

July 1M, 2019

Hanna ECHS New Gymnasium Facility – CSP 20-110

GOMEZ MENDEZ SAENZ, INC.
1150 PAREDES LINE RD.
BROWNSVILLE, TEXAS 78526
(956) 546-0110



ADDENDUM NO. 4

A. PURPOSE AND INTENT

This addendum is issued for the purpose of modifying the plans and specifications for the Hanna ECHS New Gymnasium Facility – CSP 20-110.

This addendum shall become part of the contract and all CONTRACTORS shall be bound by its content. All aspects of the specifications and drawings not covered herein shall remain the same.

The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this Addendum.

B. SCOPE

I. CLARIFICATIONS:

1. Reference attached Structural items.

II. SPECIFICATIONS:

1. N/A

III. PLANS:

1. Reference Attached Civil drawings for addenda items.

Civil Addendum Items: See Attached Information (4 Pages)

Structural Addendum items: See attached information (1 page)

End of Addendum 4

GREEN, RUBIANO & ASSOCIATES

Structural Engineers
Firm Registration #: F-4145

1220 West Harrison
Harlingen, Texas 78550
(956) 428-4461
Fax (956) 428-0287

Project Memorandum

Date: July 10, 2019

To: Mr. David Monreal, A.I.A.
GMS Architects
Brownsville, TX

GRA Project#: 192-511

Project: BISD Hanna ECHS Gymnasium Facility

Re: Structural Addendum #4

Please reference below for revision to metal roof deck gauge:

1. At all locations listed on the drawings, specifications and on previously issued structural addenda, substitute a 1.0 CSV **22 Gauge** galvanized metal roof deck by Vulcraft or approved equal, in lieu of the 1.0 CSV 26 Gauge galvanized metal roof deck specified.

Please feel free to contact us if you have any questions.

Sincerely,



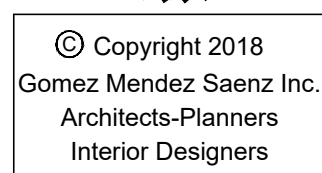
Heriberto Cavazos, P.E.

C.c. Rolando Borrayo & Isaac Ochoa (GMS)
Cristian Guajardo, E.I.T. (GRA)



GMS ARCHITECTS

BISD Hanna ECHS
Gymnasium Facility

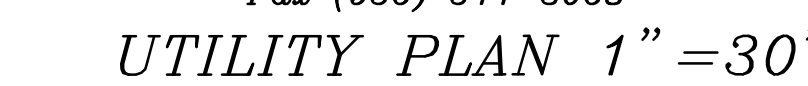


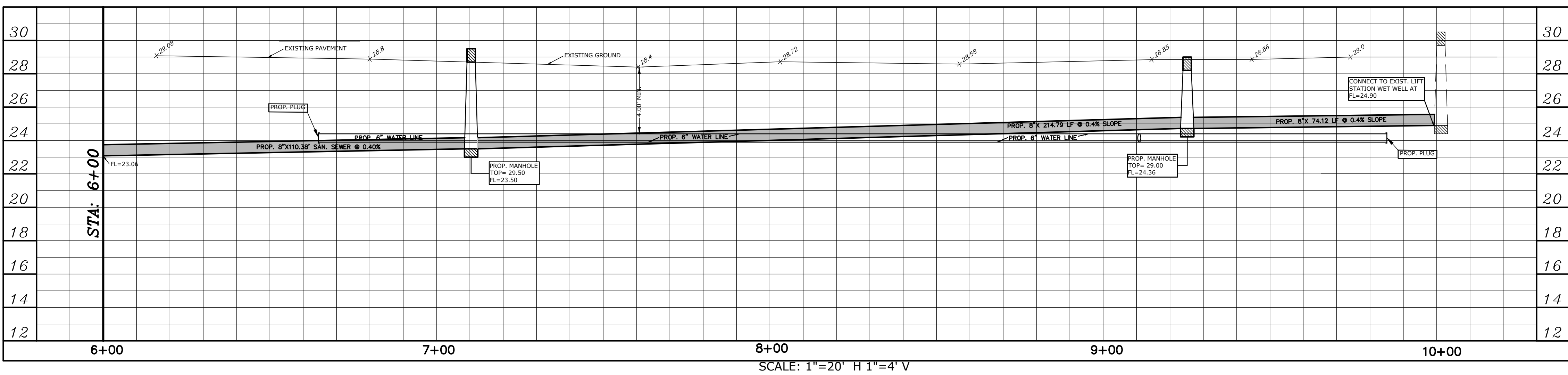
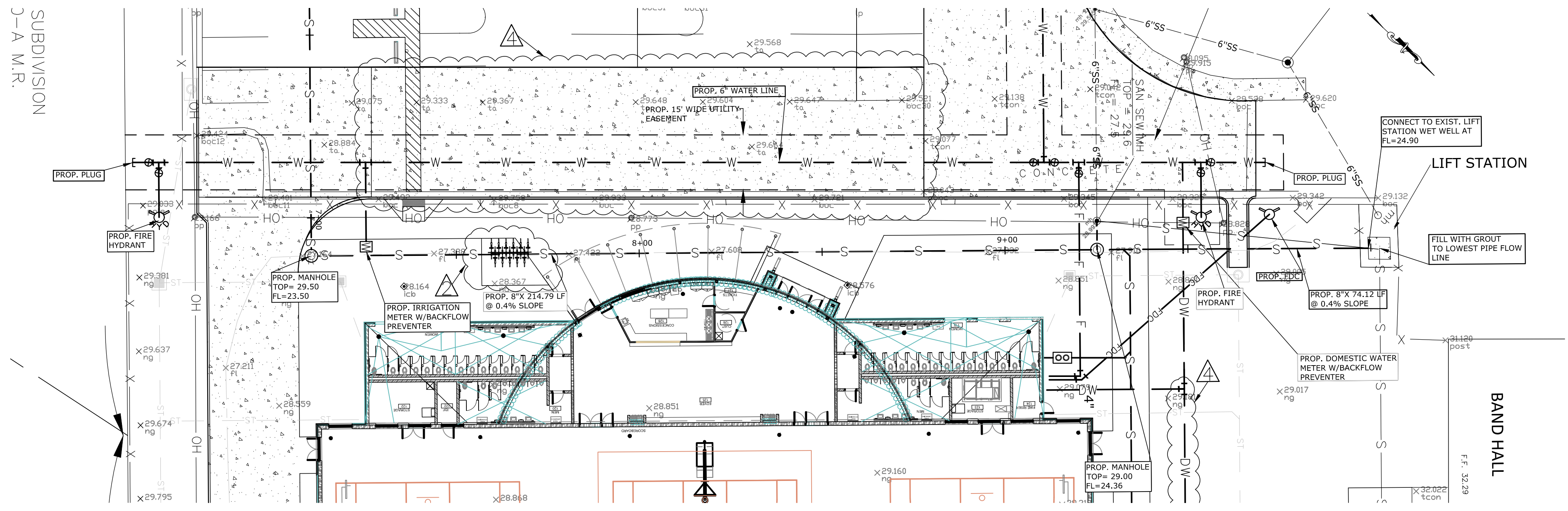
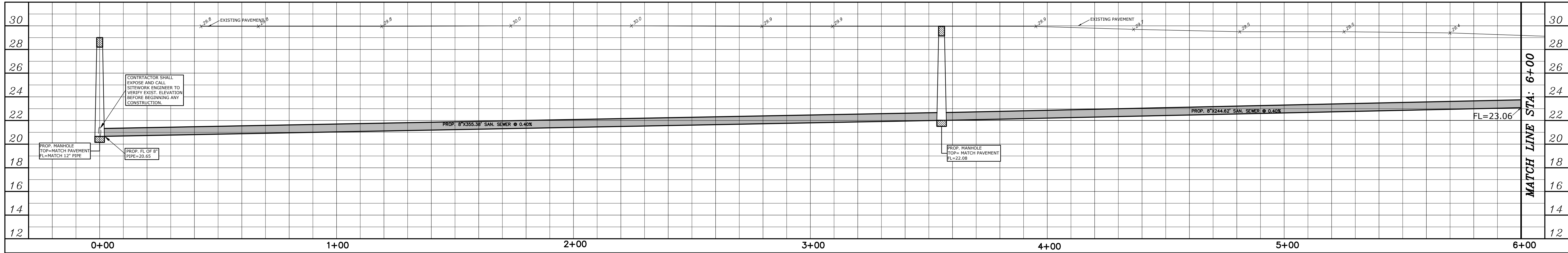
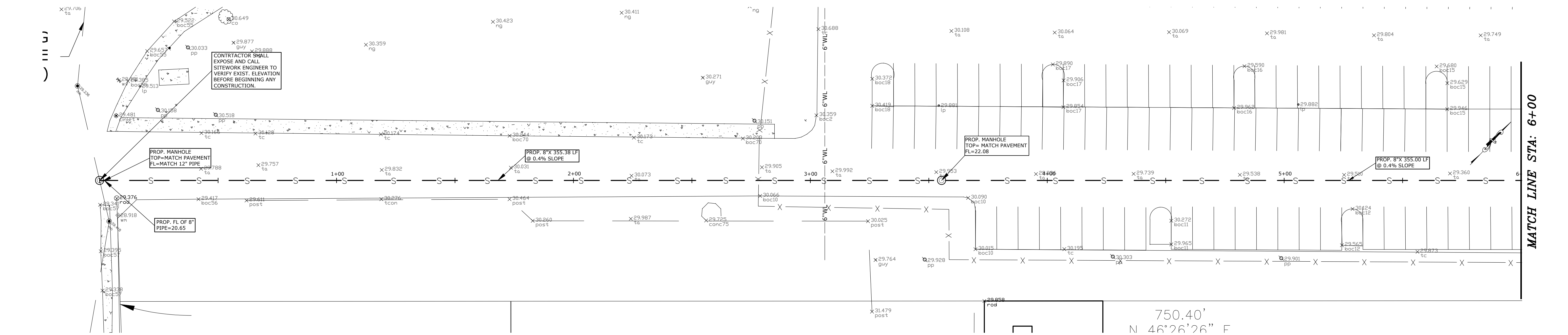
C-2
OF **C-7**

NOTES:

- ①- ALL SANITARY SEWER LINES TO BE PVC SDR-35
- ②- ALL MATERIALS 4" & LARGER SHALL BE PVC SCH 40 DR-25 PIPE.
- ③- WATERLINE SMALLER THAN 4" SHALL BE PVC SCH 40 PIPE.
- ④- SEE ME DRAWINGS FOR EXACT POINT OF CONNECTION FOR WATER (W) AND FIRE (F) (SEE ⑤) LINES AT BUILDINGS.
- ⑤- GAS VALVES SHALL BE INSTALLED ON ALL WATERLINES GOING INTO BUILDINGS.
- ⑥- ALL SANITARY SEWER LINES ARE TO BE INSTALLED AT ITS SLOPE OR BETTER WITHIN 10' OF SPACING REQUIRED BY CODE. EXCEPT NOT ALL REQUIRED CLEAN CUTS ARE SHOWN HEREIN. EXCEPT WHERE SHOWN AT ENDS OF LINES, ALL LINES SHALL BE 10' OR GREATER WITH CLEAN CUTS AT SPACING REQUIRED BY CODE. EXCEPT WHERE SHOWN AT ENDS OF LINES.
- ⑦- ALL SANITARY SEWER LINES ARE TO BE INSTALLED AT 4.00% SLOPE WITHIN 10' OF SPACING REQUIRED BY CODE. EXCEPT WHERE SHOWN AT ENDS OF LINES FOR FUTURE EXTENSION.
- ⑧- PRO- CONCEPT TO EXISTING WATER LINE AND SANITARY SEWER LINE PER BROWNSVILLE PUBLIC UTILITIES BOARD REQUIREMENTS

CONTRACTOR SHALL VERIFY ELEVATION OF SANITARY SEWER LINE AND WATERLINE TO BUILDINGS PRIOR TO CONSTRUCTION AND PRIOR TO CONSTRUCTION OF ELEVATIONS. ALL PERMIT, FEES, INSPECTION FEES, WATER FEES IMPACT FEES, AND OTHER FEES ASSOCIATED WITH WATER AND SEWER SERVICE, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

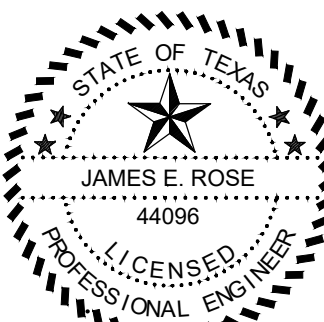




Mejia & Rose, Incorporated
Engineering Surveying
T.B.P.E. Reg. No. F-2670
T.B.P.L.S. Reg. No. 10023900
1643 West Price Road (956) 544-3022
P.O. Box 3761 Brownsville, Texas 78520
Fax (956) 544-3068

UTILITY PROFILE 1"=20'

BISD Hanna ECHS
Gymnasium Facility



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JAMES E. ROSE, P.E. 44096 6/2/19 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE LAW

© Copyright 2018 Gomez Mendez Saez Inc. Architects-Planners Interior Designers
Date: June, 2019
Scale: As Noted
Project Architect: David Monreal, AIA
Drawn By: [Signature]
Job No: BISD Hanna Gymnasium
Sheet: **C-2.1** OF C-7

25 YEAR STORM									
FIVE-DEVELOPMENT RUNOFF RATE (cfs/acre)									
Runoff	Time of Conc.	Intensity	Area	Runoff	Coef.	Discharge			
(cfs)	(min)	(in/hr)	(ac)	(cfs)		(cfs)			
Overall	80	2.20	21.368	2.37		18.46			

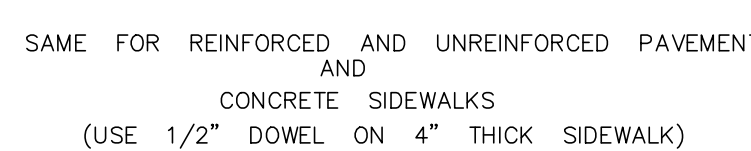
DETENTION CALCULATION SHEET									
Runoff	Storm	Rainfall	Drainage	Inflow	Release	Storage	Storage		
Factor	Duration	Intensity	Area	Rate	Rate	Rate	Rate		
(c)	(hr)	(in/hr)	(ac)	(cfs)	(cfs)	(cfs)	(cfs)		
0.04	0.17	7.90	4.000	26.54	5.94	20.60	0.393		
0.04	0.33	6.50	4.000	21.84	5.94	15.90	0.437		
0.04	0.50	5.50	4.000	18.46	5.94	12.54	0.533		
0.04	0.67	4.85	4.000	16.30	5.94	10.36	0.578		
0.04	0.83	4.25	4.000	14.28	5.94	8.34	0.627		
0.04	1.00	3.80	4.000	13.10	5.94	7.16	0.677		
0.04	1.17	3.40	4.000	12.08	5.94	6.14	0.727		
0.04	1.33	3.00	4.000	11.10	5.94	5.19	0.778		
0.04	1.50	2.70	4.000	10.28	5.94	4.39	0.827		
0.04	1.67	2.40	4.000	9.52	5.94	3.64	0.877		
0.04	1.83	2.10	4.000	8.80	5.94	2.94	0.927		
0.04	2.00	1.90	4.000	8.10	5.94	2.29	0.977		
0.04	2.17	1.70	4.000	7.42	5.94	1.69	1.027		
0.04	2.33	1.50	4.000	6.78	5.94	1.12	1.077		
0.04	2.50	1.30	4.000	6.18	5.94	0.59	1.127		
0.04	2.67	1.10	4.000	5.62	5.94	0.00	1.177		
0.04	2.83	0.90	4.000	5.10	5.94	-0.73	1.227		
0.04	3.00	0.80	4.000	4.60	5.94	-1.24	1.277		
0.04	3.17	0.70	4.000	4.12	5.94	-1.70	1.327		
0.04	3.33	0.60	4.000	3.68	5.94	-2.14	1.377		
0.04	3.50	0.50	4.000	3.28	5.94	-2.56	1.427		
0.04	3.67	0.40	4.000	2.90	5.94	-2.95	1.477		
0.04	3.83	0.30	4.000	2.56	5.94	-3.32	1.527		
0.04	4.00	0.20	4.000	2.24	5.94	-3.68	1.577		
0.04	4.17	0.10	4.000	1.94	5.94	-4.03	1.627		
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0.04	4.50	0.00	4.000	1.40	5.94	-4.70	1.727		
0.04	4.67	0.00	4.000	1.16	5.94	-5.02	1.777		
0.04	4.83	0.00	4.000	0.94	5.94	-5.33	1.827		
0.04	5.00	0.00	4.000	0.74	5.94	-5.64	1.877		
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0.04	8.33	0.00	4.000	0.00	5.94	-11.64	2.877		
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0.04	18.50	0.00	4.000	0.00	5.94	-29.94	5.927		
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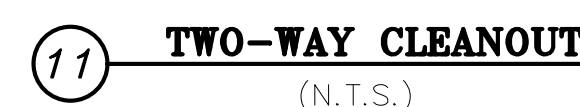
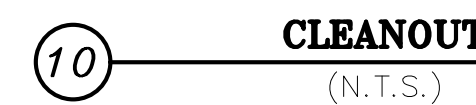
③ CONCRETE PAVEMENT



7 CONCRETE SPILLWAY

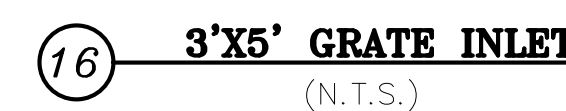


17 — *OVERLAY*
CROSS SECTION
N.T.S.



15 HEADWALL

13 3'X3' GRATE INLET
(N.T.S.)



DETAIL SHEET