REVISION BLOCK NO. REVISION DESCRIPTION AFFECTED SHEETS DATE APPROVAL SIGN	ATURE APPROVAL DATE	CONSTRUCTION PLANS FOR RANCH HOUSE ROAD PHASE 2	
PREPARED BY: B. RYAN BELL 92578	4/27/2023	APRIL 2023 PROJECT # PARKS-2023-0001	
B. RYAN BELL, P.E.	DATE	THESE PLANS ARE FULL SIZE AT 11" X 17"	
RECOMMENDED BY: CHAD GILPIN, P.E CITY ENGINEER	4/27/2023 Date	BUFFALO CANYON DR	
APPROVED BY:	DATE	FOUNDERS RIDGE	
CONTRACTOR:		APPROX. SCALE: 1" = 2,000' PREPARED FOR:	NOTES: 1. THIS PROJECT LIE
CONSTRUCTION START:		CITY OF DRIPPING SPRINGS, TEXAS	 THIS PROJECT LIE THIS PROJECT LIE
CONSTRUCTION ACCEPTED:			3. BEARING ORIENTA
TOTAL CONSTRUCTION COST: PREPARED BY: T.B.P.L.S. Firm Registration # 10193770 T.B.P.E. Firm Registration # 1019770 T.B.P.E. Firm Registration # 1019770 T.B.P.E. Firm Reg		DRIPPING SPRINGS Texas	 4204, NAD83. COO A PORTION OF THI FLOOD INSURANC COUNTY, TEXAS A THE PROPOSED D THE PROPOSED IN SURVEY, RECORD PAVEMENT ANALY CONTRACTOR IS F PROJECT.

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ES WITHIN THE CITY LIMITS OF DRIPPING SPRINGS, TEXAS AND IS ZONED PP PUBLIC PARK.

ES WITHIN THE CONTRIBUTING ZONE OF THE EDWARDS AQUIFER.

ATION IS BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE ORDINATES AND DISTANCES SHOWN HEREON ARE IN GRID.

HIS PROJECT LIES WITHIN ZONE AE AS IDENTIFIED BY THE FEDERAL MANAGEMENT AGENCY CE RATE MAP COMMUNITY PANEL NO. 48209C01005F DATED SEPTEMBER 2, 2005 HAYS AND INCORPORATED AREAS. NO FILL IS BEING PLACED WITHIN THE FLOODWAY AS PART OF DRAINAGE AND ROADWAY IMPROVEMENTS.

MPROVEMENT PLANS WERE PREPARED WITH THE BEST INFORMATION AVAILABLE THROUGH D DRAWINGS, AND FIELD OBSERVATIONS. PER DIRECTION FROM THE CITY, GEOTECHNICAL (SIS AND RECOMMENDATIONS WERE NOT PERFORMED AS PART OF THE PROJECT.

RESPONSIBLE FOR ANY ADDITIONAL SURVEY VERIFICATION REQUIRED TO COMPLETE THE

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A. GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR IS TO CONTACT ONE OF THE FOLLOWING FOR THE LOCATION OF EXISTING FACILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES:
- TEXAS EXCAVATION SAFETY SYSTEM (TESS) 1-800-245-4545 TEXAS ONE CALL SYSTEM (TOCS) 1-800-344-8377
- 2. PRIOR TO ANY CONSTRUCTION, THE ENGINEER SHALL CONVENE A PRE-CONSTRUCTION CONFERENCE BETWEEN THE CITY, THE CONTRACTOR, OTHER UTILITY COMPANIES, ANY AFFECTED PARTIES AND ANY OTHER ENTITY THE CITY OR ENGINEER MAY REQUIRE.
- 3. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. OSHA STANDARDS MAY BE PURCHASED FROM THE GOVERNMENT PRINTING OFFICE: INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA, 611 E. 6TH STREET, AUSTIN, TEXAS.
- CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE, ANY 4 DAMAGE INCURRED TO EXISTING FACILITIES AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER
- CONTRACTOR TO GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS OR PERSONS IN 5. CHARGE OF PUBLIC AND PRIVATE UTILITIES AFFECTED BY HIS OPERATIONS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS REGARDING 6. EXCESS AND WASTE MATERIAL. INCLUDING METHODS OF HANDLING AND DISPOSAL
- 7. CONTRACTOR TO COORDINATE INTERRUPTIONS OF ALL UTILITIES AND SERVICES. ALL WORK TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.
- WHEN UN-LOCATED OR INCORRECTLY LOCATED, A BREAK IN UTILITY LINES, OR OTHER UTILITIES AND SERVICES ARE ENCOUNTERED DURING SITE WORK OPERATIONS, CONTRACTOR SHALL NOTIFY THE APPLICABLE UTILITY COMPANY IMMEDIATELY TO OBTAIN PROCEDURE DIRECTIONS. CONTRACTOR SHALL COOPERATE WITH THE APPLICABLE UTILITY COMPANY IN MAINTAINING ACTIVE SERVICES IN OPERATION.
- WHEN CONSTRUCTION IS BEING CARRIED OUT WITHIN EASEMENTS, THE CONTRACTOR SHALL CONFINE HIS 9. WORK TO WITHIN THE PERMANENT AND TEMPORARY EASEMENTS. PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TRASH AND DEBRIS WITHIN THE PERMANENT AND TEMPORARY EASEMENTS. CLEAN-UP SHALL BE TO THE SATISFACTION OF THE CITY.
- 10. CONTRACTOR SHALL KEEP ACCURATE RECORDS OF ALL CONSTRUCTION THAT DEVIATES FROM THE PLANS RECORD SHALL BE KEPT IN AN ONSITE SET OF MARKED-UP RECORD DRAWINGS
- 11. CONTRACTOR TO LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT ENGINEERING REFERENCE POINTS. RE-ESTABLISH DISTURBED OR DESTROYED ITEMS BY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, AT NO ADDITIONAL COST TO OWNER.
- 12. CONTRACTOR SHALL STRIP SIX (6) INCHES OF TOPSOIL FROM ALL AREAS SUBJECT TO GRADE MODIFICATION. REMOVE ALL AREAS OF WEAK SOIL
- 13. THE CONTRACTOR SHALL PROTECT ALL EXISTING FENCES. IN THE EVENT THAT A FENCE MUST BE REMOVED, THE CONTRACTOR SHALL REPLACE SAID FENCE OR PORTION THEREOF WITH THE SAME TYPE OF FENCING TO A QUALITY OF EQUAL OR BETTER THAN THE ORIGINAL FENCE.
- 14. UPON COMPLETION OF THE PROJECT, THE SITE(S) AS DEFINED HEREIN SHALL BE CLEANED OF ALL DEBRIS AND LEFT IN A NEAT AND PRESENTABLE CONDITION
- 15. ALL ADJOINING PAVEMENT SECTIONS SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION AND ANY DAMAGES INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED AND/OR REPLACED AT THE CONTRACTOR'S EXPENSE
- 16. CONTRACTOR TO CONTROL DUST CAUSED BY THE WORK AND COMPLY WITH POLLUTION CONTROL REGULATIONS OF GOVERNING AUTHORITIES (NO SEPARATE PAY).
- TRAFFIC CONTROLS TO BE INSTALLED IN ACCORDANCE WITH THE CURRENT TXDOT MANUAL ON UNIFORM 17. TRAFFIC CONTROL DEVICES AND TXDOT BARRICADE AND CONSTRUCTION STANDARDS.
- 18. RE-VEGETATE ALL DISTURBED AREAS UPON COMPLETION OF THE WORK PER CITY CONSTRUCTION STANDARDS
- 19. CONTRACTOR TO EXERCISE CAUTION DURING CONSTRUCTION NEAR AND AROUND GAS LINES AND POWER LINES.
- 20. ALL WORK IS TO BE PERFORMED BETWEEN THE FOLLOWING
 - HOURS 8:00 A.M. TO 5:00 P.M. MONDAY - FRIDAY ALL WORK REQUIRING CITY INSPECTION SHALL BE PERFORMED MONDAY THRU FRIDAY. THE CITY RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER ALL WORK PERFORMED WITHOUT INSPECTION
- 21. THE CONTRACTOR SHALL MAKE AN EXAMINATION OF THE PROJECT SITE AND COMPLETELY FAMILIARIZE HIMSELF WITH THE NATURE AND EXTENT OF ANY WORK TO BE ACCOMPLISHED. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY WORK MADE NECESSARY BY UNUSUAL CONDITIONS OR OBSTACLES ENCOUNTERED DURING THE PROGRESS OF THE WORK, WHEN SUCH CONDITIONS OR OBSTACLES ARE READILY APPARENT UPON A VISIT TO THE SITE. IF THERE ARE ANY QUESTIONS OF THIS REGARD OR IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL SITE CONDITIONS THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO THE SUBMISSION OF BIDS.
- 22. IN THOSE CASES WHERE FIXED FEATURES REQUIRE, THE DESIGN SLOPES INDICATED HEREIN AND ON THE CROSS SECTIONS MAY BE MODIFIED IN THE FIELD AS DETERMINED BY THE CITY IF EXISTING CONDITIONS SO REQUIRE.

- 23. ACCESS TO RESIDENCES, BUSINESSES, AND DRIVEWAYS ALONG THE PROJECT MUST RECEIVE PRIORITY BY THE CONTRACTOR
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF HIS MATERIALS AND EQUIPMENT FROM 24. THEFT, VANDALISM, ANIMALS, FIRE, ETC. WHILE SAID MATERIALS AND EQUIPMENT ARE ON THE PROJECT, WHETHER STORED OR INSTALLED IN PLACE, UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY.

ENVIRONMENTAL NOTES Β.

- THE CONTRACTOR TO INSTALL AND MAINTAIN EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, GRADING, OR EXCAVATION). CONTRACTOR TO REMOVE EROSION/SEDIMENTATION CONTROLS AT THE COMPLETION OF THE PROJECT AND GRASS RESTORATION.
- THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS TO BE IN ACCORDANCE WITH THE APPROVED 2. EROSION AND SEDIMENTATION CONTROL PLAN. DEVIATIONS FROM THE APPROVED PLAN MUST BE SUBMITTED TO AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- 3 ALL DISTURBED AREAS TO BE RESTORED UPON COMPLETION OF CONSTRUCTION, NO SEPARATE PAYMENT WILL BE MADE FOR RE-VEGETATION ACTIVITIES. ALL MATERIALS AND LABOR SHALL BE SUBSIDIARY TO OTHER BID ITEMS
- RESTORATION TO BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1-1/2 INCHES HIGH WITH 85% 4 COVERAGE, PROVIDED NO BARE SPOTS LARGER THAN 25 SQUARE FEET EXIST.
- 5. A MINIMUM OF FOUR (4) INCHES OF TOPSOIL TO BE PLACED IN ALL AREAS DISTURBED BY CONSTRUCTION.
- THE CONTRACTOR TO SEED. SOD OR HYDROMULCH ALL EXPOSED CUTS AND FILLS UPON COMPLETION OF 6 CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL IRRIGATION WATER REQUIRED TO ESTABLISH GRASS TO THE REQUIRED 85% COVERAGE.
- EROSION AND SEDIMENTATION CONTROLS TO BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOLEBUILDUP WITHIN TREE DRIPLINE
- TO AVOID SOIL COMPACTION, CONTRACTOR SHALL NOT ALLOW VEHICULAR TRAFFIC PARKING, OR STORAGE 8 OF EQUIPMENT OR MATERIALS IN THE TREE DRIPLINE AREAS.
- WHERE A FENCE IS CLOSER THAN FOUR (4) FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF EIGHT (8) FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE FENCING
- 10. TREES TO BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
- 11 ANY ROOT EXPOSED BY THE CONSTRUCTION ACTIVITY TO BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOPSOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN TWO DAYS, COVER THEM WITH ORGANIC MATTER IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
- CONTRACTOR TO PRUNE VEGETATION TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, 12. AND EQUIPMENT BEFORE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC.) ALL FINISHED PRUNING TO BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE "NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES".
- 13 THE CONTRACTOR IS TO INSPECT THE CONTROLS AT WEEKLY INTERVALS AND AFTER EVERY RAINFALL EXCEEDING ¼ INCH TO VERIFY THAT THEY HAVE NOT BEEN SIGNIFICANTLY DISTURBED. ANY ACCUMULATED SEDIMENT AFTER A SIGNIFICANT RAINFALL TO BE REMOVED AND PLACED IN THE OWNER DESIGNATED SPOIL DISPOSAL

EROSION & SEDIMENT CONTROL - SEQUENCE OF CONSTRUCTION: C.

- TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN CONSTRUCTION PLAN AND IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE. INSTALL TREE PROTECTION, INITIATE TREE MITIGATION MEASURES AND CONDUCT "PRE - CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE).
- THE ENVIRONMENTAL PROJECT MANAGER, AND/OR SITE SUPERVISOR, AND/OR DESIGNATED RESPONSIBLE 2. PARTY, AND THE GENERAL CONTRACTOR WILL FOLLOW THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE REVISED, IF NEEDED, TO COMPLY WITH CITY INSPECTORS' DIRECTIVES, AND REVISED CONSTRUCTION SCHEDULE RELATIVE TO THE WATER QUALITY PLAN REQUIREMENTS AND THE EROSION PLAN.
- 3. THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION SEDIMENTATION CONTROL PLAN (ESC) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE.
- BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES.
- COMPLETE CONSTRUCTION AND START RE-VEGETATION OF THE SITE AND INSTALLATION OF LANDSCAPING.
- AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE CITY INSPECTOR AND WITH APPROVAL FROM THE 6 CITY INSPECTOR, REMOVE THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND COMPLETE ANY NECESSARY FINAL RE-VEGETATION RESULTING FROM REMOVAL OF THE CONTROLS. CONDUCT ANY MAINTENANCE AND REHABILITATION OF THE WATER QUALITY PONDS OR CONTROLS.

- D. STREET AND DRAINAGE NOTES:
- HOURS NOTICE PRIOR TO ANY TESTING.
- 2. SUITABLE FOR SUSTAINING PLANT LIFE.
- 3 ON THE PLAN
- 4. ALL R.C.P. SHALL BE MINIMUM CLASS III.

Ε. TRAFFIC CONTROL:

- 1. IMPLEMENT ONE-LANE, TWO-WAY TRAFFIC CONTROL IN ACCORDANCE WITH TCP(1-2)-18.
- 2 ALL LANES SHALL BE OPENED TO TRAFFIC AT THE END OF EACH WORK DAY
 - 3 TRAFFIC CONTROL DEVICES.
 - REVIEW AND APPROVAL
 - 5. ARE TO BE MAINTAINED AT ALL TIMES.

ALL TESTING SHALL BE DONE BY AN INDEPENDENT LABORATORY AT THE CITY'S EXPENSE. ANY RETESTING SHALL BE PAID FOR BY THE CONTRACTOR. A CITY INSPECTOR SHALL BE PRESENT DURING ALL TESTS. TESTING SHALL BE COORDINATED WITH THE CITY INSPECTOR AND HE SHALL BE GIVEN A MINIMUM OF 24

BACKFILL BEHIND THE CURB SHALL BE COMPACTED TO OBTAIN A MINIMUM OF 95% MAXIMUM DENSITY TO WITHIN 3" OF TOP OF CURB. MATERIAL USED SHALL BE PRIMARILY GRANULAR WITH NO ROCKS LARGER THAN 6" IN THE GREATEST DIMENSION. THE REMAINING 3" SHALL BE CLEAN TOPSOIL FREE FROM ALL CLODS AND

DEPTH OF COVER FOR ALL CROSSINGS UNDER PAVEMENT INCLUDING GAS. ELECTRIC, TELEPHONE, CABLE TV. WATER SERVICES, ETC., SHALL BE A MINIMUM OF 30" BELOW SUBGRADE UNLESS OTHERWISE SPECIFIED

TRAFFIC CONTROL PLANS SHOWN WITHIN THESE PLANS ARE A MINIMUM REQUIREMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL SIGNS, BARRICADES, FLAGMEN OR OTHER TRAFFIC CONTROL DEVICES AS NECESSARY FOR THE SAFETY OF THE TRAVELING PUBLIC. ALL TRAFFIC CONTROLS SHALL BE COMPLIANT WITH CURRENT TEXAS MANUAL OF UNIFORM

THE CONTRACTOR MAY SUBMIT ALTERNATE TRAFFIC CONTROL PLANS TO THE CITY ENGINEER FOR

ACCESS TO ALL DRIVES, SIDE ROADS, BARNS, STABLES AND GATES, BOTH PUBLIC AND PRIVATE,

	ENGINEERING B.P.L.S. Firm Registration T.B.P.E. Firm Registration 9701 BRODIE LANE AUSTIN, TX 7874 PH: 512.220.8100	# F-9266 #203 8			
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	IAL ACTION AS PROVIDED BY FI	EDERAL LAW.			
NO.	REVISION	DATE			
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	IGNED BY: DC				
	CKED BY: RB				
PROJ #: PARKS-2023-0001					
PRC	JECT:				
R	ANCH HOUSE I PHASE 2	ROAD			
SHE	ET TITLE:				
	GENERAL NO	TES			
	2 OF 28	3			

SCHEDULE OF QUANTITIES:

		_	BASE BID	ADD ALT 1	COMBINED TOTA
TxDOT SPEC	ITEM DESCRIPTION	UNITS	QTY	QTY	QTY
0100 6001	PREPARING ROW	AC	1.28	0.43	1.71
0104 6021	REMOVING CONC (CURB)	LF	8	8	16
0110 6001	EXCAVATION (ROADWAY)	CY	894	315	1,209
0110 6002	EXCAVATION (CHANNEL)	CY	54	0	54
0164 6003	BROADCAST SEED (PERM) (RURAL) (CLAY)	SY	1,407	444	1,851
0247 6382	FL BS (CMP IN PLC)(TY A GR 5)(8")	SY	2,619	1,134	3,753
0310 6001	PRIME COAT (MULTI OPTION)	GAL	534	227	761
0432 6031	RIPRAP (STONE PROTECTION)(12 IN)	CY	40	0	40
0464 6017	RC PIPE (CL IV)(18 IN)	LF	56	0	56
0466 6003	HEADWALL (CH - FW - 0) (DIA= 18 IN)	EA	1	0	1
0467 6356	SET (TY II) (18 IN) (RCP) (3: 1) (C)	EA	2	0	2
0500 6001	MOBILIZATION	LS	1	0	1
0502 6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	2	0	2
0506 6003	ROCK FILTER DAMS (INSTALL) (TY 3)	LF	30	0	30
0506 6011	ROCK FILTER DAMS (REMOVE)	LF	30	0	30
0506 6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	944	523	1,467
0506 6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	944	523	1,467
0506 6041	BIODEG EROSN CONT LOGS (INSTL) (12")	LF	50	35	85
0506 6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	50	35	85
0529 6001	CONCRETE CURB	LF	8	8	16
0529 6032	CONCRETE GUTTER (MODIFIED)	LF	541	380	921
0531 6001	CONC SIDEWALKS (4")	SY	34	0	34
0644 6060	IN SM RD SN SUP&AM TYTWT(1)WS(P)	EA	2	0	2
0666 6170	REFL PAV MRK TY II (W) 4" (SLD)	LF	325	0	325
0666 6182	REFL PAV MRK TY II (W) 24" (SLD)	LF	42	0	42
0666 6197	REFL PAV MRK TY II (W) (SYMBOL)	EA	2	0	2
1004 6001	TREE PROTECTION	EA	20	2	22
3076 6003	D-GR HMA TY-B PG64-22 (EXEMPT)(8 IN)	SY	39	0	39
3076 6081	D-GR HMA TY-D PG70-22 (EXEMPT)(2 IN)	SY	2,670	1,131	3,801
5057 6001	PRECAST CONCRETE WHEEL STOPS	EA	2	0	2

ADD ALTERNATE 1

ALL PROPOSED WORK SHOWN ON THE PLANS BETWEEN STA 15+68.55 - 20+00.00

NOTES RELATED TO PAY ITEMS AND SPECIFICATIONS

WHERE HAYS COUNTY SPECIFICATIONS FOR ROADWAY DESIGN, PAVING AND DRAINAGE ARE IN CONFLICT WITH TXDOT SPECIFICATIONS LISTED ABOVE HAYS COUNTY SPECIFICATIONS SHALL SUPERSEDE. WHERE ADDITIONAL INFORMATION PROVIDED BELOW CONFLICTS WITH EITHER THE TXDOT OR HAYS COUNTY SPECIFICATIONS THE INFORMATION BELOW SHALL SUPERSEDE.

THERE WILL BE NO SEPARATE PAY ITEM FOR TEMPORARY WATER FOR IRRIGATION AND ESTABLISHMENT OF GRASSES. ALL IRRIGATION WATER REQUIRED FOR THE ESTABLISHMENT OF 85% COVER FOR THIS PROJECT SHALL BE SUBSIDIARY TO THIS PAY ITEM.

THERE WILL BE NO SEPARATE PAY ITEM FOR FURNISHING AND PLACING TOPSOIL. ON-SITE EXCAVATED SOILS OR ON-SITE SOIL STOCKPILES LOCATED NEAR THE RANCH HOUSE PAVILION CENTER MAY BE USED FOR TOPSOIL AND SHOULDER EMBANKMENT PURPOSES UPON APPROVAL BY THE ENGINEER.

TXDOT ITEM 110 - EXCAVATION (ROADWAY)

REMOVAL OF EXISTING ASPHALT AND BASE MATERIAL SHALL BE SUBSIDIARY TO THIS PAY ITEM.

TXDOT ITEM 351- CONC SIDEWALKS

RELOCATING EXISTING WOODEN PEDESTRIAN FENCE & RECONSTRUCTING PORTION OF EXISTING WOOD FENCE IS SUBSIDIARY TO THIS PAY ITEM.

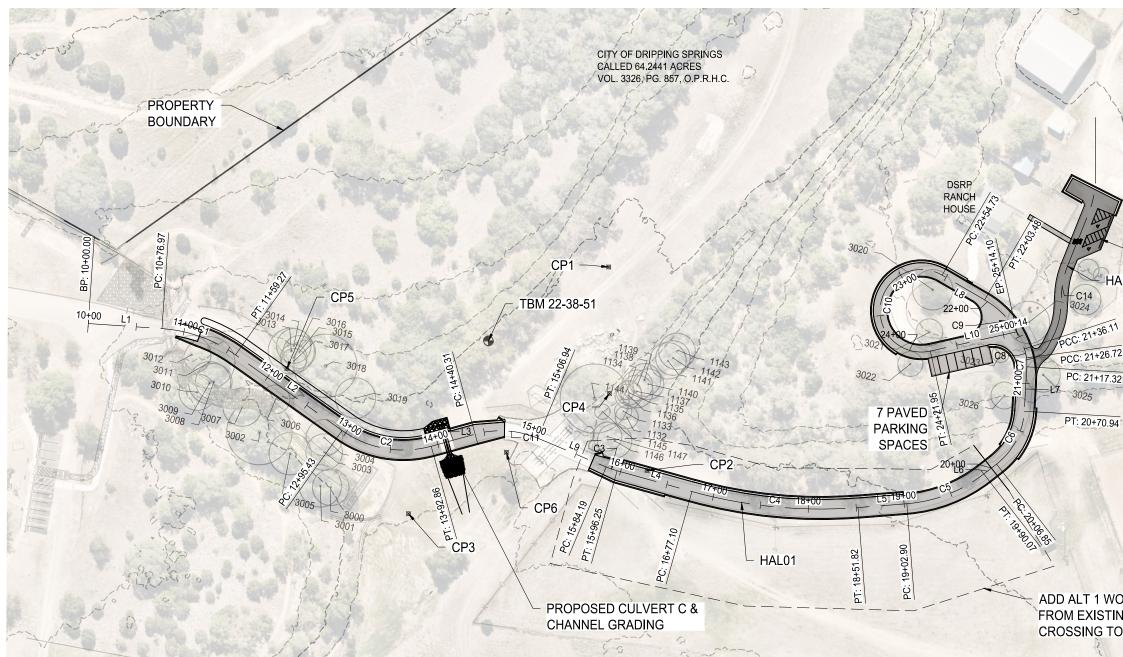
TXDOT ITEM 666 - REFLECTORIZED PAVEMENT MARKINGS GLASS BEADS ARE NOT REQUIRED FOR PARKING PAVEMENT MARKINGS.

TXDOT ITEM 3076 - HOT MIX ASPHALT CONCRETE PAVEMENT

HMAC, TACK COAT AND PRIME COAT SHALL BE APPLIED AT THE FOLLOWING RATES:

HMAC TY B	115 LB/SY/IN
HMAC TY D	115 LB/SY/IN
PRIME COAT	0.2 GAL/SY

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т	T.B.P.E.	Firm Registra Firm Registra	ition	# F-9266
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NOTES:

- 1
- SEE ROADWAY DETAILS SHEET 11 FOR PROPOSED ROADWAY TYPICAL SECTIONS. CONTRACTOR SHALL TIE PROPOSED PAVEMENT TO EXISTING GROUND, MAINTAIN EXISTING DRAINAGE PATTERNS UNLESS OTHERWISE NOTED. CONTRACTOR SHALL RE-VEGETATE ALL DISTURBED AREAS. 2.
- 3.
- CONTRACTOR SHALL SAW-OUT AND/OR ADJUST EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH AND CONTINUOUS TRANSITION GRADE. 4.
- 5. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY OBSTRUCTIONS THAT MAY IMPEDE OR PREVENT THE PROPER CONSTRUCTION OF THE PROJECT.

BENCHMARK: TBM 22-38-51: COTTON SPINDLE SET IN ELM TREE, 120' SOUTH OF CREEK, 100' WEST OF ASPHALT ROAD. ELEVATION 1,10.52 FT

PAVED PARKING SUMMARY: NEW SPACES: 7 NEW ACCESSIBLE SPACES: 2 NEW SPACES TOTAL: 9

<u>C</u>	ONTROL POIL	NT SUMMARY	<u>Y</u>
POINTID	NORTHING	EASTING	ELEVATION
TBM1	13991844.0200'	2256189.6390'	1150.52'
CP1	13991875.0100'	2256045.8680'	1149.02'
CP2	13992055.7700'	2256163.5470'	1147.77'
CP3	13991916.5500'	2256374.2430'	1145.27'
CP4	13991970.7000'	2256136.3550'	1144.40'
CP5	13991719.6662'	2256361.2247'	1151.76'
CP6	13991940.8300'	2256256.2820'	1145.96'
-			

2 PAVE AL02 ACCES PARKIN SPACE	SIBLE	·	B. RYAN BELL 92578 CENSING	n # 10193770 n # F-9266 #203 8
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72 32 4	·····	THE DES COPYRI PROTEC AMENDI OR THE SUBJEC JUDICIA	GHT NOTICE: SIGNS REPRESENTED BY TH GHTED AND ARE SUBJECT T TION UNDER TU JS.C. §101 DESIGNS REPRESENTED TH T THE INFRINGER TO DAMAC LACTION AS PROVIDED BY F SIONS:	D COPYRIGHT ET SEQ., AS THESE PLANS EREIN WILL SES AND/OR
1	42	NO.	REVISION	DATE
YORK AREA: ING LOW WATER O STA 20+00.00	50' 100'		GNED BY: DO	<u>2</u> 3
SC SC	ALE : 1" = 100'		(iii	
\$ ` `	LEGEND PROPOSED ASPHALT PAVEMENT BENCHMARK		DRIPPING SPRII	NGS
\mathbf{A}	CONTROL POINT	PROJ	ECT:	
\bigcirc	EXIST TREE TO REMAIN	RA	NCH HOUSE PHASE 2	ROAD
	EXIST 25' CONTOUR		TT TITLE: VERALL SITE	PLAN
			4 OF 28	3

BEGIN HAL01 N 13,991,542.7907 E 2,256,478.2823 10+00.00

BEGIN LINE 1 (L1) N42° 19' 36"W 76,97' N 13,991,599.6968 E 2,256,426.4532 10+76.97 END LINE 1 (L1)

BEGIN CURVE 1 (C1) BC N 13.991.599.6968 E 2.256.426.4532 10+76.97 CTR N 13,991,700,7003 E 2,256,537,3508 PIN 13.991.630.9064 E 2.256.398.0280

DIRECTION BACK N42° 19' 36"W RADIUS 150.00' DELTA 31°26'10"(RT) LENGTH 82.30' TANGENT 42,21 CHORD DIRECTION N26° 36' 31"W DISTANCE 81,27' DIRECTION AHEAD N10° 53' 26"W

EC N 13,991,672.3602 E 2,256,390.0524 11+59.27 END CURVE 1 (C1)

BEGIN LINE 2 (L2) N10° 53' 26"W 136.16' N 13,991,806.0633 E 2,256,364.3280 12+95.43 END LINE 2 (L2)

BEGIN CURVE 2 (C2) BC N 13,991,806.0633 E 2,256,364.3280 12+95.43 CTR N 13.991.785.2806 E 2.256.256.3091 PIN 13.991.857 2958 E 2.256.354 4709

DIRECTION BACK N10° 53' 26"W RADIUS 110.00' DELTA 50°44'57"(LT) LENGTH 97.43' TANGENT 52,17 CHORD DIRECTION N36° 15' 55"W DISTANCE 94.28' DIRECTION AHEAD N61° 38' 23"W

EC N 13.991.882.0782 E 2.256.308.5606 13+92.86 END CURVE 2 (C2)

BEGIN LINE 3 (L3) N61° 38' 23"W 47.45' N 13,991,904.6191 E 2,256,266.8028 14+40.31 END LINE 3 (L3)

BEGIN CURVE 11 (C11) BC N 13,991,904 6191 E 2,256,266 8028 14+40 31 CTR N 13,991,992.6170 E 2,256,314.3042 PIN 13,991,921.0557 E 2,256,236.3534

DIRECTION BACK N61° 38' 23"W RADIUS 100.00' DELTA 38°10'25"(RT) LENGTH 66.63' TANGENT 34.60' CHORD DIRECTION N42° 33' 10"W DISTANCE 65.40' DIRECTION AHEAD N23° 27' 58"W

EC N 13,991,952,7964 E 2,256,222,5745 15+06,94 END CURVE 11 (C11)

BEGIN LINE 9 (L9) N23° 27' 58"W 77.25' N 13.992.023.6600 E 2.256.191.8121 15+84.19 END LINE 9 (L9)

BEGIN CURVE 3 (C3) BC N 13,992,023.6600 E 2,256,191.8121 15+84.19 CTR N 13,991,985.8305 E 2,256,104.6689 PIN 13,992,029,1994 E 2,256,189,4074

DIRECTION BACK N23° 27' 58"W RADIUS 95.00' DELTA 7°16'28"(LT) LENGTH 12.06' TANGENT 6 04' CHORD DIRECTION N27° 06' 12"W DISTANCE 12.05' DIRECTION AHEAD N30° 44' 25"W

EC N 13,992,034.3897 E 2,256,186.3207 15+96.25 END CURVE 3 (C3)

BEGIN LINE 4 (L4) N30° 44' 25"W 80,85' N 13,992,103.8804 E 2,256,144.9939 16+77.10 END LINE 4 (L4) BEGIN CURVE 4 (C4) BC N 13.992.103.8804 E 2.256.144.9939 16+77.10 CTR N 13,991,848.3061 E 2,255,715.2477 PI N 13,992,179,7405 E 2,256,099,8792

DIRECTION BACK N30° 44' 25"W RADIUS 500.00' DELTA 20°01'18"(LT) LENGTH 174,72' **TANGENT 88.26'** CHORD DIRECTION N40° 45' 04"W DISTANCE 173.84' DIRECTION AHEAD N50° 45' 44"W

EC N 13.992.235.5695 E 2.256.031.5184 18+51.82 END CURVE 4 (C4)

BEGIN LINE 5 (L5) N50° 45' 44"W 51.07 N 13,992,267.8741 E 2,255,991.9624 19+02.90 END LINE 5 (L5)

BEGIN CURVE 5 (C5) BC N 13,992,267 8741 F 2,255,991 9624 19+02 90 CTR N 13,992,151.6951 E 2,255,897.0812 PI N 13.992.296.2472 E 2.255.957.2204

DIRECTION BACK N50° 45' 44"W RADIUS 150.00' DELTA 33°17'51"(LT) LENGTH 87.17' TANGENT 44,86' CHORD DIRECTION N67° 24' 39"W DISTANCE 85.95' DIRECTION AHEAD N84° 03' 34"W

EC N 13,992,300.8896 E 2,255,912.6055 19+90.07 END CURVE 5 (C5)

BEGIN LINE 6 (L6) N84° 03' 34"W 16.78' N 13.992.302.6262 E 2.255.895.9153 20+06.85 END LINE 6 (L6)

BEGIN CURVE 6 (C6) BC N 13,992,302,6262 E 2,255,895,9153 20+06,85 CTR N 13,992,228.0290 E 2,255,888.1532 PIN 13,992,306,1605 E 2,255,861,9496

DIRECTION BACK N84° 03' 34"W RADIUS 75.00' DELTA 48°57'42"(LT) LENGTH 64.09' **TANGENT 34.15'** CHORD DIRECTION S71° 27' 35"W DISTANCE 62.16' DIRECTION AHEAD S46° 58' 44"W

EC N 13,992,282,8617 E 2,255,836,9831 20+70,94 END CURVE 6 (C6)

BEGIN LINE 7 (L7) S46° 58' 44"W 46.39 N 13,992,251,2146 E 2,255,803,0707 21+17.32 END LINE 7 (L7)

BEGIN CURVE 7 (C7) BC N 13,992,251,2146 E 2,255,803.0707 21+17.32 CTR N 13,992,214,6594 E 2,255,837,1841 PI N 13,992,248.0006 E 2,255,799.6267

DIRECTION BACK S46° 58' 44"W **RADIUS 50.00'** DELTA 10°45'52"(LT) LENGTH 9.39' TANGENT 4.71' CHORD DIRECTION S41° 35' 48"W DISTANCE 9.38' DIRECTION AHEAD S36° 12' 52"W

EC N 13,992,244.1999 E 2,255,796.8436 21+26.72 END CURVE 7 (C7)

COMPOUND CURVE

DELTA 10°45'52"(LT)

LENGTH 9,39'

TANGENT 4,71'

END CURVE 8 (C8)

COMPOUND CURVE

BEGIN CURVE 9 (C9)

RADIUS 93.00'

LENGTH 67.37

TANGENT 35.24'

END CURVE 9 (C9)

BEGIN LINE 8 (L8)

END LINE 8 (L8)

RADIUS 43,00'

LENGTH 167.21'

TANGENT 109.71'

END CURVE 10 (C10)

BEGIN LINE 10 (L10)

N58° 51' 37"W 92.15

END LINE 10 (L10)

END HAL01

DELTA 222°48'15"(LT)

S16° 03' 22"E 51.25'

BEGIN CURVE 10 (C10)

DELTA 41°30'22"(LT)

BEGIN CURVE 8 (C8) BC N 13.992.244 1999 E 2.255.796.8436 21+26.72

DIRECTION AHEAD S25° 27' 00"W

DIRECTION BACK S36° 12' 52"W RADIUS 50 00'

CHORD DIRECTION S30° 49' 56"W DISTANCE 9,38'

EC N 13.992.236.1456 E 2.255.792.0361 21+36.11

BC N 13,992,236,1456 E 2,255,792.0361 21+36.11

CHORD DIRECTION S4° 41' 49"W DISTANCE 65.91'

EC N 13,992,170,4596 E 2,255,786,6392 22+03,48

N 13,992,121.2077 E 2,255,800.8142 22+54.73

BC N 13.992.121.2077 É 2.255.800.8142 22+54.73

CHORD DIRECTION N52° 32' 30"E DISTANCE 80.07'

EC N 13,992,169.9047 E 2,255,864.3732 24+21.95

N 13,992,217.5575 E 2,255,785.5014 25+14.10

N 13,992,217 5575 E 2,255,785 5014 25+14.10

CTR N 13,992,133.1005 E 2,255,842.1368

PIN 13,992,226.6390 E 2,255,770.4705

DIRECTION BACK S16° 03' 22"E

DIRECTION AHEAD N58° 51' 37"W

CTR N 13,992,196.1813 E 2,255,876.0114

PIN 13,992,204,3251 E 2,255,776,8925

DIRECTION BACK S25° 27' 00"W

DIRECTION AHEAD S16° 03' 22"E

CTR N 13,992,214.6594 E 2,255,837.1841

PIN 13.992.240.3992 E 2.255.794.0604

BEGIN Curve 12 (C12)

BC N 13,992,247 1042 E 2,255,795,8486 10+02.55 CTR N 13,992,227.4386 E 2,255,780.4128 PI N 13.992.255.5193 E 2.255.785.1275

Begin HAL02

BEGIN Line 11 (L11)

N51° 52' 16"W 2.55'

END Line 11 (L11)

Direction Back N51° 52' 16"W Radius 25.00 Delta 57°11'44"(LT) Length 24.96' Tangent 13.63 Chord Direction N80° 28' 08"W Distance 23.93' Direction Ahead S70° 56' 00"W

N 13,992,245.5310 E 2,255,797.8529 10+00.00

N 13,992,247.1042 E 2,255,795.8486 10+02.55

EC N 13,992,251 0670 E 2,255,772 2461 10+27 50 END Curve 12 (C12)

BEGIN Line 12 (L12) S70° 56' 00"W 11.75' N 13.992.247.2293 E 2.255.761.1425 10+39.25 END Line 12 (L12)

BEGIN Curve 13 (C13) BC N 13,992,247 2293 E 2,255,761.1425 10+39.25 CTR N 13,992,181.0696 E 2,255,784.0093 PI N 13,992,242,3861 E 2,255,747,1299

Direction Back S70° 56' 00"W Radius 70.00 Delta 23°55'01"(LT) Length 29.22' Tangent 14.83 Chord Direction S58° 58' 29"W Distance 29.01' Direction Ahead S47° 00' 59"W

EC N 13,992,232.2779 E 2,255,736.2840 10+68.47 END Curve 13 (C13)

BEGIN Line 13 (L13) S47° 00' 59"W 16.85' N 13,992,220,7890 E 2,255,723,9565 10+85.32 END Line 13 (L13)

BEGIN Curve 14 (C14) BC N 13,992,220,7890 E 2,255,723,9565 10+85.32 CTR N 13,992,286,6283 E 2,255,662,5954 PI N 13,992,210.7977 E 2,255,713.2361

Direction Back S47° 00' 59"W Radius 90.00 Delta 18°29'47"(RT) Length 29.05' Tangent 14.65 Chord Direction S56° 15' 52"W Distance 28.93' Direction Ahead S65° 30' 45"W

EC N 13.992.204.7235 E 2.255.699.8998 11+14.38 END Curve 14 (C14)

N 13,992,180.0586 E 2,255,645.7457 11+73.88

BC N 13,992,180.0586 E 2,255,645.7457 11+73.88

CTR N 13,992,089,0533 E 2,255,687,1950

Chord Direction S54° 33' 26"W Distance 38.01'

PI N 13,992,172.0352 E 2,255,628.1297

BEGIN Line 14 (L14) S65° 30' 45"W 59.51

END Line 14 (L14)

Radius 100.00'

Length 38.24'

Tangent 19.36'

Delta 21°54'38"(LT)

BEGIN Curve 15 (C15)

Direction Back S65° 30' 45"W

Direction Ahead S43° 36' 07"W

N 13,992,113.0754 E 2,255,571.9792 12+74.19

END Curve 15 (C15)

BEGIN Line 15 (L15)

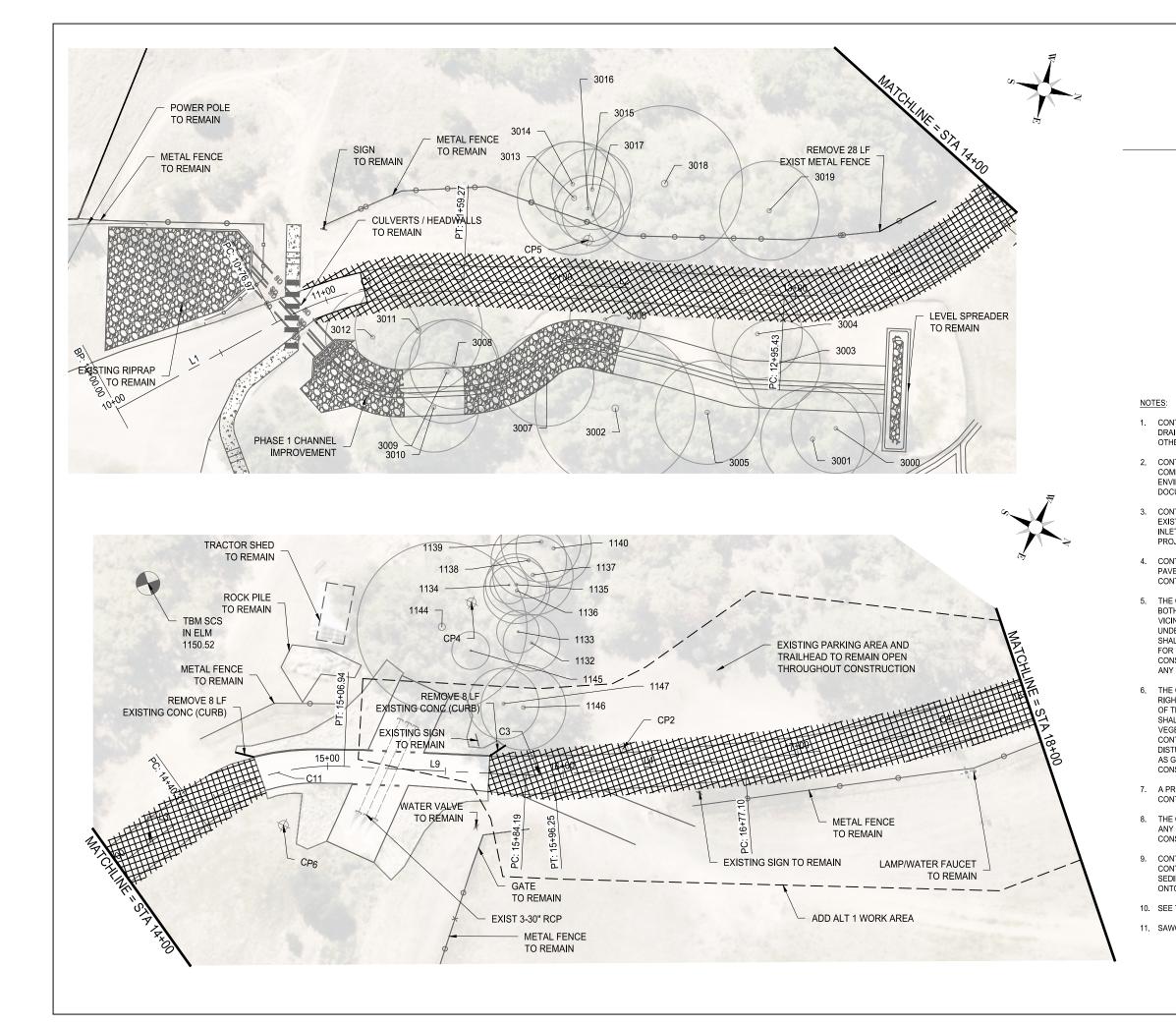
S43° 36' 07"W 62.06'

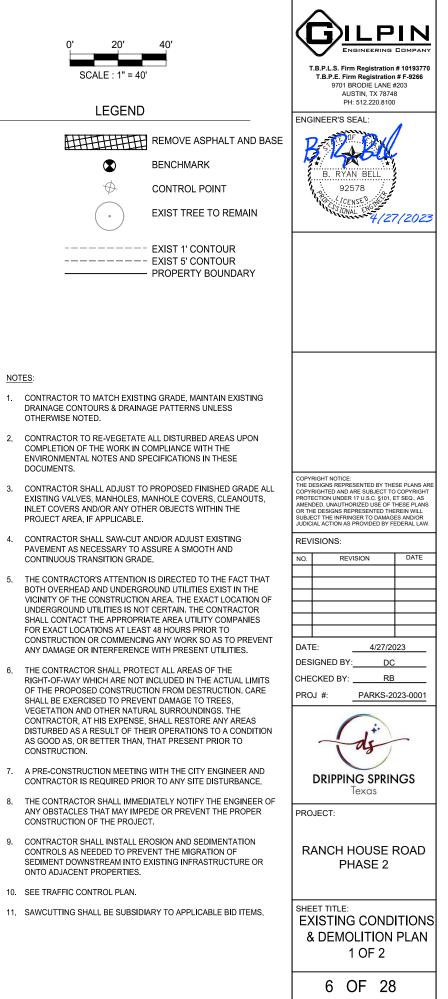
END Line 15 (L15)

End HAI 02

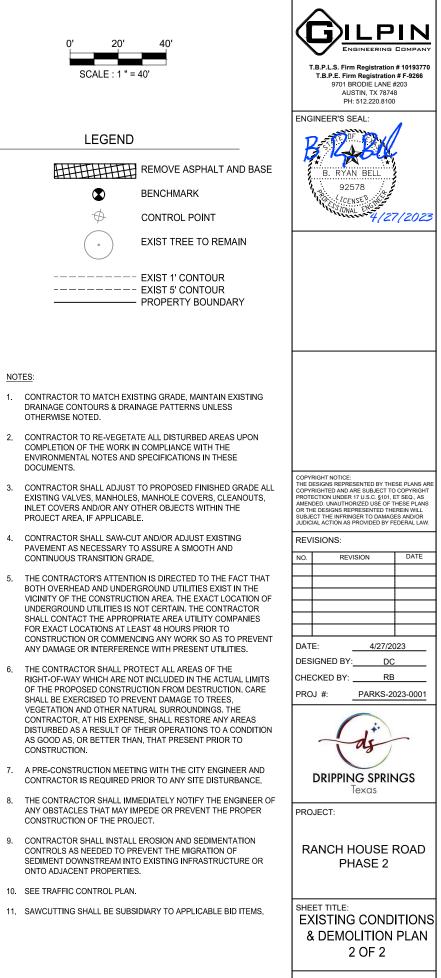
N 13.992.113.0754 E 2.255.571.9792 12+74.19

ENGINEER'S SEAL B. RYAN BELL 92578 VICENSE 920 BELANCE PC 100 PC
T.B.P.L.S. Firm Registration # 10193770 T.B.P.E. Firm Registration # F-9266 9701 BRODIE LANE #203 AUSTIN, TX 78748 PH: 512.220.8100 ENGINEER'S SEAL: B. RYAN BELL 92578 (CENSE)
T.B.P.E. Firm Registration # F-9266 9701 BRODIE LANE #203 AUSTIN, TX 78748 PH: 512 220.8100 ENGINEER'S SEAL: B. RYAN BELL 92578 /CENSE
PH: 512.220.8100 ENGINEER'S SEAL: B. RYAN BELL 92578 (700000000000000000000000000000000000
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4/27/2023
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THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION UNDER 17 U.S.C. §101, ET SEQ., AS AMENDED. UNAUTHORIZED USE OF THESE PLANS
OR THE DESIGNS REPRESENTED THEREIN WILL SUBJECT THE INFRINGER TO DAMAGES AND/OR
JUDICIAL ACTION AS PROVIDED BY FEDERAL LAW.
NO. REVISION DATE
DATE: <u>4/27/2023</u>
DATE: <u>4/27/2023</u> DESIGNED BY: <u>DC</u>
DATE: <u>4/27/2023</u> DESIGNED BY: <u>DC</u> CHECKED BY: <u>RB</u>
DATE: 4/27/2023 DESIGNED BY: DC CHECKED BY: RB PROJ #: PARKS-2023-0001
DATE: 4/27/2023 DESIGNED BY: DC CHECKED BY: RB PROJ #: PARKS-2023-0001
DATE: 4/27/2023 DESIGNED BY: DC CHECKED BY: RB PROJ #: PARKS-2023-0001 CHECKED BY: RB PROJ #: PARKS-2023-0001 CHECKED BY: RB PROJECT: RANCH HOUSE ROAD
DATE: 4/27/2023 DESIGNED BY: DC CHECKED BY: RB PROJ #: PARKS-2023-0001 CHEPPING SPRINGS Texas
DATE: 4/27/2023 DESIGNED BY: DC CHECKED BY: RB PROJ #: PARKS-2023-0001 CHECKED BY: RB PROJ #: PARKS-2023-0001 CHECKED BY: RB PROJECT: RANCH HOUSE ROAD
DATE: 4/27/2023 DESIGNED BY: DC CHECKED BY: RB PROJ #: PARKS-2023-0001 CHECKED BY: RB PROJ #: PARKS-2023-0001 CHECKED BY: RB PROJECT: RANCH HOUSE ROAD
DATE: 4/27/2023 DATE: 4/27/2023 DESIGNED BY: DC CHECKED BY: RB PROJ #: PARKS-2023-0001 DRIPPING SPRINGS DRIPPING SPRINGS Texas PROJECT: RANCH HOUSE ROAD PHASE 2 SHEET TITLE: HORIZONTAL
DATE: <u>4/27/2023</u> DATE: <u>4/27/2023</u> DESIGNED BY: <u>DC</u> CHECKED BY: <u>RB</u> PROJ #: <u>PARKS-2023-0001</u>

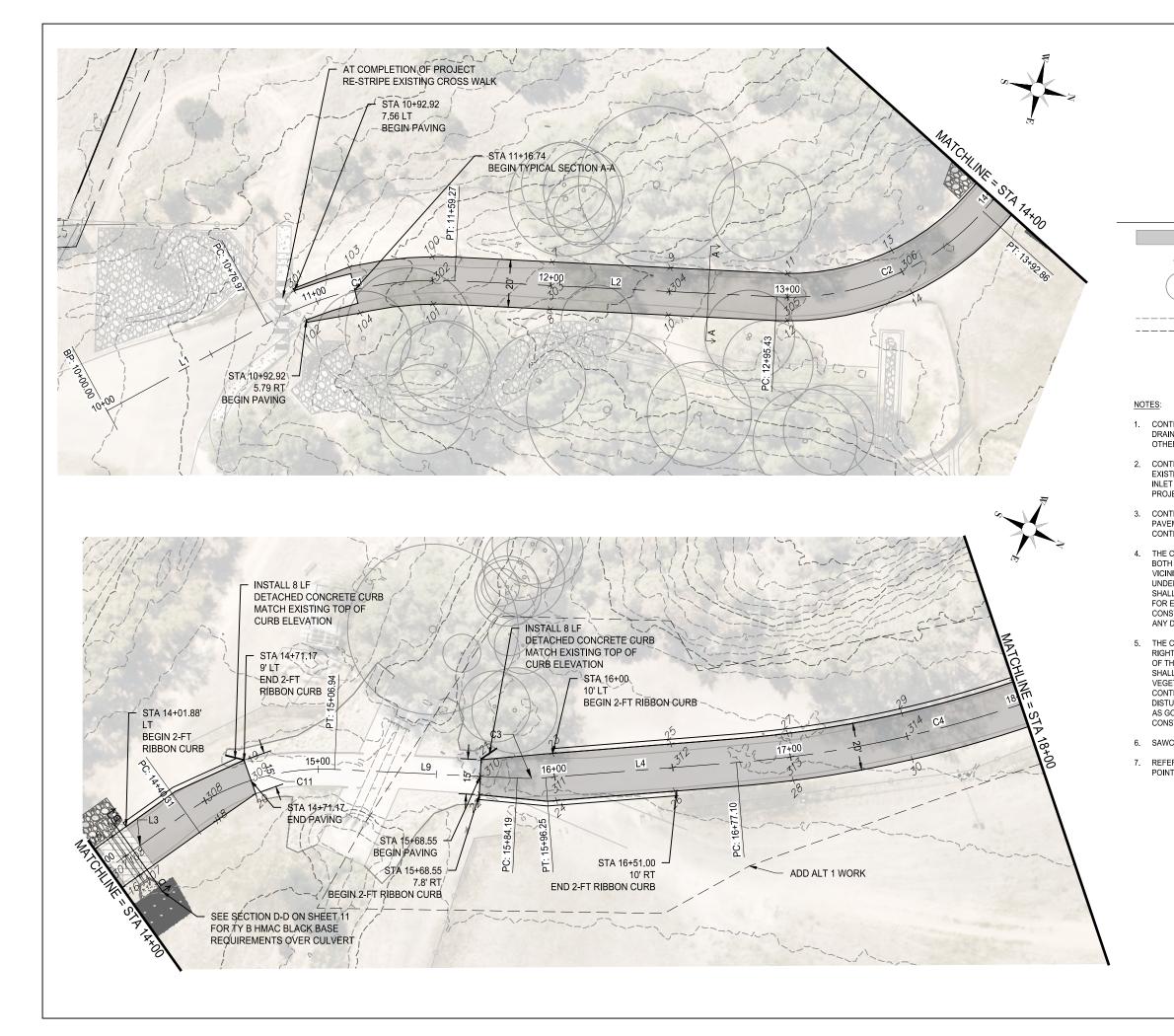


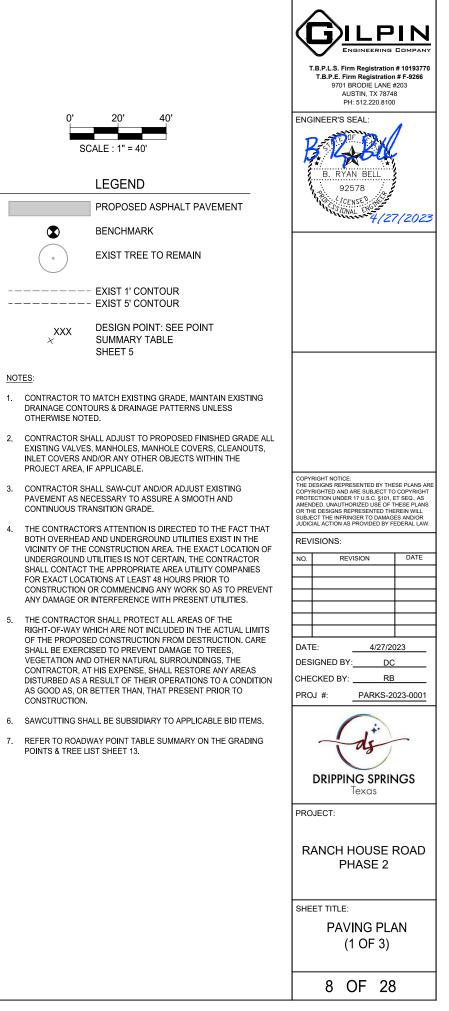


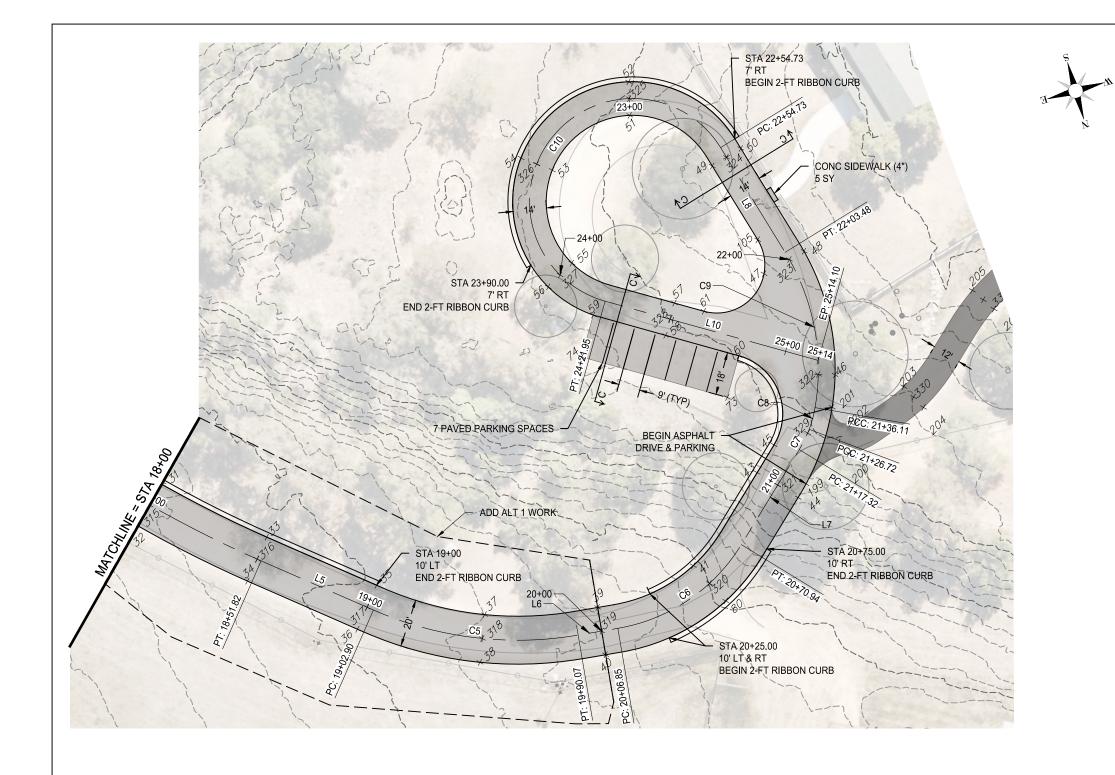




7 OF	28
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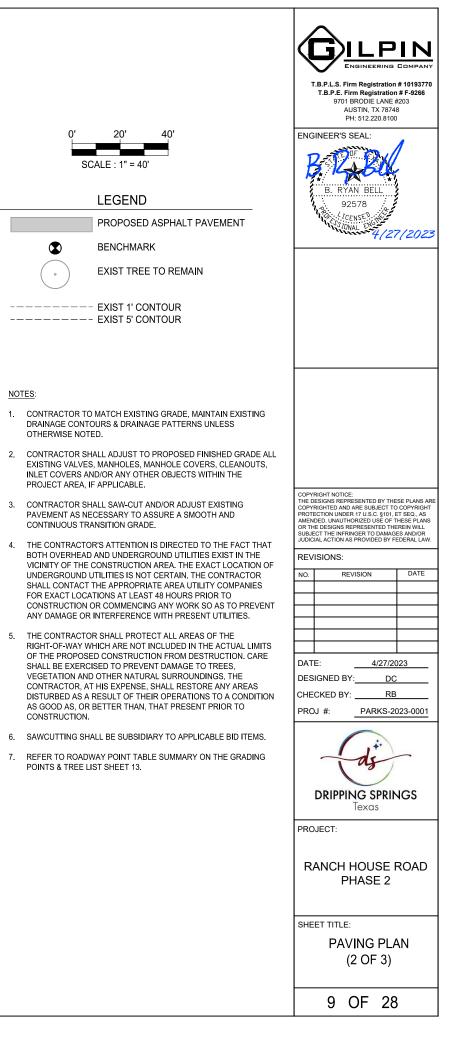


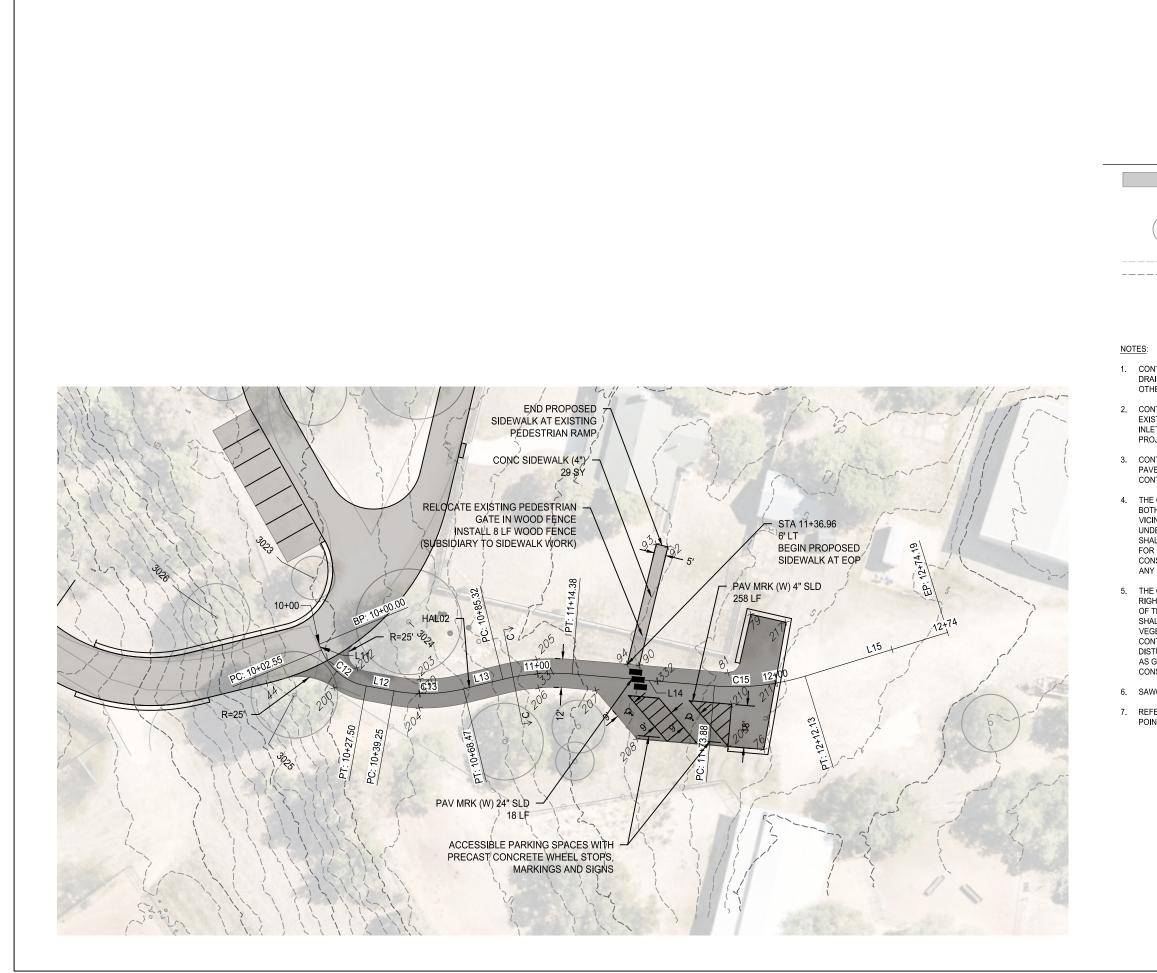


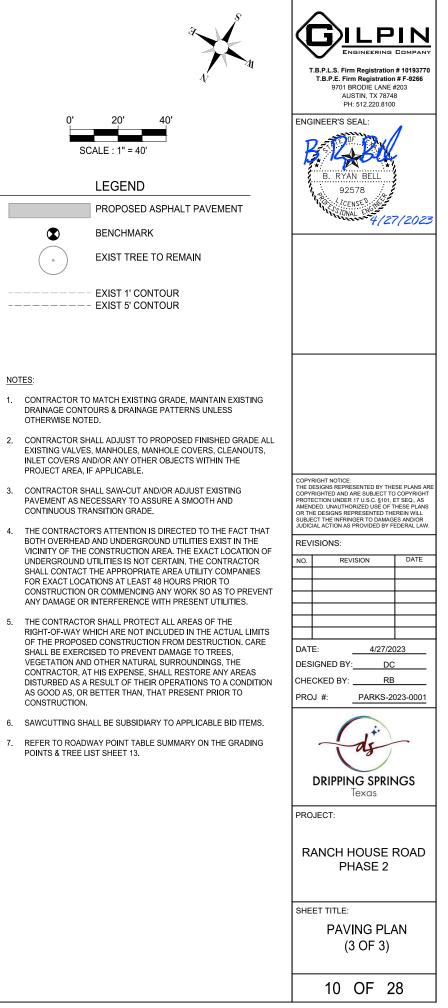
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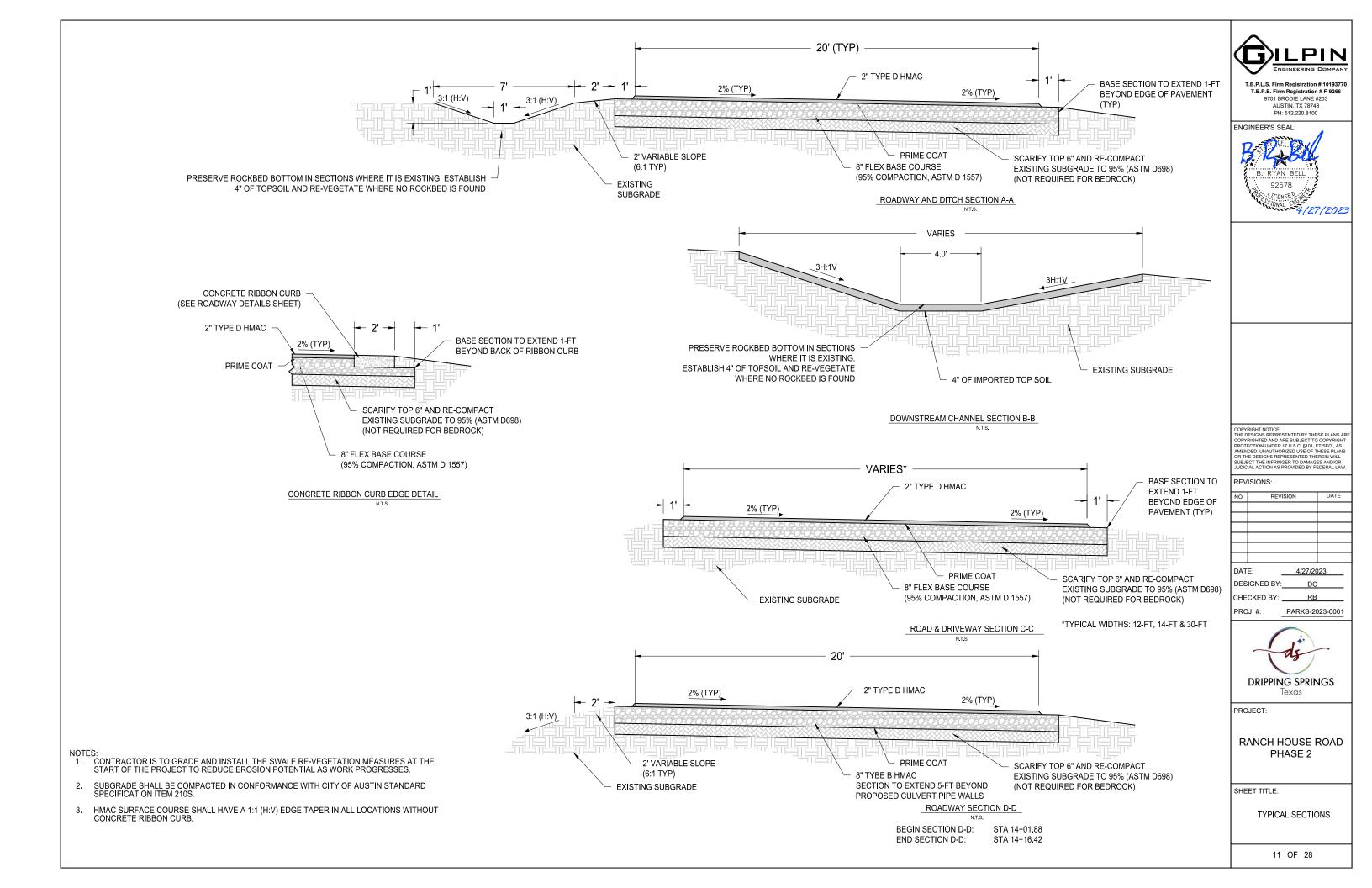
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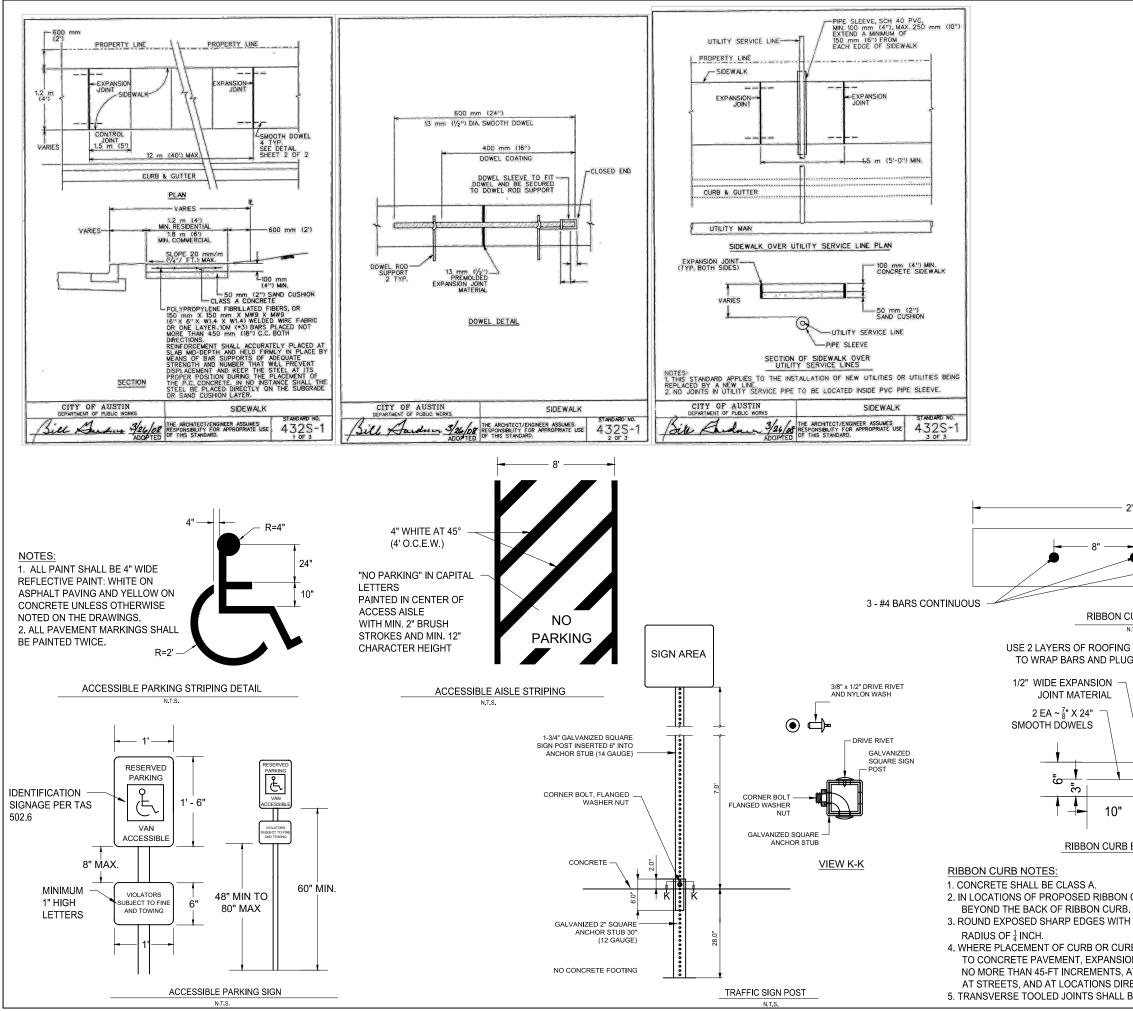
5.











	CONTRACTOR OF CONTRACT OF CONT
2'-0" CLASS A CONCRETE	COPYRIGHT NOTICE: THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTON UNDER 17 U.S. (\$101, ET SEC., AS AMENDED. UNAUTHORIZED USE OF THESE PLANS SUBJECT THE INFRINGER TO DAMAGES AND/OR JUDICIAL ACTION AS PROVIDED BY FEDERAL LAW. REVISIONS: NO. REVISION DATE NO. REVISION
URB DETAIL IT.S. FELT TOP OF CURB TOP OF PAVEMENT TOP OF PAVEMENT TOP OF PAVEMENT TOP OF PAVEMENT TOP OF PAVEMENT TOP OF PAVEMENT	DATE: <u>4/27/2023</u> DESIGNED BY: <u>DC</u> CHECKED BY: <u>RB</u> PROJ #: <u>PARKS-2023-0001</u> DRIPPING SPRINGS Texas PROJECT: RANCH HOUSE ROAD
CURB, EXTEND THE FLEX BASE 1-FT A ROUNDING TOOL, TO A MINIMUM B AND GUTTER IS NOT ADJACENT ON JOINTS SHALL BE PROVIDED AT AT STRUCTURES, CURB RETURNS ECTED BY THE ENGINEER.	ROADWAY DETAILS
BE PLACED AT 15-FT INCREMENTS.	12 UF 20

ROADWAY GRADING POINT SUMMARY TABLE

Image Image <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>EXIST</th><th>PROP</th><th>EXIST CROSS</th><th>PROP CROSS</th></th<>							EXIST	PROP	EXIST CROSS	PROP CROSS
102 13991617.46 25782 115.23 <th115.23< th=""> <th115.23< th=""> 115.23<!--</th--><th>POINT</th><th>NORTHING</th><th>EASTING</th><th>ALIGNMENT</th><th>STA</th><th>OFF</th><th></th><th></th><th></th><th>SLOPE</th></th115.23<></th115.23<>	POINT	NORTHING	EASTING	ALIGNMENT	STA	OFF				SLOPE
102 13991163.7.6 25782.4.2.3 115.7.3 115.7.3 16.5.9.4 6.5.9.4.4 103 1399162.7.2 255834.9.7 HAUDI 11+15.7.4 1.0 1155.70 1.5.7.0 1.80% -1.80% 103 1399166.8.2 225641.7.7 HAUDI 11+5.00 1.0 1154.2 15.4.2 6.5.0% 2.00% 103 1399165.8.1 255640.7.7 HAUDI 11.000 1.0 1151.81 15.1.55 1399174.25 255632.3 HAUDI 124000 1.0 1151.85 8 1399174.25 255633.3 HAUDI 124000 1.0 1149.52 1.4.0.4 -2.00% 304 1399174.25 255633.4 HAUDI 124500 1.0 1.149.51 1.14.82 10 1399174.25 256373.1 HAUDI 134000 1.14.82 1.4.0.0 2.00% 304 139184.84 256373.1 HAUDI 134000 1	301	13991607.567	2256410.260	HAL01	10+92.92	-7.56	1158.11	1158.11		
104 1399166.85 225642.76 HA(01 11-574 10 11539 1154.20 11-580 1154.20 1154.20 154.20 154.20 1399166.81 2256401.77 HA(01 11-500 0 1154.21 1154.20	102		2256421.03		10+92.92				-6.59%	-6.59%
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38 13992300.82 2255955.06 HAL01 19+50.00 10 1151.15 1150.91 -2.30% -1.00% 39 13992291.97 2255901.69 HAL01 20+00.00 -10 1152.32 1152.32 -1.00% -1.00% 319 13992301.92 2255902.73 HAL01 20+00.00 0 1152.42 1152.42 - - 40 13992311.86 2255903.76 HAL01 20+00.00 10 1152.57 1150.55 1.50% 1.00% 41 13992285.93 2255858.62 HAL01 20+50.00 -10 1155.35 155.55 -3.00% -1.00% 320 13992294.84 2255854.07 HAL01 20+50.00 0 1155.65 1.55.65 - -	37	13992282.18	2255947.81	HAL01	19+50.00	-10	1151.11	1151.11	-2.70%	1.00%
39 13992291.97 2255901.69 HAL01 20+00.00 -10 1152.32 1152.32 -1.00% -1.00% 319 13992301.92 2255902.73 HAL01 20+00.00 0 1152.42 1152.42 - - 40 13992311.86 2255903.76 HAL01 20+00.00 10 1152.57 1152.52 1.50% 1.00% 41 13992285.93 2255858.62 HAL01 20+50.00 -10 1155.35 1155.55 -3.00% -1.00% 320 13992294.84 2255854.07 HAL01 20+50.00 0 1155.65 1-5.65 - -	318	13992291.5	2255951.44	HAL01	19+50.00	0	1151.38	1151.01	-	-
319 13992301.92 2255902.73 HAL01 20+00.00 0 1152.42 1152.42 - - 40 13992311.86 2255903.76 HAL01 20+00.00 10 1152.57 1152.52 1.50% 1.00% 41 13992285.93 2255858.62 HAL01 20+50.00 -10 1155.35 155.55 -3.00% -1.00% 320 13992294.84 2255854.07 HAL01 20+50.00 0 1155.65 1-5.65 - -	38	13992300.82	2255955.06	HAL01	19+50.00	10	1151.15	1150.91	-2.30%	-1.00%
40 13992311.86 2255903.76 HAL01 20+00.00 10 1152.57 1152.52 1.50% 1.00% 41 13992285.93 2255858.62 HAL01 20+50.00 -10 1155.35 1155.55 -3.00% -1.00% 320 13992294.84 2255854.07 HAL01 20+50.00 0 1155.65 1155.65 - -	39	13992291.97	2255901.69	HAL01	20+00.00	-10	1152.32	1152.32	-1.00%	-1.00%
41 13992285.93 2255858.62 HAL01 20+50.00 -10 1155.35 1155.55 -3.00% -1.00% 320 13992294.84 2255854.07 HAL01 20+50.00 0 1155.65 1155.65 - -	319	13992301.92	2255902.73	HAL01	20+00.00	0	1152.42	1152.42	-	-
320 13992294.84 2255854.07 HAL01 20+50.00 0 1155.65	40	13992311.86	2255903.76	HAL01	20+00.00	10	1152.57	1152.52	1.50%	1.00%
320 13992294.84 2255854.07 HAL01 20+50.00 0 1155.65	41	13992285.93	2255858.62	HAL01	20+50.00	-10	1155.35	1155.55	-3.00%	-1.00%
	80	13992303.75	2255849.53	HAL01	20+50.00	10	1155.53	1155.75	-1.20%	1.00%

POINT	NORTHING	EASTING	ALIGNMENT	STA	OFF	EXIST	PROP	EXIST CROSS	PROP CROSS
10111	Noninina	LASTING	ALIGHTILIT	317	0	ELEV	ELEV	SLOPE	SLOPE
43	13992255.72	2255822.56	HAL01	21+00.00	-10	1163.14	1163.21	-0.70%	0.00%
321	13992263.03	2255815.74	HAL01	21+00.00	0	1163.21	1163.21	-	-
44	13992270.35	2255808.91	HAL01	21+00.00	10	1162.49	1163.21	-7.20%	0.00%
45	13992246.5	2255812.67	HAL01	21+13.52	-10	1164.57	1164.57		
329	13992245.53	2255797.85	HAL01	21+25.05	0	1165.21	1165.21	-	-
322	13992223.21	2255787.02	HAL01	21+50.00	0	1165.94	1165.85	-	-
46	13992225.24	2255780.33	HAL01	21+50.00	7	1165.99	1165.99	0.71%	2.00%
47	13992176.74	2255797.53	HAL01	22+00.00	-12.15	1166.84	1167.46	-3.62%	-2.00%
323	13992173.82	2255785.74	HAL01	22+00.00	0	1167.28	1167.70	-	-
48	13992172.14	2255778.94	HAL01	22+00.00	7	1167.84	1167.84	8.00%	2.00%
105	13992162.37	2255796.25	HAL01	22+13.91	-7	1167.36	1167.61		
49	13992127.69	2255806.23	HAL01	22+50.00	-7	1167.60	1167.82	-4.00%	-2.00%
324	13992125.76	2255799.51	HAL01	22+50.00	0	1167.88	1167.96	-	-
50	13992123.82	2255792.78	HAL01	22+50.00	7	1168.10	1168.10	3.14%	2.00%
51	13992098.11	2255833.65	HAL01	23+00.00	-7	1165.85	1165.85	2.14%	2.14%
325	13992091.31	2255832.01	HAL01	23+00.00	0	1165.70	1165.70	-	-
52	13992084.51	2255830.36	HAL01	23+00.00	7	1165.40	1165.40	-4.29%	-4.29%
53	13992111.43	2255870.89	HAL01	23+50.00	-7	1164.73	1164.69	2.57%	2.00%
326	13992107.22	2255876.48	HAL01	23+50.00	0	1164.55	1164.55	-	-
54	13992103.01	2255882.07	HAL01	23+50.00	7	1164.37	1164.41	-2.57%	-2.00%
55	13992150.89	2255873.43	HAL01	24+00.00	-7	1164.85	1164.73	3.71%	2.00%
327	13992150.85	2255879.52	HAL01	24+00.00	0	1164.59	1164.59	-	-
56	13992157.81	2255885.6	HAL01	24+00.00	7	1164.43	1164.45	-2.29%	-2.00%
59	13992174.16	2255870.67	HAL01	24+19.20	7	1164.67	1164.67	-2.2370	-2.0070
74	13992174.16	2255870.87	HAL01 HAL01	24+19.20		1164.87	1164.87	-4.65%	-2.00%
57	13992178.42 13992184.41	2255836.74	HAL01	24+50.00	-7	1165.26 1165.25	1165.39	0.14%	2.00%
328 58	13992184.41	2255840.36 2255843.98	HAL01 HAL01	24+50.00 24+50.00	0 7	1165.23	1165.25 1165.11	-3.43%	-2.00%
								-5.4570	-2.0078
61	13992185.02	2255825.81	HAL01	24+62.77	-7	1165.53	1165.53		
60 73	13992206.82	2255816.8	HAL01 HAL01	24+81.75 24+81.75	7 25	1165.20 1164.61	1165.20 1164.61	-3.28%	-2.00%
	13992222.23	2255826.11						-5.26%	-2.00%
199 201	13992265.75	2255804.17	HAL02	10+05.31		1163.42	1164.12		
	13992237.91	2255785.14	HAL02	10+08.60		1165.61	1166.31		
200 202	13992258.28	2255783.51	HAL02 HAL02	10+16.69	6.00	1165.18	1165.18		
	13992246.41	2255779.35		10+20.59	-6.00	1165.58	1165.58	2.5.0%	0.500/
203	13992237.65	2255754.1	HAL02	10+50.00	-6.00	1166.20	1166.20	2.50%	0.50%
330	13992242.95	2255751.29	HAL02	10+50.00	0.00	1166.05	1166.17	-	-
204	13992248.26	2255748.49	HAL02	10+50.00	6.00	1166.22	1166.14	2.83%	-0.50%
205	13992206.67	2255715.8	HAL02	11+00.00		1169.54	1169.54	4.30%	0.50%
331	13992211.7	2255712.45	HAL02	11+00.00	0.00	1169.28	1169.51	-	-
206	13992216.66	2255709.15	HAL02	11+00.00	5.96	1169.24	1169.48	-0.67%	-0.50%
207	13992205.87	2255687.94	HAL02	11+24.78	6.00	1170.17	1170.17		
94		2255681.84	HAL02			1170.81	1170.81		
90	13992187.83	2255677.29	HAL02	11+41.96		1171.06	1171.06		
208	13992215.12	2255663.21	HAL02	11+43.45		1171.24	1171.24		
93	13992140.38	2255695.83	HAL02	11+44.75		1170.93	1170.93		
92	13992139.03	2255691.04	HAL02	11+49.67	-56.11	1170.97	1170.97		
332	13992189.96	2255667.48	HAL02	11+50.00	0.00	1171.28	1171.28		
81	13992172.44	2255643.49	HAL02	11+79.42	-5.86	1172.27	1172.27		
76	13992193.06	2255614.82	HAL02	11+91.94	26.71	1172.90	1172.90		
209	13992199.3	2255628.47	HAL02	11+80.09	24.91	1172.50	1172.50		
210	13992183.22	2255635.79	HAL02	11+81.12	7.28	1172.55	1172.55		
79	13992146.62	2255647.11	HAL02	11+91.98	-29.86	1172.40	1172.40		
211	13992166.67	2255624.14	HAL02	11+99.37	0.00	1172.90	1172.90		
217	13992142.34	2255632.73	HAL02	12+10.78	-23.80	1172.80	1172.80		

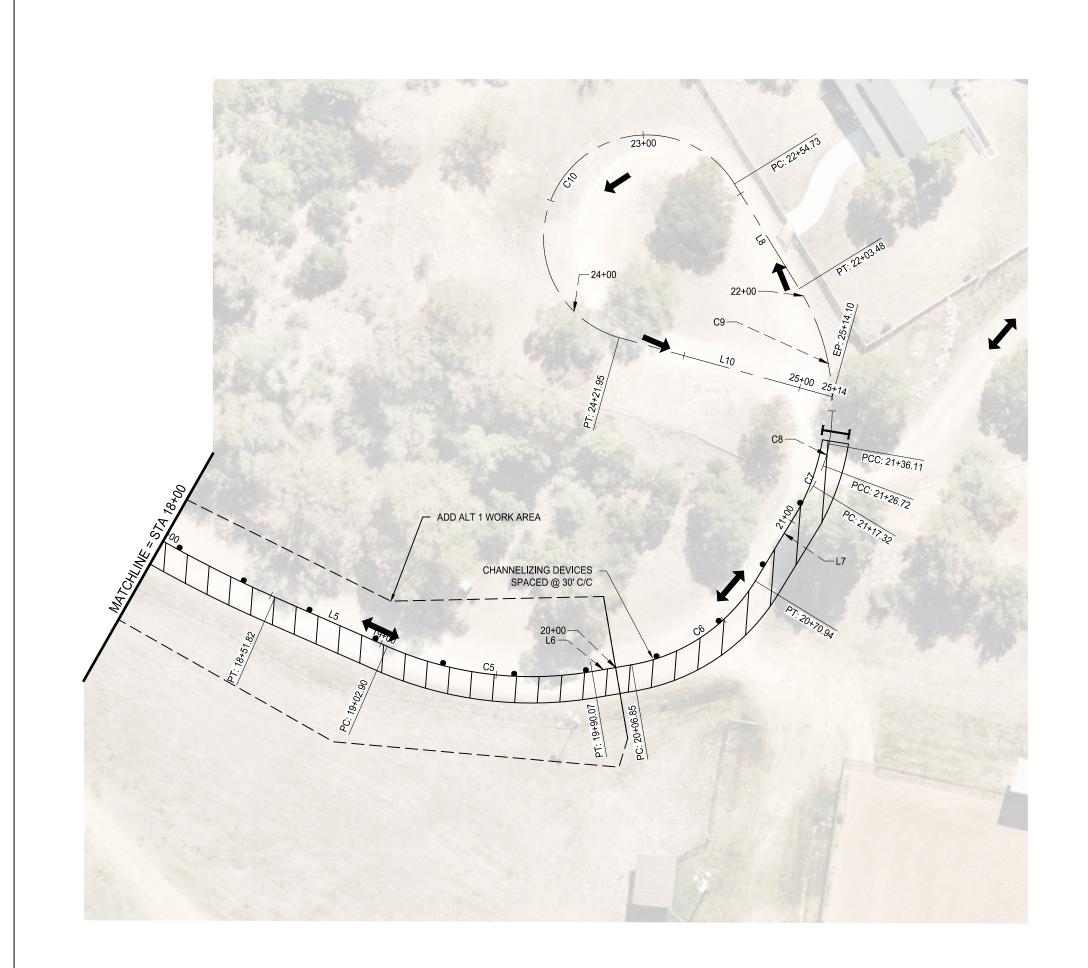
TREE LIST

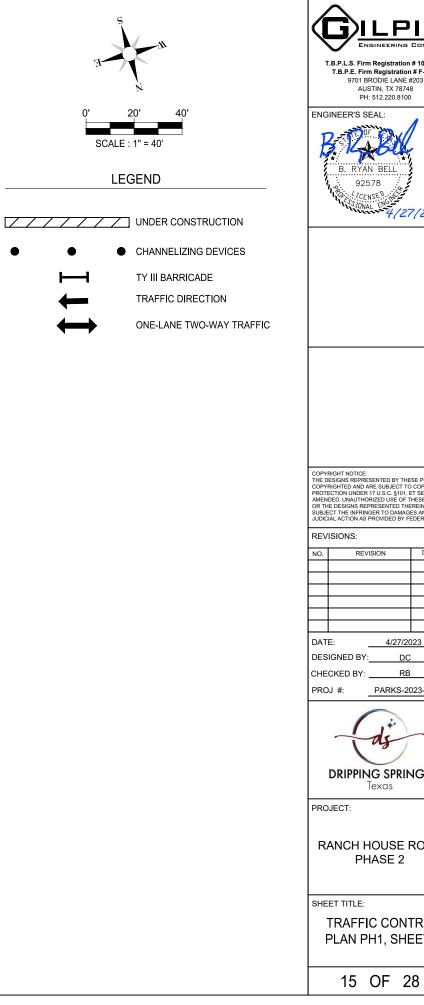
TREE TAG #	DESCRIPTION
1132	12" LIVE OAK
1132	9" LIVE OAK
1135	8" LIVE OAK
1134	13" LIVE OAK
1135	14" LIVE OAK
1130	17" CEDAR ELM
1137	16" LIVE OAK
1130	17" LIVE OAK
1135	16" LIVE OAK
1140	19" LIVE OAK
1141	18" LIVE OAK
1142	19" LIVE OAK
1145	36" LIVE OAK
1145	8" UNKNOWN
1146	18" LIVE OAK (12", 11")
1147	15" LIVE OAK
3000	19" LIVE OAK
3001	22" LIVE OAK
3002	34" LIVE OAK (24", 20")
3003	19" LIVE OAK
3004	19" CEDAR ELM
3005	22" LIVE OAK
3006	15" LIVE OAK
3007	20" LIVE OAK (16", 8")
3008	19" LIVE OAK
3009	22" LIVE OAK
3010	19" LIVE OAK
3011	27" LIVE OAK
3012	20" CEDAR ELM (16", 7")
3013	24" LIVE OAK (14", 10")
3014	18" LIVE OAK
3015	17" LIVE OAK (13", 8")
3016	14" LIVE OAK
3017	13" LIVE OAK
3018	33" LIVE OAK
3019	21" LIVE OAK (14", 13")
3020	21" LIVE OAK (14", 13")
3021	14" LIVE OAK
3022	13" LIVE OAK
3023	9" CEDAR ELM
3024	22" LIVE OAK (15", 14")
3025	18" HACKBERRY
3026	14" LIVE OAK (10", 7")

T.B.P.L.S. Firm Registration # 10193770 T.B.P.E. Firm Registration # F-9266 9701 BRODIE LANE #203 AUSTIN, TX 78748 PH: 512.220.8100							
ENGINEER'S SEAL: B. RYAN BELL 92578 (Icense) 1000 4 (27) (2023							
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AMENUEU. UNAU INVOLUEU USE OF INESE PLANS OR THE DESIGNS REPRESENTED THEREIN WILL SUBJECT THE INFRINGER TO DAMAGES AND/OR JUDICIAL ACTION AS PROVIDED BY FEDERAL LAW. REVISIONS:							
NO. REVISION DATE							
DATE: <u>4/27/2023</u>							
DESIGNED BY: DC							
CHECKED BY: <u>RB</u> PROJ #: <u>PARKS-2023-0001</u>							
di							
DRIPPING SPRINGS							
PROJECT:							
RANCH HOUSE ROAD PHASE 2							
SHEET TITLE:							
GRADING POINTS & TREE LIST							
13 OF 28							

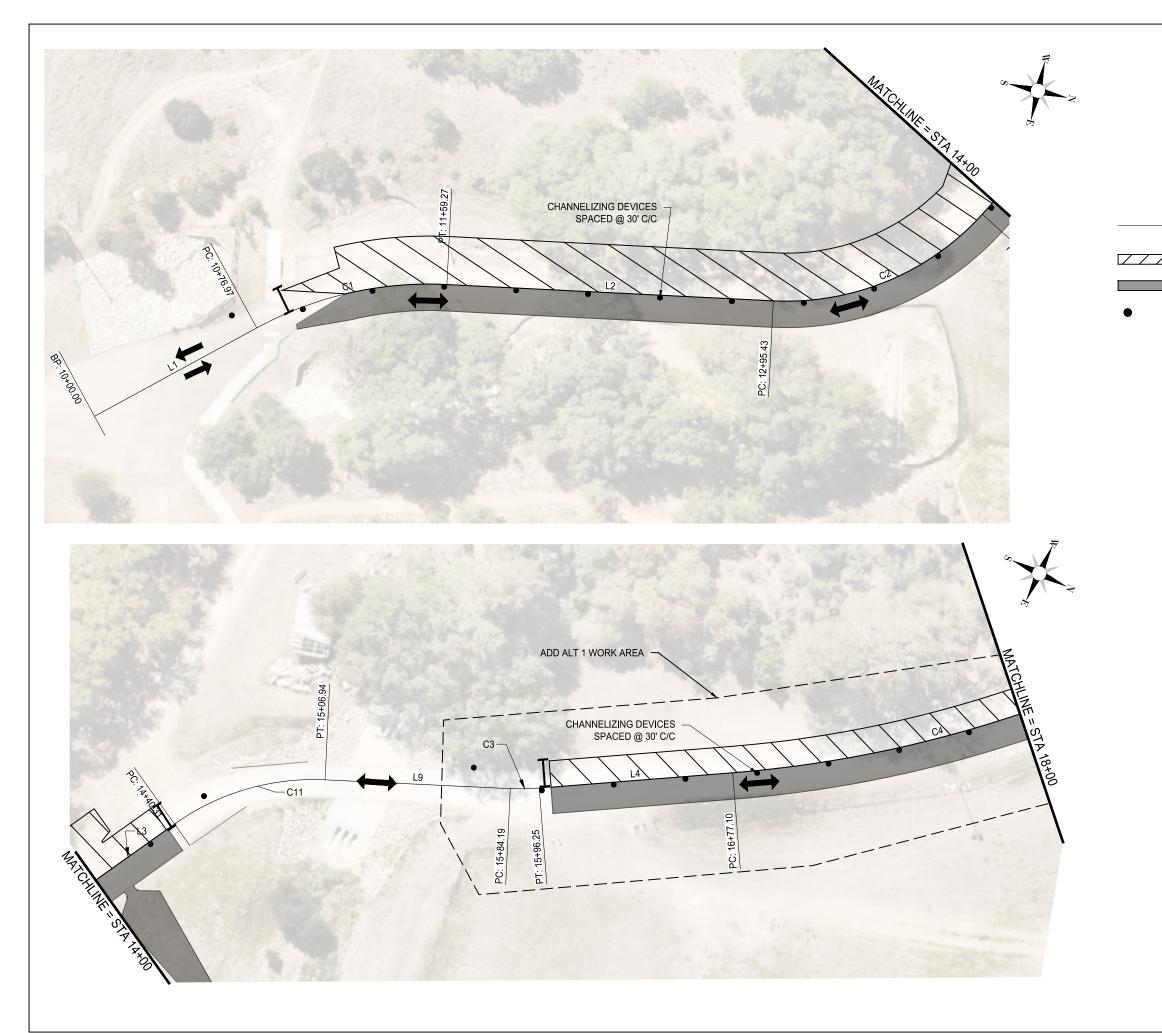


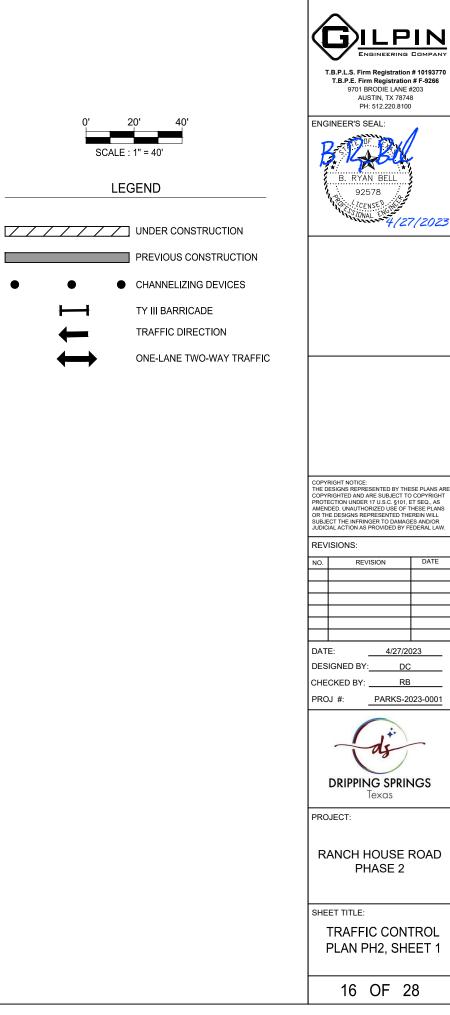
	T.B.P.L.S. Firm Registration # 101937 T.B.P.E. Firm Registration # 101937 Group BODIE LANE #203 AUSTIN, TX 78748 PH: 512 220.8100
0' 20' 40' SCALE : 1" = 40' LEGEND	ENGINEER'S SEAL: B. RYAN BELL 92578 1/CENSE 1/CENSE 1/2022
UNDER CONSTRUCTION	COPYRIGHT NOTICE: THE DESIGNS REPRESENTED BY THESE PLANS OPPRICIPAND ARE SUBJECT TO E OPPARIG PROTECTION UNDER 17 U.S.C. \$101, ET SEQ. AS MENDED. UNAUTHORIZED USE OF THESE PLAN OR THE DESIGNS REPRESENTED THEREIN WILD SUBJECT THE DESIGNS REPRESENTED THEREIN WILD DATE: 4/271/2023 DATE: 4/271/2023 DATE: 4/271/2023 DATE: DC CHECKED BY: DC CHECKED BY: CD CHECKED BY: CD C



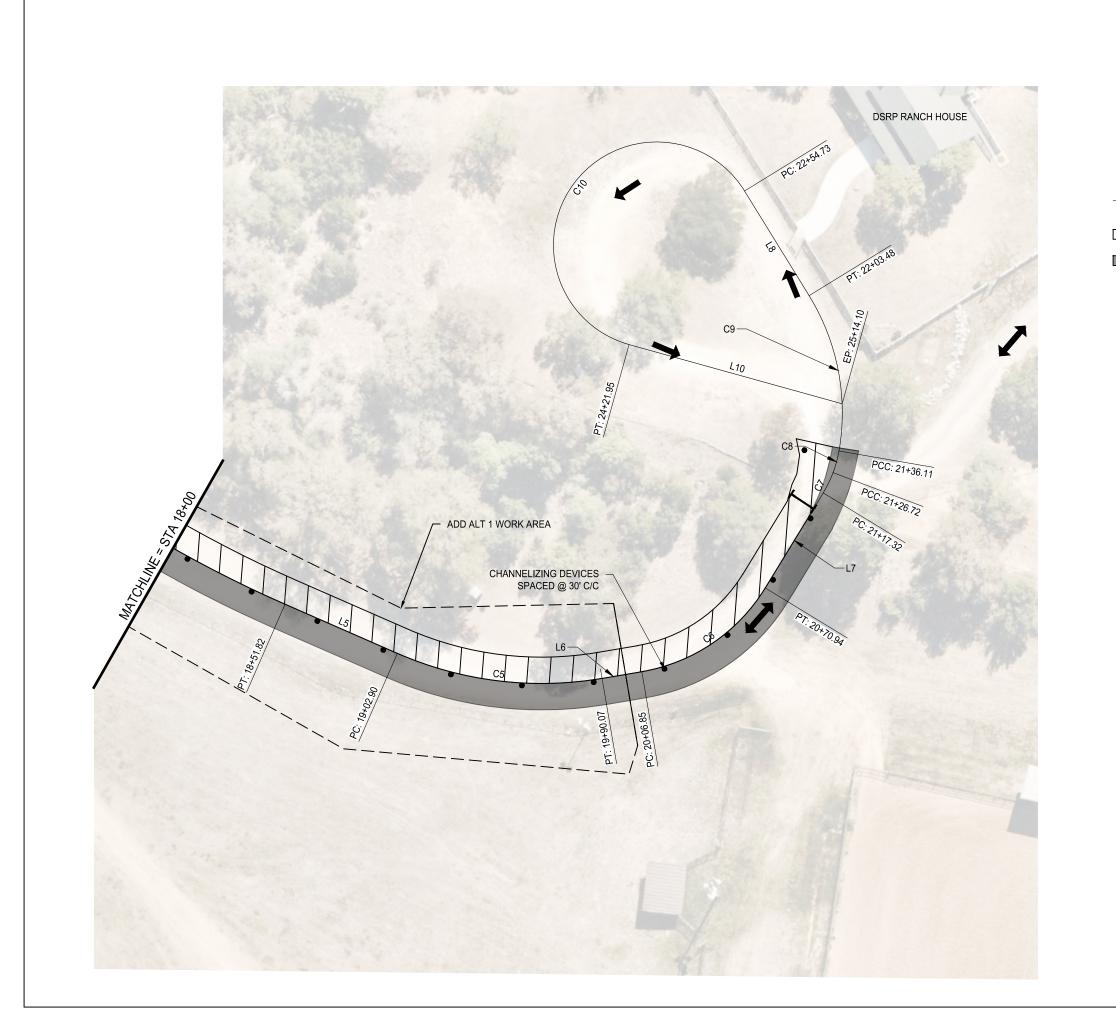


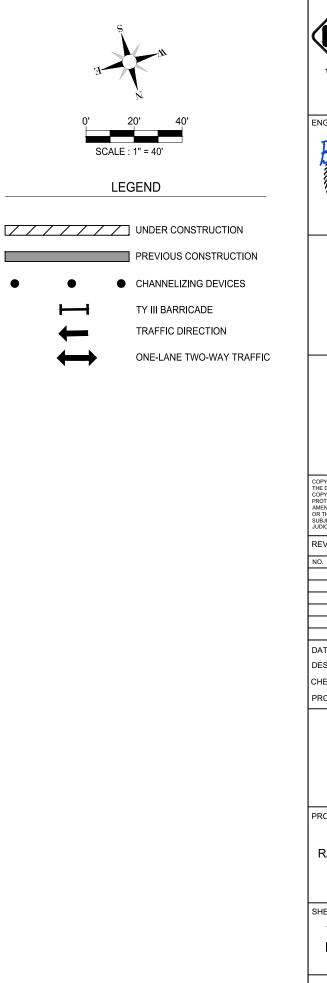
	IN							
T.B.P.L.S. Firm Registration # 10193770 T.B.P.L.S. Firm Registration # F-9266 9701 BRODIE LANKE #203 AUSTIN, TX 78748 PH: 512.220.8100								
B. RYAN BELL 92578 1/2002								
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OR THE DESIGNS REPRESENTED TH SUBJECT THE INFRINGER TO DAMA IUDICIAL ACTION AS PROVIDED BY	EREIN WILL							
REVISIONS:	DATE							
NO. REVISION	DATE							
DATE: 4/27/2								
DESIGNED BY:O								
DRIPPING SPRINGS								
RANCH HOUSE ROAD PHASE 2								
TRAFFIC CON PLAN PH1, SH								



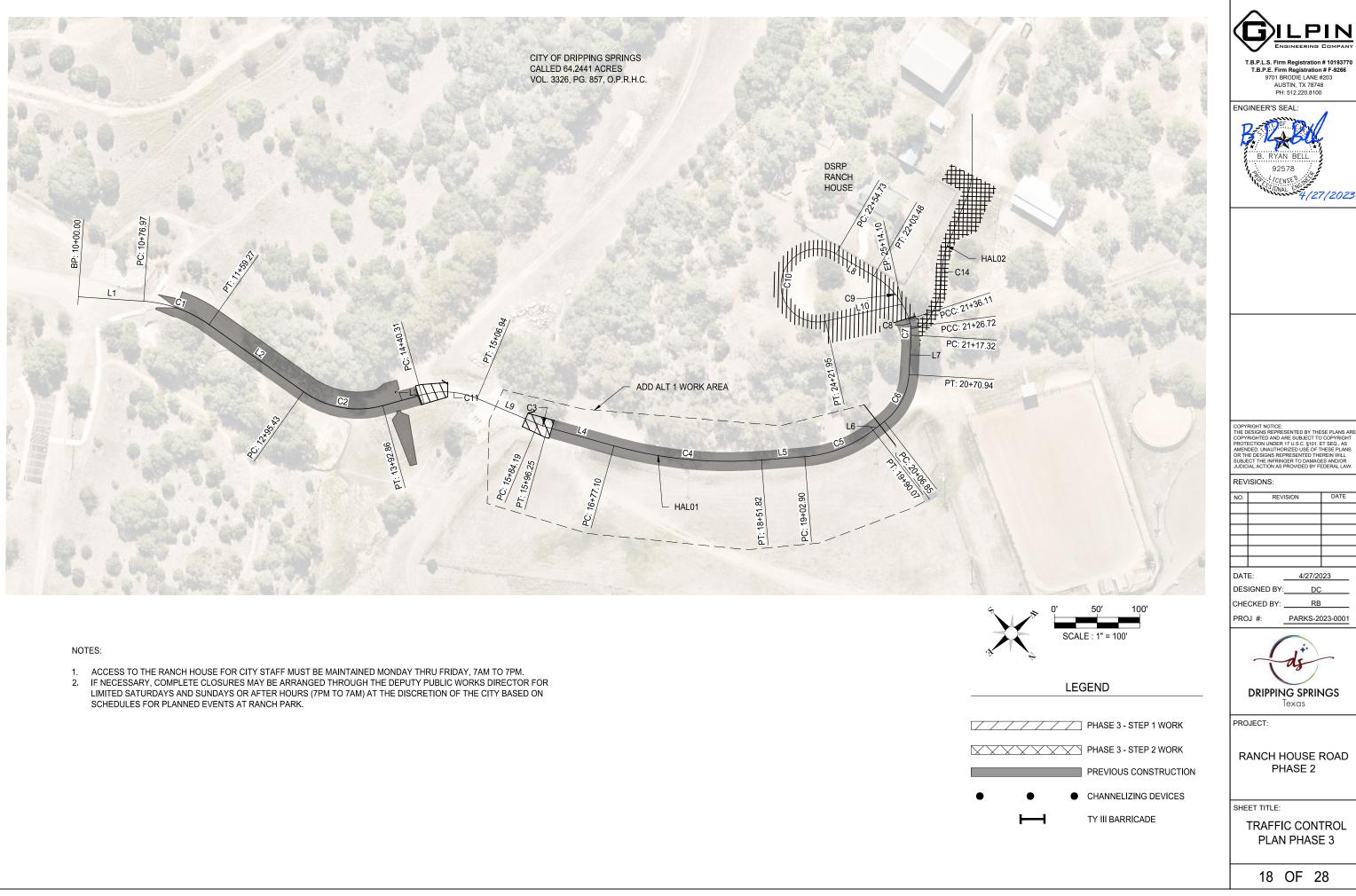


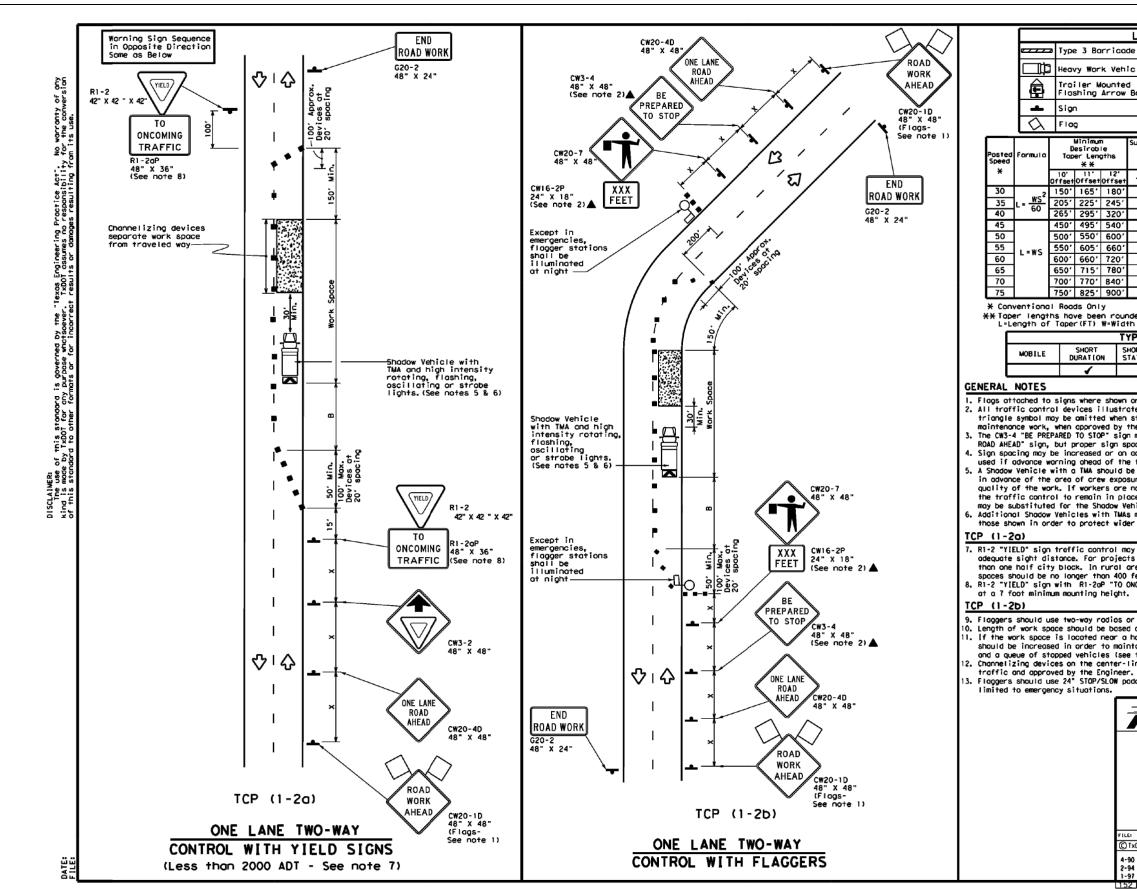
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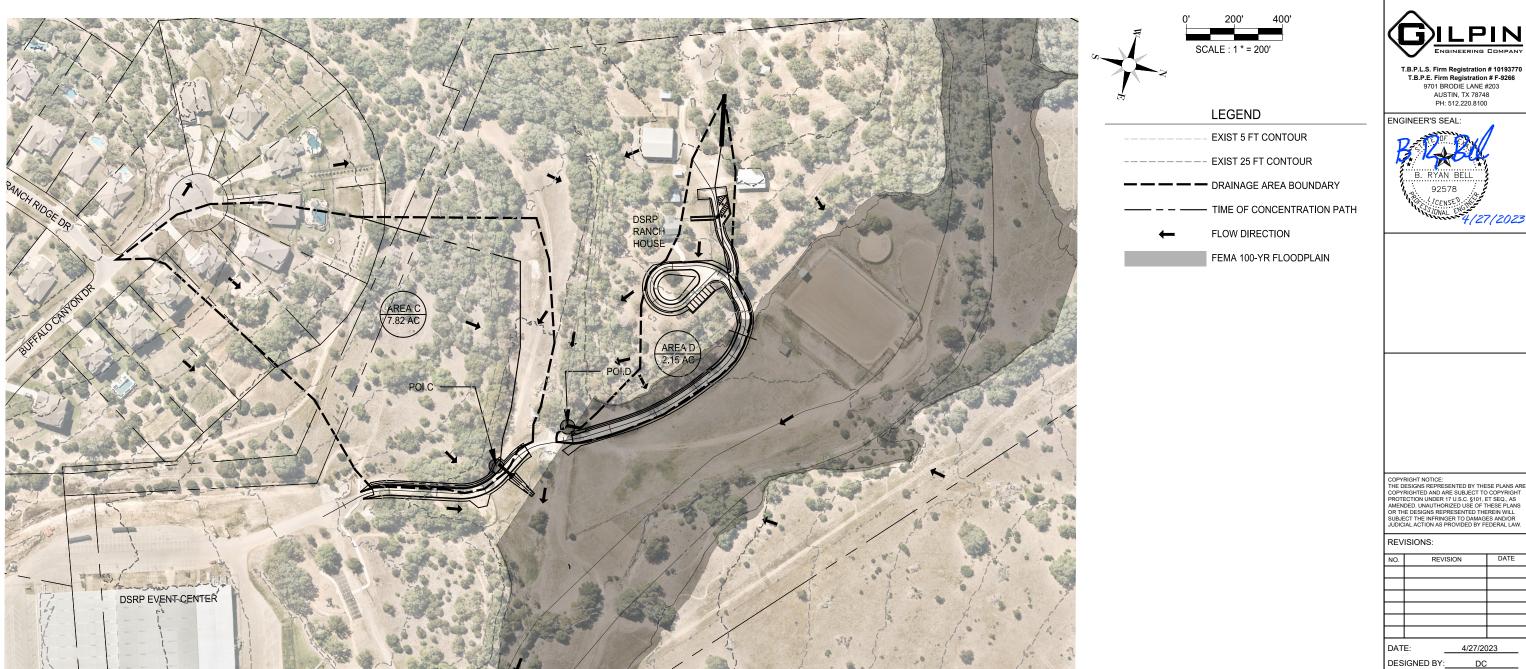


T.B.P.L.S. Firm Registration # 10193770 T.B.P.E. Firm Registration # F-9266 9701 BRODIE LANE #203 AUSTIN, TX 78748 PH: 512.220.8100							
ENGINEER'S SEAL: B. RYAN BELL 92578 1/2 CENSE 1/2 CENSE 4/27/2023							
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REVISIONS:							
NO. REVISION DATE							
DATE: <u>4/27/2023</u>							
DESIGNED BY: DC							
CHECKED BY: RB							
PROJ #: PARKS-2023-0001							
ds							
DRIPPING SPRINGS Texas							
PROJECT:							
RANCH HOUSE ROAD PHASE 2							
SHEET TITLE:							
TRAFFIC CONTROL PLAN PH2, SHEET 2							
17 OF 28							





						T.B.P.L.S. Firm Registration # 10193770 T.B.P.E. Firm Registration # F-9266 9701 BRODIE LANE #203 AUSTIN, TX 78748 PH: 512.220.8100
						ENGINEER'S SEAL:
	LEGE	ND				
:00	de		Channeliz	ing Devices		
			Truck Mou	nted		
n	icle		Attenuato	r (TMA)		
e	d Board	M		Changeable ign (PCMS)		
	00010			-		
		<u></u>	Traffic F	IOW		
-		ц	Flagger		j l	
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		rices	Spacing "X"	Longitudinal Buffer Space "B"	Sight Distance	
e†	On a Toper	On o Tongen	Distonce	-B-		
₽T)'	30'	60'	120'	90'	200'	
i.	35'	70'	160'	120'	250'	
۲,	40'	80'	240'	155'	305'	
)ť	45'	90'	320'	195'	360'	
٢	50'	100'	400'	240'	4251	
"	55'	110'	500'	295'	495*	
, ·	60' 65'	120'	600' 700'	350' 410'	570' 645'	
1	70'	140'	800'	475'	730*	
)'	75'	150'	900'	540'	820'	
	ded off					
-				d Speed (MPH)	I	
	YPICAL					
	HORT TER		ITERMEDIATE	LONG TE RY STATION		
-	1					
	•			•		COPYRIGHT NOTICE:
tri en		REQUIRE elsewher		hose denoted ans, or for r		THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION UNDER 17 U.S.C. §101, ET SEQ., AS AMENDED. UNATIONIZED USE OF THESE PLANS OR THE DESIGNS REPRESENTED THEREIN WILL SUBJECT THE INFRINGER TO DAMAGES AND/OR JUDICIAL ACTION AS PROVIDED BY FEDERAL LAW.
g	n may be	instal		e CW20-4D "ON	ELANE	
			maintained. 10 "ROAD W	IORK AHEAD" si	oo may be	REVISIONS:
th	e flogge	r or R1	-2 "YIELD" s	ign is less t	han 1500 feet.	NO. REVISION DATE
				ositioned 30 ecting the per		
re	no long	er prese	ent but rood	or work cond	itions require	
	ace, Type enicle a		icades or o	ither channeli	2 ing devices	
AA:	s may be	positio	oned off the	poved surfac	e, next to	
0	er work	spoces.				
~	ou ha	ad ac c	niecte utto	opproaches t	bot bave	DATE: 4/27/2023
ec	ts in url	ban area	os, work spo	ces should be	no longer	
	oreas on feet.	roadway	s with less	than 2000 AD	T, work	DESIGNED BY: DC
0 (ONCOMING	TRAFF10	" ploque sh	all be placed	on a support	CHECKED BY:RB
nt.						PROJ #: PARKS-2023-0001
o o o i	d on the horizon htain ad	obility talor v equate s	/ of flagger /ertical cur	cation to con is to communic ive, the buffe ht distance t	ote.	di
	e toble (lîne moy		ted when a	pilot cor is	leading	
e	r				-	
p	oddies te	o contro	oi traffic.	Flogs should		DRIPPING SPRINGS Texas
	Теха	." Is Depa	rtment of Tr	ansportation	Traffic Operations Division Standard	PROJECT:
	TF	ONE	-LANE	NTROL TWO-WA CONTRO	AY	RANCH HOUSE ROAD PHASE 2
						SHEET TITLE:
		Т	CP (1-	-2)-18	3 I	
11	E: topi-	2-18. dgn			1W: CK:	TRAFFIC CONTROL
_	TxDOT D	ecember 1	985 CONT	SECT JOB	HIGHWAY	DETAILS
	90 4-98	VISIONS	DIST	COUNTY	SHEET NO.	
1-	94 2-12 97 2-18		0.5		und de mus	
15	2					19 OF 28



NOTES:

- 1. THE PROPOSED SITE IS LOCATED PARTIALLY WITHIN THE 100-YEAR FEMA ZONE AE FLOODPLAIN. PRELIMINARY PANEL 48209C0105G, HAYS COUNTY, TEXAS AND INCORPORATED AREAS (ISSUED 12/14/2022).
- 2. THE SITE IS LOCATED WITHIN THE EDWARDS AQUIFER CONTRIBUTING ZONE.
- THE SITE IS LOCATED IN THE LITTLE BARTON CREEK WATERSHED.
- 4. EXISTING CONTOURS WERE GENERATED FROM THE BEXAR & TRAVIS COUNTIES LIDAR (2021) AVAILABLE
- EXISTING CONTOURS WERE GENERATED FROM THE BEXAR & TRAVIS COUNTIES LIDAR (2021) AVAILABLE ON THE TEXAS NATURAL RESOURCES INFORMATION SYSTEM (TNRIS) DATABASE.
 THE 24-HOUR STORM EVENT RAINFALL DATA USED FOR THIS DRAINAGE ANALYSIS WAS OBTAINED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) AND IS CURRENT FOR THE CITY OF DRIPPING SPRINGS AT THE TIME THIS SITE PLAN WAS COMPLETED.
 ALL DRAINAGE DESIGN CRITERIA USED FOR THIS DRAINAGE ANALYSIS OTHER THAN THE STORM EVENT RAINFALL DATA WAS OBTAINED FROM THE CURRENT CITY OF AUSTIN DRAINAGE CRITERIA MANUAL.

DRAINAGE AREA SUMMARY											
		Area			70	Tlag (min)	Q - Peak Flows				
Area ID	(SF)	(AC)	(Sq Mi)	CN	TC (min)		2 YR (CFS)	10 YR (CFS)	25 YR (CFS)	100 YR (CFS)	
С	340663.6	7.82	0.0122196	70	19.56	11.73	10.4	24.7	35.4	53.8	
D	97188.1	2.23	0.0034861	73	17.92	10.75	3.5	7.9	11.0	16.4	

RAINFALL PRECIPITATION DEPTHS										
CTODM	DEPTH	DEPTH	DEPTH	DEPTH						
STORM	2-YR	10-YR	25-YR	100-YR						
DURATION	(IN)	(IN)	(IN)	(IN)						
15 MIN	1.04	1.59	1.95	2.55						
1 HR	1.92	2.94	3.63	4.78						
2 HR	2.38	3.75	4.75	6.56						
3 HR	2.64	4.25	5.48	7.80						
6 HR	3.11	5.11	6.68	9.79						
12 HR	3.57	5.90	7.76	11.40						
24 HR	4.05	6.73	8.82	12.90						

REVISIONS.							
NO.	REVI	SION	DATE				
DAT	E: .	4/27/20)23				
DES	IGNED BY:	DC					
CHE	CKED BY:	RB					
PRC)J #:	PARKS-20	023-0001				



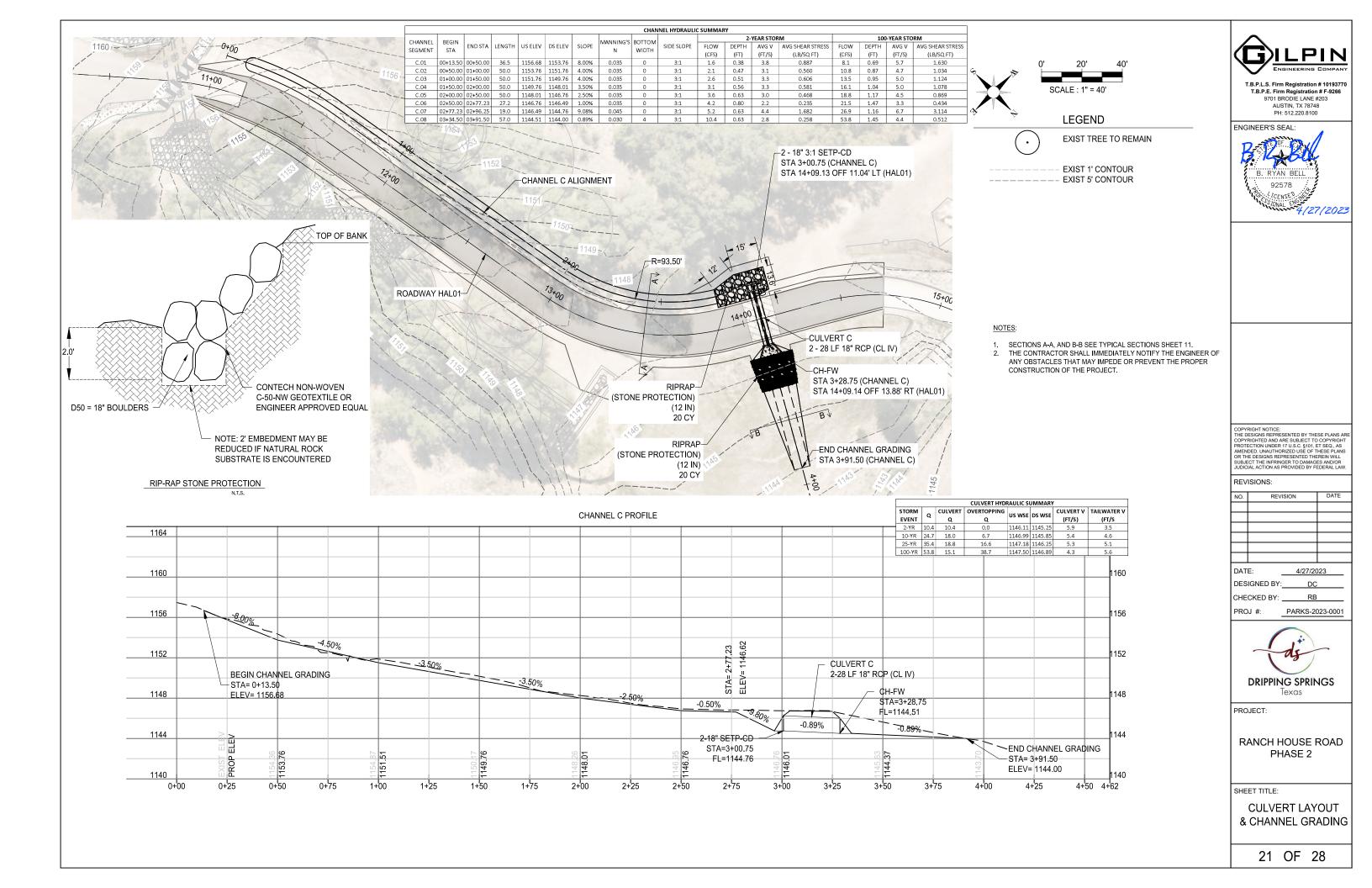
PROJECT:

RANCH HOUSE ROAD PHASE 2

SHEET TITLE:

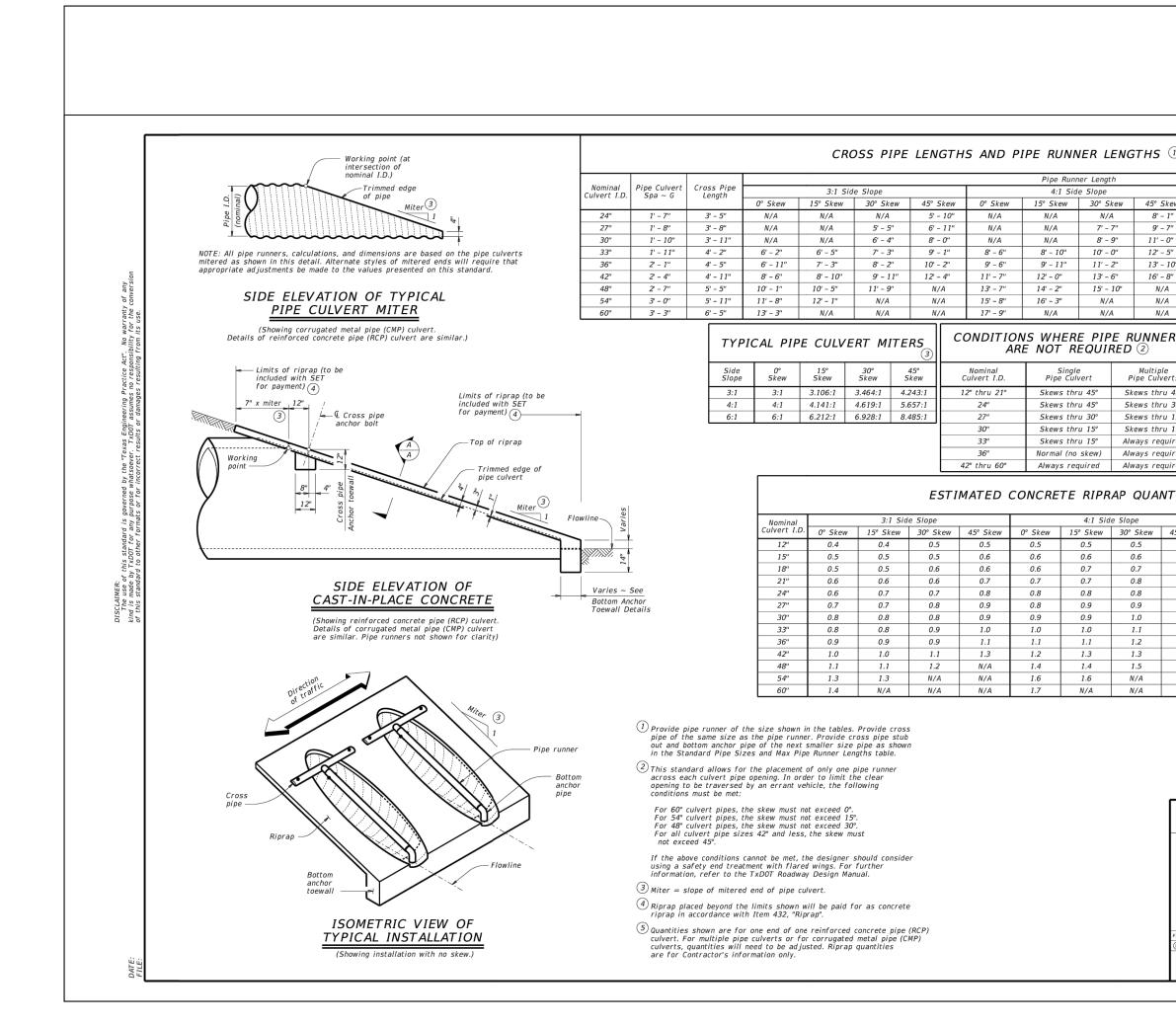
DRAINAGE AREA MAP

20 OF 28



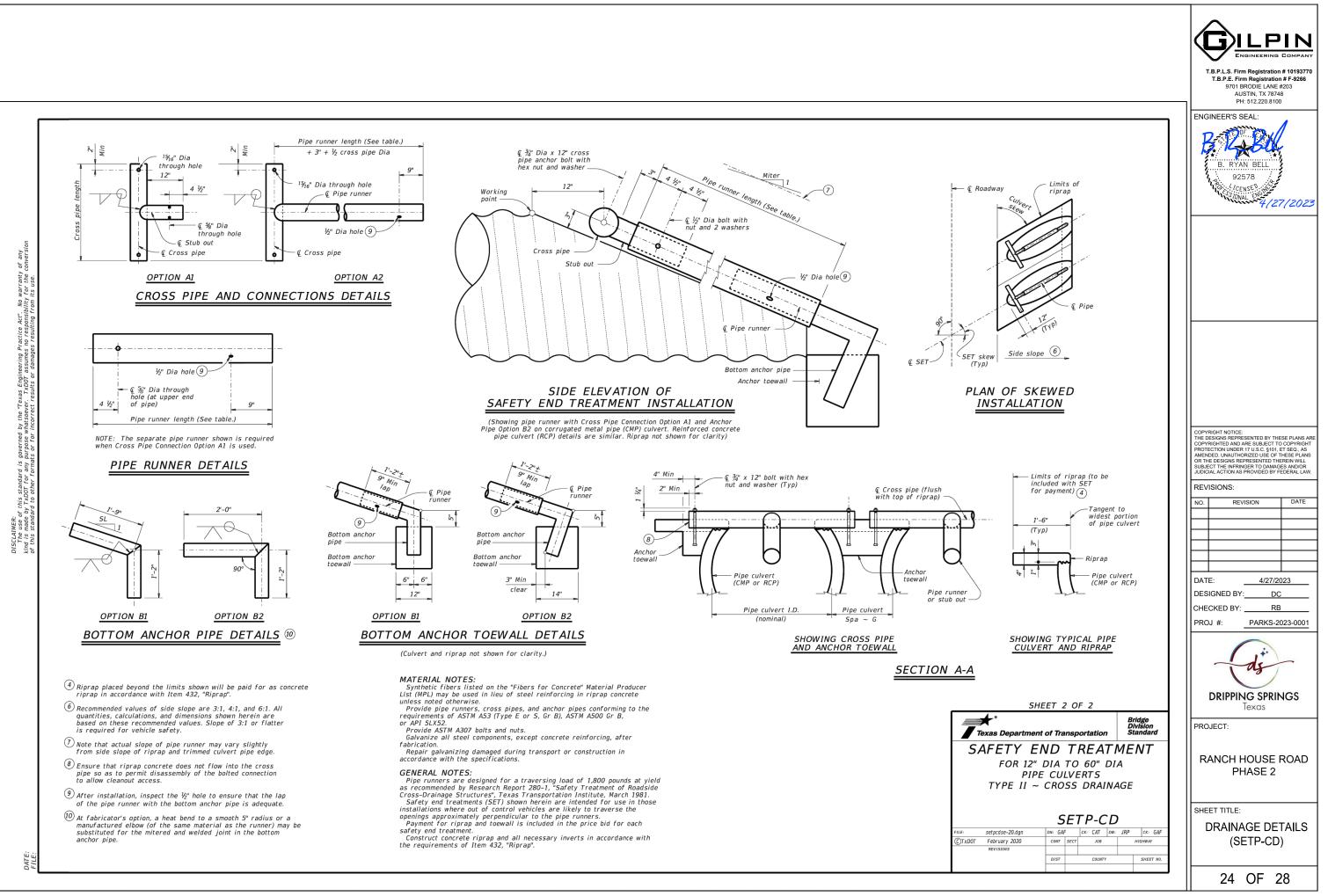
						DIMENSI NE HEA		5		TABLE OF REINFORCING ST
lope	a of Pipe (D)		Value	s for One	e Pipe	Reinf Conc	Values to for Each	be Added Addt'l Pipe Reinf Con	$\mathbf{I} \begin{bmatrix} 1 \\ $	Bar Size Spa A #4 1'-0"
0	Dia 12"	W 4' - 7 ½''	X 2' - 6"	Y 2' - 10''	L 3' - 3 ¼"	(Lbs) (CY) 1 88 0.6	X and W 1'-9"	(Lbs) (CY 1 20 0.2		B #3 1' - 6" C #4 1' - 0" D #3 1' - 0"
	15" 18" 21"	6' - 4 ¼"	2' - 9 ½" 3' - 1" 3' - 4 ½"	3' - 4" 3' - 10" 4' - 4"	3' - 10 ¼'' 4' - 5'' 5' - 0''	103 0.7 124 0.9 143 1.1	2' - 2" 2' - 8" 3' - 1"	24 0.3 32 0.3 43 0.4	ELEVATION	E #5 ~ F #5 ~
om its us	24" 27" 30"	9' - 1"	3' - 9 ½" 4' - 1" 4' - 4 ½"	4' - 10" 5' - 4" 5' - 10"	5' - 7" 6' - 2" 6' - 8 ³ / ₄ "	164 1.3 179 1.5 203 1.7	3' - 7" 3' - 11" 4' - 4"	50 0.5 56 0.6 65 0.8	(Showing dimensions.) BARS V BARS CL (Length = 2"-5")	G #3 ~ S #4 ~ V #4 1' - 0"
2:1	33" 36"	10' - 10" 11' - 8 ¼"	4' - 8" 4' - 11 ½"	6' - 4" 6' - 10"	7' - 3 ¾'' 7' - 10 ¾'	224 2.0 249 2.2	4' - 8" 5' - 1"	71 0.9 81 1.0	Bars	W #5 ~
damages ru	48"	15' - 9"	5' - 6 ½" 6' - 1 ½" 6' - 8 ½"	7' - 10" 9' - 4" 10' - 4"	9' - 0 ½'' 10' - 9 ¼'' 11' - 11 ¼''	298 2.8 360 3.8 427 4.5	5' - 10" 6' - 7" 7' - 6"	97 1.3 117 1.7 151 2.1	X Bars B	
esults or	66"	20' - 11 ½"	7' - 10 ½"	11' - 4" 12' - 4" 13' - 4"	13' - 1" 14' - 3" 15' - 4 ³ / ₄ "	481 5.3 544 6.2 601 7.1	8' - 3'' 8' - 9'' 9' - 4''	174 2.5 194 2.9 213 3.3	¢ Pipe or pipes	
incorrect i	12" 15" 18"	7' - 5"	2' - 6" 2' - 9 ½" 3' - 1"	4' - 3'' 5' - 0'' 5' - 9''	4' - 11" 5' - 9 ¼" 6' - 7 ¾"	118 0.8 137 1.1 170 1.3	1' - 9" 2' - 2" 2' - 8"	22 0.2 28 0.3 37 0.5	$ \begin{array}{c} $	BARS B and B1-x
purpose w ats or for	21" 24" 27"	11' - 0"	3' - 4 ½" 3' - 9 ½" 4' - 1"	6' - 6'' 7' - 3'' 8' - 0''	7' - 6" 8' - 4 ½" 9' - 2 ¾"	195 1.6 227 2.0 251 2.3	3' - 1" 3' - 7" 3' - 11"	48 0.6 58 0.7 67 0.8	Bars F Bars F Bars C	(2
01 Tor any other form 3:1	33"	14' - 5 ¾"	$4' - 4 \frac{1}{2}''$ 4' - 8'' $4' - 11 \frac{1}{2}''$	8' - 9'' 9' - 6''	$10' - 1\frac{1}{4}''$ $10' - 11\frac{3}{4}''$ 11' - 10''	293 2.7	4' - 4" 4' - 8" 5' - 1"	77 1.0 84 1.2 96 1.4		
andard to	42" 48"	17' - 11 ½" 21' - 1 ¾"	5' - 6 ½" 6' - 1 ½"	11' - 9" 14' - 0" 15' - 6"	13' - 6 ¾'' 16' - 2'' 17' - 10 ¾'	432 4.5 537 6.1	5' - 10" 6' - 7" 7' - 6"	30 114 119 1.7 146 2.3 186 2.9	Bars W Bars W	(3 (4
of this s	60" 66"	25' - 9 ¼" 28' - 1"	7' - 3 ½" 7' - 10 ½"	17' - 0" 18' - 6"	$\frac{19'-7 \frac{1}{2''}}{21'-4 \frac{1}{4''}}$	719 8.7 811 10.1	8' - 3'' 8' - 9''	219 3.4 242 3.9	Bars S Bars S	(5
	12" 15"	7' - 10 ¾'' 9' - 4''	2' - 6" 2' - 9 ½"	20' - 0" 5' - 8" 6' - 8"	23' - 1 ¼'' 6' - 6 ½'' 7' - 8 ½''	924 11.7 148 1.1 181 1.5	9' - 4" 1' - 9" 2' - 2"	272 4.4 24 0.3 32 0.4	30° Bars	B1-x
	18" 21" 24"	12' - 2 ¾"	3' - 1" 3' - 4 ½" 3' - 9 ½"	7' - 8'' 8' - 8'' 9' - 8''	8' - 10 ¼'' 10' - 0'' 11' - 2''	221 1.9 260 2.3 301 2.8	2' - 8" 3' - 1" 3' - 7"	42 0.5 57 0.7 67 0.9		
	27" 30" 33"	16' - 8 ¼"	4' - 1" 4' - 4 ½" 4' - 8"	10' - 8" 11' - 8" 12' - 8"	12' - 3 ³ 4'' 13' - 5 ³ 4'' 14' - 7 ¹ ⁄2''	334 3.3 385 3.8 425 4.5	3' - 11" 4' - 4" 4' - 8"	77 1.0 89 1.3 101 1.4	Bars V1-x W	6 MAT Pri Pri
	42"	22' - 5 ¾"		15' - 8"	15' - 9 ¼" 18' - 1" 21' - 6 ¾"	472 5.1 583 6.5 730 8.9	5' - 1" 5' - 10" 6' - 7"	115 1.7 141 2.1 175 2.8	PLAN Toe slop	e De Spec Do
	60"	29' - 5" 32' - 3 ¾"	6' - 8 ½"	22' - 8"	23' - 10 ¼" 26' - 2" 28' - 5 ¾"	875 10.7 996 12.7 1,140 14.9	7' - 6" 8' - 3" 8' - 9"	226 3.6 264 4.3 300 4.9	8" Finished grade (roadway slope)	thes Th exce
	72" 12"	38' - 1 ¼'' 11' - 2"	8' - 5 ½'' 2' - 6''	26' - 8'' 8' - 6''	30' - 9 ½'' 9' - 9 ¾'' 11' - 6 ½''	1,297 17.3 224 1.9 268 2.5	9' - 4" 1' - 9" 2' - 2"	334 5.6 28 0.4 37 0.5	Bars E	Cover di Reinforc
	18" 21"	15' - 2 ½" 17' - 2 ¾"	3' - 1" 3' - 4 ½"	11' - 6"	$\frac{13' - 3 \frac{1}{4''}}{15' - 0 \frac{1}{4''}}$ $\frac{16' - 9''}{16' - 9''}$	330 3.2 387 3.9 453 4.8	2' - 8'' 3' - 1'' 3' - 7''	50 0.7 69 0.9 80 1.2	Bars W Bars V1-x Parc S	4
6:1	27'' 30''	21' - 4 ³ ⁄ ₄ " 23' - 5 ¹ ⁄ ₄ "	4' - 1" 4' - 4 ½"	16' - 0" 17' - 6"	$\frac{10^{\circ} - 5^{\circ}}{18^{\circ} - 5^{\circ}}\frac{34^{\circ}}{20^{\circ} - 2^{\circ}}\frac{1}{21^{\circ}}}{21^{\circ} - 11^{\circ}}\frac{1}{4^{\circ}}$	512 5.7 593 6.7	3' - 11" 3' - 4" 4' - 4" 4' - 8"	96 1.4 110 1.7	Bars D Bars V	
	36" 42"	27' - 5 ¾'' 31' - 6 ¼''		20' - 6" 23' - 6"	23' - 8" 27' - 1 ½"	735 9.0 922 11.5	5' - 1" 5' - 10"	144 2.3 179 3.0	Bars B Construction Joint	
	54"	41' - 4 ¼"	6' - 8 ½"	31' - 0"	32' - 4" 35' - 9 ½" 39' - 3"	1,19115.91,42419.21,63122.9	6' - 7" 7' - 6" 8' - 3"	231 4.0 300 5.0 353 6.0	Bars G Bars B Bars B Bars B	FILE:
DATE: FILE:									TYPICAL WING ELEVATION SECTION A-A	(C)TxD

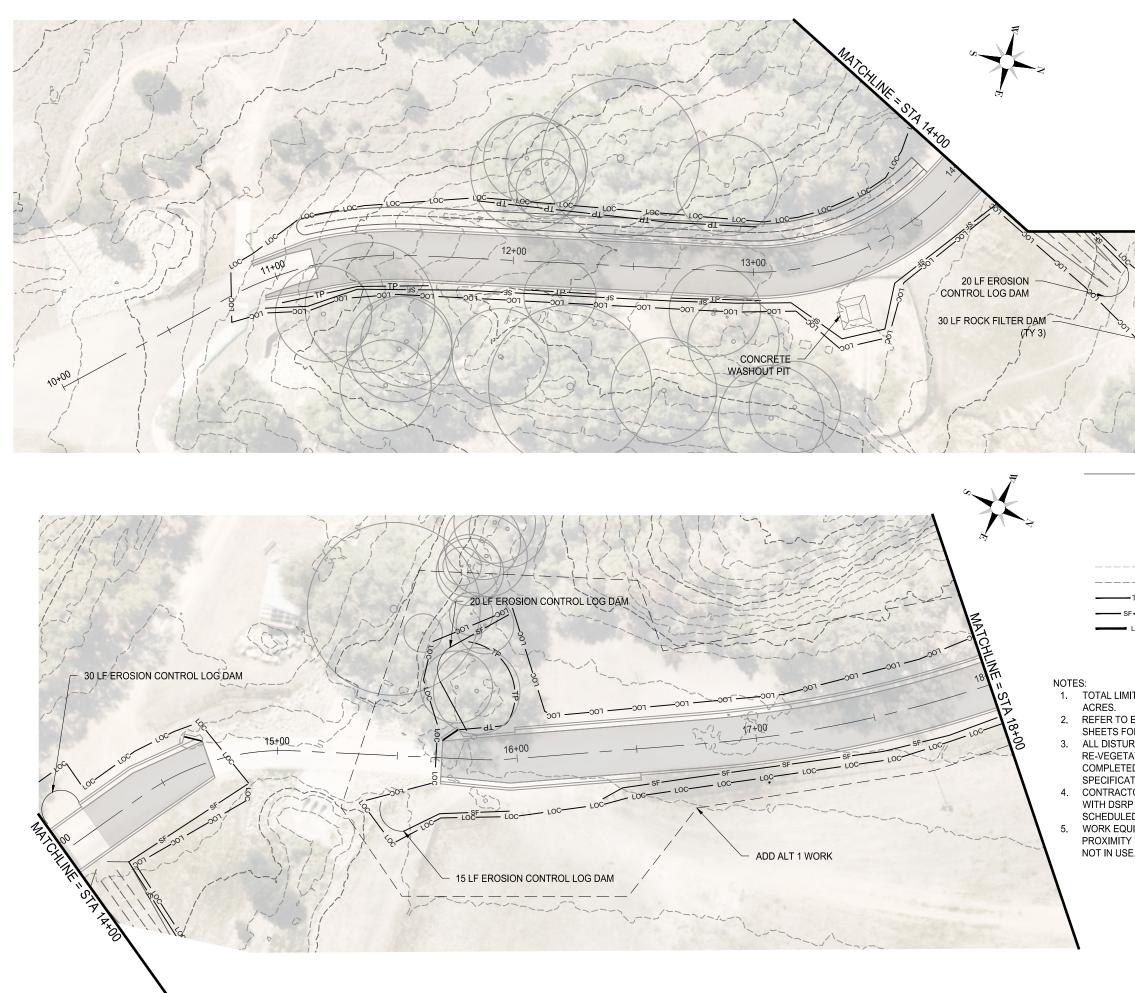
					T.B.P.L.S. Firm Registration # 10193770 T.B.P.E. Firm Registration # F-9266
					9701 BRODIE LANE #203 AUSTIN, TX 78748
					PH: 512.220.8100 ENGINEER'S SEAL:
F (5)		TAB	LE OF		ENGINEER'S SEAL.
STEEL	CON	STANT	DIMEN	SIONS	1 LABL
No.	Dia of Pipe (D)	G	к (4)	Н	B. RYAN BELL
"~	12"	0' - 9"	1' - 0"	2' - 0''	92578
μ ~ · ·	15" 18"	0' - 11'' 1' - 2''	1' - O'' 1' - O''	2' - 3'' 2' - 6''	Signal ENGLASSION
"~	21"	1' - 4"	1' - O''	2' - 9''	4/2//2023
4	24"	1' - 7"	1' - 0"	3' - 0''	
2	27" 30"	1' - 8" 1' - 10"	1' - 0'' 1' - 0''	3' - 3'' 3' - 6''	
6	33"	1' - 11"	1' - 0''	3' - 9"	
" ~	36"	2' - 1"	1' - 0"	4' - 0''	
4	42"	2' - 4"	1' - 0"	4' - 6''	
	48" 54"	2' - 7'' 3' - 0''	1' - 3" 1' - 3"	5' - 3'' 5' - 9''	
	60"	3' - 3"	1' - 3"	6' - 3''	
	66"	3' - 3"	1' - 3"	6' - 9''	
5.4	72"	3' - 4"	1' - 3"	7' - <i>3</i> ''	
12					
1					
1-x					
	chown are	for concre	te pipe and	will	
			installations		
2 For vehicle	e safety, co	onstruct cui	bs no more		
heights, if	necessary	d grade. R ,to meet th	iese		COPYRIGHT NOTICE:
quantities	and no add	anges will b litional com	pe made in pensation wi	ill	THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT
be allowed	for this w	ork.			PROTECTION UNDER 17 U.S.C. §101, ET SEQ., AS AMENDED. UNAUTHORIZED USE OF THESE PLANS
(3) Provide a to maintair	1'-0" footin 4" minimu	g as shown m cover foi	where requ	iired	OR THE DESIGNS REPRESENTED THEREIN WILL SUBJECT THE INFRINGER TO DAMAGES AND/OR JUDICIAL ACTION AS PROVIDED BY FEDERAL LAW.
		e usual and			
(F)			ructure end	only	REVISIONS:
(one headw	vall).			omy	NO. REVISION DATE
6 Min Length	$= 6^{u} + 3^{u}$	$x\left(\frac{12 \ x \ H}{12 \ x}\right)$	<u>- 7</u>)		
Max Length	$n = 12 \times H$	- 3" x(<u>12</u>	$\frac{XH-7}{12 \times L}$	- 1"	
			slope along	this	
line.					
					DATE: 4/27/2023
MATERIAL NC Provide Grade		cina steel			
Provide Class			0 psi).		
GENERAL NOT					
Designed accou Specifications.	-		-	-	PROJ #: <u>PARKS-2023-0001</u>
Do not mount l these culvert he	adwalls.				
This standard exceeding the va			wall heights,	, <i>H,</i>	,÷
					as
er dimensions ar forcing dimensio				otherwise.	
roreing uniensio	nis are out	-10-041 01 1	<i>un 3.</i>		DRIPPING SPRINGS
1 .					lexas
				Bridge Division	PROJECT:
Texas De	partment o	of Transpor	rtation	Standard	
CONO	CRETI	E HEA	ADWAL	LS	
WITH	IFIAR	FD WI	NGS FO	0R	RANCH HOUSE ROAD PHASE 2
			ULVERT		
0 5		IFE U	ULVERI	J	
					SHEET TITLE:
		CH-	FW-0		
FILE: chfw00se-2 C)TxD0T February	-		TXDOT DW: TXL		
CTxDOT February . REVISIONS	2020	CONT SECT	JOB	HIGHWAY	(CH-FW-0)
	-	DIST	COUNTY	SHEET NO.	
		I		1	22 OF 28
					II· -• I



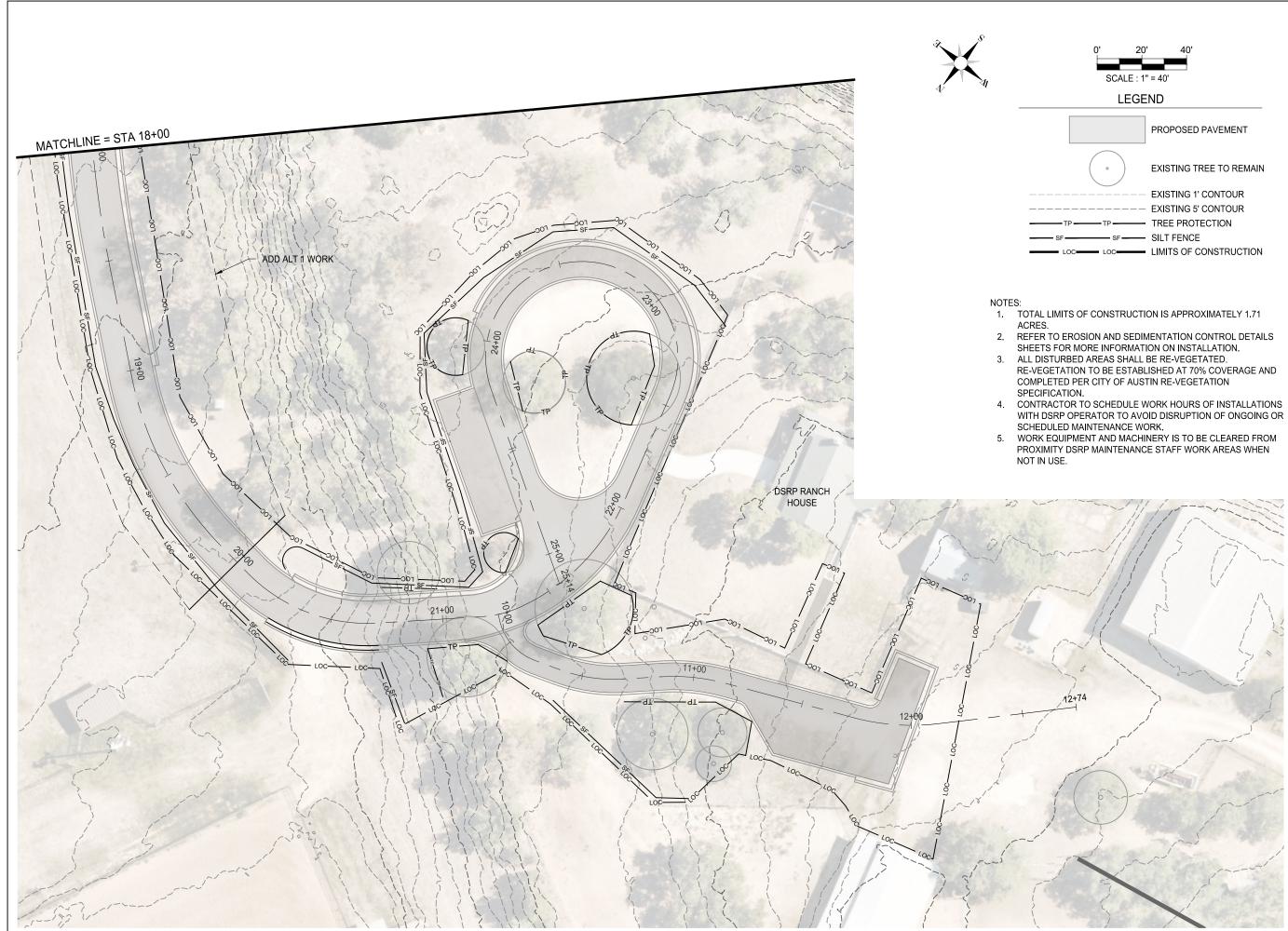
45° Ske

						T.B.P.L.S. Firm Registration # 10193770 T.B.P.L.S. Firm Registration # 10193770 T.B.P.E. Firm Registration # 5266 9701 BRODIE LANE #203 AUSTIN, TX 78748 PH: 512.220.8100 ENGINEER'S SEAL:
НS	12					R-TARK
			6.1.6.4	- Cl		B. RYAN BELL
45°	Skew	0° Skew	6:1 Side 15° Skew	30° Skew	45° Skew	92578
	- 1"	N/A	N/A	N/A	12' - 9"	ICENSED IN
	- 7"	N/A	N/A	11' - 11"	14' - 11"	4/27/2023
	- 0" - 5"	N/A 13' - 3"	N/A 13' - 9"	13' - 8" 15' - 5"	17' - 0" 19' - 2"	
	- 10"	13 - 3	15 - 9	17' - 2"	21' - 3"	
	- 8"	17' - 9"	18' - 5"	20' - 8"	25' - 7"	
N	/A	20' - 9"	21' - 6"	24' - 2"	N/A	
Ν	/A	23' - 10"	24' - 8"	N/A	N/A	
Ν	/A	26' - 10"	N/A	N/A	N/A	
NN ?)	ERS	STAN MAX	DARD PI PIPE RUI	PE SIZE NNER LE	S AND ⁽¹⁾ NGTHS	
	verts	Pipe Size	Pipe 0.D.	Pipe I.D.	Max Pipe Runner Length	
	ru 45°	2" STD	2.375"	2.067"	N/A	
	ru 30° ru 15°	3" STD 4" STD	3.500" 4.500"	3.068" 4.026"	10' - 0'' 19' - 8''	
	ru 15°	5" STD	5.563"	5.047"	34' - 2''	
	quired					
s re	quired					
s re	quired					
UA	NTITIE	5 (CY)		Side Slope		COPYRIGHT NOTICE: THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION UNDER 17 U.S.C. §101, ET SEQ., AS AMENDED. UNAUTHORIZED USE OF THESE PLANS OR THE DESIGNS REPRESENTED THEREIN WILL
ew	45° Skei	w 0° Skev			v 45° Skew	SUBJECT THE INFRINGER TO DAMAGES AND/OR JUDICIAL ACTION AS PROVIDED BY FEDERAL LAW.
	0.6	0.7	0.7	0.7	0.8	REVISIONS:
	0.7	0.7	0.7	0.8	0.9	
	0.8	0.8	0.8	0.9	1.0	NO. REVISION DATE
	0.9	0.9	0.9	1.0	1.2	
	1.0	1.1	1.1	1.1	1.4	
	1.2	1.2	1.2	1.3	1.6	
	1.3	1.3	1.4	1.5	1.7	
	1.4	1.4	1.5	1.6	1.8	
	1.6	1.6	1.7	1.8	2.1	DATE: <u>4/27/2023</u>
	N/A	1.9	1.9	2.1	N/A	DESIGNED BY: DC
	N/A N/A	2.1	2.1 N/A	N/A	N/A N/A	CHECKED BY:RB
	,		,	,,,,	,,.	PROJ #: PARKS-2023-0001
	_	1.	SHEET 1	OF 2		DRIPPING SPRINGS Texas
		🖈 [°] Texas Depar	tment of Tran	sportation	Bridge Division Standard	PROJECT:
	_	AFETY FOR	END 12" DIA T PIPE CULV I ~ CROS	TREAT	MENT IA	RANCH HOUSE ROAD PHASE 2
			~			SHEET TITLE:
	FILE: ©TxDOT	setpcdse-20.dgi February 2020 REVISIONS	DN: GAF	CK: CAT DW	CK: GAF HIGHWAY SHEET NO.	DRAINAGE DETAILS (SETP-CD)
						23 OF 28



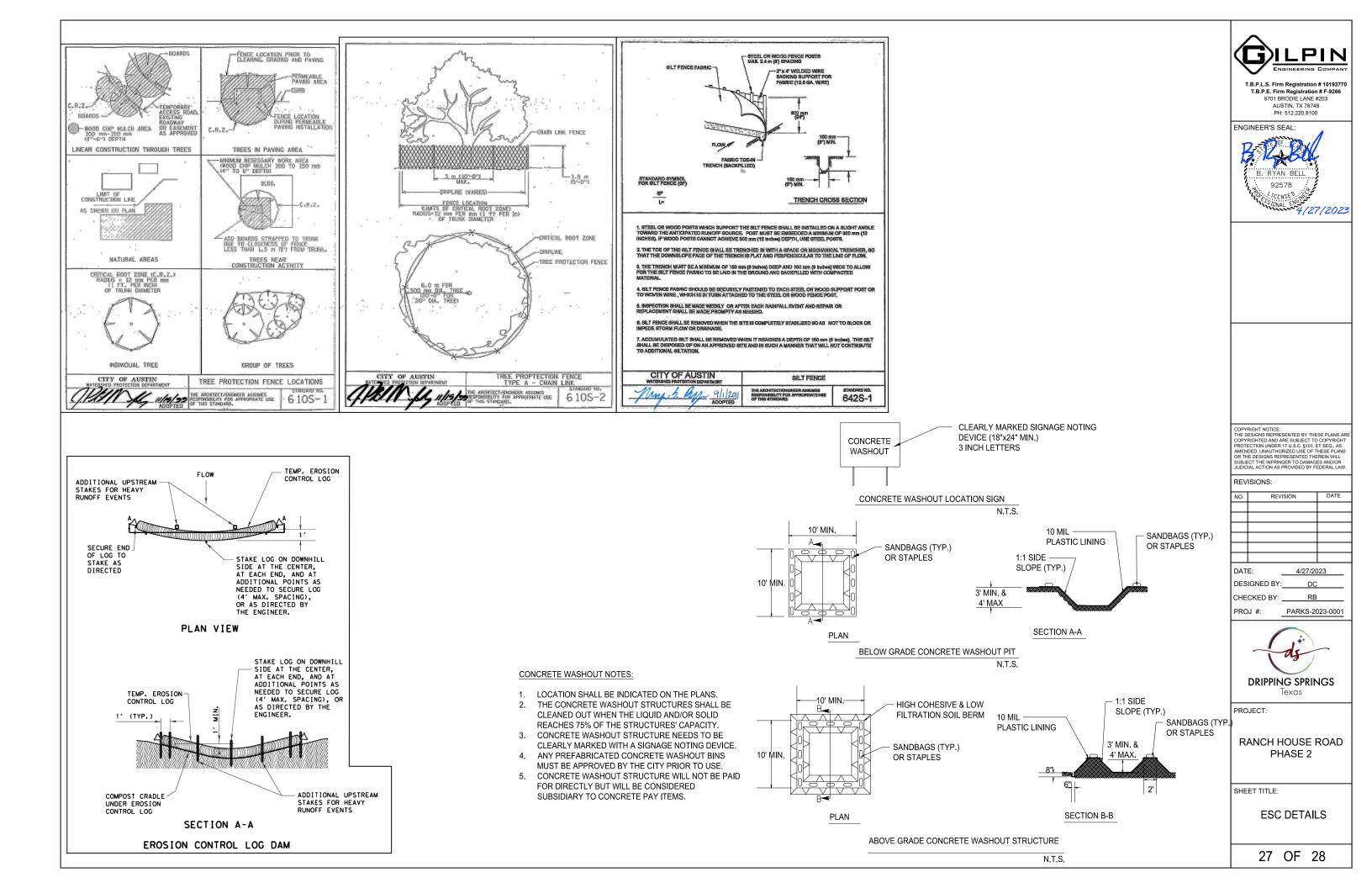


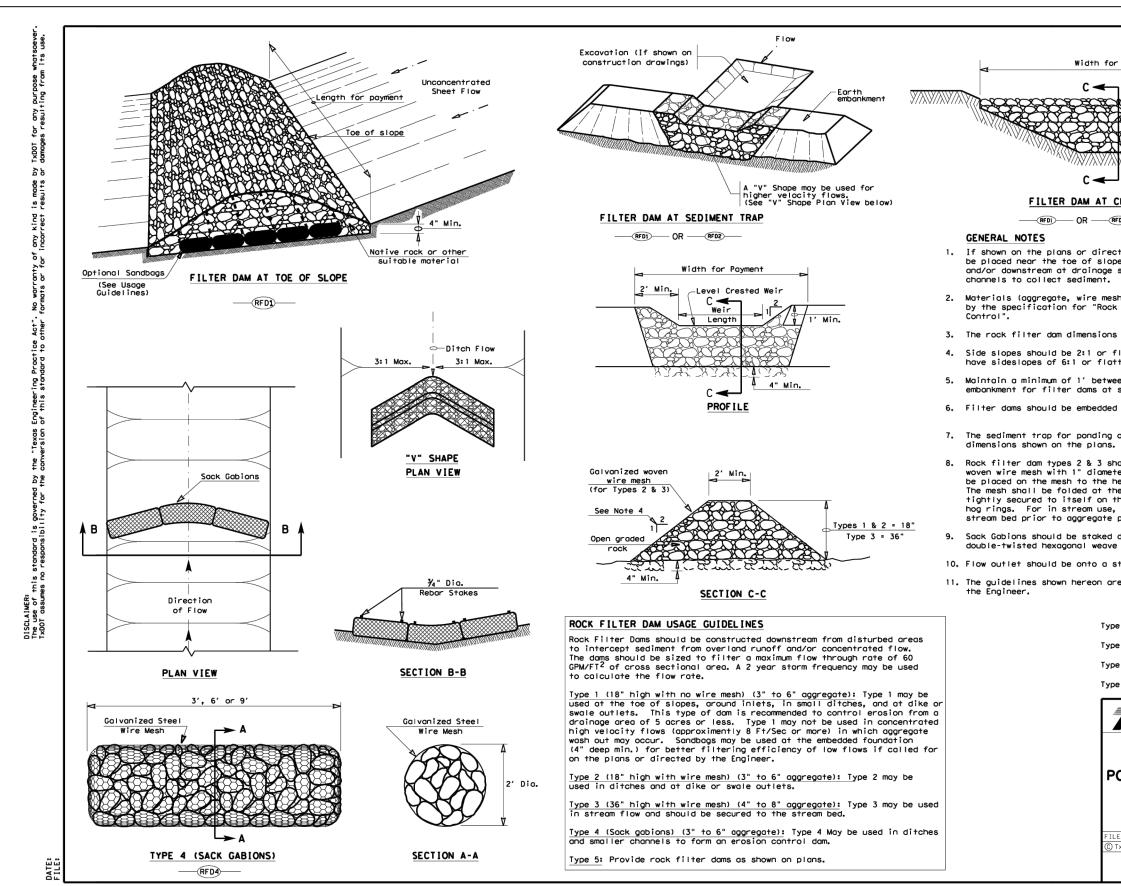
0' 20' 40' SCALE : 1" = 40'	CENSING CONSISTENCE OF CONSISTENCE O
LEGEND	
	COPYRIGHT NOTICE:
PROPOSED PAVEMENT • EXISTING TREE TO REMAIN • EXISTING TREE TO REMAIN • EXISTING 1' CONTOUR • EXISTING 5' CONTOUR • TREE PROTECTION • SILT FENCE LOC LIMITS OF CONSTRUCTION CONCRETE WASHOUT CONCRETE WASHOUT ITS OF CONSTRUCTION IS APPROXIMATELY 1.71 EROSION AND SEDIMENTATION CONTROL DETAILS OR MORE INFORMATION ON INSTALLATION. RBED AREAS SHALL BE RE-VEGETATED. ATION TO BE ESTABLISHED AT 70% COVERAGE AND ED PER CITY OF AUSTIN RE-VEGETATION	THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHT AND ARE SUBJECT TO COPYRIGHT PROTECTION UNDER 17 U.S.C. \$101, ET SEG., AS AMENDED. UNAUTHORIZED USE OF THESE PLANS OR THE DESIGNS REPRESENTED THEREIN WILL USE CT THE INFINICER TO DAMAGES AND/OR JUDICIAL ACTION AS PROVIDED BY FEDERAL LAW. REVISIONS: NO. REVISION DATE DATE: 4/27/2023 DESIGNED BY: DC CHECKED BY: RB PROJ #: PARKS-2023-0001
TION. TOR TO SCHEDULE WORK HOURS OF INSTALLATIONS POPERATOR TO AVOID DISRUPTION OF ONGOING OR ED MAINTENANCE WORK. JIPMENT AND MACHINERY IS TO BE CLEARED FROM (DSRP MAINTENANCE STAFF WORK AREAS WHEN E.	DRIPPING SPRINGS Texas PROJECT: RANCH HOUSE ROAD PHASE 2 SHEET TITLE: EROSION & SEDIMENTATION CONTROL PLAN 25 OF 28



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ENGINEER'S SEAL:						
	10:1/CENSE					
COPYRIGHT NOTICE: THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT PROTECTION UNDER 17 U.S. (\$101, ET SEO., AS AMENDED. UNAUTHORIZED USE OF THESE PLANS OR THE DESIGNS REPRESENTED THEREIN WILL SUBJECT THE INFRINGER TO DAMAGES AND/OR JUDICIAL ACTION AS PROVIDED BY FEDERAL LAW.						
REV	ISIONS:					
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DRIPPING SPRINGS						
PROJECT:						
RANCH HOUSE ROAD PHASE 2						
SHEET TITLE:						
EROSION & SEDIMENTATION CONTROL PLAN						
26 OF 28						





	T.B.P.L.S. Firm Registration # 10193770 T.B.P.L.S. Firm Registration # F-9266 9701 BRODIE LANE #203 AUSTIN, TX 78748 PH: 512.220.8100
	ENGINEER'S SEAL:
Calvanized Woven Wire Mesh (for Types 2 & 3)	B. RYAN BELL 92578 ICENSE 4/27/2023
CHANNEL SECTIONS (#FD2) OR (FFD3) ected by the Engineer, filter dams should	
opes where erosion is anticipated, upstream e structures, and in roadway ditches and	
esh, sandbags, etc.) shall be as indicated ck Filter Dams for Erosion and Sedimentation	
ns shall be as indicated on the SW3P plans.	
flatter. Dams within the safety zone shall atter.	
ween top of rock filter dam weir and top of t sediment traps.	COPYRIGHT NOTICE: THE DESIGNS REPRESENTED BY THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO COPYRIGHT
ed a minimum of 4" into existing ground.	PROTECTION UNDER 17 U.S.C. §101, ET SEQ., AS AMENDED. UNAUTHORIZED USE OF THESE PLANS OR THE DESIGNS REPRESENTED THEREIN WILL SUBJECT THE INFRINGER TO DAMAGES AND/OR JUDICIAL ACTION AS PROVIDED BY FEDERAL LAW.
g of sediment laden runoff shall be of the s.	REVISIONS:
shall be secured with 20 gauge galvanized eter hexagonal openings. The aggregate shall height & slopes specified. the upstream side over the aggregate and the downstream side using wire ties or e, the mesh should be secured or staked to the e placement.	NO. REVISION DATE
d down with $rac{3}{4}$ " dia. rebar stakes, and have a ve with a nominal mesh opening of 2 $lash_2$ " x 3 $lash_4$ "	DATE: <u>4/27/2023</u>
stabilized area (vegetation, rock, etc.).	DESIGNED BY: DC
are suggestions only and may be modified by	CHECKED BY:RB
PLAN SHEET LEGEND	PROJ #:PARKS-2023-0001
ype 1 Rock Filter Dam	(, *
ype 2 Rock Filter Dam	jag
ype 3 Rock Filter Dam	
ype 4 Rock Filter Dam	DRIPPING SPRINGS Texas
Design Division	PROJECT:
Texas Department of Transportation Standard	
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES	RANCH HOUSE ROAD PHASE 2
ROCK FILTER DAMS	
EC (2) - 16 ILE: ec216 DN+TXDOT CK+ KM DM+ VP DM/CK+ LS D TXDOT: JULY 2016 CONT SECT JOB HIGHWAY REVISIONS DM/CK DM/CK+ LS DM/CK+ LS DM/CK+ LS	ESC DETAILS (EC (2)-16)
DIST COUNTY SHEET NO.	28 OF 28
]]