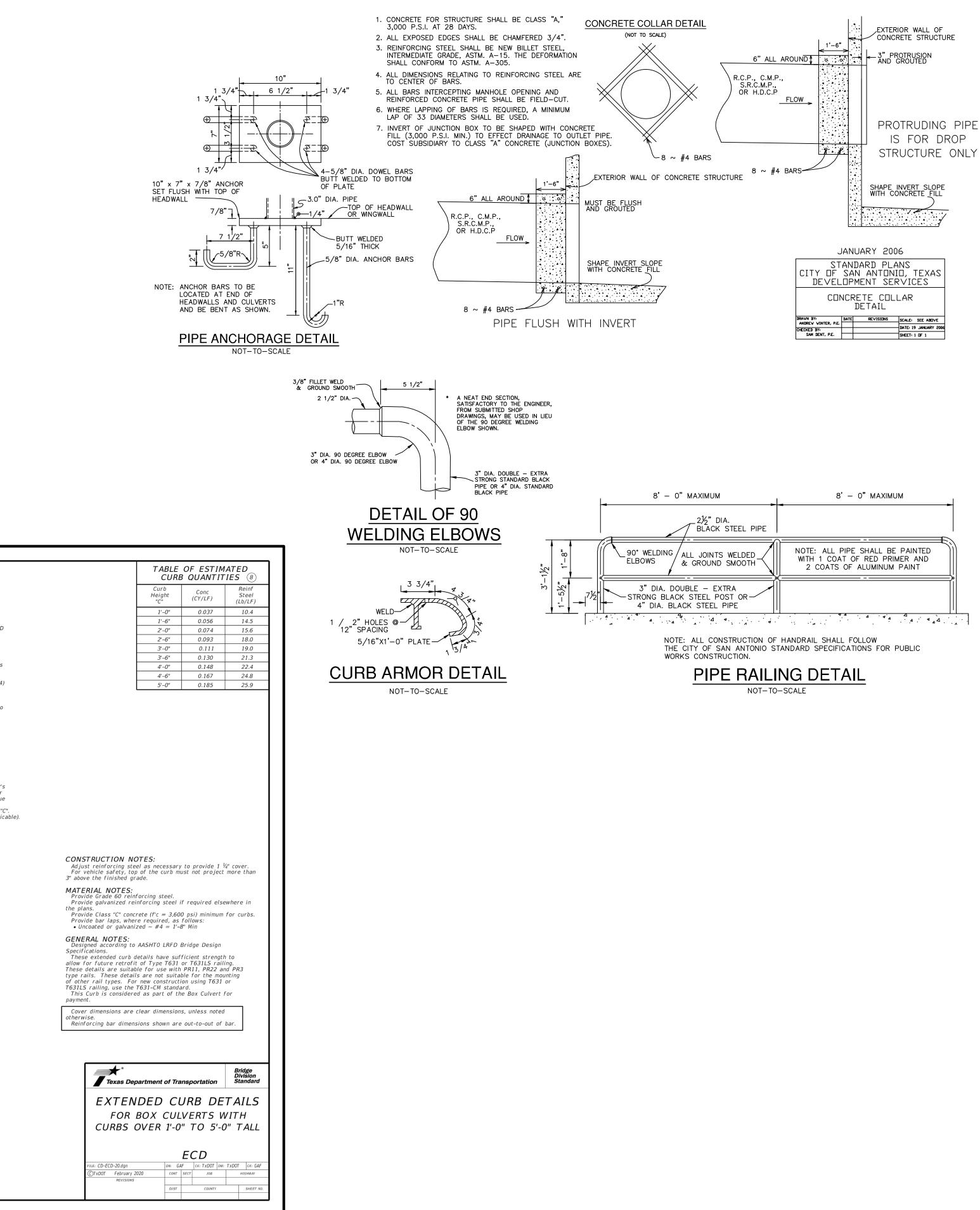
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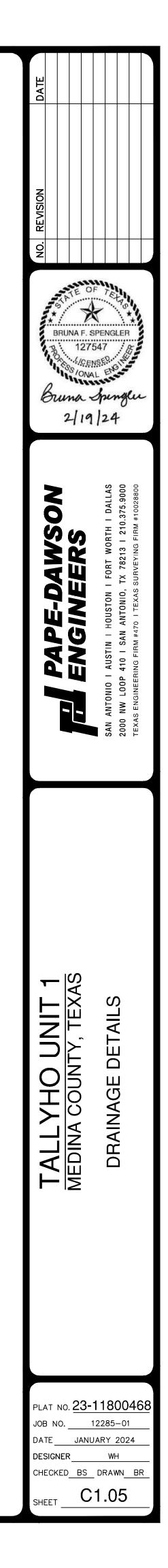


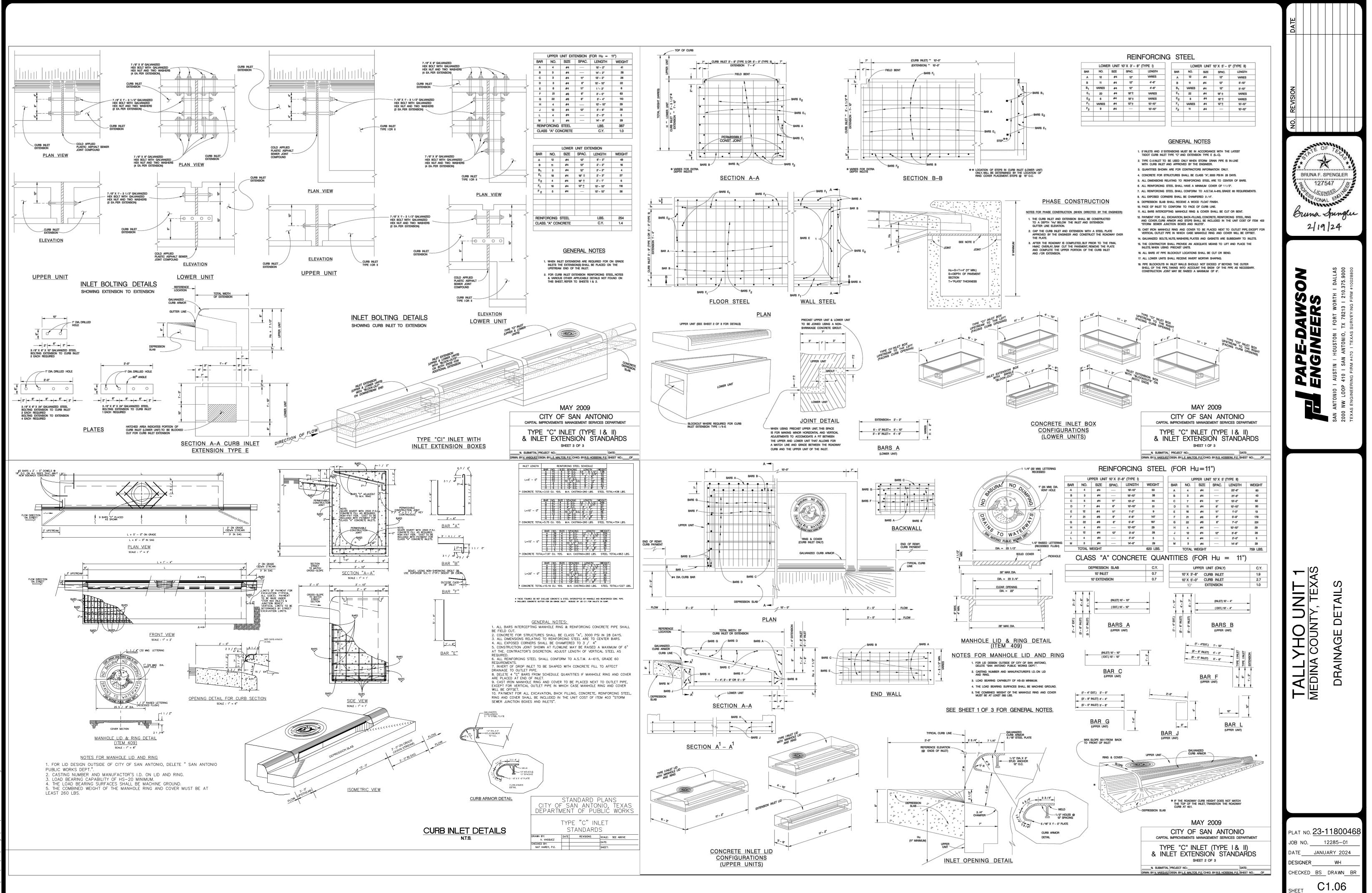




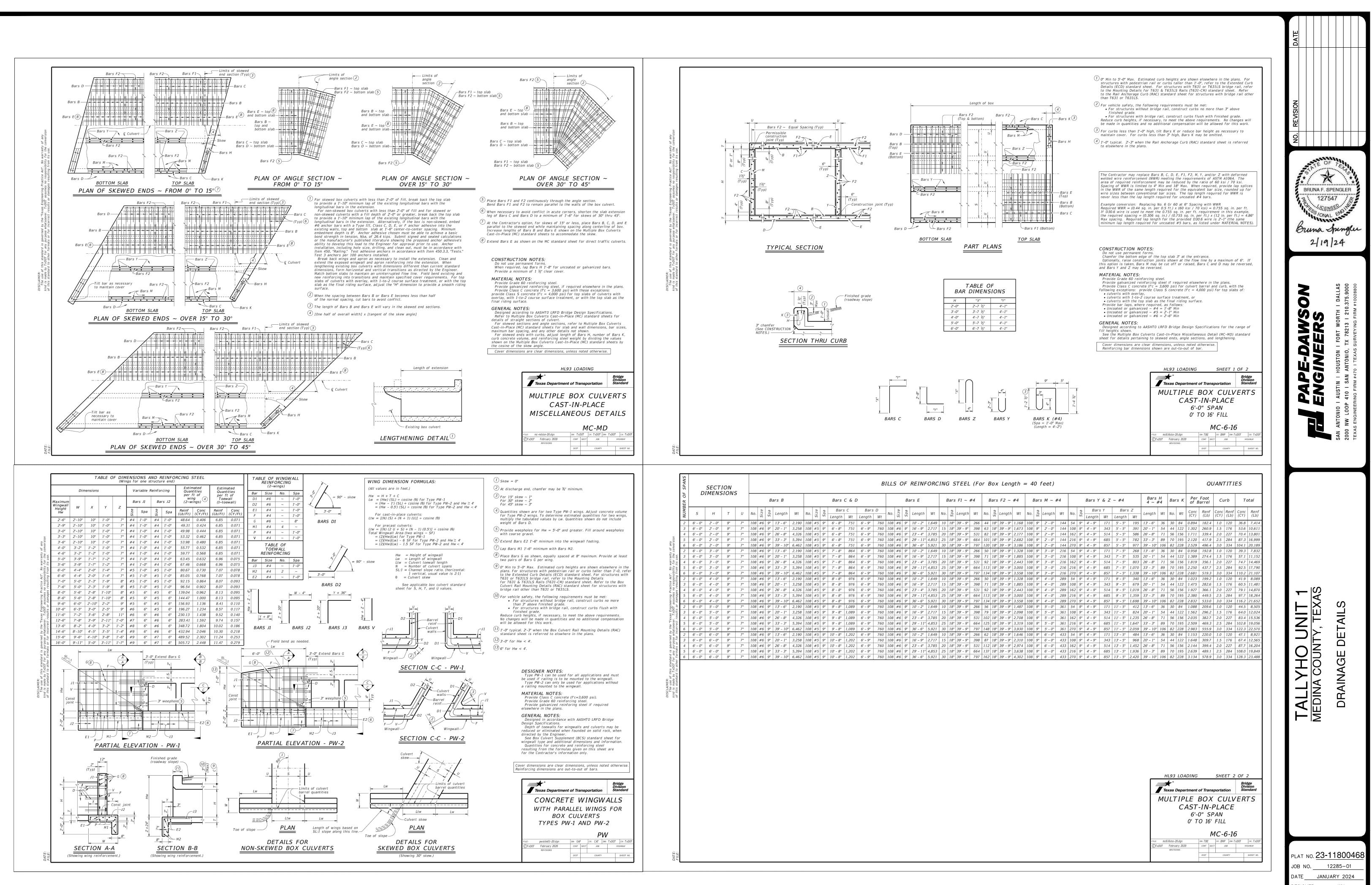








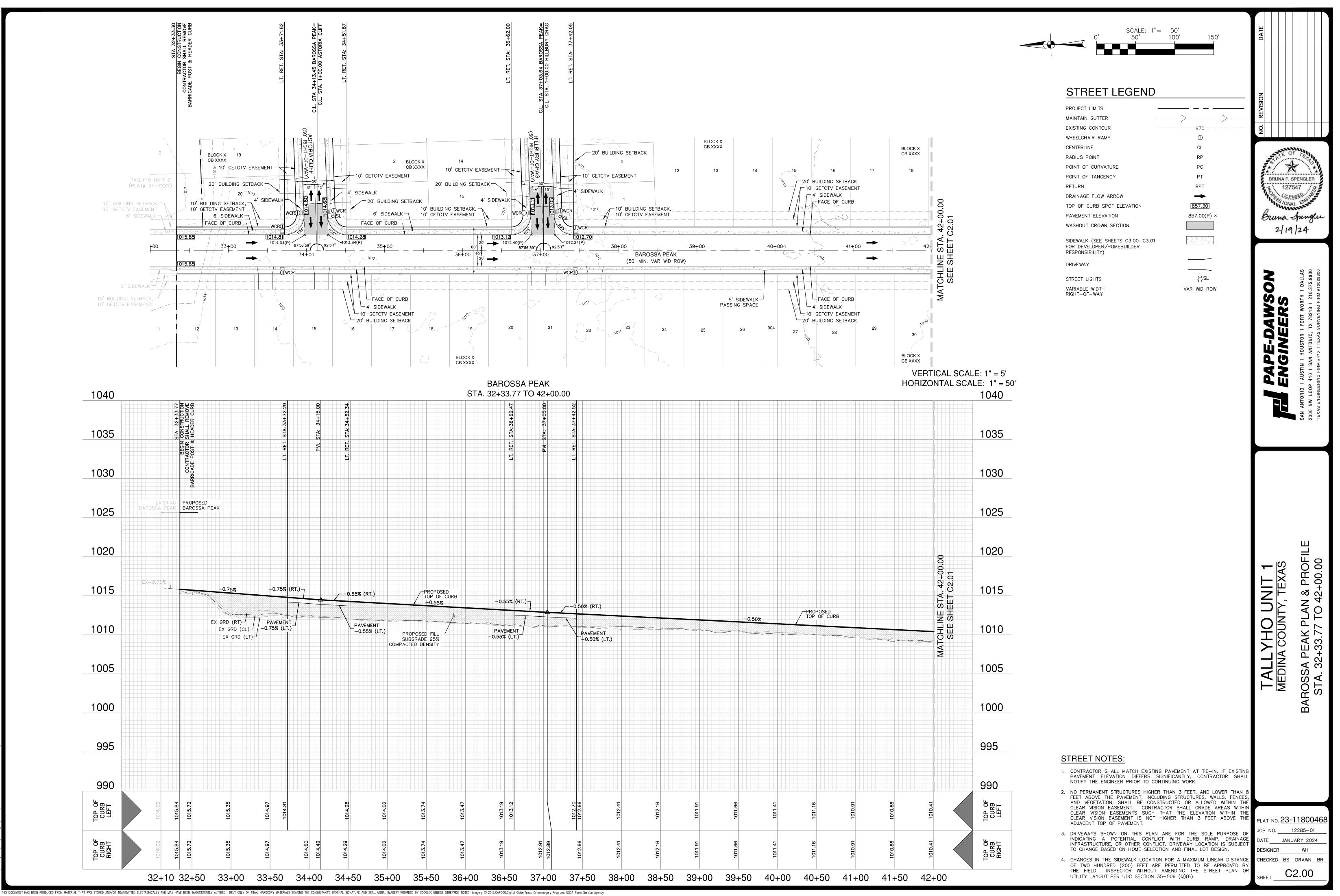
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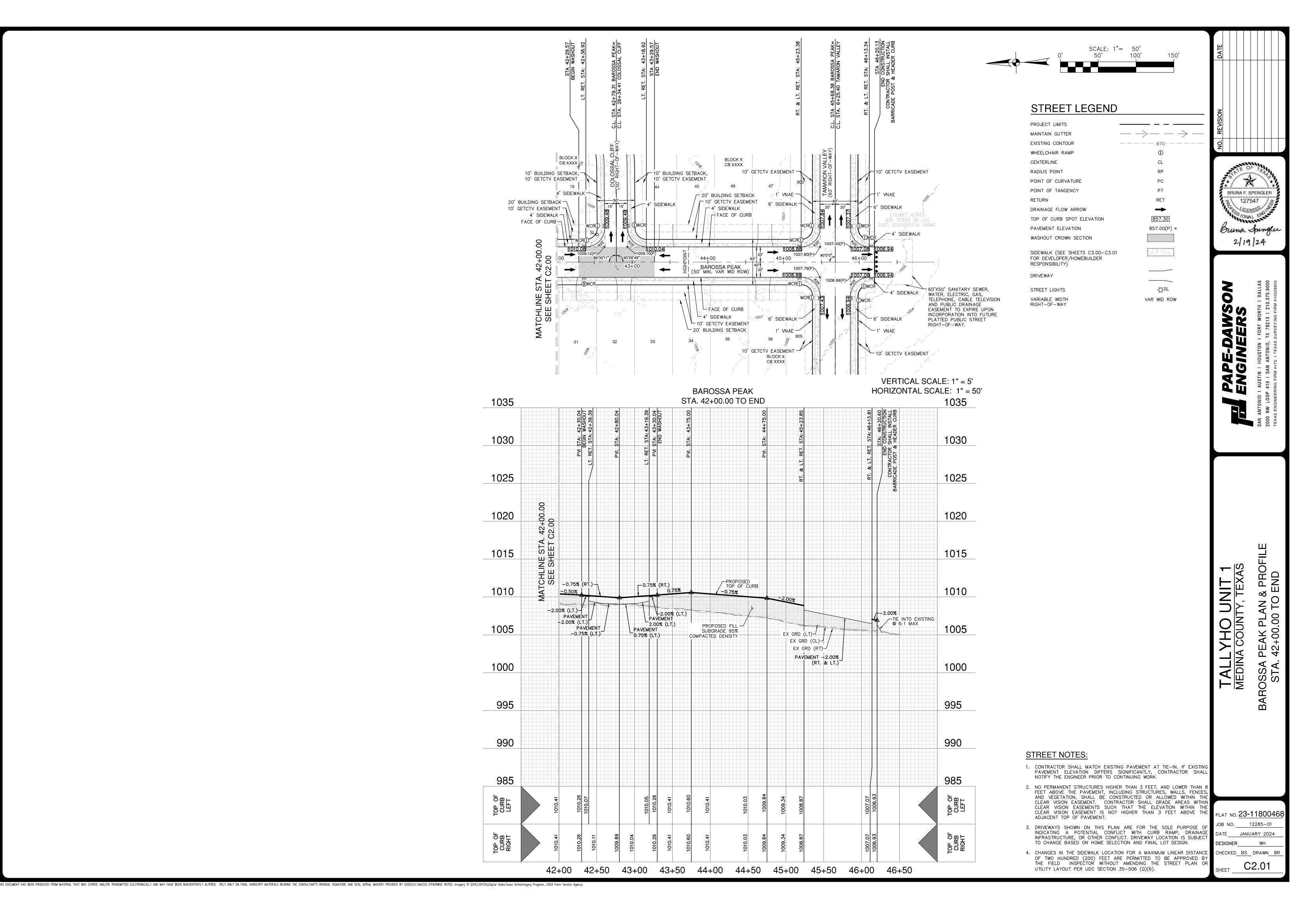
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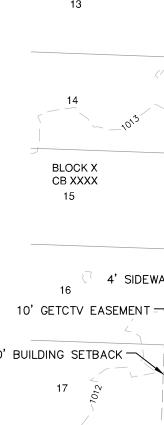
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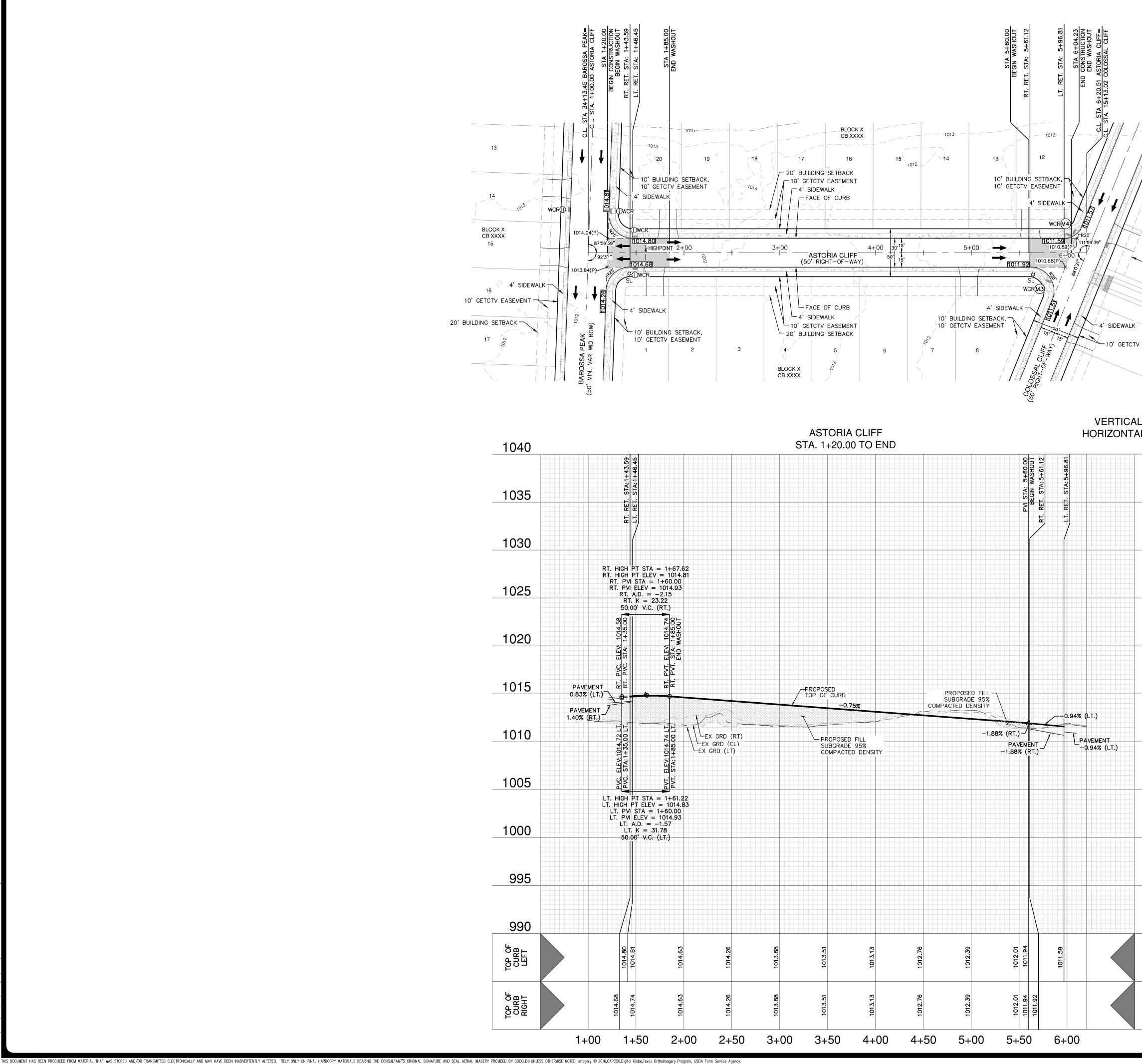
JOB NO. 12285-01 DATE JANUARY 2024 DESIGNER WH CHECKED BS DRAWN BF SHEET C1.07



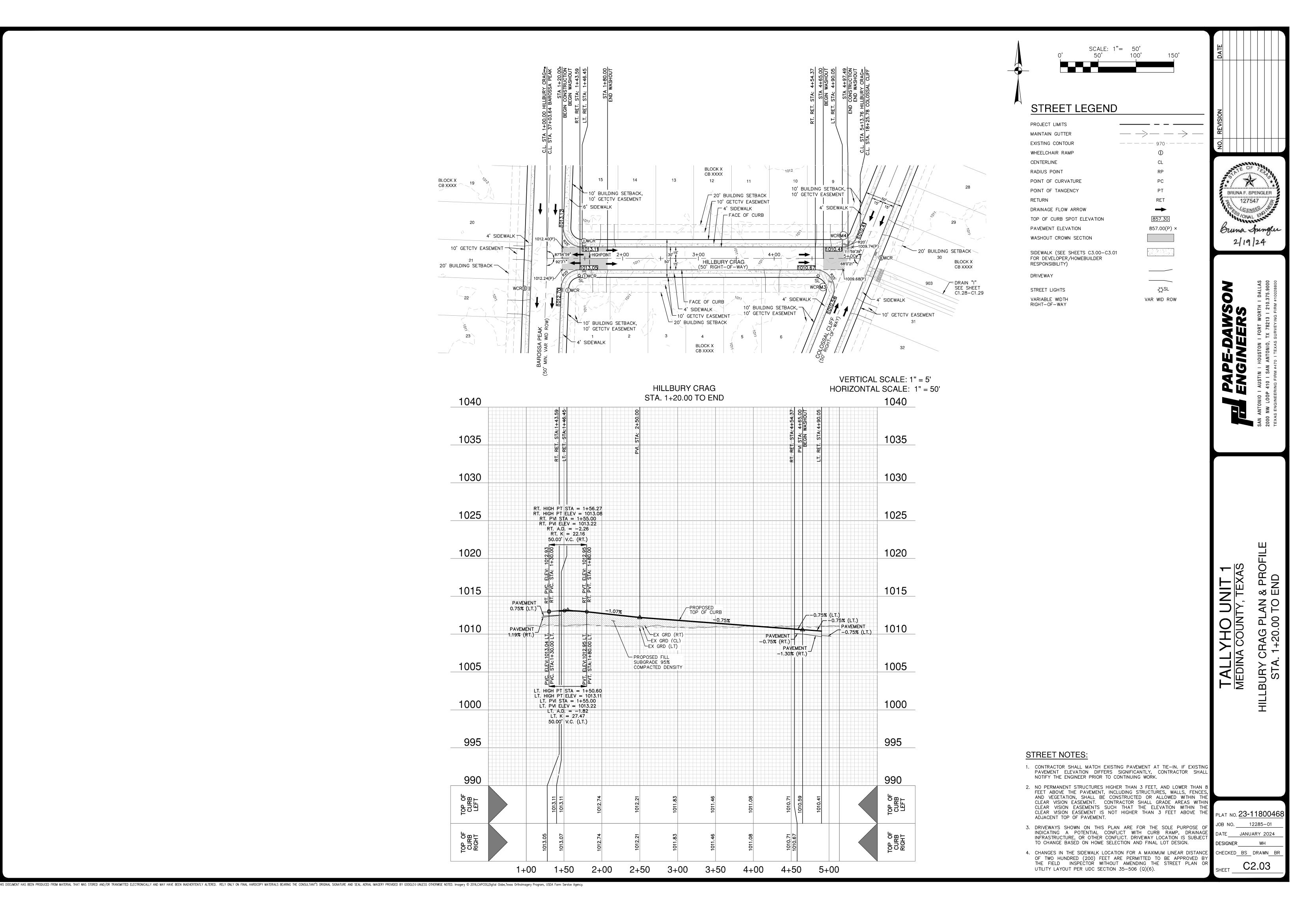
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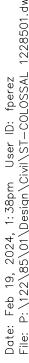


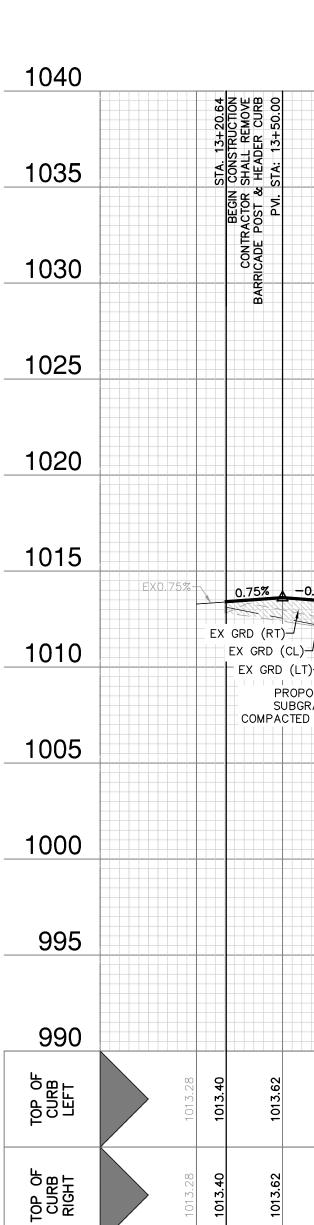


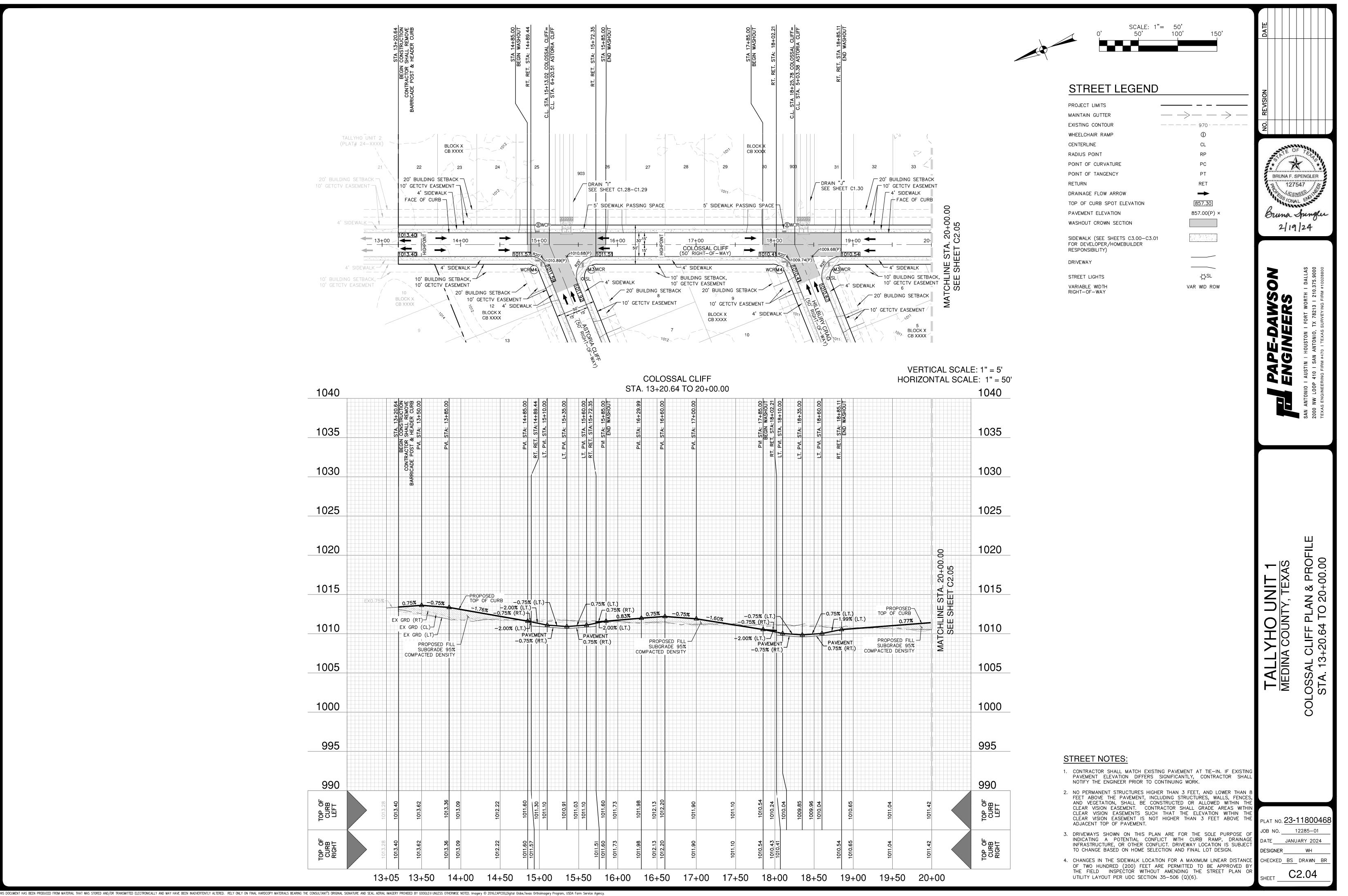


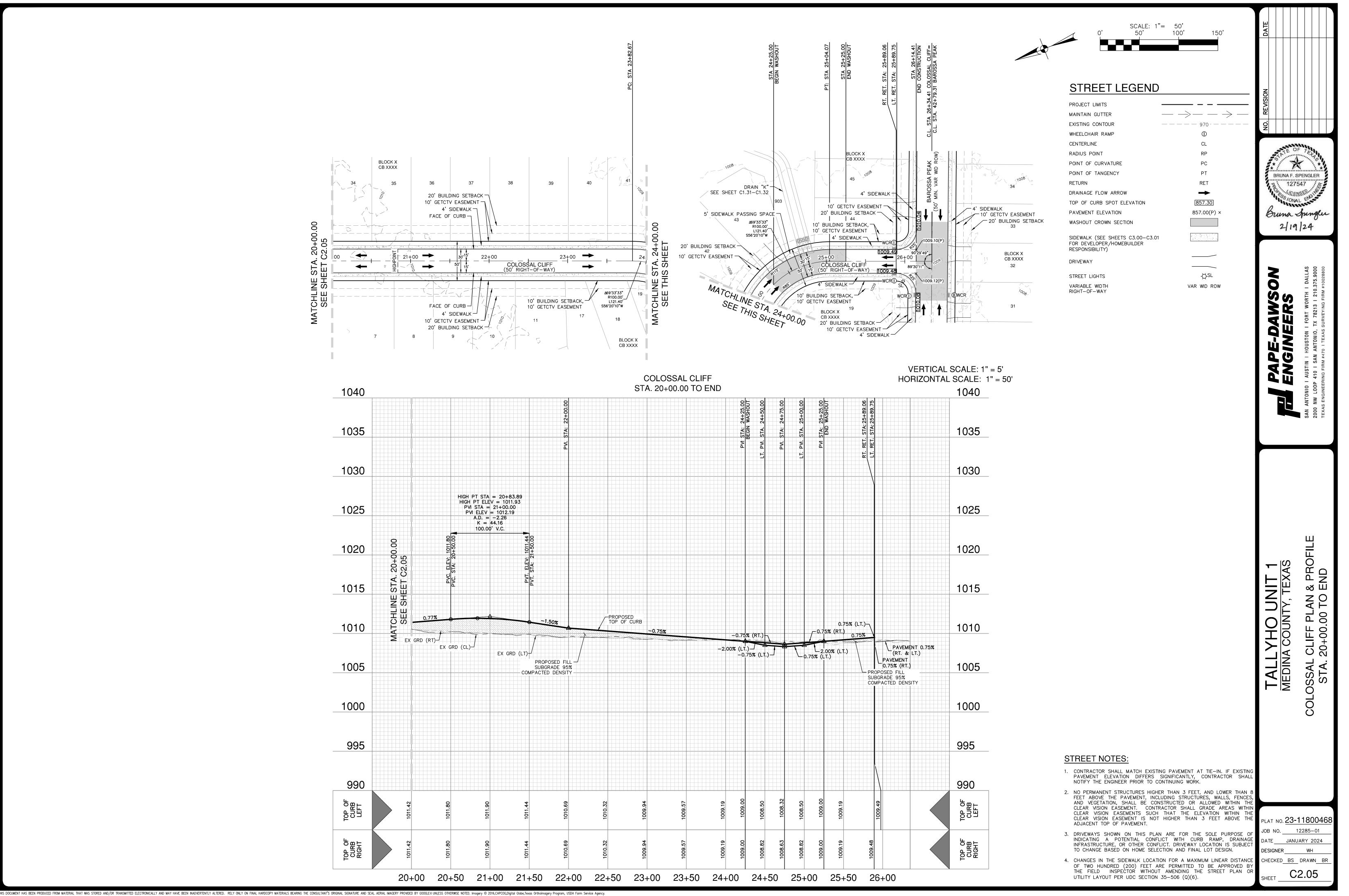
	SCALE: 1"= 50' 0' 50' 100' 150'	DATE
	STREET LEGEND	NOIS
23 BLOCK X SCB XXXX 24 20' BUILDING SETBACK 25	PROJECT LIMITS	NOISINA NOISINA NOI NOI NOI NOI NOI NOI NOI NOI NOI NOI
PRAIN "I" SEE SHEET C1.28-C1.29 903 V EASEMENT 26	RESPONSIBILITY) DRIVEWAY STREET LIGHTS VARIABLE WIDTH RIGHT-OF-WAY	E-DAWSON INEERS HOUSTON I FORT WORTH I DALLAS ANTONIO, TX 78213 I 210.375.9000 70 I TEXAS SURVEYING FIRM #10028800
L SCALE: 1" = 5' AL SCALE: 1" = 50' 1040		TEXAS ENGINEERING I AUSTIN I HOUSTON I FORT 2000 NW LOOP 410 I SAN ANTONIO, TX 78 TEXAS ENGINEERING FIRM #470 I TEXAS SURVE
1035		
1025		
1020		SFILE
1015		UNIT 1 IV, TEXAS AN & PROFII TO END
1010		
1005		TALLYH MEDINA CO ASTORIA CLIFF STA. 1+20
995		<
TOP OF CURB F D66	 STREET NOTES: 1. CONTRACTOR SHALL MATCH EXISTING PAVEMENT AT TIE-IN. IF EXISTING PAVEMENT ELEVATION DIFFERS SIGNIFICANTLY, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WORK. 2. NO PERMANENT STRUCTURES HIGHER THAN 3 FEET, AND LOWER THAN 8 FEET ABOVE THE PAVEMENT, INCLUDING STRUCTURES, WALLS, FENCES, AND VEGETATION, SHALL BE CONSTRUCTED OR ALLOWED WITHIN THE CLEAR VISION EASEMENT. CONTRACTOR SHALL GRADE AREAS WITHIN CLEAR VISION EASEMENT IS NOT HIGHER THAN 3 FEET ABOVE THE ADJACENT TOP OF PAVEMENT. 	FLAT NO. 20 11000400
TOP OF CURB RIGHT	 DRIVEWAYS SHOWN ON THIS PLAN ARE FOR THE SOLE PURPOSE OF INDICATING A POTENTIAL CONFLICT WITH CURB RAMP, DRAINAGE INFRASTRUCTURE, OR OTHER CONFLICT. DRIVEWAY LOCATION IS SUBJECT TO CHANGE BASED ON HOME SELECTION AND FINAL LOT DESIGN. CHANGES IN THE SIDEWALK LOCATION FOR A MAXIMUM LINEAR DISTANCE OF TWO HUNDRED (200) FEET ARE PERMITTED TO BE APPROVED BY THE FIELD INSPECTOR WITHOUT AMENDING THE STREET PLAN OR UTILITY LAYOUT PER UDC SECTION 35-506 (Q)(6). 	JOB NO. 12285-01 DATE JANUARY 2024 DESIGNER WH CHECKED BS DRAWN BR SHEET C2.02

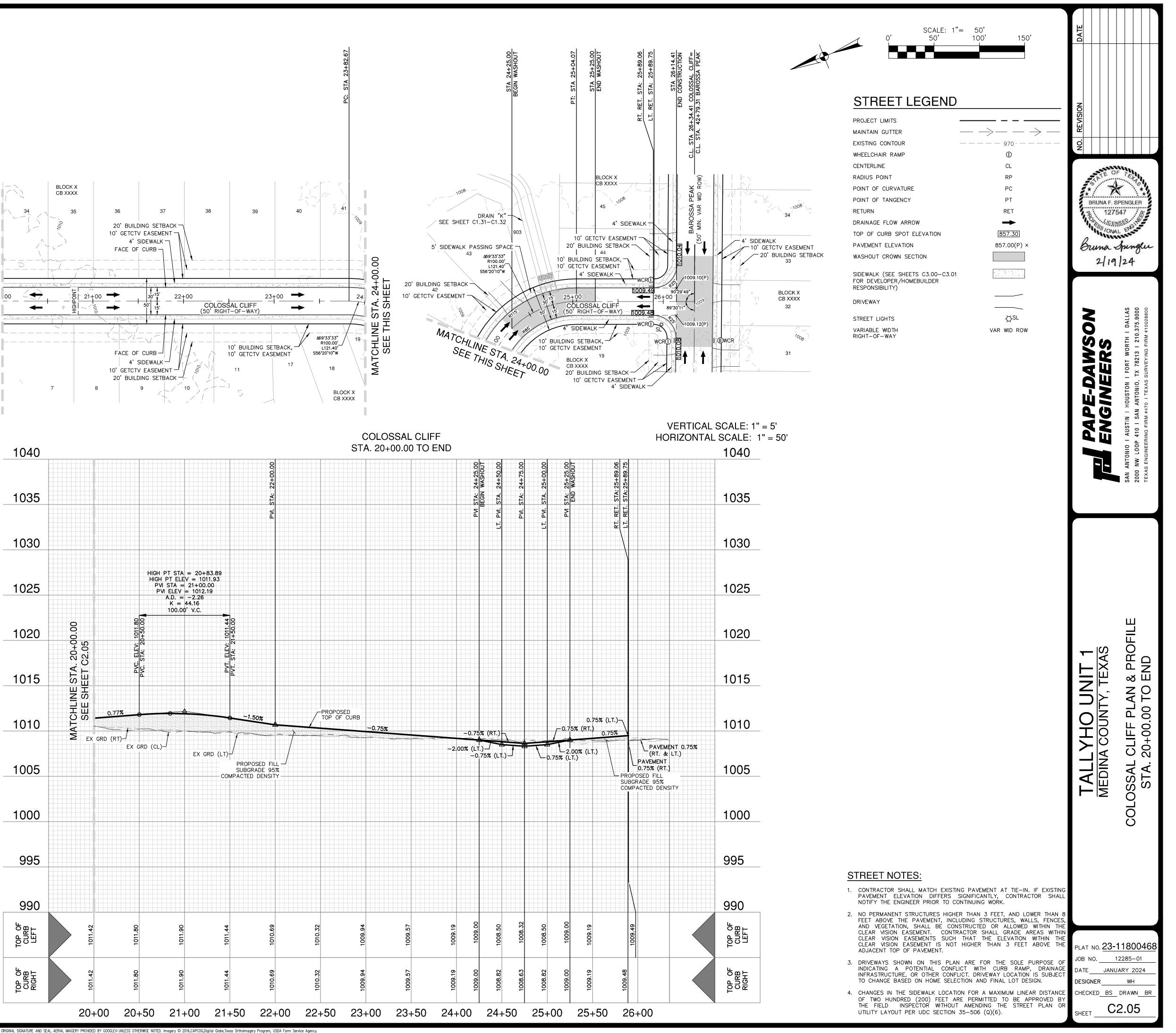


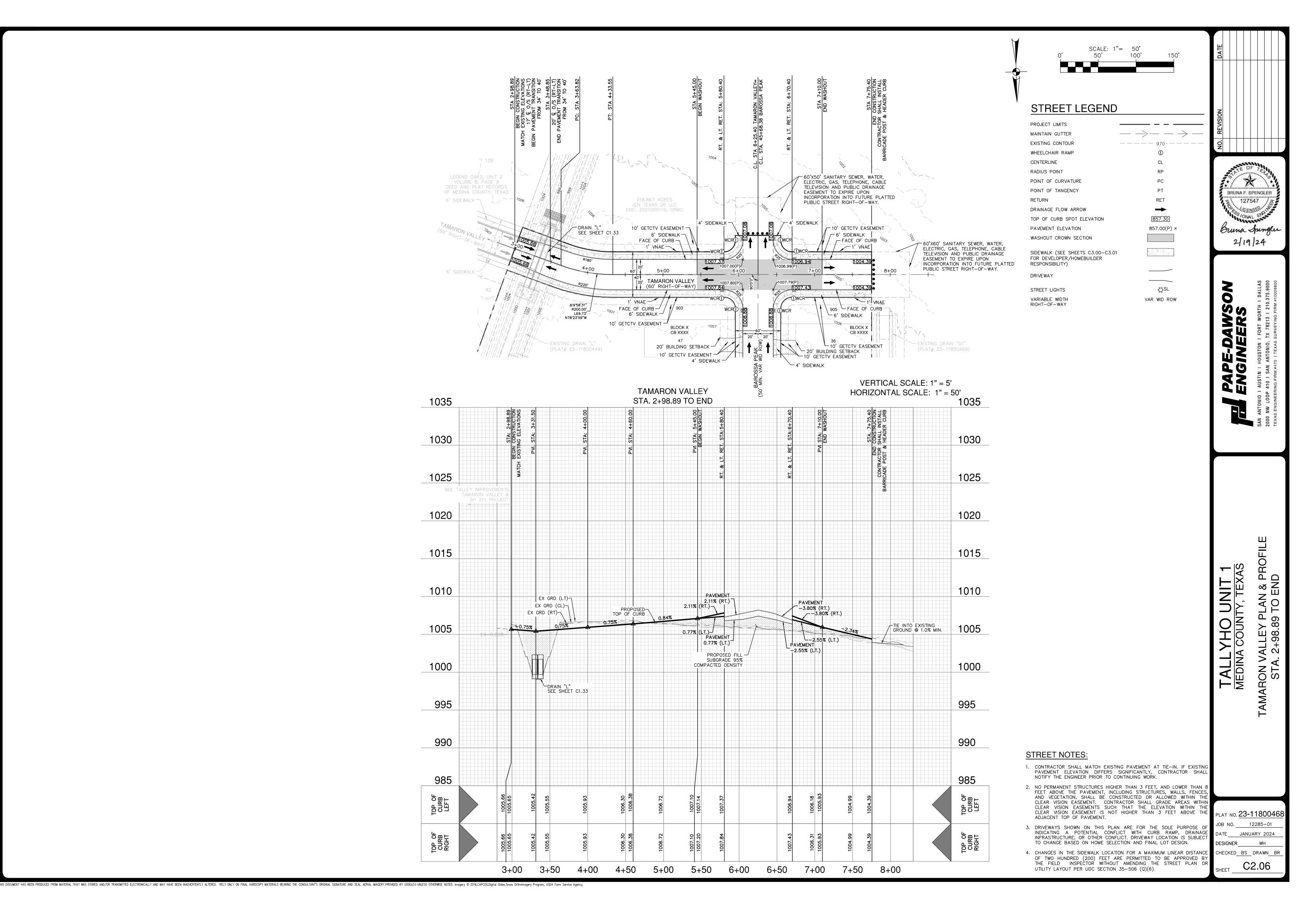


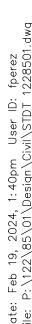


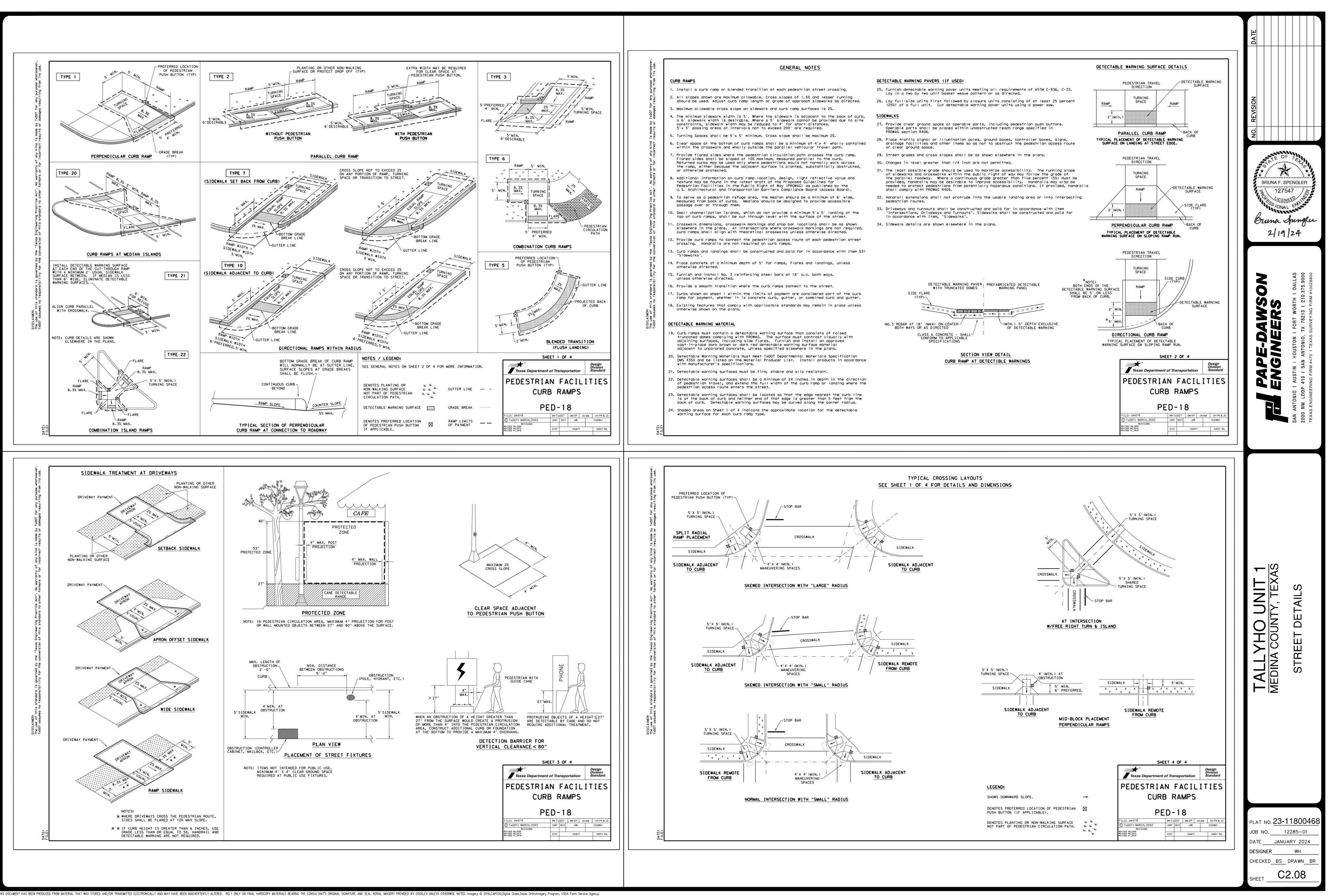


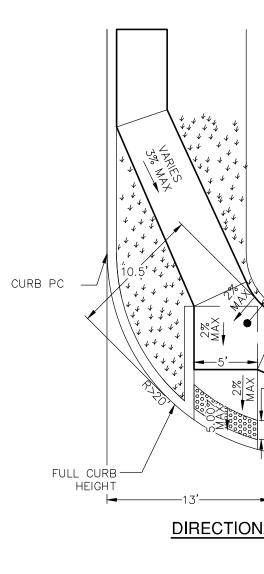


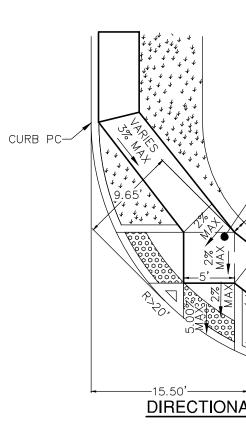


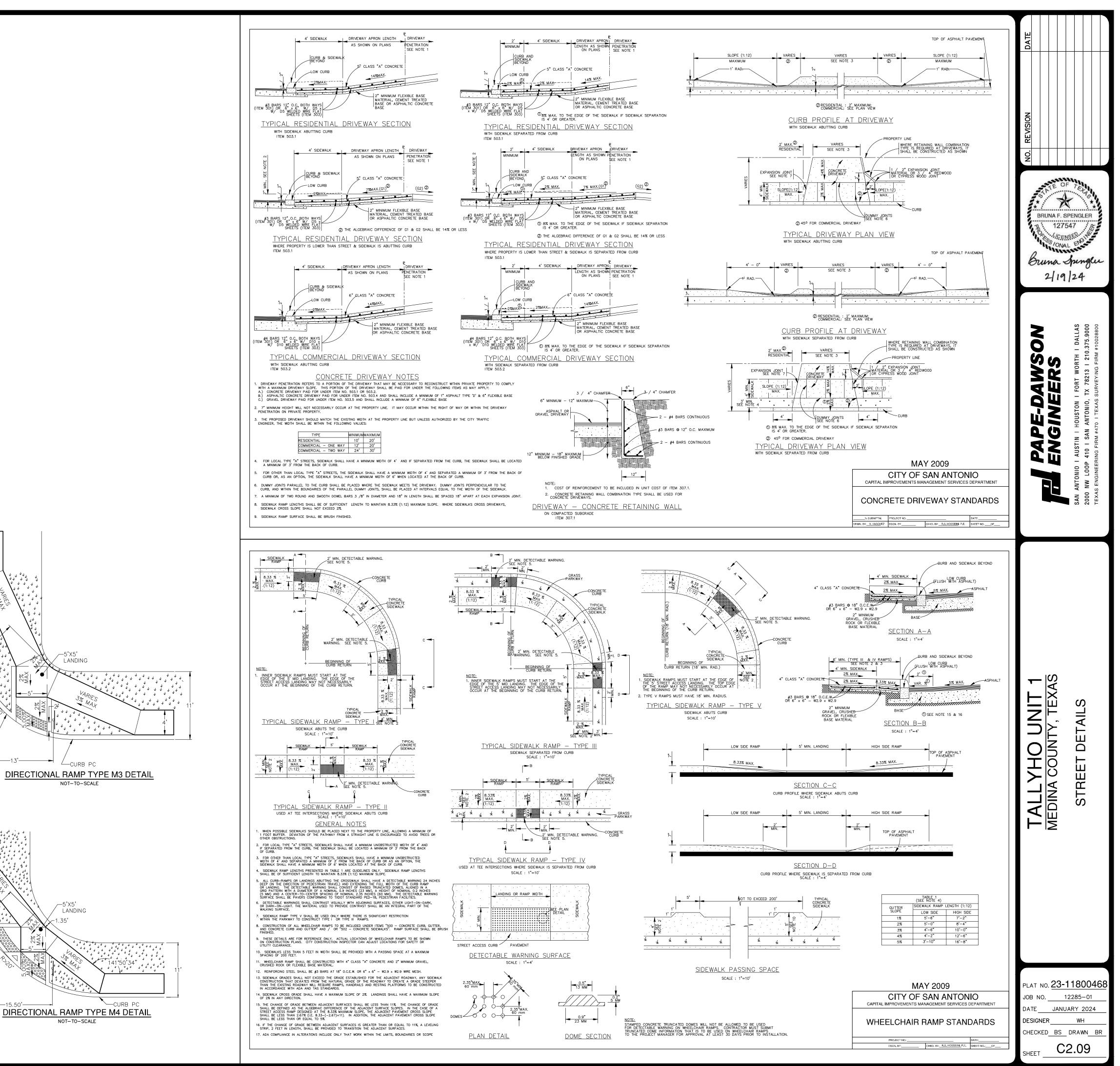




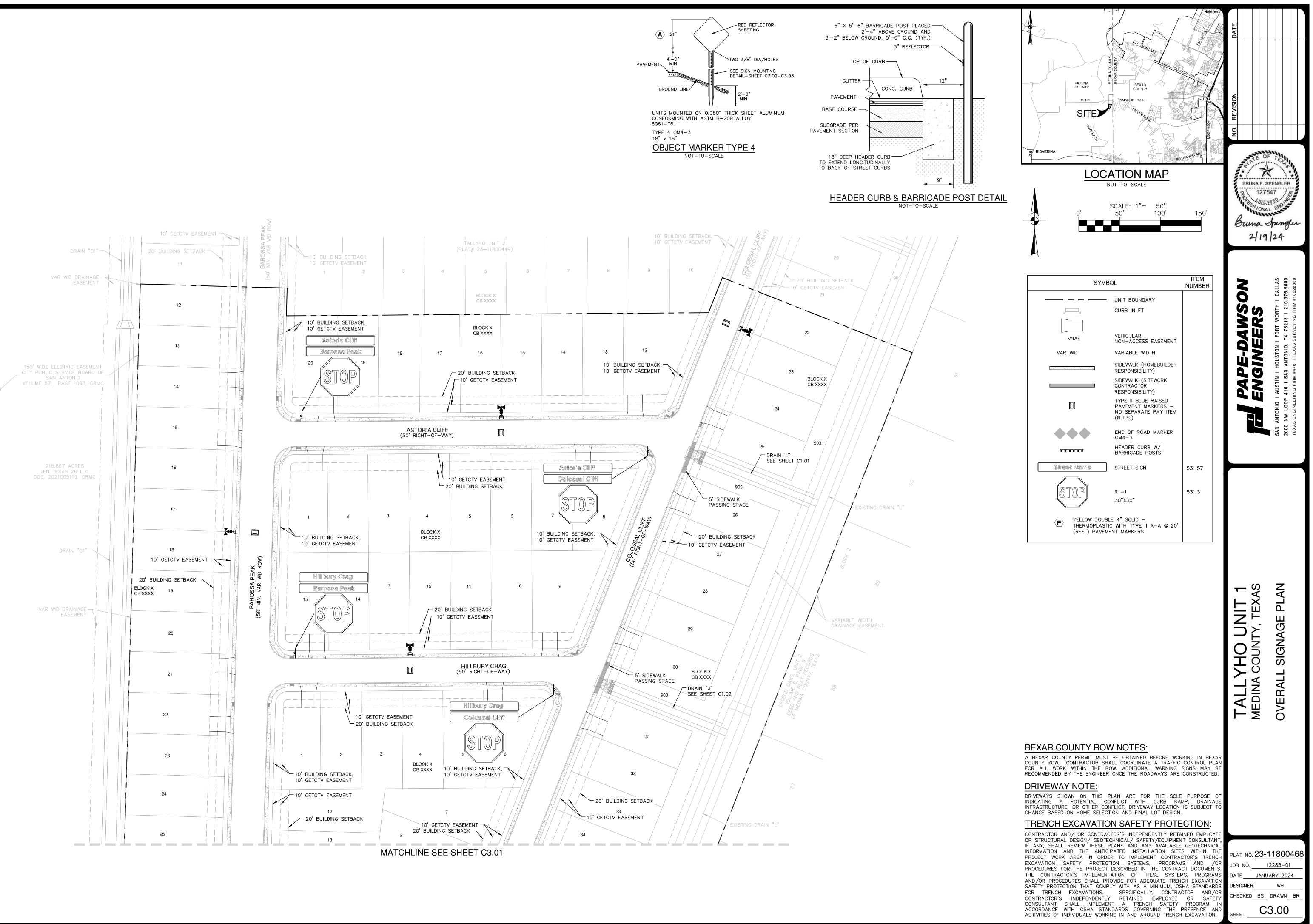


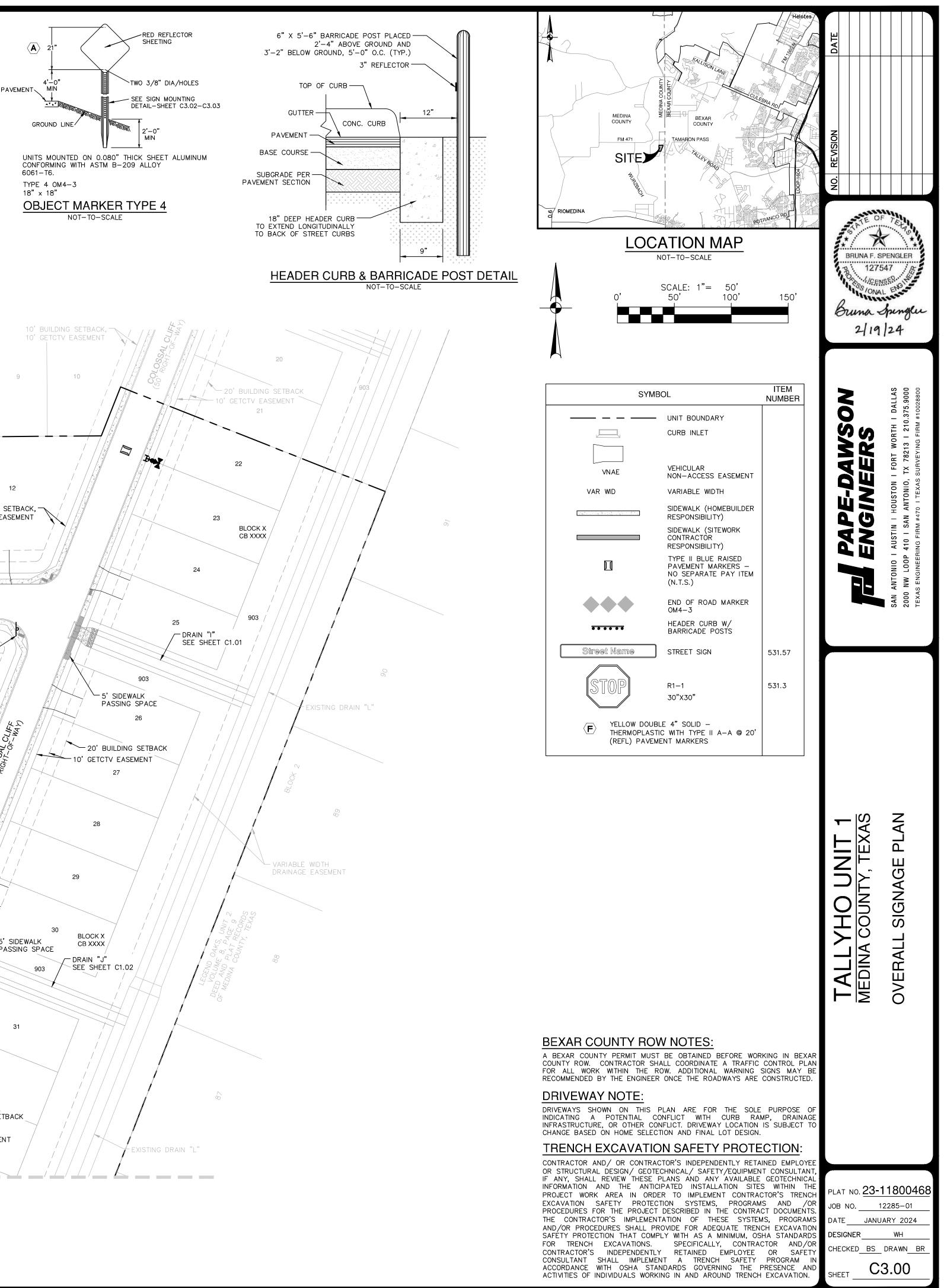


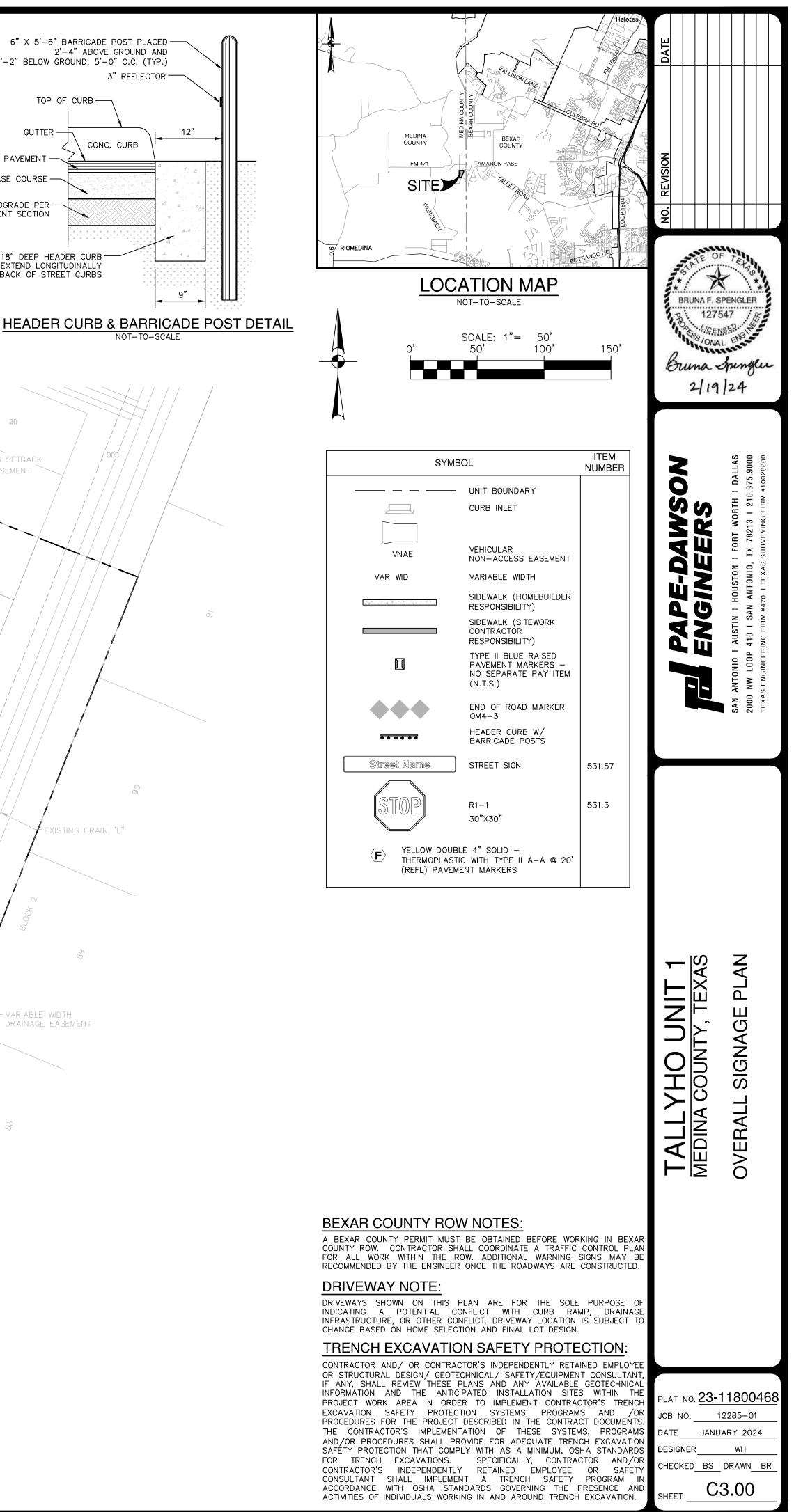


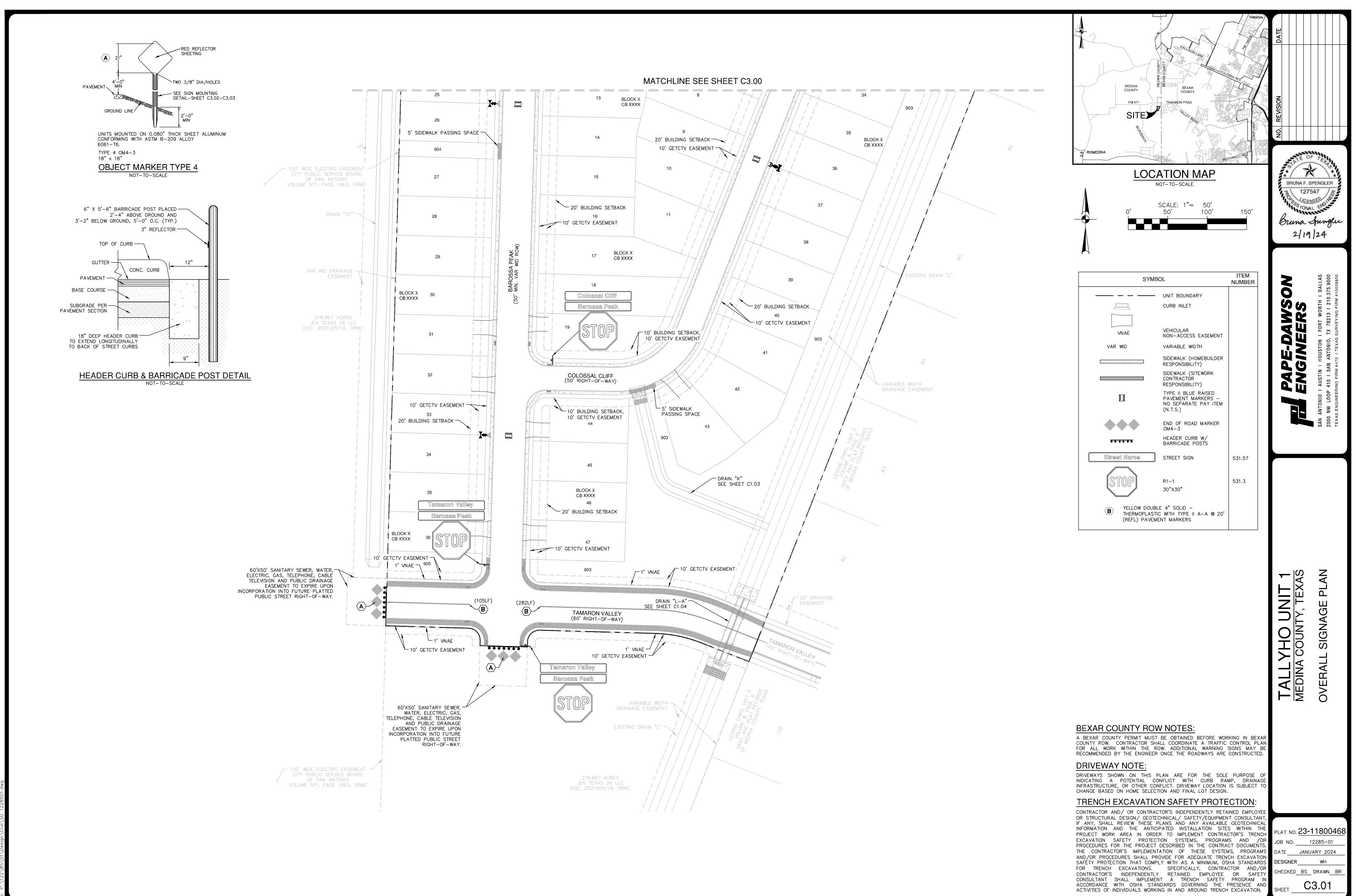


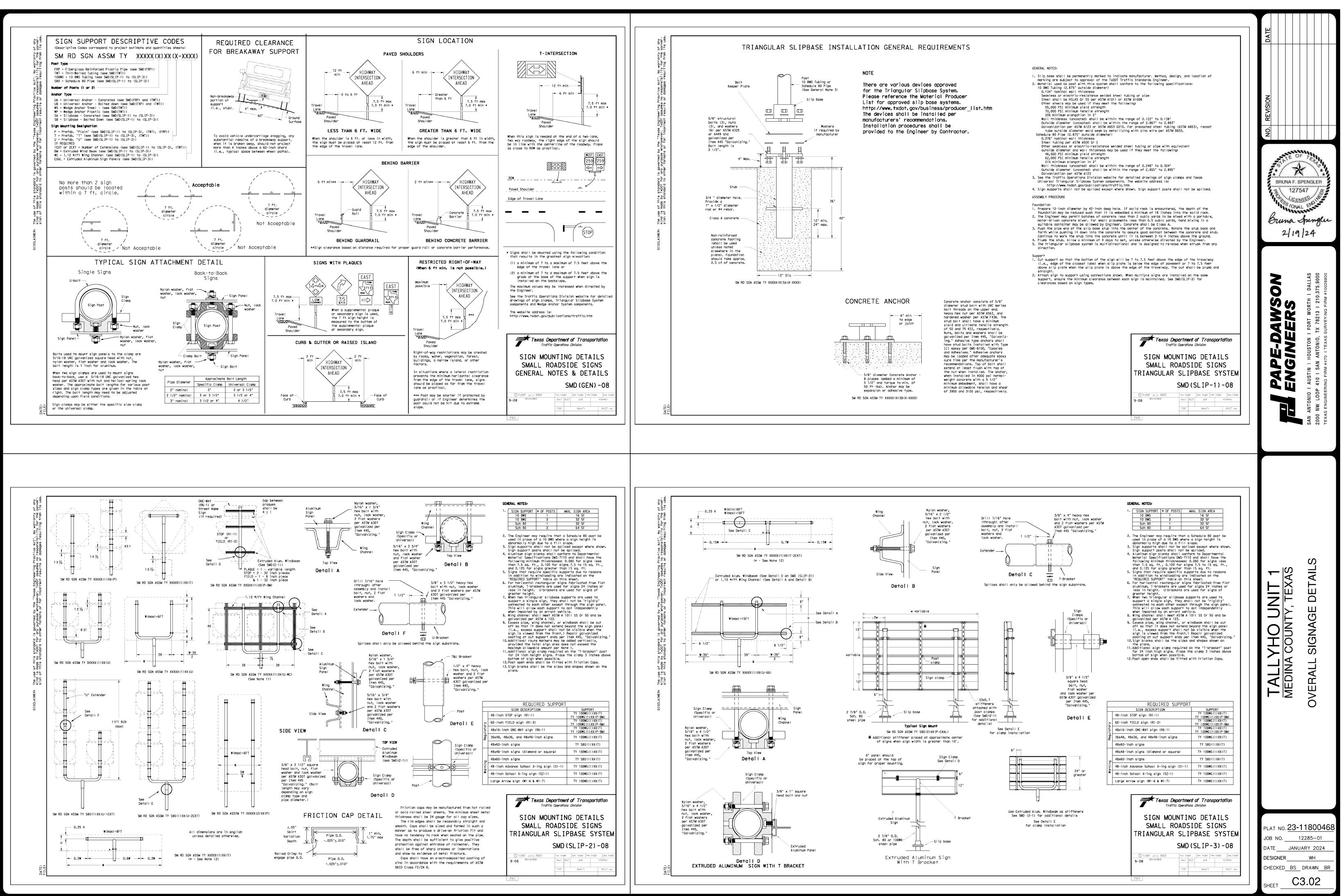
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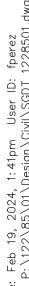




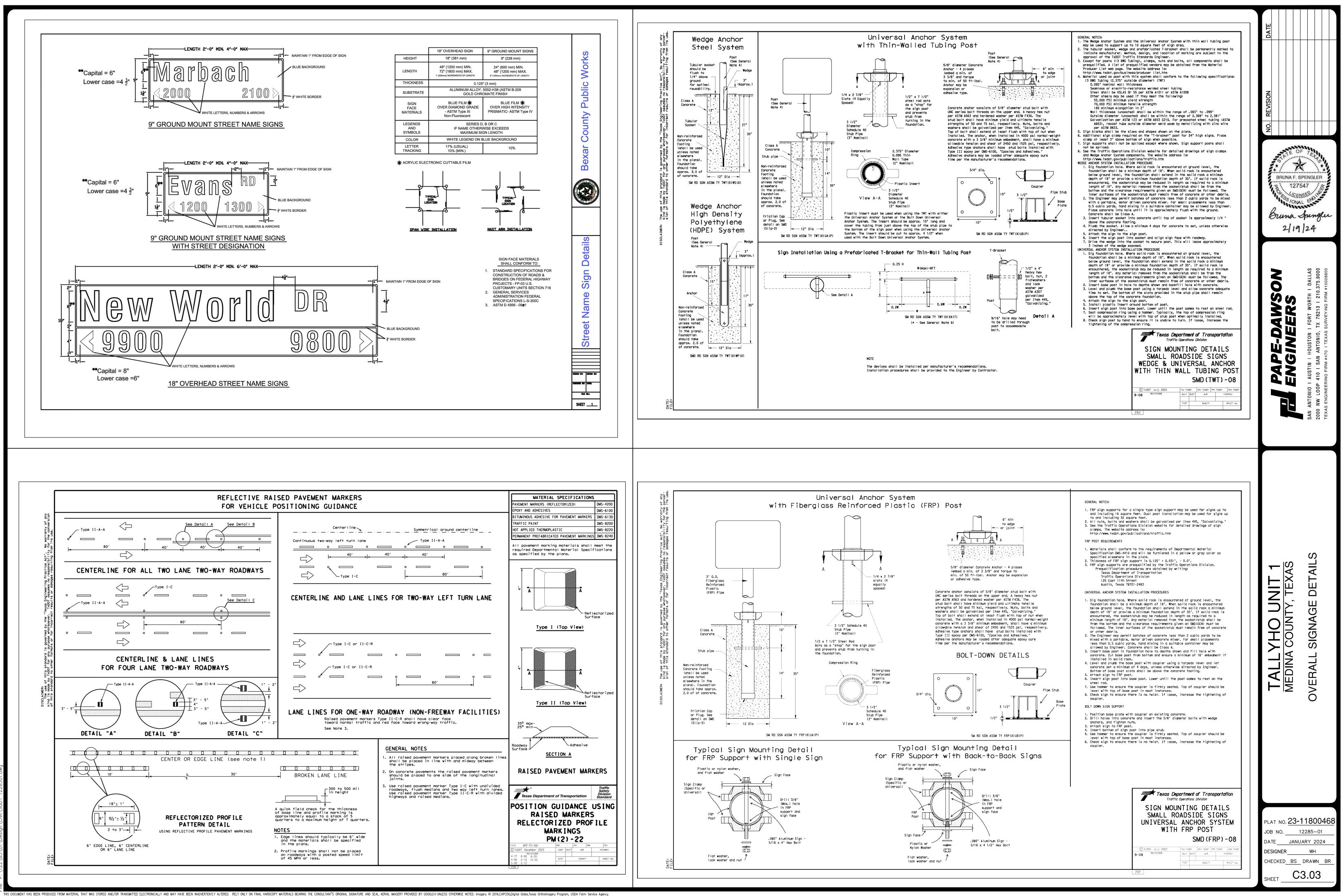


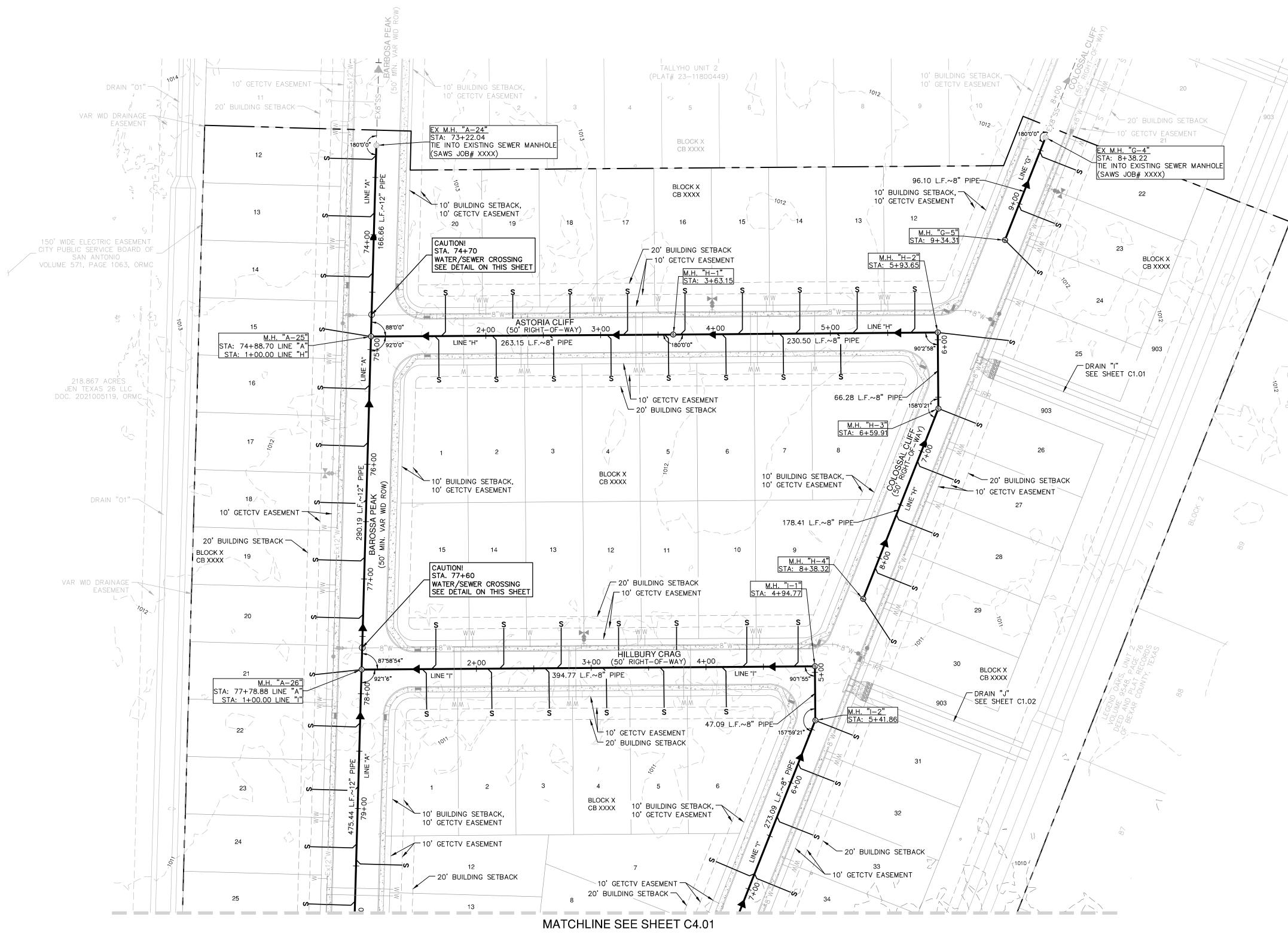




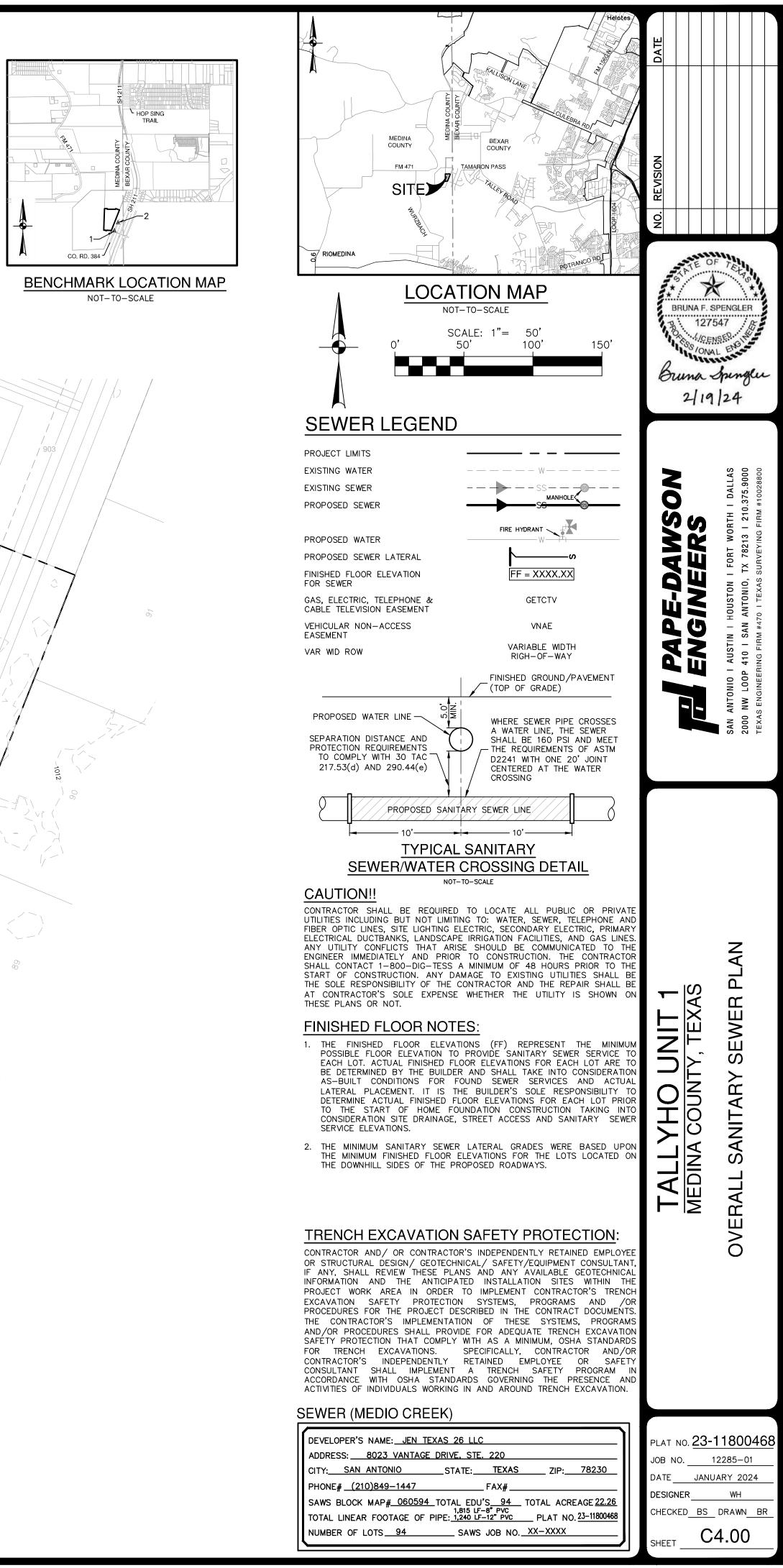


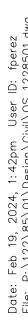
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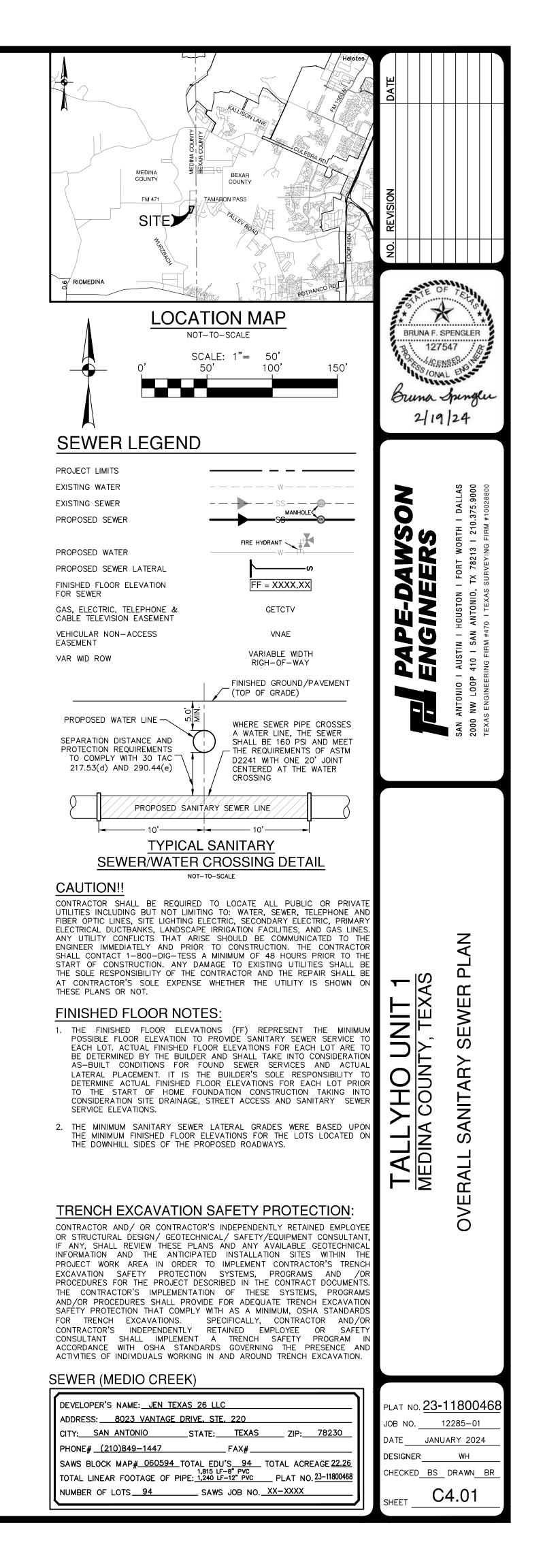


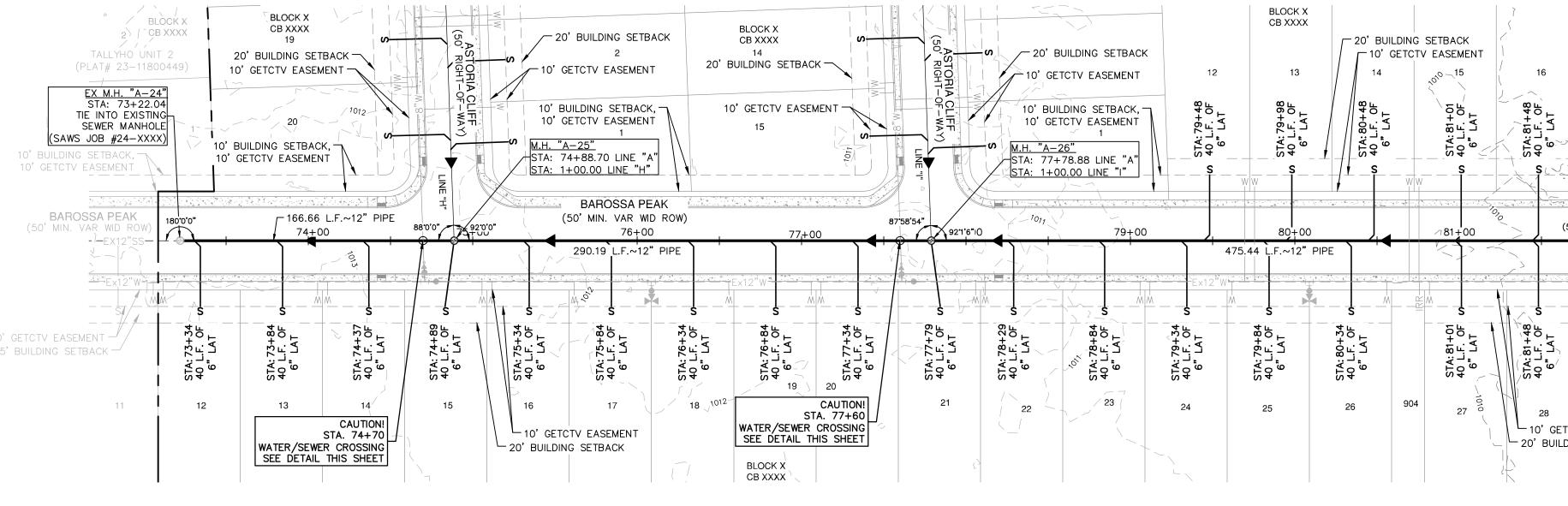
HORIZONTAL AND VERTICAL CONTROL POINTS					
Point #	Northing	Easting	Elevation	Full Description	
1	13,722,936.09	2,030,218.17	1007.37	SET MAG NAIL (TRAV)	
2	13,723,442.23	2,030,449.64	1009.42	SET MAG NAIL & WASHER (TRAV)	

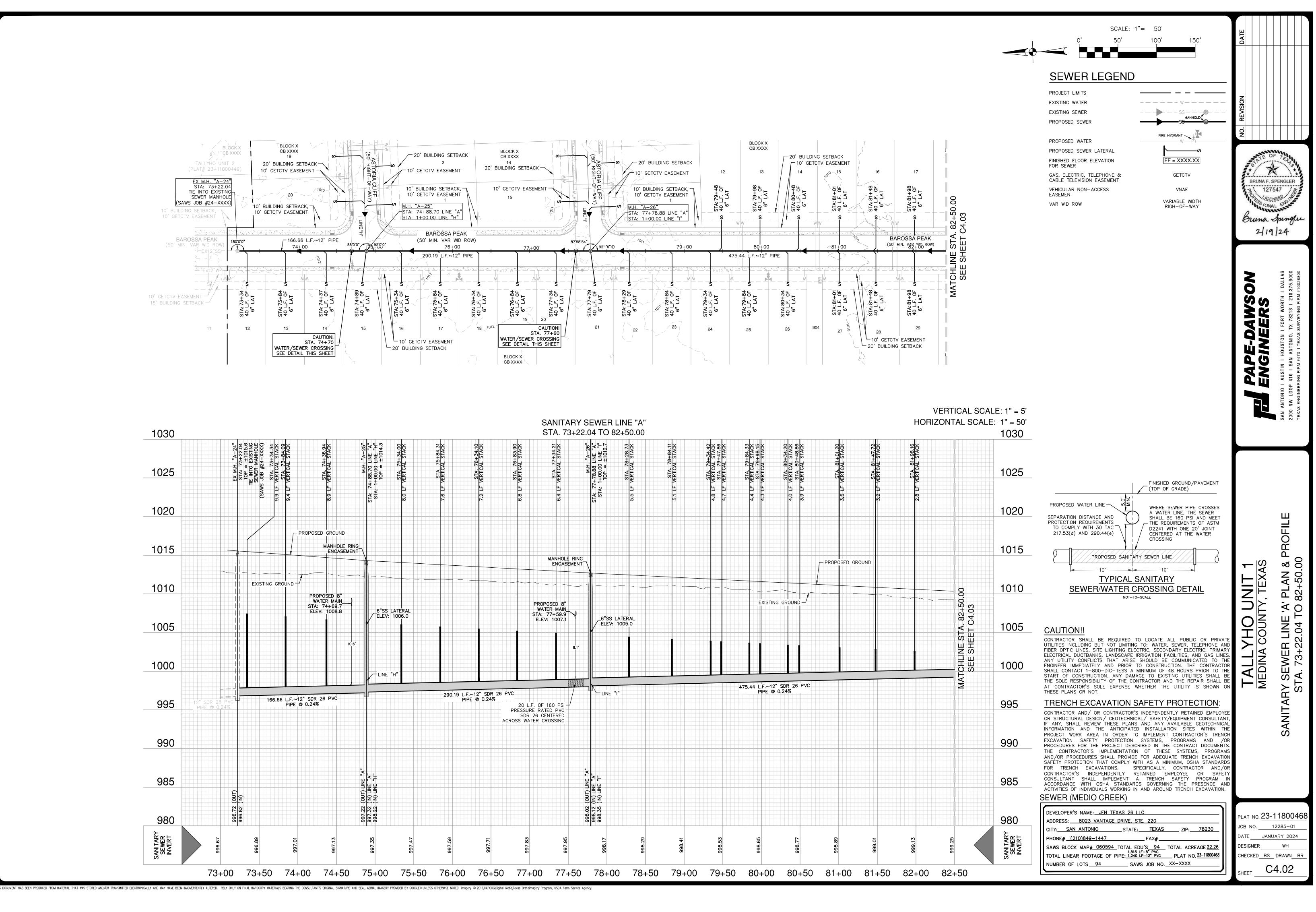


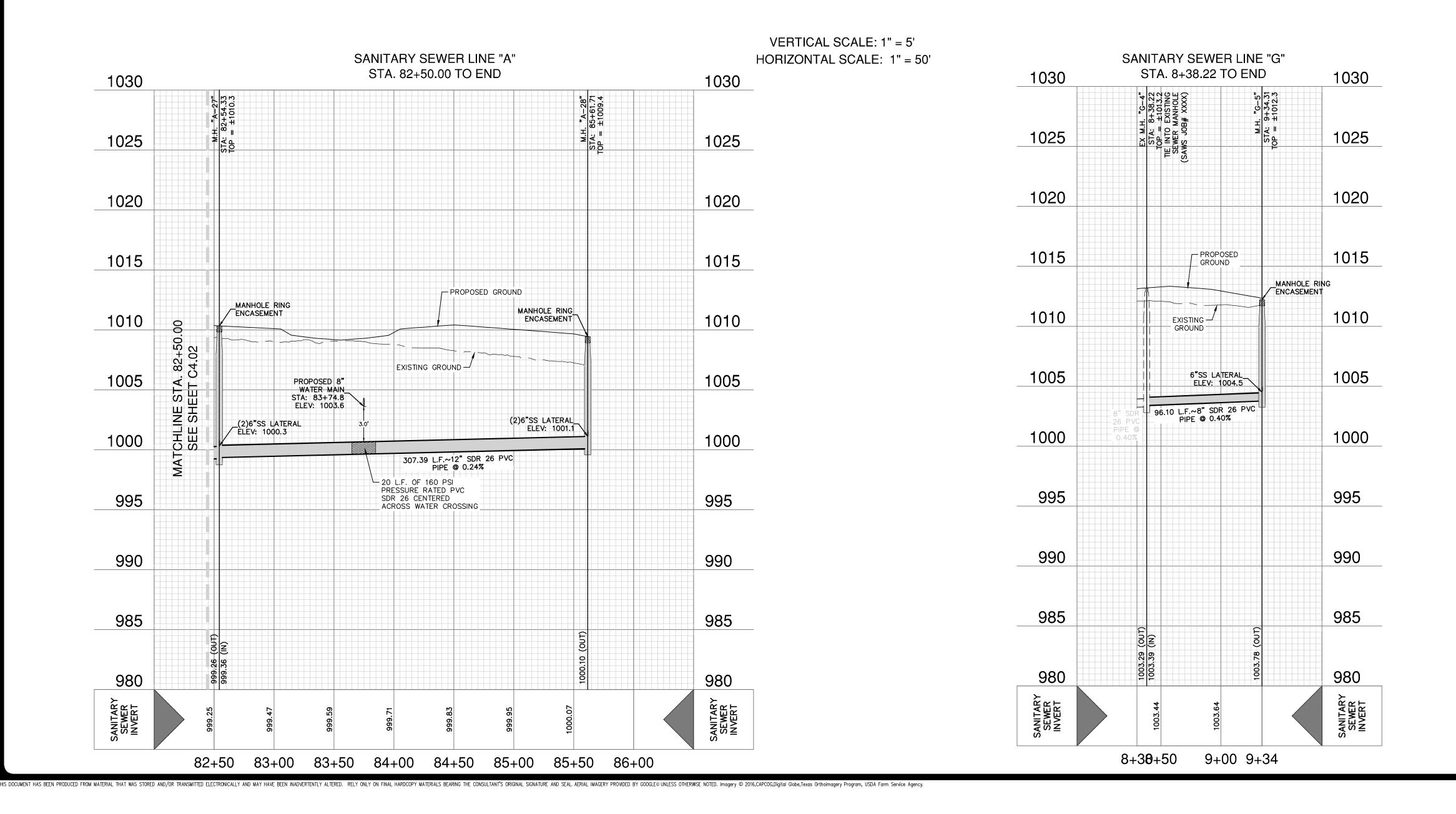


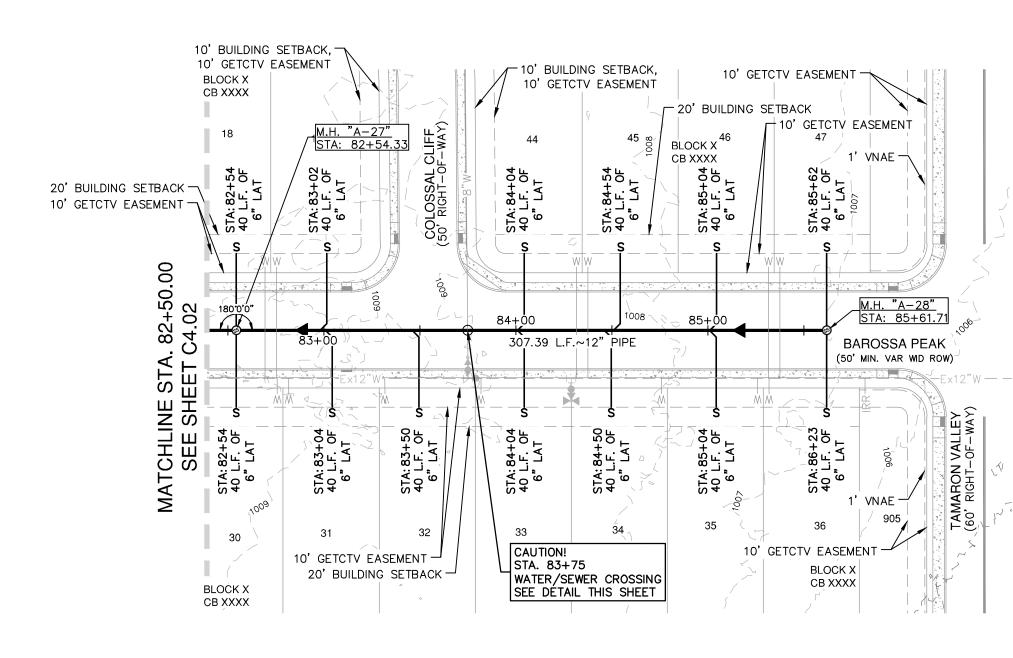


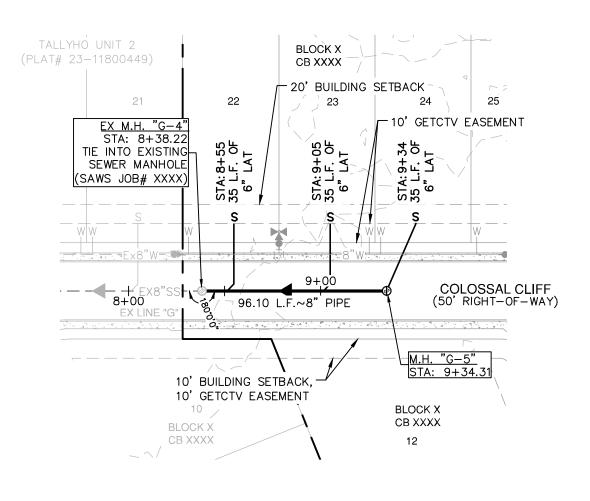


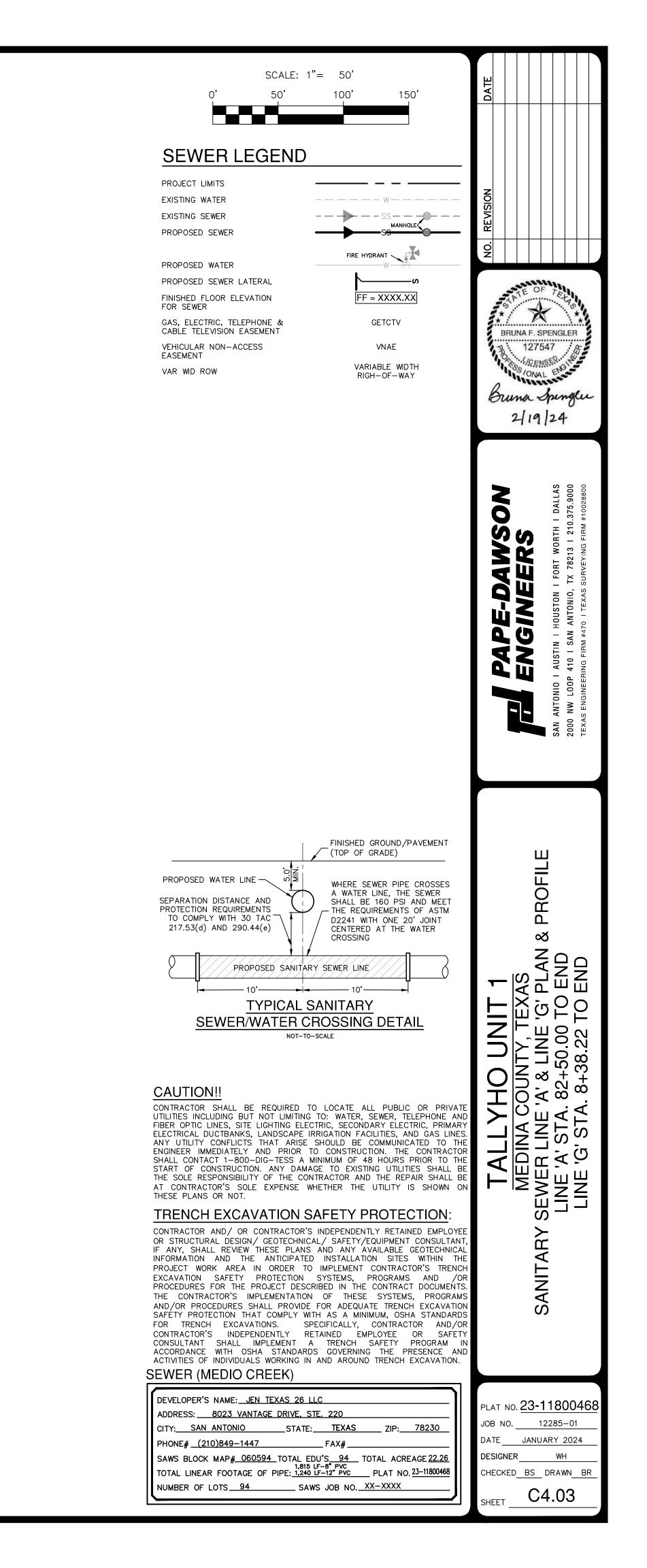


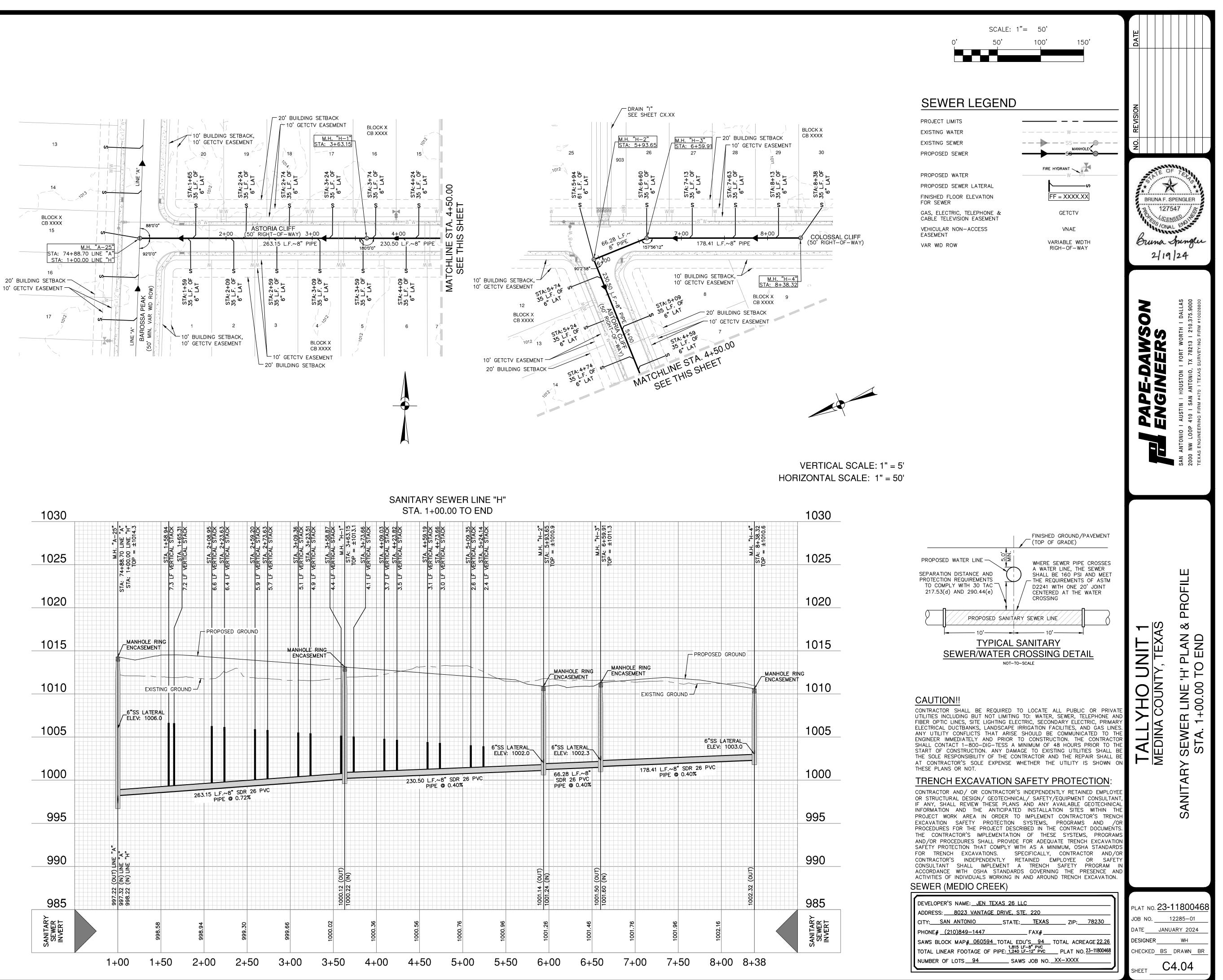


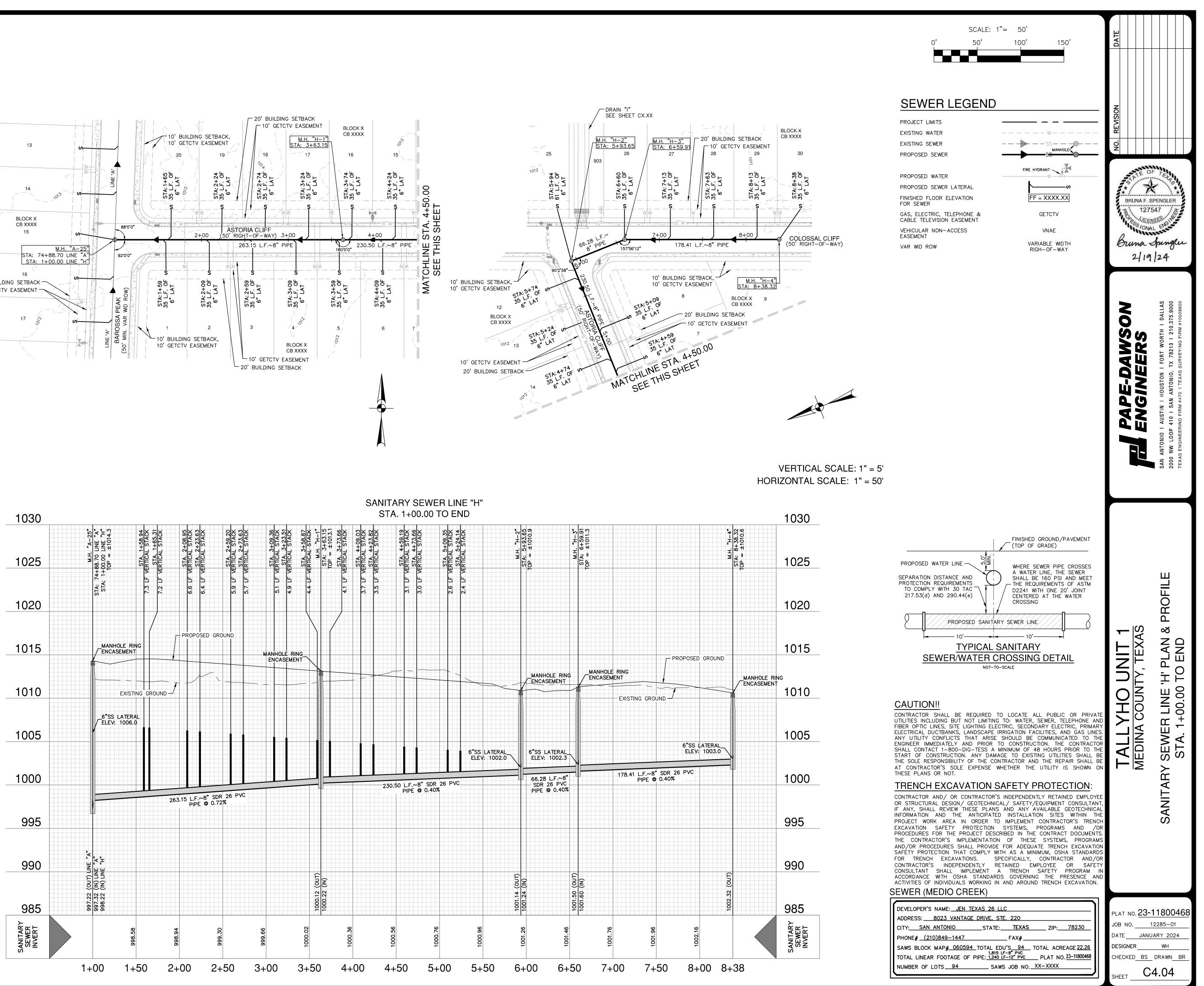




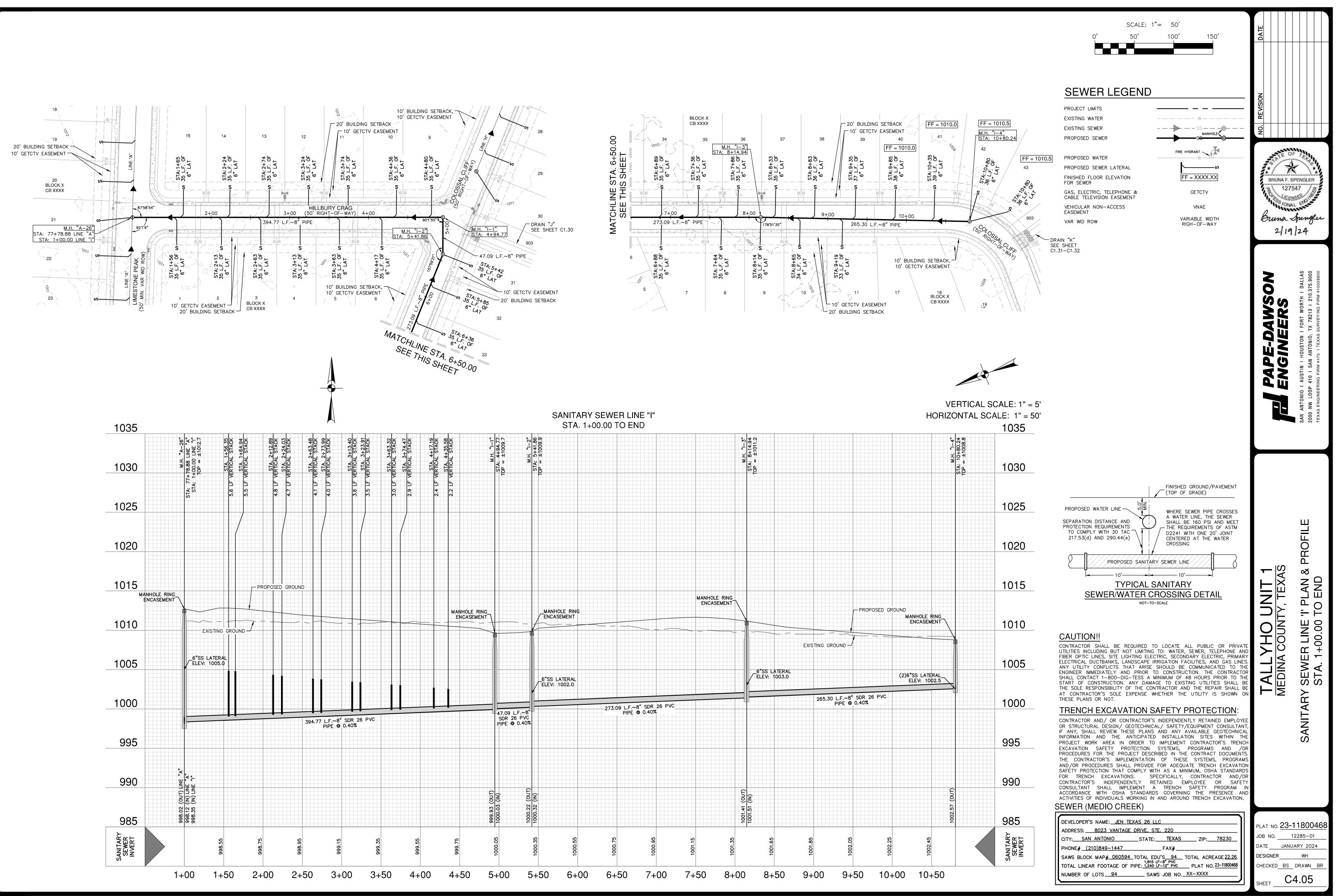




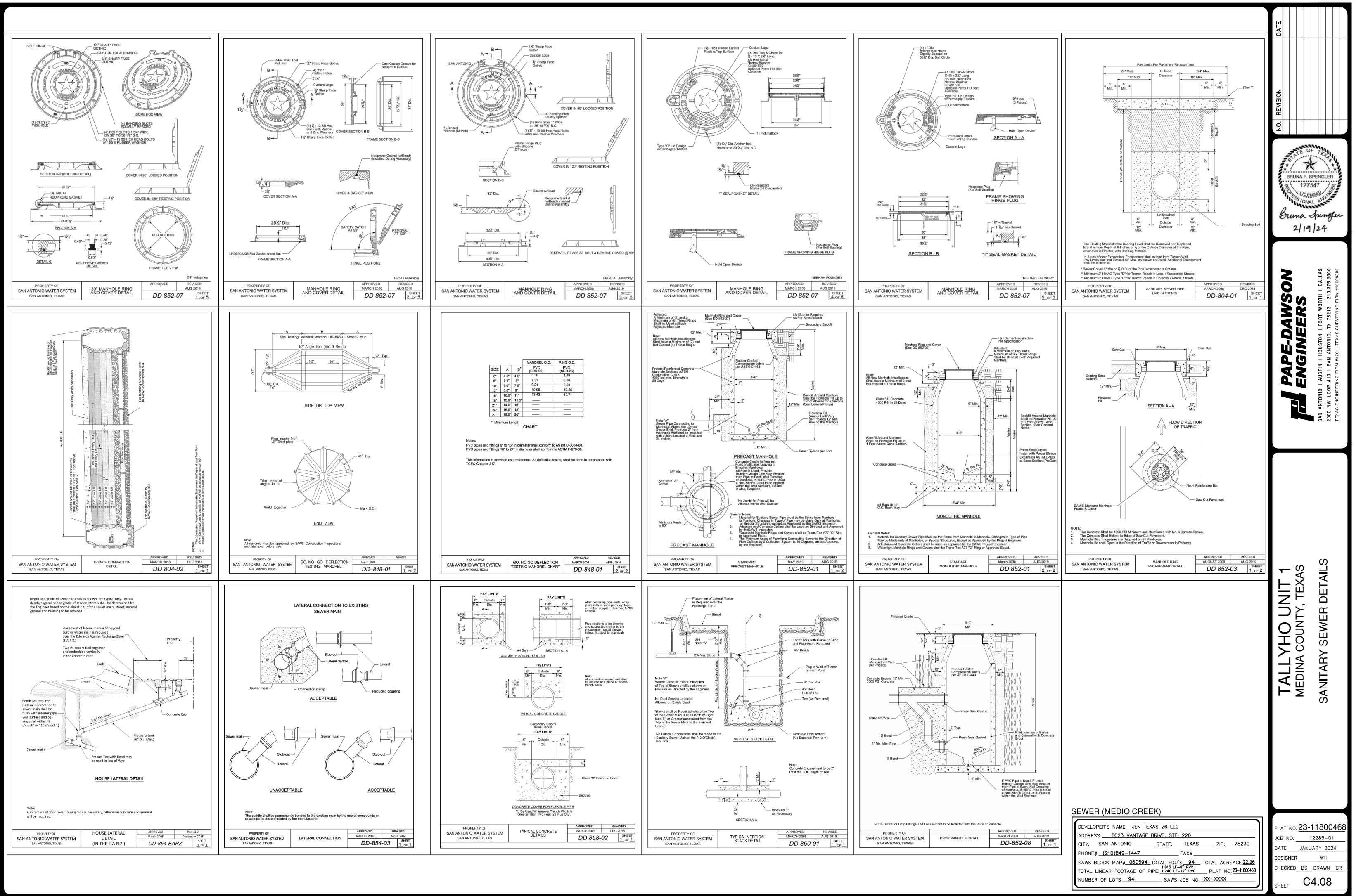


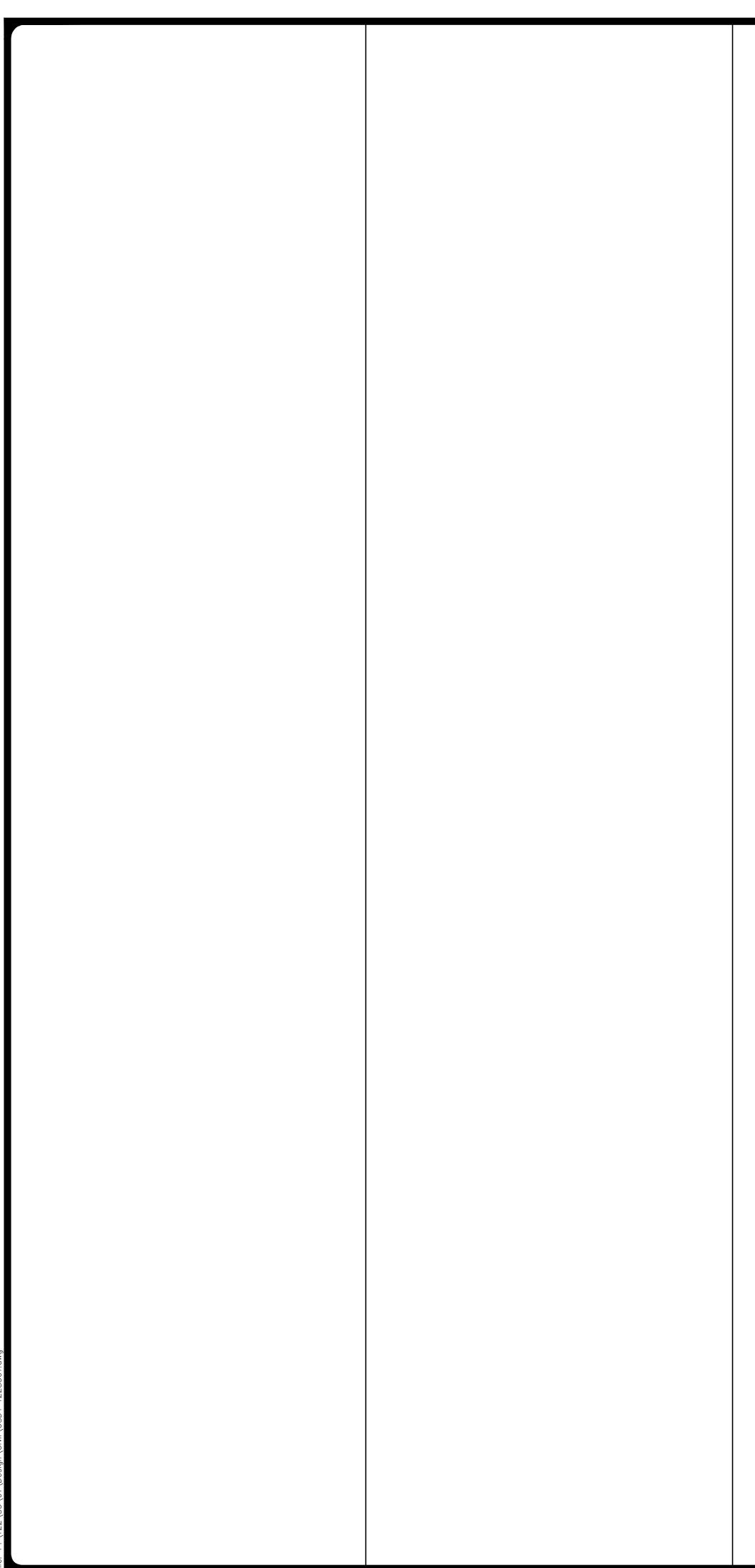


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	SAWS CONSTRUCTION NOT (LAST REVISED JANUARY 2022)
<u>SA'</u>	WS GENERAL SECTION
	ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDI FOLLOWING AS APPLICABLE:
	 A. CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALIT CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND S WATER", TAC TITLE 30 PART 1 CHAPTER 290. B. CURRENT TXDOT "STANDARD SPECIFICATIONS FOR CO HIGHWAYS, STREETS AND DRAINAGE". C. CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SP WATER AND SANITARY SEWER CONSTRUCTION". D. CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICAT WORKS CONSTRUCTION". E. CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION C (UECM).
T C S A R C	THE CONTRACTOR SHALL NOT PROCEED WITH ANY PIPE INSTA THEY OBTAIN A COPY OF THE APPROVED COUNTER P CONSTRUCTION PERMIT (GCP) FROM THE CONSULTANT AND HA SAWS CONSTRUCTION INSPECTION DIVISION TO PROCEED WITH ARRANGED A MEETING WITH THE INSPECTOR AND CONSULT REQUIREMENTS. WORK COMPLETED BY THE CONTRACTOR WIT COUNTER PERMIT AND/OR A GCP WILL BE SUBJECT REPLACEMENT AT THE EXPENSE OF THE CONTRACTORS AND/OF
3. Т М	THE CONTRACTOR SHALL OBTAIN THE SAWS STANDARD DETA WEBSITE, HTTP://WWW.SAWS.ORG/BUSINESS_CENTER/SPECS. NOTED WITHIN THE DESIGN PLANS.
4. T IN (THE CONTRACTOR IS TO MAKE ARRANGEMENTS WITH THE INSPECTION DIVISION AT (210) 233–2973, ON NOTIFICATION PROCEDURES THAT WILL E AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 48 BEGINNING ANY WORK.
T D C U	LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICE I THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTI DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEA CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPON UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AN DURING CONSTRUCTION AT NO COST TO SAWS.
6. T A W L	THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UN AND DRAINAGE STRUCTURES AT LEAST 1–2 WEEKS PRIOF WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 LOCATES REQUESTING PIPE LOCATION MARKERS ON SA FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICA
	 SAWS UTILITY LOCATES: HTTP: //WWW.SAWS.ORG/SERVICE/ COSA DRAINAGE (210) 207-0724 OR (210) 207-6026 COSA TRAFFIC SIGNAL OPERATIONS (210) 206-8480 COSA TRAFFIC SIGNAL DAMAGES (210) 207-3951 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005
	THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORIN CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND ORIGINAL OR BETTER CONDITION IF DAMAGES ARE MADE AS PROJECT'S CONSTRUCTION.
C	ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION (TXI COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANC CONSTRUCTION SPECIFICATIONS AND PERMIT REQUIREMENTS.
	THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATIN
	THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIAL FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD
S	HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERI SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.
С	WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY T CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQU REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.
	ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDA' APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER I
M P B S L	COMPACTION NOTE (ITEM 804): THE CONTRACTOR SHALL E MEETING THE COMPACTION REQUIREMENTS ON ALL TRENCH PAYING FOR THE TESTS PERFORMED BY A THIRD PARTY. CON BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED, OR A SAWS INSPECTOR AND/OR THE TEST ADMINISTRATOR, PER E LIFT PER 400 LINEAR FEET AT A MINIMUM. THIS PROJECT WI
P 13. A	AND FINALIZED BY SAWS WITHOUT THIS REQUIREMENT BEING N PROVIDING ALL NECESSARY DOCUMENTED TEST RESULTS. A COPY OF ALL TESTING REPORTS SHALL BE FORWARDED TO
11	INSPECTION DIVISION.

CTION NOTES UARY 2022)

CEDURES WITHIN THE SCOPE OF THIS AN ANTONIO WATER SYSTEM (SAWS) AND GENERAL CONDITIONS AND WITH THE

RONMENTAL QUALITY (TCEQ) 'DESIGN SYSTEM", TEXAS ADMINISTRATIVE APTER 217 AND 'PUBLIC DRINKING FICATIONS FOR CONSTRUCTION OF TEM STANDARD SPECIFICATIONS FOR ANDARD SPECIFICATIONS FOR PUBLIC

LITY EXCAVATION CRITERIA MANUAL"

ITH ANY PIPE INSTALLATION WORK UNTIL OVED COUNTER PERMIT OR GENERAL NSULTANT AND HAS BEEN NOTIFIED BY TO PROCEED WITH THE WORK AND HAS OR AND CONSULTANT FOR THE WORK CONTRACTOR WITHOUT AN APPROVED BE SUBJECT TO REMOVAL AND NTRACTORS AND/OR THE DEVELOPER.

S STANDARD DETAILS FROM THE SAWS _CENTER/SPECS. UNLESS OTHERWISE

URES THAT WILL BE USED TO NOTIFY OPERTY OWNERS 48 HOURS PRIOR TO

ES AND SERVICE LATERALS SHOWN ON APPROXIMATE. ACTUAL LOCATIONS AND CONTRACTOR AT LEAST 1 WEEK PRIOR TO TRACTOR'S RESPONSIBILITY TO LOCATE CONSTRUCTION AND TO PROTECT THEM

LOCATION OF UNDERGROUND UTILITIES -2 WEEKS PRIOR TO CONSTRUCTION E ALLOW UP TO 7 BUSINESS DAYS FOR MARKERS ON SAWS FACILITIES. THE PLIED FOR VERIFICATION PURPOSES:

SAWS.ORG/SERVICE/LOCATES

1-800-545-6005 OR 811

_E FOR RESTORING EXISTING FENCES, ANDSCAPING AND STRUCTURES TO ITS GES ARE MADE AS A RESULT OF THE

ANSPORTATION (TXDOT) AND/OR BEXAR IN ACCORDANCE WITH RESPECTIVE REQUIREMENTS.

CITY OF SAN ANTONIO OR OTHER S WHEN EXCAVATING NEAR TREES. WASTE MATERIALS IN THE 100-YEAR

APPROVED FLOOD PLAIN PERMIT.

UIRED TO NOTIFY THE SAWS INSPECTION ADVANCE TO REQUEST WEEKEND WORK. EQ@SAWS.ORG.

D WITHOUT HOLIDAY/WEEKEND ERED FOR PROPER INSPECTION.

TRACTOR SHALL BE RESPONSIBLE FOR ON ALL TRENCH BACKFILL AND FOR THIRD PARTY. COMPACTION TESTS WILL LY SELECTED, OR AS INDICATED BY THE INISTRATOR, PER EACH 12-INCH LOOSE THIS PROJECT WILL NOT BE ACCEPTED QUIREMENT BEING MET AND VERIFIED BY 5. ST RESULTS.

BE FORWARDED TO SAWS CONSTRUCTION

SAWS SEWER NOTES

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOW (SSO) OCCURS AS A RESULT OF THEIR WORK. ALL CONTRACTOR PERSONNEL RESPONSIBLE FOR SSO PREVENTION AND CONTROL SHALL BE TRAINED ON PROPER RESPONSE. SHOULD AN SSO OCCUR, THE CONTRACTOR SHALL:

A. IDENTIFY THE SOURCE OF THE SSO AND NOTIFY SAWS EMERGENCY OPERATIONS CENTER (EOC) IMMEDIATELY AT (210) 233-2014. PROVIDE THE ADDRESS OF THE SPILL AND AN ESTIMATED VOLUME OR FLOW. B.ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.

- C.CONTAIN SEWAGE FROM THE SSO TO THE EXTENT OF PREVENTING A POSSIBLE CONTAMINATION OF WATERWAYS. D.CLEAN UP SPILL SITE (RETURN CONTAINED SEWAGE TO THE
- COLLECTION SYSTEM IF POSSIBLE) AND PROPERLY DISPOSE OF CONTAMINATED SOIL/MATERIALS.
- E.CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS. F.MEET ALL POST-SSO REQUIREMENTS AS PER THE EPA CONSENT DECREE, INCLUDING LINE CLEANING AND TELEVISING THE AFFECTED SEWER MAINS (AT SAWS DIRECTION) WITHIN 24 HOURS.

SHOULD THE CONTRACTOR FAIL TO ADDRESS AN SSO IMMEDIATELY AND TO SAWS SATISFACTION, THEY WILL BE RESPONSIBLE FOR ALL COSTS INCURRED BY SAWS, INCLUDING ANY FINES FROM EPA, TCEQ AND/OR ANY OTHER FEDERAL, STATE OR LOCAL AGENCIES.

NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TCEQ AND SAWS.

- EMENTS WITH THE SAWS CONSTRUCTION 2. IF BYPASS PUMPING IS REQUIRED, THE CONTRACTOR SHALL PERFORM SUCH WORK IN ACCORDANCE WITH SAWS STANDARD SPECIFICATION FOR WATER AND SANITARY SEWER CONSTRUCTION, ITEM NO. 864, "BYPASS PUMPING".
 - PRIOR TO TIE-INS. ANY SHUTDOWNS OF EXISTING FORCE MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT (210) 233-2973 AT LEAST ONE WEEK IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
 - SEWER PIPE WHERE WATER LINE CROSSES SHALL BE 160 PSI AND MEET THE REQUIREMENTS OF ASTM D2241, TAC 217.53 AND TCEQ 290.44(E)(4)(B). CONTRACTOR SHALL CENTER A 20' JOINT OF 160 PSI PRESSURE RATED PVC AT THE PROPOSED WATER CROSSING.
 - ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR TOP OF MANHOLES TO MATCH THE FINISHED GRADE OF THE PROJECT'S IMPROVEMENTS. (NSPI)
 - 6. SPILLS, OVERFLOWS, OR DISCHARGES OF WASTEWATER: ALL SPILLS, OVERFLOWS, OR DISCHARGES OF WASTEWATER, RECYCLED WATER, PETROLEUM PRODUCTS, OR CHEMICALS MUST BE REPORTED IMMEDIATELY TO THE SAWS INSPECTOR ASSIGNED TO THE COUNTER PERMIT OR GENERAL CONSTRUCTION PERMIT (GCP). THIS REQUIREMENT APPLIES TO EVERY SPILL, OVERFLOW, OR DISCHARGE RÉGARDLESS OF SIZE.
 - MANHOLE AND ALL PIPE TESTING (INCLUDING THE TV INSPECTION) MUST BE PERFORMED AND PASSED PRIOR TO FINAL FIELD ACCEPTANCE BY SAWS CONSTRUCTION INSPECTION DIVISION, AS PER THE SAWS SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.
 - 8. ALL PVC PIPE OVER 14 FEET OF COVER SHALL BE EXTRA STRENGTH WITH MINIMUM PIPE STIFFNESS OF 115 PSI.

ALLOWED TO PERFORM SAWS WORK ON | PROJECT SEWER NOTES

- ALL RESIDENTIAL SEWER SERVICE LATERALS ARE 6" DIA. AND SHALL BE EXTENDED TO 10' PAST THE PROPERTY LINE AND CAPPED AND SEALED. CONTRACTOR SHALL INSTALL A 2" X 4" STAKE, FOUR (4) FEET LONG, TWO (2) FEET DEEP INTO THE GROUND AT THE END OF EACH SERVICE. NO SEPARATE PAY ITEM.
- CONTRACTOR TO INSTALL CLEANOUTS AT THE END OF ALL SEWER LATERALS, PER LATERAL DETAIL SHEET C4.08. 3. NO VERTICAL STACKS ALLOWED FOR ANY LOTS UNLESS OTHERWISE
- SPECIFIED BY THE ENGINEER.
- . ALL 6" SEWER LATERALS WILL BE SET AT 2% GRADE FROM THE MAIN TO THE PROPERTY LINE. . WHEN HORIZONTAL DISTANCE BETWEEN SEWER PIPES AND WATER MAIN IS
- LESS THAN 9 FOOT OF SEPARATION, SEWER MAIN SHALL BE INSTALLED WITH 150 PSI (MIN) PRESSURE PIPE AND FITTINGS IN ACCORDANCE WITH SAWS CONSTRUCTION CRITERIA FOR CONSTRUCTION OF SEWER MAINS IN THE VICINITY OF WATER MAINS.
- 5. CONTRACTOR SHALL ENSURE THAT MANHOLES OUTSIDE OF PAVED AREAS ARE SET WITH TOP ELEVATIONS 6" ABOVE FINISHED GRADE WITH CONCRETE RING ENCASEMENT.
- 7. ALL SEWER PIPES SHALL BE 8" PVC (SDR 26), UNLESS OTHERWISE NOTED. 8. CONTRACTOR IS TO VERIFY EXISTING INVERT OF EXISTING SANITARY SEWER MAINS AND ALERT ENGINEER IMMEDIATELY OF ANY DIFFERENCE FROM
- INVERT SHOWN ON PLANS. 9. CONTRACTOR SHALL PROTECT ALL EXISTING FENCES. ANY FENCE DAMAGED
- BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE. 10. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON THE
- PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY SIZE, GRADE, AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.
- I. CONCRETE RING ENCASEMENT TO BE INSTALLED ON ALL MANHOLES AND, WITHIN LIMITS OF PAVEMENT, BE INSTALLED TO THE TOP OF THE BASE LAYER WITH A MINIMUM OF 2" OF ASPHALT ON TOP OF THE RING ENCASEMENT.
- 12. MANHOLE OPENING INCREASED TO 30" AS PER TAC CHAPTER 217.55.
- 13. ALL SEWER PIPE LATERALS SHALL BE SDR 26 (CLASS 160) PVC PIPE.
- 14. IF THE GIVEN TOP OF MANHOLE ELEVATION DOES NOT AGREE ON ACTUAL GROUND SURFACE OR FINISH PAVEMENT, THE CONTRACTOR SHALL ADJUST ELEVATIONS SUCH THAT THE TOP OF MANHOLE SHALL BE 0.5' ABOVE EXISTING GROUND, OR FLUSH TO FINISH ASPHALT PAVEMENT.
- 15. ALL MANHOLES CONSTRUCTED OVER THE EDWARDS AQUIFER RECHARGE ZONE SHOULD BE WATERTIGHT.

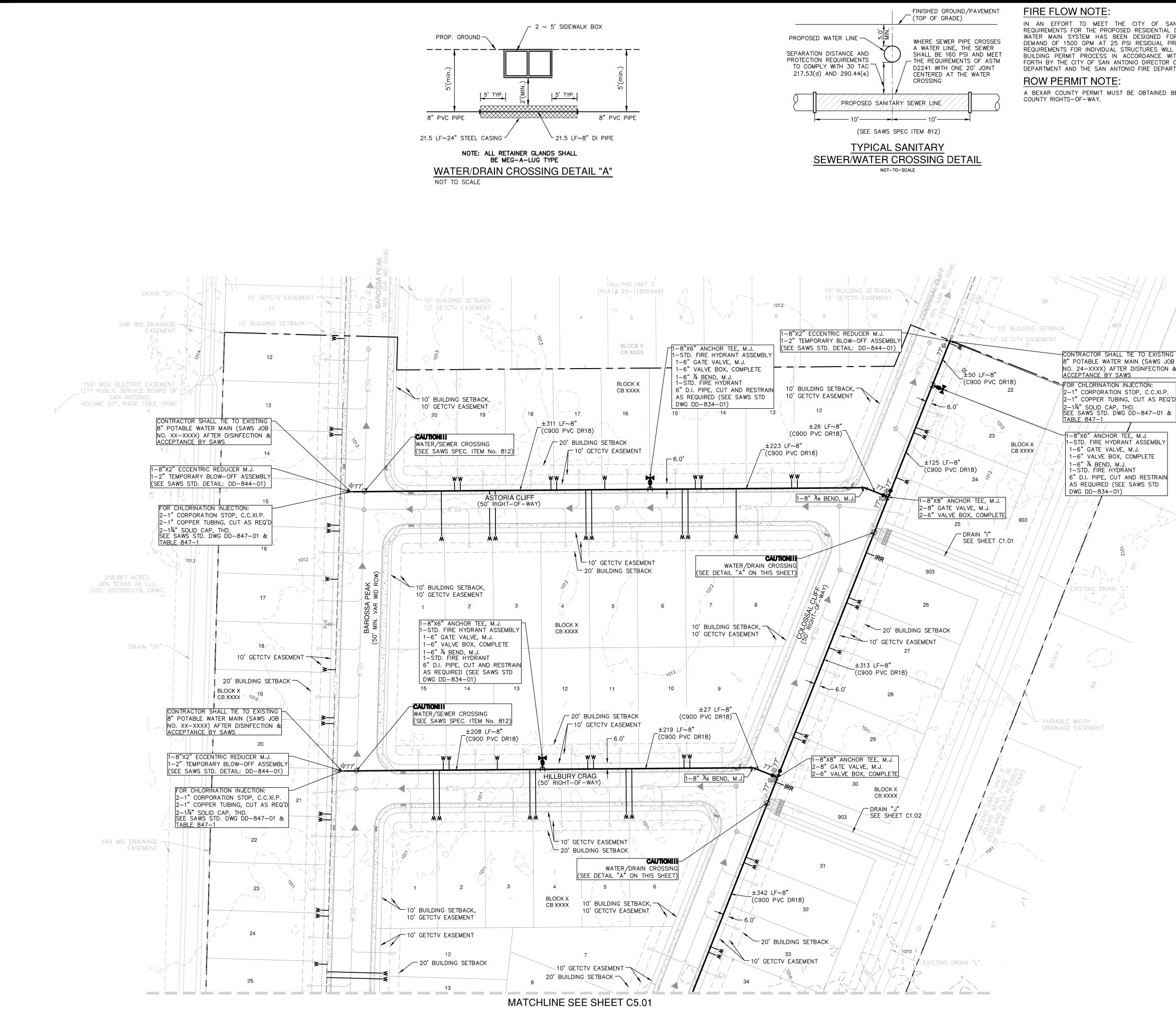
SEWER (MEDIO CREEK)

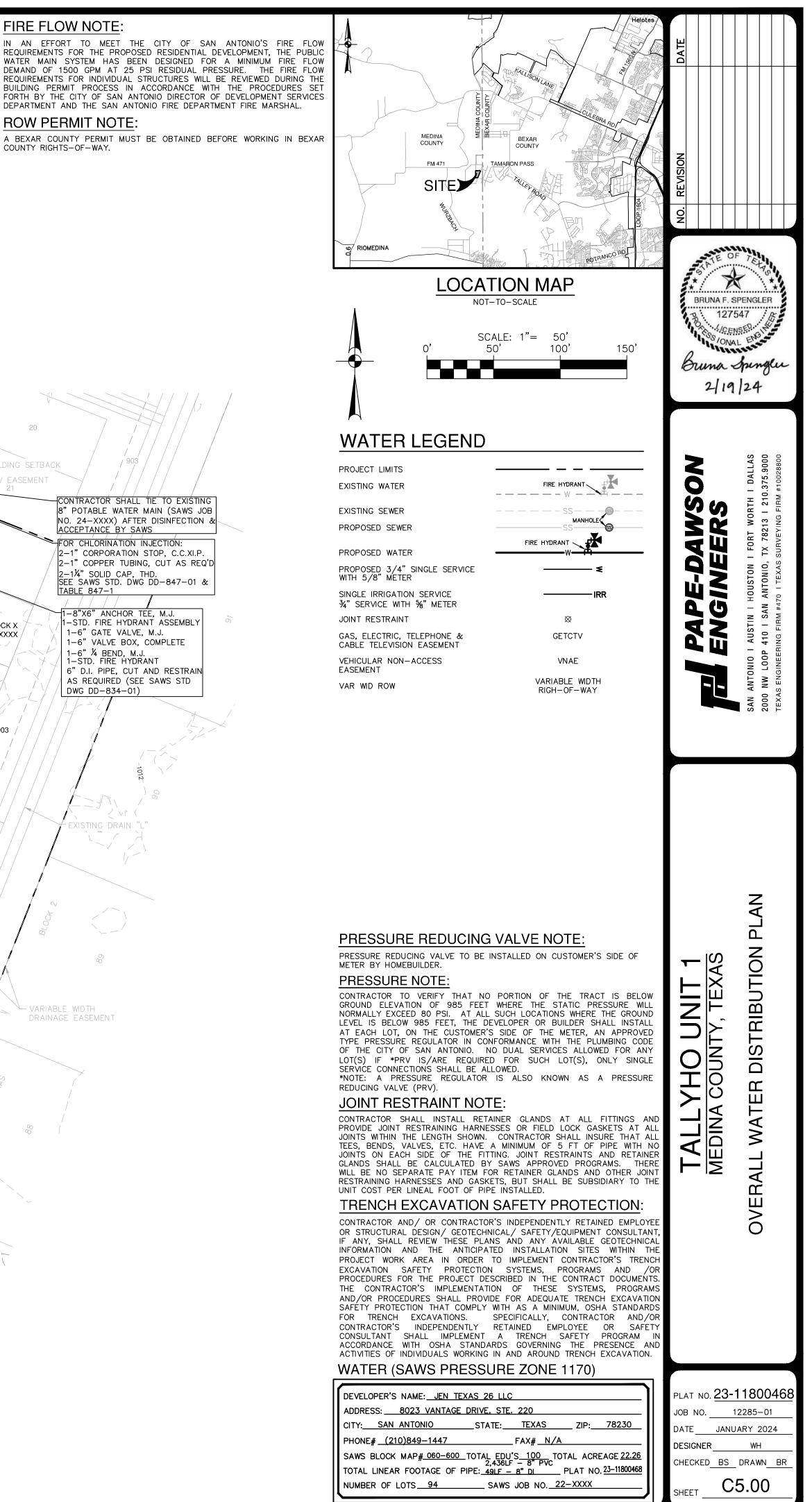
DEVELOPER'S NAME: JEN TEXAS 26 LLC ADDRESS: 8023 VANTAGE DRIVE, STE. 220 CITY: SAN ANTONIO STATE: TEXAS ZIP: 78230 PHONE# (210)849-1447 ____ FAX# __ SAWS BLOCK MAP#<u>060594</u>TOTAL EDU'S<u>94</u>TOTAL ACREAGE<u>22.26</u> 1,815 LF-8" PVC TOTAL LINEAR FOOTAGE OF PIPE: <u>1,240 LF-12" PVC</u>PLAT NO. <u>23-11800468</u> _ SAWS JOB NO. XX-XXXX NUMBER OF LOTS <u>94</u>

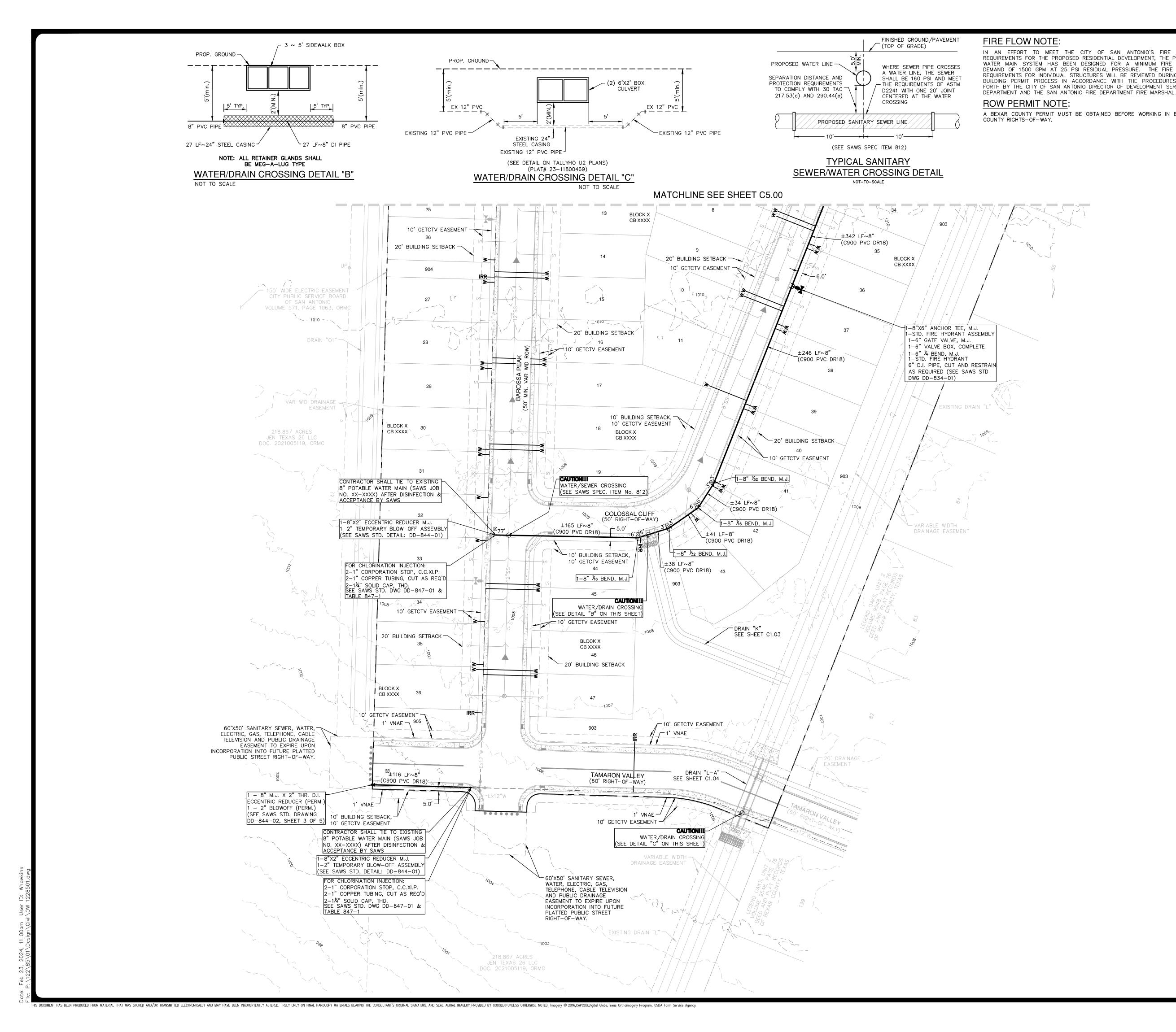
DULA F. SPENGLER BRUNA F. SPENGLER 127547 BRUNA F. SPENGLER
TEXAS ENGINEERS IN ANTONIO I AUSTIN I HOUSTON I FORT WORTH I DALLAS 2000 NW LOOP 410 I SAN ANTONIO, TX 78213 I 210.375.9000 TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800
TALLYHO UNIT 1 MEDINA COUNTY, TEXAS SANITARY SEWER NOTES
PLAT NO. 23-11800468 JOB NO. <u>12285–01</u> DATE JANUARY 2024 DESIGNER WH CHECKED BS DRAWN BR

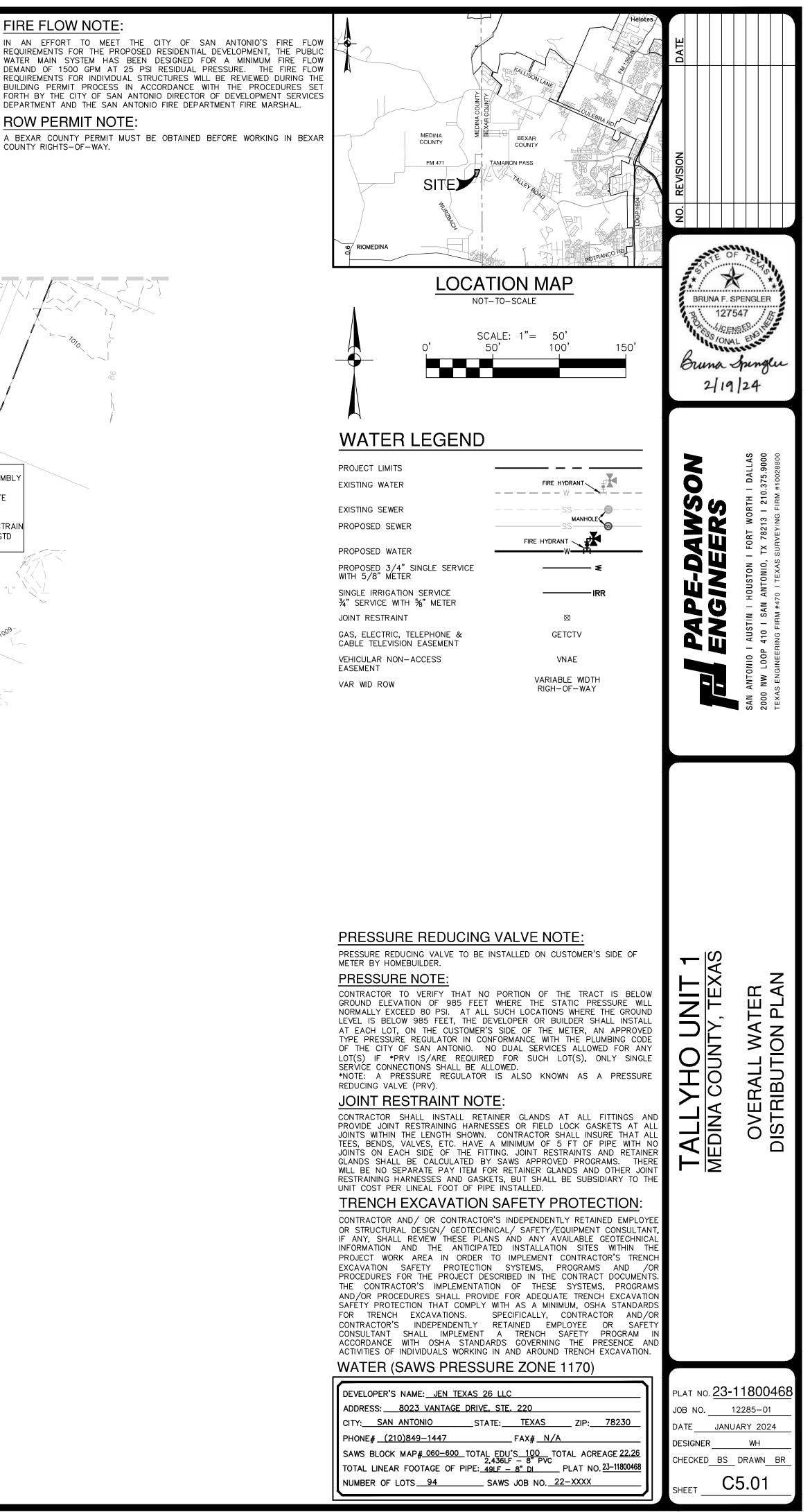
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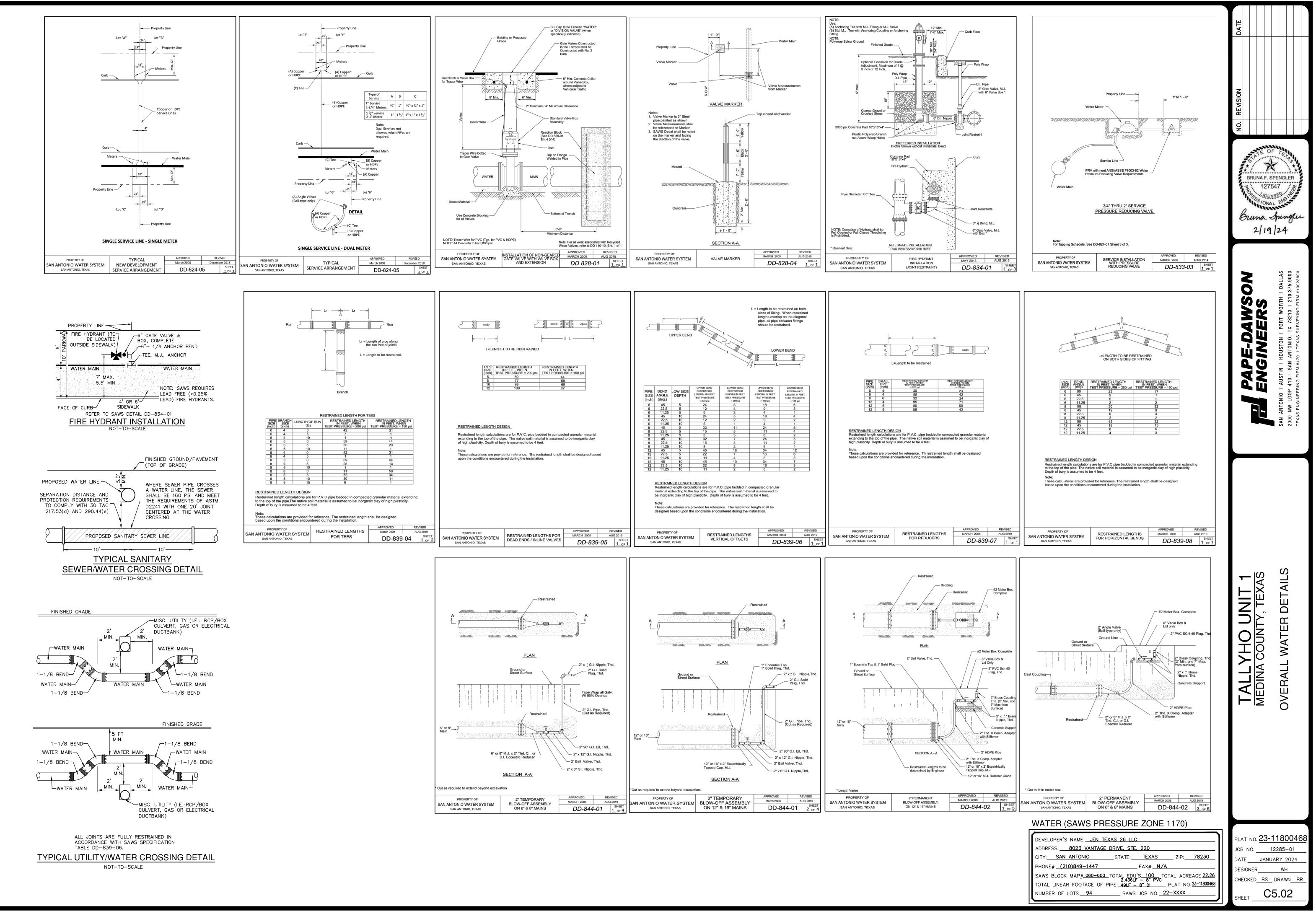
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IS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL AERIAL IMAGERY PROVIDED BY GOOGLE® UNLESS OTHERWISE NOTED. Imagery © 2016, CAPCOG, Digital Globe, Texas Orthoimagery Program, USDA Farm Service Agency.

SAWS CONSTRUCTION NOTES	
(LAST REVISED JANUARY 2022)	

	(LAST REVISED JANUARY 2022)		
<u>S/</u>	AWS GENERAL SECTION	<u>S</u> /	AWS WATE
1.	ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER SYSTEM (SAWS) AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:	1.	BE COORDINATED LEAST ONE WEEP ALSO PROVIDE A
	 A. CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) 'DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND 'PUBLIC DRINKING WATER", TAC TITLE 30 PART 1 CHAPTER 290. B. CURRENT TXDOT 'STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE". C. CURRENT 'SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION". D. CURRENT CITY OF SAN ANTONIO 'STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION". E. CURRENT CITY OF SAN ANTONIO 'UTILITY EXCAVATION CRITERIA MANUAL" (UECM). 	2.	AT NO ADDITION RESPONSIBILITY ACCORDINGLY. • FOR WATER CENTER (210 ASBESTOS CEMEI KNOWN TO CON LOCATED WITHIN PROCEDURES ANI WHEN REMOVAL IS TO BE MADE
2.	THE CONTRACTOR SHALL NOT PROCEED WITH ANY PIPE INSTALLATION WORK UNTIL THEY OBTAIN A COPY OF THE APPROVED COUNTER PERMIT OR GENERAL CONSTRUCTION PERMIT (GCP) FROM THE CONSULTANT AND HAS BEEN NOTIFIED BY SAWS CONSTRUCTION INSPECTION DIVISION TO PROCEED WITH THE WORK AND HAS ARRANGED A MEETING WITH THE INSPECTOR AND CONSULTANT FOR THE WORK REQUIREMENTS. WORK COMPLETED BY THE CONTRACTOR WITHOUT AN APPROVED COUNTER PERMIT AND/OR A GCP WILL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE EXPENSE OF THE CONTRACTORS AND/OR THE DEVELOPER.		SPECIFICATION FO VALVE REMOVAL: THE CONTROL V REMOVED AND RE SUITABLE ANCHO
3.	THE CONTRACTOR SHALL OBTAIN THE SAWS STANDARD DETAILS FROM THE SAWS WEBSITE, HTTP://WWW.SAWS.ORG/BUSINESS_CENTER/SPECS. UNLESS OTHERWISE NOTED WITHIN THE DESIGN PLANS.		PROVIDED AT ALI CAPS, TEES, CR STANDARD DRAW STANDARD SPECI
4.	THE CONTRACTOR IS TO MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT (210) 233-2973, ON NOTIFICATION PROCEDURES THAT WILL BE USED TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 48 HOURS PRIOR TO BEGINNING ANY WORK.		ALL VALVES SHA PRVS REQUIRED: IS BELOW GROUN WILL NORMALLY E GROUND LEVEL IS
5.	LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST 1 WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.		INSTALL AT EACH APPROVED TYPE PLUMBING CODE ALLOWED FOR AN ONLY SINGLE SEF PRESSURE REGUL (PRV).
6.	THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1–2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS FACILITIES. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES: • SAWS UTILITY LOCATES: HTTP://WWW.SAWS.ORG/SERVICE/LOCATES • COSA DRAINAGE (210) 207–0724 OR (210) 207–6026	7.	PIPE DISINFECTIC FEET. (ITEM N WHERE SHOWN INSPECTOR, AND METHOD OF DISIN CONTRACTOR SI PROTECT HIS PER
	 COSA TRAFFIC SIGNAL OPERATIONS (210) 206-8480 COSA TRAFFIC SIGNAL DAMAGES (210) 207-3951 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005 OR 811 	8.	BACKFLOW PREVE
7.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION IF DAMAGES ARE MADE AS A RESULT OF THE PROJECT'S CONSTRUCTION.		 ALL IRRIGATI HAVE BACKF ALL COMMER BY SAWS PR
8.	ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) AND/OR BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT REQUIREMENTS.	9.	FINAL CONNECTION UNTIL THE WATE SAWS HAS RELEA
	THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.		DIVISION VALVES PLANS BUT FOU DISTRIBUTION AN APPROVAL OF TI
10.	THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR		PROPER COORDIN

. HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.

FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN PERMIT.

WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY THE SAWS INSPECTION CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST WEEKEND WORK. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.

ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDAY/WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION.

- 12. COMPACTION NOTE (ITEM 804): THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE COMPACTION REQUIREMENTS ON ALL TRENCH BACKFILL AND FOR PAYING FOR THE TESTS PERFORMED BY A THIRD PARTY. COMPACTION TESTS WILL BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED, OR AS INDICATED BY THE SAWS INSPECTOR AND/OR THE TEST ADMINISTRATOR, PER EACH 12-INCH LOOSE LIFT PER 400 LINEAR FEET AT A MINIMUM. THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY SAWS WITHOUT THIS REQUIREMENT BEING MET AND VERIFIED BY PROVIDING ALL NECESSARY DOCUMENTED TEST RESULTS.
- 13. A COPY OF ALL TESTING REPORTS SHALL BE FORWARDED TO SAWS CONSTRUCTION INSPECTION DIVISION.

R NOTES

- 10) 233–2014
- ENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS NTAIN ASBESTOS- CONTAINING MATERIAL (ACM), MAY BE THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT ND HEALTH AND SAFETY REQUIREMENTS WILL BE APPLICABLE AND/OR DISTURBANCE OF THIS PIPE OCCURS. SUCH WORK UNDER SPECIAL SPECIFICATION ITEM NO. 3000, "SPECIAL OR HANDLING ASBESTOS CEMENT PIPE".
- WHERE THE CONTRACTOR IS TO ABANDON A WATER MAIN, 5 VALVE LOCATED ON THE ABANDONING BRANCH WILL BE REPLACED WITH A CAP/PLUG. (NSPI)
- 6. THE LOT CORNERS WILL BE SET BY THE ENGINEER FOR INSTALLATION OF ORAGE/THRUST BLOCKING OR JOINT RESTRAINT SHALL BE WATER SERVICES. THESE LOT CORNERS SHALL BE CAREFULLY PRESERVED L OF THE FOLLOWING MAIN LOCATIONS: DEAD ENDS, PLUGS, THE CONTRACTOR SO THE METER BOXES CAN BE SET IN PHASE II. ANY ROSSES, VALVES, AND BENDS, IN ACCORDANCE WITH THE CORNER DESTROYED OR REMOVED BY THE CONTRACTOR, HIS EMPLOYEES, WINGS DD-839 SERIES AND ITEM NO. 839, IN THE SAWS BY ANY OTHER MEANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE CIFICATIONS FOR CONSTRUCTION.
- ALL READ "OPEN RIGHT".
- CONTRACTOR TO VERIFY THAT NO PORTION OF THE TRACT ND ELEVATION OF 985 FEET WHERE THE STATIC PRESSURE EXCEED 80 PSI. AT ALL SUCH LOCATIONS WHERE THE IS BELOW 985 FEET, THE DEVELOPER OR BUILDER SHALL CH LOT, ON THE CUSTOMER'S SIDE OF THE METER, AN PRESSURE REGULATOR IN CONFORMANCE WITH THE OF THE CITY OF SAN ANTONIO. NO DUAL SERVICES NY LOT(S) IF *PRV IS/ARE REQUIRED FOR SUCH LOT(S), RVICE CONNECTIONS SHALL BE ALLOWED. *NOTE: A ILATOR IS ALSO KNOWN AS A PRESSURE REDUCING VALVE
- ION WITH DRY HTH FOR PROJECTS LESS THAN 800 LINEAR NO. 847.3): MAINS SHALL BE DISINFECTED WITH DRY HTH IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE SHALL NOT EXCEED A TOTAL LENGTH OF 800 FEET. THIS NFECTION WILL ALSO BE FOLLOWED FOR MAIN REPAIRS. THE HALL UTILIZE ALL APPROPRIATE SAFETY MEASURE TO ERSONNEL DURING DISINFECTION OPERATIONS.
- /ENTION DEVICES:
- TION SERVICES WITHIN RESIDENTIAL AREAS ARE REQUIRED TO FLOW PREVENTION DEVICES. RCIAL BACKFLOW PREVENTION DEVICES MUST BE APPROVED RIOR TO INSTALLATION.
- ION TO THE EXISTING WATER MAIN SHALL NOT BE MADE | 14. SAWS REQUIRES LEAD FREE (< 0.25%) FIRE HYDRANTS. ER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED, AND ASED THE MAIN FOR TIE-IN AND USE.
- DIVISION VALVES SHOWN ON PLANS OR NOT SHOWN ON UND IN THE FIELD SHALL ONLY BE OPERATED BY SAWS ND COLLECTION STAFF AND ONLY WITH PRIOR WRITTEN HE SAWS DIRECTOR OF PRODUCTION AND OPERATIONS AND DINATION WITH ALL SAWS DEPARTMENTS. CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE INSPECTOR A MINIMUM OF TWO WEEKS IN ADVANCE TO START THE COORDINATION PROCESS AND WILL BE INFORMED BY THE INSPECTOR WHEN THE DIVISION VALVE WILL BE OPERATED BY THE SAWS DISTRIBUTION AND COLLECTION STAFF. THE DIVISION VALVE CAN ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF MEMBER NOT THE INSPECTOR OR THE CONTRACTOR. OPERATION OF A DIVISION VALVE WITHOUT THE EXPRESS PRIOR WRITTEN APPROVAL OF THE SAWS DISTRIBUTION AND COLLECTION STAFF WILL CONSTITUTE A MATERIAL BREACH OF ANY WRITTEN SAWS CONTRACT OR PERMIT IN ADDITION TO SUBJECTING THE CONTRACTOR TO LIABILITY FOR ANY AND ALL FINES, FEES, OR OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, THAT MAY ARISE FROM OR BE CAUSED BY THE OPERATION OF THE VALVE WITHOUT PRIOR WRITTEN PERMISSION. PLEASE BE INFORMED THAT THE APPROVAL OF THE OPERATION OR OPENING OR CLOSING OF A DIVISION VALVE CAN TAKE SEVERAL WEEKS FOR APPROVAL. DIVISION VALVES WILL ALSO HAVE A VALVE LID LABELED DIVISION VALVE AND A LOCKING MECHANISM INSTALLED WITH A KEY. THE LOCK AND KEY MECHANISM WILL BE PAID FOR BY THE CONTRACTOR BUT
- WILL BE INSTALLED BY SAWS DISTRIBUTION AND COLLECTION STAFF.

INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST 1. MACHINE CHLORINATION BY THE S.A.W.S. ED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT K IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS NAL COST TO SAWS OR THE PROJECT AND IT IS THE

MAINS 12" OR HIGHER: SAWS EMERGENCY OPERATIONS

PROJECT WATER NOTES

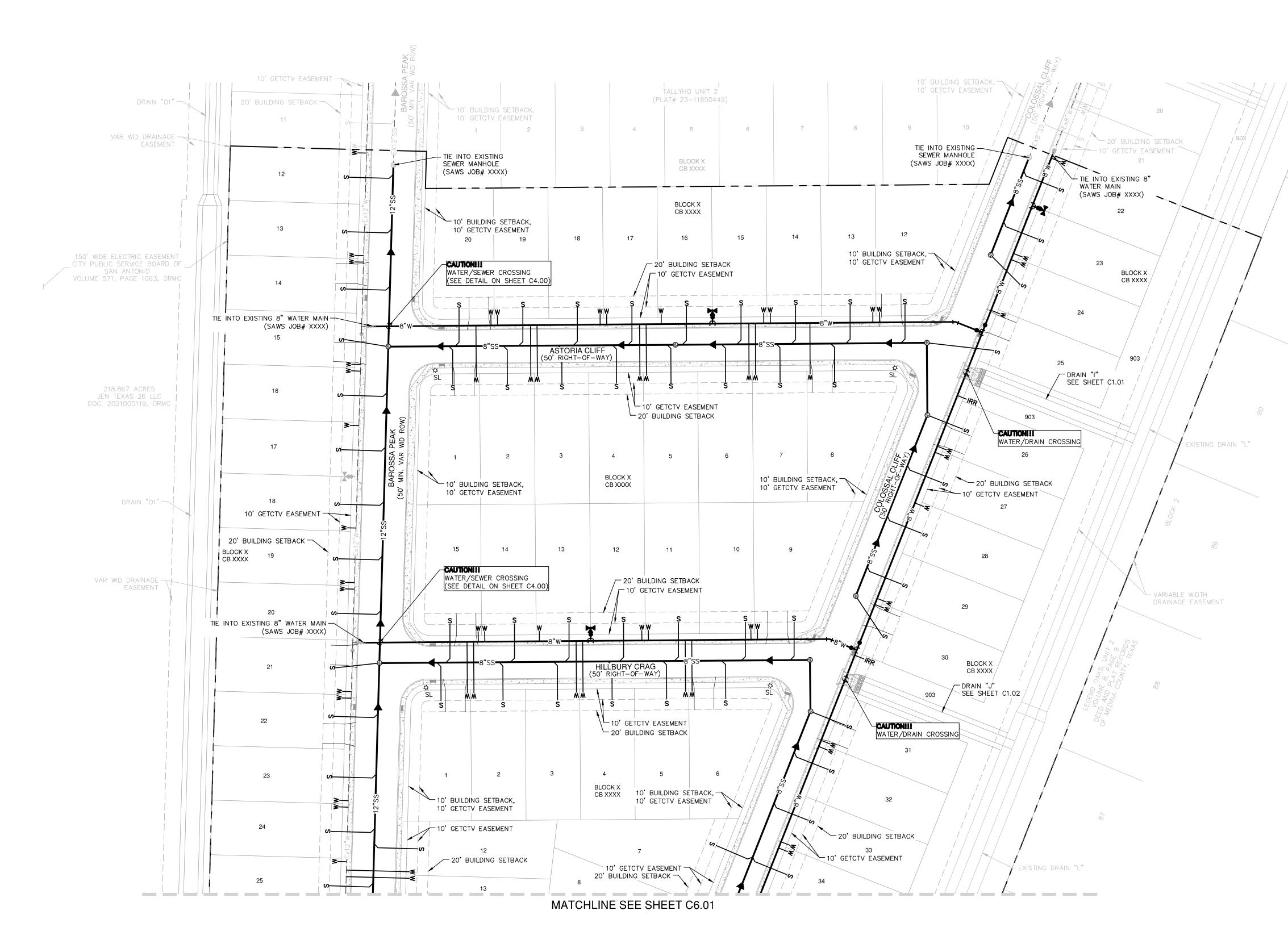
- ALL 8", 12" AND 16" PIPE SHALL BE P.V.C. C-900 CLASS 235 DR 18.
- OF THE CONTRACTOR TO SEQUENCE THE WORK 3. ALL MAINS SHALL BE HYDROSTATICALLY TESTED BY THE CONTRACTOR, PROVIDED FOR IN THE SPECIAL CONDITIONS.
 - . THE WATER LINES WILL BE SET FROM THE STREET HUBS BEFORE CONTRACT BEGINS. STREET CUT SHEETS WILL BE SUPPLIED TO CONTRACTOR. THERE SHOULD BE NO ADDITIONAL STAKES REQUIRED, AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE SITE VERIFY THAT ALL STAKES REQUIRED FOR HIS WORK ARE IN PLACE AT TIME THE CONSTRUCTION BEGINS. IF ANY STAKES ARE MISSING ENGINEER SHOULD BE NOTIFIED IMMEDIATELY. AFTER CONSTRUCTION BEGI ALL CONSTRUCTION STAKES, MARKS, ETC., SHALL BE CAREFULLY PRESERV BY THE CONTRACTOR, AND IN CASE OF DESTRUCTION OR REMOVAL BY CONTRACTOR, HIS EMPLOYEE OR ANY OTHER MEANS, SUCH STAKES, MARI ETC., SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - . THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH ALL THE FIN MEASUREMENTS, TAPS AND LENGTH OF SERVICE CONNECTIONS.
 - STREETS WILL HAVE BEEN EXCAVATED DOWN TO SUBGRADE AND PARKWAY WILL BE CUT DOWN TO TOP OF CURB BY THE STREET CONTRACT PRIOR TO CONSTRUCTION OF THE WATER MAINS. IT WILL BE THE UTIL CONTRACTOR'S RESPONSIBILITY TO PROVIDE A PAD FOR HIS EQUIPMENT.
 - 8. WATER METER BOXES IF APPLICABLE SHALL BE INSTALLED NINE FEET FR FACE OF CURB TO CENTER OF THE METER BOX.
 - 9. ALL GARBAGE OR SPOIL MATERIAL FROM THIS WORK SHALL BE REMOV FROM THE SITE BY THE CONTRACTOR, AT HIS EXPENSE.
 - 10. FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UN WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED AND THE S.A.W RELEASES THE MAIN FOR TIE-IN AND USE.
 - . UNIT PRICE BID FOR "STANDARD FIRE HYDRANT ASSEMBLY" SHALL INCLU FIRE HYDRANT, 6-INCH GATE VALVE AND 6-INCH VALVE BOX COMPLE ANCHOR BEND, AND ALL 6-INCH DI PIPE REQUIRED (DI PIPE REQUIRED SHA INCLUDE ALL PIPE FROM THE TEE ON THE MAIN LINE TO THE FIRE HYDRANT
 - 2. WHEN SEWER LINES ARE INSTALLED IN THE VICINITY OF WATER MAINS, SU INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE TEXAS NATUR RESOURCE CONSERVATION COMMISSION "RULES AND REGULATIONS FOR PUBL WATER SYSTEMS" (1988 OR ANY REVISIONS THERETO).
 - 13. A CLEAR SPACE SHALL BE PROVIDED AROUND ALL FIRE HYDRANTS. AREA SHOULD HAVE A MINIMUM DIAMETER OF 3.0' AND BE CLEAN VERTICAL OBSTRUCTIONS, VALVES, AND METER BOXES.

 - 15. UNLESS OTHERWISE NOTED ALL SERVICES SHALL BE 3/4" WITH 5/8" METER

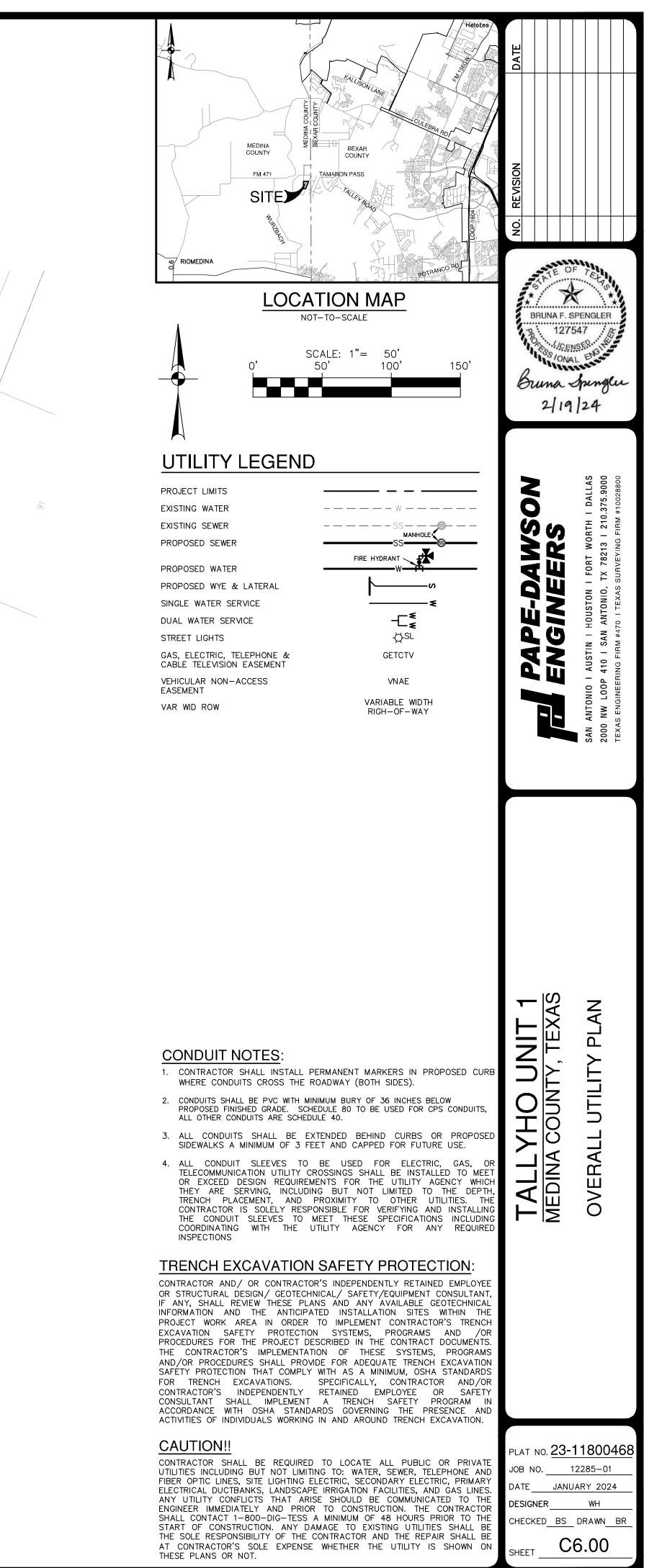
AS HIFE TID FIFE S, DE LA LLY TRANSFER S, IAL ALLY	NO. REVISION BRUNA F. BRUNA F. 127 BRUNA F. 127 JON BRUNA F. 127 JON 127 JON 127 JON 127 JON 127 JON 127	
/ED ITIL V.S. JDE TE, ALL T). JCH RAL LIC HIS OF	FAPE-DAWSON ENGINEERS	SAN ANTONIO I AUSTIN I HOUSTON I FORT WORTH I DALLAS 2000 NW LOOP 410 I SAN ANTONIO, TX 78213 I 210.375.9000 TEXAS ENGINEERING FIRM #470 I TEXAS SURVEVING FIRM #10028800
	TALLYHO UNIT 1 MEDINA COUNTY, TEXAS	OVERALL WATER NOTES
	PLAT NO. 23- JOB NO DATE DESIGNER CHECKED BS	JARY 2024 WH

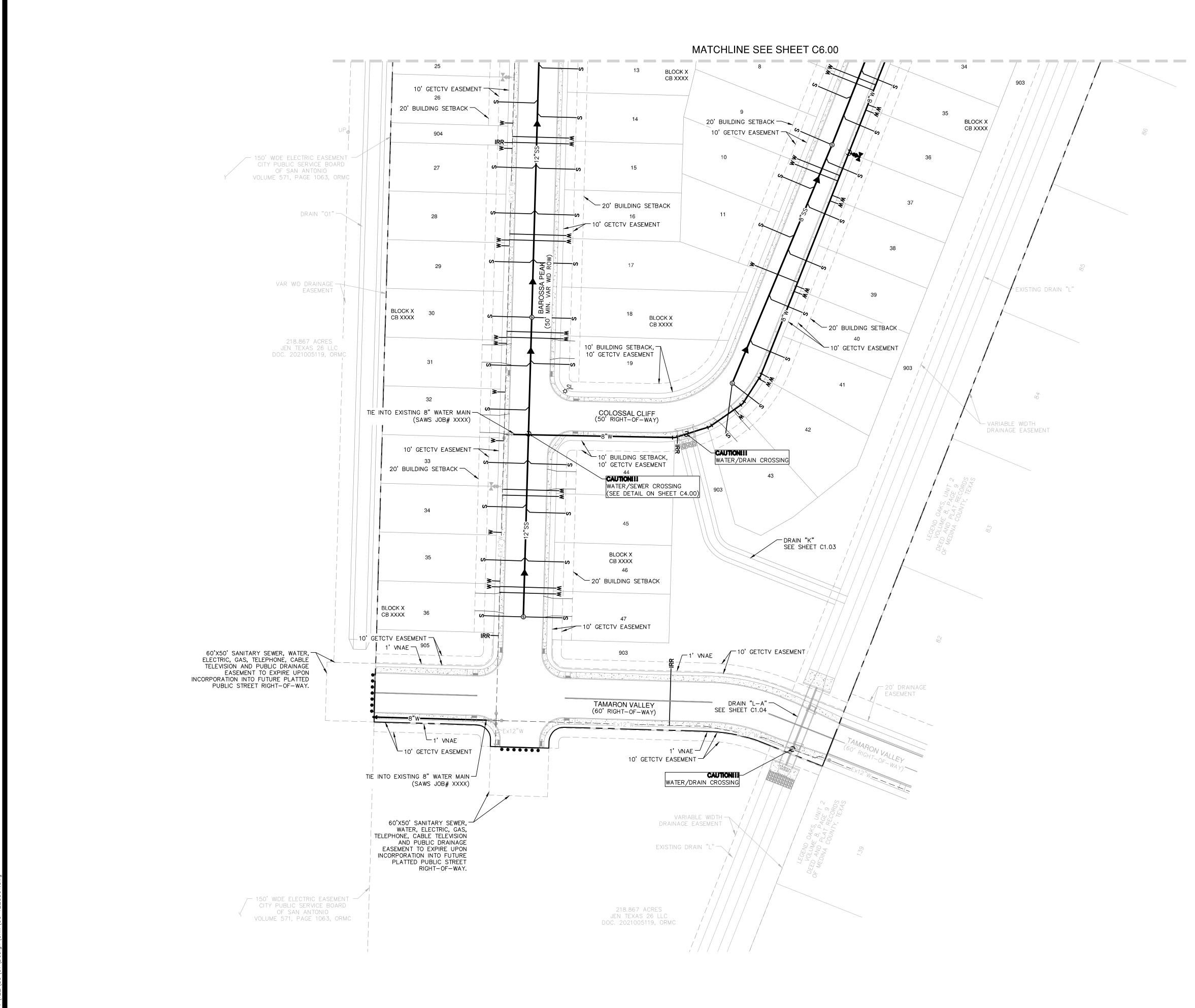
WATER (SAW	S PRESSURE ZONE 1170)

L	ſ
L	DEVELOPER'S NAME: JEN TEXAS 26 LLC
	ADDRESS: 8023 VANTAGE DRIVE, STE. 220
	CITY: SAN ANTONIO STATE: TEXAS ZIP: 78230
	PHONE#
	SAWS BLOCK MAP <u># 060-600</u> TOTAL EDU'S 100 TOTAL ACREAGE 22. 2,436LF - 8" PVC
	2,436LF - 8 PVC TOTAL LINEAR FOOTAGE OF PIPE: <u>49LF - 8" DI</u> PLAT NO. <u>23-11800</u>
	NUMBER OF LOTS 94 SAWS JOB NO. 22-XXXX
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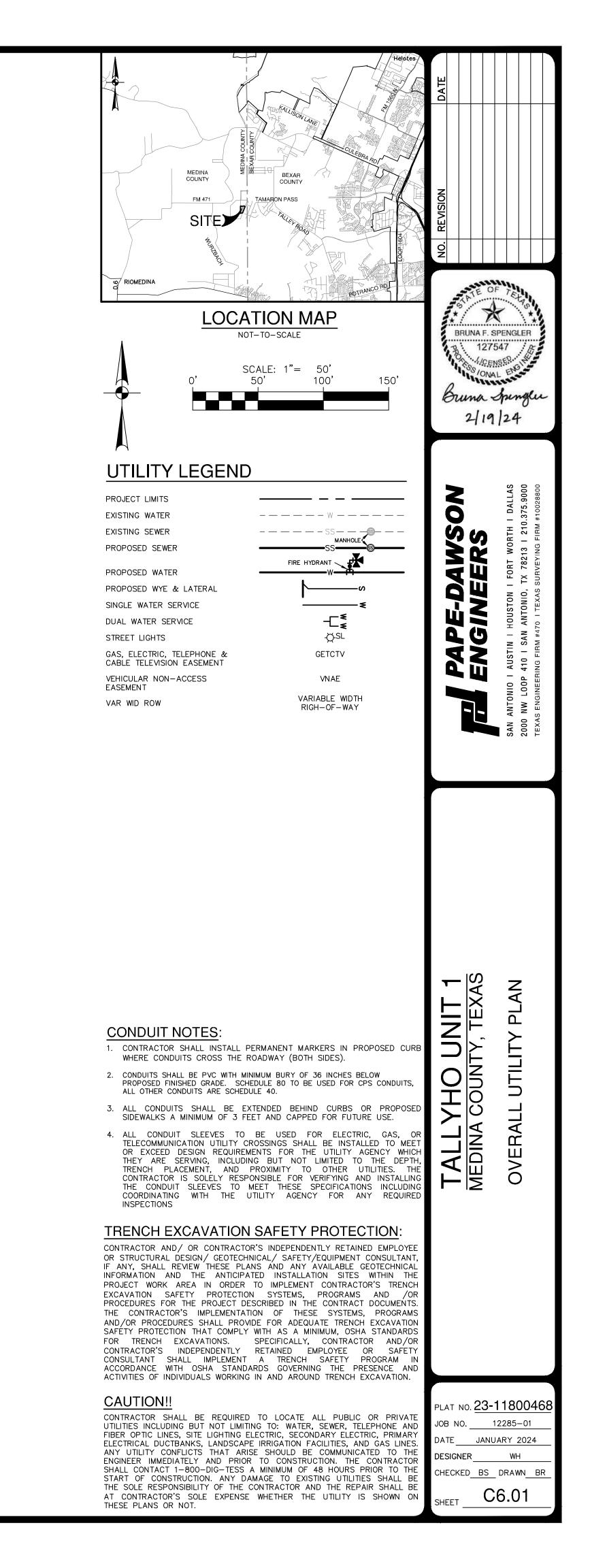


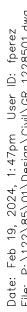
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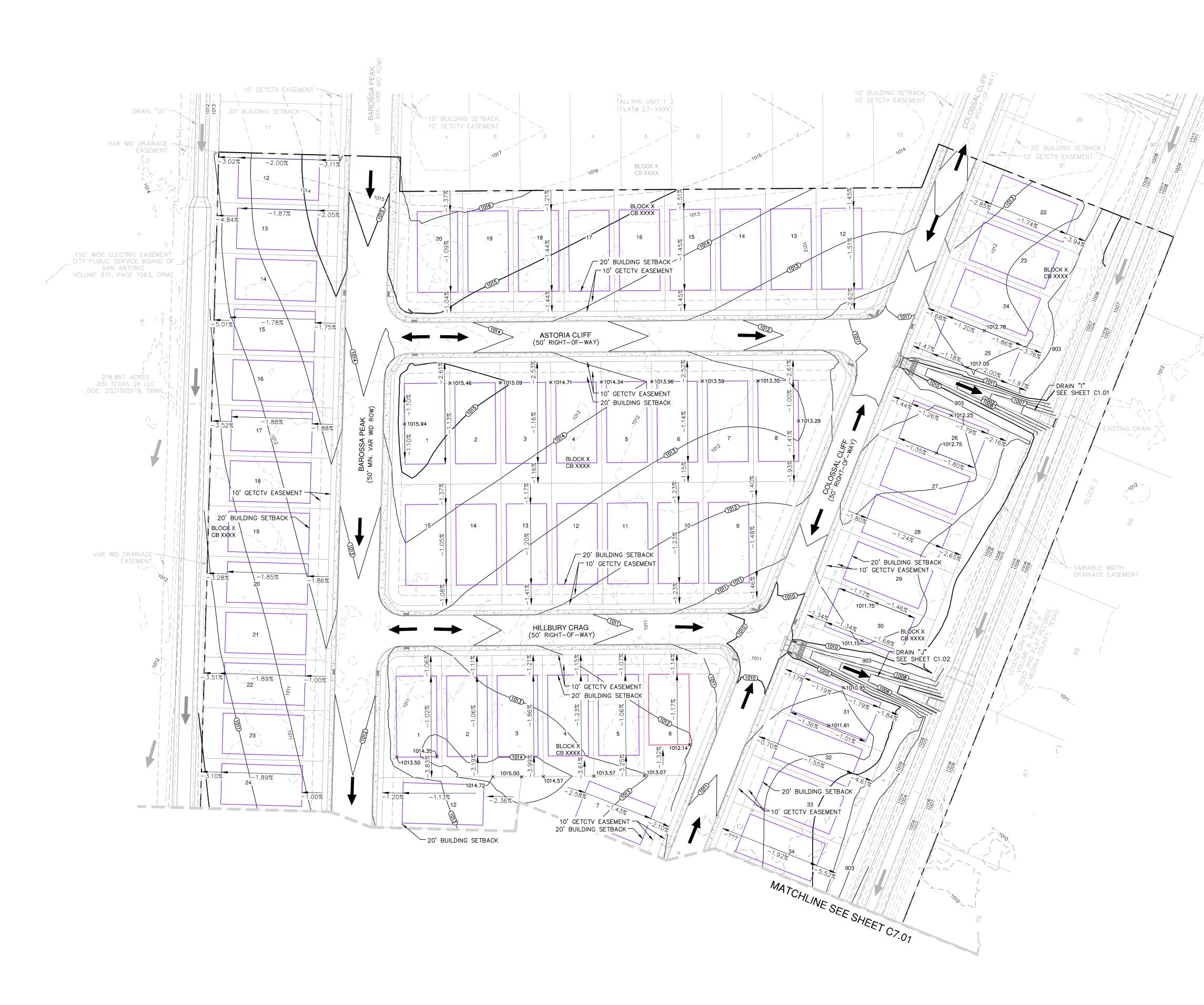


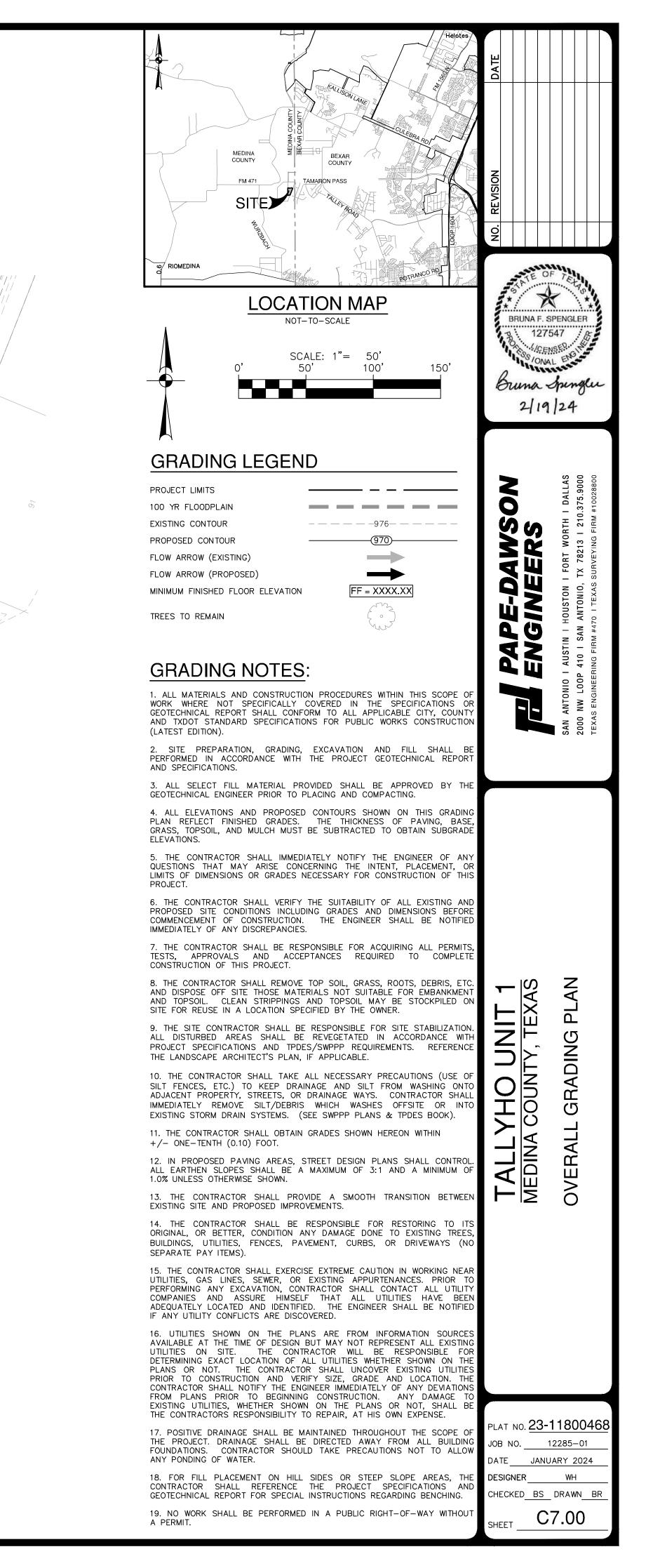


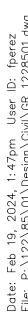
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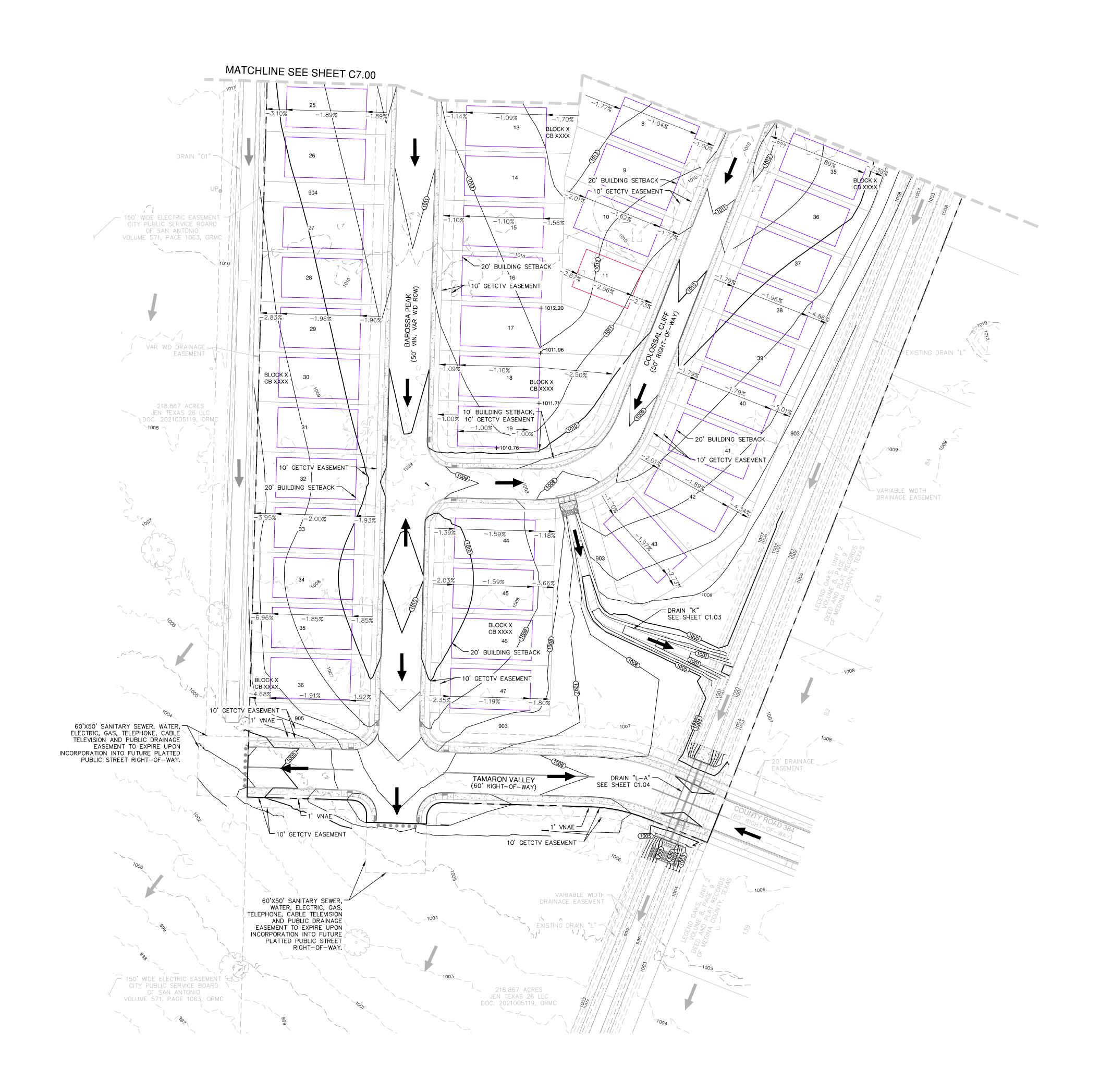


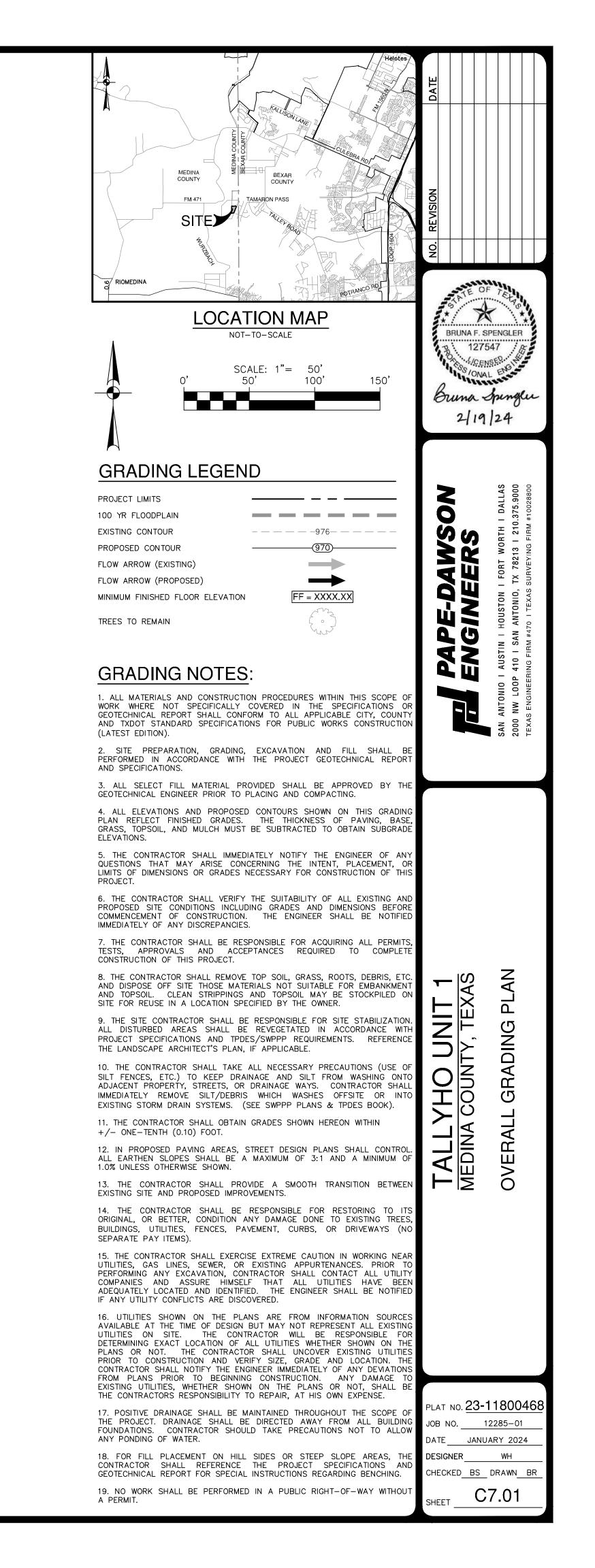


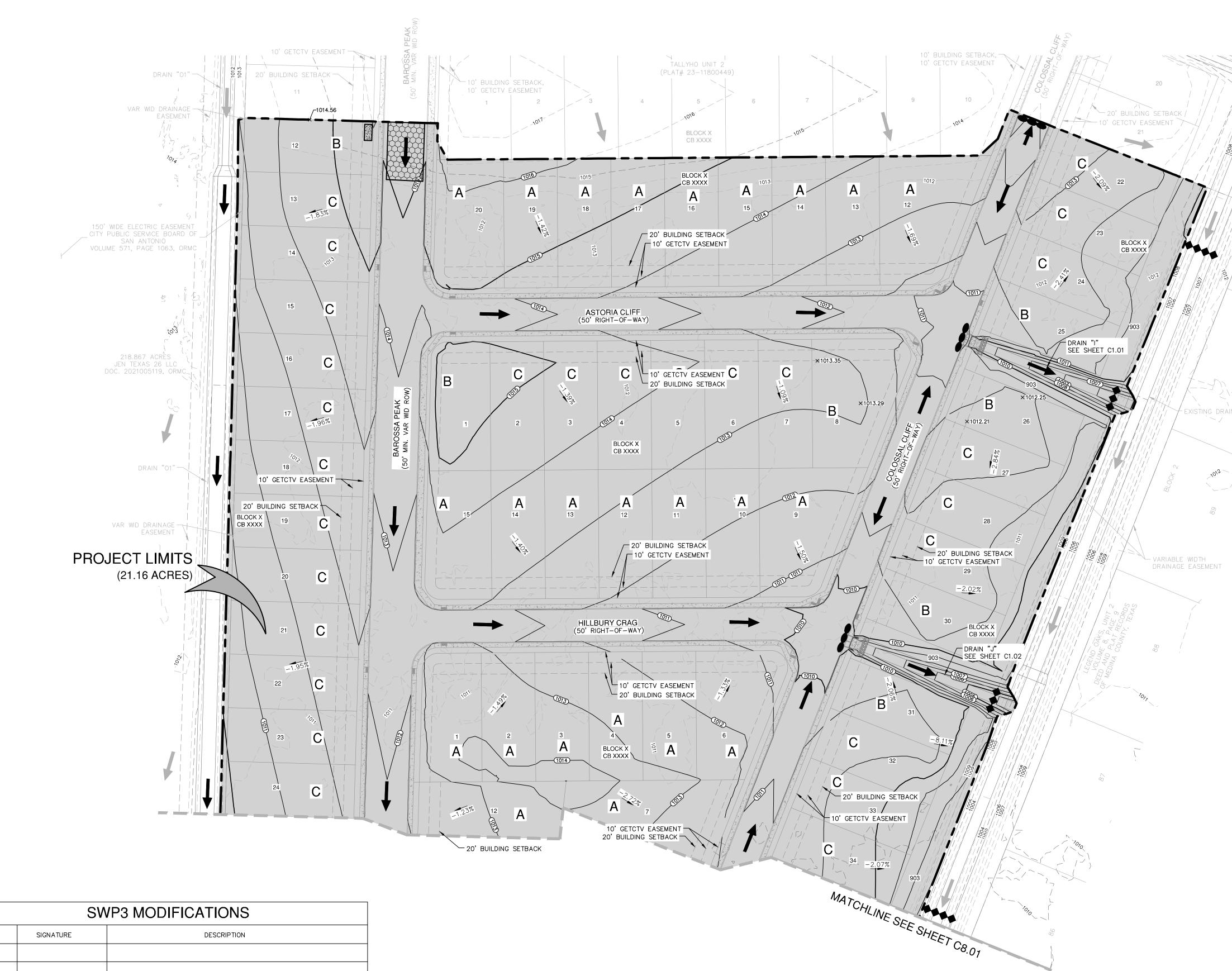


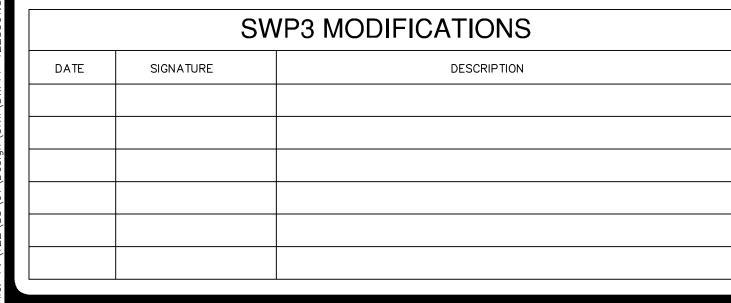




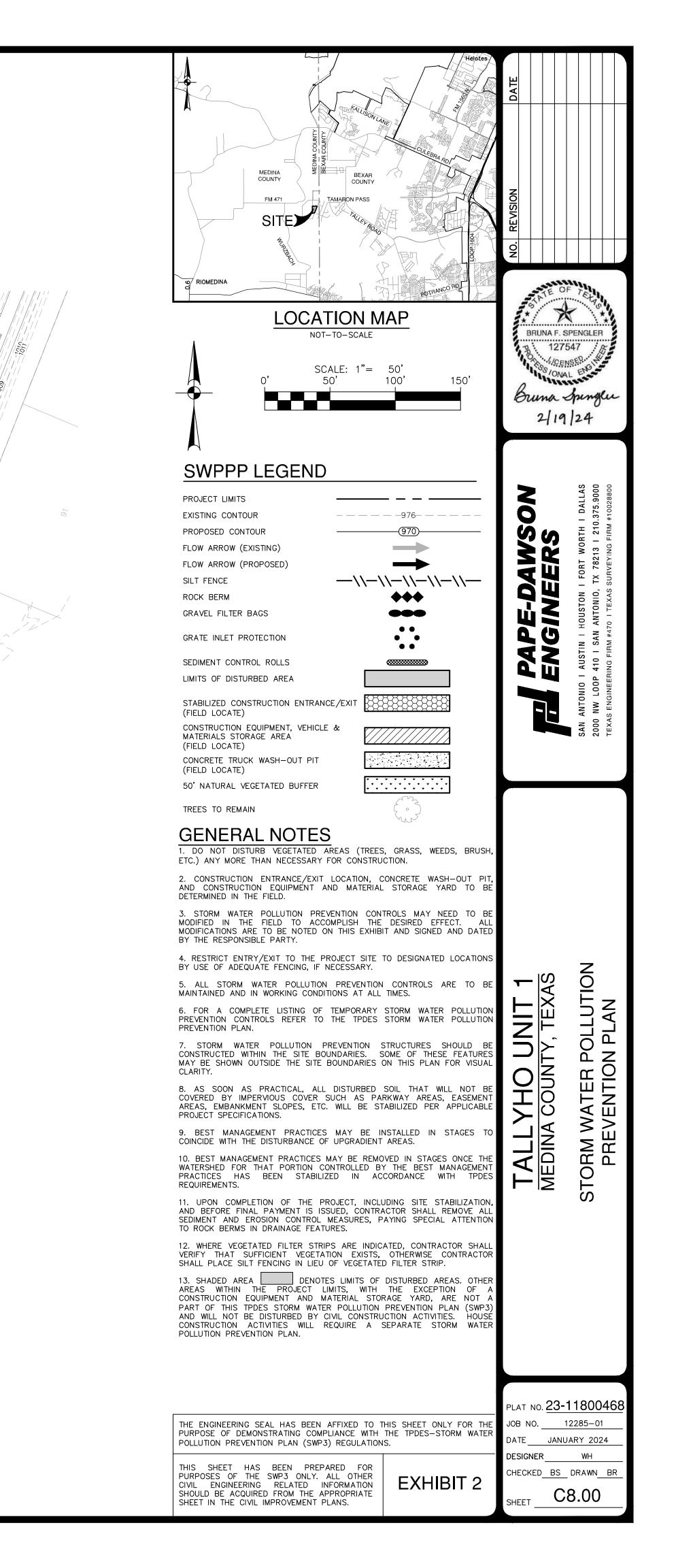


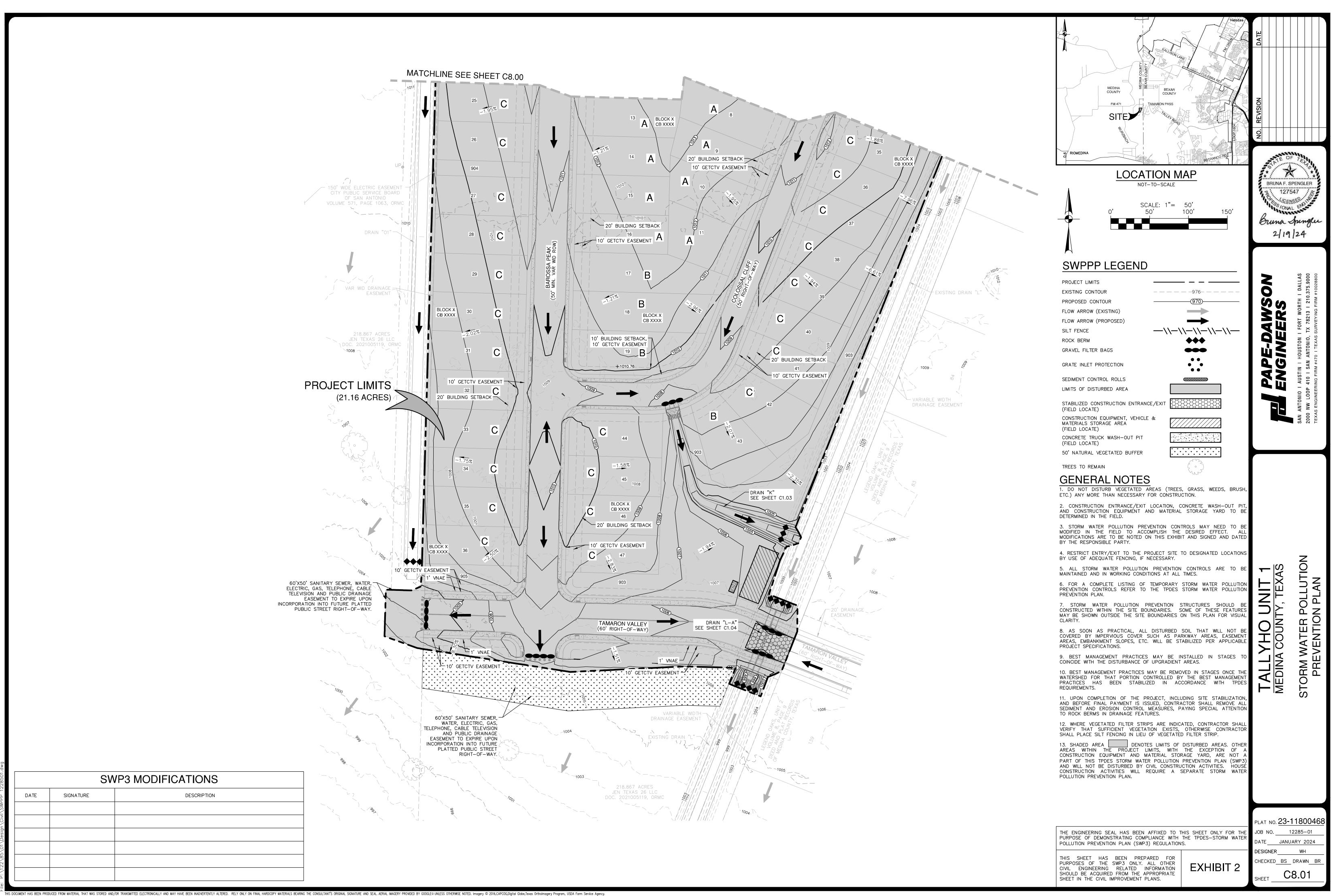






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DIVERSION RIDGI >2% GRADE PUBLIC ROAD DIVERSION RIDGE -GEOTEXTILE FABRIC T GEOTEXTILE FABRIC TO STABILIZE FOUNDATION STABILIZE FOUNDATION 4" TO 8" COARSE AGGREGATE SCHEMATIC OF TEMPORARY SECTION "A-A" OF A CONSTRUCTION ENTRANCE/EXIT CONSTRUCTION ENTRANCE/EXIT MATERIALS COMMON TROUBLE POINTS 1. THE AGGREGATE SHOULD CONSIST OF 4-INCH TO 8-INCH WASHED STONE 1. INADEQUATE RUNOFF CONTROL-SEDIMENT WASHES ONTO PUBLIC ROAD. OVER A STABLE FOUNDATION AS SPECIFIED IN THE PLAN. . STONE TOO SMALL OR GEOTEXTILE FABRIC ABSENT, RESULTS IN MUDDY 2. THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF CONDITION AS STONE IS PRESSED INTO SOIL. 8-INCHES. . PAD TOO SHORT FOR HEAVY CONSTRUCTION TRAFFIC-EXTEND PAD BEYOND THE MINIMUM 50-FOOT LENGTH AS NECESSARY. 3. THE GEOTEXTILE FABRIC SHOULD BE DESIGNED SPECIFICALLY FOR USE AS A SOIL FILTRATION MEDIA WITH AN APPROXIMATE WEIGHT OF 6 OZ/YD², A 4. PAD NOT FLARED SUFFICIENTLY AT ROAD SURFACE, RESULTS IN MUD BEING MULLEN BURST RATING OF 140 LB/IN2, AND AN EQUIVALENT OPENING SIZE TRACKED ON TO ROAD AND POSSIBLE DAMAGE TO ROAD. GREATER THAN A NUMBER 50 SIEVE. 5. UNSTABLE FOUNDATION - USE GEOTEXTILE FABRIC UNDER PAD AND/OR 4. IF A WASHING FACILITY IS REQUIRED, A LEVEL AREA WITH A MINIMUM OF 4-INCH DIAMETER WASHED STONE OR COMMERCIAL ROCK SHOULD BE IMPROVE FOUNDATION DRAINAGE. INCLUDED IN THE PLANS. DIVERT WASTEWATER TO A SEDIMENT TRAP OF INSPECTION AND MAINTENANCE GUIDELINES BASIN. THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION. WHICH WILL INSTALLATION PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. 1. AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION USED TO TRAP SEDIMENT AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE. 2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC 2. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12 FEET OR THE RIGHTS-OF-WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR. FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER. 3. WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT 3. THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG. PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. 4. IF THE SLOPE TOWARD THE ROAD EXCEEDS 2%, CONSTRUCT A RIDGE 4. WHEN WASHING IS REQUIRED. IT SHOULD BE DONE ON AN AREA STABILIZED 6-INCHES TO 8-INCHES HIGH WITH 3:1 (H:V) SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE ENTRANCE TO DIVERT WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR RUNOFF AWAY FROM THE PUBLIC ROAD. SEDIMENT BASIN 5. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, 5. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY, DITCH OR WATER COURSE BY USING APPROVED METHODS. ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED. 6. PLACE STONE TO DIMENSIONS AND GRADE SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE. 7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN. 8. INSTALL PIPE UNDER PAD AS NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE STABILIZED CONSTRUCTION ENTRANCE/EXIT DETAIL NOT-TO-SCALE SHOOTS OR GRASS BLADES. GRASS SHOULD BE GREEN AND HEALTHY; MOWED AT A $2^{"}-3"$ CUTTING HEIGH - THATCH- GRASS CLIPPINGS AND CORRECT DEAD LEAVES, UP TO 1/2" THICK. LAY SOD IN A STAGGERED PATTERN. BUTT ROOT ZONE - SOIL AND ROOTS. THE STRIPS TIGHTLY AGAINST EACH OTHER. SHOULD BE 1/2"-3/4" THICK, WITH DO NOT LEAVE SPACES AND DO NOT DENSE ROOT MAT FOR STRENGTH. OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE APPEARANCE OF GOOD SOD ENDS AND TRIMMING PIECES. INCORREC¹ ANGLED ENDS CAUSED BY THE ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE AUTOMATIC SOD CUTTER MUST BE MATCHED SOIL. SOD INSTALLATION CORRECTLY. 2. WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID. 3. MOW WHEN THE SOD IS ESTABLISHED - IN 2-3 WEEKS. SET THE MOWER HIGH $(2^{\circ}-3^{\circ})$. LAY SOD ACROSS THE DIRECTION OF FLOW PEG OR STAPLE USE PEGS OR STAPLES TO FASTEN SOD FIRMLY - AT THE ENDS OF STRIPS AND IN THE CENTER, OR EVERY 3-4 FEET IF THE STRIPS ARE LONG. WHEN READY TO MOW, DRIVE PEGS OR STAPLES FLUSH IN CRITICAL AREAS, SECURE SOD WITH THE GROUND. WITH NETTING. USE STAPLES. **MATERIALS** GENERAL INSTALLATION (VA. DEPT. OF 1. SOD SHOULD BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4" INCH CONSERVATION, 1992 (± 1/4" INCH) AT THE TIME OF CUTTING. THIS THICKNESS SHOULD EXCLUDE SOD SHOULD NOT BE CUT OR LAID IN EXCESSIVELY WET OR DRY WEATHER. SHOOT GROWTH AND THATCH. SOD ALSO SHOULD NOT BE LAID ON SOIL SURFACES THAT ARE FROZEN. 2. PIECES OF SOD SHOULD BE CUT TO THE SUPPLIER'S STANDARD WIDTH AND 2. DURING PERIODS OF HIGH TEMPERATURE, THE SOIL SHOULD BE LIGHTLY LENGTH, WITH A MAXIMUM ALLOWABLE DEVIATION IN ANY DIMENSION OF 5%. IRRIGATED IMMEDIATELY PRIOR TO LAYING THE SOD, TO COOL THE SOIL AND TORN OR UNEVEN PADS SHOULD NOT BE ACCEPTABLE. REDUCE ROOT BURNING AND DIEBACK. STANDARD SIZE SECTIONS OF SOD SHOULD BE STRONG ENOUGH TO FIRST ROW OF SOD SHOULD BE LAID IN A STRAIGHT LINE WITH SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUBSEQUENT ROWS PLACED PARALLEL TO AND BUTTING TIGHTLY AGAINST EACH SUSPENDED FROM A FIRM GRASP ON ONE END OF THE SECTION. OTHER. LATERAL JOINTS SHOULD BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. CARE SHOULD BE EXERCISED TO ENSURE THAT SOD 4. SOD SHOULD BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT OF 36 HOURS. IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE DRYING OF THE ROOTS (SEE FIGURE ABOVE). 4. ON SLOPES 3:1 OR GREATER, OR WHEREVER EROSION MAY BE A PROBLEM SITE PREPARATION SOD SHOULD BE LAID WITH STAGGERED JOINTS AND SECURED BY STAPLING OF OTHER APPROVED METHODS. SOD SHOULD BE INSTALLED WITH THE LENGTH PRIOR TO SOIL PREPARATION, AREAS TO BE SODDED SHOULD BE BROUGHT PERPENDICULAR TO THE SLOPE (ON CONTOUR). TO FINAL GRADE IN ACCORDANCE WITH THE APPROVED PLAN. 5. AS SODDING OF CLEARLY DEFINED AREAS IS COMPLETED, SOD SHOULD BE THE SURFACE SHOULD BE CLEARED OF ALL TRASH, DEBRIS AND OF ALL ROLLED OR TAMPED TO PROVIDE FIRM CONTACT BETWEEN ROOTS AND SOIL. ROOTS, BRUSH, WIRE, GRADE STAKES AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS. 6. AFTER ROLLING, SOD SHOULD BE IRRIGATED TO A DEPTH SUFFICIENT THAT THE UNDERSIDE OF THE SOD PAD AND THE SOIL 4 INCHES BELOW THE SOD IS FERTILIZE ACCORDING TO SOIL TESTS. FERTILIZER NEEDS CAN BE DETERMINED BY A SOIL TESTING LABORATORY OR REGIONAL RECOMMENDATIONS THOROUGHLY WET. CAN BE MADE BY COUNTY AGRICULTURAL EXTENSION AGENTS. FERTILIZER UNTIL SUCH TIME A GOOD ROOT SYSTEM BECOMES DEVELOPED, IN THE SHOULD BE WORKED INTO THE SOIL TO A DEPTH OF 3 INCHES WITH A DISC, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. ON SLOPING LAND, THE ABSENCE OF ADEQUATE RAINFALL, WATERING SHOULD BE PERFORMED AS OFTEN AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF AT LEAST 4 FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE CONTOUR. INCHES

INSTALLATION IN CHANNELS

SOD STRIPS IN WATERWAYS SHOULD BE LAID PERPENDICULAR TO THE DIRECTION OF FLOW. CARE SHOULD BE TAKEN TO BUTT ENDS OF STRIPS TIGHTLY (SEE FIGURE ABOVE).

2. AFTER ROLLING OR TAMPING, SOD SHOULD BE PEGGED OR STAPLED TO RESIST WASHOUT DURING THE ESTABLISHMENT PERIOD. MESH OR OTHER NETTING MAY BE PEGGED OVER THE SOD FOR EXTRA PROTECTION IN CRITICAL AREAS.

INSPECTION AND MAINTENANCE GUIDELINES SOD SHOULD BE INSPECTED WEEKLY AND AFTER EACH RAIN EVENT TO LOCATE AND REPAIR ANY DAMAGE.

8. THE FIRST MOWING SHOULD NOT BE ATTEMPTED UNTIL THE SOD IS FIRMLY

ROOTED, USUALLY 2-3 WEEKS. NOT MORE THAN ONE THIRD OF THE GRASS

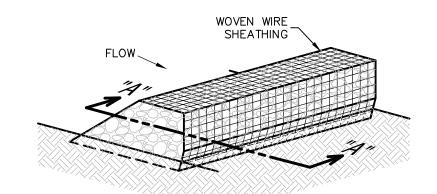
LEAF SHOULD BE REMOVED AT ANY ONE CUTTING.

2. DAMAGE FROM STORMS OR NORMAL CONSTRUCTION ACTIVITIES SUCH AS TIRE RUTS OR DISTURBANCE OF SWALE STABILIZATION SHOULD BE REPAIRED AS SOON AS PRACTICAL.

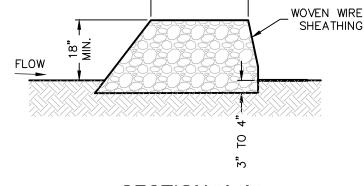
IS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVDED BY GOOGLE© UNLESS OTHORMAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVDED BY GOOGLE© UNLESS OTHORMAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVDED BY GOOGLE© UNLESS OTHORMAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVDED BY GOOGLE© UNLESS OTHORMAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVDED BY GOOGLE© UNLESS OTHORMAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVDED BY GOOGLE© UNLESS OTHORMAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVDED BY GOOGLE© UNLESS OTHORMAL SIGNATURE AND SEAL AERIAL IMAGERY PROVDED BY GOOGLE© UNLESS OTHORMAL SIGNATURE AND SEAL.

SOD INSTALLATION DETAIL

NOT-TO-SCALE



SOMETRIC PLAN VIEW



🖛 24" MIN. 🗕

SECTION "A-A"

ROCK BERMS

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

INSPECTION AND MAINTENANCE GUIDELINES

. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL BY THE RESPONSIBLE PARTY. FOR INSTALLATIONS IN STREAMBEDS, ADDITIONAL DAILY INSPECTIONS SHOULD BE MADE.

2. REMOVE SEDIMENT AND OTHER DEBRIS WHEN BUILDUP REACHES 6 INCHES AND DISPOSE OF THE ACCUMULATED SILT IN AN APPROVED MANNER THAT WILL NOT CAUSE ANY ADDITIONAL SILTATION. 3. REPAIR ANY LOOSE WIRE SHEATHING.

4. THE BERM SHOULD BE RESHAPED AS NEEDED DURING INSPECTION

5. THE BERM SHOULD BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.

6. THE ROCK BERM SHOULD BE LEFT IN PLACE UNTIL ALL UPSTREAM AREAS ARE STABILIZED AND ACCUMULATED SILT REMOVED.

MATERIALS

THE BERM STRUCTURE SHOULD BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE DIAMETER OF 20 GAUGE GALVANIZED AND SHOULD BE SECURED WITH SHOAT RINGS.

2. CLEAN, OPEN GRADED 3-INCH TO 5-INCH DIAMETER ROCK SHOULD BE USED, EXCEPT IN AREAS WHERE HIGH VELOCITIES OR LARGE VOLUMES OF FLOW ARE EXPECTED, WHERE 5-INCH TO 8-INCH DIAMETER ROCKS MAY BE USED

INSTALLATION

1. LAY OUT THE WOVEN WIRE SHEATHING PERPENDICULAR TO THE FLOW LINE THE SHEATHING SHOULD BE 20 GAUGE WOVEN WIRE MESH WITH 1 INCH OPENINGS.

2. BERM SHOULD HAVE A TOP WIDTH OF 2 FEET MINIMUM WITH SIDE SLOPES BEING 2:1 (H:V) OR FLATTER. 3. PLACE THE ROCK ALONG THE SHEATHING AS SHOWN IN THE DIAGRAM TO

A HEIGHT NOT LESS THAN 18". 4. WRAP THE WIRE SHEATHING AROUND THE ROCK AND SECURE WITH TIE WIRE SO THAT THE ENDS OF THE SHEATHING OVERLAP AT LEAST 2 INCHES.

AND THE BERM RETAINS ITS SHAPE WHEN WALKED UPON. 5. BERM SHOULD BE BUILT ALONG THE CONTOUR AT ZERO PERCENT GRADE

OR AS NEAR AS POSSIBLE. 6. THE ENDS OF THE BERM SHOULD BE TIED INTO EXISTING UPSLOPE GRADE

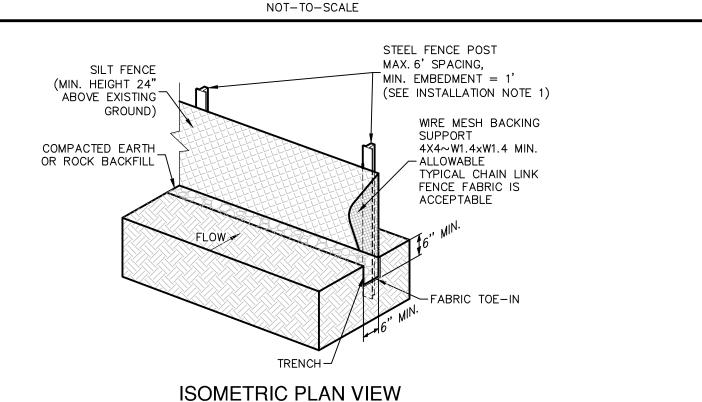
AND THE BERM SHOULD BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP TO PREVENT FAILURE OF THE CONTROL.

COMMON TROUBLE POINTS

. INSUFFICIENT BERM HEIGHT OR LENGTH (RUNOFF QUICKLY ESCAPES OVER THE TOP OR AROUND THE SIDES OF BERM).

2. BERM NOT INSTALLED PERPENDICULAR TO FLOW LINE (RUNOFF ESCAPING AROUND ONE SIDE).





SILT FENCE

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

THE PURPOSE OF A SILT FENCE IS TO INTERCEPT AND DETAIN WATER-BORN SEDIMENT FROM UNPROTECTED AREAS OF A LIMITED EXTENT. SILT FENCE IS USED DURING THE PERIOD OF CONSTRUCTION NEAR THE PERIMETER OF A DISTURBED AREA TO INTERCEPT SEDIMENT WHILE ALLOWING WATER TO PERCOLATE THROUGH. THIS FENCE SHOULD REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. SILT FENCE SHOULD NOT BE USED WHERE THERE IS A CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY. IF CONCENTRATED FLOW OCCURS AFTER INSTALLATION, CORRECTIVE ACTION MUST BE TAKEN SUCH AS PLACING A ROCK BERM IN THE AREAS OF CONCENTRATED FLOW.

SILT FENCING WITHIN THE SITE MAY BE TEMPORARILY MOVED DURING THE DAY TO ALLOW CONSTRUCTION ACTIVITY PROVIDED IT IS REPLACED AND PROPERLY ANCHORED TO THE GROUND AT THE END OF THE DAY. SILT FENCES ON THE PERIMETER OF THE SITE OR AROUND DRAINAGE WAYS SHOULD NOT BE MOVED AT ANY TIME.

MATERIALS

I. SILT FENCE MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE, OR POLYAMIDE WOVEN OR NONWOVEN FABRIC. THE FABRIC SHOULD BE 36 INCHES, WITH A MINIMUM UNIT WEIGHT OF 4.5 OZ/YD, MULLEN BURST STRENGTH EXCEEDING 190 LB/IN2, ULTRAVIOLET STABILITY EXCEEDING 70%, AND MINIMUM APPARENT OPENING SIZE OF U.S. SIEVE NUMBER 30.

2. FENCE POSTS SHOULD BE MADE OF HOT ROLLED STEEL, AT LEAST 4 FEET LONG WITH TEE OR Y-BAR CROSS SECTION, SURFACE PAINTED OR GALVANIZED, MINIMUM WEIGHT 1.25 LB/FT, AND BRINDELL HARDNESS EXCEEDING 140.

3. WOVEN WIRE BACKING TO SUPPORT THE FABRIC SHOULD BE GALVANIZED 2" X 4" WELDED WIRE, 12 GAUGE MINIMUM.

INSTALLATION

1. STEEL POSTS, WHICH SUPPORT THE SILT FENCE, SHOULD BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POSTS MUST BE EMBEDDED A MINIMUM OF 1-FOOT DEEP AND SPACED NOT MORE THAN 8 FEET ON CENTER. WHERE WATER CONCENTRATES, THE MAXIMUM SPACING SHOULD BE 6 FEET.

2. LAY OUT FENCING DOWN-SLOPE OF DISTURBED AREA, FOLLOWING THE CONTOUR AS CLOSELY AS POSSIBLE. THE FENCE SHOULD BE SITED SO THAT THE MAXIMUM DRAINAGE AREA IS 1/4 ACRE/100 FEET OF FENCE.

3. THE TOE OF THE SILT FENCE SHOULD BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN-SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G., PAVEMENT OR ROCK OUTCROP), WEIGHT FABRIC FLAP WITH 3 INCHES OF PEA GRAVEL ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.

4. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.

5. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHOULD BE A 3-FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET

6. SILT FENCE SHOULD BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

COMMON TROUBLE POINTS FENCE NOT INSTALLED ALONG THE CONTOUR CAUSING WATER TO

CONCENTRATE AND FLOW OVER THE FENCE. 2. FABRIC NOT SEATED SECURELY TO GROUND (RUNOFF PASSING UNDER

FENCE).

3. FENCE NOT INSTALLED PERPENDICULAR TO FLOW LINE (RUNOFF ESCAPING AROUND SIDES

4. FENCE TREATING TOO LARGE AN AREA, OR EXCESSIVE CHANNEL FLOW (RUNOFF OVERTOPS OR COLLAPSES FENCE).

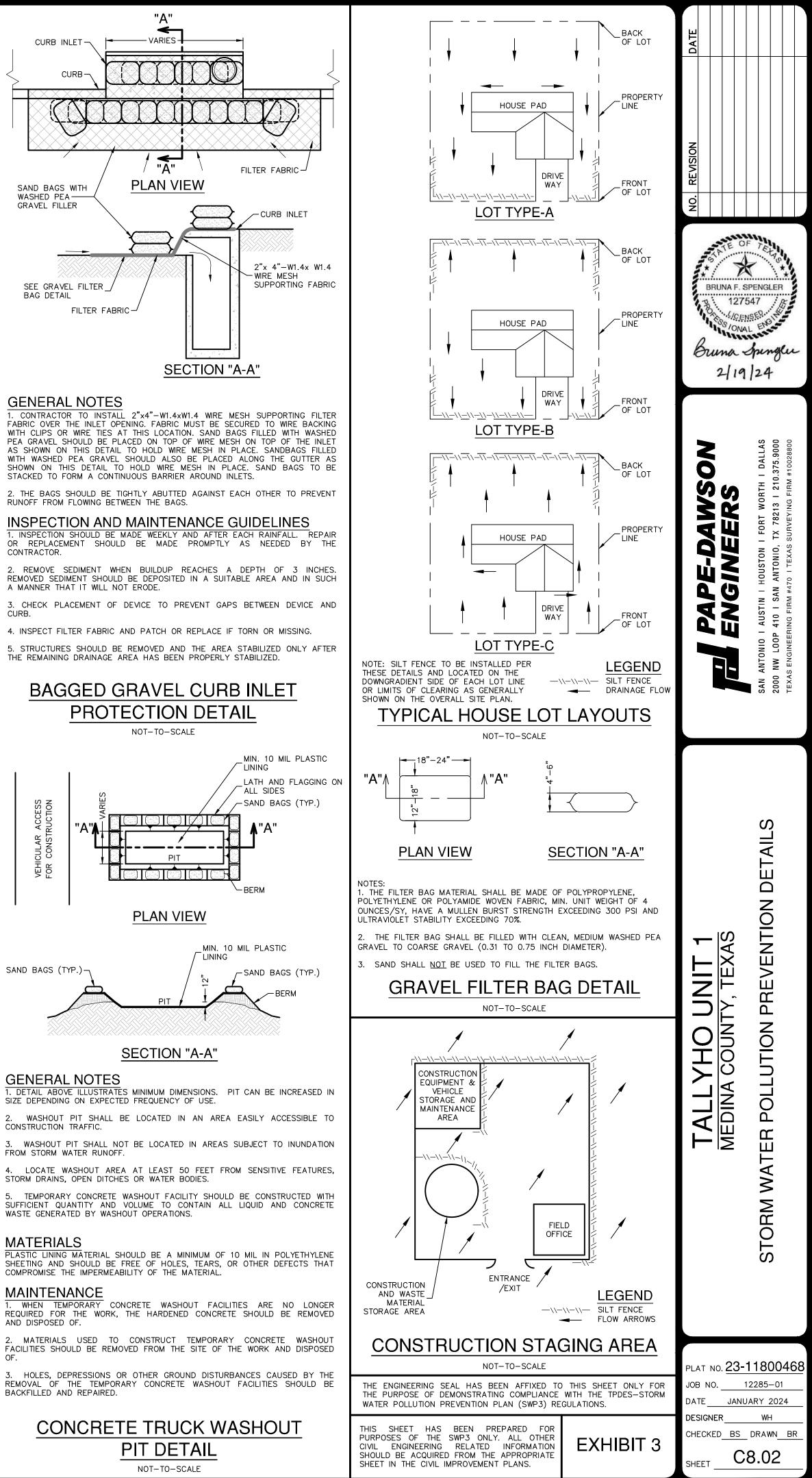
INSPECTION AND MAINTENANCE GUIDELINES 1. INSPECT ALL FENCING WEEKLY, AND AFTER RAINFALL.

2. REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES.

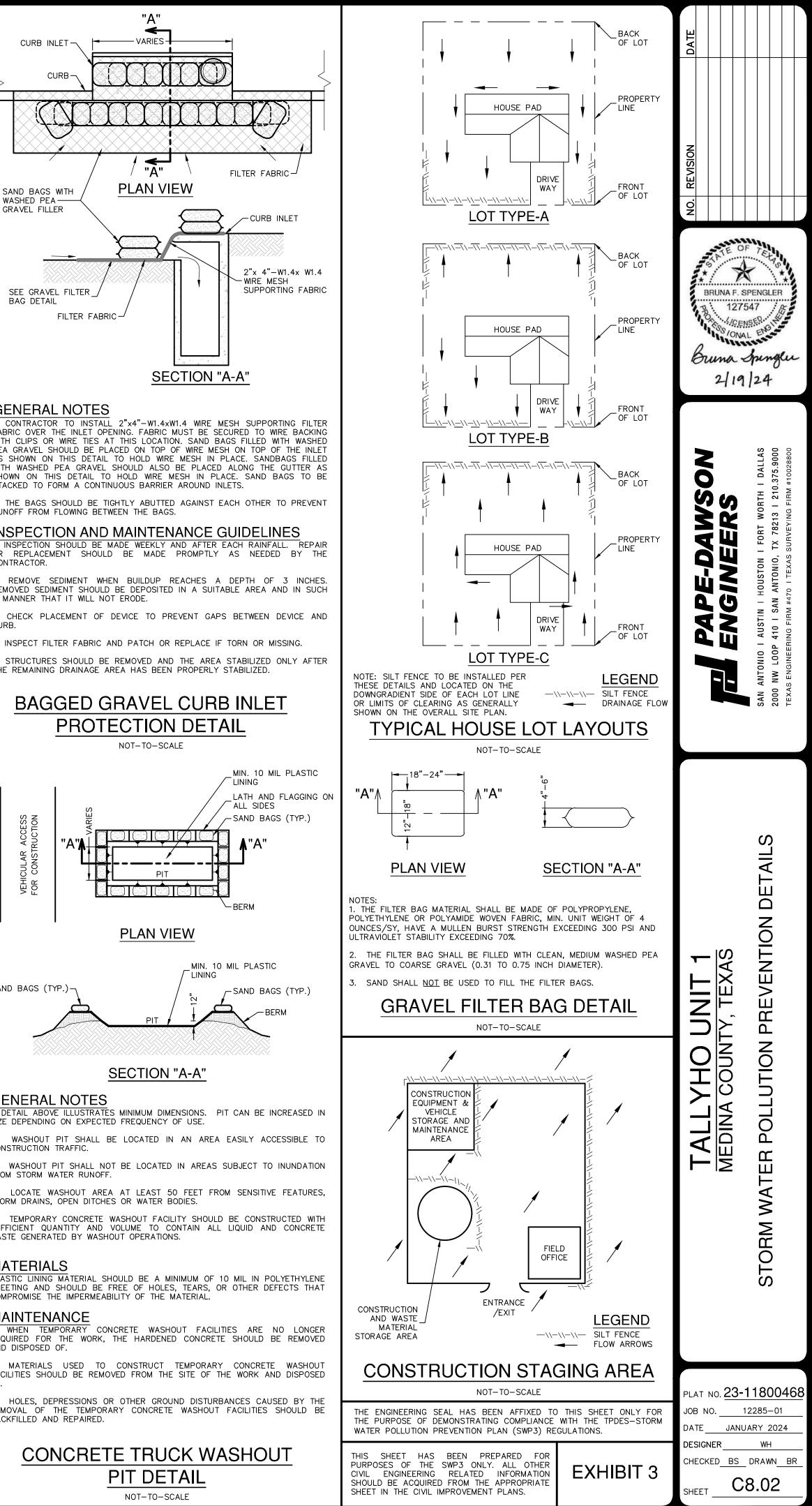
3. REPLACE TORN FABRIC OR INSTALL A SECOND LINE OF FENCING PARALLEL TO THE TORN SECTION.

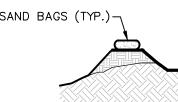
4. REPLACE OR REPAIR SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY. IF A SECTION OF FENCE IS OBSTRUCTING VEHICULAR ACCESS, CONSIDER RELOCATING IT TO A SPOT WHERE IT WILL PROVIDE EQUAL PROTECTION, BUT WILL NOT OBSTRUCT VEHICLES. A TRIANGULAR FILTER DIKE MAY BE PREFERABLE TO A SILT FENCE AT COMMON VEHICLE ACCESS POINTS.

WHEN CONSTRUCTION IS COMPLETE, THE SEDIMENT SHOULD BE DISPOSED OF IN A MANNER THAT WILL NOT CAUSE ADDITIONAL SILTATION AND THE PRIOR LOCATION OF THE SILT FENCE SHOULD BE REVEGETATED. THE FENCE ITSELF SHOULD BE DISPOSED OF IN AN APPROVED LANDFILL.



CURB.





FROM STORM WATER RUNOFF.

MATERIALS

MAINTENANCE

SILT FENCE DETAIL