

- LEGEND
- NOTE: SOME ITEMS SHOWN MAY NOT APPLY
- POWER POLE
  - LIGHT POLE
  - SIGN
  - TREE (ORIP LINE DASHED)
  - FIRE HYDRANT
  - VALVE (W.V. WATER VALVE) (G.V. GAS VALVE)
  - EXISTING GRADE
  - TOP OF CURB ELEVATION
  - GUTTER ELEVATION
  - FL. FLOW LINE ELEVATION
  - RD. ROOF DRAIN
  - ROCK
  - CONCRETE PAVEMENT
  - ASPHALT PAVEMENT
  - (NL) NOT LOCATED
  - MANHOLE
  - CLEANOUT
  - STORM SEWER (SIZE NOTED)
  - SANITARY SEWER (SIZE NOTED)
  - W. WATER LINE (SIZE NOTED)
  - G. GAS LINE (SIZE NOTED)
  - T. TELEPHONE LINE (BURIED UNLESS NOTED)
  - E. ELECTRICAL LINE (BURIED UNLESS NOTED)
  - TV. CABLE TELEVISION LINE
  - WATER METER
  - CHAIN LINK FENCE
  - WOOD FENCE
  - GRASS AREA
  - GAS METER
  - MONITORING WELL
  - WATER METER

- NOTES:
- ALL BEARINGS INDICATED HEREON ARE BASED ON THE STATE PLANE COORDINATE VALUES - SOUTH CENTRAL ZONE 4204.
  - SURVEY PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT. ADDITIONAL EASEMENTS MAY EXIST.
  - PLEASE USE THE TEXAS ONE CALL SYSTEM BEFORE ANY EXCAVATION TAKES PLACE (811).
  - ACCORDING TO THE DIGITAL FEMA MAP 485457 0050 D DATED 08/06/2002: THIS PROPERTY IS IN FLOOD ZONE "X". LOCATION OF MAP OF DETERMINED BY SCALE.
  - ALL ELEVATIONS ARE BASED ON LEICA RTK NETWORK.

**SURVEY CERTIFICATION:**  
I DO HEREBY CERTIFY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THIS IS AN ACCURATE PLAT OF A TOPOGRAPHIC SURVEY MADE ON THE GROUND UNDER MY SUPERVISION DURING OCTOBER 2021.

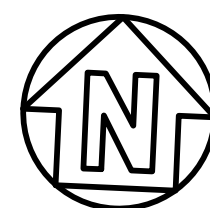
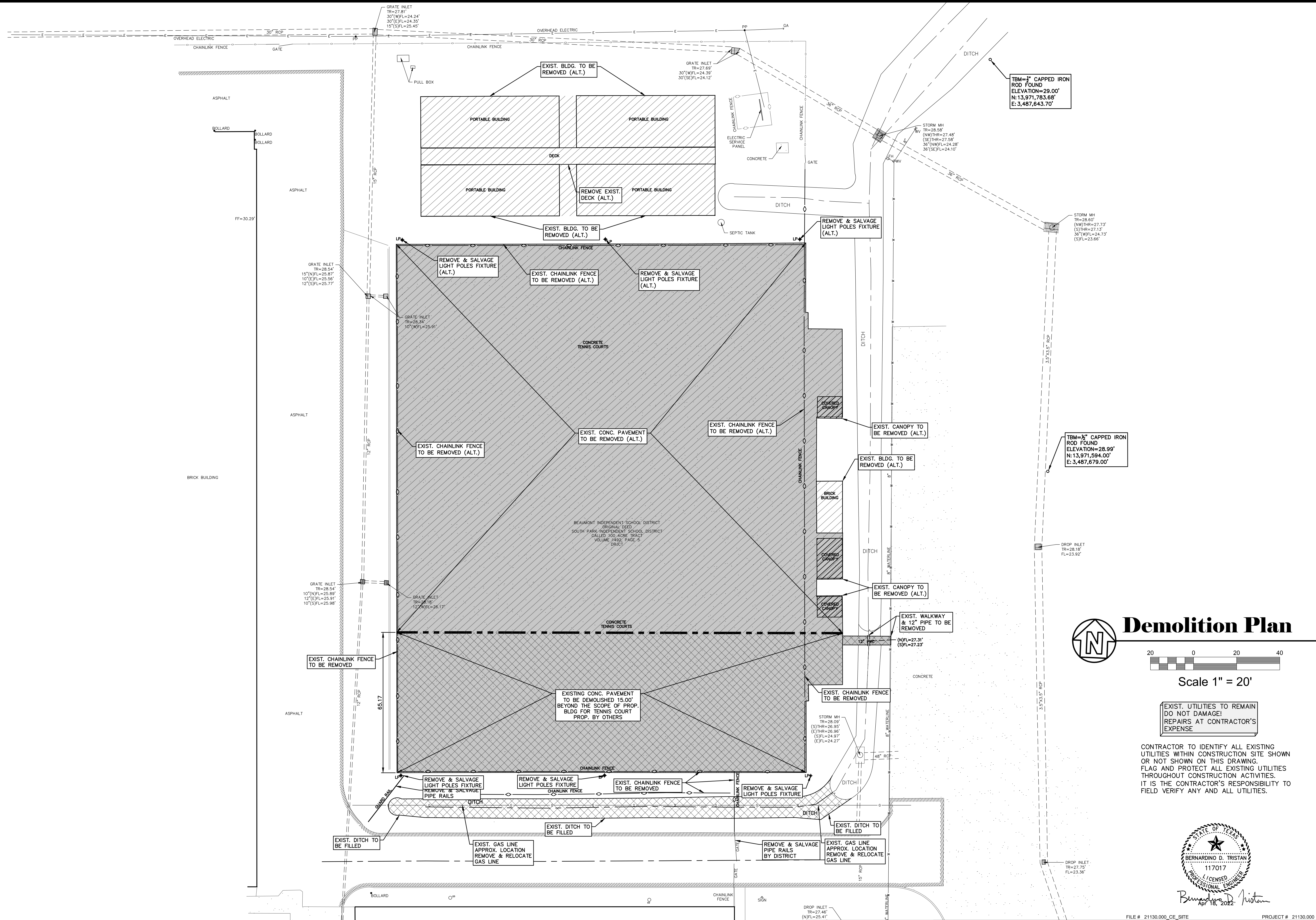
MITCHELL LEE BRACKIN  
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5163

NO.	ISSUED FOR	DATE

<b>Topographic Survey</b> <b>of</b> <b>West Brook High School,</b> <b>B.I.S.D.</b> <b>8750 Phelan Boulevard</b> <b>Beaumont, Texas</b> <b>Fittz &amp; Shipman</b> <b>INC.</b> <b>Consulting Engineers and Land Surveyors</b> T.B.F.E. Firm #1160 T.X.L.S. Firm #100186	FS PROJECT # 21130.0001
	DATE: Apr 18, 2022
	SCALE: 1" = 20'
	DRAWN BY: KLT
	CHECK BY: MLB
	APPROVED BY: MLB
<b>SV.01</b>	FS DRAWING NAME: 21130.1_SV_TOPO
	1405 Cornerstone Court Beaumont, TX. 77706 Ph. (409) 832-7238 Fax. (409) 832-7303 www.fittzshipman.com



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## Demolition Plan



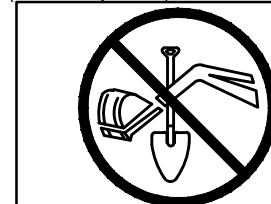
Scale 1" = 20'

EXIST. UTILITIES TO REMAIN  
DO NOT DAMAGE!  
REPAIRS AT CONTRACTOR'S  
EXPENSE

CONTRACTOR TO IDENTIFY ALL EXISTING  
UTILITIES WITHIN CONSTRUCTION SITE SHOWN  
OR NOT SHOWN ON THIS DRAWING.  
FLAG AND PROTECT ALL EXISTING UTILITIES  
THROUGHOUT CONSTRUCTION ACTIVITIES.  
IT IS THE CONTRACTOR'S RESPONSIBILITY TO  
FIELD VERIFY ANY AND ALL UTILITIES.



*Bernardino D. Tristram*  
Apr 18, 2022



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PROJECT # 21130.000

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## WEST BROOK AUXILIARY FIELD HOUSE

Beaumont Independent School District

8750 Pheasant Blvd

Beaumont, TX 77706

ISSUED FOR  
SCHEMATIC DESIGN ☒  
DATE: 1/26/2021

DESIGN DEVELOPMENT ☐  
DATE:

BIDS & CONSTRUCTION ☒  
DATE: 4/18/2022

REVISION:  
DATE:

REVISION:  
DATE:

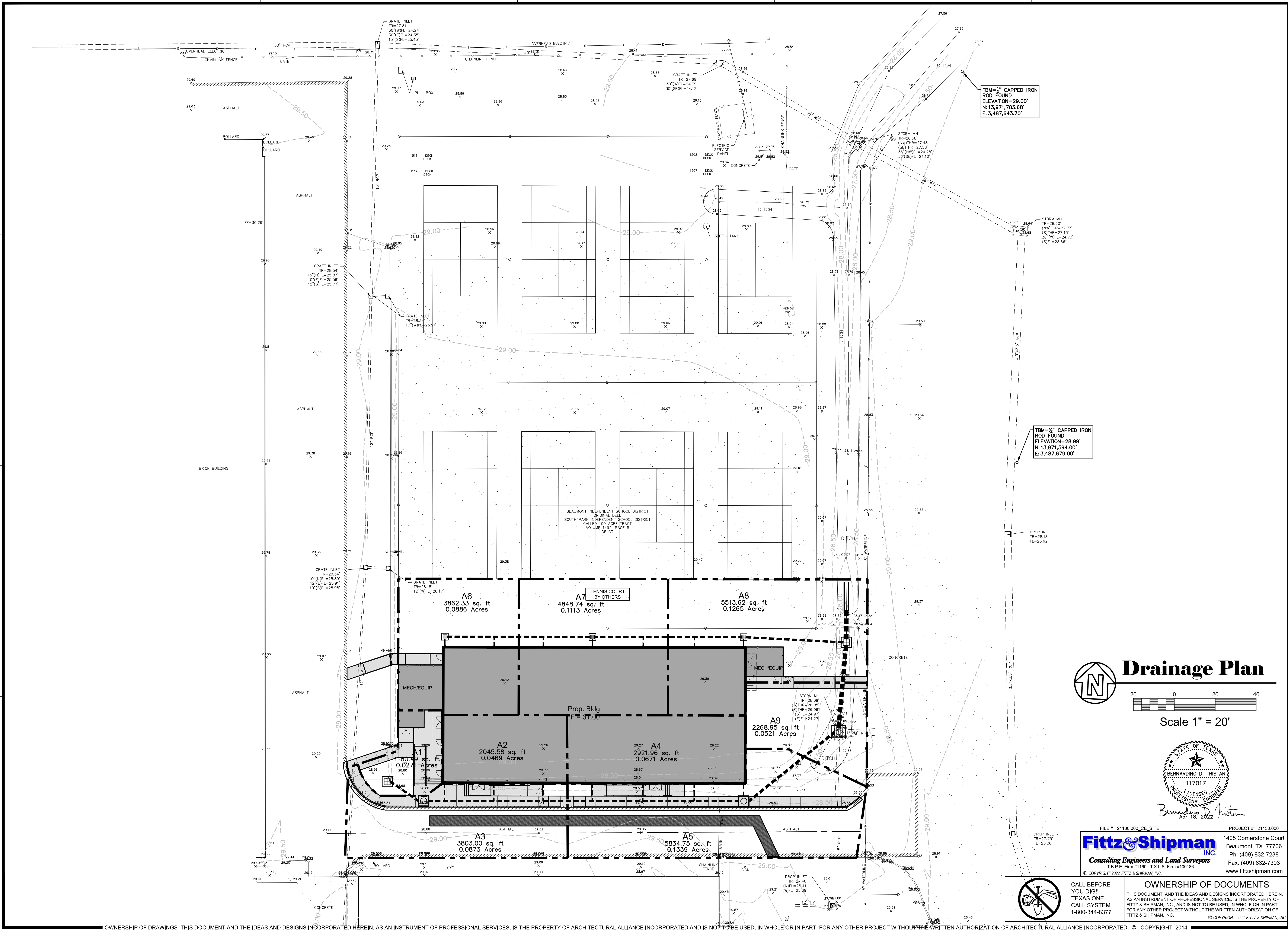
REVISION:  
DATE:

DRAWINGS SHEET TITLE  
**DEMOLITION  
PLAN**

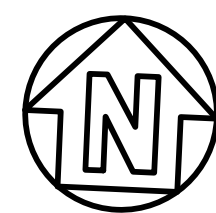
SHEET NUMBER  
**C0.00**  
21130  
PROJECT NUMBER



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## Drainage Plan



Scale 1" = 20'



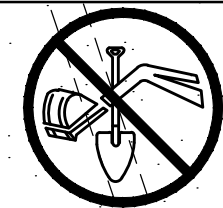
FILE # 21130.000\_CE\_SITE PROJECT # 21130.000  
**Fittz & Shipman**  
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## WEST BROOK AUXILIARY FIELD HOUSE

Beaumont Independent School District

8750 Phelan Blvd Beaumont, TX 77706

ISSUED FOR SCHEMATIC DESIGN ☒  
DATE: 1/26/2021  
DESIGN DEVELOPMENT ☐  
DATE: \_\_\_\_\_  
BIDS & CONSTRUCTION ☒  
DATE: 4/18/2022  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_

DRAWINGS SHEET TITLE  
DRAINAGE PLAN

SHEET NUMBER  
**C1.00**  
PROJECT NUMBER  
21130





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Jefferson Co.							Des. Freq.	2	5	10	25	50	100						
I=b/(t+d)e							b=	67.1216	b=	80.22	b=	97.22	b=	101.38	b=	105.57			
Tc=10A <sup>.1761+15</sup>							d=	13.2828	d=	13.47	d=	13.33	d=	13.05	d=	12.99			
2019							e=	0.8004	e=	0.772	e=	0.752	e=	0.727	e=	0.687			
DRAINAGE AREA NO.	TOTAL AREA (Ac.)	Building C 0.97	Pavement C 0.90	Grass C 0.25	Combined C A	Time of Concent. (min.)	i2 (in./hr.)	Q2 (c.f.s.)	i5 (in./hr.)	Q5 (c.f.s.)	i10 (in./hr.)	Q10 (c.f.s.)	i25 (in./hr.)	Q25 (c.f.s.)	i50 (in./hr.)	Q50 (c.f.s.)	i100 (in./hr.)	Q100 (c.f.s.)	
Post-Construction Conditions																			
A1	0.027	0.000	0.027	0.000	0.024	20.3	4.03	0.10	5.30	0.13	6.27	0.15	7.55	0.18	8.50	0.21	9.49	0.23	
A2	0.047	0.047	0.000	0.000	0.046	20.8	3.98	0.18	5.24	0.24	6.19	0.28	7.46	0.34	8.40	0.38	9.39	0.43	
A3	0.087	0.000	0.087	0.000	0.079	21.5	3.92	0.31	5.16	0.41	6.10	0.48	7.35	0.58	8.29	0.65	9.26	0.73	
A4	0.067	0.067	0.000	0.000	0.065	21.2	3.94	0.26	5.20	0.34	6.14	0.40	7.40	0.48	8.34	0.54	9.32	0.61	
A5	0.134	0.000	0.134	0.000	0.121	22.0	3.87	0.47	5.10	0.62	6.04	0.73	7.28	0.88	8.20	0.99	9.17	1.11	
A6	0.089	0.044	0.044	0.000	0.083	21.5	3.92	0.32	5.16	0.43	6.10	0.51	7.35	0.61	8.29	0.69	9.26	0.77	
A7	0.111	0.056	0.056	0.000	0.104	21.8	3.89	0.41	5.13	0.53	6.07	0.63	7.31	0.76	8.24	0.86	9.21	0.96	
A8	0.127	0.063	0.063	0.000	0.118	21.9	3.88	0.46	5.11	0.60	6.05	0.72	7.29	0.86	8.21	0.97	9.18	1.09	
A9	0.052	0.000	0.026	0.026	0.030	20.9	3.97	0.12	5.23	0.16	6.18	0.19	7.44	0.22	8.39	0.25	9.37	0.28	
	0.74				0.67			2.62		3.45		4.08		4.92		5.54		6.19	
Pre-Construction Conditions																			
A1	0.027	0.000		0.014	0.016	20.3	4.03	0.06	5.30	0.08	6.27	0.10	7.55	0.12	8.50	0.13	9.49	0.15	
A2	0.047	0.000		0.023	0.023	20.8	3.98	0.11	5.24	0.14	6.19	0.17	7.46	0.20	8.40	0.23	9.39	0.25	
A3	0.087	0.000		0.087	0.000	0.079	21.5	3.92	0.31	5.16	0.41	6.10	0.48	7.35	0.58	8.29	0.65	9.26	0.73
A4	0.067	0.000		0.034	0.039	21.2	3.94	0.15	5.20	0.20	6.14	0.24	7.40	0.29	8.34	0.32	9.32	0.36	
A5	0.134	0.000		0.134	0.000	0.121	22.0	3.87	0.47	5.10	0.62	6.04	0.73	7.28	0.88	8.20	0.99	1.11	
A6	0.089	0.000		0.089	0.000	0.080	21.5	3.92	0.31	5.16	0.41	6.10	0.49	7.35	0.59	8.29	0.66	0.74	
A7	0.111	0.000		0.111	0.000	0.100	21.8	3.89	0.39	5.13	0.51	6.07	0.61	7.31	0.73	8.24	0.83	0.92	
A8	0.127	0.000		0.127	0.000	0.114	21.9	3.88	0.44	5.11	0.58	0.69	7.29	0.83	8.21	0.94	9.18	1.05	
A9	0.052	0.000		0.026	0.026	0.030	20.9	3.97	0.12	5.23	0.16	6.18	0.19	7.44	0.22	8.39	0.25	9.37	0.28
	0.74				0.60			2.36		3.11		3.68		4.43		5.00		5.58	

Jefferson Co.										Freq = 5		Atlas 14		b=80.22		I=b/((t+d)e		n=0.012		HDPE pipe			
Zone 1										d=13.47		Tc=10A*.1761+15		n=0.030		PIPE		earth ditch					
2019										e=0.772													
STORM COMPUTATIONS																							
FROM NO.	TO	Drainage Areas	TOTAL DA (Ac.)	TOTAL CA	LNTH (ft.)	Time of Concentration Along sewer line		Inlet Time	Used in Design	I (in/hr)	Freq = Q (cfs)	No.	Dia. (in.)	DESIGN Slope %	Cap. (cfs)	Vel. (ft/sec)	REMARKS	+/- Q					
A1	A3	A1	0.03	0.02	20	+ 20	/ 0.5 (60)=	0.7	20.3	20.3	5.30	0.13	1	12	0.35	2.29	2.91	2.16					
A2	A3	A2	0.05	0.05	10	+ 10	/ 2.0 (60)=	0.1	20.8	20.8	5.24	0.24	3	6	0.50	1.29	2.19	1.05					
A3	A5	A1+A2+A3	0.16	0.15	155	+ 155	/ 0.5 (60)=	5.2	22.3	22.3	5.08	0.75	1	12	0.35	2.29	2.91	1.53					
A4	A5	A4	0.07	0.07	10	+ 10	/ 2.0 (60)=	0.1	21.2	21.2	5.20	0.34	4	6	0.50	1.72	2.19	1.38					
A5	A9	A1->A5	0.36	0.33	58	155	/ 2.9 (60)=	0.9	23.4	23.4	4.96	1.66	1	15	0.35	4.15	3.38	2.49					
A6	A7	A6	0.09	0.08	72	+ 72	/ 0.5 (60)=	2.4	21.5	21.5	5.16	0.43	1	12	0.35	2.29	2.91	1.86					
A7	A8	A6+A7	0.20	0.19	73	73	/ 3.4 (60)=	0.4	22.5	22.5	5.05	0.94	1	12	0.35	2.29	2.91	1.34					
A8	A9	A6->A8	0.33	0.31	82	82	/ 2.9 (60)=	0.5	23.2	23.2	4.98	1.52	1	24	0.35	14.53	4.63	13.02					
A9	OUT	A1->A9	0.74	0.67	10	+ 10	/ 0.5 (60)=	0.3	24.5	24.5	4.85	3.24	1	48	0.10	49.34	3.93	46.10					

Jefferson Co.										Freq = 100		Atlas 14		b= 105.57		I=b/(t+d)e		n= 0.012		HDPE pipe	
Zone 1										d= 12.99		Tc=10A*.1761+15		n= 0.030		PIPE		earth ditch			
2019										e= 0.687											
STORM COMPUTATIONS																					
FROM NO.	TO	Drainage Areas	TOTAL DA (Ac.)	TOTAL CA	Time of Concentration LNTH along sewer line (ft.)	Inlet Time	Used in Design	I (in/hr)	Freq = Q (cfs)	No.	Dia. (in.)	DESIGN Slope %	Cap. (cfs)	Vel. (ft/sec)	REMARKS	+/- Q					
A1	A3	A1	0.03	0.02	20	+ 20 / 0.5 (60)=	0.7	20.3	20.3	9.49	0.23	1	12	0.35	2.29	2.91	2.06				
A2	A3	A2	0.05	0.05	10	+ 10 / 2.0 (60)=	0.1	20.8	20.8	9.39	0.43	3	6	0.50	1.29	2.19	0.86				
A3	A5	A1+A2+A3	0.16	0.15	155	+ 155 / 0.5 (60)=	5.2	22.3	22.3	9.13	1.36	1	12	0.35	2.29	2.91	0.93				
A4	A5	A4	0.07	0.07	10	+ 10 / 2.0 (60)=	0.1	21.2	21.2	9.32	0.61	4	6	0.50	1.72	2.19	1.12				
A5	A9	A1->A5	0.36	0.33	58	155 / 2.9 (60)=	0.9	23.4	23.4	8.94	2.99	1	15	0.35	4.15	3.38	1.16				
A6	A7	A6	0.09	0.08	72	+ 72 / 0.5 (60)=	2.4	21.5	21.5	9.26	0.77	1	12	0.35	2.29	2.91	1.52				
A7	A8	A6+A7	0.20	0.19	73	73 / 3.4 (60)=	0.4	22.5	22.5	9.08	1.70	1	12	0.35	2.29	2.91	0.59				
A8	A9	A6->A8	0.33	0.31	82	82 / 2.9 (60)=	0.5	23.2	23.2	8.96	2.74	1	24	0.35	14.53	4.63	11.80				
A9	OUT	A1->A9	0.74	0.67	10	+ 10 / 0.5 (60)=	0.3	24.5	24.5	8.75	5.86	1	48	0.10	49.34	3.93	43.48				



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PROJECT # 21130.000

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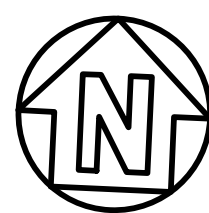
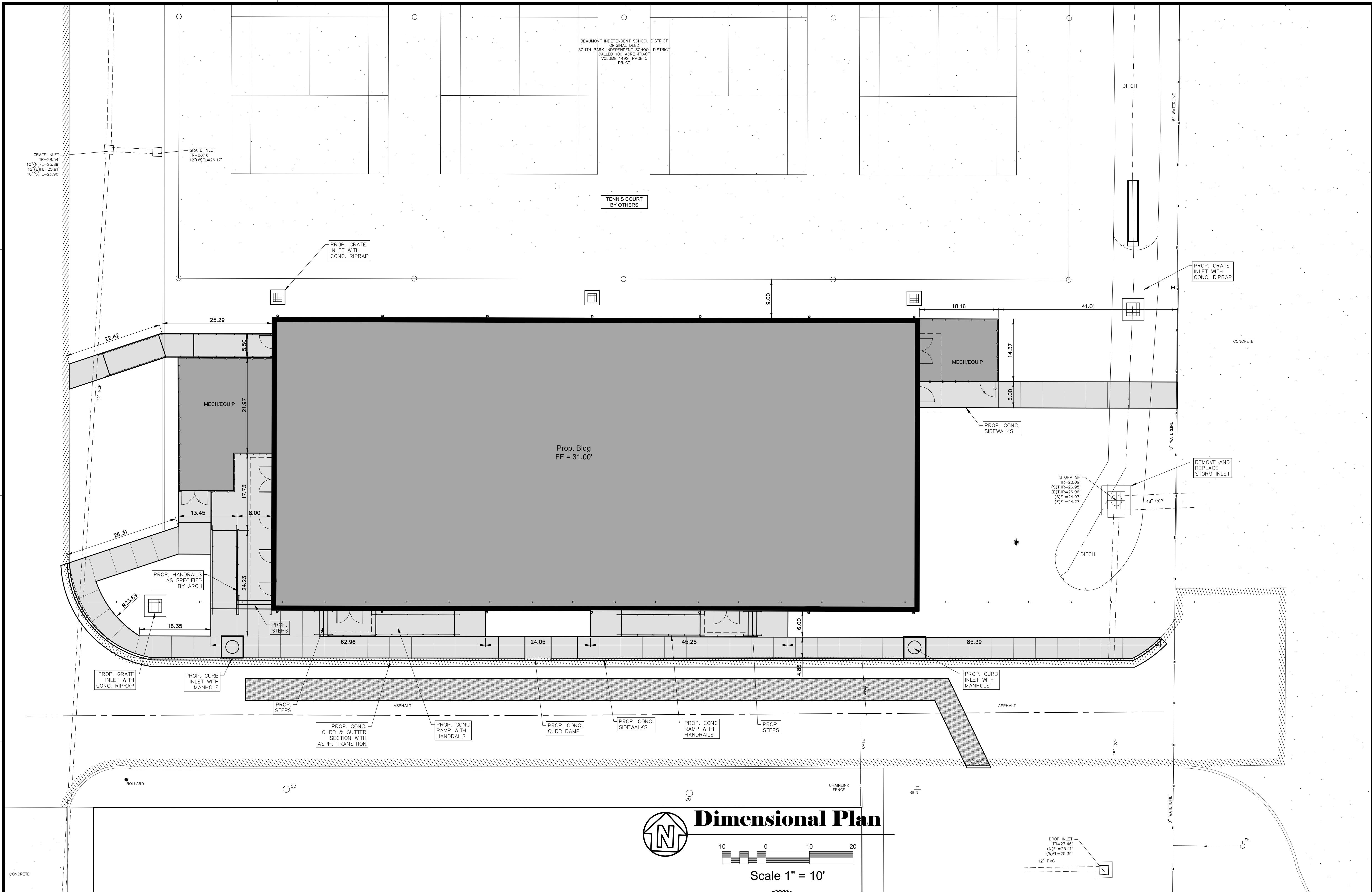
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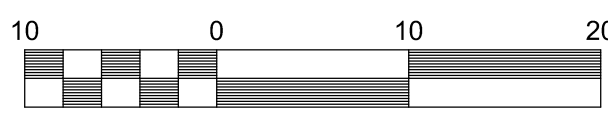
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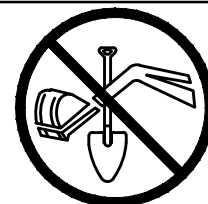
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## Dimensional Plan



Scale 1" = 10'



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## WEST BROOK AUXILIARY FIELD HOUSE

Beaumont Independent School District

Beaumont, TX 77706

8750 Pheasant Blvd

ISSUED FOR  
SCHEMATIC DESIGN ☒  
DATE: 1/26/2021  
DESIGN DEVELOPMENT ☐  
DATE: \_\_\_\_\_  
BIDS & CONSTRUCTION ☒  
DATE: 4/18/2022  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_

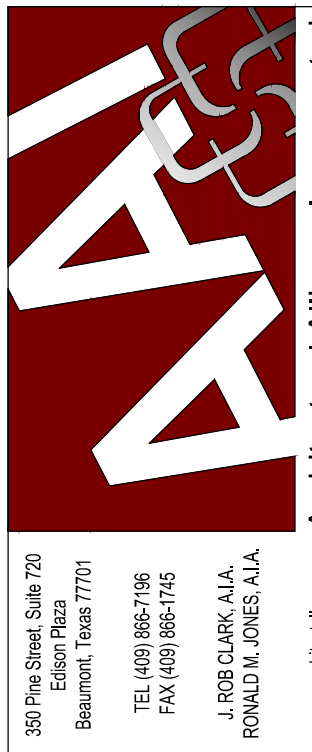
DRAWINGS SHEET TITLE  
**DIMENSIONAL  
PLAN**

SHEET NUMBER

**C2.00**

21130

PROJECT NUMBER





WEST BROOK AUXILIARY FIELD HOUSE

Beaumont Independent School District

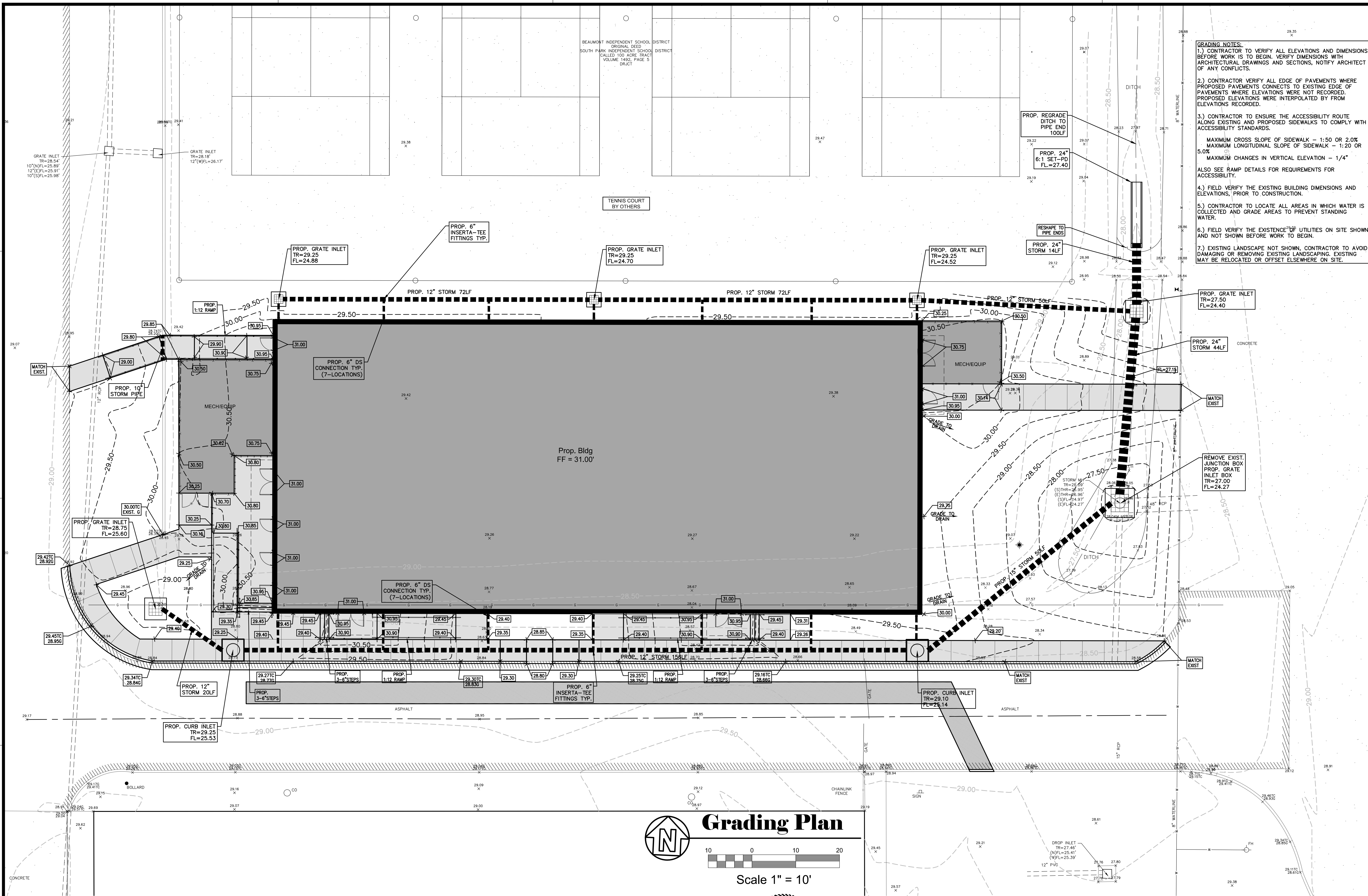
8750 Phelan Blvd

ISSUED FOR SCHEMATIC DESIGN ☒  
DATE: 1/26/2021  
DESIGN DEVELOPMENT ☐  
DATE: \_\_\_\_\_  
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_

DRAWINGS SHEET TITLE  
GRADING PLAN

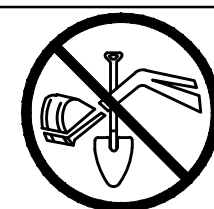
SHEET NUMBER  
C3.00  
PROJECT NUMBER  
21130

- GRADING NOTES:
- 1.) CONTRACTOR TO VERIFY ALL ELEVATIONS AND DIMENSIONS BEFORE WORK IS TO BEGIN. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND SECTIONS, NOTIFY ARCHITECT OF ANY CONFLICTS.
  - 2.) CONTRACTOR VERIFY ALL EDGE OF PAVEMENTS WHERE PROPOSED PAVEMENTS CONNECTS TO EXISTING EDGE OF PAVEMENTS WHERE ELEVATIONS WERE NOT RECORDED. PROPOSED ELEVATIONS WERE INTERPOLATED BY FROM ELEVATIONS RECORDED.
  - 3.) CONTRACTOR TO ENSURE THE ACCESSIBILITY ROUTE ALONG EXISTING AND PROPOSED SIDEWALKS TO COMPLY WITH ACCESSIBILITY STANDARDS.  
MAXIMUM CROSS SLOPE OF SIDEWALK - 1:50 OR 2.0%  
MAXIMUM LONGITUDINAL SLOPE OF SIDEWALK - 1:20 OR 5.0%  
MAXIMUM CHANGES IN VERTICAL ELEVATION - 1/4"
  - 4.) FIELD VERIFY THE EXISTING BUILDING DIMENSIONS AND ELEVATIONS, PRIOR TO CONSTRUCTION.
  - 5.) CONTRACTOR TO LOCATE ALL AREAS IN WHICH WATER IS COLLECTED AND GRADE AREAS TO PREVENT STANDING WATER.
  - 6.) FIELD VERIFY THE EXISTENCE OF UTILITIES ON SITE SHOWN AND NOT SHOWN BEFORE WORK TO BEGIN.
  - 7.) EXISTING LANDSCAPE NOT SHOWN, CONTRACTOR TO AVOID DAMAGING OR REMOVING EXISTING LANDSCAPING. EXISTING MAY BE RELOCATED OR OFFSET ELSEWHERE ON SITE.



Grading Plan

Scale 1" = 10'



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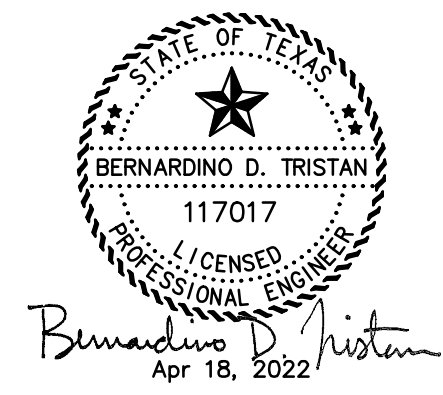
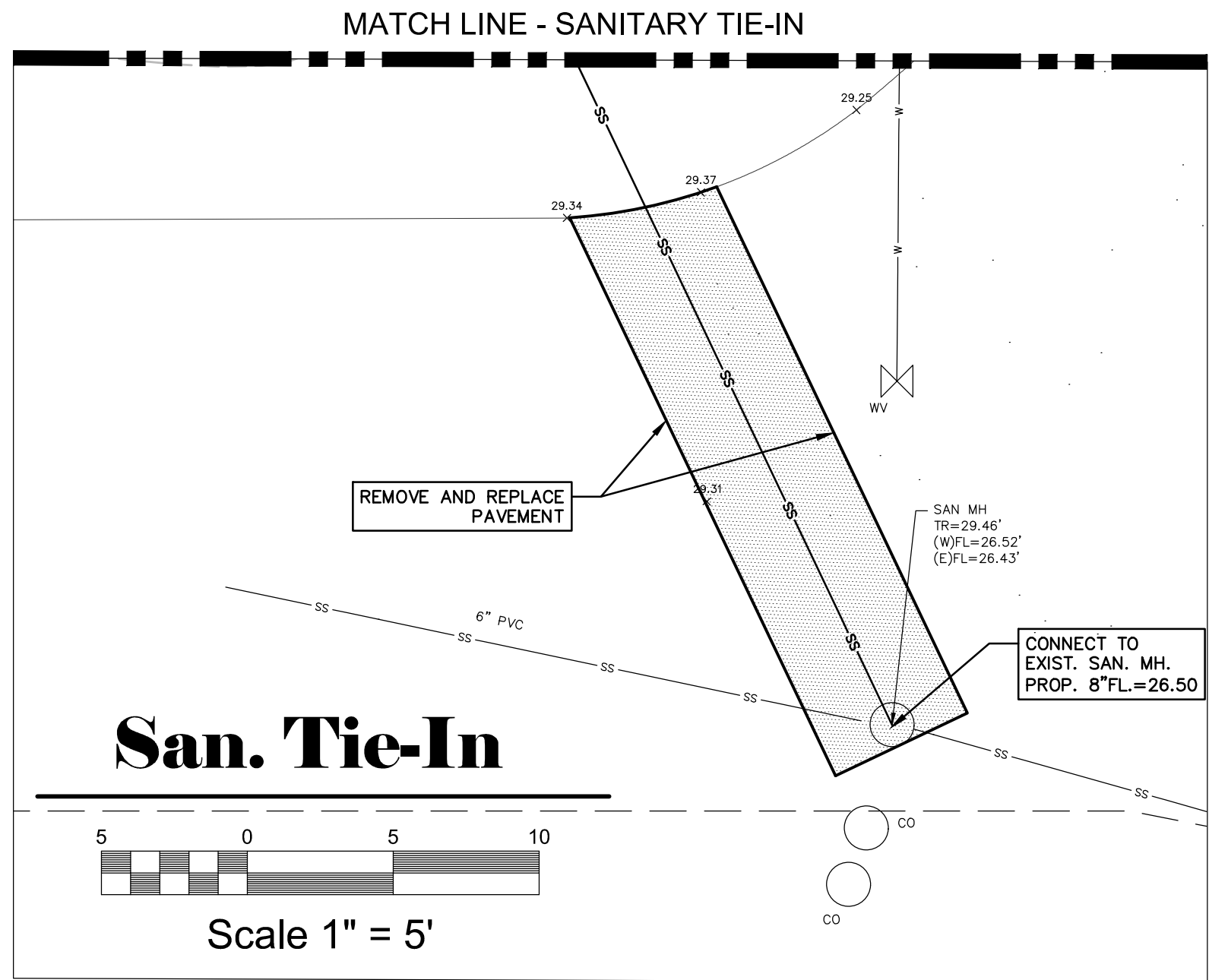
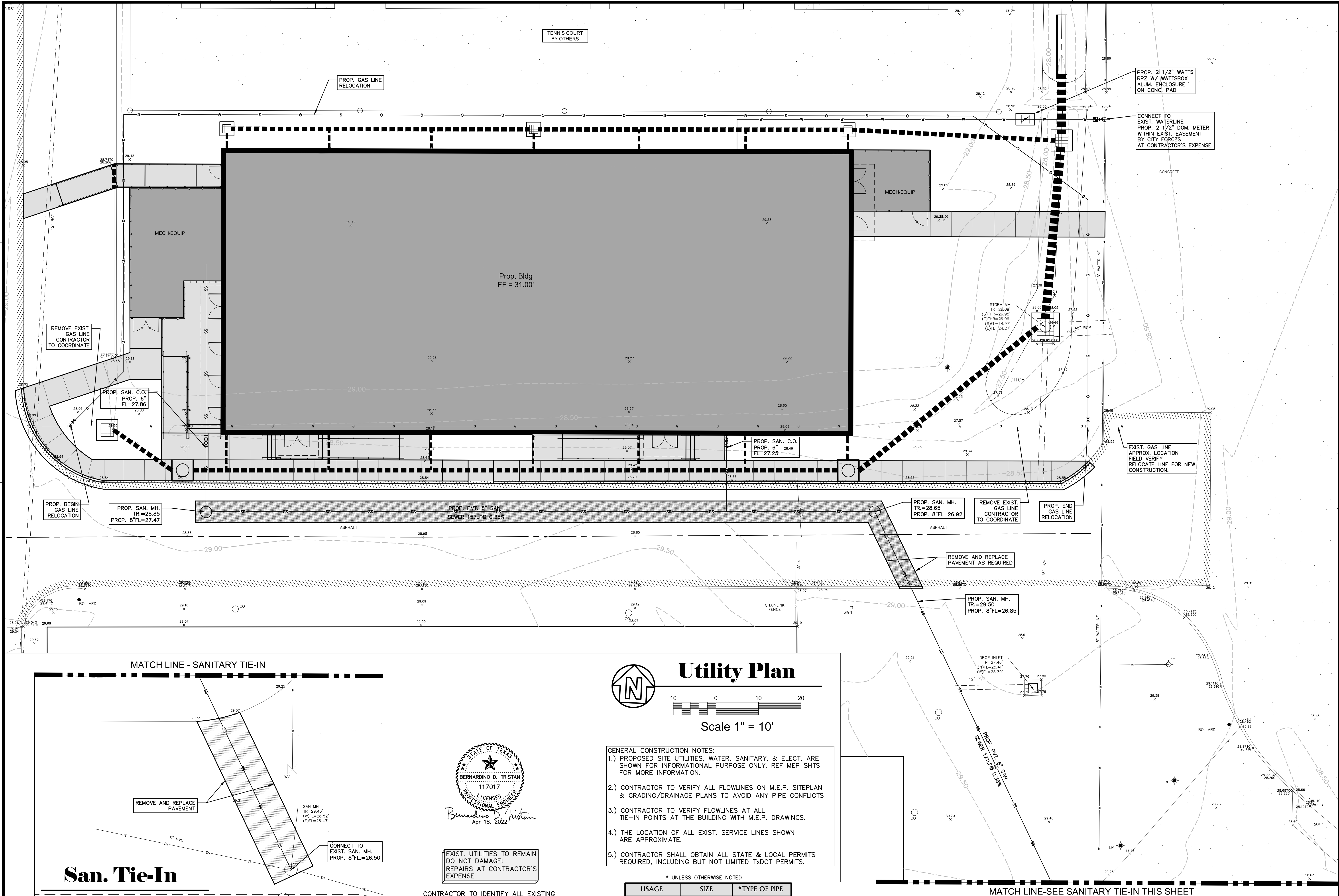
PROJECT # 21130.000

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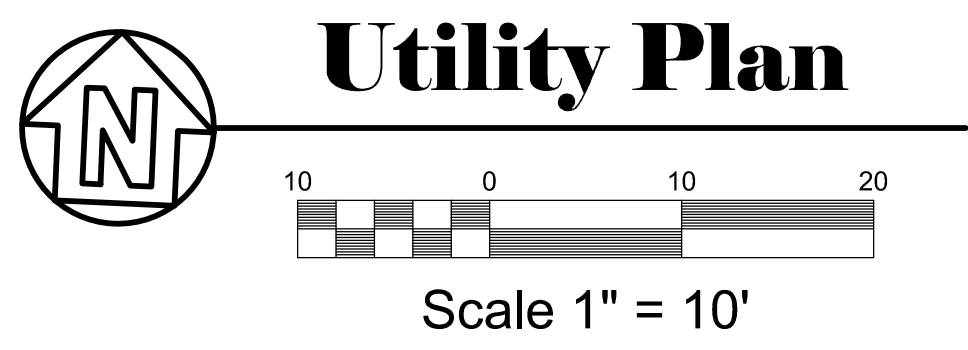


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EXIST. UTILITIES TO REMAIN DO NOT DAMAGE! REPAIRS AT CONTRACTOR'S EXPENSE

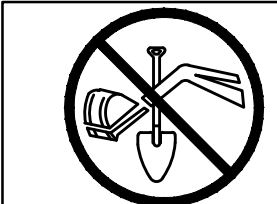
CONTRACTOR TO IDENTIFY ALL EXISTING UTILITIES WITHIN CONSTRUCTION SITE SHOWN OR NOT SHOWN ON THIS DRAWING. FLAG AND PROTECT ALL EXISTING UTILITIES THROUGHOUT CONSTRUCTION ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ANY AND ALL UTILITIES.



- GENERAL CONSTRUCTION NOTES:
- 1.) PROPOSED SITE UTILITIES, WATER, SANITARY, & ELECT., ARE SHOWN FOR INFORMATIONAL PURPOSE ONLY. REF MEP SHTS FOR MORE INFORMATION.
  - 2.) CONTRACTOR TO VERIFY ALL FLOWLINES ON M.E.P. SITEPLAN & GRADING/DRAINAGE PLANS TO AVOID ANY PIPE CONFLICTS
  - 3.) CONTRACTOR TO VERIFY FLOWLINES AT ALL TIE-IN POINTS AT THE BUILDING WITH M.E.P. DRAWINGS.
  - 4.) THE LOCATION OF ALL EXIST. SERVICE LINES SHOWN ARE APPROXIMATE.
  - 5.) CONTRACTOR SHALL OBTAIN ALL STATE & LOCAL PERMITS REQUIRED, INCLUDING BUT NOT LIMITED TO DOT PERMITS.

* UNLESS OTHERWISE NOTED		
USAGE	SIZE	*TYPE OF PIPE
FIRE WATERLINE	LESS THAN 4"	Per Building Code
FIRE WATERLINE	4" AND LARGER	C-900 PVC DR-14 200PSI CLASS

NOTE: ALL WATER AND SANITARY SEWER LINES ON SITE ARE PRIVATE.



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WEST BROOK AUXILIARY FIELD HOUSE

Beaumont Independent School District

8750 Phelan Blvd

ISSUED FOR SCHEMATIC DESIGN ☒  
DATE: 1/26/2021

DESIGN DEVELOPMENT ☐  
DATE:

BIDS & CONSTRUCTION ☒  
DATE: 4/18/2022

REVISION:   
DATE:   
REVISION:   
DATE:   
REVISION:   
DATE:

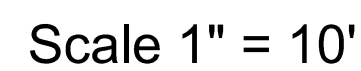
DRAWINGS SHEET TITLE  
**UTILITY PLAN**

SHEET NUMBER  
**C4.00**

21130  
PROJECT NUMBER

3507ing Street, Suite 720  
Beaumont, Texas 77701  
TEL (409) 846-2466  
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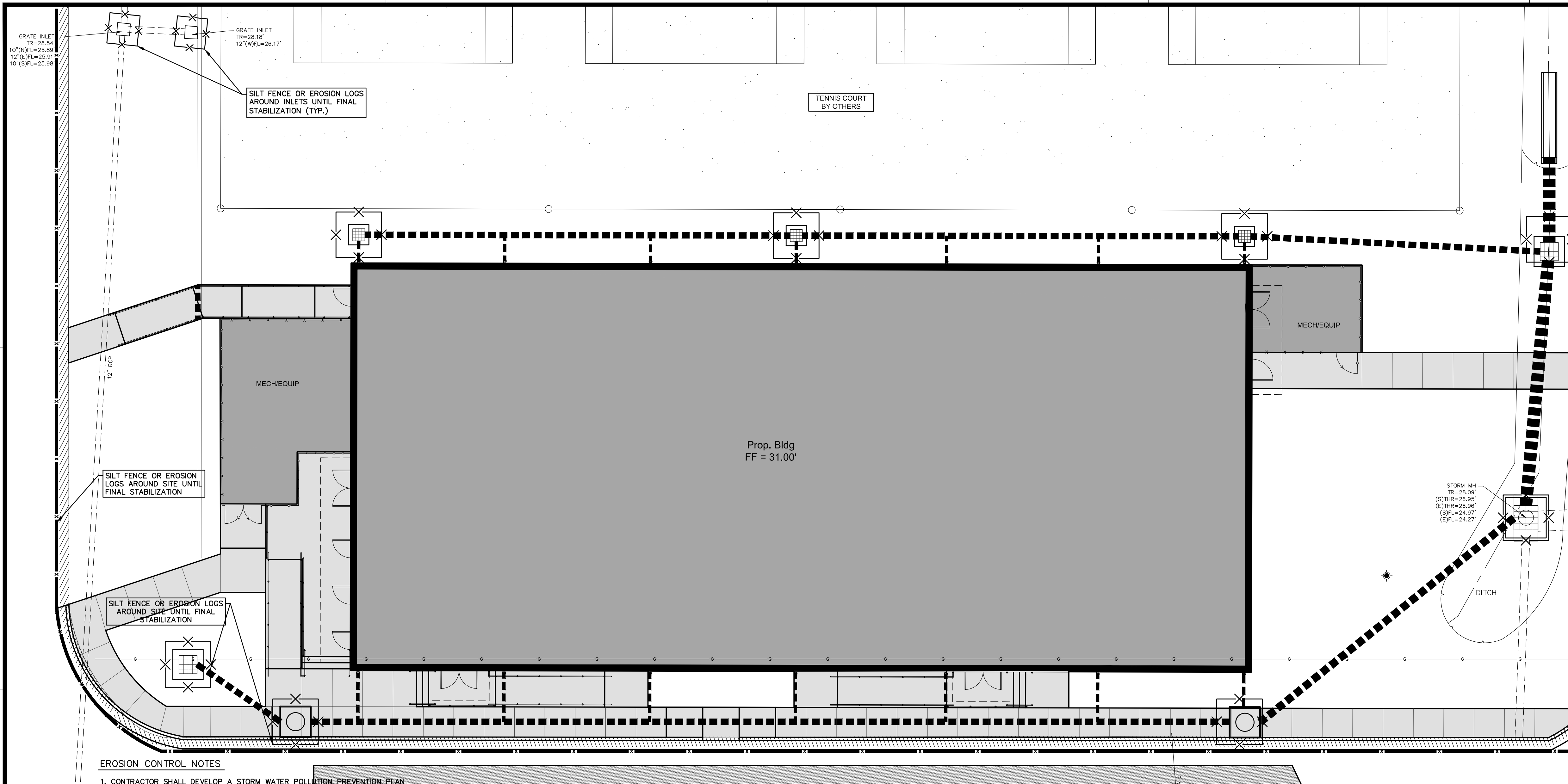




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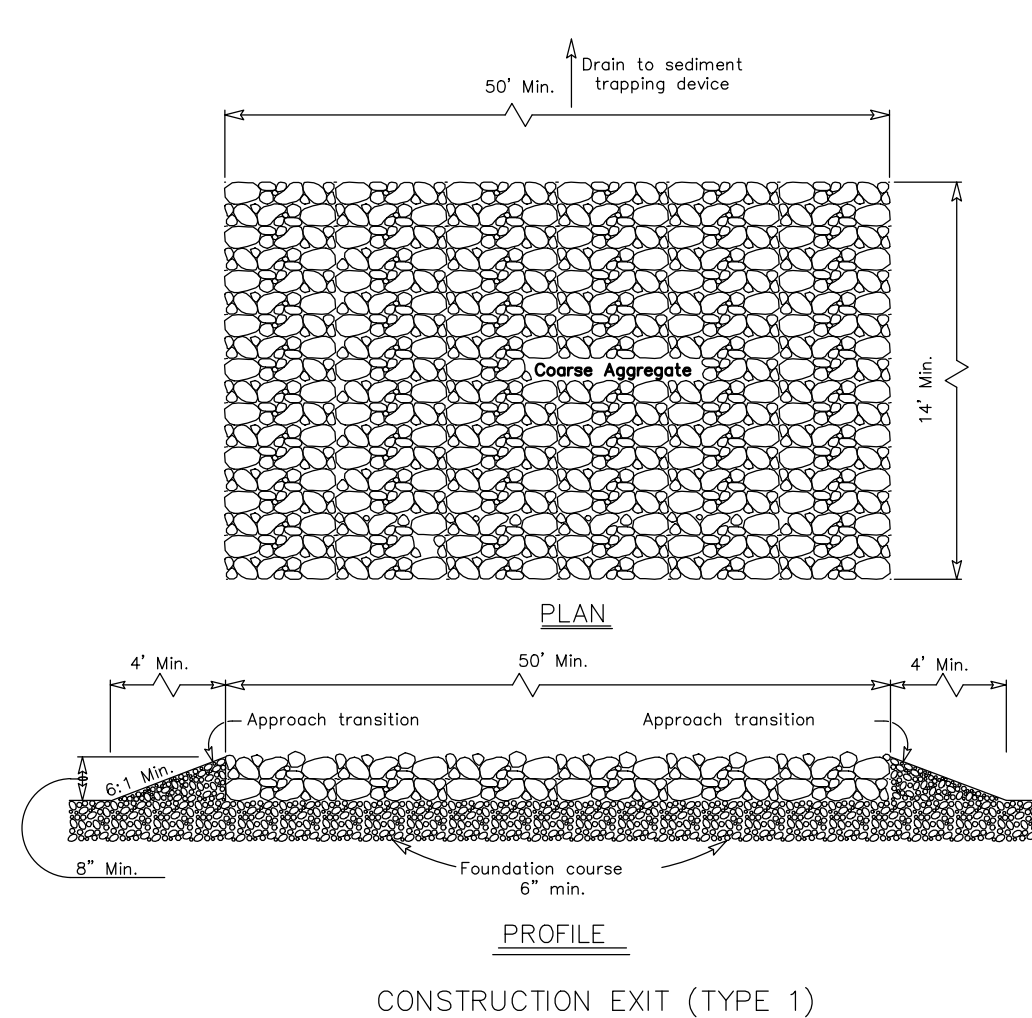
#### EROSION CONTROL NOTES

- CONTRACTOR SHALL DEVELOP A STORM WATER POLLUTION PREVENTION PLAN (SWP3) IN ACCORDANCE WITH TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) RULES FOR THE SITE. SWP3 PLAN SHALL BE BASED ON THIS DRAWING OR MODIFIED AS REQUIRED.
- SWP3 SHALL CONTAIN:
  - SITE DESCRIPTION OR PROJECT DESCRIPTION INCLUDING NATURE OF CONSTRUCTION ACTIVITY, POTENTIAL POLLUTANTS AND SOURCES
  - DESCRIPTION OF INTENDED PROJECT SCHEDULE
  - ACREAGE OF SITE
  - DATA DESCRIBING SOIL OR QUALITY OF DISCHARGE FROM SITE
  - GENERAL LOCATION MAP OF SITE
  - DETAILED SITE MAP INDICATING DRAINAGE PATTERNS, PROPOSED CONTROLS.
  - EROSION AND SEDIMENT CONTROLS SELECTED
  - SOIL STABILIZATION METHODS
- SWP3 PLAN SHALL DESCRIBE PRACTICES TO REDUCE POLLUTANTS IN STORM WATER DISCHARGE, DAILY/WEEKLY SITE INSPECTIONS AND LIST RESPONSIBLE PERSON
- CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT (NOI) TO TCEQ PRIOR TO DISTURBANCE OF THE SITE.
- SWP3 PLAN MUST BE RETAINED AT THE CONSTRUCTION SITE AND MADE AVAILABLE TO CITY AND TCEQ INSPECTORS.
- CONTRACTOR SHALL INSTALL EROSION CONTROL DEVICES INDICATED ON THIS PLAN AND SWP3 PLAN PRIOR TO CONSTRUCTION AT SITE.
- CONTRACTOR SHALL PERFORM PERIODIC MAINTENANCE AND REPAIR AND/OR REPLACE DEVICES WHEN REQUIRED TO CONTAIN SEDIMENTS AND POLLUTANTS ON THE SITE UNTIL CONSTRUCTION IS COMPLETE AND SITE HAS REACHED FINAL STABILIZATION.
- CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (NOT) TO TCEQ ONCE CONSTRUCTION IS COMPLETE AND SITE HAS REACHED FINAL STABILIZATION.
- ALL CITY STREETS SHALL BE KEPT FREE OF ALL CONSTRUCTION MATERIALS AND SHALL BE CLEANED AT THE END OF EACH WORK DAY.

#### TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC)

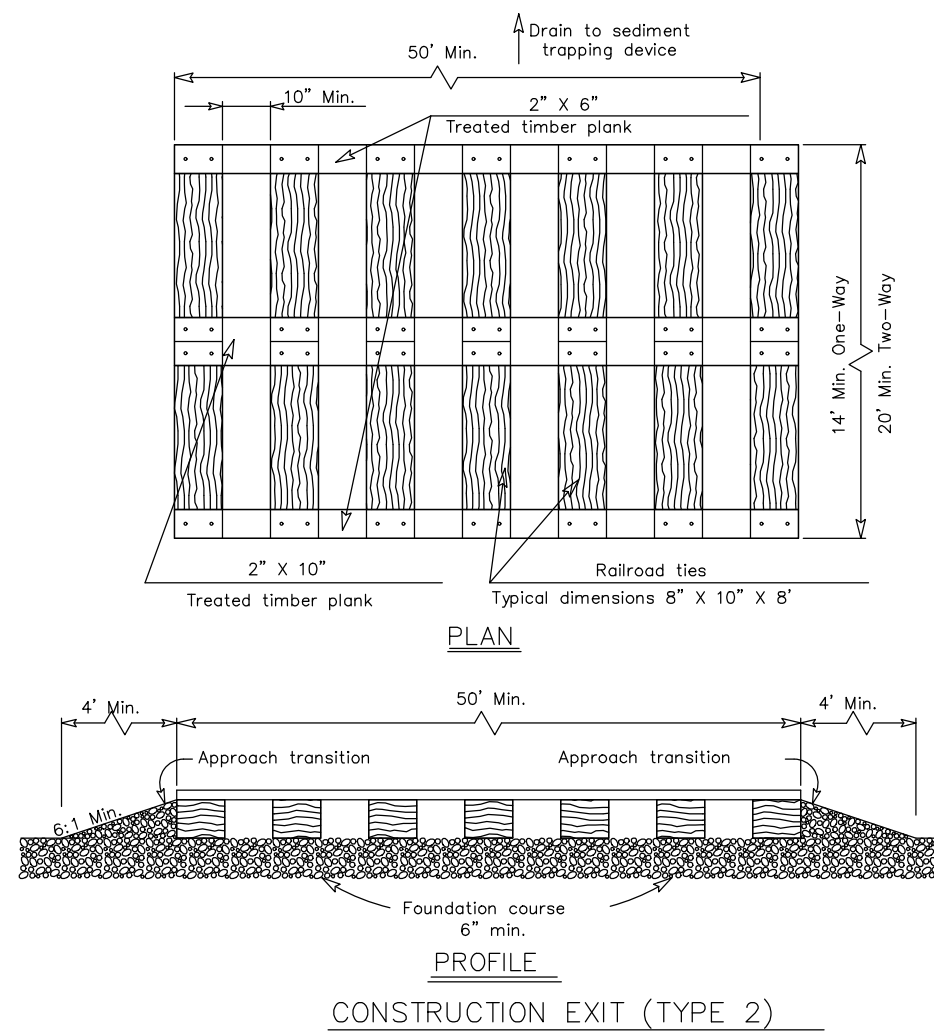
- THE IMPLEMENTATION OF THESE TESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE TESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/TESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
- THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.).
- THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/TESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING.
- ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED TESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY.

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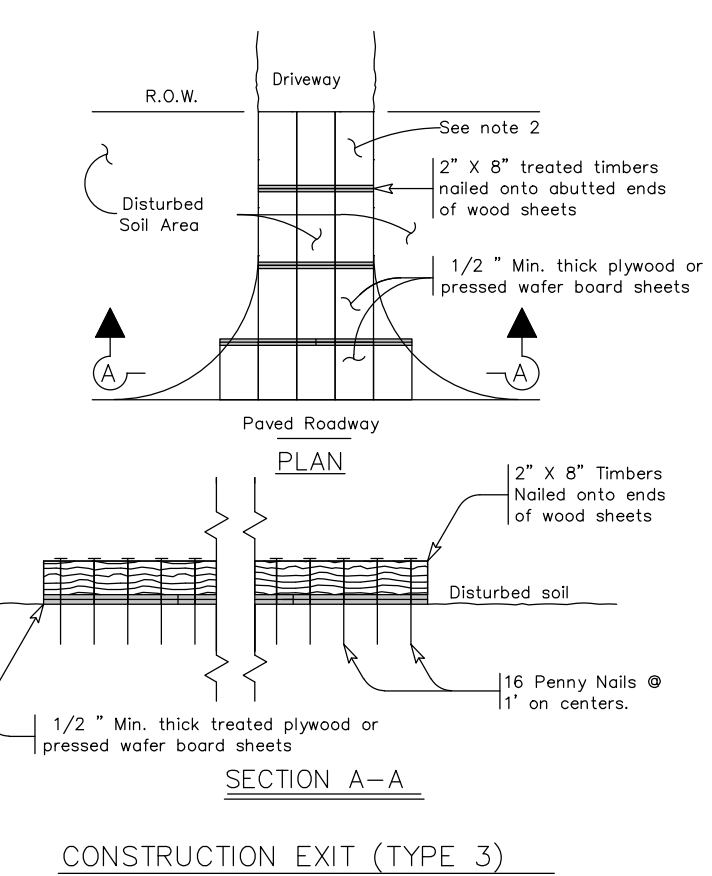
#### GENERAL NOTES

- The length of the type 1 construction exit shall be as indicated on the plans, but not less than 50'.
- The coarse aggregate should be open graded with a size of 4" to 8".
- The approach transitions should be no steeper than 6:1 and constructed as directed by the Engineer.
- The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.
- The construction exit shall be graded to allow drainage to a sediment trapping device.
- The guidelines shown herein are suggestions only and may be modified by the Engineer.
- Construction exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for full width of the exit, or as directed by the engineer.



#### GENERAL NOTES

- The length of the type 2 construction exit shall be as indicated on the plans, but not less than 50'.
- The treated timber planks shall be attached to the railroad ties with 1/2" x 6" min. lag bolts. Other fasteners may be used as approved by the Engineer.
- The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
- The approach transitions shall be no steeper than 6:1 and constructed as directed by the Engineer.
- The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.
- The construction exit should be graded to allow drainage to a sediment trapping device.
- The guidelines shown herein are suggestions only and may be modified by the Engineer.
- Construction exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for full width of the exit, or as directed by the engineer.

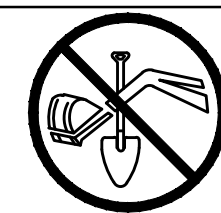


#### GENERAL NOTES

- The length of the type 3 construction exit shall be as shown on the plans, or as directed by the Engineer.
- The type 3 construction exit may be constructed from open graded crushed stone with a size of two to four inches spread a min. of 4" thick to the limits shown on the plans.
- The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
- The guidelines shown herein are suggestions only and may be modified by the Engineer.

## Construction Entrance/Exits

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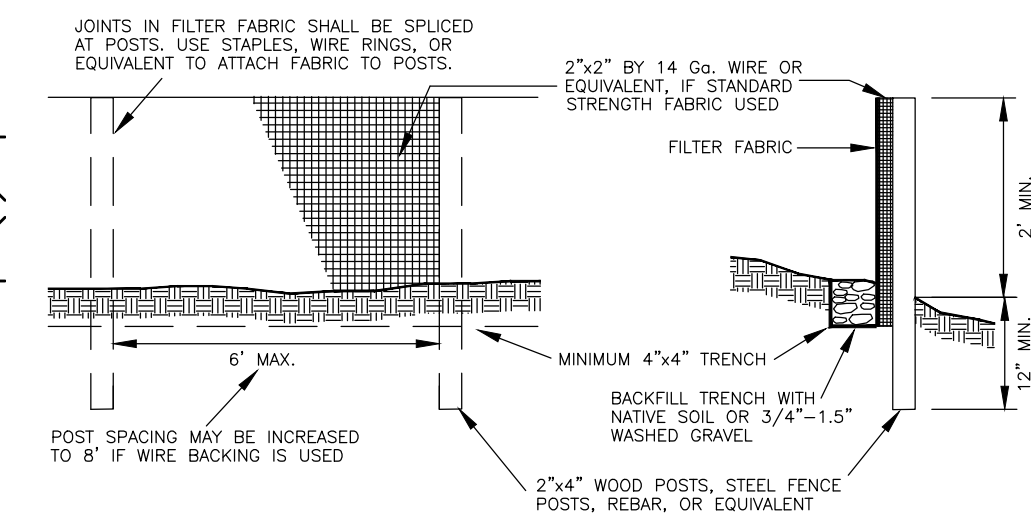
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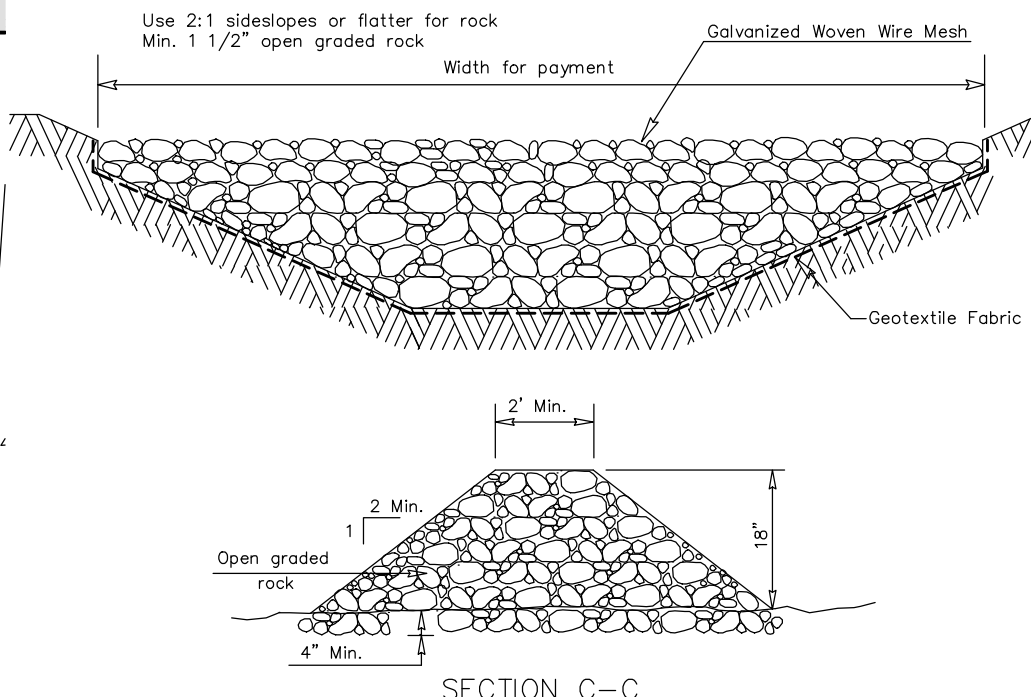
PROJECT # 21130.000

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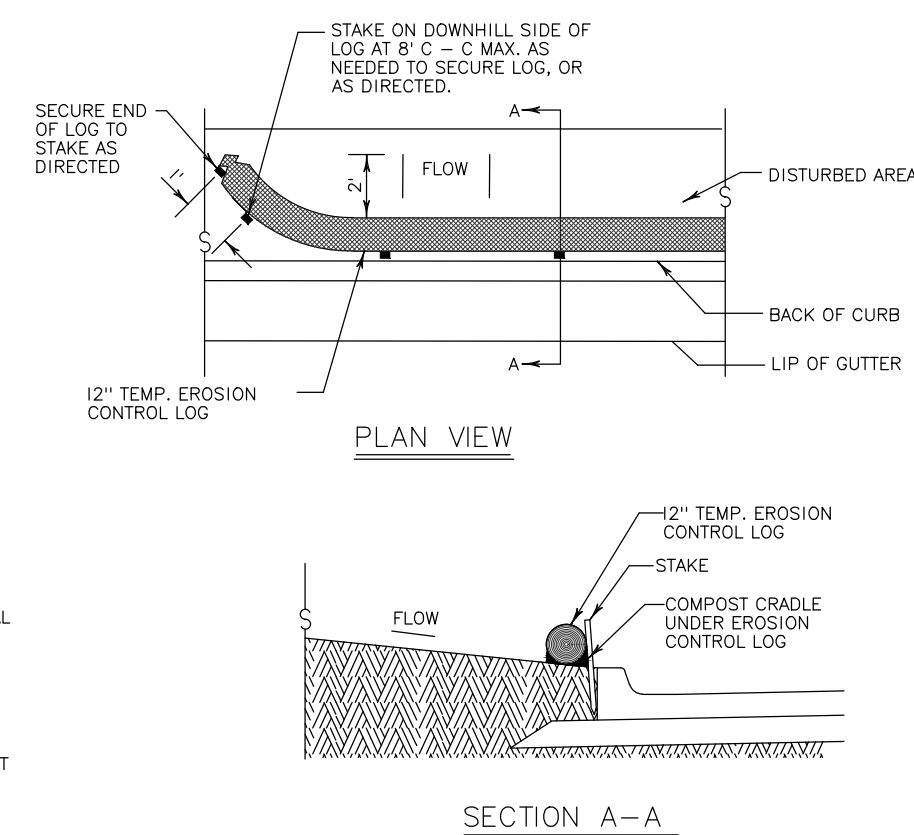
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## Silt Fence



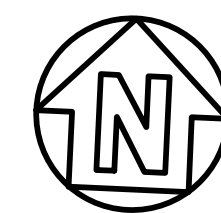
## Filter Dam At Channel Sections



## Log Placed at Edge of Pavement

#### LEGEND

- TEMP. CONSTRUCTION ENTRANCE
- ROCK BERM
- FILTER FABRIC SILT FENCE



## Erosion Control

Scale 1" = 10'



Bernardino D. Tristan  
Apr 18, 2022

## WEST BROOK AUXILIARY FIELD HOUSE

Beaumont Independent School District

Beaumont, TX 77706

8750 Phelan Blvd

ISSUED FOR SCHEMATIC DESIGN ☒  
DATE: 1/26/2021  
DESIGN DEVELOPMENT ☐  
DATE:  
BIDS & CONSTRUCTION ☒  
DATE: 4/18/2022  
REVISION:  
DATE:  
REVISION:  
DATE:  
REVISION:  
DATE:

DRAWINGS SHEET TITLE  
EROSION CONTROL PLAN

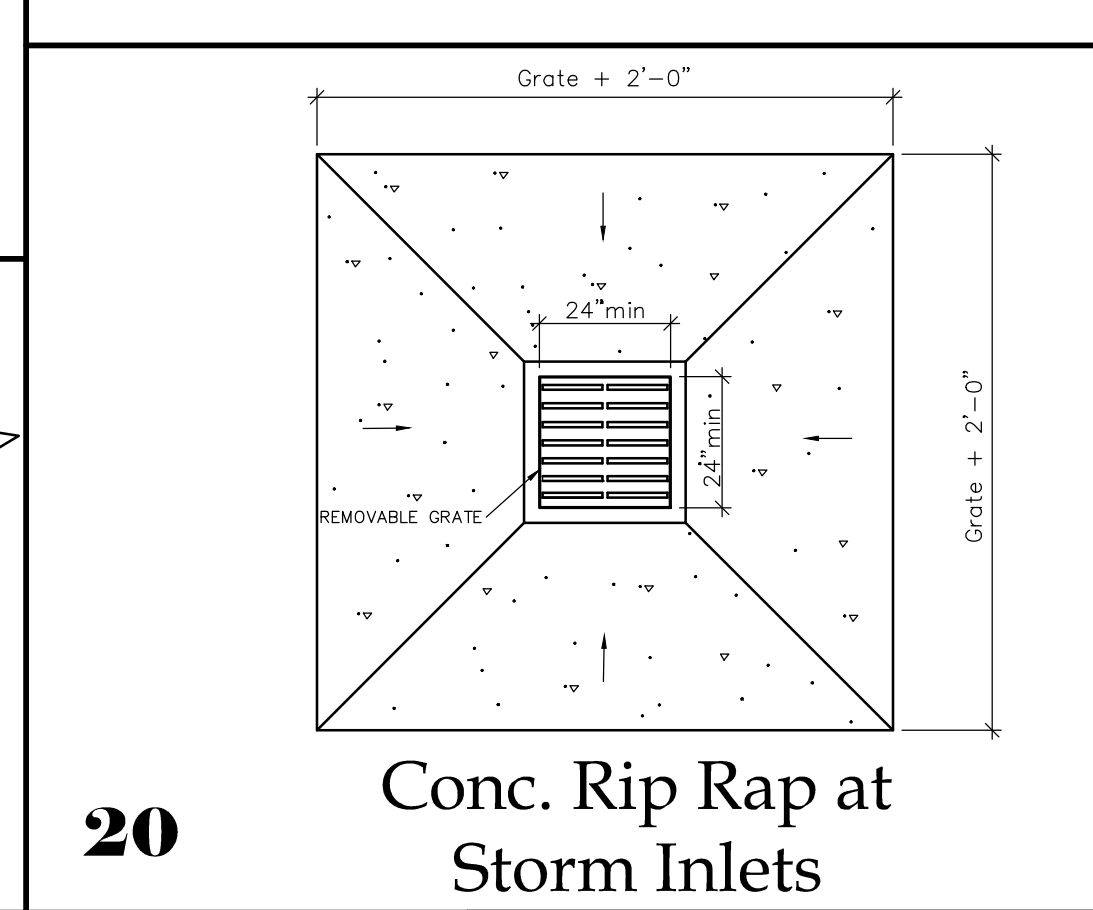
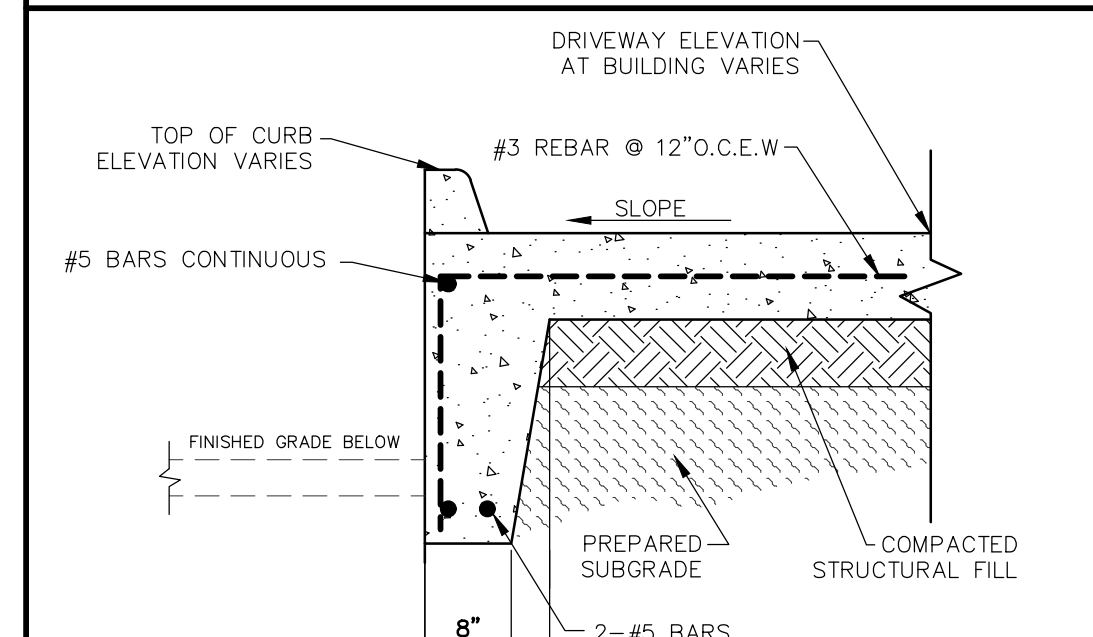
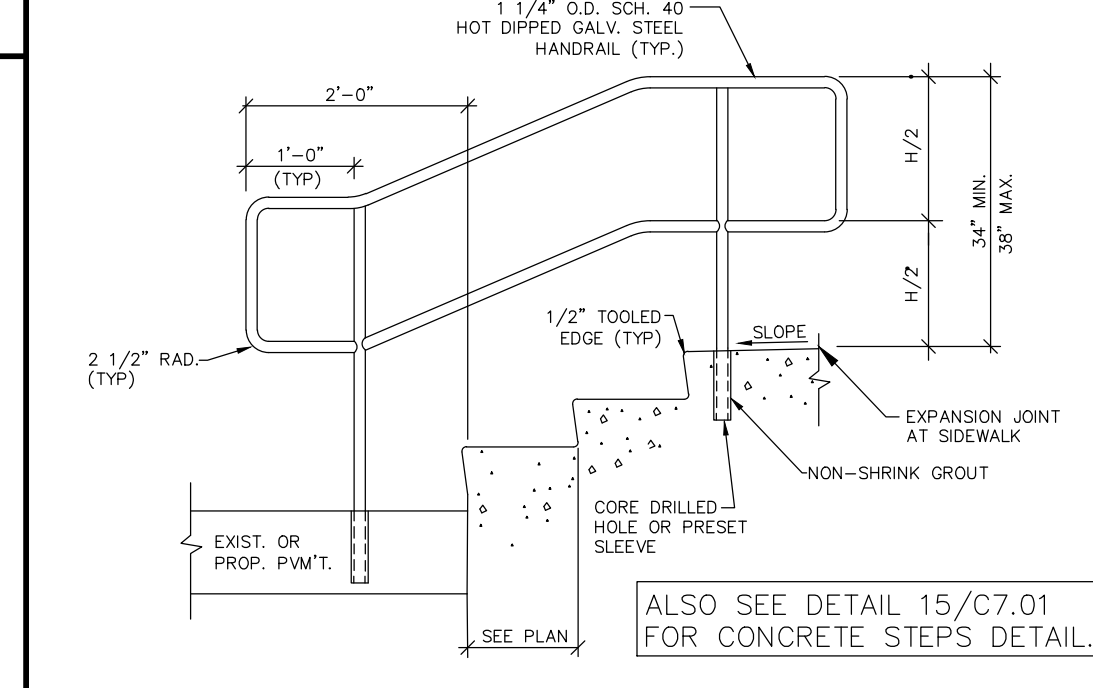
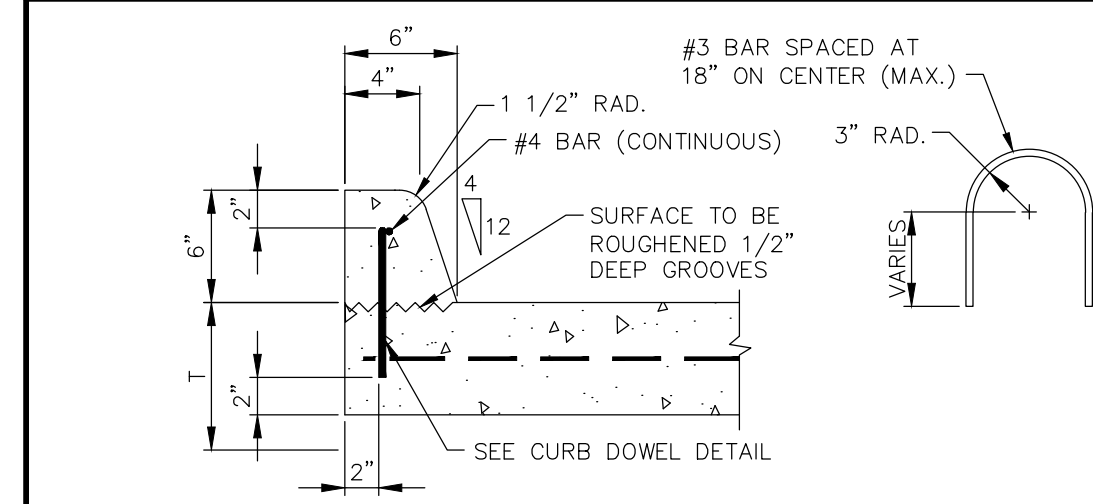
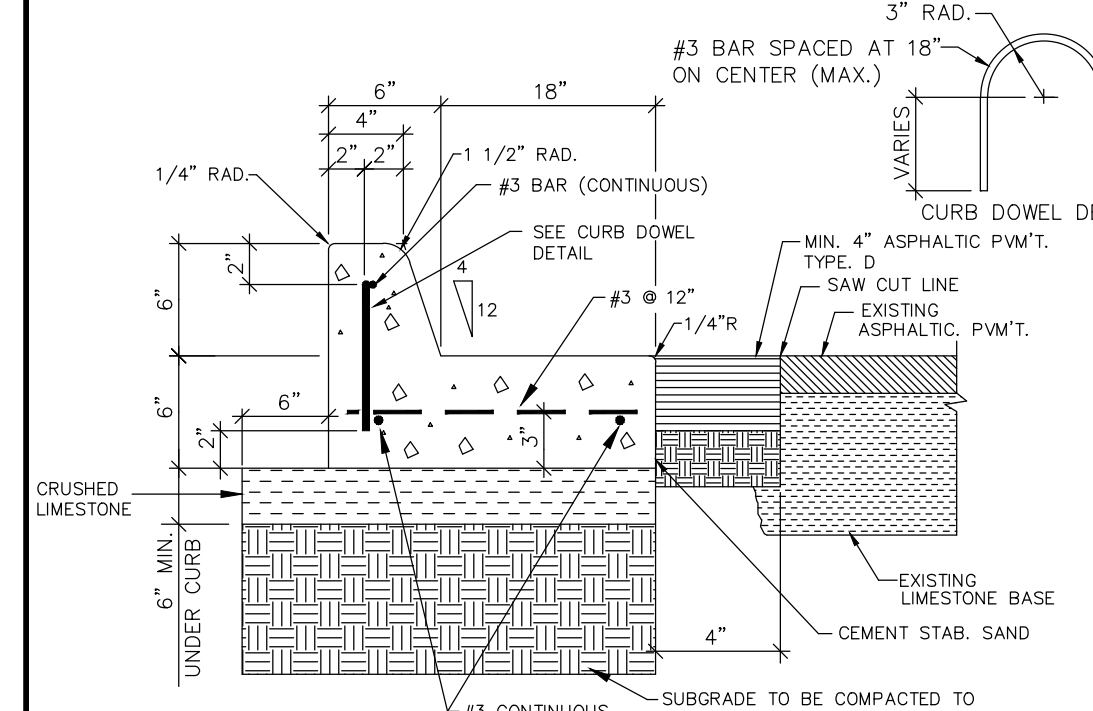
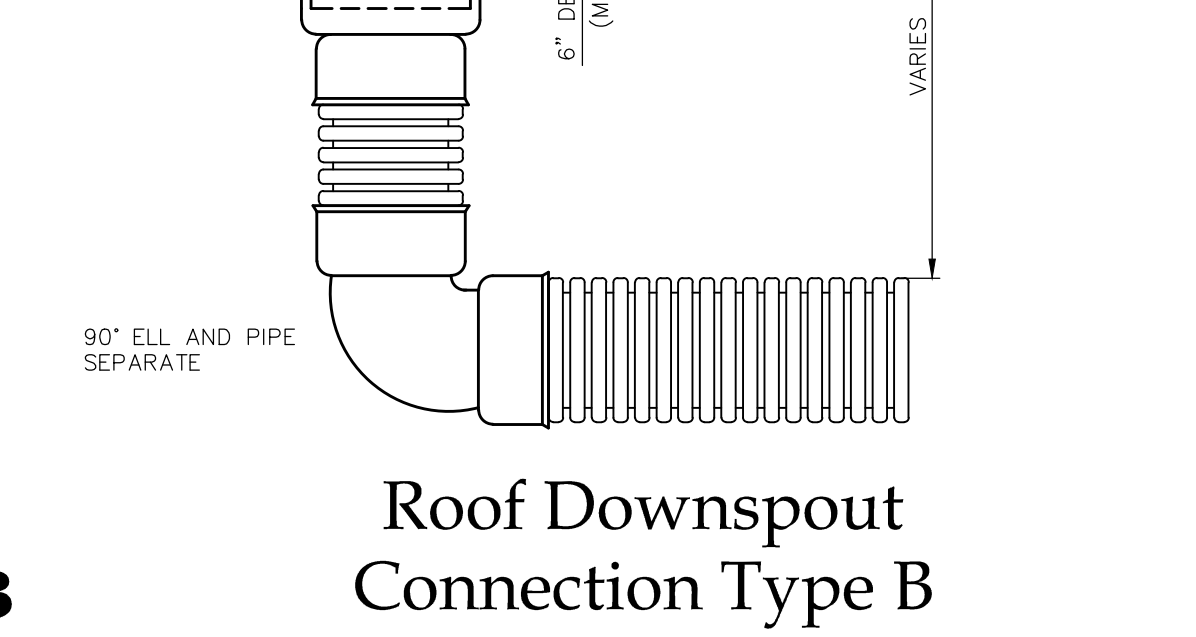
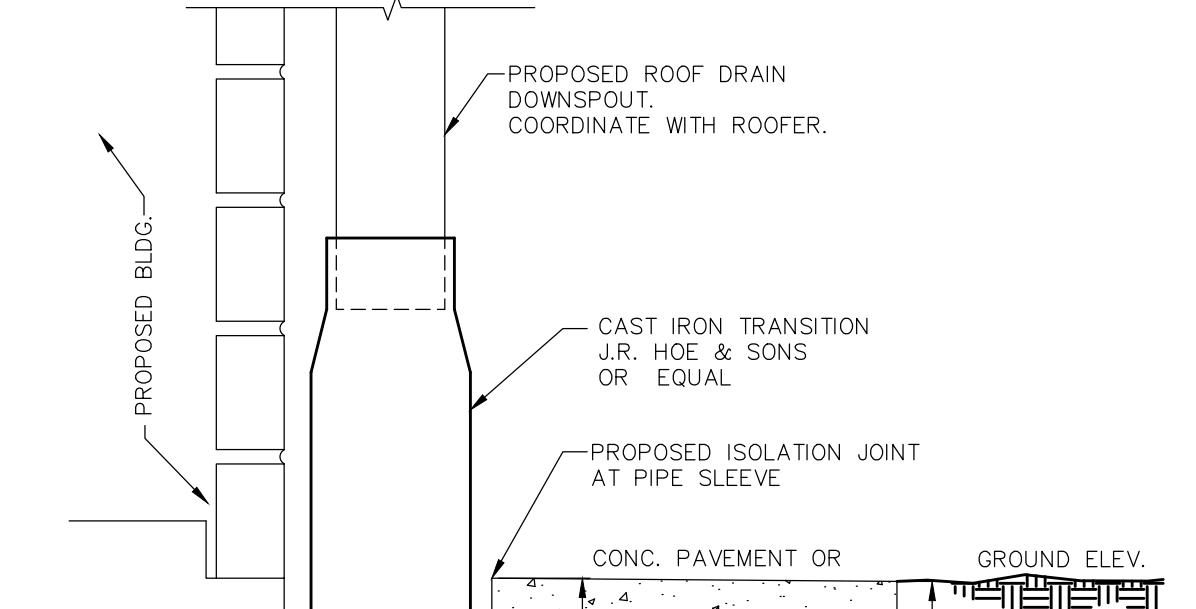
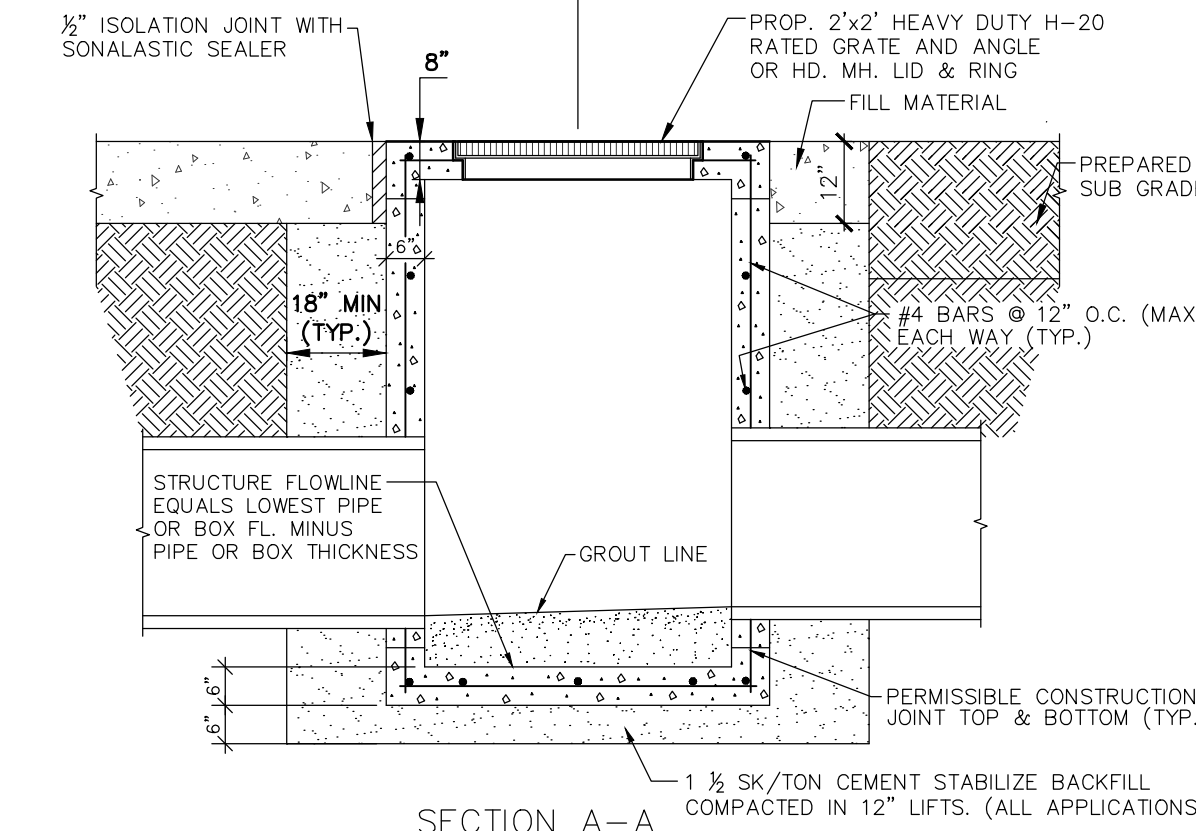
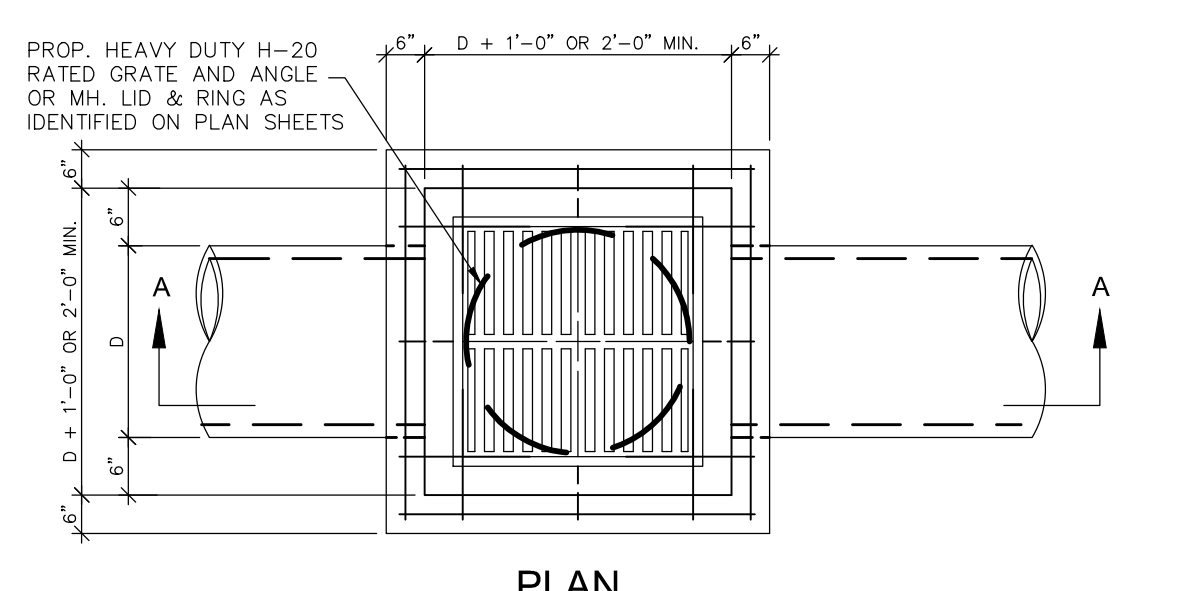
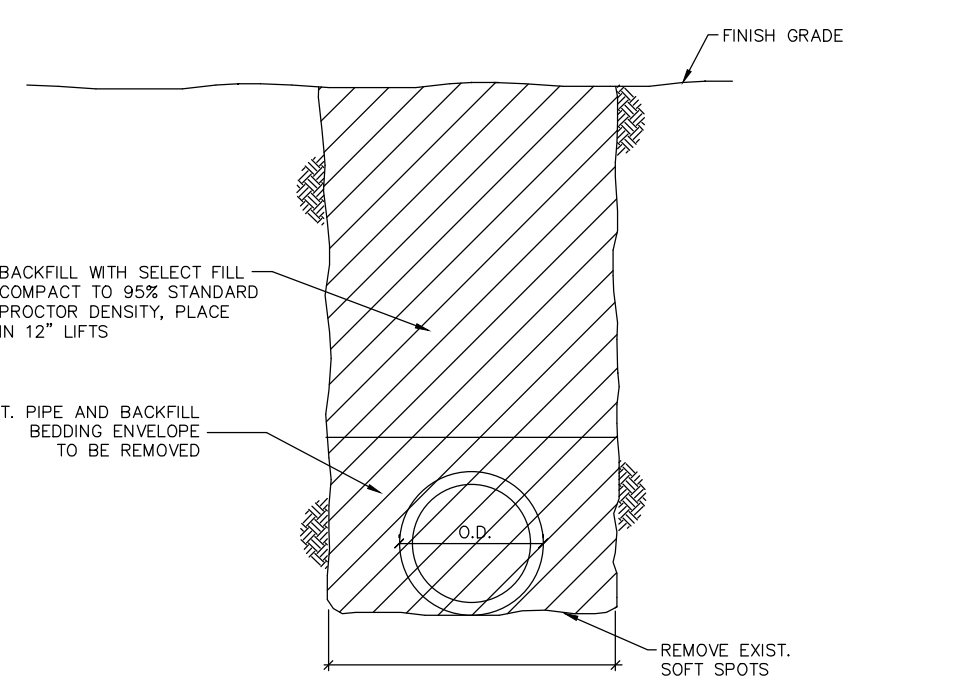
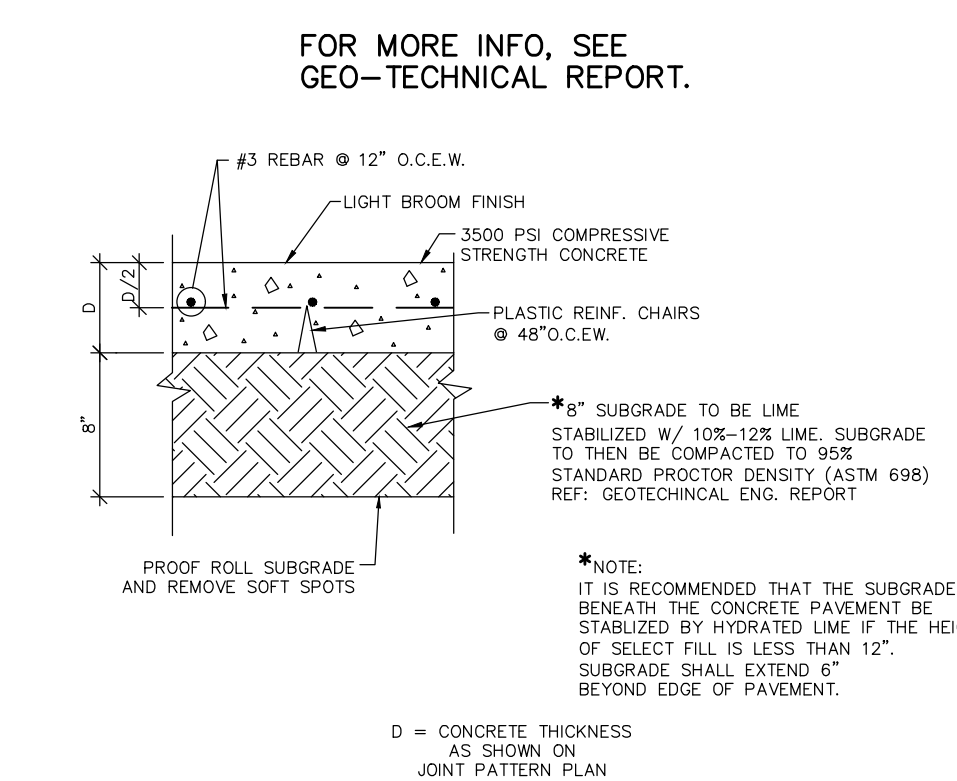
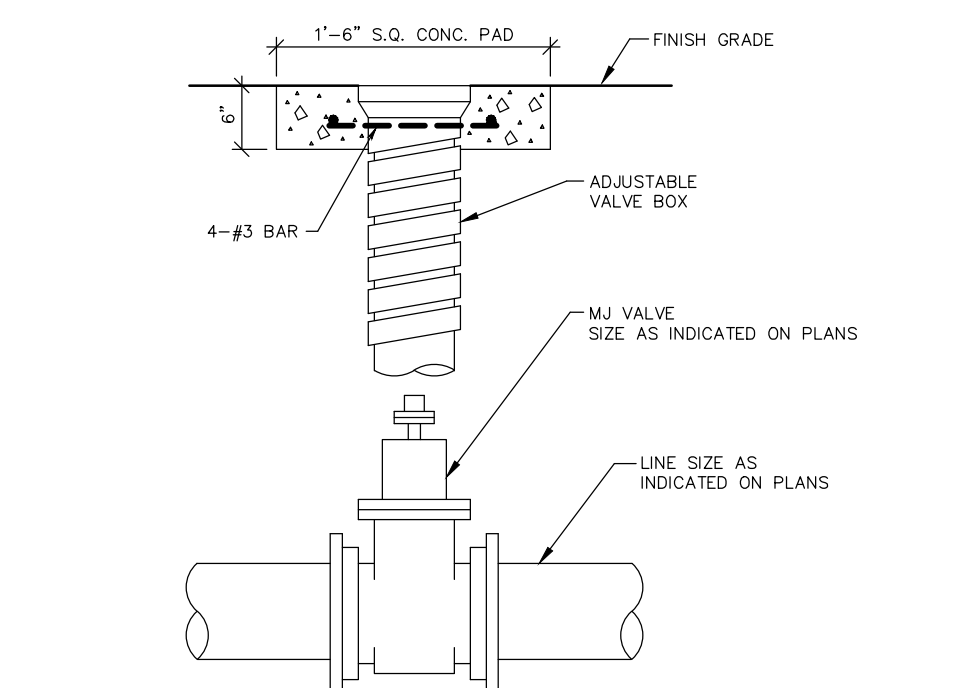
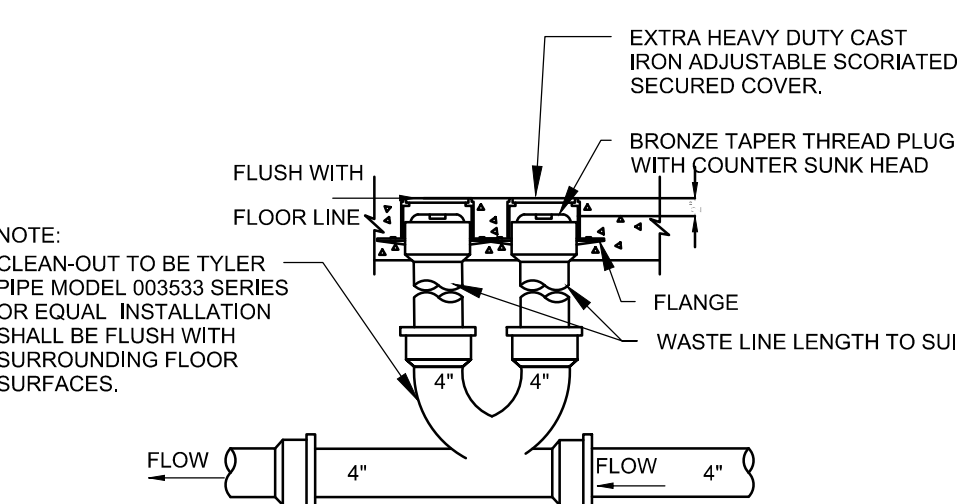
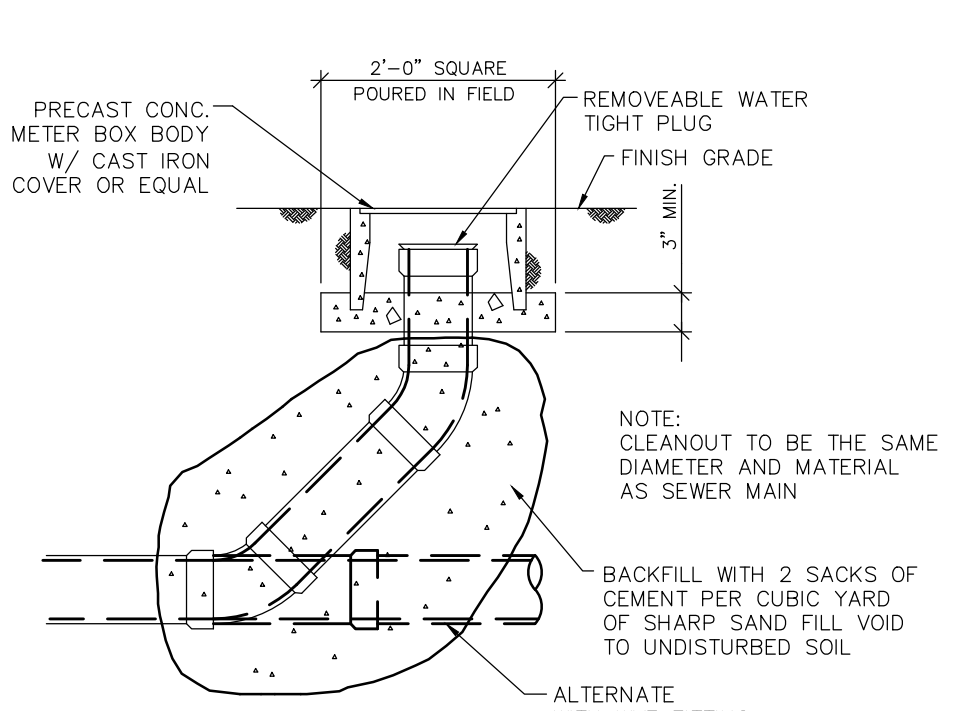
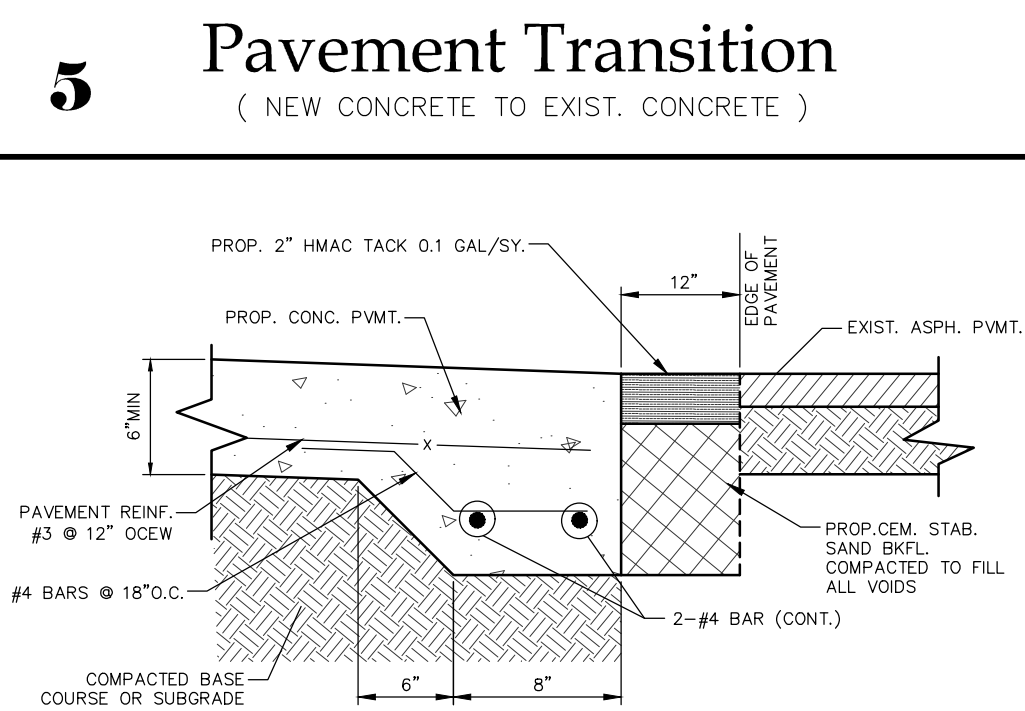
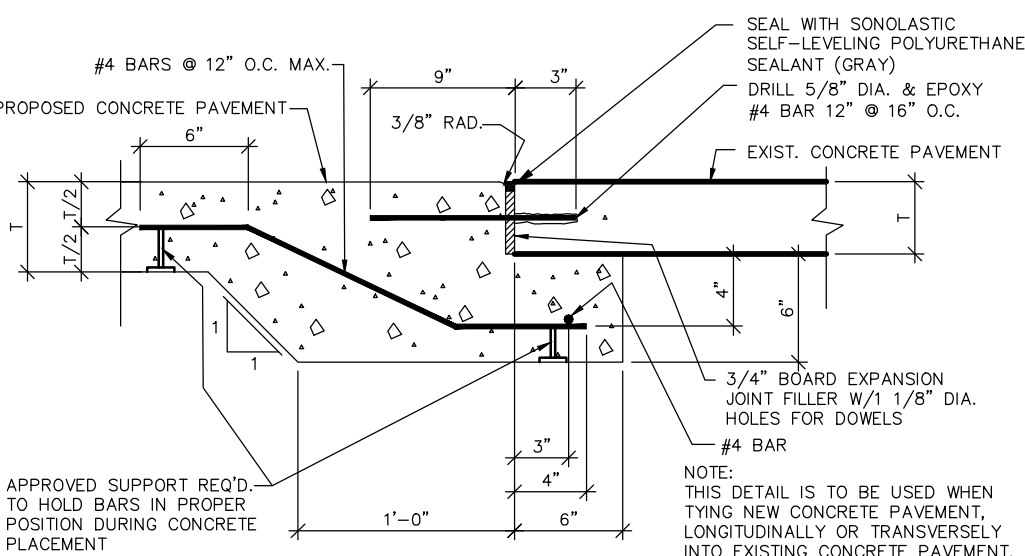
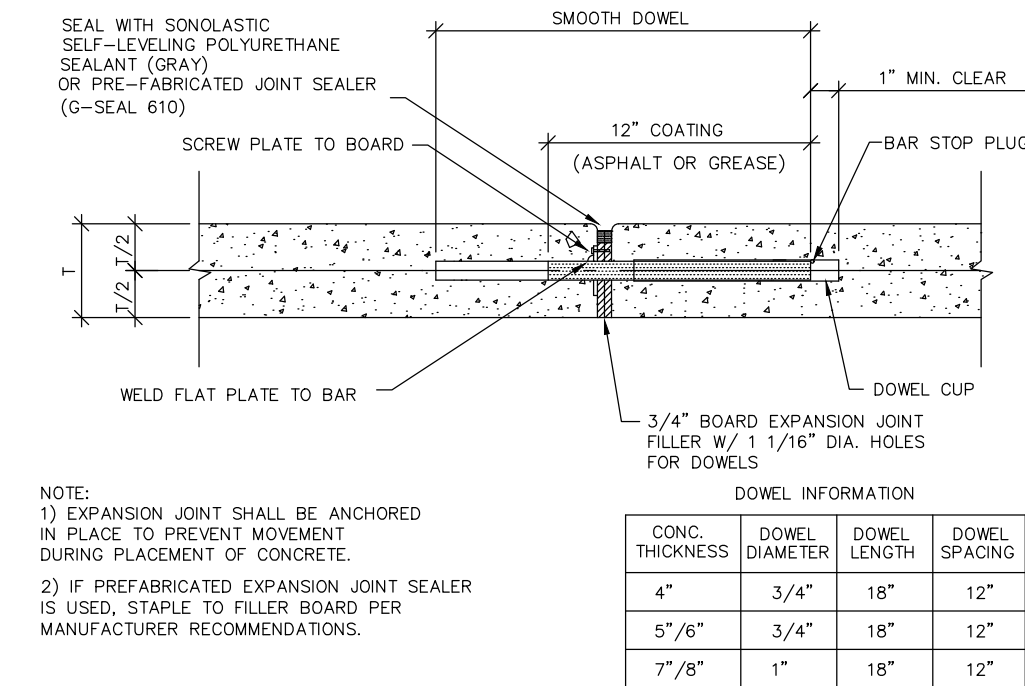
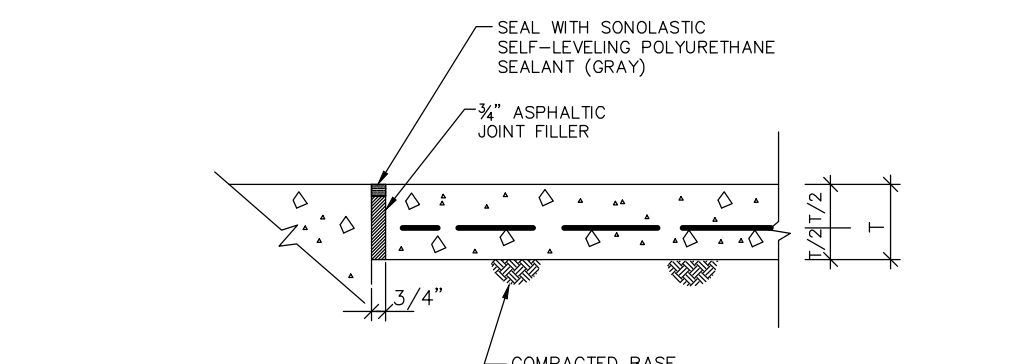
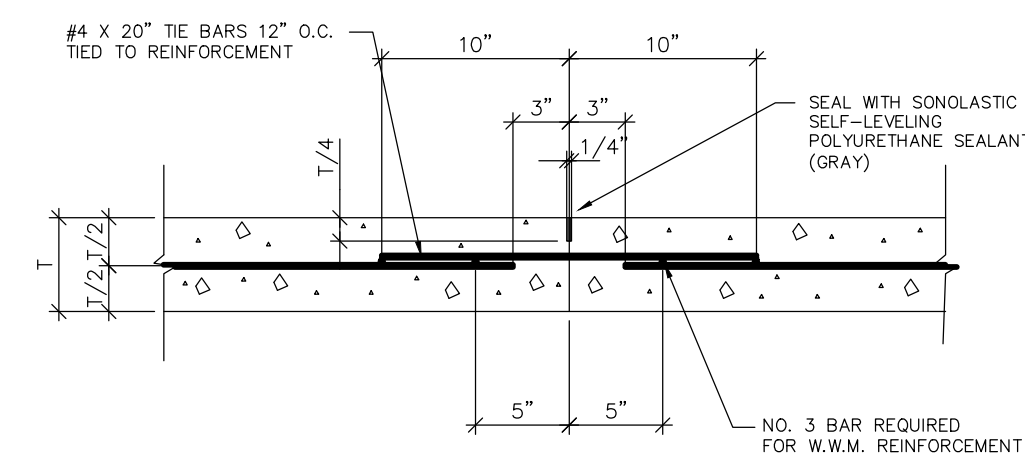
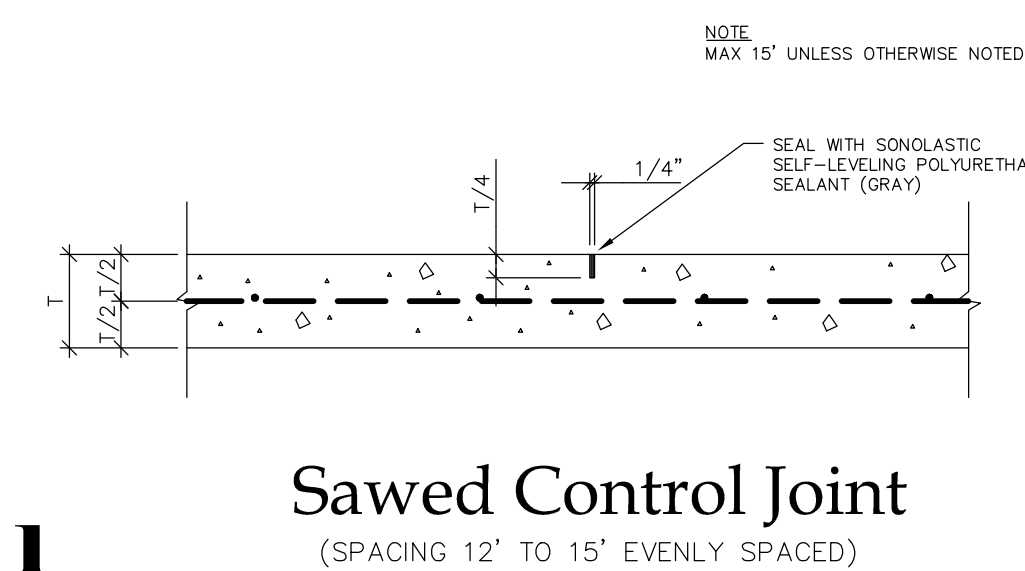
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C6.00  
PROJECT NUMBER  
21130



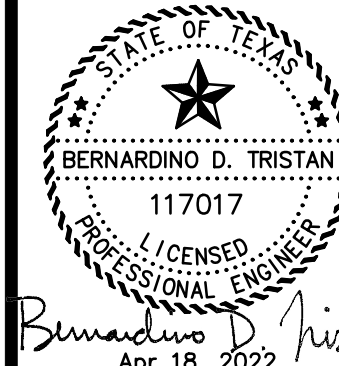
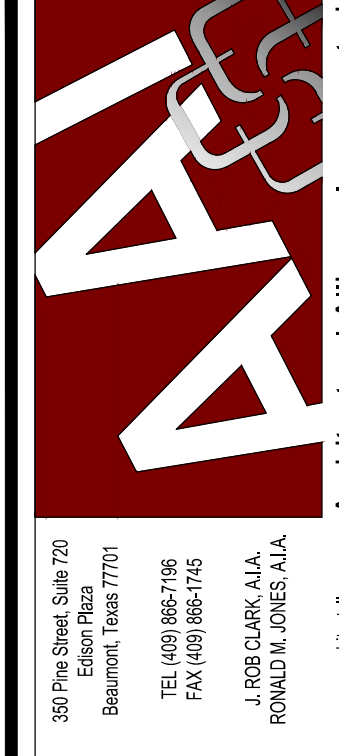




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- SPECIFICATION DATA**
- PAVING & DRAINAGE
    - SCAFFRY SUBGRADE TO A DEPTH OF 8 INCHES AND STABILIZE WITH 10%-12% HYDRATED LIME. COMPACT TO 95% STD PROCTOR DENSITY ASTM D-698 IN ACCORDANCE WITH TxDOT ITEM 260. CONTRACTOR TO PERFORM SOIL DENSITY TESTING FOR ALL ROADWAYS AND BACKFILLING DRAINAGE DITCH AT 8' LIFTS. ALL TESTING TO BE AT CONTRACTORS EXPENSE.
    - ALL CONCRETE FOR PAVING TO BE 3500 PSI COMPRESSIVE STRENGTH @ 28 DAYS. SAWING OF JOINTS SHALL BEGIN AS SOON AS WORKABLE AND SHALL BE COMPLETED BEFORE 24 HOURS HAVE ELAPSED. ANY RANDOM CRACKING OF THE PAVEMENT DUE TO INCOMPLETE SAWING OPERATIONS SHALL REQUIRE THE REMOVAL AND REPLACEMENT OF THE DAMAGED SECTION AT THE CONTRACTOR'S EXPENSE. BEAM SAMPLES SHALL BE MADE FOR CONCRETE PAVEMENT TESTING.
    - STEEL REINFORCEMENT FOR PAVEMENT SHALL BE GRADE 60 STEEL #3 REBAR @ 12" O.C.E.W. WITH PLASTIC REINFORCING SUPPORTS @ 48" O.C.E.W.
    - CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF CONCRETE PAVEMENTS TO PROPER THICKNESS AS PROVIDED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS. INSPECTION OF FORMS AND GRADING WILL BE CONDUCTED PRIOR TO PLACEMENT OF CONCRETE AND RANDOM CORE SAMPLES WILL BE CONDUCTED AFTER COMPLETION PER SPECIFICATIONS TO MEASURE THICKNESS. CONTRACTOR WILL HAVE ULTIMATE RESPONSIBILITY FOR PROPER CONCRETE PAVEMENTS.
    - EXPANSION JOINTS TO BE PLACED @ ALL RADIIUS RETURNS AND WHEN TYING INTO EXISTING PAVEMENTS.
    - STORM SEWER & CULVERT PIPE SHALL BE OF THE FOLLOWING MATERIALS:
      - AASHTO M294 SMOOTH WALL CORRUGATED POLYETHYLENE PIPE WITH LOCKING PUSH ON JOINTS SMOOTH INTERIOR WALL CORRUGATED POLYETHYLENE PIPE INSTALLED WITH BEDDING ACCORDING TO MANUFACTURERS RECOMMENDATIONS (8" - 42").
      - STORM PIPE, 12" DIAMETER OR SMALLER, CONNECTED TO ROOF DRAINS MAY BE SCHEDULE 40 PVC IN LIEU OF ADS N-12.
    - BACKFILL ALL HDPE PIPE ON SAME DAY AS INSTALLATION.
    - ALL EXPOSED CONCRETE CORNERS OF MANHOLES, INLETS, OR OTHER STRUCTURES SHALL BE CHAMFERED 1".
    - CONTRACTOR SHALL BACKFILL AROUND ALL MANHOLES, INLETS, AND CATCH BASINS, WITH CEMENT STABILIZED SAND COMPACTED TO FILL ALL VOID CEMENT STABILIZED SAND SHALL NOT CONTAIN LESS THAN 1 1/2 SACKS CEMENT PER TON OF TOTAL MIXTURE.
    - CONTRACTOR SHALL INCLUDE BACKFILL BEHIND CURB AND PROVIDE TOPSOIL FOR AREAS DISTURBED. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE SUBSIDIARY TO THE VARIOUS BID ITEMS.
    - EROSION CONTROL DEVICES TO CONTROL/CONTAIN SEDIMENT RUNOFF AND TO PREVENT TRACKING ONTO PUBLIC STREETS MUST BE PROPERLY INSTALLED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION AND MUST REMAIN IN PLACE UNTIL BUILDING ERECTION AND/OR PAVING WORK IS COMPLETE AND/OR ADEQUATE VEGETATION IS ESTABLISHED TO PREVENT EROSION OF SOILS INTO STREETS OR DRAINAGE SYSTEMS.
    - CONTRACTOR SHALL SUBMIT A TRAFFIC PLAN TO THE ENGINEER WHICH CONFORMS TO THE MOST CURRENT TMDOT.
    - OWNER SHALL PROVIDE A MINIMUM OF 1 (ONE) SET OF COMPRESSIVE STRENGTH TEST RESULT FOR EACH 100 CY. OF CONCRETE OR A FRACTION THEREOF. RE-TESTING FOR FAILED SAMPLES SHALL BE PAID FOR BY THE CONTRACTOR.
  - WATER
    - ALL WATER MAINS AND APPURTENANCES SHALL CONFORM TO THE CITY OF BEAUMONT SPECIFICATIONS AND STANDARDS.
    - SPACING OF WATER LINES AND SANITARY SEWERS WILL BE IN ACCORDANCE WITH THE FOLLOWING:
      - 30 T.A.C. SECTION 217.53 (d)(e)
      - 30 T.A.C. SECTION 290.44 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
    - WATER MAINS 4 INCH DIAMETER AND LARGER SHALL BE PVC PIPE AND SHALL CONFORM TO AWWA C-900, CLASS 150. WATER LINES LESS THAN 4 INCH DIAMETER SHALL BE PVC SDR-26 CLASS 160. WATER SERVICE LINES SHALL BE CLASS 200 PE TUBING. ALL FIRE WATER LINES SHALL BE RATED FOR 200 PSI.
    - VALVES SHALL BE AWWA C500 IRON - BODY GATE VALVES WITH NON-RISING STEM.
    - FITTINGS SHALL BE DUCTILE IRON AND CONFORM TO AWWA C110.
    - PRESSURE RATING OF VALVES, FITTINGS AND APPURTENANCES IS TO EQUAL OR EXCEED PRESSURE RATING OF ADJACENT WATER LINE.
    - PROVIDE ADEQUATE THRUST BLOCKING TO WITHSTAND TEST PRESSURES. CONCRETE SHALL BE 5 SACKS/C.Y. MIN 3,000 PSI @ 28 DAYS.
    - PRESSURE TESTING AND STERILIZATION OF WATER MAINS SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF BEAUMONT ITEM 808 AND AWWA C851 UNDER SUPERVISION OF THE CITY OF BEAUMONT. CONTRACTOR SHALL GIVE MIN. 24 HOURS NOTICE TO THE CITY OF BEAUMONT AND SHALL PERFORM PRESSURE TESTS AND STERILIZATION AND FURNISH ALL MATERIALS AND EQUIPMENT FOR SAME. THE CITY WILL BE RESPONSIBLE FOR BACTERIOLOGICAL SAMPLES AND TESTING.
    - ALL WATER TRENCHES CROSSING BENEATH THE PAVING SHALL BE BACKFILLED WITH A CEMENT STABILIZED BACKFILL MATERIAL FROM TOP OF SAND ENVELOPE ENCASMENT TO THE BOTTOM OF PAVEMENT GRADE. CEMENT STABILIZED SAND SHALL NOT CONTAIN LESS THAN 2 SACKS PER CUBIC YARD OF TOTAL MIXTURE. PER CITY OF BEAUMONT SPECIFICATION ITEM 02317 SPECIFICATIONS FOR EXCAVATION & BACKFILL FOR UTILITIES.
    - PLUMBER TO MAKE FINAL TIE-IN TO METER.
    - ALL WATER AND SANITARY SEWER LINES WILL BE TESTED PRIOR TO CITY ACCEPTANCE.
    - ALL SERVICE LINES TO BE INSTALLED PER CITY OF BEAUMONT BUILDING CODES.
    - FIRE HYDRANTS TO BE AMERICAN DARLING B-84-B, PER CITY OF BEAUMONT SPECIFICATION ITEM 808, FIRE HYDRANTS.
    - WATER METER PROVIDED AND INSTALLED BY CITY OF BEAUMONT AT CONTRACTORS EXPENSE. CONTRACTOR SHALL STAKE LOCATION OF WATER METERS AS REQUIRED BY CITY OF BEAUMONT PRIOR TO INSTALLATION.
  - WASTEWATER
    - ALL SANITARY SEWER PIPE, MANHOLES, APPURTENANCES AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS OF THE CITY OF BEAUMONT AND CITY OF BEAUMONT STANDARDS AND SPECIFICATIONS.
    - AN AIR PRESSURE TEST OF ALL SANITARY SEWER LINES WILL BE PERFORMED IN ACCORDANCE WITH THE CITY OF BEAUMONT SPECIFICATION ITEM 02317 SPECIFICATIONS FOR EXCAVATION AND BACKFILL FOR UTILITIES. THE CITY OF BEAUMONT SHALL BE GIVEN 24 HOURS ADVANCE NOTICE OF THE PRESSURE TESTS AND SHALL OBSERVE THE TESTS TO MEET THE REQUIREMENTS OF THE CITY OF BEAUMONT SPECIFICATIONS BEFORE SANITARY SEWER LINE IS CONSIDERED ACCEPTABLE.
    - ALL SANITARY SEWER TRENCHES CROSSING BENEATH ROAD PAVING SHALL BE BACKFILLED WITH CEMENT STABILIZED BACKFILL MATERIAL FROM THE BOTTOM OF TRENCH TO THE BOTTOM OF PAVEMENT GRADE. CEMENT STABILIZED SAND SHALL NOT CONTAIN LESS THAN 2 SACKS CEMENT PER CUBIC YARD, PER CITY OF BEAUMONT SPECIFICATION ITEM 02317 SPECIFICATIONS FOR EXCAVATION & BACKFILL FOR UTILITIES.
    - ALL CITY OF BEAUMONT COLLECTOR GRAVITY SEWER PIPE LINES SHALL BE ASTM D-3034, SDR-26 PVC PER CITY OF BEAUMONT STANDARD SPECIFICATION ITEM 702 SPECIFICATIONS FOR PVC GRAVITY SEWER PIPE AND FITTINGS. ALL SERVICE LINES SHALL BE SCH-40 PVC.
    - ALL CONCRETE SHALL BE CLASS "A" (5 SACK, 3000 PSI @ 28 DAYS)
    - ALL REINFORCING SHALL BE GRADE 60
    - CONTACT CITY OF BEAUMONT MINIMUM 48 HOURS FOR WATER & SEWER INSPECTIONS.
- CITY OF BEAUMONT WATER/SEWER CONTACTS:  
BLAINE DISHMAN (409) 785-3017  
WATER/SEWER (409) 785-3019



WEST BROOK AUXILIARY FIELD HOUSE  
Beaumont Independent School District  
8750 Phelan Blvd

ISSUED FOR SCHEMATIC DESIGN ☒  
DATE: 1/26/2021  
DESIGN DEVELOPMENT ☐  
DATE:  
BIDS & CONSTRUCTION ☒  
DATE: 4/18/2022  
REVISION:  
DATE:  
REVISION:  
DATE:  
REVISION:  
DATE:

DRAWINGS SHEET TITLE  
GENERAL NOTES AND DETAILS

SHEET NUMBER  
C7.01  
PROJECT NUMBER  
21130



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