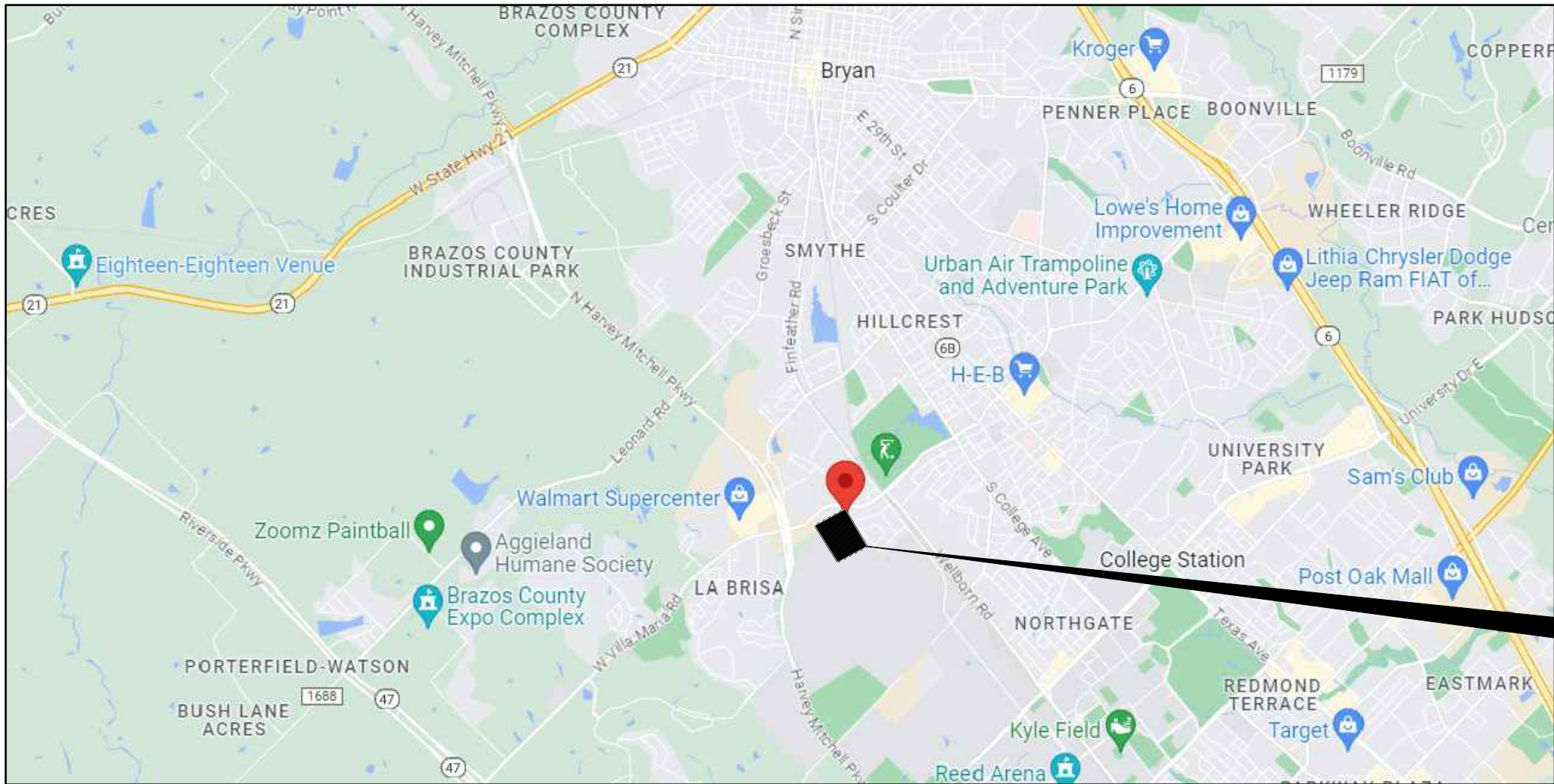
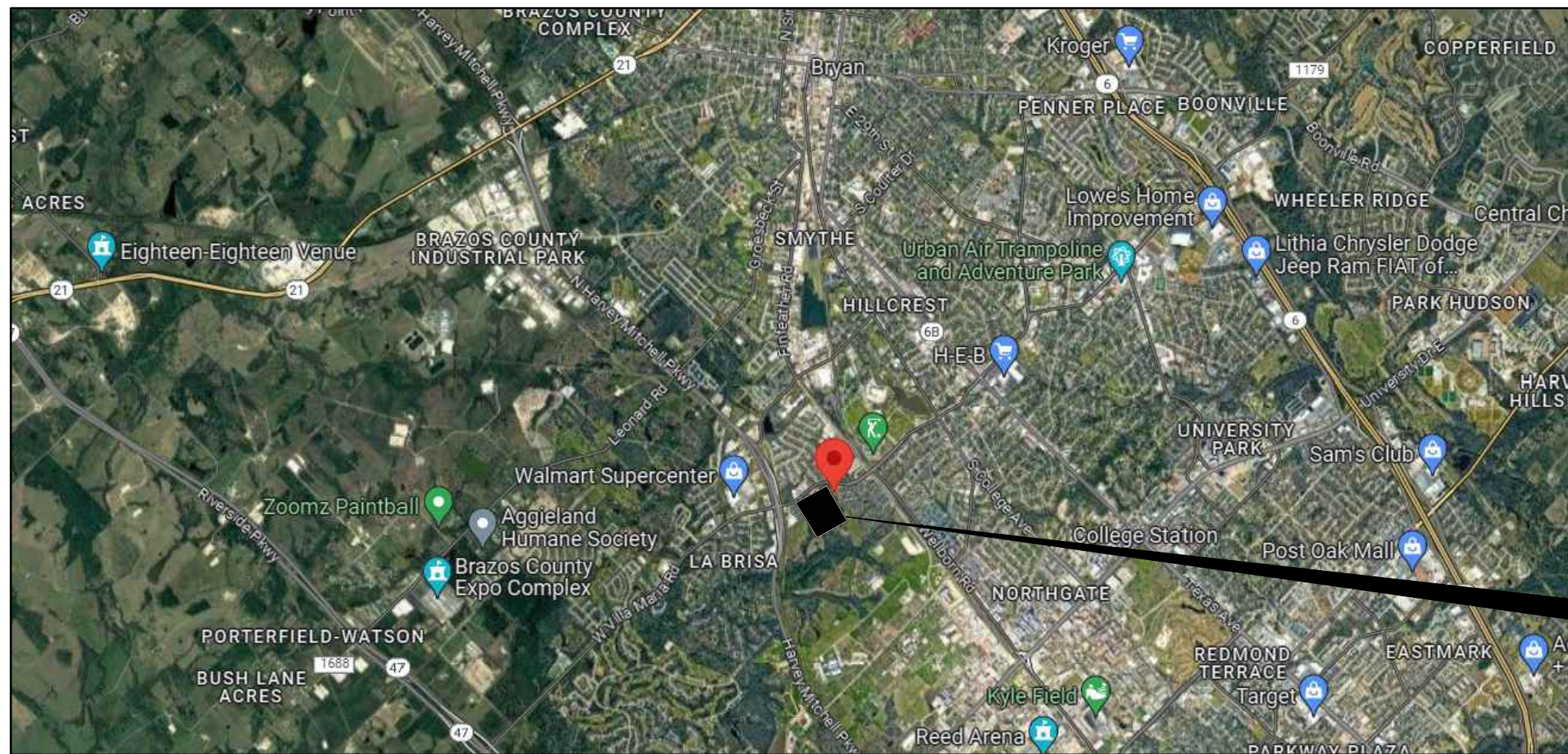


PROPOSED "CONVENIENCE STORE & GAS STATION"
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801



VICINITY MAP
N.T.S



PROJECT LOCATION
N.T.S

DEVELOPMENT AREA	
TOTAL ACREAGE	= 2.43 ACRES
PROPOSED DEVELOPMENT	= 2.43 ACRES
TYPE OF DEVELOPMENT	= 1 STORY BUILDING

FLOOD PLAN INFORMATION			
F.I.R.M. NO.	48041C	PANEL	0215F
EFFECTIVE DATE	04-02-2014	ZONE	"X"
FLOOD INFORMATION PROVIDED HEREON IS BASED ON SCALING THE LOCATION OF THE SUBJECT TRACT ON THE FLOOD INSURANCE RATE MAPS. THE INFORMATION SHOULD BE USED TO DETERMINE FLOOD INSURANCE RATES ONLY AND IS NOT INTENDED TO IDENTIFY SPECIFIC FLOODING CONDITIONS. WE ARE NOT RESPONSIBLE FOR THE F.I.R.M.'S ACCURACY.			

PROJECT DESCRIPTION

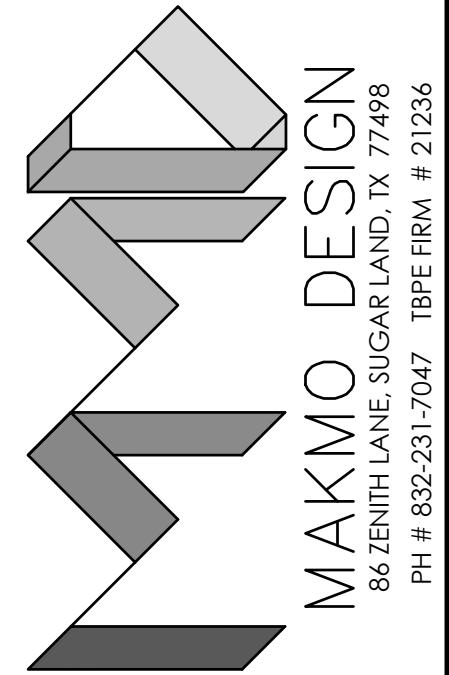
PROJECT NAME	: PROPOSED C-STORE & GAS STATION
LOCATION	: 1001 W VILLA MARIA RD, BRYAN, TX 77801
PROJECT DESCRIPTION	: A GROUND UP CONSTRUCTION OF A ONE STORY C-STORE BUILDINGS 7,136 SQ.FT

SHEET INDEX

CIVIL	
C-0.0	COVER SHEET
C-0.1	TOPOGRAPHIC SURVEY
C-1.0	SITE PLAN
C-2.0	GRADING PLAN
C-2.1	DRAINAGE PLAN
C-2.2	DRAINAGE CALCULATIONS
C-2.3	SITE SECTION
C-3.0	EROSION AND SEDIMENT CONTROL PLAN
C-4.0	UTILITY PLAN
C-5.0	PAVING PLAN
C-6.0	SITE DETAILS
C-6.1	CONSTRUCTION DETAILS
C-6.2	SWPPP DETAILS
L-100	LANDSCAPE PLAN

ISSUE FOR:			
FOR INTER REVIEW ONLY			
BID ONLY			
PERMITS SET			
CONSTRUCTION SET			<input checked="" type="checkbox"/>

REVISIONS:		
NO.	DATE	DESCRIPTION



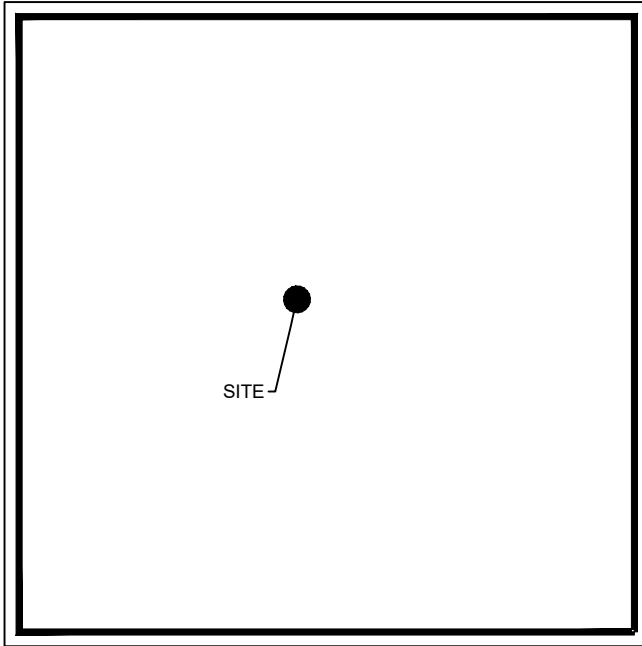
PROPOSED C STORE & GAS STATION
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801

SEAL	
DATE:	6/18/2025

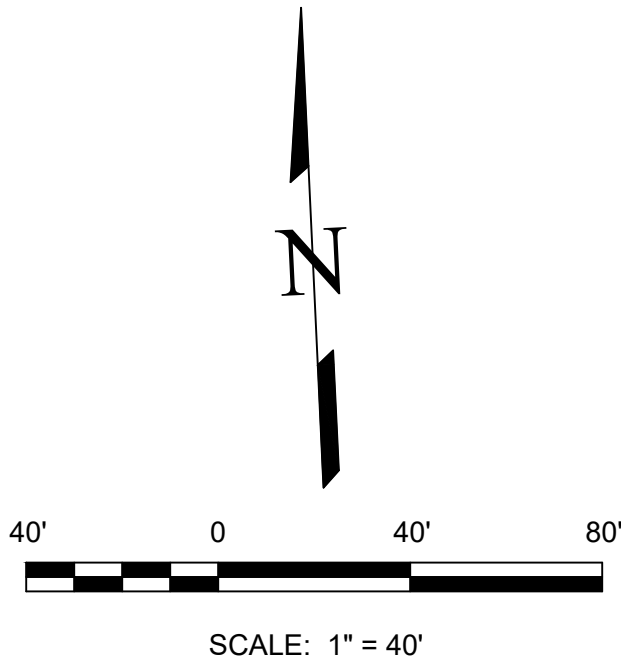
PROJECT NUMBER	23-000
SCALE	N/A
DRAWN BY	R.R
CHECKED BY	A.Z
SHEET TITLE	:

COVER SHEET

DRAWING NUMBER:
C-0.0



LOCATION MAP
NTS



TOVM, LTD
LOT 78 BLOCK 18
CITED 2.942 ACRES
CASA MARIA SUBDIVISION
13462 / 005 ORBCT

LANA MARINA RENEE, DVM
WESTERN NATIONAL BANK SUBDIVISION
LOT 1 CITED 1.47 ACRES
7212 / 014 ORBCT

MOMIN MUSHTAQALI & ADIL R. MOMIN
WESTERN NATIONAL BANK SUBDIVISION
LOT 2 CITED 2.43 ACRES
16358 / 247 ORBCT

FORESTWOOD DRIVE
(80' R.O.W. ASPHALT PAVEMENT / CONCRETE CURB & GUTTER)

LEGEND

- ⊙ = CLEANOUT
E = ELECTRIC METER
GAS = GAS VALVE
IRRIG = IRRIGATION CONTROL VALVE
S = SANITARY MANHOLE
⊕ = UTILITY POLE
= SIGN
TV = CABLE TV SERVICE PEDESTAL
T = TELEPHONE PEDESTAL
W = WATER METER
WV = WATER VALVE
= WOOD FENCE
= CHAINLINK FENCE
SS = SANITARY SEWER LINE
OHE = OVERHEAD ELECTRIC

L1 S 85°44'31" E 174.32'
PLAT CALL: S 83°03'54" E 174.32'

C1 RADIUS= 25.00'
ARC= 38.37'
Δ= 87°56'15"
PLAT CALL R= 25.00'

GENERAL SURVEY NOTES:

- MONUMENTATION AS SHOWN.
 - 1/2" ROD FOUND
- BASIS OF BEARINGS UTILIZED IS THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE 5376, NAD 83. BEARINGS & DISTANCES CITED HEREON ARE SHOWN AS FOUND OR MEASURED WITH THE RECORDED OR PUBLISHED BEARINGS & DISTANCES SHOWN AS REFERENCE.
- FIELD SURVEY COMPLETED ON NOVEMBER 11, 2022.
- THE PHYSICAL ADDRESS FOR THE PROPERTY SHOWN HEREON IS 1101 W VILLA MARIA ROAD, BRYAN, TEXAS, 77801.
- ALL ABOVEGROUND, PHYSICAL AND VISIBLE IMPROVEMENTS ARE SHOWN HEREON INCLUDING BUT NOT LIMITED TO FENCING, CONCRETE SIDEWALKS, POWER POLES, UTILITY METER BOXES OR VAULTS, CONCRETE DRIVEWAY APRONS AND BOLLARDS POSTS. THERE EXISTS A STAND OF MIXED HARDWOOD TREES IN THE LOWER SOUTHEAST PORTION OF THE TRACT; A TREE SURVEY WAS NOT A PART OF THIS SURVEY PRODUCT THEREFORE NO TREE SPECIMENS ARE SHOWN HEREON.
- THIS PLAT SHALL NOT BE CONSTRUED TO REPRESENT A BOUNDARY SURVEY.
- THE OFFICIAL PLAT FOR WESTERN NATIONAL BANK SUBDIVISION IS RECORDED UNDER CLERK'S FILE NO. 1982-223459, ORBCT OR VOL. 517, PG. 707, MRBCT.
- ABOVEGROUND VISIBLE UTILITIES SHOWN HEREON ARE THE RESULT OF EVIDENCE COLLECTED AS PART OF AN ON-THE-GROUND SURVEY ONLY. NO UTILITY MAPS WERE PROVIDED BY ANY UTILITY COMPANY OR THE CITY OF BRYAN, NOR WAS A TEXAS 811 CALLED INITIATED. SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN HEREON COMPRISE ALL FEATURES ON THE SUBJECT TRACT, EITHER IN SERVICE OR ABANDONED.
- ACCORDING TO FEMA FLOOD INSURANCE RATE MAP PANEL NO. 48041C215F DATED APRIL 2, 2014 FOR THE CITY OF BRYAN, BRAZOS COUNTY, TEXAS, THE PROPERTY SHOWN HEREON APPEARS TO LIE WITHIN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD. THIS DETERMINATION IS MADE UTILIZING PUBLISHED DIGITAL IMAGERY AND SCALING FROM AFOREMENTIONED FEMA MAP PRODUCTS. NO ELEVATION CERTIFICATE WAS PREPARED AT THE TIME OF THIS SURVEY.
- ORBCT DENOTES OFFICIAL RECORDS OF BRAZOS COUNTY, TEXAS; P.O.B. DENOTES POINT OF BEGINNING; DRBCT DENOTES DEED RECORDS OF BRAZOS COUNTY, TEXAS; MRBCT DENOTES MAP RECORDS OF BRAZOS COUNTY, TEXAS.

SURVEYOR'S CERTIFICATION:

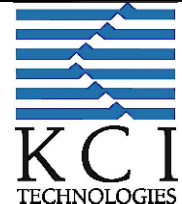
To: MUSHTAQALI MOMIN & ADIL R. MOMIN AND/OR THEIR ASSIGNS:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND BY ME OR UNDER MY DIRECT SUPERVISION OF THE PROPERTY SHOWN HEREON. THERE WERE NO ABOVEGROUND VISIBLE ENCROACHMENTS OBSERVED AT THIS TIME EXCEPT AS SHOWN HEREON AND THAT THIS PLAT CORRECTLY REPRESENTS THE FACTS FOUND AT THE TIME OF SURVEY TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THIS PLAT SUBSTANTIALLY COMPLIES WITH REQUIREMENTS FOR A TEXAS SOCIETY OF PROFESSIONAL SURVEYORS' (TSPS) CATEGORY 6 TOPOGRAPHIC SURVEY AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO RULES OF PROCEDURES AND PRACTICES AS PROMULGATED BY THE TEXAS BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

STEVEN RAY ESTES, RPLS
TEXAS REGISTRATION NO. 5631
FEBRUARY 1, 2023

PLAT SHOWING TSPS CATEGORY 6 TOPOGRAPHIC SURVEY OF

LOT 2 OF WESTERN NATIONAL BANK SUBDIVISION
A CITED 2.429 ACRE TRACT OF LAND
SITUATED IN THE
ZENO PHILLIPS LEAGUE OR SURVEY, ABSTRACT NO. 45
BRYAN, BRAZOS COUNTY, TEXAS



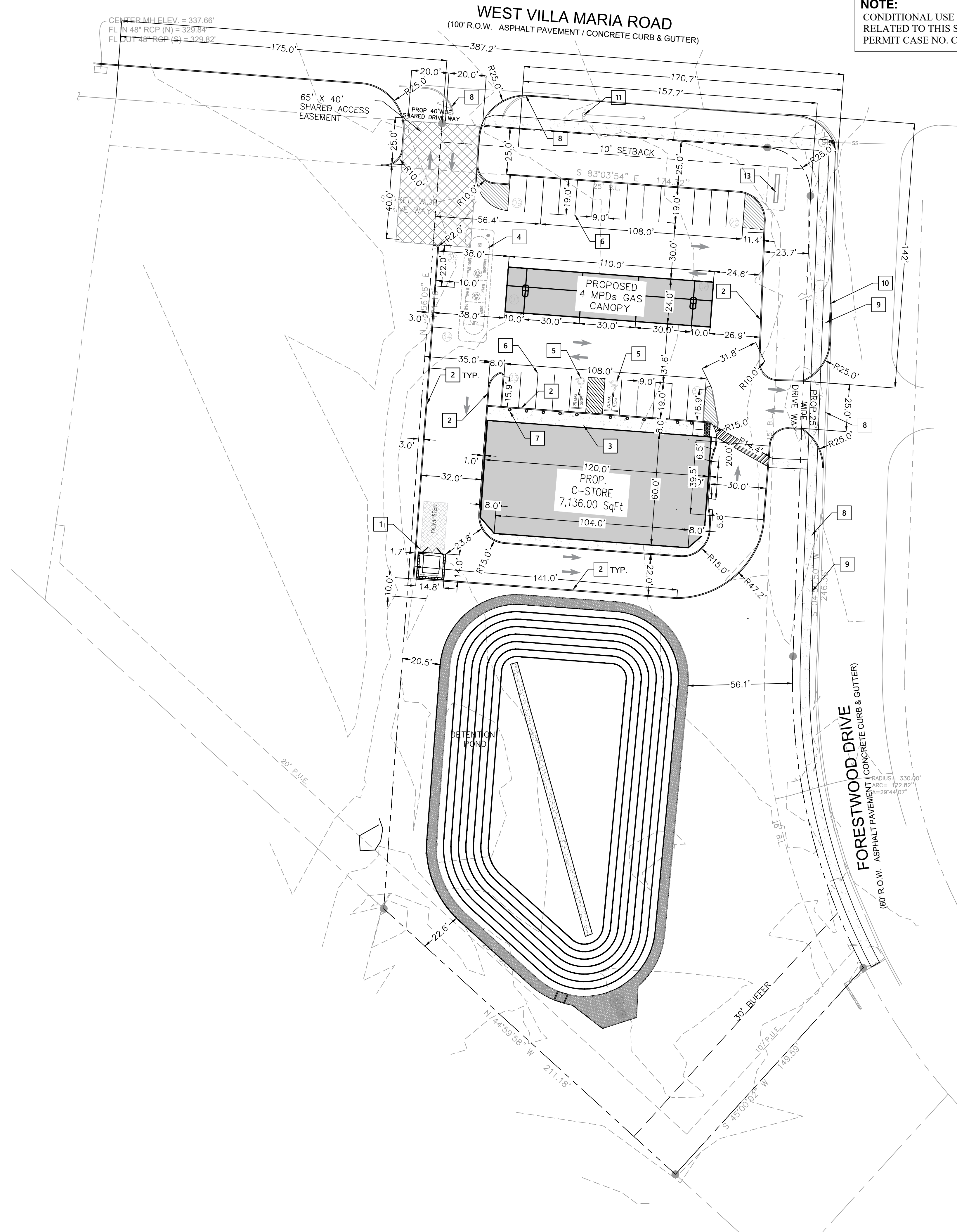
KCI TECHNOLOGIES, INC.

1555 GREENS PRAIRIE ROAD WEST
COLLEGE STATION, TEXAS 77845
PHONE: 979.846.6212
KCI.COM
REGISTRATION: ENG F-2214 & SURVEYING 10042800

DATE: FEBRUARY 1, 2023
JOB NO. 342210287
DESIGNED BY:
DRAWN BY: LC
CHECKED BY: SRE

SHEET

1



NOTE:
CONDITIONAL USE PERMIT CASE NUMBER
RELATED TO THIS SITE. (CONDITIONAL USE
PERMIT CASE NO. CU24-000106)

- 1 TRASH ENCLOSURE SEE DETAIL ON SHEET C-6.0.
- 2 6" CONCRETE CURB SEE DETAIL ON SHEET C-6.0.
- 3 CONCRETE SIDEWALK SEE DETAIL ON SHEET C-6.0.
- 4 PROPOSED FUEL TANK BY OTHERS.
- 5 FOR ADA PARKING DETAIL AND SIGN REFER DETAIL ON SHEET C-5.0.
- 6 NEW PAVEMENT MARKING FOR PARKING SPACES
- 7 INSTALL NEW BOLLARDS. SEE DETAIL ON THIS SHEET.
- 8 REMOVE EX CURB
- 9 REMOVE EX DRIVEWAY.
- 10 NEW 6" CONCRETE CURB PER CITY OF BRYAN.
- 11 EX POWER POLE TO REMAIN. PROTECT IN PLACE.
- 13 PYLON SIGN, THE MAXIMUM SIGN HEIGHT 8' WITH 40 SF MAX. FOOTAGE. TO BE APPROVED BY OWNER

PARKING CALCULATION:-

CONVENIENCE STORE (TYPE M)	
CONVENIENT STORE: 7136.00 Sqft /250	= 29
TOTAL PARKING REQUIRED	= 29
ADA PARKING PROVIDED	= 2
PUMP SPACES PROVIDED	= 8
PARKING PROVIDED	= 26
TOTAL PARKING PROVIDED	= 36

SIGNAGE NOTE:

- SINCE THE PROPERTY IN THE WEST VILLA MARIA CORRIDOR OVERLAY DISTRICT & ZONED C-2, THE MAXIMUM SIGN HEIGHT (NO MATTER THE LOCATION) WOULD BE 8 FEET.
- THE MAXIMUM SQUARE FOOTAGE WOULD BE 40 SQ.FT.
- SIGNAGE MAY NOT BE LOCATED WITHIN AN UTILITY OR RIGHT-OF-WAY EASEMENT.

FLOODPLAIN INFORMATION
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) MAP NO. 48041C0215F, WITH THE EFFECTIVE DATE OF OCTOBER 16, 2014, THE PROPERTY IS LOCATED IN FLOOD ZONE "X-1". AREAS DETERMINED TO BE OUTSIDE OF THE REGULATED FLOODWAY. ALL FLOODPLAIN INFORMATION NOTED IN THE PLAT REFLECTS THE STATUS PER THE FEMA FIRM MAP THAT IS EFFECTIVE AT THE TIME THAT THE PLAT IS RECORDED. FLOODPLAIN AND FLOODWAY STATUS IS SUBJECT TO CHANGE AS FEMA FIRM MAPS ARE UPDATED.

DIMENSION LAYOUT NOTES:

1. THE CONTRACTOR SHALL LAYOUT AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR DIRECTION AND RESOLUTION OF DISCREPANCIES PRIOR TO PROCEEDING.
2. VERIFY LOCATIONS OF ALL SITE IMPROVEMENTS INSTALLED UNDER OTHER SECTIONS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE ENGINEER FOR INSTRUCTION PRIOR TO COMMENCING WORK.
3. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALE.
4. WHERE DIMENSIONS ARE CALLED AS "EQUAL", ALL REFERENCED ITEMS SHALL BE SPACED EQUALLY, MEASURED TO THEIR CENTER LINES.
5. ALL DIMENSIONS ARE PERPENDICULAR TO FACE OF BUILDING, WALL OR OTHER FIXED SITE IMPROVEMENT AND DIMENSIONS AT CURB ARE FROM BACK OF CURB UNLESS OTHERWISE NOTED.
6. INSTALL ALL INTERSECTING ELEMENTS AT 90 DEGREES TO EACH OTHER UNLESS OTHERWISE NOTED.

EXPANSION JOINTS:

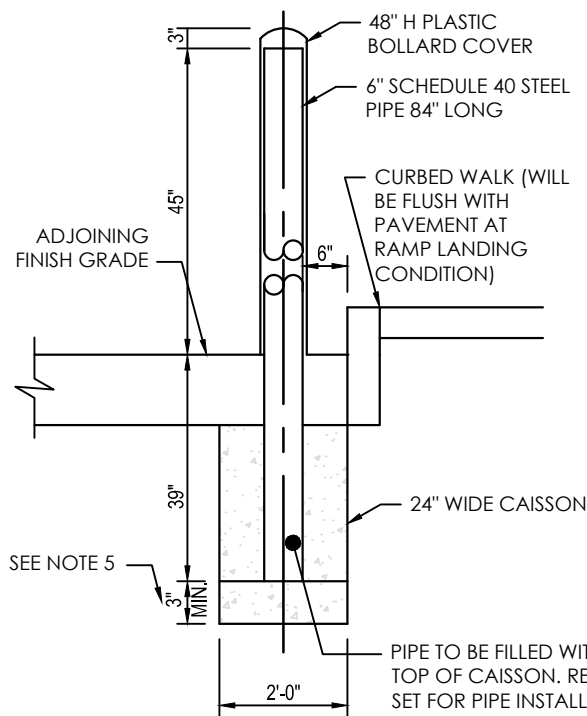
PROVIDE EXPANSION JOINTS IN ALL CASES WHERE CONCRETE FLATWORK MEETS OTHER STRUCTURES SUCH AS WALLS, CURBS, STEPS & BUILDINGS OR WHERE CONCRETE ABUTS EXISTING CONCRETE PAVING, UTILITY VAULTS, JUNCTION BOXES, ETC. EXPANSION JOINTS REQUIRED AT THESE STRUCTURES MAY NOT BE SHOWN ON THESE DRAWINGS BUT ARE A CONSTRUCTION REQUIREMENT. SEE DETAILS FOR LOCATIONS THAT REQUIRE INSTALLATION OF DOWELS.

GENERAL NOTES

1. LOCATIONS OF THE EXISTING UTILITIES ARE BASED ON RECORDS FROM SAID UTILITY COMPANIES AND ARE HORIZONTALLY FIELD LOCATED ONLY. THE CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL LOCATION.
2. CONTRACTOR TO UNCOVER AND MARK UTILITY LINES BEFORE CONSTRUCTION.
3. CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COST OF REPAIR OR REPLACEMENT OF EXISTING UTILITIES, DAMAGED OR INTERRUPTED AS A RESULT OF THIS CONSTRUCTION PROJECT.
4. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE OWNER OF ANY DAMAGED OR INTERRUPTED UTILITIES IMMEDIATELY.
5. ALL WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL WATER STANDARD PIPELINE MATERIALS AND CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
6. EXISTING UTILITIES TO REMAIN ARE TO BE ADJUSTED TO MATCH PROPOSED GRADE.
7. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER PRIOR TO BEGINNING WORK.
8. ALL AREAS WITHIN THE PAVED AREAS ARE TO RECEIVE A GRAVEL BASE TO PROVIDE EROSION CONTROL. IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER, A RATE OF 1.5 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
9. ALL AREAS NOT WITHIN THE PAVED AREA ARE TO RECEIVE LOOSE STRAW TO PROVIDE EROSION CONTROL. IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER, A RATE OF 1.5 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
10. AFTER NEW INLETS ARE CONSTRUCTED, INSTALL INLET PROTECTION PER DETAIL.
11. CONTRACTOR WILL CONTROL AND PREVENT OFF-SITE TRACKING OF CONSTRUCTION RUNOFF AND SEDIMENT TO ADJACENT PROPERTY AND PUBLIC ROADS.
12. CONTRACTOR IS TO PROTECT EXISTING STORM DRAINAGE SYSTEM.
13. CONTRACTOR TO CONFORM TO ALL CONSTRUCTION STORM WATER AND EROSION CONTROL, PERMITTING REQUIREMENTS BY "EPA PHASE II STORM WATER REGULATION" AS ADMINISTERED BY THE TEXAS COMMISSION OF ENVIRONMENTAL QUALITY. WHERE PERMITTING IS REQUIRED, A COPY OF THE NOTICE OF INTENT SHALL BE PROVIDED TO THE LOCAL MUNICIPAL AUTHORITY.
14. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES IN ACCORDANCE WITH THE TEXAS UNDERGROUND FACILITIES DAMAGE PREVENTION ACT. THIS LAW REQUIRES THAT THE CONTRACTOR MAKE A TELEPHONE CALL TO THE CITY OF BRYAN PUBLIC WORKS (878-208-5800) AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION TO ENSURE THAT ANY EXISTING UTILITIES CAN BE LOCATED.
15. CONTRACTOR TO CONSTRUCT ALL ACCESS RAMPS AND PAVING TO ADA STANDARDS. VERIFY.
16. TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
17. EXCESS EXPORTS SHALL BE STOCKPILED AT LOCATION APPROVED BY OWNER AND CONFIRMED BY ENGINEER OF RECORD.

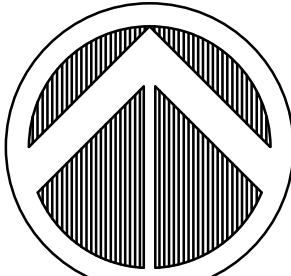
SEE ARCHITECTURAL PLANS
FOR BUILDING DIMENSIONS

ALL DIMENSIONS ARE TO BACK OF
CURB UNLESS NOTED OTHERWISE



- NOTE:**
1. CONCRETE MUST BE MINIMUM 4000 PSI COMPRESSIVE STRENGTH WITH FIBER MESH.
 2. PROVIDE PLASTIC BOLLARD COVER. COVER TO BE IDEASHELD FOR APPROVED EQUAL 1/2\"/>
 3. DESIGN PARAMETERS:
 - 20 MPH
 - 5,000 LB VEHICLE
 4. USE SLOTTURE IN SANDY OR OTHER SOILS THAT MIGHT CAVE IN.
 5. INCREASE DEPTH OF CAISSON BELOW PIPE TO MEET LOCAL JURISDICTION MINIMUM FROST DEPTH REQUIREMENT. PIPE CAN STAY AT 3\"/>
 6. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY NO UTILITY CONFLICTS EXIST WHERE BOLLARDS ARE TO BE INSTALLED. PRIOR TO INSTALLATION.

BOLLARD
SCALE: NTS

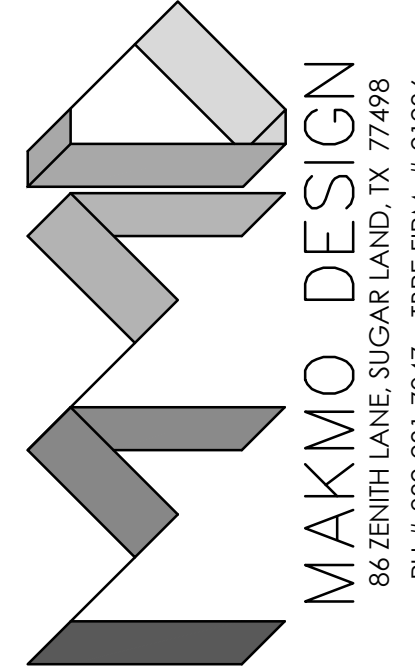


30 15 0 30 60
SCALE

ISSUE FOR:
FOR INTER REVIEW ONLY
BID ONLY
PERMITS SET
CONSTRUCTION SET

REVISIONS:

NO.	DATE	DESCRIPTION



PROPOSED C STORE & GAS STATION
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801

SEAL

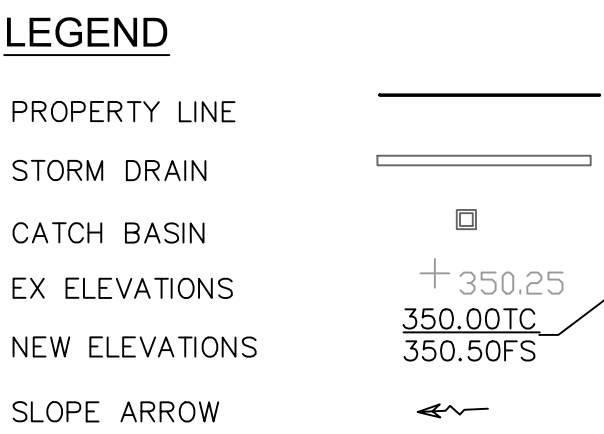
DATE: 6/18/2025

PROJECT NUMBER 23-000
SCALE 1" = 30'
DRAWN BY R.R
CHECKED BY A.Z
SHEET TITLE :

**SITE
PLAN**

DRAWING NUMBER:

C-1.0



FLOODPLAIN INFORMATION
ACCORDING TO THE FEDERAL EMERGENCY
MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE
RATE MAP (FIRM) MAP NO. 48041C021F5, WITH THE
EFFECTIVE DATE OF OCTOBER 16, 2014, THE
PROPERTY IS LOCATED IN FLOOD ZONE "X", AREAS
DETERMINED TO BE OUTSIDE OF THE REGULATED
FLOODWAY. ALL FLOODPLAIN INFORMATION NOTED
IN THE PLAT REFLECTS THE STATUS PER THE FEMA
FIRM MAP THAT IS EFFECTIVE AT THE TIME THAT THE
PLAT IS RECORDED. FLOODPLAIN AND FLOODWAY
STATUS IS SUBJECT TO CHANGE AS FEMA FIRM
MAPS ARE UPDATED.

NOTE:

A PROPERTY OWNER'S ASSOCIATION (POA) SHALL BE ESTABLISHED WITH DIRECT RESPONSIBILITY TO, AND CONTROLLED BY, THE PROPERTY OWNER(S) TO PROVIDE FOR THE OPERATION, REPAIR, AND MAINTENANCE OF THE PRIVATE STORMWATER DETENTION FACILITY AND ANY ASSOCIATED DRAINAGE IMPROVEMENTS ON-SITE. THE CITY OF BRYAN SHALL NOT BE RESPONSIBLE FOR ANY OPERATION, REPAIR, OR MAINTENANCE OF THESE FACILITIES.

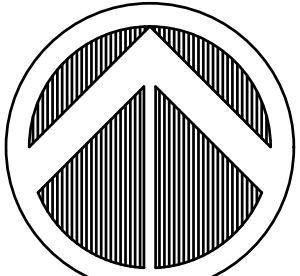
PLANNED PLANT PLAN NOTES

1. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASE OF THE PROJECT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASE OF THE PROJECT.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNALS, AND FLARE LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE OWNER PRIOR TO PLACEMENT.
3. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL BE LIMITED TO NORMAL WORKING HOURS.
4. CONSTRUCTION REVIEW, INSPECTION, AND OBSERVATION OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED AS A REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, OR NEAR THE CONSTRUCTION SITE.
5. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL PERMITS FROM ALL AUTHORITIES AND AGENCIES WITHIN THE WORKING JURISDICTION OVER THIS SITE, AS REQUIRED, PRIOR TO BEGINNING WORK.
6. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL COMPLY WITH THE EROSION CONTROL PLAN AND/OR PERMIT.
7. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS.
8. TRIM, MINIMIZE, AND MAINTAIN EXISTING ADJACENT ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES DURING EARTH MOVING OPERATIONS.
 - a. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION.
 - b. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFICWAYS IF REQUIRED BY OWNER OR AUTHORITIES HAVING JURISDICTION.
9. DO NOT CONDUCT WORK ON ADJOINING PROPERTY UNLESS DIRECTED BY ENGINEER.
10. DO NOT COMMENCE EARTH-MOVING OPERATIONS UNTIL TEMPORARY EROSION- AND SEDIMENTATION-CONTROL MEASURES ARE IN PLACE.
11. INSTALL DETECTABLE WARNING TAPE ABOVE CONSTRUCTED UTILITIES. DETECTABLE WARNING TAPE IS DEFINED AS: ACID- AND ALKALI-RESISTANT, POLYETHYLENE FILM WARNING TAPE MANUFACTURED FOR MARKING AND IDENTIFICATION UNDERSTANDING WITH ADJACENT ROADS AND A MILS THICK, CONTINUOUSLY INSCRIBED WITH A DESCRIPTION OF THE UTILITY, WITH METALLIC CORE ENCASED IN A PROTECTIVE JACKET FOR CORROSION PROTECTION, DETECTABLE BY A METAL DETECTOR WHEN TAPE IS BURIED UP TO 30 INCHES DEEP, COLORED AS FOLLOWS:
 - a. RED: ELECTRIC.
 - b. YELLOW: GAS, OIL, STEAM, AND DANGEROUS MATERIALS.
 - c. ORANGE: TELEPHONE AND OTHER COMMUNICATIONS
 - d. BLUE: WATER SYSTEMS.
 - e. GREEN: SEWER SYSTEMS.
12. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTH MOVING OPERATIONS.
13. PREVENT AND MAINTAIN EROSION AND SEDIMENTATION CONTROLS DURING EARTH MOVING OPERATIONS.
14. PROTECT SUBGRADES AND FOUNDATION SOILS FROM FREEZING TEMPERATURES AND FROST. REMOVE TEMPORARY PROTECTION BEFORE PLACING SUBSEQUENT MATERIALS.
15. IF EXCAVATED MATERIALS INTENDED FOR FILL AND BACKFILL INCLUDE UNSATISFACTORY SOIL MATERIALS AND ROCK, REPLACE WITH SATISFACTORY SOIL MATERIALS.
16. IF EXCAVATED ELEVATIONS AND DIMENSIONS WITHIN A TOLERANCE OF PLUS OR MINUS 1 INCH, IF APPLICABLE, EXTEND EXCAVATIONS A SUFFICIENT DISTANCE FROM STRUCTURES FOR PLACING AND REMOVING CONCRETE FORMWORK, FOR INSTALLING SERVICES AND OTHER CONSTRUCTION, AND FOR INSTALLING:
 - a. EXCAVATIONS FOR FOOTINGS AND FOUNDATIONS: DO NOT DISTURB BOTTOM OF EXCAVATION. EXCAVATE BY HAND TO FINAL GRADE JUST BEFORE PLACING CONCRETE REINFORCEMENT. TRIM BOTTOMS TO REQUIRED LINES AND GRADES TO LEAVE SLOD BASE TO RECEIVE OTHER WORK.
 - b. EXCAVATION FOR UNDERGROUND TANKS, BASINS, AND MECHANICAL OR ELECTRICAL UTILITY STRUCTURES: EXCAVATE TO ELEVATIONS AND DIMENSIONS INDICATED WITHIN A TOLERANCE OF PLUS OR MINUS 1 INCH. DO NOT DISTURB BOTTOM OF EXCAVATIONS INTENDED AS BEARING SURFACES.
17. EXCAVATIONS AT EDGES OF TREE- AND PLANT-PROTECTION ZONES:
 - a. EXCAVATE BY HAND TO INDICATED LINES, CROSS SECTIONS, ELEVATIONS, AND SUBGRADES. USE NARROW-TINE SPADING FORKS TO COMB SOIL AND ROOTS. DO NOT EXCAVATE, CUT, OR CHIP EXPOSED ROOTS. DO NOT USE MECHANICAL EQUIPMENT THAT RIPS, TEARS, OR PULLS ROOTS.
18. GENERAL: UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE OF IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADES TO CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED.
 - a. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT EXISTING GRADES AND NEW GRADES.
 - b. CUT OUT SPOD SPOTS, FILL LOW SPOTS, AND TRIM HIGH SPOTS TO COMPLY WITH REQUIRED SURFACE TOLERANCES.
19. SITE ROUGH GRADING: SLOPE GRADES TO DIRECT WATER AWAY FROM BUILDINGS AND TO PREVENT SLOPING.

ROOF DRAIN NOTE:

CONTRACTOR TO CONNECT ALL DOWNSPOUTS TO THE NEAREST UNDERGROUND STORM SEWER

CONTRACTOR TO PROVIDE CONCRETE SPLASH BLOCK FOR EACH ROOF DRAIN NOT CONNECTED DIRECTLY TO STORM SEWER PIPING.



NORTH

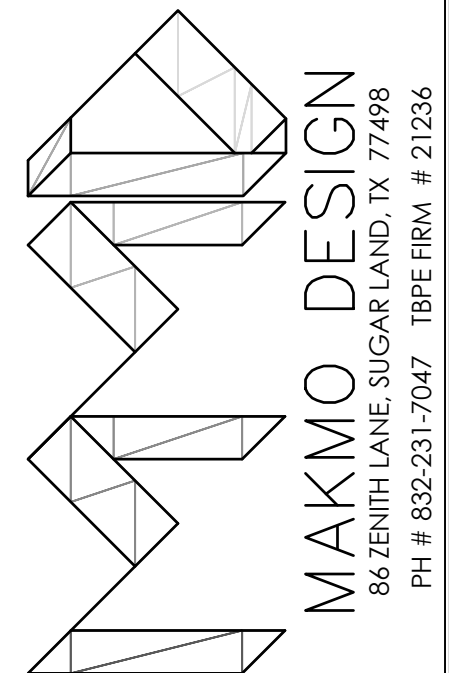


ISSUE FOR:

FOR INTER REVIEW ONLY	<input type="checkbox"/>
BID ONLY	<input type="checkbox"/>
PERMITS SET	<input type="checkbox"/>
CONSTRUCTION SET	<input checked="" type="checkbox"/>

REVISIONS:

NO.	DATE	DESCRIPTION



PROPOSED C STORE & GAS STATION
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801

SEAL

DATE: 6/18/2025

PROJECT NUMBER 23-000

SCALE 1" = 3'

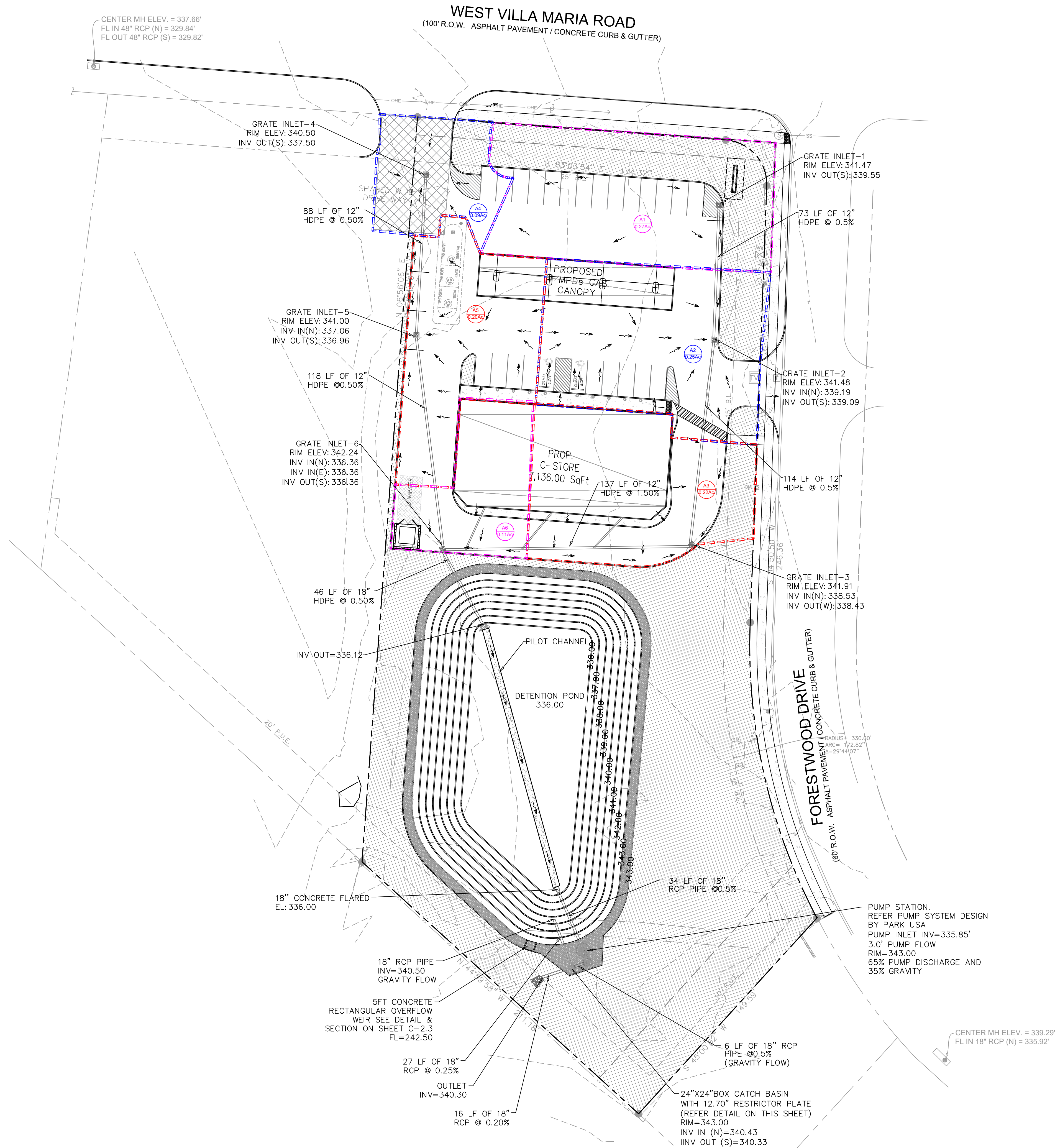
DRAWN BY
CHECKED BY

CHECKED BY _____
SHEET TITLE _____

GRADING PLAN

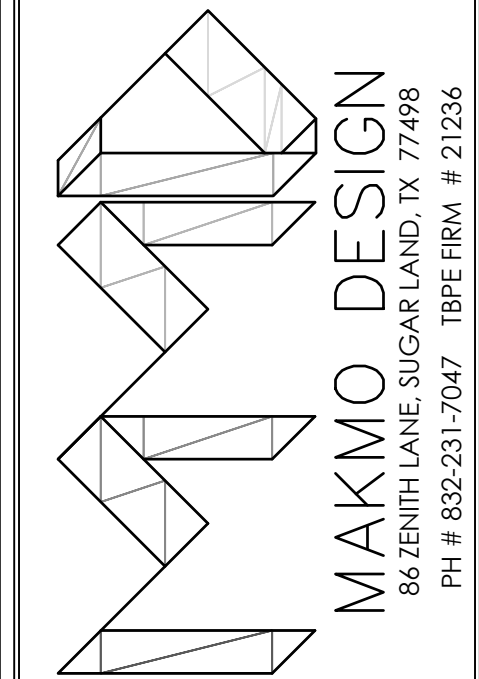
DRAWING NUMBER:

C-2.0



ISSUE FOR:
FOR INTER REVIEW ONLY
BID ONLY
PERMITS SET
CONSTRUCTION SET

REVISIONS:		
NO.	DATE	DESCRIPTION



PROPOSED C STORE & GAS STATION
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801

DATE: 6/18/2025

PROJECT NUMBER 23-000
SCALE 1" = 30'
DRAWN BY R.R
CHECKED BY A.Z
SHEET TITLE :

DRAINAGE PLAN

DRAWING NUMBER:
C-2.1

PreDevelopment Condition						
Drainage Area:	2.43	Ac				
Weighted C:	0.3					
Time of Concentration:						
Flow Length:	250	ft				
Overland (Max 100 ft)						
Upstream Elev:	342.62					
Downstream Elev:	340.75	1.87				
Length	Slope	Mannings n	P2 (NOAA Atlas 14)	Tc (Mins)		
100	0.0187	0.15	4.23	8.754179983		
Shallow Concentrated						
Upstream Elev:	340.75					
Downstream Elev:	338.38					
Length	Slope	K	Tc (Mins)			
150	0.0158	16.13	1.233039808			
Channel Flow						
Length	Slope	Mannings n	Hydraulic Radius	Tc (Mins)		
0	0.005	0.013	0.3125	0		
Tc Total:				10 Mins		
Intensity2:	5.08					
Intensity10:	7.07					
Intensity25:	8.26					
Intensity100:	9.98					
Q(2):	3.70	CFS				
Q(10):	5.15	CFS				
Q(25):	6.02	CFS				
Q(100):	7.28	CFS				

Post-Development Condition						
Drainage Area:	2.43	Ac				
Weighted C:	0.59					
Time of Concentration:						
Flow Length:	453	ft				
Overland (Max 100 ft)						
Upstream Elev:	342.45					
Downstream Elev:	341.94					
Length	Slope	Mannings n	P2 (NOAA Atlas 14)	Tc (Mins)		
100	0.0051	0.013	4.23	2.08		
Shallow Concentrated						
Upstream Elev:	0					
Downstream Elev:	0					
Length	Slope	K	Tc (Mins)			
0	#DIV/0!	16.13	#DIV/0!			
Channel Flow						
Upstream Elev:	222.85					
Downstream Elev:	213.9					
Length	Slope	Mannings n	Hydraulic Radius	Tc (Mins)		
353	0.025354	0.013	0.3125	0.70004		
Tc Total:			3	Mins		
			5.00	Mins		
Intensity2:	6.37					
Intensity10:	8.84					
Intensity25:	10.30					
Intensity100:	12.40					
Q(2):	9.13	CFS				
Q(10):	12.67	CFS				
Q(25):	14.77	CFS				
Q(100):	17.78	CFS				

POST-DEV. RUNOFF COFF.				
TOTAL CATCHMENT	AREA	105,798	SQ. FT	
CONCRETE	30,850	C=	0.9	
ROOF	9,776	C=	0.75	
LANDSCAPE	51,555	C=	0.3	
POND	13,617	C=	0.9	
COM. C	0.59			

INLET SIZING CLACULATOR	
GRATE INLET (TYPE 2)	
Grate Inlets (Type A-2) are considered to function as an orifice with a discharge coefficient of 0.60. The capacity of a grate inlet is based on the following equation:	
$Q = 4.82 A_g y^{0.5}$	
where:	
Q = capacity in cubic feet per second	
A_g = clear opening area in square feet	
y = total depth of water or head on the inlet in feet.	
A=	4 sqft
y=	0.5 ft
Q=	13.6 cfs

TOTAL STORAGE REQUIED=81,446 CUFT
TOTAL STORAGE PROVIDED=1,06,076CUFT
(INCLUDING 10% EXTRA FOR SEDIMENTATION)

STORM SEWER CALCULATION FORM																							
PROJECT: 1001 W VILLA MARIA RD, BETAN, TX 77801																b	d	e	C				
DATE: MAY, 2024																86.311	10.7919	0.7141	0.65				
FOR 100YR RAINFALL FREQUENCY																							
AREA	MH OR INLET		AREA		REACH FEET	T MIN	I IN/HR	"CT"	Q CFS	GRADE %	LINE			R IN	DESIGN		FLOWLINE		FALL FT	FRICTIO	HEAD	HGL UP	HGL DOWN
	FROM	TO	INCR AC	TOTAL AC							SIZE	AREA SQFT	"N"		V FPS	QFS	UPSTREAM	DOWNSTREAM		LOSS	LOSS		
																				S _p	H _L		
A1	INLET 1	INLET 2	0.27	0.27	73	5.00	12.03	7.8195	2.09	0.50	12	0.7857	0.011	0.25	3.80	2.99	339.55	339.19	0.36	0.002471	0.1804	338.16	337.98
A2	INLET 2	INLET 3	0.25	0.52	114	23.92	6.86	4.4561	2.32	0.50	12	0.7857	0.011	0.25	3.80	2.99	339.09	338.53	0.56	0.003056	0.3484	337.98	337.63
A3	INLET 3	INLET 6	0.22	0.74	137	24.49	6.78	4.4039	3.28	1.50	12	0.7857	0.011	0.25	6.58	5.17	338.43	336.36	2.07	0.006081	0.8331	338.46	337.63
A4	INLET 4	INLET 5	0.09	0.09	88	21.54	7.21	4.6872	0.42	0.50	12	0.7857	0.011	0.25	3.80	2.99	337.50	337.06	0.44	0.000101	0.0089	337.63	337.62
A5	INLET 5	INLET 6	0.20	0.29	118	23.02	6.98	4.5400	1.30	0.50	12	0.7857	0.011	0.25	3.80	2.99	336.96	336.36	0.60	0.000954	0.1125	337.81	337.69
A6	INLET 6	OUTFALL	0.11	1.14	46	25.24	6.67	4.3386	4.96	0.50	18	1.7679	0.011	0.38	4.98	8.80	336.36	336.12	0.24	0.001599	0.0735	337.69	337.62
TAILWATER ELEV=																			337.62				

STORM SEWER CALCULATION FORM																							
PROJECT: 1001 W VILLA MARIA RD, BETAN, TX 77801																b	d	e	C				
DATE: MAY, 2024																76.3373	11.8888	0.7721	0.65				
FOR 10YR RAINFALL FREQUENCY																							
AREA	MH OR INLET		AREA		REACH FEET	T MIN	I IN/HR	"CT"	Q CFS	GRADE %	LINE		"N" VALUE	R IN	DESIGN		FLOWLINE		FALL FT	FRICTIO N	HEAD LOSS	HGL UP	HGL DOWN
	FROM	TO	INCR AC	TOTAL AC							SIZE	AREA SQFT			V FPS	Q CFS	UPSTREAM	DOWNSTREAM					
A1	INLET 1	INLET 2	0.27	0.27	73	22.93	4.92	3.2007	0.86	0.50	12	0.7857	0.011	0.25	3.80	2.99	339.55	339.19	0.36	0.000414	0.0302	336.93	336.90
A2	INLET 2	INLET 3	0.25	0.52	114	23.92	4.82	3.1322	1.63	0.50	12	0.7857	0.011	0.25	3.80	2.99	339.09	338.53	0.56	0.001510	0.1721	336.90	336.72
A3	INLET 3	INLET 6	0.22	0.74	137	24.49	4.76	3.0938	2.30	1.50	12	0.7857	0.011	0.25	6.58	5.17	338.43	336.36	2.07	0.003001	0.4112	337.14	336.72
A4	INLET 4	INLET 5	0.09	0.09	88	21.54	5.08	3.3025	0.30	0.50	12	0.7857	0.011	0.25	3.80	2.99	337.50	337.06	0.44	0.000050	0.0044	336.72	336.72
A5	INLET 5	INLET 6	0.20	0.29	118	23.02	4.91	3.1940	0.91	0.50	12	0.7857	0.011	0.25	3.80	2.99	336.96	336.36	0.60	0.000472	0.0557	336.81	336.76
A6	INLET 6	OUTFALL	0.11	1.14	46	25.24	4.69	3.0457	3.48	0.50	18	1.7679	0.011	0.38	4.98	8.80	336.36	336.12	0.24	0.000788	0.0362	336.76	336.72
TAILWATER ELEV=																				336.72			

Pond Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2025

Sunday, 05 / 4 / 2025

Pond No. 1 - Detention pond

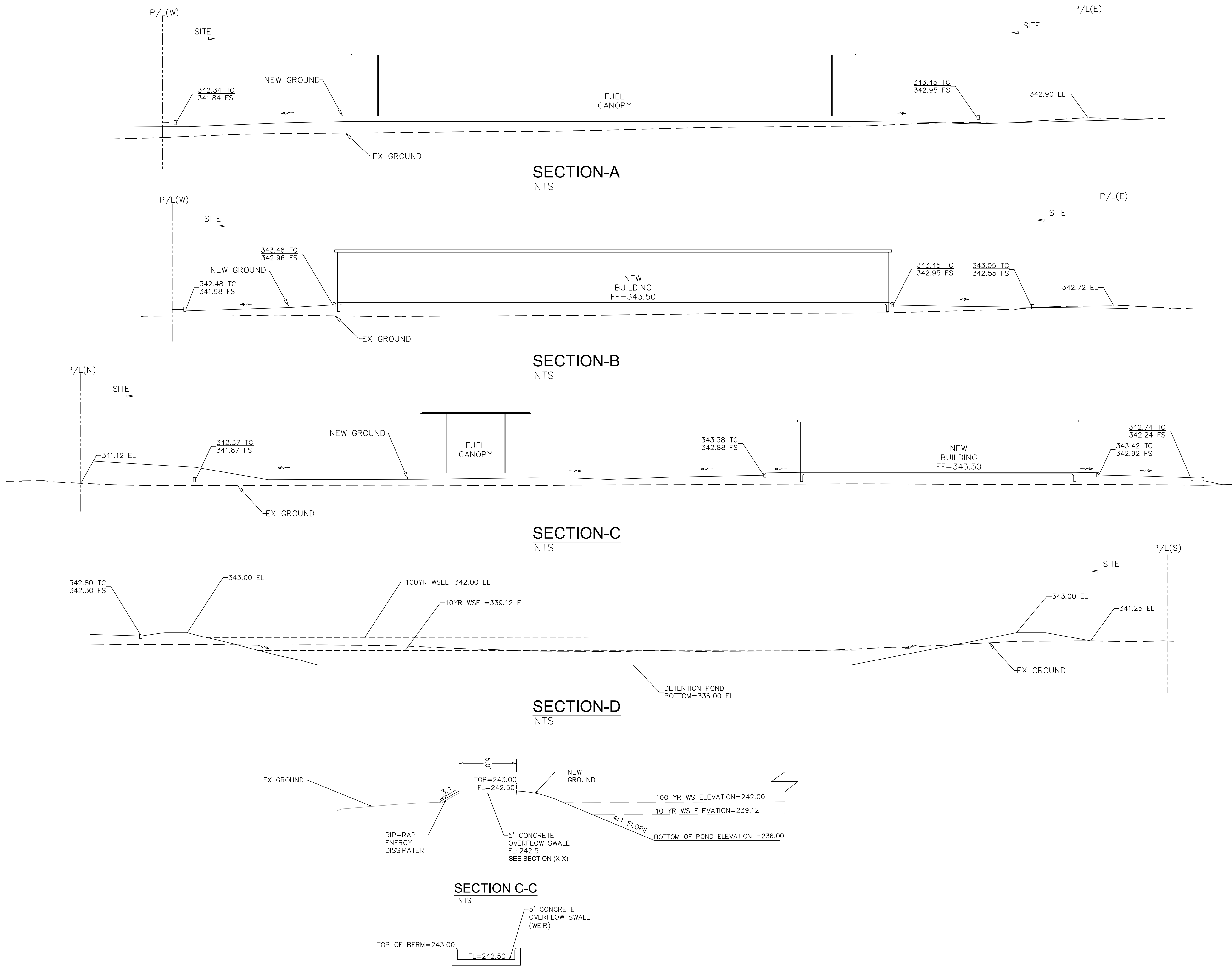
Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 336.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	336.00	8,820	0	0
1.00	337.00	10,447	9,621	9,621
2.00	338.00	12,173	11,298	20,919
3.00	339.00	14,001	13,075	33,994
4.00	340.00	15,928	14,953	48,947
5.00	341.00	17,957	16,931	65,877
6.00	342.00	20,086	19,010	84,887
7.00	343.00	22,315	21,189	1,06,076

RESTRICTOR SIZING CALCULATIONS		
Q	=	CA * (√2gh)F
D	=	Q1/2 / (2.25*h1/4)
C (COEFFICIENT OF DISCHARGE)	=	0.80
RESTRICTOR SIZING		
A = TOTAL DRAINAGE AREA	=	2.43 AC
Q1, (OUTFLOW RATE ALLOWED FOR LOW FLOW)	=	
	=	7.28 CFS
HEAD	=	Fi
	=	1.67 Fi



ISSUE FOR:
FOR INTER REVIEW ONLY
BID ONLY
PERMITS SET
CONSTRUCTION SET

REVISIONS:

NO.	DATE	DESCRIPTION



MAKMO DESIGN
86 ZENITH LANE, SUGAR LAND, TX 77498
PH # 832-231-7047 TBPE FIRM # 21236

PROPOSED C STORE & GAS STATION
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801

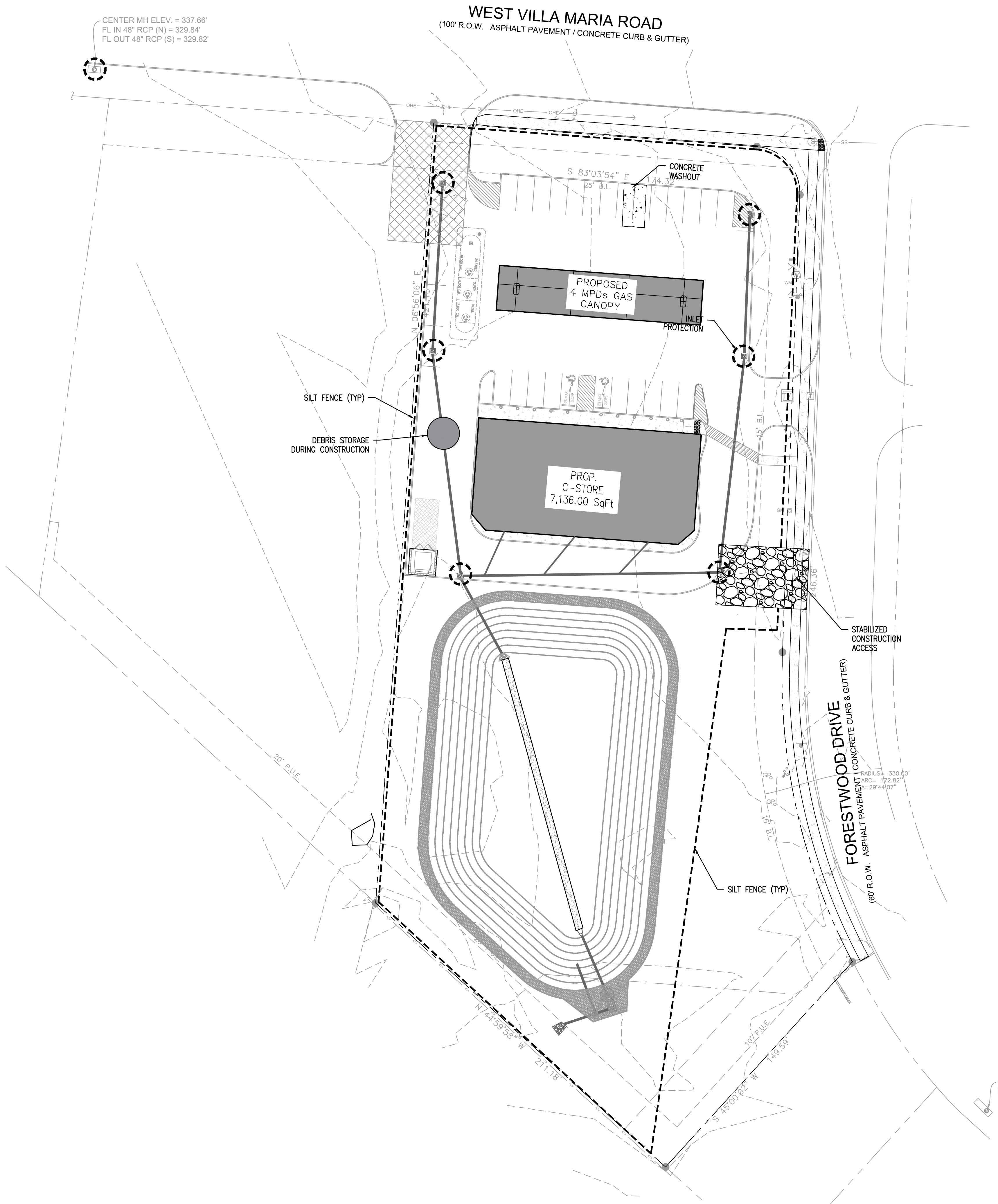
SEAL
:

DATE: 6/18/2025

PROJECT NUMBER 23-000
SCALE
DRAWN BY R.R
CHECKED BY A.Z
SHEET TITLE :

SITE
SECTIONS

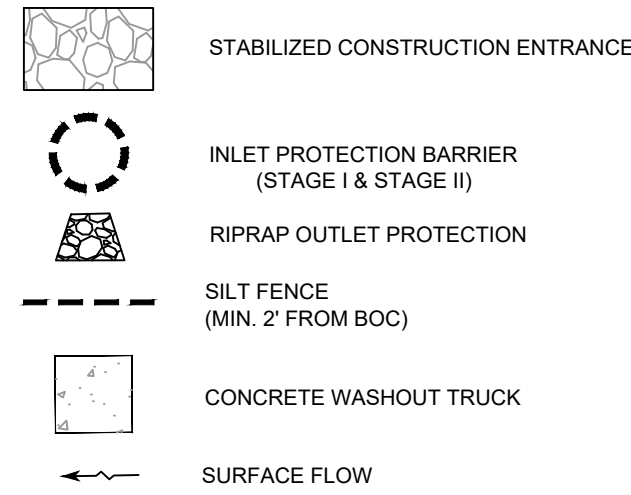
DRAWING NUMBER:
C-2.3



GENERAL NOTES

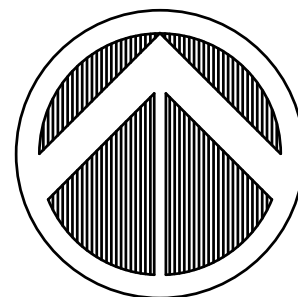
1. LOCATIONS OF THE EXISTING UTILITIES ARE BASED ON RECORDS FROM SAID UTILITY COMPANIES AND ARE HORIZONTALLY FIELD LOCATED ONLY. THE CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL LOCATION.
2. CONTRACTOR TO UNCOVER AND MARK UTILITY LINES BEFORE CONSTRUCTION.
3. CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COST OF REPAIR OR REPLACEMENT OF EXISTING UTILITIES, DAMAGED OR INTERRUPTED AS A RESULT OF THIS CONSTRUCTION PROJECT.
4. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE OWNER OF ANY DAMAGED OR INTERRUPTED UTILITIES IMMEDIATELY.
5. ALL WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL WATER STANDARD PIPELINE MATERIALS AND CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
6. EXISTING UTILITIES TO REMAIN ARE TO BE ADJUSTED TO MATCH PROPOSED GRADE.
7. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER PRIOR TO BEGINNING WORK.
8. ALL AREAS WITHIN THE PAVED AREAS ARE TO RECEIVE A GRAVEL BASE TO PROVIDE EROSION CONTROL. IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER, A RATE OF 1.5 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
9. ALL AREAS NOT WITHIN THE PAVED AREA ARE TO RECEIVE LOOSE STRAW TO PROVIDE EROSION CONTROL. IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER, A RATE OF 1.5 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
10. AFTER NEW INLETS ARE CONSTRUCTED, INSTALL INLET PROTECTION PER DETAIL.
11. CONTRACTOR WILL CONTROL AND PREVENT OFF-SITE TRACKING OF CONSTRUCTION RUNOFF AND SEDIMENT TO ADJACENT PROPERTY AND PUBLIC ROADS.
12. CONTRACTOR IS TO PROTECT EXISTING STORM DRAINAGE SYSTEM.
13. CONTRACTOR TO CONFORM TO ALL CONSTRUCTION STORM WATER AND EROSION CONTROL PERMITTING REQUIREMENTS BY "EPA PHASE II STORM WATER REGULATIONS" AS ADMINISTERED BY THE TEXAS COMMISSION OF ENVIRONMENTAL QUALITY. WHERE PERMITTING IS REQUIRED, A COPY OF THE NOTICE OF INTENT AND CONSTRUCTION SITE NOTICE(S) SHALL BE PROVIDED TO THE LOCAL MUNICIPAL AUTHORITY. CONTRACTOR SHALL POST THE CONSTRUCTION SITE NOTICE(S) IN ACCORDANCE WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY REQUIREMENTS.
14. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES IN ACCORDANCE WITH THE TEXAS UNDERGROUND FACILITIES DAMAGE PREVENTION ACT. THIS LAW REQUIRES THAT THE CONTRACTOR MAKE A TELEPHONE CALL TO THE TEXAS ONE-CALL SYSTEM AT 1-800-344-8377 (811) AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION TO ENSURE THAT ANY EXISTING UTILITIES CAN BE LOCATED.
15. CONTRACTOR TO CONSTRUCT ALL ACCESS RAMPS AND PAVING TO ADA STANDARDS. VERIFY.
16. TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
17. EXCESS EXPORTS SHALL BE STOCKPILED AT LOCATION APPROVED BY OWNER AND CONFIRMED BY ENGINEER OF RECORD.

EROSION CONTROL LEGEND



EROSION CONTROL NOTES

1. ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE A MINIMUM OF 4-INCHES OF TOPSOIL AND 2-INCHES OF COMPOST (FOR A TOTAL OF 6-INCHES) AND 500 OR SEED (AS INDICATED). THESE AREAS SHALL BE WATERED BY THE CONTRACTOR UNTIL THE 500 OR SEED IS GROWING IN A HEALTHY MANNER. SEE LANDSCAPE PLANS FOR MORE REQUIREMENTS.
2. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASE OF THE PROJECT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES TO ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASE OF THE PROJECT.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGMEN AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. THESE DEVICES AND THEIR PLACEMENT SHALL BE APPROVED BY THE OWNER PRIOR TO PLACEMENT.
4. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
5. THE DUTY OF THE OWNER (OR OWNERS REPRESENTATIVE) TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, OR NEAR THE CONSTRUCTION SITE.
6. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL A TEMPORARY ROCK ENTRANCE PAD AT ALL POINTS OF VEHICLE EXIT FROM THE SITE. SAID ROCK ENTRANCE PADS SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT.
7. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE ESTABLISHED AROUND THE ENTIRE SITE PERIMETER AND IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES AND THE PROJECT DETAILS.
8. EROSION CONTROL MEASURES SHALL BE IMMEDIATELY ESTABLISHED UPON COMPLETION OF CLEARING AND GRUBBING.
9. THE INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES IS AS FOLLOWS:
 - a. INSTALL SILT FENCE AROUND THE PERIMETER OF THE SITE, AND THE ROCK CONSTRUCTION ENTRANCE(S).
 - b. INSTALL SILT FENCE AND INLET PROTECTION AROUND, AND WITHIN, ALL STRUCTURES.
 - c. CLEAR AND GRUB.
 - d. SURFACE FEATURE REMOVALS.
 - e. ROUGH GRADING OF THE SITE.
 - f. STABILIZE DENuded AREAS AND STOCKPILES.
 - g. FINE GRADING OF THE SITE.
 - h. INSTALL TOPSOIL, COMPOST AND SEED.
 - i. REMOVE ACCUMULATED SEDIMENT FROM STRUCTURES.
 - j. WHEN ALL CONSTRUCTION ACTIVITIES ARE COMPLETE AND THE SITE IS STABILIZED, REMOVE SILT FENCE AND RESEED ANY AREAS DISTURBED BY THE REMOVAL WITHIN 30-DAYS OF FINAL STABILIZATION.
10. THE LOCATION OF THE AREAS NOT TO BE DISTURBED MUST BE IDENTIFIED WITH FLAGS, STAKES, SIGNS, SILT FENCE, ETC. BEFORE CONSTRUCTION BEGINS.
11. ALL STORM DRAINING AND INLETS MUST BE PROTECTED UNTIL ALL SOURCES OF POTENTIAL DISCHARGE ARE STABILIZED.
12. SOLID WASTE MUST BE DISPOSED OF PROPERLY AND COMPLY WITH THE GOVERNING AGENCY'S DISPOSAL REQUIREMENTS.
13. EXTERNAL WASHING OF CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. THE AREA MUST BE IN A CONTAINED LOCATION WITH A LINER, WASHOUT TO BE REMOVED AND PROPERLY DISPOSED OF FOLLOWING ALL APPLICABLE REGULATIONS. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT BE ALLOWED TO WASH OFF FRESH CONCRETE IN THE STREET OR IN ANY AREA WHERE THE WASHOUT MATERIAL WILL ENTER A WETLAND OR DRAINAGEWAY. CONCRETE WASHOUT WATER SHALL NOT BE DISCHARGED INTO WATER/STORM SYSTEMS.
14. NO ENGINE DEGREASING IS ALLOWED ON SITE.
15. SILT FENCE REQUIRED MAINTENANCE SHALL BE AS FOLLOWS: "WHEN SEDIMENT REACHES 1/3 THE HEIGHT OF THE SILT FENCE FABRIC, THE SEDIMENT MUST BE REMOVED WITHIN 24-HOURS. "REPAIR OR REPLACE DYSFUNCTIONAL SILT FENCE WITHIN 24-HOURS."
16. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL PERMITS FROM AUTHORITIES AND REGULATORY AGENCIES HAVING JURISDICTION OVER THIS SITE, AS REQUIRED, PRIOR TO BEGINNING WORK.
17. AFTER CONSTRUCTION BEGINS, SOIL SURFACE STABILIZATION SHALL BE APPLIED WITHIN 7-DAYS TO ALL DISTURBED AREAS THAT MAY NOT BE AT FINAL GRADE, BUT WILL REMAIN UNDISTURBED FOR PERIODS LONGER THAN AN ADDITIONAL 21 CALENDAR DAYS.
18. WITHIN 7-DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE, PERMANENT OR TEMPORARY SOIL SURFACE STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS AND SOIL STOCKPILES.
19. ALL DISTURBED GROUND LEFT INACTIVE FOR 7 DAYS OR MORE MUST BE STABILIZED BY SEEDING, SODDING OR MULCHING. TYPE OF SLOPE DAYS TO STABILIZE STEEPER THAN 3:1 7 DAYS 10:1 TO 3:1 7 DAYS FLATTER THAN 10:1 7 DAYS.
20. WHEN STABILIZATION MEASURES ARE STOPPED DUE TO SNOW COVER OR ARID CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE. SOIL STABILIZATION MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO SURFACE ROUGHENING, TEMPORARY OR PERMANENT VEGETATION, MULCHING, SODDING, LANDSCAPING AND EROSION CONTROL BLANKETS.
21. STABILIZATION MEASURES TO BE USED SHALL BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS AND ESTIMATED DURATION OF USE.
22. EXISTING TURF OUTSIDE OF THE CONSTRUCTION LIMITS SHALL NOT BE DISTURBED. ANY TURF SHALL BE RE-ESTABLISHED.
23. ALL STREETS AND PARKING LOTS ADJACENT TO THE SITE SHALL BE CLEANED AND/OR SWEEPED AT THE END OF EACH WORKING DAY.
24. WHEN STABILIZATION MEASURES ARE STOPPED DUE TO SNOW COVER, STABILIZATION MEASURES SHALL BE RE-INITIATED AS SOON AS POSSIBLE. STABILIZATION MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO TEMPORARY OR PERMANENT VEGETATION, MULCHING, SODDING, LANDSCAPING AND EROSION CONTROL BLANKETS.
25. TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING THE CONSTRUCTION PHASE AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
26. EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL PERMANENT REVEGETATION IS ESTABLISHED.
27. CONTRACTOR TO LOCATE A CONCRETE WASHOUT AREA ON THE PROJECT SITE PRIOR TO BEGINNING WORK.



ISSUE FOR:
FOR INTER REVIEW ONLY
BID ONLY
PERMITS SET
CONSTRUCTION SET

REVISIONS:

NO.	DATE	DESCRIPTION



PROPOSED C STORE & GAS STATION
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801

SEAL

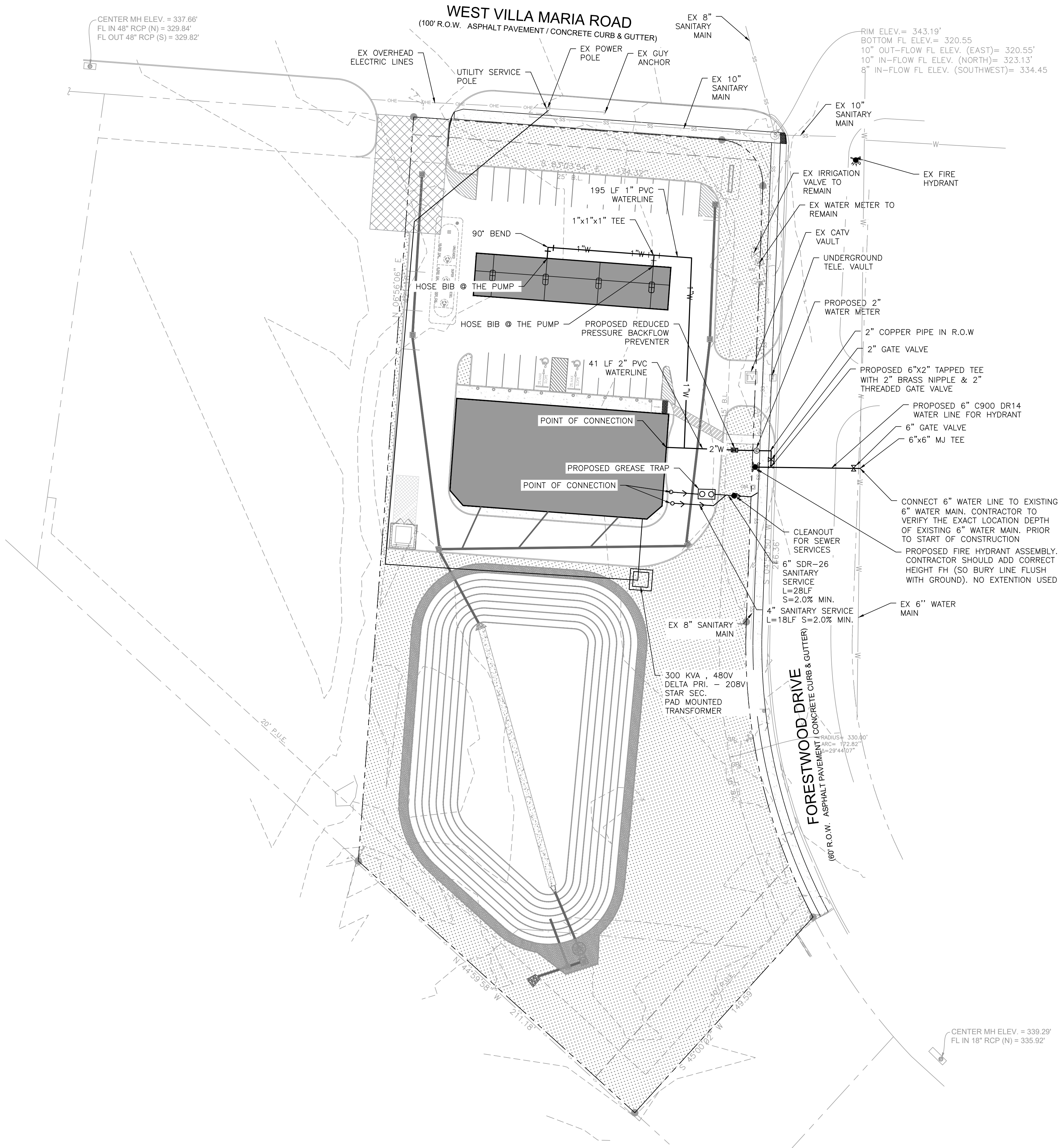
DATE: 6/18/2025

PROJECT NUMBER 23-000
SCALE 1" = 30'
DRAWN BY R.R
CHECKED BY A.Z
SHEET TITLE :

ESC
PLAN

DRAWING NUMBER:

C-3.0

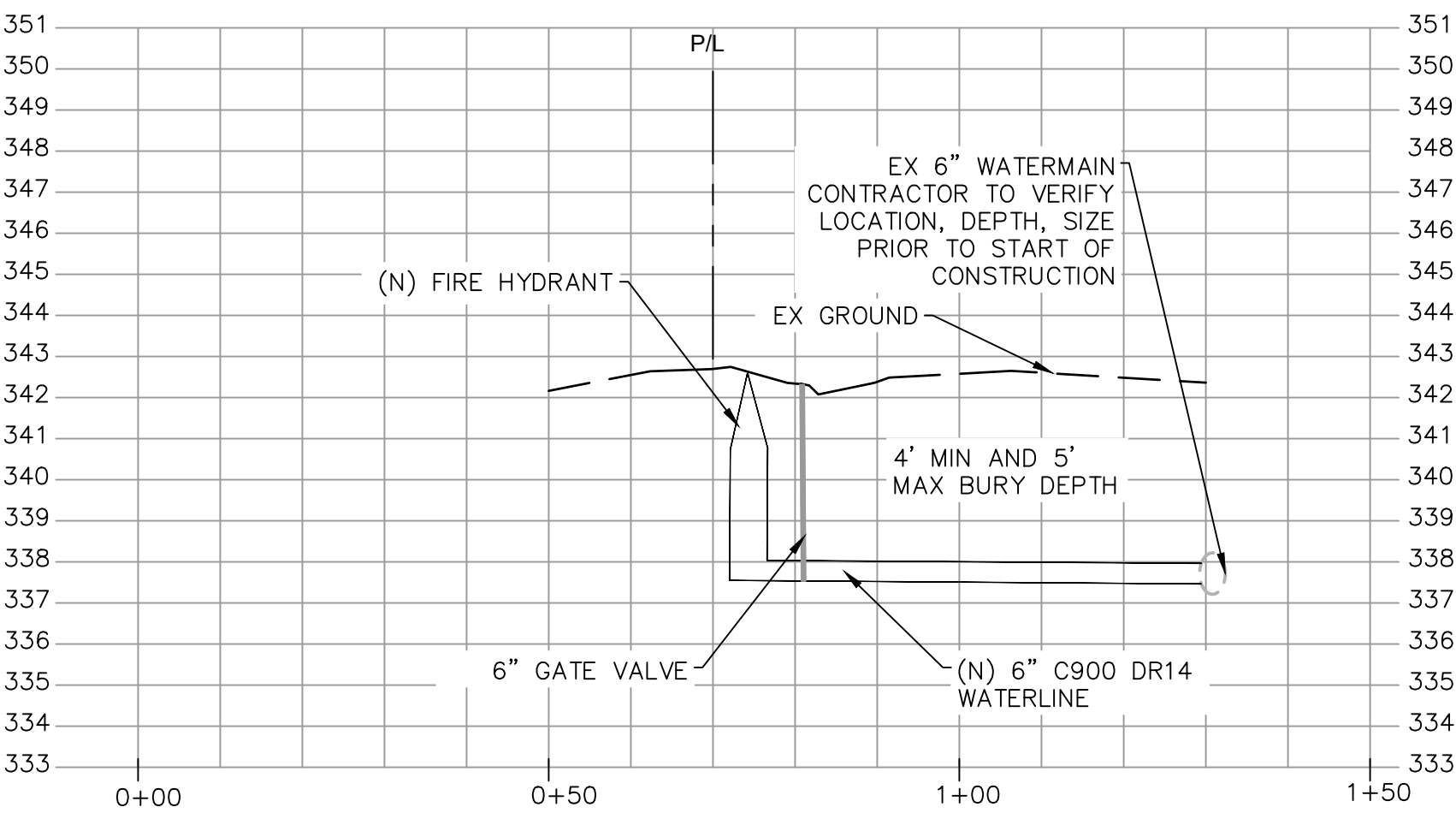


- BTU-ELECTRICAL NOTES:
- WHERE ELECTRIC FACILITIES ARE INSTALLED, BTU HAS THE RIGHT TO INSTALL, OPERATE, RELOCATE, CONSTRUCT, RECONSTRUCT, ADD TO, MAINTAIN, INSPECT, PATROL, ENLARGE, REPAIR, REMOVE AND REPLACE SAID FACILITIES UPON, OVER, UNDER, AND ACROSS THE PROPERTY INCLUDED IN THE PUE, AND THE RIGHT OF INGRESS AND EGRESS ON PROPERTY ADJACENT TO THE PUE TO ACCESS ELECTRIC FACILITIES.
 - CONTACT BTU LINE DESIGN AT 821-5770 120 DAYS BEFORE POWER IS NEEDED TO BEGIN THE PROCESS OF OBTAINING POWER TO THE SITE. PLEASE PROVIDE A DETAILED LOAD ANALYSIS, AS WELL AS THE SERVICE REQUIREMENTS (VOLTAGE, AMPS, SINGLE PHASE VS THREE PHASE) AT THIS TIME

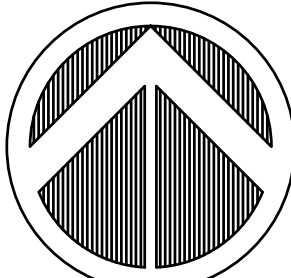
- GENERAL NOTES
- LOCATIONS OF THE EXISTING UTILITIES ARE BASED ON RECORDS FROM SAID UTILITY COMPANIES AND ARE HORIZONTALLY FIELD LOCATED ONLY. THE CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL LOCATION.
 - CONTRACTOR TO UNCOVER AND MARK UTILITY LINES BEFORE CONSTRUCTION.
 - CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COST OF REPAIR OR REPLACEMENT OF EXISTING UTILITIES, DAMAGED OR INTERRUPTED AS A RESULT OF THIS CONSTRUCTION PROJECT.
 - CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE OWNER OF ANY DAMAGED OR INTERRUPTED UTILITIES IMMEDIATELY.
 - ALL WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL WATER STANDARD PIPELINE MATERIALS AND CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
 - EXISTING UTILITIES TO REMAIN ARE TO BE ADJUSTED TO MATCH PROPOSED GRADE.
 - CONTRACTOR SHALL NOTIFY PROJECT ENGINEER AND CITY OF BRYAN PUBLIC WORKS (979-209-5900) OPERATOR PRIOR TO BEGINNING WORK.
 - ALL AREAS WITHIN THE PAVED AREAS ARE TO RECEIVE A GRAVEL BASE TO PROVIDE EROSION CONTROL IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER. A RATE OF 1.5 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
 - ALL AREAS NOT WITHIN THE PAVED AREA ARE TO RECEIVE LOOSE STRAW TO PROVIDE EROSION CONTROL IF WORK IS NOT PROGRESSING IN AN ORDERLY MANNER. A RATE OF 1.5 TONS/ACRE IS TO BE APPLIED WITHIN TWO WEEKS OF FINAL GRADING.
 - AFTER NEW INLETS ARE CONSTRUCTED, INSTALL INLET PROTECTION PER DETAIL.
 - CONTRACTOR WILL CONTROL AND PREVENT OFF-SITE TRACKING OF CONSTRUCTION RUNOFF AND SEDIMENT TO ADJACENT PROPERTY AND PUBLIC ROADS.
 - CONTRACTOR IS TO PROTECT EXISTING STORM DRAINAGE SYSTEM.
 - CONTRACTOR TO CONFORM TO ALL CONSTRUCTION STORM WATER AND EROSION CONTROL PERMITTING REQUIREMENTS BY "EPA PHASE II STORM WATER REGULATIONS" AS ADMINISTERED BY THE TEXAS COMMISSION OF ENVIRONMENTAL QUALITY. WHERE PERMITTING IS REQUIRED, A COPY OF THE NOTICE OF INTENT SHALL BE PROVIDED TO THE LOCAL MUNICIPAL AUTHORITY.
 - CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES IN ACCORDANCE WITH THE TEXAS UNDERGROUND FACILITIES DAMAGE PREVENTION ACT. THIS LAW REQUIRES THAT THE CONTRACTOR MAKE A TELEPHONE CALL TO THE CITY OF BRYAN PUBLIC WORKS (979-209-5900) AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION TO ENSURE THAT ANY EXISTING UTILITIES CAN BE LOCATED.
 - CONTRACTOR TO CONSTRUCT ALL ACCESS RAMPS AND PAVING TO ADA STANDARDS. VERIFY.
 - TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
 - EXCESS EXPORTS SHALL BE STOCKPILED AT LOCATION APPROVED BY OWNER AND CONFIRMED BY ENGINEER OF RECORD.

- SEWER NOTES:
- SANITARY SEWER PIPE TO BE SDR-25 (PVC) UNLESS OTHERWISE NOTED.
 - ALL SEWERS SHALL HAVE CLASS A BEDDING IN ACCORDANCE WITH CITY OF BRYAN.
 - ALL SANITARY SEWERS CROSSING ABOVE OR BELOW WATERLINES WITH 6 INCHES TO 9 FEET CLEARANCE SHALL HAVE A 20" JOINT OF 150 PSI AWWA C-900 SDR-18 P.V.C. SANITARY SEWER PIPE CENTERED ON WATERLINE, EXCEPT WHERE DUCTILE IRON PIPE IS USED.
 - SANITARY SEWER MANHOLE RIMS OUTSIDE OF PROPOSED PAVING WILL BE SET 3'-6" ABOVE THE SURROUNDING LEVEL FINISHED GRADE AFTER PAVING WITH SLOPED BACKFILL ADDED FOR STORM WATER DRAINAGE AWAY FROM MANHOLE RIM.
 - PRIVATE SANITARY SEWERS ARE TO BE PRIVATELY OWNED, OPERATED AND MAINTAINED BY SERVICED PROPERTY OWNER.

- WATER NOTES:
- WATER MAIN/METER CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF BRYAN FOR WATER MAIN CONSTRUCTION AND MATERIALS AND SPECIFICATION FOR WATER TAPS AND SERVICE LINES 3/4" THROUGH 2", AND FOR LARGE METERS AND SPRINKLER CONNECTIONS WITH LATEST ADDENDA AND AMENDMENTS THERETO.
 - 11/2" THRU 3" WATER MAIN SHALL BE SCH. 40 PVC PIPE IN PROPERTY & COPPER PIPE IN PUBLIC ROW.
 - ALL WATER MAINS SHALL HAVE 6" OF BANK SAND ENVELOPE AND SHALL BE BACKFILLED TO A MINIMUM COMPACTED DEPTH OF 6" OVER THE TOP OF THE PIPE TO PROVIDE A COMPACTED ENCASMENT.
 - CONTRACTOR SHALL PROVIDE FOR A MINIMUM HORIZONTAL CLEARANCE OF 9' (NINE FEET) AND MINIMUM 2' (TWO FEET) BETWEEN OUTSIDE OF WATERLINES AND OUTSIDE EDGE OF SANITARY SEWER MANHOLES OR LINES.
 - CONTRACTOR SHALL PROVIDE ADEQUATE THRUST BLOCKING TO WITHSTAND TEST PRESSURE SPECIFIED IN SPECIFICATION FOR WATER MAIN CONSTRUCTION AND MATERIALS WITH LATEST ADDENDA AND AMENDMENTS THERETO.
 - ALL WATERLINES TO BE DISINFECTED IN CONFORMANCE WITH AWWA C-651
 - BACKFLOW PREVENTION DEVICE MUST BE INSTALLED ON IRRIGATION WATER METER. CONTRACTOR SHALL INSTALL DEVICE APPROVED FOR USE BY CITY OF BRYAN.



WATERLINE PROFILE
SCALE: 1"=20' HORIZONTAL
1"=5' VERTICAL

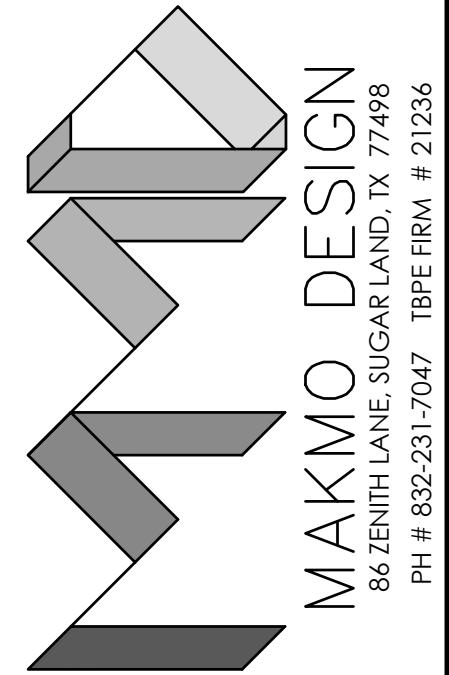


NORTH



ISSUE FOR:
FOR INTER REVIEW ONLY
BID ONLY
PERMITS SET
CONSTRUCTION SET

REVISIONS:		
NO.	DATE	DESCRIPTION



PROPOSED C STORE & GAS STATION
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801

SEAL

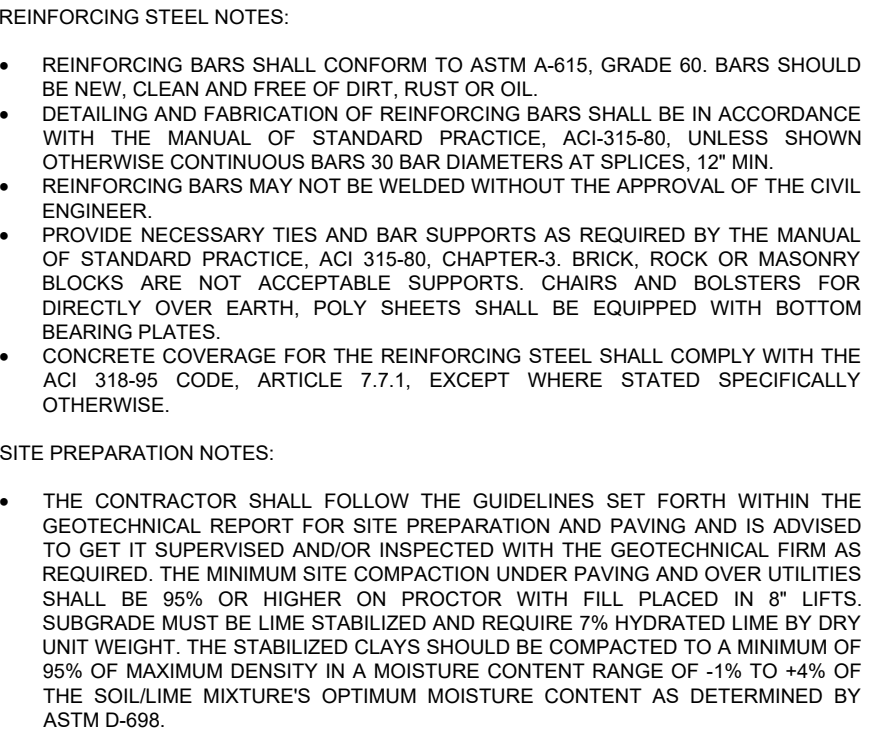
DATE: 6/18/2025

PROJECT NUMBER 23-000
SCALE 1" = 30'
DRAWN BY R.R
CHECKED BY A.Z
SHEET TITLE :

UTILITY
PLAN

DRAWING NUMBER:

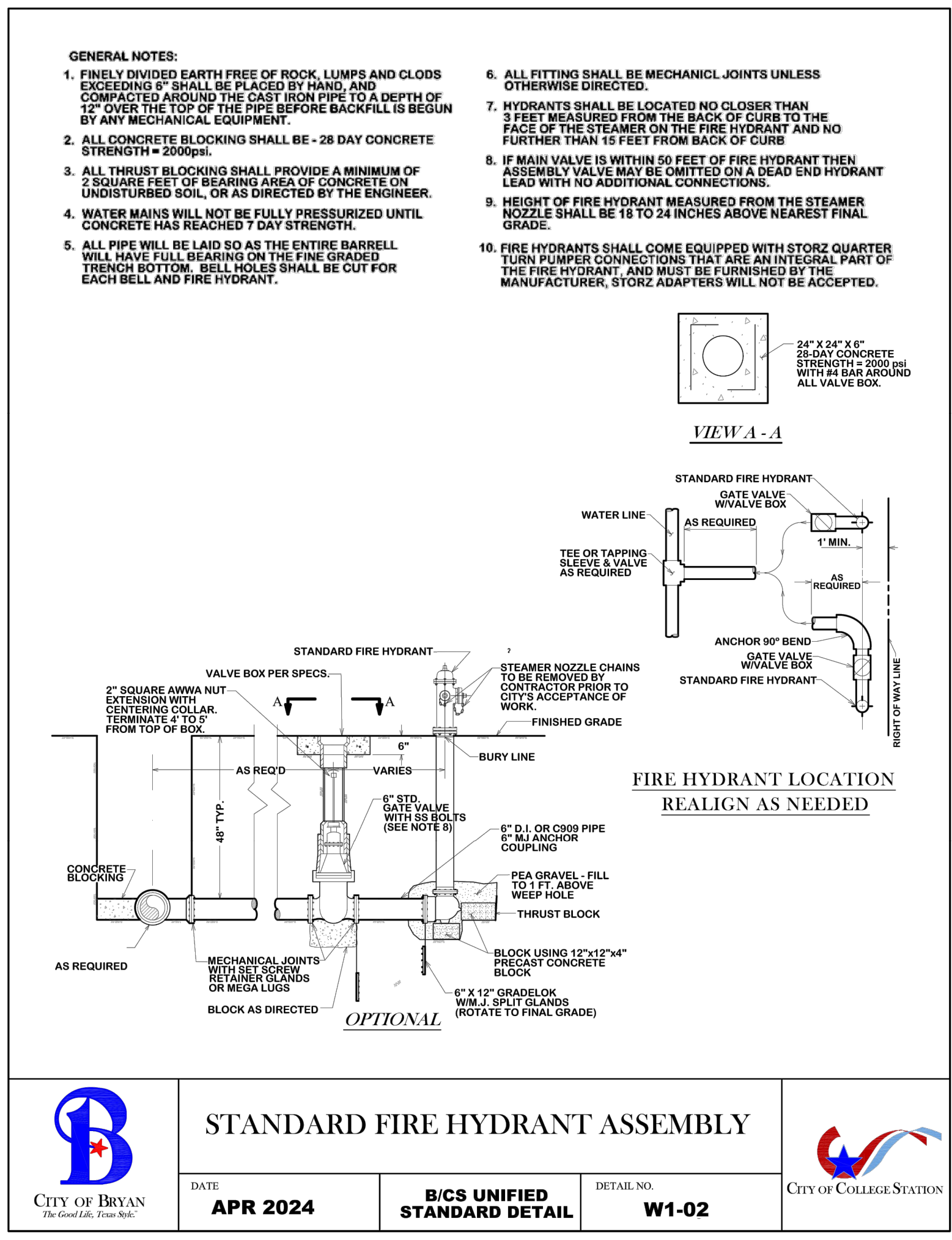
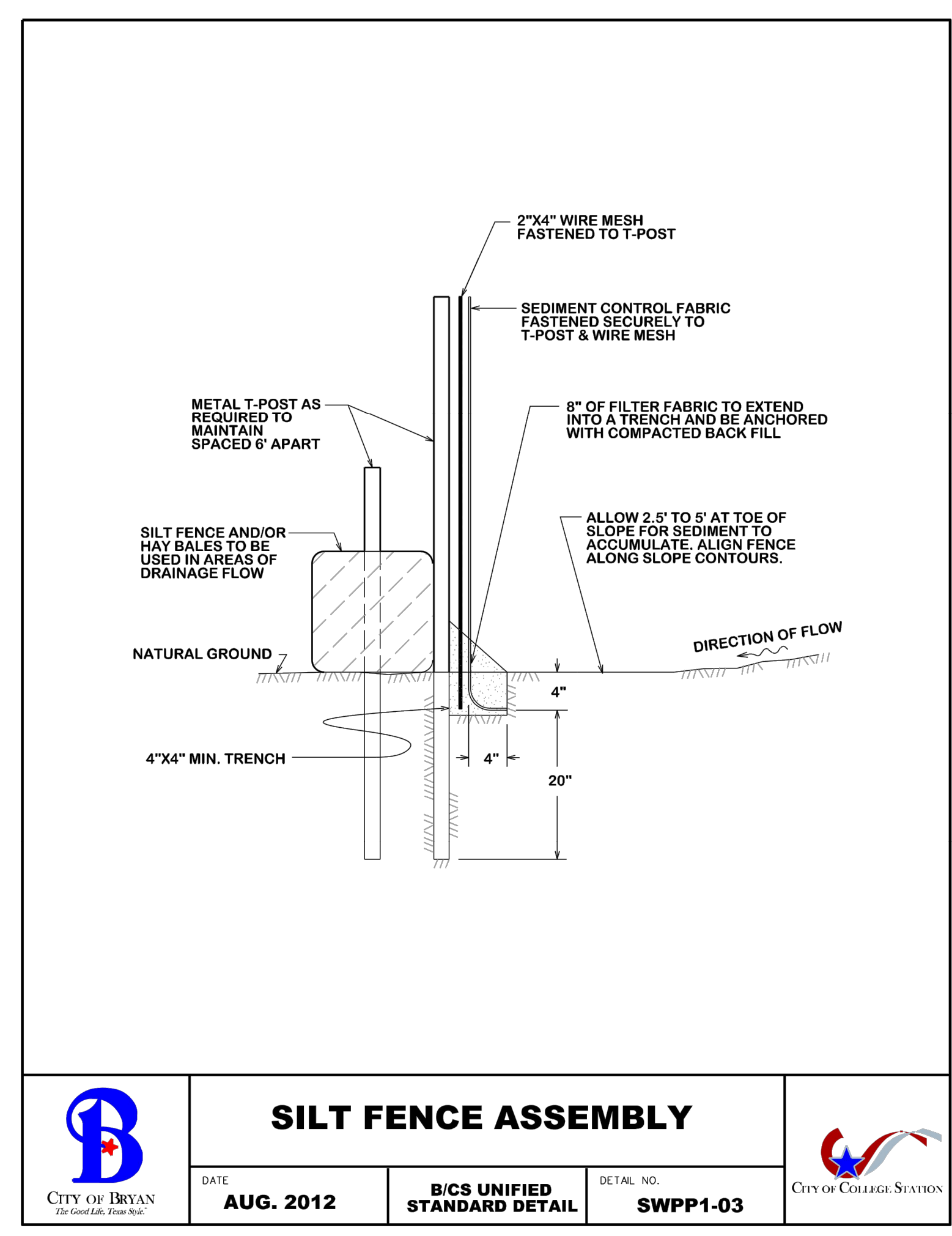
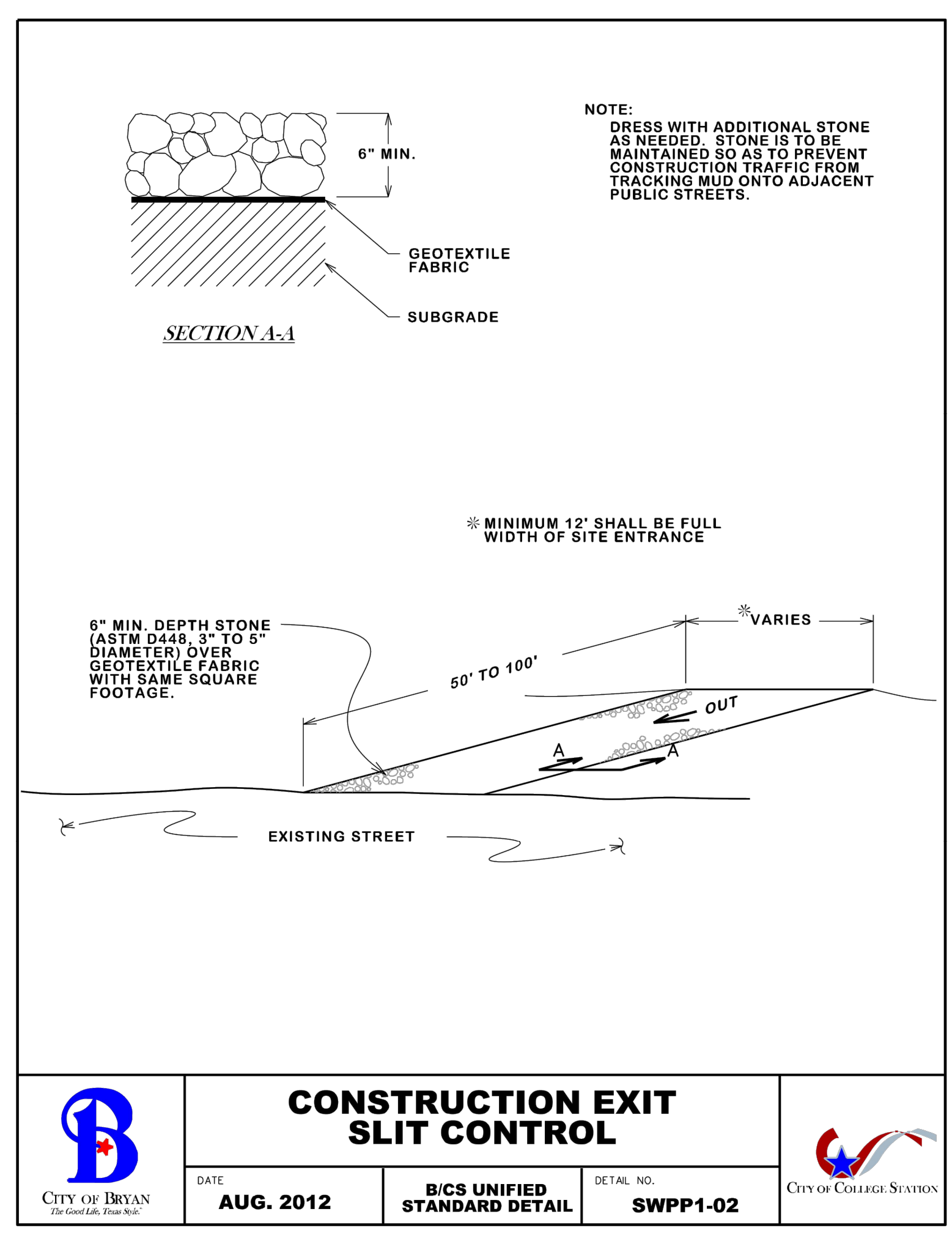
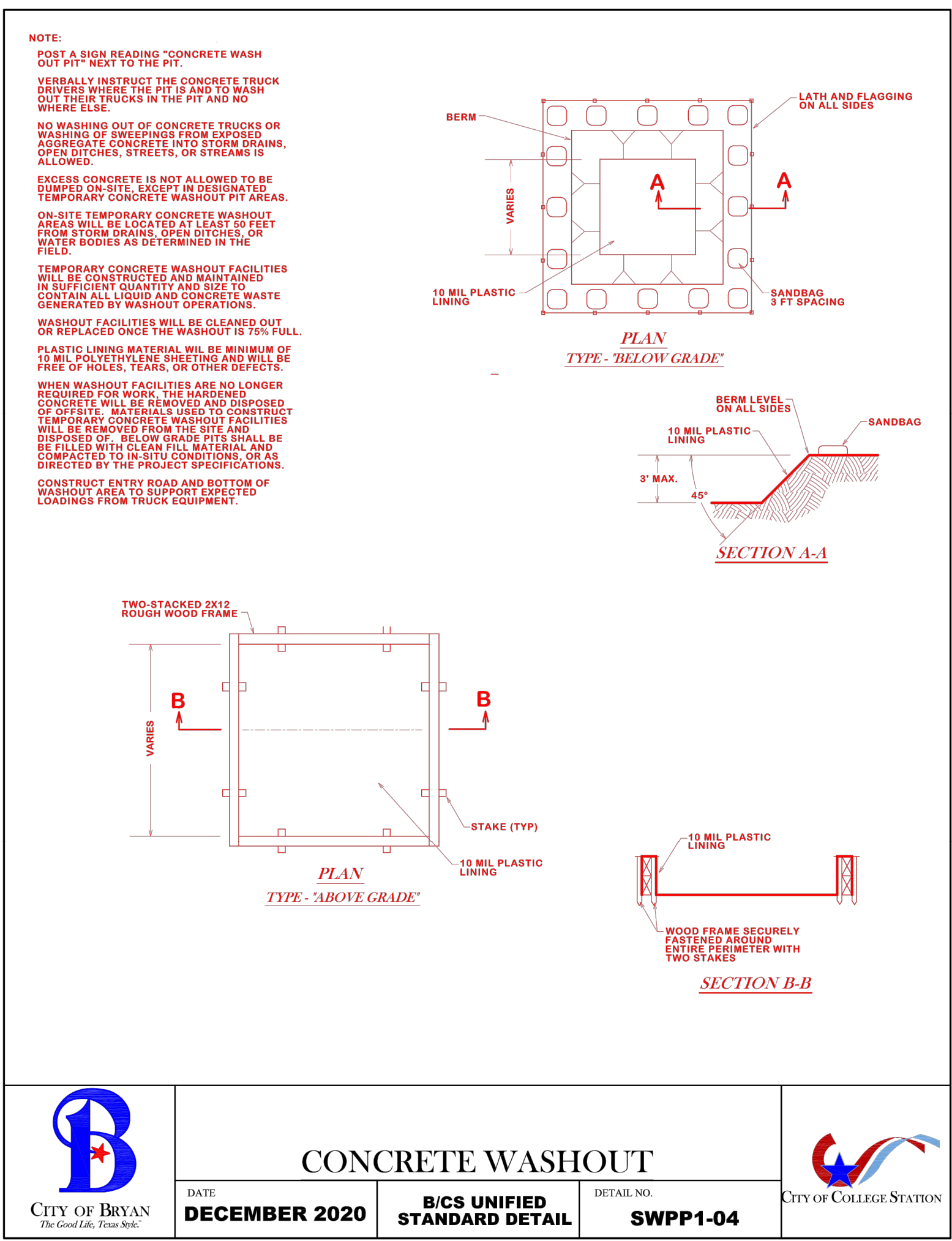
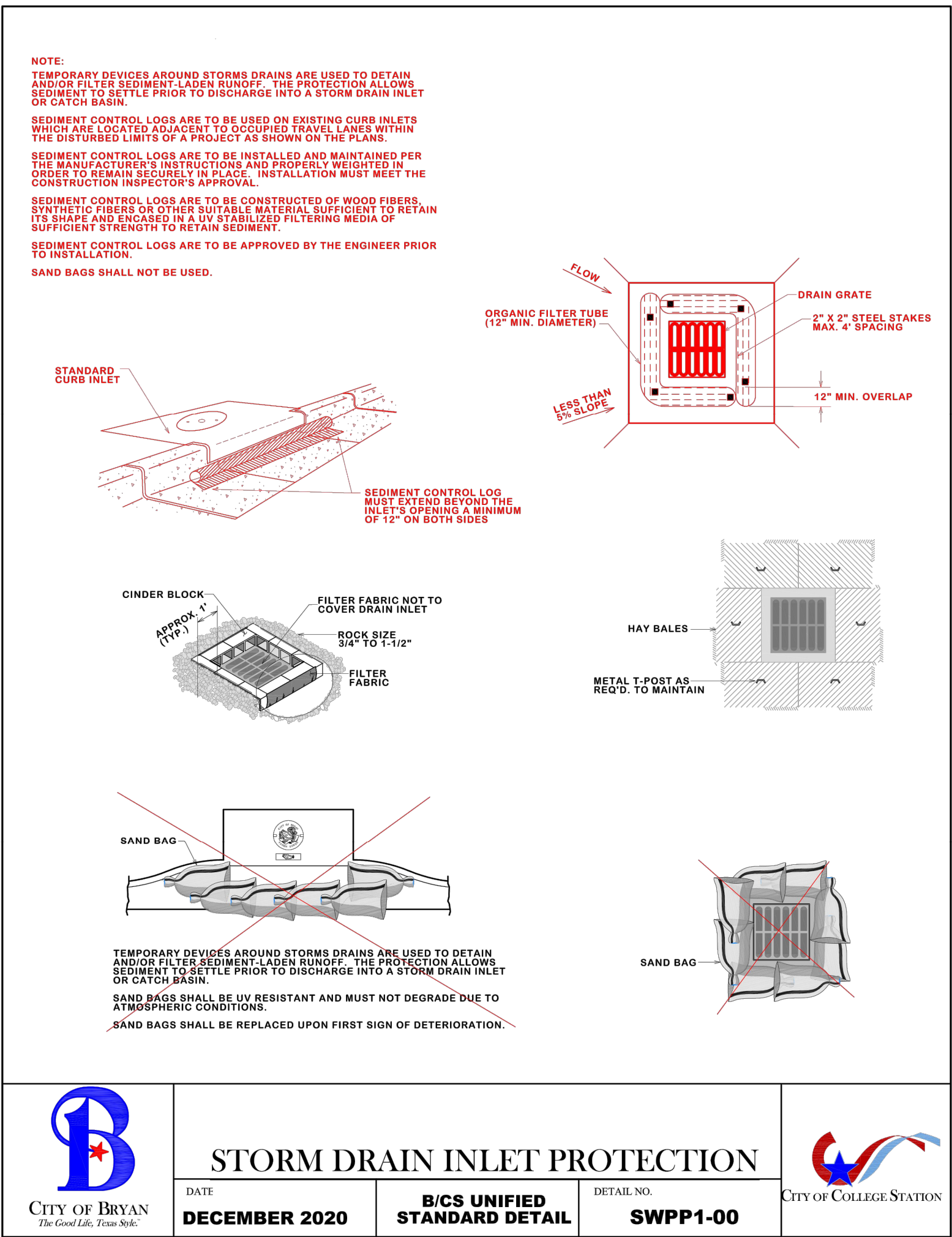
C-4.0



**PAVING
PLAN**

DRAWING NUMBER:

C-5.0



ISSUE FOR:
FOR INTER REVIEW ONLY
BID ONLY
PERMITS SET
CONSTRUCTION SET

REVISIONS:

NO.	DATE	DESCRIPTION

MAKMO DESIGN
86 ZENITH LANE, SUGAR LAND, TX 77498
PH # 832-231-7047 TBP# FRM # 21236

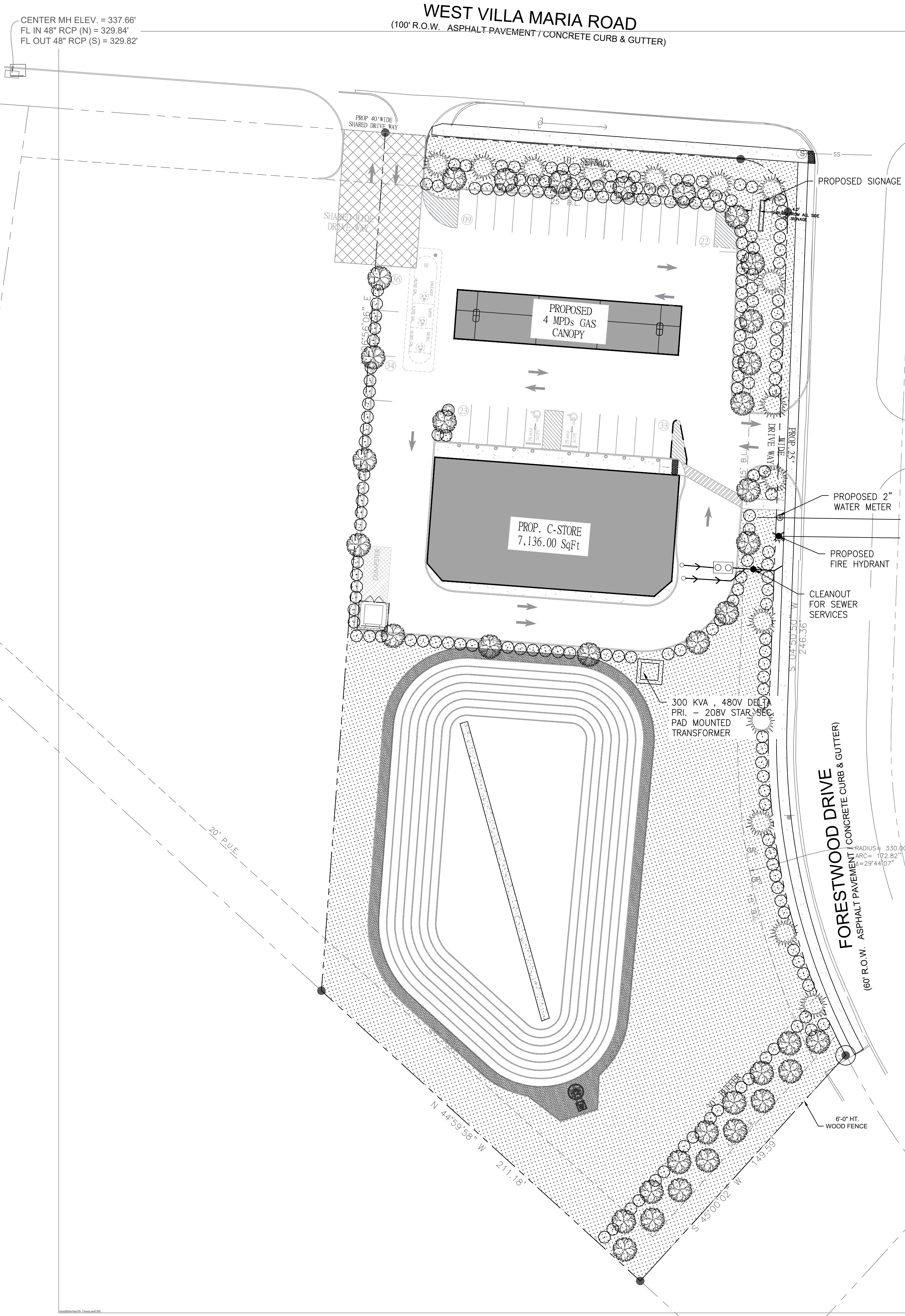
PROPOSED C STORE & GAS STATION
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801

SEAL
DATE: 6/18/2025

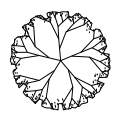
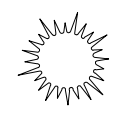

PROJECT NUMBER 23-000
SCALE
DRAWN BY R.R
CHECKED BY A.Z
SHEET TITLE :

SWPPP DETAILS

DRAWING NUMBER:
C-6.2



LANDSCAPING

SYMBOL	SIZE	OFFICIAL NAME	#	SF VALUE	TOTAL
	2" CALIPER	LIVE OAK QUERCUS VIRGINIANA CANOPY TREE	33	200	6,600
	2" CALIPER	DYNAMITE CREPE MYRTLE LAGERSTROEMIA INDICA (DYNAMITE) NON-CANOPY TREE	14	150	2,100
	5 GAL. 2'-0" o.c.	KNOCK-OUT ROSE (ROSE RADRAZZ) SHRUB	140	10	1,400

NOTE:

- LANDSCAPING USED TO SCREEN PARKING LOTS MUST BE DENSE SHRUBBERY HAVING YEAR-ROUND FOLIAGE.
- THE LANDSCAPING SCREENING SHALL FOLLOW THE PATTERN REQUIRED IN THE ORDINANCE.

LANDSCAPE ANALYSIS:

1-CONSTRUCTION ACTIVITIES:
PARKING & PAVEMENT = 33,490 SF
BUILDINGS = 7,136 SF
NET TOTAL = 40,626 SF

2- REQUIREMENTS:
BUILDING, PARKING, & PAVEMENT
40,626 SF @ 17% = 6,906 SF
NET TOTAL = 6,906 SF
NOT LESS THAN 50% OF REQUIRED AREA SHALL BE TREES--3,453 SF REQ'D;
5,700 PROVIDED
NOT LESS THAN 50% OF TREE PLANTED SHALL BE CANOPY; 1,727 SF REQ'D;
3,400 PROVIDED

3- PROVIDED :
CANOPY TRESS
18 @ 200 SF = 3600 SF
NON-CANOPY TRESS
14 @ 150 SF = 2100 SF
SHRUB 140 @ 10 SF = 1,400 SF
NET TOTAL = 7,100 SF

TOTAL AREA REQUIRED: 6,906 SF
LANDSCAPED AREA PROVIDED: 7,100 SF

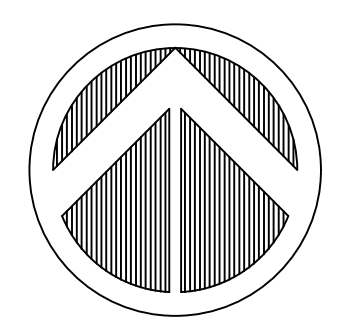
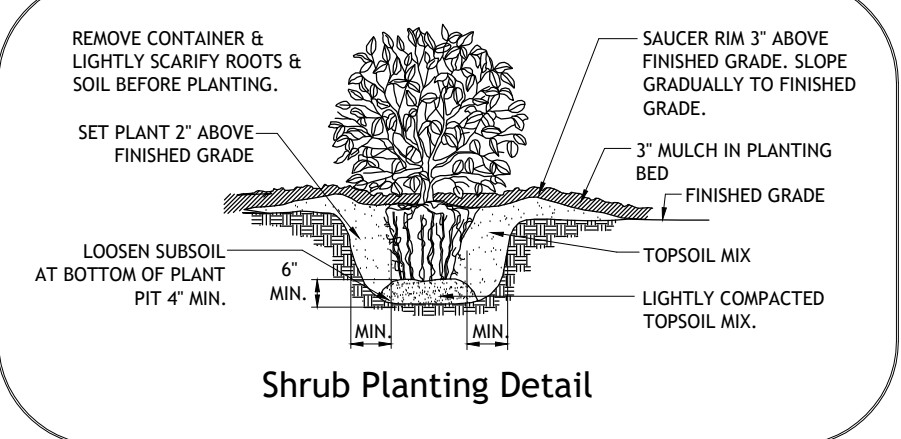
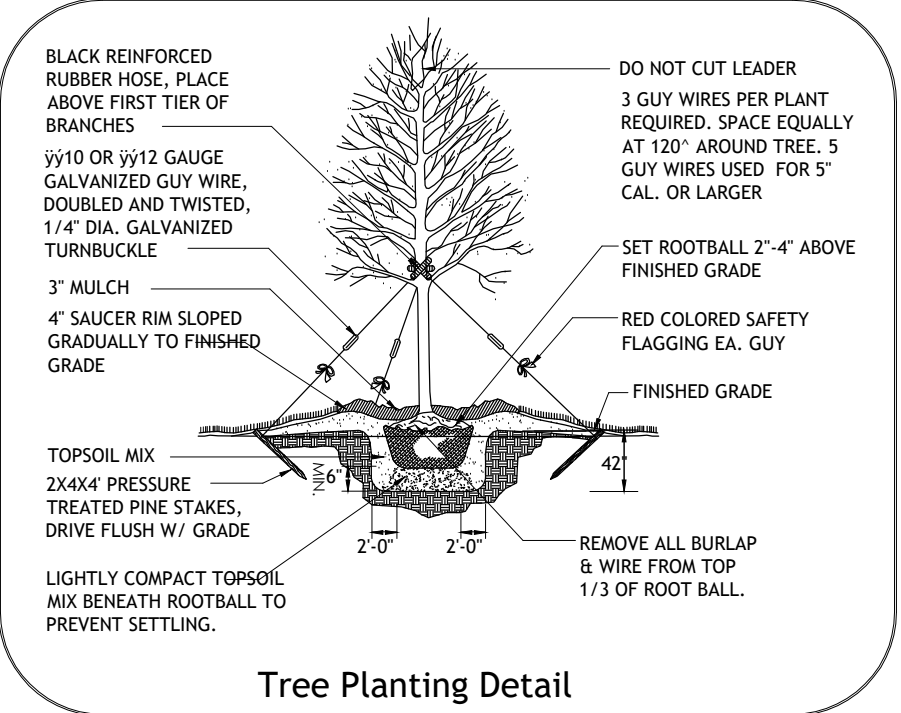
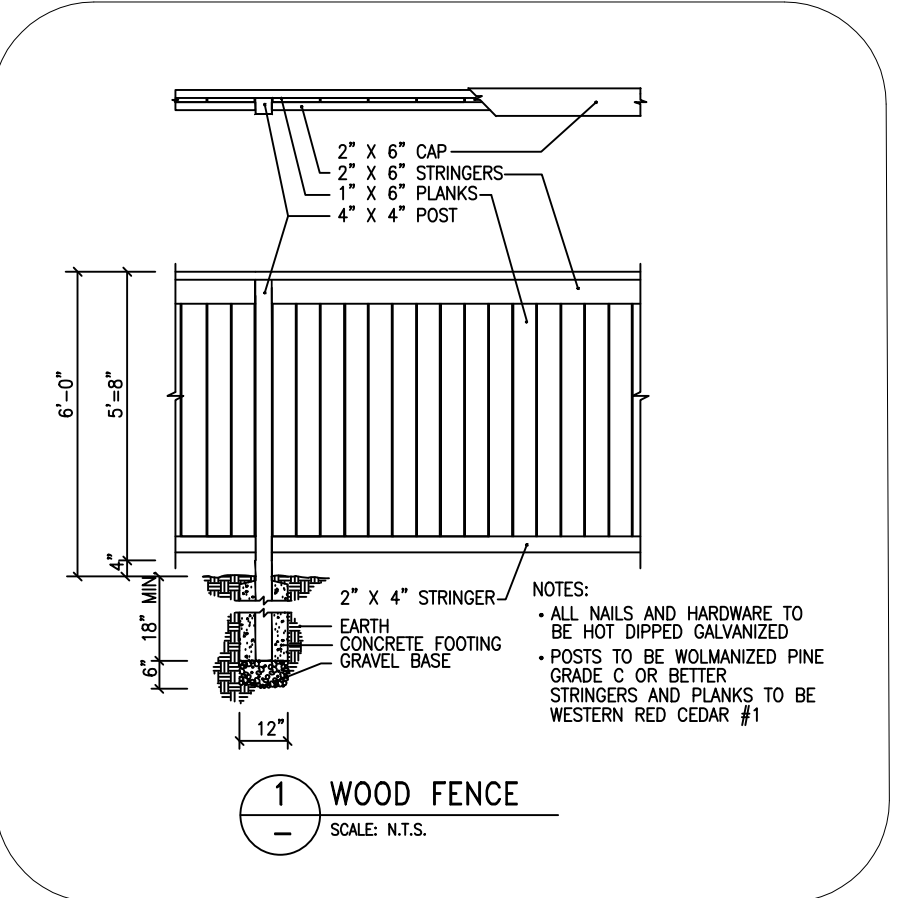
4- BUFFER REDUCTION LANDSCAPING REQUIREMENT
FOR THE REDUCED BUFFER AREA, THIS LANDSCAPING SHOULD BE COUNTED SEPARATELY FROM THE GENERAL 17% REQUIREMENT.

BUFFER LANDSCAPING CALCULATION:
BUFFER AREA: 20 FT X 150 FT = 3,000 SF
CANOPY TREES FOR BUFFER: 1 TREE PER 200 SF
REQUIRED CANOPY TREES: 3,000 SF / 200 SF PER TREE = 15 CANOPY TREES

NOTE:
AUTOMATIC IRRIGATION IS REQUIRED FOR THIS PROJECT
ALL PARKING ISLANDS MUST HAVE A CANOPY TREE.

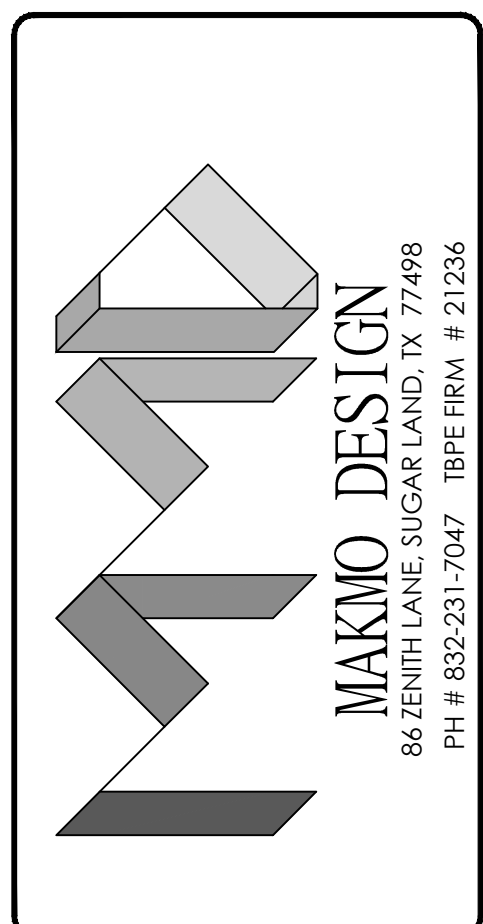
LANDSCAPING CALCULATIONS:

- A. STREET TREES:
Length of property line in lineal feet as measured along all sides of the property fronting on a public street(s).
174.32/30 = 5.81 Street trees require on WEST VILLA MARIA ROAD
246.36/30 = 8.21 Street trees require on FORESTWOOD DRIVE
(Staff may create an artificial lot)
- B. PARKING LOT TREES:
Number of new parking stalls to be constructed 30/10 = 3.0 Parking lot trees required.
- C. TOTAL TREE REQUIREMENT:
A + B = 17 total number of street and parking lot trees required.
- D. SHRUBS: (Are required for new or the expanded portion of parking lots)
Total number of Street trees required, from A above 14 x 10 = 140 shrubs.
- E. LANDSCAPE BUFFER:
6' high screening fence, or 15' wide evergreen planting strip along the total length of property line adjacent to existing single-family residential, or limit of expansion adjacent to existing single-family residential.
(Site plan must show land use on all side of the property)



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PERMITS SET
CONSTRUCTION SET

REVISIONS:		
NO.	DATE	DESCRIPTION



PROPOSED C STORE & GAS STATION
LOCATED AT
1001 W VILLA MARIA RD, BRYAN, TX 77801

DATE: 3/29/2024

PROJECT NUMBER : 23-000
SCALE : 1" = 30'
DRAWN BY : R.R
CHECKED BY : A.Z
SHEET TITLE :

LANDSCAPE PLAN

DRAWING NUMBER:
L-100