



**CONSENT AGENDA
DRAINAGE DISTRICT
BOARD OF DIRECTORS**

August 9, 2016

9:45 A.M.

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a SPECIAL MEETING of the Drainage District #1 Board of Directors will be held in the Commissioners' Courtroom of the Administration Building, 100 E. Cano, 1st floor, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

**NOTICE TO THE PUBLIC
CONSENT AGENDA**

The following items are of a routine or administrative nature. The Drainage District #1 Board has been furnished with background and support on each item, and/or it has been discussed at a previous meeting. All items will be acted upon by one vote without being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon. The remaining items will be adopted by one vote.

1. Approval of check register and payment of claims and bills - County Treasurer
2. **AI -55618** Discharge Permit
R.E. Garcia, P.E. & Associates- Jardin Del Sur Subdivision (Northern Outfall)
3. **AI -55619** Discharge Permit
R.E. Garcia & Associates- Jardin Del Sur Subdivision (Western Outfall)
4. **AI -55620** Discharge Permit
Quintanilla, Headley & Associates, Inc.- Sommerset Court Estates Subdivision
5. **AI -55622** Discharge Permit
Quintanilla, Headley & Associates, Inc.- San Patricio Subdivision
6. **AI -55623** Discharge Permit
Quintanilla, Headley & Associates, Inc.- Kenyon Vegas Ranches

7. **AI -55660** Crossing Permit
City of Mission c/o Melden & Hunt, Inc.- Propose to place a 200 L.F. of 12" PVC forcemain to be bored & Encased in 200 L.F. of 20"x 7/16" steel casing within HCDD1 Drainage facility ROW approximately 740 ft. south of the intersections Mile One South Rd. & Scheurbach Rd.
8. **AI -55697** Crossing Permit
Cantu Construction c/o CLH Engineering & Solorio Inc.- propose a 10'x 65' pedestrian bridge for the Edinburg Soccer Stadium within HCDD1 Drainage Facility ROW (Edinburg Stub Ditch).
9. **AI -55735** 2013 Bonds
Budget: 360-Delta Watershed Program
Engineering Firm: Tedsi Infrastructure Group
Inv. no. 20162786 in the amount of \$900.00 related to Work Authorization no. 12-Lower Rio Grande Valley Regional Water Management Program-Legal Services.
PO#623665
10. **AI -55767** Fund: 133 Budget: 365-Rural Drainage Development Pct.2
Engineering Firm: L&G Consulting Engineers
Inv. no. 11325757 in the amount of \$11,322.56 related to Work Authorization No. 4-Pharr Mcallen Drain & South Flood Water Channel Watershed Imp. Project
PO#628487
11. **AI -55745** Financial Administration - Budget Line item transfer - District Administration

AI -55618

2.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit

R.E. Garcia, P.E. & Associates- Jardin Del Sur Subdivision (Northern Outfall)

BACKGROUND

Fiscal Impact

Attachments

Discharge Permit Application

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	07/28/2016 10:02 AM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Esther Layton		Started On: 07/28/2016 09:52 AM
Final Approval Date: 08/05/2016		

APPLICATION FOR DISCHARGING STORM WATER INTO HCDD1 SYSTEM AND/OR HCID SYSTEM

Applicant: HESCO Industrial Company, LLC. Permit No: _____

Address: 11916 Mile 7 Road, Mission, Texas 78573

Subdivision Name: Jardin Del Sur (Northern Outfall)

Name of Receiving Ditch: Unnamed Donna Irrigation District Drainage Ditch

Location or Drainage Area (Furnish Location Map): Attached

X (coordinate): 16609522.694 Y (coordinate): 1120933.849
(NAD 1983 Texas South FIPS 4205 feet)

New or existing entrance: NEW Calculated Discharge (Q): 44.72 CFS

Number of Acres Developed: 36.52 Size of Discharge Structure: 36" Choked to 15" Dia

Discharge Flow line of Discharge Structure: 77.58

Flow line Receiving Ditch: 76.69 Top of Water Receiving Ditch: n/a

Top of Receiving Ditch Elevation: 83.69 Top of water of Connecting Ditch Lateral: n/a

Head Loss Calculated: 0.06 Formula Used: $\Delta Y' = (1 - CO)\Delta hV$

Project Engineer: Raul E. Garcia, P.E., R.P.I.S. R. E. Garcia & Associates
(Engineer's Name) (Firm's Name)

116 N. 12th (956) 381-1061 (956) 381-1280
(Address) (Phone #) (Fax #)

[Signature] 2/9/16
(Engineer Signature) (Date)

*Owner shall be considered a City with the appropriate review boards considering/granting approval to subdivision; otherwise owner/developer signature will be required.

[Signature] 2-9-16
(Mayor's Signature) (City of) (Owner's Signature) (Date)

(Mayor-Print Name) (Date)

APPROVAL OF IRRIGATION DISTRICT

This is to certify that we have reviewed the above application and we hereby approve the plan and application as shown. If not an Irrigation District facility, please fill out info and initial next to statement:

Irrigation District: DONNA IRRIGATION DISTRICT NO. ONE

By (Printed Name): NORA R. Zapata Signature: [Signature]

Title: General Manager Date: 2-12-16

Not an Irrigation District Facility _____

APPROVAL OF DRAINAGE DISTRICT

APPROVED this _____ day of _____, 20 ____.

By: _____
(Chairman of the Board HCDD1)

** This application requires Board of Director's approval. Irrigation District approval, if required, will be needed before HCDD1 may consider formal action on application. Please submit application, to the District, on Tuesday's before 5:00 p.m. to be placed on Board of Director's meeting the following Tuesday.

AI -55619

3.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit

R.E. Garcia & Associates- Jardin Del Sur Subdivision (Western Outfall)

BACKGROUND

Fiscal Impact

Attachments

Discharge Permit Application

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	07/28/2016 10:03 AM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Esther Layton		Started On: 07/28/2016 09:59 AM
Final Approval Date: 08/05/2016		

APPLICATION FOR DISCHARGING STORM WATER
INTO HCDD1 SYSTEM AND/OR HCID SYSTEM

Applicant: HESCO Industrial Company, LLC. Permit No: _____

Address: 11916 Mile 7 Road, Mission, Texas 78573

Subdivision Name: Jardin Del Sur (Western Outfall)

Name of Receiving Ditch: Unnamed Donna Irrigation District Drainage Ditch

Location or Drainage Area (Furnish Location Map): Attached

X (coordinate): 16609040.888 Y (coordinate): 1120035.047
(NAD 1983 Texas South FIPS 4205 feet)

New or existing entrance: NEW Calculated Discharge (Q): 44.72 CFS

Number of Acres Developed: 36.52 Size of Discharge Structure: 30" Choked to 15" Dia

Discharge Flow line of Discharge Structure: 79.24

Flow line Receiving Ditch: 77.25 Top of Water Receiving Ditch: n/a

Top of Receiving Ditch Elevation: 84.17 Top of water of Connecting Ditch Lateral: n/a

Head Loss Calculated: 0.16 Formula Used: $\Delta Y' = (1 - CO)\Delta hV$

Project Engineer: Raul E. Garcia, P.E., R.P.I.S. R. E. Garcia & Associates
(Engineer's Name) (Firm's Name)

116 N. 12th (956) 381-1061 (956) 381-1280
(Address) (Phone #) (Fax #)

[Signature] 2/9/16
(Engineer Signature) (Date)

*Owner shall be considered a City with the appropriate review boards considering/granting approval to subdivision; otherwise owner/developer signature will be required.

(Mayor's Signature) (City of) *[Signature]* 2-9-16
(Owner's Signature) (Date)

(Mayor-Print Name) (Date)

APPROVAL OF IRRIGATION DISTRICT

This is to certify that we have reviewed the above application and we hereby approve the plan and application as shown. If not an Irrigation District facility, please fill out info and initial next to statement:

Irrigation District DONNA IRRIGATION DISTRICT NO. ONE

By (Printed Name): NORA R. Zapata Signature: *[Signature]*
Title: General Manager Date: 2-12-16

Not an Irrigation District Facility _____

APPROVAL OF DRAINAGE DISTRICT

APPROVED this _____ day of _____, 20 ____.

By: _____
(Chairman of the Board HCDD1)

** This application requires Board of Director's approval. Irrigation District approval, if required, will be needed before HCDD1 may consider formal action on application. Please submit application, to the District, on Tuesday's before 5:00 p.m. to be placed on Board of Director's meeting the following Tuesday.

AI -55620

4.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit

Quintanilla, Headley & Associates, Inc.- Sommerset Court Estates Subdivision

BACKGROUND

Fiscal Impact

Attachments

Discharge Permit Application

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	07/28/2016 10:11 AM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Esther Layton		Started On: 07/28/2016 10:04 AM
Final Approval Date: 08/05/2016		

APPLICATION FOR DISCHARGING STORM WATER
INTO H.C.D.D. NO. 1 SYSTEM**

Applicant: San Mateo Investments, LLC By: Herb Scurlock, Member

Address: 3714 South Expressway 281 Edinburg, Texas 78539

Subdivision Name: Sommerset Court Estates

Name of Receiving Ditch: City of Mission Drain Ditch

Location or Drainage Area (Furnish Location Map): see attached layout.

X(coordinate): 98°17'28" W Y(coordinate): 26°14'14" N

(NAD 1983 Texas South FIPS 4205 feet)

New or existing entrance: New Calculated Run-off: 16.11 C.F.

Number of Acres Developed: 9.21 AC Size of Pipe: 24" R.R.G.C.P.

Size of Box Culvert: _____ Ditch Lateral (size of entrance) sq. ft.: _____

Discharge Flow line of Pipe, Box Culvert, Ditch Lateral: 120.00

Flow line Receiving Ditch: 119.00 Top of Water Receiving Ditch: 121.00

Top of Ditch Elevation: 129.50 Top of water of Connecting Ditch Lateral: N/A

Head Loss Calculated: 1.5 Formula Used: TxDOT Nomograph

Project Engineer: Alfonso Quintanilla, P.E. Quintanilla, Headley & Associates, Inc.
(Engineer's Name) (Firm's Name)

124 E. Stubbs, Edinburg, Texas 78539 (956)381-6480 (956) 381-0527
(Address) (Phone #) (Fax #)

*Owner shall be considered a City with the appropriate review boards considering/granting approval to subdivision; otherwise owner/developer signature will be required.

[Signature]
San Mateo Investments, LLC
By: Herb Scurlock, Member

[Signature]
(Mayor's Signature) (City of) Mission
Norberto Salinas
(Mayor-Print Name) (Date) 11/9/16

APPROVAL OF IRRIGATION DISTRICT

This is to certify that we have reviewed the above application and we hereby approve the plan and application as shown.

(Irrigation District)
By: MIKE WARSHAK
Title: GENERAL MANAGER
Date: 7-13-16

If not an Irrigation District facility, please sign on line below as acknowledgement:

[Signature]
(Irrigation District)

APPROVAL OF DRAINAGE DISTRICT

APPROVED this _____ day of _____, 20 ____.

By: _____
(Hidalgo County Drainage District Number One)

** This application requires Board of Director's approval. Please submit application, to the District, on Tuesday's before 5:00 p.m. to be placed on Board of Director's meeting the following Tuesday.

AI -55622

5.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit

Quintanilla, Headley & Associates, Inc.- San Patricio Subdivision

BACKGROUND

Fiscal Impact

Attachments

Discharge Permit Application

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	07/28/2016 10:11 AM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Esther Layton		Started On: 07/28/2016 10:07 AM
Final Approval Date: 08/05/2016		

APPLICATION FOR DISCHARGING STORM WATER
INTO H.C.D.D. NO. 1 SYSTEM**

Applicant: Tres Lunas Development, LLC Permit No: _____

Address: 3714 S. Expressway 281 Edinburg, Texas 78539

Subdivision Name: San Patricio Subdivision

Name of Receiving Ditch: H.C.D.D. No.1 East Donna Drain

Location or Drainage Area (Furnish Location Map): see attached layout

X(coordinate): 98°01'46" W Y(coordinate): 26°08'50" N
(NAD 1983 Texas South FIPS 4205 feet)

New or existing entrance: New Calculated Run-off: 41.39 C.F.

Number of Acres Developed: 40.00 ac Size of Pipe: 18" R.C.P. Choke

Size of Box Culvert: _____ Ditch Lateral (size of entrance) sq. ft.: _____

Discharge Flow line of Pipe, Box Culvert, Ditch Lateral: 69.95

Flow line Receiving Ditch: 67.10 Top of Water Receiving Ditch: 68.10

Top of Ditch Elevation: 81.70 Top of water of Connecting Ditch Lateral: N/A

Head Loss Calculated: 1.5 Formula Used: TxDOT Nomograph

Project Engineer: Alfonso Quintanilla, P.E. Quintanilla, Headley & Associates, Inc.
(Engineer's Name) (Firm's Name)

124 E. Stubbs, Edinburg, Texas 78539 (956) 381-6480 (956) 381-0527
(Address) (Phone #) (Fax #)

*Owner shall be considered a City with the appropriate review boards considering/granting approval to subdivision; otherwise owner/developer signature will be required.

[Signature] (Owner's Signature) _____ (Mayor's Signature) _____ (City of) _____

(Mayor-Print Name) (Date)

APPROVAL OF IRRIGATION DISTRICT

This is to certify that we have reviewed the above application and we hereby approve the plan and application as shown.

(Irrigation District)

By: _____

Title: _____

Date: _____

If not an Irrigation District facility, please sign on line below as acknowledgement:

DONNA IRRIGATION DISTRICT NO. ONE

[Signature]
(Irrigation District)

APPROVAL OF DRAINAGE DISTRICT

APPROVED this _____ day of _____, 20 ____.

By: _____
(Hidalgo County Drainage District Number One)

** This application requires Board of Director's approval. Please submit application, to the District, on Tuesday's before 5:00 p.m. to be placed on Board of Director's meeting the following Tuesday.

AI -55623

6.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit

Quintanilla, Headley & Associates, Inc.- Kenyon Vegas Ranches

BACKGROUND

Fiscal Impact

Attachments

Discharge Permit Application

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	07/28/2016 10:11 AM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Esther Layton		Started On: 07/28/2016 10:10 AM
Final Approval Date: 08/05/2016		

**APPLICATION FOR DISCHARGING STORM WATER
INTO H.C.D.D. NO. 1 SYSTEM****

Applicant: Garco, Ltd By: Garco Management, LLC, General Partner By: Richard A. Garza, President

Address: 3901 W. Freddy Gonzalez Drive, Edinburg, Texas 78539

Subdivision Name: Kenyon Vegas Ranches

Name of Receiving Ditch: HCDD No.1 Edinburg Lateral

Location or Drainage Area (Furnish Location Map): see attached layout.

X(coordinate): 98 °06' 51" W Y(coordinate): 26° 20' 20" N

(NAD 1983 Texas South FIPS 4205 feet)
New or existing entrance: New Calculated Run-off: 7.41 C.F.

Number of Acres Developed: 9.56 AC Size of Pipe: 18" RCP

Size of Box Culvert: N/A Ditch Lateral (size of entrance) sq. ft.: N/A

Discharge Flow line of Pipe, Box Culvert, Ditch Lateral: 69.00

Flow line Receiving Ditch: 68.54 Top of Water Receiving Ditch: 68.80

Top of Ditch Elevation: 86.64 Top of water of Connecting Ditch Lateral: _____

Head Loss Calculated: 0.8 Formula Used: TxDOT Nomograph

Project Engineer: Alfonso Quintanilla, P.E. Quintanilla, Headley & Associates, Inc.
(Engineer's Name) (Firm's Name)

124 E. Stubbs, Edinburg, Texas 78539 (956)381-6480 (956) 381-0527
(Address) (Phone #) (Fax #)

*Owner shall be considered a City with the appropriate review boards considering/granting approval to subdivision; otherwise owner/developer signature will be required.

Garco, Ltd By: Garco Management, LLC, General Partner [Signature] Edinburg
By: Richard A. Garza, President (Mayor's Signature) (City of)
Ronardo N. Longoria PECC 1-14-16
(Mayor-Print Name) (Date)

APPROVAL OF IRRIGATION DISTRICT

This is to certify that we have reviewed the above application and we hereby approve the plan and application as shown.

Santa Cruz Irrigation #15
(Irrigation District)

By: [Signature]

Title: Gen. Manager

Date: 1-14-16

If not an Irrigation District facility, please sign on line below as acknowledgement:

(Irrigation District)

APPROVAL OF DRAINAGE DISTRICT

APPROVED this _____ day of _____, 20 ____.

By: _____
(Hidalgo County Drainage District Number One)

** This application requires Board of Director's approval. Please submit application, to the District, on Tuesday's before 5:00 p.m. to be placed on Board of Director's meeting the following Tuesday.

AI -55660

7.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Crossing Permit

City of Mission c/o Melden & Hunt, Inc.- Propose to place a 200 L.F. of 12" PVC forcemain to be bored & Encased in 200 L.F. of 20"x 7/16" steel casing within HCDD1 Drainage facility ROW approximately 740 ft. south of the intersections Mile One South Rd. & Scheurbach Rd.

BACKGROUND

Fiscal Impact

Attachments

Crossing Permit Application

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	08/02/2016 02:45 PM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Esther Layton		Started On: 08/02/2016 10:49 AM
Final Approval Date: 08/05/2016		



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 North Doolittle Rd.
Edinburg, Texas 78542
Office (956) 292-7080
Fax (956) 292-7089

Raul E. Sesin, P.E., CFM
General Manager

Page 1 of 11

DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

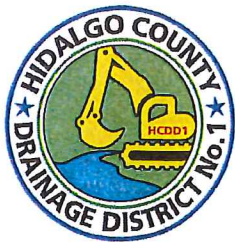
Contact the Hidalgo County Drainage District General Manager to discuss the scope of the project

1. Please return the following for processing (in duplicate):
 - a. Permit application form.
 - b. Locator map.
 - c. Plans/profile of pipe or utility crossing.
 - d. Applicant's insurance certificate (in compliance with Schedule A).

2. Check payable to Hidalgo County Drainage District No. 1 for appropriate fees(s) as required.

Hidalgo County Drainage District No. 1 will attempt to process permit applications within a minimum of 30 days after receipt of the above required information.

All questions regarding this application should be addressed to the Hidalgo County Drainage District No. 1 General Manager.



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
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Raul E. Sesin, P.E., CFM
General Manager

Page 2 of 11

DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

THE STATE OF TEXAS

COUNTY OF HIDALGO

APPLICATION AND AGREEMENT FOR DRAINAGE DISTRICT CROSSING PERMIT

Date: JULY 26, 2016

CITY OF MISSION (hereinafter referred to as "Applicant") does hereby make application to the Hidalgo County Drainage District No. 1 (hereinafter referred to as "HCDD") to construct, maintain and repair a drainage ditch crossing across the easements, ditches, streams, drainage ways, property or property interest as described below.

Information required:

1. Name and Address of Applicant: CITY OF MISSION, 1208 E. 8th ST.
MISSION, TX 78572-5812

2. Name and Address of company or agency owning or to own the drainage ditch crossing (please indicate if same as Applicant): _____
CITY OF MISSION - 1208 E. 8TH ST. - MISSION, TX 78572-5812

3. Name and Address of operator of crossing structure (please indicate if same as Applicant):
CITY OF MISSION - 1208 E. 8TH ST. - MISSION, TX 78572-5812

4. Name and Address of contractor to install crossing structure: _____
MOR-WIL, LLC. - 808 S. SHARY RD., STE. 5 - MISSION, TX 78572-8569



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 North Doolittle Rd.
Edinburg, Texas 78542
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General Manager

Page 3 of 11

DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

5. Estimated date of installation of crossing structure: _____
WITHIN 20 DAYS OF PERMIT APPROVAL

6. Location of crossing structure (Tract No., Survey, Abstract No.): _____
APPROXIMATELY 740 FEET SOUTH OF INTERSECTION OF SCHEURBACH ROAD
AND MILE ONE SOUTH (SEE ATTACHED LOCATION MAP-GOOGLE EARTH)

7. Hidalgo County Drainage District No. 1's easements, ditches, streams, or other drainage ways,
property or property interest to be crossed: _____
PEREZVILLE DRAIN

8. Names and Addresses of fee owners of property involved and copy of crossing structure
easements acquired: _____
RHODES ENTERPRISES, INC. --200 S. 10TH ST., STE. 1400
MCALLEN, TX 78501



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 North Doolittle Rd.
Edinburg, Texas 78542
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Raul E. Segin, P.E., CFM
 General Manager

Page 4 of 11

DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

9. Number and size of crossing structures: 1 - 12"

10. Does Applicant have the Power of Eminent Domain? YES

11. Where is the origin of the crossing structure? APPROXIMATELY 740 FT. SOUTH OF THE
THE INTERSECTION OF MILE ONE SOUTH RD. & SCHEURBACH RD. (SEE ATTACHED
GOOGLE EARTH MAP)

12. Where is the destination of the crossing structure? _____

THERE IS AN EXISTING MANHOLE ALONG INSPIRATION ROAD & MILE ONE SOUTH RD.

If requested permit is granted by HCDD, Applicant, in consideration thereof, agrees and binds itself as follows:

1. All crossing structures herein will be placed above the 100 year base flood elevation above existing or planned channel cross sections flow line of ditch as measured from the lowest point of the crossing structure.
2. Location map, profile, and plans concerning the proposed crossing structure will be furnished with this application.
3. HCDD will be notified in writing ten days prior to the beginning date of construction under this permit.



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
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General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

4. Applicant will bear the entire expense of all future relocations of any crossing structure should such relocation, at the sole discretion of the Board of Directors of Hidalgo County Drainage District No. 1, be necessary for improvements, alteration, or maintenance of the HCDD's easement or property of interest.
5. Applicant will not do, or cause to be done, anything to impede or obstruct an adequate flow of water through or upon the property on/in which the crossing structure is located; it is specifically understood and agreed that the adequacy of the flow of water referenced herein shall be within the sole discretion of the HCDD.
6. Applicant will notify the HCDD at least 48 hours prior to completion of its work and removal of its equipment from the job site to permit HCDD to make an inspection.
7. Upon notification by the HCDD, the Applicant will promptly repair or rectify any deficiency or condition caused by the Applicant's operations or installations under this permit. Applicant will leave easement in as near the same condition or better, in the HCDD's sole judgment, as it existed prior to the commencement of the operations under this permit.
8. HCDD shall not be liable or responsible for, and shall be saved and held harmless by Applicant, and further shall be indemnified by Applicant, from and against any and all suits, actions, losses, damages, claims, or liability of any character, type, or description, including all expenses of litigation, court costs, attorney's fees, and engineering fees for injury or death to any person, or injury to any property, received or sustained by any person or persons or property, arising out of, or occasioned by, directly or indirectly, the performance of Applicant under this agreement, including claims and damages arising in whole or in part from the negligence of the HCDD.

It is the expressed intent of the parties to this agreement that the indemnity provided for in this section is extended by Applicant to indemnify and protect HCDD from the consequences of HCDD's own negligence, whether that negligence is the sole or contributory cause of the resultant injury, death, or damage.



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 North Doolittle Rd.
Edinburg, Texas 78542
Office (956) 292-7080
Fax (956) 292-7089

Raul E. Sestin, P.E., CFM
General Manager

Page 6 of 11

DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

Applicant further agrees to defend, at its own expense, with attorneys acceptable to HCDD and on behalf of the HCDD, and in the name of Hidalgo County Drainage District No. 1, any claim or litigation brought against the HCDD in connection with any such injury, death or damage.

Before construction is begun on such crossing structure, Applicant will furnish to the HCDD a certificate of insurance (or other security approved by the HCDD) payable to Hidalgo County Drainage District No. 1 and protecting Hidalgo County Drainage District No. 1 (as an additional named insured) against any claims for personal injuries or damages to property resulting from the operations of Applicant, its agents, servants, employees, and contractors under this permit. Insurance is to be supplied in accordance with the attached Schedule A.

9. HCDD makes no warranties, expressed or implied, in the granting of this permit; nor does HCDD purport to grant any property interest or exclusive privileges whatsoever by granting such permit. It is specifically understood that HCDD is not the agent for, nor does it act for, the fee owners or any persons or entities having any right, or title to possession of the land upon which the HCDD's easement or other property interest is located. Furthermore, in granting this permit the HCDD makes no representation or warranty that it has any property interest, including, but not limited to, an easement or right of way, in the land upon which Applicant constructs, maintains, repairs, or modifies the structures, pipelines or utilities, made the subject of this application, nor does HCDD make any representation or warranty as to the validity, quality or extent of such property interest, if any. Applicant acknowledges its understanding that HCDD in granting this permit, does not convey or grant to Applicant any rights, title or interest for which it has no legal authority to grant or convey.
10. Applicant binds itself to comply with all federal, state, and local laws or regulations and will obtain all necessary permits from all local and federal agencies required by law before installation or construction is begun.
11. Applicant will install its crossing structure in a manner and location as shown in the plans and specifications filed with HCDD in support of this application for permit. HCDD's engineer or other representative may at any time make such inspection as such engineer or other representative may deem necessary to assure that the construction of the crossing structure is in accordance with the plans and specifications submitted, and said engineer or representative shall have the right to temporarily suspend Applicant's work if necessary, while such inspection



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 North Doolittle Rd.
Edinburg, Texas 78542
Office (956) 292-7080
Fax (956) 292-7089

Raul E. Sestin, P.E., CFM
General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

is being made. Should Applicant not install the crossing structure in accordance with the terms and conditions of this permit, Applicant agrees that the HCDD shall have the right to require, at Applicant's expense, the removal of the crossing structure and its replacement in conformance to said plans and specifications and conditions of this permit. HCDD may revoke this permit and suspend all work hereunder if it is determined by HCDD that the crossing structure is not being installed/constructed in accordance with such plans and specifications and conditions of this permit. The suspension or revocation of this permit shall not be a basis for a claim for damages against HCDD.

12. Except in emergency situations where it is necessary to protect life and property, Applicant will not make any change, modification, or alteration in or to the crossing structure without first securing a new or amended permit from HCDD prior to the making of any such change. Applicant will maintain the crossing structure hereby authorized in good and safe condition, and in accordance with plans, specifications, and this permit.
13. Applicant agrees to pay HCDD a permit fee to cover administrative costs in the amount of \$500.00 plus a reimbursement to HCDD for any necessary engineering fees which may be incurred for the study and processing of the Application, for each crossing of an HCDD ditch. This fee will permit a single crossing structure to cross at a single crossing location.

Requests to add additional crossing structures, not included in an initial permit application, must be made by separate application, with new permit fees paid accordingly and support data provided.

All permits fees must be submitted with the application for permit.

Permit fees submitted with this application for which crossing structure are not approved by HCDD Board of Directors will be refunded to Applicant.

Permit fees may be waived where Applicant is a state, county, municipality, or a special political division.



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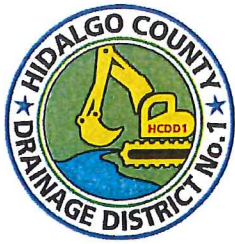
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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

14. The Applicant is allowed one hundred twenty days (120) from the granting of the permit to start construction of the crossing structure. Once started, the Applicant is allowed ninety (90) days to complete all work under such permit. All construction must be completed within two hundred ten (210) days from the date of issuance of permit. Upon application, extension of the time periods set forth in this paragraph may be granted by the HCDD Board of Directors. Such applications for extension must be received by HCDD at least thirty days before the expiration of the two hundred ten (210) days period. A new permit fee, in accordance with Paragraph 13 hereof, will be charged for each extension granted.

Construction of any crossing structure will not begin until written approval has been given by HCDD.

15. All provisions of the Drainage District Permit Administration Policy of HCDD, if any, and all amendments thereto, are hereby incorporated herein as part of the terms and conditions of this permit for all purposes.
16. Applicant warrants and represents that it has secured from all fee owners of the involved property an easement or other property rights to construct, repair or modify the crossing structure in the manner set forth herein.
17. This Drainage District Crossing Permit if granted by HCDD is subject to any and all other requirements, specifications and conditions listed in Exhibit A attached hereto.
18. HCDD requires the coordinates and elevations of all crossings in NAD 1983 and NAVD 1988 State Plane Texas South for each crossing structure.
19. This permit constitutes the entire agreement between the parties with regard to the subject matter hereof, and all prior agreements, representations, and negotiations between the parties regarding the subject matter are hereby superseded. This permit shall not be altered or amended except by an agreement in writing executed by the parties hereto.



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General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

20. Applicant warrants and represents that its undersigned representative has full authority to bind Applicant to the terms and conditions of the foregoing Application and Agreement for Drainage District Crossing Permit.

DATED this 29th day of July, 2014.

ROBERTO SALINAS
(Name of Applicant – Printed or Typed)

By: [Signature]
Signature

Title: PUBLIC WORKS DIRECTOR

STATE OF TEXAS

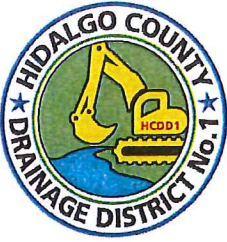
COUNTY OF HIDALGO

SUBSCRIBED AND SWORN TO before me the Applicant, Roberto Salinas, on this 29th day of July, 2014, to which witness my hand and seal of office.



[Signature]
Notary Public for the State of Texas

My Commission Expires: 03/20/2020



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General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

**APPROVAL OF APPLICATION BY
HIDALGO COUNTY DRAINAGE DISTRICT NO. 1**

Came on for consideration this _____ day of _____, 20____. The above and foregoing Application for Drainage Ditch Crossing Permit, and after consideration of the same by the Board of Directors of the Hidalgo County Drainage District No. 1, said Application and Agreement for Pipeline or Utility Permit is hereby APPROVED.

Hidalgo County Drainage District No. 1

Chairman, of the Board

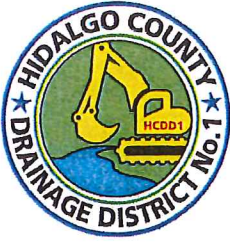
Schedule "A"

Insurance Requirements

The Bidder awarded the contract shall furnish proof of insurance, which will also include any subcontractor that is subcontracted by the bidder in at least the following limits, to be in place prior to providing any services under this Contract and to continue at all times in force in effect during the term of this Contract:

1. **Automobile liability insurance policy** with limits of at least Three Hundred Thousand Dollars (\$300,000.00) per person and \$500,000.00 per occurrence, consistent with potential exposure to Hidalgo County Drainage District No.1 under the Texas Tort Claims Act. Coverage should include injury to or death of persons and property damage claims (with limits up to \$500,000.00) arising out of the services provided to Hidalgo County Drainage District No.1 hereunder;
2. **Uninsured/Underinsured motorist coverage** in an amount equal to the bodily injury limits set forth immediately above;
3. **A Five Hundred Thousand Dollar (\$500,000.00) Comprehensive General Liability insurance policy** providing additional coverage to all underlying liabilities of Hidalgo County Drainage District No.1 consistent with potential exposure of Drainage District under the Texas Tort Claims Act;
4. **Workers compensation insurance** in amounts established by Texas law, unless the Bidder is specifically exempted from the Texas Workers' Compensation Act, Texas Labor Code Chapter 401, ET. seq.

Certificates of insurance naming Hidalgo County Drainage District No.1 as an additional insured shall be submitted to the Hidalgo County Drainage District No.1 for approval prior to any services being performed by Contractor. Each policy of insurance required hereunder shall extend for a period equivalent to, or longer than the term of the Contract, and any insurer hereunder shall be required to give at least thirty (30) days written notice to the Hidalgo County Drainage District No.1 prior to the cancellation of any such coverage on the termination date, or otherwise. This Contract shall be automatically suspended upon the cancellation, or other termination, of any required policy of insurance hereunder, and such suspension shall continue until evidence adequate replacement coverage is provided to Hidalgo County Drainage District No.1. If replacement coverage is not provided within thirty (30) days following suspension of the Contract, this Contract shall automatically terminate.



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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

EXHIBIT A

The design shall be in accordance with AASHTO LRFD and ASCE 7-10 standard specifications, load combinations and load factors.

The construction shall be in compliance with ASTM and TxDOT standards for material testing.

The walkway shall comply with accessibility codes and shall be ADA compliant.

Lighting shall be in accordance with AASHTO and ANSI/IESNA standard specifications.

All building code requirements shall be met, when applicable.

A geotechnical investigation that includes soil borings at each proposed support location shall be submitted.

Drainage along walkway shall be taken into account.

The structure shall be above the 100 year water elevation. Calculation must be submitted to the district for review and approval.



MORWILL-01 RARELLANO

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/22/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Smith-Reagan & Associates Inc 148 N Sam Houston San Benito, TX 78586	CONTACT NAME: PHONE (A/C, No, Ext): (956) 399-1353	FAX (A/C, No): (956) 399-2185	
	E-MAIL ADDRESS:		
INSURER(S) AFFORDING COVERAGE INSURER A : Maxum Indemnity Co		NAIC #	
INSURED Mor Wil, LLC 808 S Shary Rd, Ste 5 Mission, TX 78572	INSURER B : Progressive Co. Mutual Ins Co.		29203
	INSURER C : Rockhill Insurance Company		
	INSURER D : Texas Mutual Insurance Company		22945
	INSURER E : Certain Underwriters @ Lloyds		
	INSURER F :		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR			BDG008473502	11/01/2015	11/01/2016	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000
							MED EXP (Any one person) \$ 100,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:						PERSONAL & ADV INJURY \$ 5,000 GENERAL AGGREGATE \$ 1,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> Uninsured Motorist			02660069-0	09/10/2015	09/10/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
							BODILY INJURY (Per person) \$
	<input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS <input checked="" type="checkbox"/> Underinsured Motorist						BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB			RSXMLH00049700	09/03/2015	09/03/2016	EACH OCCURRENCE \$ 1,000,000
							AGGREGATE \$ 1,000,000
	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	TSF0001272519	07/11/2016	07/11/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER
							E.L. EACH ACCIDENT \$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Pollution Liability			PGIARK0537500	09/03/2015	09/03/2016	Aggregate 2,000,000
E	Pollution Liability			PGIARK0537500	09/03/2015	09/03/2016	Each Claim 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate Holder is an Additional Insured with respects to the General Liability as required by written contract. Waiver of Subrogation in favor of Certificate Holder applies to the General Liability and Workers Compensation when required by written contract.

CERTIFICATE HOLDER

CANCELLATION

Hidalgo County Drainage District 1
 902 N Doolittle Rd
 Edinburg, TX 78542

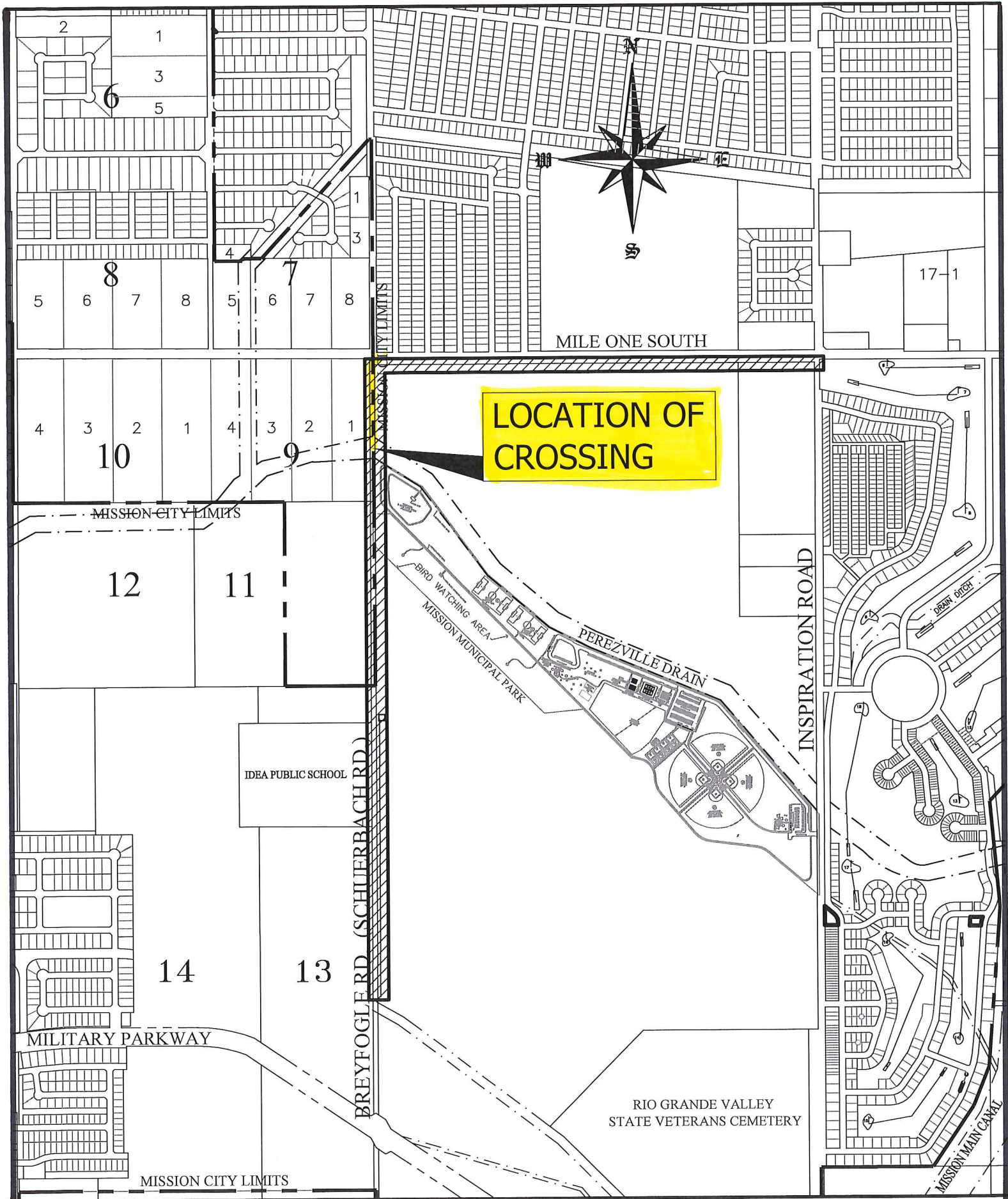
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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BENTSEN PALM LIFT STATION

CITY OF MISSION



LOCATION OF CROSSING

File Ruler

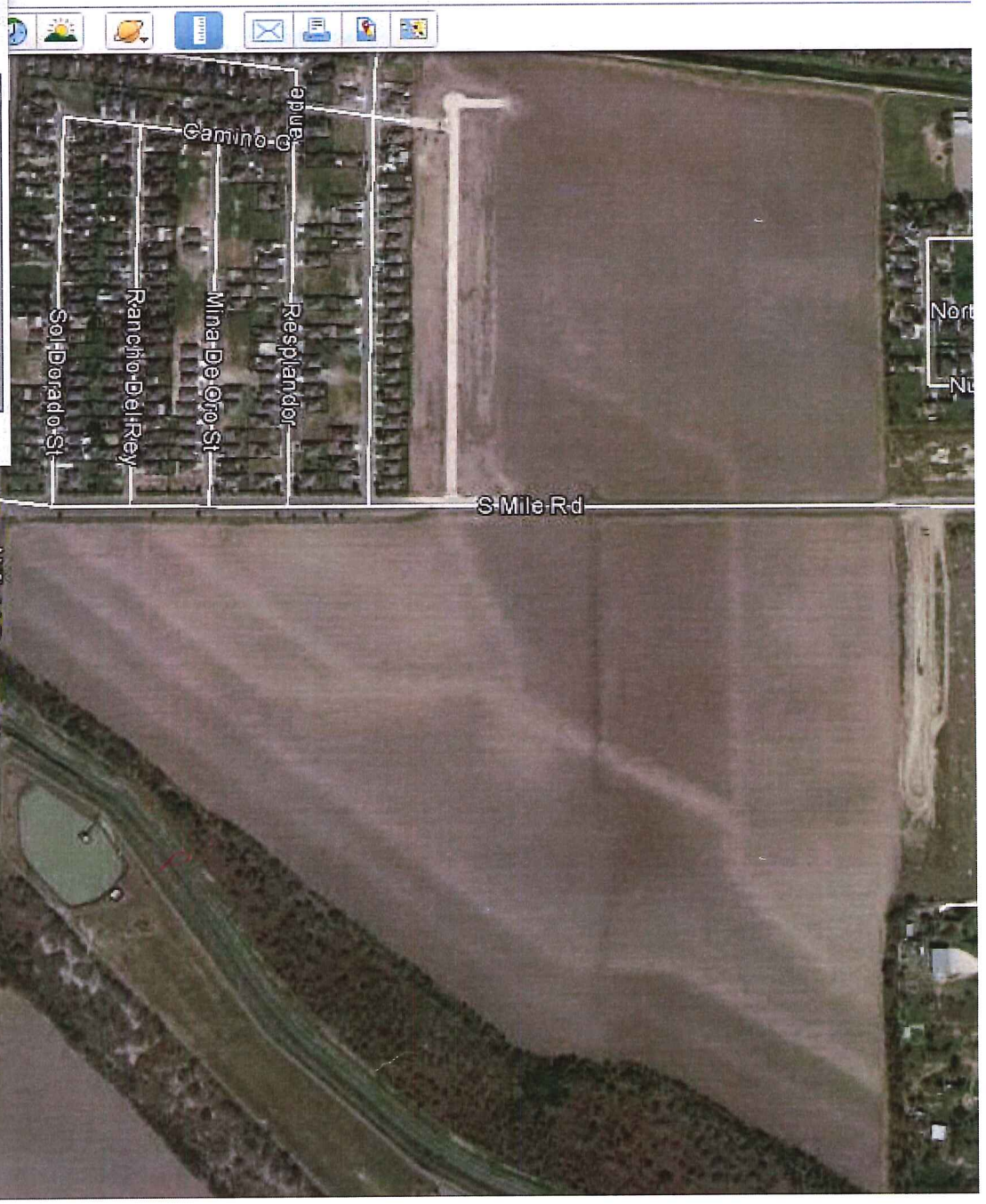
Line | Path | Pro |

Measure the distance between two points on the ground

Map Length:	742.55	Feet
Ground Length:	742.68	
Heading:	189.52	degrees

Mouse Navigation

Save Clear



Places

My Places

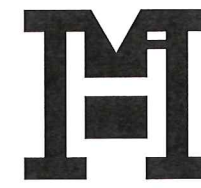
- Sightseeing Tour
Make sure 3D Buildings layer is checked
- WEAKS-MARTIN
- Orangewood North
- Blk 45 Hall-Fifield
- Proposed Apt Location
- L3 JRC Ph III
- Las Villas Del Rio
- Las Villas Del Rio
- Jackson Heights
- TRACT 1
- TRACT 2
- Texas A&M
- West View M

Layers

Earth Gallery >>

Primary Database

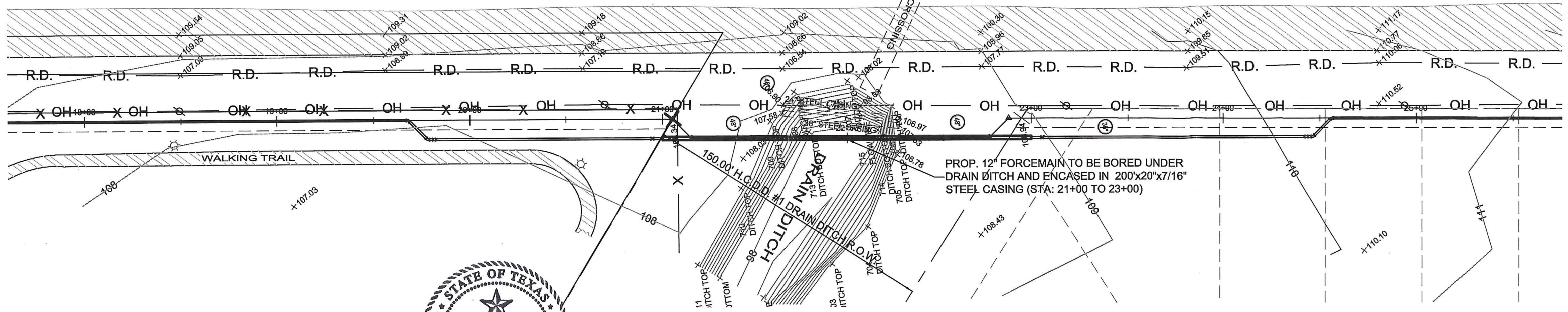
BENTSEN PALM LIFT STATION, MISSION, TEXAS
 FORCEMAIN CROSSING AT H.C.D.D. #1 DRAIN DITCH



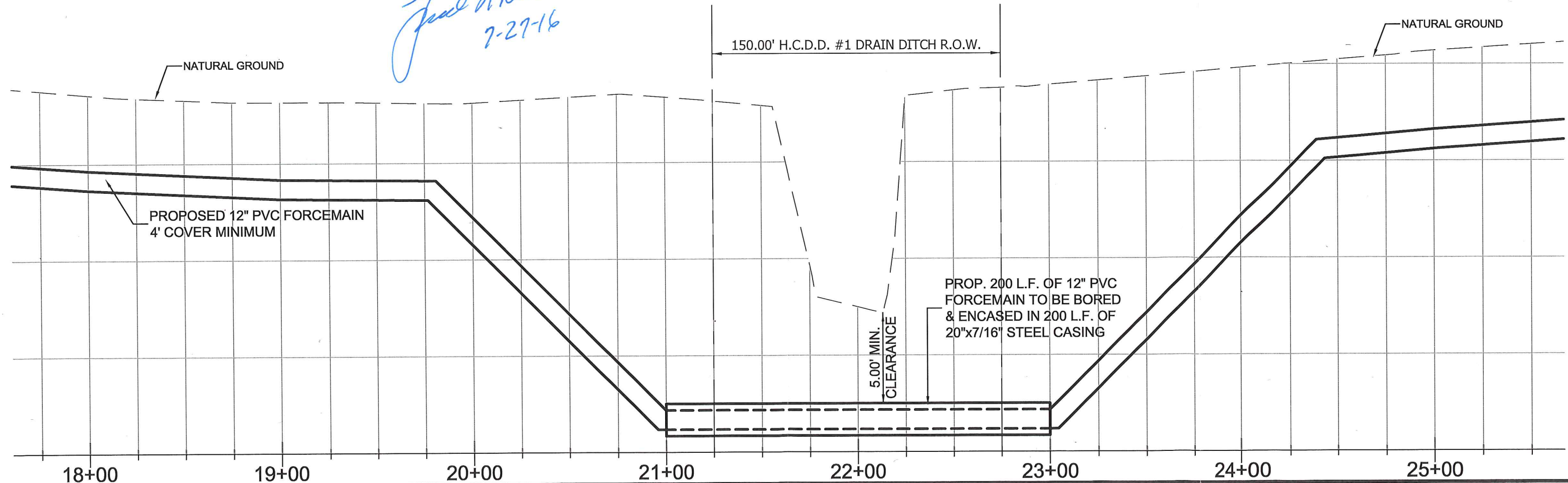
MELDEN & HUNT INC.
 CONSULTANTS • ENGINEERS • SURVEYORS
 115 W. McINTYRE EDINBURG, TX 78541
 PH: (956) 381-0981
 FAX: (956) 381-1839
 ESTABLISHED 1947

227 N. F.M. 3167
 RIO GRANDE CITY, TX 78582
 PH: (956) 487-8256
 FAX: (956) 488-8591
 www.meldenandhunt.com

SCALE: PLAN: 1" = 50'
 PROFILE: 1" = 5'



Fred L. Kurth
 7-27-16



AI -55697

8.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted For: Esther Layton

Submitted By: Esther Layton, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Crossing Permit

Cantu Construction c/o CLH Engineering & Solorio Inc.- propose a 10'x 65' pedestrian bridge for the Edinburg Soccer Stadium within HCDD1 Drainage Facility ROW (Edinburg Stub Ditch).

BACKGROUND

Fiscal Impact

Attachments

Crossing Permit Application

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	08/04/2016 08:38 AM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Esther Layton		Started On: 08/03/2016 04:25 PM
Final Approval Date: 08/05/2016		



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General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

Contact the Hidalgo County Drainage District General Manager to discuss the scope of the project

1. Please return the following for processing (in duplicate):
 - a. Permit application form.
 - b. Locator map.
 - c. Plans/profile of structural crossing.
 - d. Applicant's insurance certificate (in compliance with Schedule A).

2. Check payable to Hidalgo County Drainage District No. 1 for appropriate fees(s) as required.

Hidalgo County Drainage District No. 1 will attempt to process permit applications within a minimum of 30 days after receipt of the above required information.

All questions regarding this application should be addressed to the Hidalgo County Drainage District No. 1 General Manager.

HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOOLITTLE

EDINBURG, TEXAS 78542

(956)292-7080

FAX (956)292-7089



RAUL E. SESIN, P.E., CFM
GENERAL MANAGER

PERMIT APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. Hidalgo County Drainage District No.1 will require a Letter of Certification as to the "as built" location/elevation of the line. The letter is to be furnished by a licensed, professional, registered surveyor within 10 days of completion of the project.
2. Hidalgo County Drainage District No. 1 is notified prior to commencement of the work.
3. Permittee shall hold harmless Hidalgo County Drainage District No. 1 and its duly appointed agents and employees against any action for personal injury or property damage sustained by reason of the exercise of this permit.
4. Hidalgo County Drainage District No. 1 will not be responsible for damage to this line by maintenance or construction machinery.
5. The issuance of this permit grants your permission to work within the drainage ditch right of way for the purpose of laying your proposed facility, but does not guarantee a route free of obstructions such as utility lines, whether privately or commercially owned. In order to prevent damage to these utility lines, it will be your responsibility to contact the various utility companies or private owners for the exact location of any facilities that may in the path of your proposed work.
6. It is expressly understood that Hidalgo County Drainage District No. 1 may require owner to relocate this line, at owner's expense, subject to provisions of governing laws, by giving 30 days written notice.
7. The right of way must be cleared of trash and excess dirt and left in a neat, clean condition upon completion of this installation. Permittee or its agents will repair any damage caused by its work activity; all trenches will be properly backfilled and permittee or its agents will correct any future settlements in area of excavation within one year time frame.
8. All work described herein shall be completed within six months from the date shown on the face of this permit; however, an extension will be considered upon request prior to expiration date.
9. In addition, we are requiring the coordinates in NAD 1983 State Plane Texas South, for each utility crossing.

IF THESE TERMS AND CONDITIONS ARE ACCEPTABLE, YOU MAY PROCEED WITH THE INSTALLATION AFTER GIVING PROPER NOTIFICATION.



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General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

THE STATE OF TEXAS

COUNTY OF HIDALGO

APPLICATION AND AGREEMENT FOR DRAINAGE DISTRICT CROSSING PERMIT

Date: 7-29-16

Oscar Falcon (hereinafter referred to as "Applicant") does hereby make application to the Hidalgo County Drainage District No. 1 (hereinafter referred to as "HCDD") to construct, maintain and repair a drainage ditch crossing across the easements, ditches, streams, drainage ways, property or property interest as described below.

Information required:

1. Name and Address of Applicant: Oscar Falcon, 5221 W. McCall,
McAllen, TX 78502
2. Name and Address of company or agency owning or to own the drainage ditch crossing (please indicate if same as Applicant):
Torres Stadium, LLC, 5221 W. McAllen, TX 78503
3. Name and Address of operator of crossing structure (please indicate if same as Applicant):
Torres Stadium, LLC, 5221 W. McCall, McAllen, TX
4. Name and Address of contractor to install crossing structure: Cantu Construction
Company, 5221 W. McCall, McAllen, TX, 78502



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General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

5. Estimated date of installation of crossing structure: 8-16-16
-
6. Location of crossing structure (Tract No., Survey, Abstract No.): Lot 16 Sect 268 TEXAS - Mexican
Railway Co. Survey
7. Hidalgo County Drainage District No. 1's easements, ditches, streams, or other drainage ways, property or property interest to be crossed: Edinburg Stub
-
8. Names and Addresses of fee owners of property involved and copy of crossing structure easements acquired: Torros LLC,
Torros Stadium LLC, 5220 W. McCall,
McAllen, TX 78502
-



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General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

9. Number and size of crossing structures: 1 Bridge 10' x 65'

10. Does Applicant have the Power of Eminent Domain? NO

11. Where is the origin of the crossing structure? Toro's Soccer Stadium

12. Where is the destination of the crossing structure? Edinburg Municipal Park

If requested permit is granted by HCDD, Applicant, in consideration thereof, agrees and binds itself as follows:

1. All crossing structures herein will be placed above the 100 year base flood elevation above existing or planned channel cross sections flow line of ditch as measured from the lowest point of the crossing structure.
2. Location map, profile, and plans concerning the proposed crossing structure will be furnished with this application.
3. HCDD will be notified in writing ten days prior to the beginning date of construction under this permit.



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General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

20. Applicant warrants and represents that its undersigned representative has full authority to bind Applicant to the terms and conditions of the foregoing Application and Agreement for Drainage District Crossing Permit.

DATED this 29 day of July, 2016

Oscar Falcon
(Name of Applicant – Printed or Typed)

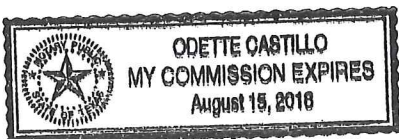
By: [Signature]
Signature

Title: Project Manager

STATE OF TEXAS

COUNTY OF HIDALGO

SUBSCRIBED AND SWORN TO before me the Applicant, Oscar Falcon, on this 29th day of July, 2016, to which witness my hand and seal of office.



[Signature]
Notary Public for the State of Texas

My Commission Expires: 08-15-16



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General Manager

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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

4. Applicant will bear the entire expense of all future relocations of any crossing structure should such relocation, at the sole discretion of the Board of Directors of Hidalgo County Drainage District No. 1, be necessary for improvements, alteration, or maintenance of the HCDD's easement or property of interest.
5. Applicant will not do, or cause to be done, anything to impede or obstruct an adequate flow of water through or upon the property on/in which the crossing structure is located; it is specifically understood and agreed that the adequacy of the flow of water referenced herein shall be within the sole discretion of the HCDD.
6. Applicant will notify the HCDD at least 48 hours prior to completion of its work and removal of its equipment from the job site to permit HCDD to make an inspection.
7. Upon notification by the HCDD, the Applicant will promptly repair or rectify any deficiency or condition caused by the Applicant's operations or installations under this permit. Applicant will leave easement in as near the same condition or better, in the HCDD's sole judgment, as it existed prior to the commencement of the operations under this permit.
8. HCDD shall not be liable or responsible for, and shall be saved and held harmless by Applicant, and further shall be indemnified by Applicant, from and against any and all suits, actions, losses, damages, claims, or liability of any character, type, or description, including all expenses of litigation, court costs, attorney's fees, and engineering fees for injury or death to any person, or injury to any property, received or sustained by any person or persons or property, arising out of, or occasioned by, directly or indirectly, the performance of Applicant under this agreement, including claims and damages arising in whole or in part from the negligence of the HCDD.

It is the expressed intent of the parties to this agreement that the indemnity provided for in this section is extended by Applicant to indemnify and protect HCDD from the consequences of HCDD's own negligence, whether that negligence is the sole or contributory cause of the resultant injury, death, or damage.



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
902 North Doolittle Rd.
Edinburg, Texas 78542
Office (956) 292-7080
Fax (956) 292-7089

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General Manager

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Applicant further agrees to defend, at its own expense, with attorneys acceptable to HCDD and on behalf of the HCDD, and in the name of Hidalgo County Drainage District No. 1, any claim or litigation brought against the HCDD in connection with any such injury, death or damage.

Before construction is begun on such crossing structure, Applicant will furnish to the HCDD a certificate of insurance (or other security approved by the HCDD) payable to Hidalgo County Drainage District No. 1 and protecting Hidalgo County Drainage District No. 1 (as an additional named insured) against any claims for personal injuries or damages to property resulting from the operations of Applicant, its agents, servants, employees, and contractors under this permit. Insurance is to be supplied in accordance with the attached Schedule A.

9. HCDD makes no warranties, expressed or implied, in the granting of this permit; nor does HCDD purport to grant any property interest or exclusive privileges whatsoever by granting such permit. It is specifically understood that HCDD is not the agent for, nor does it act for, the fee owners or any persons or entities having any right, or title to possession of the land upon which the HCDD's easement or other property interest is located. Furthermore, in granting this permit the HCDD makes no representation or warranty that it has any property interest, including, but not limited to, an easement or right of way, in the land upon which Applicant constructs, maintains, repairs, or modifies the structures, pipelines or utilities, made the subject of this application, nor does HCDD make any representation or warranty as to the validity, quality or extent of such property interest, if any. Applicant acknowledges its understanding that HCDD in granting this permit, does not convey or grant to Applicant any rights, title or interest for which it has no legal authority to grant or convey.
10. Applicant binds itself to comply with all federal, state, and local laws or regulations and will obtain all necessary permits from all local and federal agencies required by law before installation or construction is begun.
11. Applicant will install its crossing structure in a manner and location as shown in the plans and specifications filed with HCDD in support of this application for permit. HCDD's engineer or other representative may at any time make such inspection as such engineer or other representative may deem necessary to assure that the construction of the crossing structure is in accordance with the plans and specifications submitted, and said engineer or representative shall have the right to temporarily suspend Applicant's work if necessary, while such inspection



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is being made. Should Applicant not install the crossing structure in accordance with the terms and conditions of this permit, Applicant agrees that the HCDD shall have the right to require, at Applicant's expense, the removal of the crossing structure and its replacement in conformance to said plans and specifications and conditions of this permit. HCDD may revoke this permit and suspend all work hereunder if it is determined by HCDD that the crossing structure is not being installed/constructed in accordance with such plans and specifications and conditions of this permit. The suspension or revocation of this permit shall not be a basis for a claim for damages against HCDD.

12. Except in emergency situations where it is necessary to protect life and property, Applicant will not make any change, modification, or alteration in or to the crossing structure without first securing a new or amended permit from HCDD prior to the making of any such change. Applicant will maintain the crossing structure hereby authorized in good and safe condition, and in accordance with plans, specifications, and this permit.
13. Applicant agrees to pay HCDD a permit fee to cover administrative costs in the amount of \$500.00 plus a reimbursement to HCDD for any necessary engineering fees which may be incurred for the study and processing of the Application, for each crossing of an HCDD ditch. This fee will permit a single crossing structure to cross at a single crossing location.

Requests to add additional crossing structures, not included in an initial permit application, must be made by separate application, with new permit fees paid accordingly and support data provided.

All permits fees must be submitted with the application for permit.

Permit fees submitted with this application for which crossing structure are not approved by HCDD Board of Directors will be refunded to Applicant.

Permit fees may be waived where Applicant is a state, county, municipality, or a special political division.



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14. The Applicant is allowed one hundred twenty days (120) from the granting of the permit to start construction of the crossing structure. Once started, the Applicant is allowed ninety (90) days to complete all work under such permit. All construction must be completed within two hundred ten (210) days from the date of issuance of permit. Upon application, extension of the time periods set forth in this paragraph may be granted by the HCDD Board of Directors. Such applications for extension must be received by HCDD at least thirty days before the expiration of the two hundred ten (210) days period. A new permit fee, in accordance with Paragraph 13 hereof, will be charged for each extension granted.

Construction of any crossing structure will not begin until written approval has been given by HCDD.

15. All provisions of the Drainage District Permit Administration Policy of HCDD, if any, and all amendments thereto, are hereby incorporated herein as part of the terms and conditions of this permit for all purposes.
16. Applicant warrants and represents that it has secured from all fee owners of the involved property an easement or other property rights to construct, repair or modify the crossing structure in the manner set forth herein.
17. This Drainage District Crossing Permit if granted by HCDD is subject to any and all other requirements, specifications and conditions listed in Exhibit A attached hereto.
18. HCDD requires the coordinates and elevations of all crossings in NAD 1983 and NAVD 1988 State Plane Texas South for each crossing structure.
19. This permit constitutes the entire agreement between the parties with regard to the subject matter hereof, and all prior agreements, representations, and negotiations between the parties regarding the subject matter are hereby superseded. This permit shall not be altered or amended except by an agreement in writing executed by the parties hereto.



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DRAINAGE DISTRICT CROSSING PERMIT APPLICATION PACKET

**APPROVAL OF APPLICATION BY
HIDALGO COUNTY DRAINAGE DISTRICT NO. 1**

Came on for consideration this _____ day of _____, 20____. The above and foregoing Application for Drainage Ditch Crossing Permit, and after consideration of the same by the Board of Directors of the Hidalgo County Drainage District No. 1, said Application and Agreement for Pipeline or Utility Permit is hereby APPROVED.

Hidalgo County Drainage District No. 1

Chairman, of the Board



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EXHIBIT A

The design shall be in accordance with AASHTO LRFD and ASCE 7-10 standard specifications, load combinations and load factors.

The construction shall be in compliance with ASTM and TxDOT standards for material testing.

The walkway shall comply with accessibility codes and shall be ADA compliant.

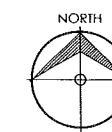
Lighting shall be in accordance with AASHTO and ANSI/IESNA standard specifications.

All building code requirements shall be met, when applicable.

A geotechnical investigation that includes soil borings at each proposed support location shall be submitted.

Drainage along walkway shall be taken into account.

The structure shall be above the 100 year water elevation. Calculation must be submitted to the district for review and approval.



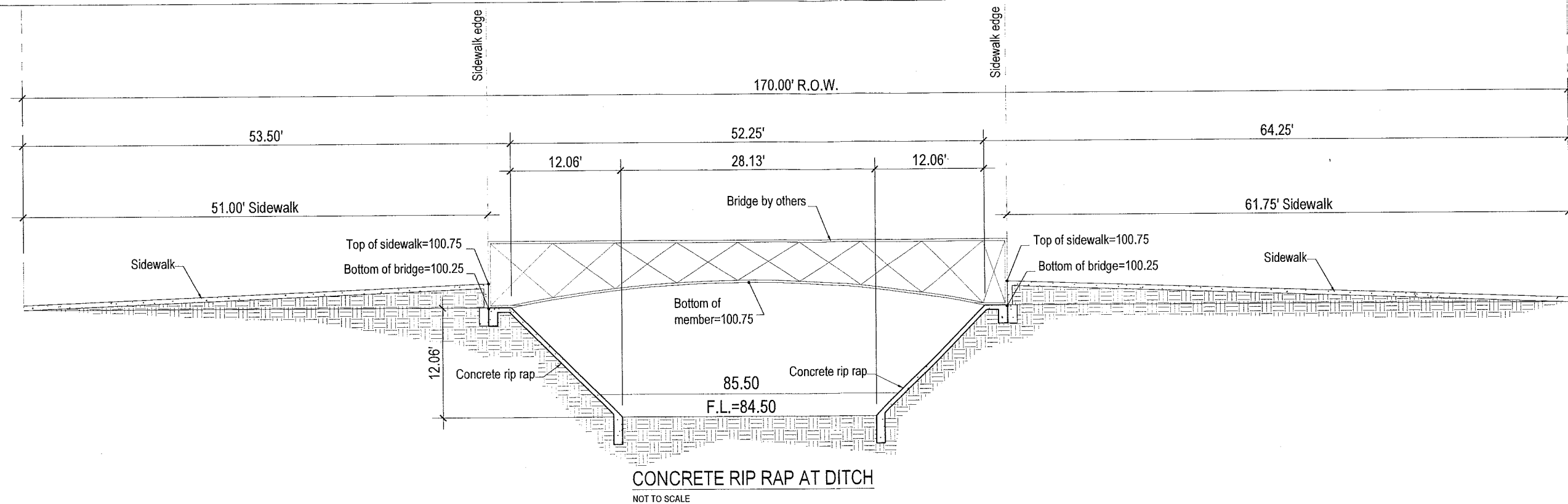
REVISIONS	BY

TITLE:
**PAVING & DRAINAGE
DETAILS**

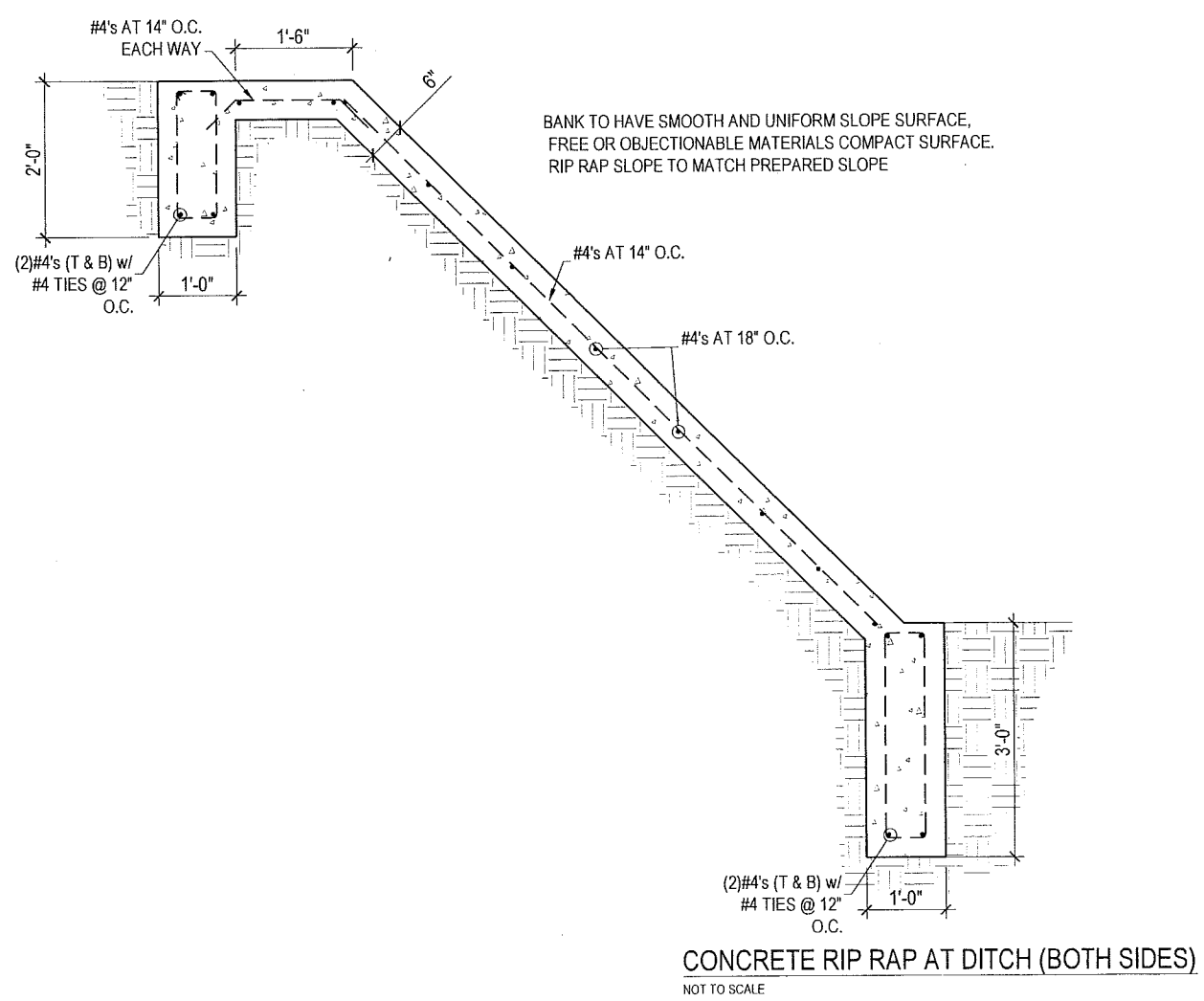
PROJECT:
**EDINBURG SOCCER
STADIUM**
Edinburg, TX

DRAWN BY:	
CHECKED BY:	
DATE:	MAY 19 2016
SCALE:	AS NOTED
DWG. NO.:	
SHEET	

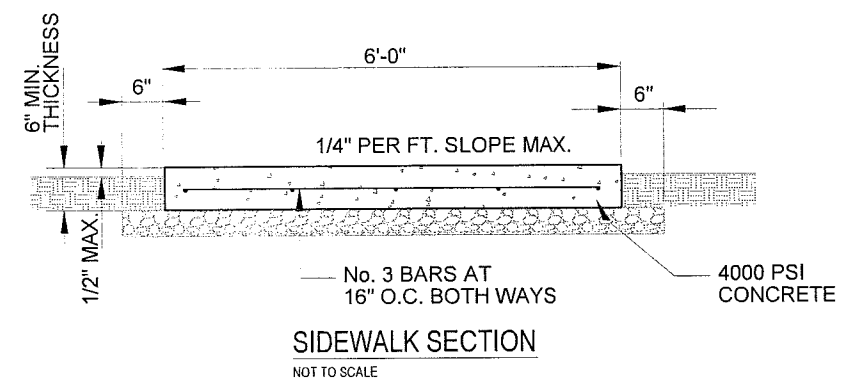
C5.2



CONCRETE RIP RAP AT DITCH
NOT TO SCALE



CONCRETE RIP RAP AT DITCH (BOTH SIDES)
NOT TO SCALE



SIDEWALK SECTION
NOT TO SCALE



GENERAL NOTES

- THIS CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE UNLESS OTHERWISE INDICATED. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING SAFETY NETS, SUPPORT AND BRACING FOR CRANES, PILING, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR THE ENGINEER DO NOT INCLUDE INSPECTION OF THE ABOVE AND BELOW ITEMS.
- ALL CONSTRUCTION AND QUALITY OF MATERIALS SHALL COMPLY WITH THE GOVERNING BUILDING CODES AND ORDINANCES. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, TOLERANCES AND CONDITIONS AT THE JOB SITE BEFORE COMMENCEMENT OF WORK AND SHALL IMMEDIATELY REPORT ANY DISCREPANCIES OR OBJECTIONS TO THE ARCHITECT AND ENGINEER IN WRITING. ANY OMISSION OR CONFLICT BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
- IN CASE OF CONFLICT, NOTES AND DETAILS ON THE BALANCE OF THE DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DRAWINGS TAKE PRECEDENCE OVER SPECIFICATIONS.
- WHERE CONSTRUCTION DETAILS ARE NOT SPECIFICALLY SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS SHOWN FOR SIMILAR CONDITIONS AND MATERIALS, WHERE SUFFICIENTLY SIMILAR WORK IS NOT SHOWN, THE ENGINEER SHALL BE CONSULTED FOR CLARIFICATION.
- EACH SUB-CONTRACTOR IS CONSIDERED AN EXPERT IN HIS RESPECTIVE FIELD AND SHALL PRIOR TO THE SUBMISSION OF A BID OR PERFORMANCE OF WORK, NOTIFY THE GENERAL CONTRACTOR, ARCHITECT, ENGINEER OR OWNER, IN WRITING OF ANY WORK CALLED OUT ON THE DRAWINGS IN HIS TRADE THAT CANNOT BE GUARANTEED OR PERFORMED AS INDICATED.
- THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AS TO WEIGHTS AND EXACT LOCATIONS, WITH STRUCTURAL SUPPORTS. IN THE EVENT THAT THE PURCHASED EQUIPMENT EXCEEDS IN WEIGHT AND LOCATION FROM THOSE INDICATED ON THE PLANS, THE ARCHITECT AND ENGINEER MUST BE NOTIFIED AND APPROVAL OBTAINED PRIOR TO INSTALLATION.
- THIS STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENTS ARE IN PLACE. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY BRACING AS REQUIRED TO INSURE THE VERTICAL AND LATERAL STABILITY OF THE ENTIRE STRUCTURE, OR ANY PORTION THEREOF, DURING CONSTRUCTION.
- NEITHER THE OWNER NOR THE ARCHITECT NOR THE ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- TRADE NAMES AND MANUFACTURERS REFERRED TO ARE FOR QUALITY STANDARDS ONLY. SUBSTITUTIONS WILL BE PERMITTED AS APPROVED BY THE ENGINEER.
- ANY OPTIONS OR APPROVED SUBSTITUTIONS ARE FOR CONTRACTORS CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES, ADDITIONAL COSTS (INCLUDING REDESIGN BY THE ENGINEER), AND COORDINATION WITH ALL ITEMS THAT THE SUBSTITUTIONS MAY IMPACT.
- THE ARCHITECT AND ENGINEER ARE TO BE NOTIFIED IN WRITING WHEN CONSTRUCTION AT THE SITE BEGINS.
- ANY QUESTIONS RELATED TO INTERPRETATION OR INTENT OF THESE DRAWINGS SHALL BE REFERRED TO THE ENGINEER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO LOCATE AND PROTECT ANY EXISTING UNDERGROUND OR CONCEALED CONDUIT, PLUMBING, OR OTHER UTILITIES PRIOR TO BEGINNING ANY WORK.
- PIPES, DUCTS, SLEEVES, CHASES, ETC. SHALL NOT BE PLACED IN BEAMS OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED, NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC. UNLESS NOTED CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC.

DESIGN CRITERIA

DESIGN LOADS, STRUCTURAL ANALYSIS AND PREPARATIONS OF STRUCTURAL MEMBERS ARE BASED UPON THE FOLLOWING CRITERIA:

1. LATERAL LOADS	IBC 2012
A. WIND SPEED (V ₃)	139 MPH
B. EXPOSURE CATEGORY	C
C. IMPORTANCE FACTOR	I
D. BUILDING CATEGORY	II
E. SEISMIC DESIGN CATEGORY	A
F. SITE CLASS	D
G. SEISMIC COEFFICIENTS	
S _s	0.056 g
S ₁	0.014 g
S ₂	2.5
F _v	3.5
S _{ms}	0.140 g
S _{m1}	0.050 g
S _{ms}	0.093 g
S _{u1}	0.033 g
2. VERTICAL LOADS	
ROOF:	
A. COLLATERAL LOAD:	0 PSF
DEAD LOAD (D):	ACTUAL WEIGHT PSF
C. LIVE LOAD (REDUCIBLE):	20 PSF
D. WIND UPLIFT LOAD (NET):	AS CALCULATED BY SUB-CONTRACTOR PSF
E. GROUND SNOW LOAD:	0 PSF
F. CRANE LOADS:	NONE
G. MECHANICAL UNITS	SEE PLANS
FLOOR:	
A. DEAD LOAD:	50 PSF
B. LIVE LOAD OFFICE:	50 PSF
C. LIVE LOAD LIGHT STORAGE:	125 PSF
D. LIVE LOAD HEAVY STORAGE:	250 PSF
E. LIVE LOAD ROOMS:	40 PSF
F. LIVE LOAD CORRIDOR:	100 PSF
G. MECHANICAL UNITS	SEE PLANS
4. SUBSURFACE INFORMATION	
A. PREPARED BY:	ORIGINAL REPORT
B. SHALLOW FOUNDATION	
MINIMUM FOOTING DEPTH:	24 INCHES
MINIMUM FOOTING WIDTH:	12 INCHES
ALLOWABLE BEARING PRESSURE (CONTINUOUS FOOTINGS):	2100 PSF
ALLOWABLE BEARING PRESSURE (ISOLATED FOOTINGS):	2400 PSF
WIRE REINFORCEMENT INSTITUTE (WRI) CRITERIA	
CLIMATIC RATING (C _w)	15
EFFECTIVE PLASTICITY INDEX (UNDISTURBED, NATIVE SOIL)	25
EFFECTIVE PLASTICITY INDEX (SITE IMPROVED SOIL)	18
P _{vr} (UNDISTURBED SOIL)	1.0 TO 1.5 INCHS
P _{vr} (WITH SITE IMPROVEMENT)	1.0 INCH

SHOP DRAWINGS AND SUBMITTALS

- SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED FOR REVIEW TO THE ENGINEER FOR EACH STRUCTURAL BUILDING MATERIAL AS INDICATED IN THE STRUCTURAL GENERAL NOTES AND THE CONTRACT SPECIFICATIONS. SEE THE CONTRACT SPECIFICATIONS FOR SUBMITTAL PROCEDURES AND ADDITIONAL INFORMATION.
- SHOP DRAWINGS SHALL USE DRAFTING LINE WORK AND LETTERING THAT IS CLEARLY LEGIBLE. SHOP DRAWINGS SHALL NOT CONTAIN NO REPRODUCTIONS OF THE CONTRACT AND DRAFTING INSTRUMENTS.
- SUBMIT SHOP DRAWINGS IN PDF FORMAT.
- SHOP DRAWINGS SHALL NOT SHOW MATERIALS FOR MORE THAN ONE LEVEL OF THE SAME PLAN.
- SHOP DRAWINGS SHALL SHOW CLEAR AND COMPLETE INFORMATION FOR THE FABRICATION (DETAIL SHEETS AND/OR MATERIAL LISTS) AND INSTALLATION.
- ALLOW A MINIMUM OF 2 WEEKS FOR REVIEW OF EACH SET OF SHOP DRAWINGS.
- CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS SUBMITTED BY THE SUB-CONTRACTOR AND COORDINATE SHOP DRAWINGS WITH ALL OTHER TRADES.
- CONTRACTOR SHALL ANSWER ALL QUESTIONS OR CLARIFICATIONS BY THE SUB-CONTRACTOR BEFORE SUBMITTING TO ENGINEER FOR REVIEW. ANY QUESTIONS THAT THE CONTRACTOR CANNOT ANSWER WITH THE INFORMATION ON THE DRAWINGS SHALL BE CLEARLY MARKED FOR ENGINEER REVIEW.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS. SEE NOTE NUMBER 3 UNDER GENERAL NOTES.
- REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL CONFERENCE TO THE STRUCTURAL DRAWINGS. REVIEW OF THE SHOP DRAWINGS FOR THE PERFORMANCE DOES NOT RELIEF THE CONTRACTOR FOR ANY ERRORS IN DIMENSIONS OR MATERIALS INDICATED ON THE SHOP DRAWINGS.
- IF THERE IS ANY DISCREPANCY BETWEEN THE STRUCTURAL DRAWINGS AND SHOP DRAWINGS, THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS GOVERN. INFORMATION THAT IS NOT INDICATED ON THE SHOP DRAWINGS SHALL BE OBTAINED FROM THE STRUCTURAL DRAWINGS.
- PROVIDE SUBMITTALS FOR THE FOLLOWING ITEMS:

ITEM	REQUIRED
A. CONCRETE MIX DESIGN	X
B. CURING COMPOUND FOR CONCRETE	X
C. REINFORCING STEEL	X
D. STRUCTURAL STEEL	X

REINFORCING STEEL

- BAR REINFORCEMENT SHALL CONFORM TO THE FOLLOWING GRADES OF ASTM A615, INCLUDING SUPPLEMENT S1, GRADE 40 - #3 AND SMALLER GRADE 60 - #4 AND LARGER.
- DETAILS OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF THE AMERICAN CONCRETE INSTITUTE (ACI) 308.3R-08.
- VERTICAL REINFORCEMENT SHALL BE TIED OR OTHERWISE FIXED IN POSITION AT THE TOP AND BOTTOM AND AT INTERMEDIATE LOCATIONS, SPACED NOT GREATER THAN 192 BAR DIAMETERS OR 48" O.C. WHICHEVER IS LESS. IN MASONRY CONSTRUCTION, THE REINFORCEMENT SHALL BE SECURED IN PLACE WITH REBAR SPACERS AND SHALL NOT BE SPACED APART MORE THAN 48 INCHES ON CENTER.
- WELDED STEEL WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185.
- WALLS, PILARS, AND COLUMNS SHALL BE DOWELED TO THE SUPPORTING FOOTINGS WITH REINFORCEMENT OF THE SAME SIZE, GRADE AND AT THE SAME SPACING AS THE VERTICAL REINFORCEMENT IN THE WALLS, PILARS, OR COLUMNS.
- BAR SUPPORTS SHALL BE PROVIDED FOR SLABS ON GRADE AND ORNATE BEAMS. USE STANDARD SPECIFICATIONS "AS CONTAINED IN THE LATEST EDITION OF THE "MANUAL OF STANDARD PRACTICE" BY THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
- PLASTIC CHAIRS ARE NOT ALLOWED FOR SLABS ON GRADE AND ORNATE BEAMS. USE CONCRETE BRICK CHAIRS.
- REINFORCING STEEL DETAILING, BENDING AND PLACING SHALL BE IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE" LATEST EDITION.
- ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE BEFORE PLACING CONCRETE OR GROUT, INCLUDING EXTERIOR DOWNWARD CMU OR CONCRETE WALLS.
- PROVIDE CORNER BARS TOP AND BOTTOM AT ALL BEAM CORNERS AND DEAD END BEAM INTERSECTIONS. BARS TO EQUAL SIZE AND QUANTITY OF THE NOTED BEAM STEEL.
- BARS SHALL LAP BEAM REINFORCEMENT 40 BAR DIAMETERS.
- BARS DETAIL AS CONTINUOUS SHALL BE LAPPED 40 BAR DIAMETERS AT SPLICES.
- EXTEND THE SLAB REINFORCING STEEL PERPENDICULAR TO BEAM TO THE TOP OUTSIDE REINFORCING BAR OF PERIMETER BEAMS. START THE SLAB REINFORCING STEEL PARALLEL TO BEAM, NOT MORE THAN 6" FROM THE TOP INSIDE REINFORCING BAR OF PERIMETER BEAMS.
- PROVIDE #4 "C" BARS AT 12" ON CENTER WHERE THE SLAB STEPS DOWN MORE THAN 3". THE 2" BARS SHALL LAP THE MAIN SLAB REINFORCING STEEL 40 BAR DIAMETERS.
- ALL CONDUIT OR PLUMBING LINES IN SLAB SHALL BE PLACED BELOW SLAB REINFORCING. WHERE SURFACES ARE NOT GREATER THAN 1" DIAMETER AND TO BE PLACED IN CENTER OF SLAB, NO PLUMBING LINES GREATER THAN 1 INCH ALLOWED IN THE SLAB.
- WELDING OF CROSSING BARS AND TACK WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
- WELDING OF REINFORCING STEEL, IF PERMITTED BY THE STRUCTURAL ENGINEER, SHALL BE PERFORMED IN ACCORDANCE WITH THE "STRUCTURAL WELDING CODE REINFORCING STEEL" OF THE AMERICAN WELDING SOCIETY, AWS D1.4-85 AS INCORPORATED IN CBC CHAPTER 19, AND BY CERTIFIED WELDERS QUALIFIED USING PROCEDURES CONTAINED THEREIN. E70XX ELECTRODES SHALL BE USED IN WELDING GRADE 60 REINFORCEMENT. REINFORCEMENT SHALL NOT BE WELDED UNTIL A CHEMICAL ANALYSIS SUFFICIENT TO DETERMINE THE CARBON EQUIVALENT (C.E.) IS PERFORMED. THE C.E. OF REINFORCING STEEL SHALL BE CALCULATED FROM THE CHEMICAL COMPOSITION AS SHOWN IN THE MILL TEST REPORT. IF MILL TEST REPORTS ARE NOT AVAILABLE, A CHEMICAL ANALYSIS SHALL BE MADE ON REINFORCEMENT REPRESENTATIVE OF THOSE TO BE WELDED. THE C.E. SHALL NOT EXCEED 0.55 AS CALCULATED PER IBC CHAPTER 19. A COPY OF THE MILL TEST OF REINFORCING STEEL IN CONCRETE MEMBERS, (SPECIAL INSPECTION IS REQUIRED FOR ALL FIELD WELDING).
- CONTRACTOR SHALL SUBMIT REINFORCING STEEL SHOP DRAWINGS FOR REVIEW BEFORE FABRICATION AND INSTALLATION.
- CONCRETE COVER FOR REINFORCING AS FOLLOWS:

EXPOSURE CONDITION	MINIMUM TOLERANCE COVER
DRILLED PIERS, FOOTINGS AND OTHER PRINCIPAL STRUCTURAL MEMBERS IN WHICH CONCRETE IS DEPOSITED AGAINST GROUND; WHERE CONCRETE SURFACES, AFTER REMOVAL OF FORMS, ARE EXPOSED TO WEATHER OR GROUND:	3" 3/8"
FOR BARS 5/8" IN DIAMETER	2" 1/4"
FOR BARS 3/4" OR LESS IN DIAMETER	1 1/2" 1/4"
OR GROUND:	
FOR SLAB ON GRADE (FROM TOP OF SLAB)	1 1/2" 1/4"
FOR BEAMS, COLUMNS	1 1/2" 1/4"
FOR JOISTS AND SLABS	1" 1/8"

- LAPS AT BAR SPLICES, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
- MASONRY - GRADE 60: LAP 50 DIA. (30" MIN.)
- GRADE 40: LAP 48 DIA. (24" MIN.)
- CONCRETE - LAP PER SCHEDULE BELOW

BAR SPLICE LAP LENGTH IN CONCRETE	F _c	F _y
SIZE	2000 PSI	3000 PSI
#3	22	22
#4	29	29
#5	36	36
#6	43	43
#7	54	54
#8	63	63
#9	71	71
#10	80	80
#11	115	115
#12	141	141

FOR WELDED WIRE FABRIC: SPACING OF WIRE PLUS 12"

STRUCTURAL STEEL

- MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE LATEST EDITION OF THE AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
 - STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING ASTM DESIGNATIONS:
- | MATERIAL | DESIGNATION | STRENGTH |
|----------------------------------|-------------|--------------------------------|
| ANCHOR BOLTS | A36 | F _y =36 ksi |
| PLATES | A36 | F _y =36 ksi |
| ANGLES | A36 | F _y =36 ksi |
| CHANNELS | A36 | F _y =36 ksi |
| WIDE FLANGE SHAPES | A572 | F _y =50 ksi |
| STEEL PIPE | A513 | F _y =35 ksi |
| SQUARE & RECT. STEEL TUBES (HSS) | A500 | GRADE B F _y =35 ksi |
| ROUND TUBES (HSS) | A500 | GRADE B F _y =42 ksi |
- ALL STRUCTURAL STEEL SHALL BE FABRICATED, ERECTED, AND PAINTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AS AMENDED TO DATE AND THE CODE OF STANDARD PRACTICE, LATEST EDITION AS ADOPTED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AMENDED AS FOLLOWS: SECTION 4.21, DELETE FIRST TWO SENTENCES. SECTION 7, ALL REFERENCE TO OWNER SHALL BE CHANGED TO GENERAL CONTRACTOR. SECTION 7.8.3, THE CONTRACTOR SHALL PROVIDE THE SEQUENCE AND SCHEDULE OF PLACEMENT OF NON-Self SUPPORTING STEEL FRAMES. SECTION 7.8.4, THE CONTRACTOR TO DESIGN SHORES, JACKS OR LIDS. SECTION 7.8.5, ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION AS PUBLISHED BY THE AMERICAN WELDING SOCIETY, EXCEPT THAT ALL WELDING SHALL BE DONE BY THE ELECTRIC ARC PROCESS. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS AND SHALL CONFORM TO ANSWS D1-1.04. SECTION 7.8.6, THE CONTRACTOR SHALL PROVIDE THE SEQUENCE AND SCHEDULE OF PLACEMENT OF NON-Self SUPPORTING STEEL FRAMES. SECTION 7.8.7, ALL WELDED CONNECTIONS SHALL BE DESIGNED BY STRUCTURAL ENGINEER. ANY CONNECTION NOT DETAILED OR SCHEDULED OR ALTERED FOR FABRICATION PURPOSES SHALL BE SIZED AND DETAILED BY FABRICATOR AND SHALL BE MARKED FOR ENGINEER'S VERIFICATION. FABRICATOR SIZED AND DETAILED CONNECTIONS SHALL SUPPORT ONE HALF THE TOTAL UPRIGHT LOAD CAPACITY SHOWN IN THE TABLES OF UNIFORM CONSTANTS, PART 2 OF THE AISC MANUAL OF STEEL CONSTRUCTION FOR THE GIVEN BEAM, SPAN AND GRADE OF STEEL SPECIFIED. THE EFFECT OF ANY CONCENTRATION LOADS MUST BE TAKEN INTO ACCOUNT. SEE ARCHITECTURAL PLANS FOR MISCELLANEOUS STEEL ITEMS NOT INDICATED ON STRUCTURAL DRAWINGS. STEEL ITEMS SHOWN ON ARCHITECTURAL DRAWINGS AND NOT SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGN BY THE STEEL FABRICATOR. SEE DESIGN CRITERIA FOR LOADING.
 - ALL WELDED CONNECTIONS SHALL BE MADE USING 1/4" FILLET WELD, U.N.O.
 - ALL BOLTED CONNECTIONS SHALL BE MADE USING 3/4" DIAMETER HIGH STRENGTH BOLTS, ASTM A325, BEARING TYPE CONNECTION IN WASHERS ASTM F436, U.N.O. ON DESIGN DRAWINGS. SPECIAL INSPECTION REQUIRED FOR ALL HIGH STRENGTH BOLTING. ALL NUTS SHALL BE PER ASTM A563.
 - CONNECTION ANCHORS AND WEDGERS SHALL BE MADE WITH 1/4" THICK PLATES, UNLESS OTHERWISE NOTED ON PLANS.
 - ALL STEEL (INCLUDING BOLTS) EXPOSED TO THE WEATHER SHALL BE HOT DIPPED GALVANIZED (INCLUDES STEEL THAT IS ONLY COVERED WITH PLASTER OR STUCCO), SEE ARCHITECTURAL PLANS IF STRICTER REQUIREMENTS ARE REQUIRED.
 - ALL EXPOSED STEEL SHALL FOLLOW SECTION 10 OF THE CODE OF STANDARD PRACTICE OF AISC. SECTION 10 OF THE CODE ADDRESSES ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS).
 - CONNECTION SHALL BE PER HOLLOW STRUCTURAL SECTIONS, CONNECTION MANUAL BY AISC.
 - WHERE STEEL MEMBER SPAN THROUGH CMU WALLS, PROVIDE HALF INCH GAP BETWEEN THE CMU AND THE STEEL MEMBER, PROVIDE ELASTOMERIC MATERIAL BETWEEN THE STEEL MEMBER AND CMU WALL.
 - ALL BEAMS NOT SHOWN SHALL BE W4x24. ALL COLUMNS NOT SHOWN SHALL BE HSS44x14.
 - STEEL SHOP SHALL BE AISC CERTIFIED.
 - HOLES FOR BOLTS IN STRUCTURAL STEEL SHALL BE DRILLED OR PUNCHED. BURNING OF HOLES SHALL NOT BE PERMITTED, UNLESS NOTED OTHERWISE. HOLES SHALL BE STANDARD SIZE 1/16 INCH LARGER THAN THE BOLT.
 - ALL STRUCTURAL STEEL SHAPES SHALL BE PRIMED WITH A RUST RESISTANT PRIMER BEFORE SHIPMENT TO THE PROJECT SITE. PRIMER SHALL NOT BE APPLIED TO THE IMMEDIATE AREA OF STEEL INTENDED TO RECEIVE LATELIP CRITICAL BOLTED CONNECTIONS.
 - HIGH STRENGTH BOLTS INSTALLATION SHALL BE CONTINUOUSLY INSPECTED BY A SPECIAL INSPECTOR, FOLLOWING ARE REQUIREMENTS OF THE SPECIAL INSPECTOR:
 - HE SHALL VERIFY THE MILL CERTIFICATES FOR MATERIAL.
 - HE SHALL VERIFY THAT THE MATERIAL USED ARE PROPERLY STORED AND PREPARED FOR USE.
 - HE SHALL VERIFY THAT CONSTRUCTION DETAILS, PROCEDURES, TOOL CALIBRATIONS WORKMANSHIP ARE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND BUILDING CODE.
 - FOR SNUG-TIGHT CONNECTIONS, HE SHALL VERIFY THAT THE PLIES OF THE CONNECTED ELEMENTS HAVE BEEN BROUGHT INTO SNUG CONTACT WITH EACH OTHER.
 - FOR SLIP-TIGHT CONNECTIONS, HE SHALL VERIFY THE PRETENSION METHOD SELECTED BY THE CONTRACTOR HAS INDUCED THE REQUIRED MINIMUM TENSION IN THE BOLT.
 - A CERTIFICATE OF INSPECTION SHALL BE FURNISHED BY THE SPECIAL INSPECTOR TO THE BUILDING OFFICIAL PRIOR TO HIS INSPECTION AND TO THE ARCHITECT AND ENGINEER.
 - WELDING IN THE FIELD SHALL BE CONTINUOUSLY INSPECTED, BY A SPECIAL INSPECTOR FOLLOWING ARE REQUIREMENTS OF THE SPECIAL INSPECTOR:
 - HE SHALL VERIFY THAT THE MATERIAL USED ARE PROPERLY STORED AND PREPARED FOR USE.
 - HE SHALL VERIFY THE WELDER'S QUALIFICATIONS.
 - A CERTIFICATE OF INSPECTION SHALL BE FURNISHED BY THE SPECIAL INSPECTOR TO THE BUILDING OFFICIAL PRIOR TO HIS INSPECTION AND TO THE ARCHITECT AND ENGINEER.
 - ALL NON SHRINK GROUT FOR LEVELING OF BASE PLATES SHALL HAVE A MINIMUM 5000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. GROUT SHALL COMPLY WITH CORPS OF ENGINEERS SPECIFICATION CRD-C-81.
 - AT ALL TUBES, PROVIDE 3/8" THICK END PLATE, U.N.O.

ALLOWANCE

- IN ADDITION TO THE MATERIAL SHOWN, THE CONTRACTOR TO PROVIDE ADDITIONAL MATERIAL FOR USE ON THE PROJECT AS DIRECTED BY THE STRUCTURAL ENGINEER LABOR REPRESENTATIVE. THE ALLOWANCE COST SHALL INCLUDE MATERIAL COST, LABOR COSTS AND PLACEMENT AT THE SITE.
 - REMAINING BALANCE AT THE END OF THE PROJECT SHALL BE RETURNED/CREDITED BACK TO THE OWNER.
 - THE ALLOWANCE SHALL APPEAR ON THE SCHEDULE OF VALUE AS A LINE ITEM.
- | MATERIAL | ALLOWANCE |
|-------------------|------------|
| CONCRETE | 2 CU. YD. |
| REINFORCING STEEL | 1000 LBS |
| STRUCTURAL STEEL | 200 LBS |
| CMU | 20 SQ. FT. |

SPECIAL NOTES TO OWNER

- UNDER NORMAL CONDITIONS, AND FOR CONVENTIONAL BUILDINGS SUCH AS THE SUBJECT MATTER, REINFORCED CONCRETE AND MASONRY DEVELOP CRACKS. THE CRACKS ARE DUE TO INHERENT SHRINKAGE OF CONCRETE, CREEP AND RESTRAINING EFFECTS OF VERTICAL AND OTHER STRUCTURAL ELEMENTS TO WHICH THE BEAMS/SLABS ARE TIED.
- THE CRACKS FORMED ARE NORMALLY COSMETIC. THE SLAB MAINTAINS ITS STRENGTH AND STRENGTH REQUIREMENTS. IT IS EMPHASIZED THAT ALTHOUGH SPECIAL EFFORT IS MADE TO REDUCE THE POTENTIAL CAUSES AND NUMBER OF SUCH CRACKS, IT IS NOT PRACTICAL TO PROVIDE TOTAL ARTICULATION BETWEEN THE FLOOR SYSTEM AND ITS SUPPORTS AND THEREBY ACHIEVE COMPLETE INHIBITION OF ALL CRACKS.
- MOST SUCH CRACKS DEVELOP OVER THE FIRST THREE YEARS OF THE LIFE OF THE FLOOR SYSTEM. CRACKS WHICH ARE WIDER THAN 0.01 INCH MAY NEED TO BE PRESURE EPOXYED. REFER TO THE NOTES UNDER "ALLOWANCES".
- THE OBJECT OF THE JOINTS PROVIDED IS TO ALLOW MOVEMENT, MOVEMENTS DUE TO CREEP AND SHRINKAGE MAY BE NOTICEABLE AT JOINTS UP TO TWO YEARS AFTER CONSTRUCTION. BEYOND WHICH MOVEMENTS DUE TO VARIATIONS IN TEMPERATURE WILL PERSIST.

CAST-IN-PLACE CONCRETE

- VERIFY ALL DIMENSIONS. COORDINATE WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT AND/OR ENGINEER OF ANY DISCREPANCIES. ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE". ACI #315 LATEST EDITION THE MINIMUM 28 DAYS CYLINDER STRENGTH SHALL BE AS FOLLOWS:
- | LOCATION | STRENGTH AT 28 DAYS | MAXIMUM SLUMP | SIZE OF LARGE AGGREGATE | WATER/CEMENT RATIO |
|---------------|---------------------|---------------|-------------------------|--------------------|
| FOUNDATIONS | 3000 PSI | 5" | 1 1/2" | 0.55 |
| SLAB ON GRADE | 3000 PSI | 5" | 1 1/2" | 0.55 |
| GRADE BEAMS | 3000 PSI | 5" | 1 1/2" | 0.55 |
| WALL | 3000 PSI | 6" | 3/4" | 0.55 |
- NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN SLABS OR BEAMS.
 - VERTICAL CONSTRUCTION JOINTS IN SLABS ARE TO BE AS SHOWN ON PLANS OR AS APPROVED BY ENGINEER.
 - ALL OPENINGS IN SLAB (FOR PIPING, DRAINS, ETC.) SHALL BE SEALED WITH 1/2 SEALANT "2A" (SELF-LEVELING 2-PART POLYURETHANE).
 - UTILITIES THAT PROJECT THROUGH SLAB FLOORS SHOULD BE DESIGNED WITH EITHER SOME DEGREE OF FLEXIBILITY OR WITH SLEEVES IN ORDER TO PREVENT DAMAGE TO THESE LINE SHOULD VERTICAL MOVEMENT OCCUR.
 - BACKFILL AROUND PERIMETER TO PROVIDE POSITIVE DRAINAGE AWAY FROM SLAB.
 - F-NUMBER SYSTEM

FLATNESS (F _f)	COMPOSITE	MINIMUM LOCAL VALUE
LEVELNESS (F _l)	25	19

- IN ALL INSTANCES MINIMUM SLAB THICKNESS SHALL BE OBTAINED. COORDINATE SLAB FINISHES WITH ARCHITECTURAL PLANS.
- ANCHOR BOLTS, DOWELS, INSERTS, ETC. SHALL BE SECURELY TIED IN PLACE PRIOR TO PLACING CONCRETE.
- REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ALL MOLDS, GROOVES, REGLETS, ORNAMENTAL CLIPS, PIPES, CONDUITS, INSERTS, ETC. TO BE CAST IN CONCRETE. PROVIDE OVERSIZED SLEEVES FOR PLUMBING AND ELECTRICAL CONDUITS AND PIPES OR DUCTS SHALL BE PLACED IN CONCRETE. FOOTINGS, OR SLAB UNLESS SPECIFICALLY DETAILED IN THESE PLANS, OR AS DIRECTED BY THE ENGINEER.
- MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED.
- CONCRETE TESTING SHALL BE ONE SET OF CYLINDERS FOR EVERY 50 CUBIC YARDS OR PORTION THEREOF FOR EACH TYPE OF CONCRETE POURED ON ANY GIVEN DAY. ONE SET CONSISTS OF 2 CYLINDERS TESTED FOR COMPRESSION AT 7 DAYS AND 2 CYLINDERS AT 28 DAYS.
- A VAPOR RETARDANT (UNDER SLAB): SHALL CONFORM TO ASTM E1745, CLASS A OR BETTER AND SHALL HAVE A MINIMUM WATER VAPOR PERMEANCE OF 0.01 PERMS. VAPOR RETARDANT SHALL BE APPLIED TO ALL SURFACES OF THE CONCRETE MIX DESIGN WILL PRODUCE A CONCRETE WHICH WILL MEET THE SPECIFICATIONS FOR THIS PROJECT. IN ADDITION, THE CONTRACTOR AND CONCRETE FINISHER SHALL VERIFY THAT THE WORKABILITY, FINISHABILITY AND SETTING TIMES ARE APPROPRIATE FOR SLAB FINISHING. ALL CONCRETE PLACEMENT SHALL BE MADE BY CHUTE DIRECTLY FROM THE CONCRETE TRUCKS. IF PUMPING OF THE CONCRETE IS CONTEMPLATED FOR ANY SPECIAL LOCATIONS, THE PROPORTIONS ESTABLISHED ABOVE SHALL NOT BE ALTERED TO SUIT THE CAPABILITIES OF THE PUMPING EQUIPMENT.
- A LAYERS SMOOTHLY, STRETCH AND WEIGHT EGGS, LAP JOINTS TWELVE (12) INCHES AND SEAL WITH TAPE AS SPECIFIED BY VAPOR RETARDANT MANUFACTURER. TURN BARRIER UP SIX (6) INCHES AT WALLS AND AT ALL PIPES, ABUTMENTS, ETC. TAP AND SEAL AT PENETRATIONS AND AT EDGES.
- A LAYERS SMOOTHLY, STRETCH AND WEIGHT EGGS, LAP JOINTS TWELVE (12) INCHES AND SEAL WITH TAPE AS SPECIFIED BY VAPOR RETARDANT MANUFACTURER. TURN BARRIER UP SIX (6) INCHES AT WALLS AND AT ALL PIPES, ABUTMENTS, ETC. TAP AND SEAL AT PENETRATIONS AND AT EDGES.
- A PATCH ALL PUNCTURES WITH A MINIMUM OVERLAP OF 6" IN ALL DIRECTIONS AND TAPE AROUND ENTIRE PERIMETER OF REPAIR.

- ALL CONDUIT OR PLUMBING LINES IN SLAB SHALL BE PLACED BELOW SLAB REINFORCING. ALL CONDUIT OR PLUMBING LINES SHALL NOT BE GREATER THAN 1 INCH DIAMETER AND SHALL BE PLACED NEAR THE CENTER OF THE SLAB AS MUCH AS POSSIBLE.

- PRE-INSTALLATION CONFERENCE:
 - AT LEAST 30 DAYS PRIOR TO THE START OF THE CONCRETE SLAB CONSTRUCTION SCHEDULE, THE CONTRACTOR SHALL CONDUCT A MEETING TO REVIEW THE PROPOSED MIX DESIGNS AND TO DISCUSS THE REQUIRED METHODS AND PROCEDURES TO ACHIEVE THE REQUIRED CONCRETE CONSTRUCTION. THE CONTRACTOR SHALL SEND A PRE-CONCRETE CONFERENCE AGENDA TO ALL ATTENDEES 20 DAYS PRIOR TO THE SCHEDULED DATE OF THE CONFERENCE.
 - CONCERNED WITH THE CONCRETE WORK TO ATTEND THE CONFERENCE, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - CONTRACTOR'S SUPERINTENDENT
 - LABORATORY RESPONSIBLE FOR CONCRETE MIXES AND/OR FIELD QUALITY CONTROL
 - READY-MIX CONCRETE PRODUCER
 - CONCRETE SUBCONTRACTOR
 - ADMIXTURE MANUFACTURER(S)
 - LIQUID DENSIFIER AND SEALER MANUFACTURER
 - LIQUID DENSIFIER AND SEALER APPLICATION
 - JOINT FILLING APPLICATOR
 - MINUTES OF THE MEETING SHALL BE RECORDED, TYPED AND PRINTED BY THE CONTRACTOR AND DISTRIBUTED BY HIM TO ALL CONCERNED PARTIES, INCLUDING THE OWNER'S REPRESENTATIVE, THE ARCHITECT, AND THE STRUCTURAL ENGINEER WITHIN FIVE DAYS OF THE MEETING.
- CONCRETE SUBCONTRACTOR QUALIFICATION:
 - THE CONCRETE SUBCONTRACTOR SHALL INCLUDE IN THEIR BID PACKAGE TO THE CONTRACTOR, SUFFICIENT DATA THAT CLEARLY INDICATES THE CONCRETE CONTRACTOR'S ABILITY TO SUCCESSFULLY PERFORM THE WORK AND TO ACHIEVE THE FLOOR SLAB TOLERANCES SPECIFIED IN THIS SECTION. THE CONCRETE SUBCONTRACTOR'S TEAM SHALL HAVE PARTICIPATED IN THE MAJORITY OF THESE PROJECTS, AND THAT TEAM SHALL REMAIN THE SAME THROUGH THE DURATION OF THIS PROJECT.

- CONCRETE MATERIAL:
 - PORTLAND CEMENT: ASTM C 150, TYPE I, USE ONE BRAND OF CEMENT THROUGHOUT THE PROJECT.
 - COARSE AND FINE AGGREGATES: ASTM C 33, COMBINED AGGREGATE GRADATION FOR SLAB ON GRADE AND OTHER DESIGNATED CONCRETE SHALL BE 6% - 10% FOR LARGE TOP AGGREGATES (1 1/2" OR 6% - 22% FOR SMALLER TOP SIZE AGGREGATES (1" OR 3/4") RETAINED ON EACH SIEVE BELOW THE TOP SIZE AND ABOVE THE NO. 100 SIEVE. SLABS ON GRADE SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 1 1/2" FOOTINGS AND PIERS 1 1/2" AND BEAMS 3/4".
 - WATER: COMPLYING WITH ASTM C 94.
 - ALL CONCRETE SHALL CONTAIN "POZZOLITH" ADMIX AS PER MANUFACTURER'S SPECIFICATIONS, IN ACCORDANCE WITH ASTM C 494.
- ADMIXTURES:
 - AIR-ENTRAINING ADMIXTURES: SHALL CONFORM TO ASTM C-260. ADMIXTURE MANUFACTURERS SHALL PROVIDE WRITTEN CERTIFICATION THAT THE AIR-ENTRAINING ADMIXTURE IS COMPATIBLE WITH OTHER REQUIRED ADMIXTURES. ALL EXTERIOR SLABS SHALL BE AIR-ENTRAINED (4% - 6%), ACCEPTABLE PRODUCTS: EUCLID CHEMICAL AEA-92 AND ARMIK 200, MASTER BUILDERS MICROAIR, W.R. GRACE DARACEM 1000 AND DARX-11. NOTE: AIR-ENTRAINING ADMIXTURE SHALL NOT BE USED ON INTERIOR CONCRETE.
 - WATER-REDUCING ADMIXTURE: SHALL CONFORM TO ASTM C494, TYPE A AND CONTAIN NOT MORE THAN 0.05% CHLORIDE IONS. ACCEPTABLE PRODUCTS: EUCLID CHEMICAL AEA-92 AND W-99-91, MASTER BUILDERS 3009 AND 332N, W.R. GRACE WRD36 AND WRD464.
 - WATER REDUCING, RETARDING ADMIXTURE: SHALL CONFORM TO ASTM C494, TYPE D, AND CONTAIN NOT MORE THAN 0.05% CHLORIDE IONS. ACCEPTABLE PRODUCTS: EUCLID CHEMICAL RETARDER 75, MASTER BUILDERS POZZOLITH R, W.R. GRACE DARATARD 17.
 - HIGH RANGE WATER-REDUCING ADMIXTURE (SUPERPLASTICIZER): SHALL CONFORM TO ASTM C494, TYPE F OR TYPE G AND CONTAIN NOT MORE THAN 0.05% CHLORIDE IONS. ACCEPTABLE PRODUCTS: EUCLID CHEMICAL AEA-92, MASTER BUILDERS REOBUILD 1000 W.R. GRACE DARACEM - 1000.
 - WATER-REDUCING, NON-CORROSIVE ACCELERATING ADMIXTURE: SHALL CONFORM TO ASTM C494, TYPE C OR E, AND CONTAIN NOT MORE CHLORIDES THAN ARE PRESENT IN MUNICIPAL DRINKING WATER. THE ADMIXTURE MANUFACTURER MUST HAVE LONG-TERM, NON-CORROSIVE TEST DATA FROM AN INDEPENDENT TESTING LABORATORY (OF AT LEAST A YEAR'S DURATION) USING AN ACCEPTABLE ACCELERATED CORROSION TEST METHOD SUCH AS THAT USING ELECTRICAL POTENTIAL MEASURES. ACCEPTABLE PRODUCTS: EUCLID CHEMICAL ACELUGARD 8090 AND ACELUGARD NCA, MASTER BUILDERS NC534 AND POZZU TEC 20, W.R. GRACE POLARSET.
- PROHIBITED ADMIXTURES:
 - CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.05% CHLORIDE IONS ARE NOT PERMITTED.
 - FLYASH: A MAXIMUM OF 20% AS CEMENT REPLACEMENT ALLOWED

- EVAPORATION RETARDER:
 - WATERBORNE, MONOMOLECULAR FILM FORMING, MANUFACTURED FOR APPLICATION TO CONCRETE SURFACES.
 - ACCEPTABLE PRODUCTS: "EUOCBAR" BY THE EUCLID CHEMICAL COMPANY - CONTACT: PHIL BRANDT (877) 438-3828
- CURING MATERIALS:
 - EXTERIOR CURING: ALL EXTERIOR CONCRETE SLABS SHALL BE CURED USING A LIQUID MEMBRANE-FORMING CURING COMPOUND, THE LIQUID MEMBRANE-FORMING CURING COMPOUND SHALL MEET THE REQUIREMENTS OF ASTM C 1515 WITH A MAXIMUM V.O.C. CONTENT OF 700 G/L.
 - ACCEPTABLE PRODUCTS: "SUPER REZ SEAL" BY EUCLID CHEMICAL COMPANY - CONTACT PHIL BRANDT (877) 438-3828
 - INTERIOR CURING: ALL INTERIOR CONCRETE SLABS SHALL BE CURED USING A REDUCED ODOR, DISSIPATING LIQUID MEMBRANE FORMING CURING COMPOUND THAT IS FORMULATED FROM HYDROCARBON RESINS. THE DISSIPATING LIQUID MEMBRANE FORMING CURING COMPOUND SHALL MEET THE REQUIREMENTS OF ASTM C-309 AND V.O.C. CONTENTS IN ACCORDANCE TO EPA 40 CFR, PART 59, TABLE I SUBPART D FOR CONCRETE CURING COMPOUNDS WITH A MAXIMUM V.O.C. CONTENT OF 35

SPECIAL INSPECTION, MATERIALS TESTING.

- RESPONSIBILITIES OF THE OWNER
 - EMPLOY AND PAY THE SPECIAL INSPECTION AGENCY TO PERFORM INSPECTIONS SPECIFIED IN THIS SECTION AND THOSE REQUIRED BY AUTHORITIES HAVING JURISDICTION.
 - EMPLOY AND PAY THE MATERIALS TESTING LABORATORY TO PERFORM TESTS SPECIFIED IN THIS SECTION AND THOSE REQUIRED BY AUTHORITIES HAVING JURISDICTION.
 - RETESTING - THE CONTRACTOR SHALL REIMBURSE THE OWNER FOR RETESTING WHERE RESULTS OF INSPECTIONS AND TESTS PROVE UNSATISFACTORY AND INDICATE NONCOMPLIANCE WITH REQUIREMENTS.
 - EMPLOY THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE STRUCTURAL DESIGN OR ANOTHER ENGINEER OR ARCHITECT DESIGNATED BY THE (DPR) TO PERFORM STRUCTURAL OBSERVATION. (REF 1702)
- DEFINITIONS
 - APPROVED FABRICATOR: A FABRICATOR REGISTERED AND APPROVED BY THE BUILDING OFFICIAL AND ENGINEER OF RECORD, TO PERFORM WORK, OFF SITE, REQUIRING SPECIAL INSPECTION WITHOUT SPECIAL INSPECTION. THE DESCRIPTION IN SECTION 1701.1 OF THE 1998 CALIFORNIA BUILDING CODE IS APPLICABLE.
 - SPECIAL INSPECTION AGENCY: THE ACCREDITED INSPECTION BODIES DESIGNATED HEREIN AND APPROVED BY THE ENGINEER OF RECORD TO PERFORM SPECIAL INSPECTION AS REQUIRED BY THE BUILDING CODE AND THE PROJECT SPECIFICATIONS AND AS DESCRIBED IN SECTION 1701.198 CALIFORNIA BUILDING CODE.
 - SPECIAL INSPECTOR: A QUALIFIED PERSON, EMPLOYED BY THE SPECIFIED SPECIAL INSPECTION AGENCY, WHO HAS DEMONSTRATED COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. DUTIES INCLUDE VISUAL OBSERVATIONS AND FIELD MEASUREMENTS OF MATERIALS, OBTAINING SPECIMENS FOR TESTS AND RELATED ACTIONS INCLUDING PREPARATION OF REPORTS.
 - TESTING LABORATORY: AN ACCREDITED MATERIALS TESTING LABORATORY, APPROVED BY THE ENGINEER OF RECORD, TO MEASURE, EXAMINE, TEST, CALIBRATE OR OTHERWISE DETERMINE THE CHARACTERISTICS OR PERFORMANCE OF CONSTRUCTION MATERIALS.
 - CONTINUOUS INSPECTION: ON SITE INSPECTION BY THE SPECIAL INSPECTOR ON A CONTINUOUS BASIS OBSERVING ALL WORK REQUIRING SPECIAL INSPECTION.
 - PERIODIC INSPECTION: INTERMITTENT INSPECTION AS PERMITTED BY THE PLAN SPECIFICATIONS AT PREDETERMINED INTERVALS OR MORE FREQUENTLY AS WORK PROGRESSES. NO SIGNIFICANT ELEMENTS OR AREAS SHALL BE COVERED BY ADDITIONAL WORK UNTIL APPROVED BY THE MUNICIPAL BUILDING INSPECTOR AND/OR THE SPECIAL INSPECTOR.
 - STRUCTURAL OBSERVATION: THE VISUAL OBSERVATION, BY THE ENGINEER OF RECORD OR HIS DESIGNEE, INCLUDING BUT NOT LIMITED TO THE ELEMENTS AND CONNECTIONS OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATION, AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE SPECIAL AND MUNICIPAL INSPECTIONS REQUIRED BY CODES AND SPECIFICATIONS.
 - EOR: ENGINEER OF RECORD
 - DPR: ENGINEER OF RECORD/DESIGN PROFESSIONAL OF RECORD
 - SPECIAL INSPECTION AND MATERIALS TESTING: THIS SECTION APPLIES TO THE STRUCTURAL PORTIONS OF THE PROJECT REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTORS DUTIES ARE DESCRIBED IN CBC 1701.3 AND CBC 1701.5
- DOCUMENTED METHODS AND PROCEDURES SHALL BE USED FOR INSPECTION AND TESTING REQUIRED OF CONTRACTUAL DOCUMENTS, AND FOR ESTABLISHING ACCEPTANCE CRITERIA. ALL INSTRUCTIONS, STANDARDS, PROCEDURES, CHECKLISTS RELEVANT TO THE WORK WILL BE KEPT UP TO DATE AND READILY AVAILABLE FOR USE. NO INSPECTION OR TEST OF THE SAFETY OF THE TESTING PERSONNEL IS IN QUESTION DUE TO JOB SITE CONDITIONS. PRIOR TO PROJECT COMMENCEMENT, THE TESTING AGENCY WILL CONFER WITH AND OBTAIN THE APPROVAL FROM THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD REGARDING THE INSPECTION AND TESTING PROCEDURES INCLUDING ANY APPROPRIATE ASTM METHODS, CODE REQUIREMENTS OR PROJECT SPECIFICATION REQUIREMENTS, AT THE START OF AND DURING EACH INSPECTION OF THE PROJECT TO ASCERTAIN PROPOSED CONFORMITY OF MATERIALS, PERSONNEL QUALIFICATIONS, AS REQUIRED, AND PROCEDURES WITH APPLICABLE CODES, PLANS, AND SPECIFICATIONS.
 - ALL INSPECTIONS SHALL BE PERFORMED BY AN ACCREDITED, APPROVED SPECIAL INSPECTION AGENCY EMPLOYED BY THE OWNER OR OWNER'S AGENT, NOT THE CONTRACTOR OR SUBCONTRACTOR.
 - ACREDITATION TO ASTM STANDARD SPECIFICATIONS FOR AGENCIES ENGAGED IN THE TESTING AND/OR INSPECTION OF MATERIALS USED IN CONSTRUCTION, IS PREFERRED.
 - COPIES OF THE TEST RESULTS AND FINAL REPORTS SHALL BE FURNISHED TO THE ENGINEER OF RECORD (EOR) IN ADDITION TO OTHER NORMAL DISTRIBUTIONS, WITHIN TWO DAYS OF THE TEST. IN THE CASE OF DISCREPANCIES OR DEFICIENCIES, THE SPECIAL INSPECTION AGENCY SHALL IMMEDIATELY NOTIFY THE EOR. TESTING FREQUENCY SHALL BE PER APPLICABLE STRUCTURAL AND REINFORCED CONCRETE, AND STRUCTURAL STEEL WELDING CODES AND STANDARDS AND ARE PART OF THIS SPECIFICATION.
 - CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTION SERVICES DIVISION BY THE CONTRACTOR.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE TEST AND/OR INSPECTION FIRM WITH A CONSTRUCTION SCHEDULE TO FACILITATE THE PROPER COORDINATION.
 - THE SPECIAL INSPECTOR SHALL FURNISH DAILY INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ARCHITECT, AND THE ENGINEER AT A MINIMUM PER WEEK FREQUENCY. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT, SIGNED BY BOTH HE AND HIS SUPERVISOR, STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE WORKMANSHIP PROVISIONS OF THE CBC.
 - ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
 - SPECIAL INSPECTION REPORTS
 - THESE REPORTS SHALL INCLUDE, AS A MINIMUM, THE FOLLOWING INFORMATION:
 - PERMIT NUMBER
 - NAME OF THE MUNICIPAL INSPECTOR, IF AVAILABLE, AND OF THE GOVERNING MUNICIPALITY
 - SPECIAL INSPECTION AGENCY NAME, ADDRESS, AND PHONE NUMBER
 - UNIQUE IDENTIFICATION OF THE REPORT AND OF EACH PAGE
 - CLIENT NAME AND ADDRESS
 - NAME AND ADDRESS OF THE DESIGN PROFESSIONAL OF RECORD, AND OTHER DESIGNERS OR ENGINEERS APPLICABLE TO THE PROJECT
 - DESCRIPTION OF THE TYPE OF INSPECTION PERFORMED
 - ANY UNRESOLVED DEVIATIONS, EXCLUSIONS, AND ADDITIONS TO OR FROM THE APPROVED DRAWINGS AND SPECIFICATIONS RELEVANT TO THE SPECIFIC INSPECTION OR TEST
 - COMPLIANCE FINDINGS AND REFERENCE
 - DESCRIPTION OF LOCATION WHERE THE INSPECTION WAS PERFORMED WITHIN THE PROJECT
 - TIME AND DATE OF THE INSPECTION
 - MEASUREMENTS, EXAMINATIONS, AND DERIVED RESULTS SUPPORTED BY TABLES, GRAPHS, SKETCHES, OR PHOTOGRAPHS AS APPROPRIATE
 - THE NAME, SIGNATURE, TITLE, AND IDENTIFICATION NUMBER, AS APPROPRIATE, OF THE FIELD INSPECTOR PERFORMING THE INSPECTION
 - IDENTIFICATION OF SUBCONTRACTORS EMPLOYED TO CARRY OUT TESTS OR PARTS OF TESTS
 - TESTS REPORTS
 - LABORATORY TESTS AND MILL CERTIFICATIONS ARE REQUIRED TO BE SUBMITTED TO THE ENGINEER OF RECORD. THESE REPORTS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - CONCRETE CYLINDERS
 - REINFORCING STEEL
 - STRUCTURAL STEEL
 - CONCRETE MIXES
 - CONCRETE ANCHORS
 - SPECIAL INSPECTION BY A SPECIAL OR DEPUTY INSPECTOR FROM AN ACCREDITED, EOR APPROVED INSPECTION AGENCY AND WITH THE APPROPRIATE CURRENT MUNICIPAL LICENSES AND CERTIFICATIONS SHALL BE REQUIRED FOR THE TYPE OF WORK LISTED BELOW.

- CONTINUOUS INSPECTION REQUIRED FOR THE FOLLOWING:
 - DURING PLACEMENT OF REINFORCED CONCRETE WHERE THE STRUCTURAL DESIGN IS BASED ON A GREATER THAN 3,000 PSI AND THE TAKING TEST SPECIMENS. THE NUMBER AND FREQUENCY OF TAKING OF TEST SPECIMENS SHALL BE THE MINIMUM REQUIRED BY THE GOVERNING MUNICIPAL BUILDING CODE OR AS SPECIFIED BY THE APPROVED STRUCTURAL PLANS, WHICHEVER IS THE GREATER NUMBER.
 - DURING THE PLACEMENT OF REINFORCING STEEL AND PRE STRESS TENDONS UNLESS THE SPECIAL INSPECTOR HAS INSPECTED FOR CONFORMANCE WITH THE APPROVED PLANS PRIOR TO THE CLOSING OF FORMS OR THE DELIVERY OF CONCRETE TO THE JOBSITE.
 - DURING THE PLACEMENT OF REINFORCING STEEL AND CONCRETE FOR CAST-IN-PLACE DRILLED PILES OR CAISSONS.
 - INSPECTION IS REQUIRED ON CAST-IN-PLACE PILES OR CAISSONS, EVEN IF FC IS LESS THAN 2,500 PSI.
 - PRIOR TO AND DURING THE PLACEMENT OF CONCRETE AROUND BOLTS WHEN STRESS INCREASES PERMITTED BY FOOTNOTE 5 OF TABLE 19C, SECTION 1925 OF THE UNIFORM BUILDING CODE FOR THE USE OF FULL VALUES FOR EMBEDDED BOLTS.
 - PRIOR TO AND DURING THE INSTALLATION OF ANCHORS REQUIRING TO BE DRILLED INTO CONCRETE.
 - DURING THE STRESSING AND GROUTING OF TENDONS IN PRE STRESSED OR CONTINUOUS INSPECTION FOR THE PLACEMENT OF THE REINFORCEMENT AND CONCRETE AT CONCRETE MOMENT FRAMES WITHIN SEISMIC ZONES 3 & 4
 - SHOT CRETE PLACEMENT AND DURING THE TAKING OF TEST SPECIMENS. PERIODIC INSPECTION FOR REINFORCED CONCRETE SHALL BE PERFORMED WHEN SPECIFIED, AS MINIMUMS:
 - AT THE START OF AND DURING EACH INSPECTION OF THE PROJECT TO ASCERTAIN PROPOSED CONFORMITY OF MATERIALS, PERSONNEL QUALIFICATIONS AS REQUIRED, AND PROCEDURES WITH THE APPLICABLE CODES, PLANS AND SPECIFICATIONS.
 - REINFORCEMENT VERIFICATION PRIOR TO THE PLACEMENT OF CONCRETE
 - DURING THE PLACEMENT OF CONCRETE
 - DURING THE MOLDING, CONSTRUCTION OF TAKING OF COMPRESSION SAMPLES, BEAMS, CORES OR PANELS.
 - AT SUCH FREQUENCY AS NECESSARY TO CLEARLY CONFIRM THE PLACEMENT OF TIES, HOPS, STRUTS, CONNECTIONS, AND ANY ADDITIONAL SPECIFIED REINFORCEMENT I.E. @ OPENINGS, BEAMS, CORNERS, COLUMNS, PIERS, AND CAISSONS) BEFORE THEY ARE COVERED.
 - DURING SAMPLING OF CONCRETE AT DISCHARGE FROM MIXER.
 - BEFORE ANY CONCRETE IS PLACED FOR VERIFICATION OF MIX DESIGN
 - ALL FUNCTIONS AT THE BATCHING PLANT FOR READY MIX, THIS COULD INCLUDE CEMENT SAMPLING OR TEST RESULTS, GRAVEL GRADATION, CHECKING CALIBRATION OF EQUIPMENT AND ADJUSTURE APPROVALS.
- STRUCTURAL WELDING - GENERAL - INSPECTOR'S DUTIES
 - ALL FIELD WELDING NOT DONE IN AN APPROVED FABRICATORS SHOP EXCEPT THAT PERIODIC INSPECTION THE FREQUENCY OF WHICH IS DETERMINED PRIOR TO THE START OF THE PROJECT SHALL BE ALLOWED PER SECTION 1701.5, #5 EXCEPTIONS.
 - DURING ALL FIELD WELDING OF SPECIAL MOMENT-RESISTING FRAMES, IN ADDITION, NONDESTRUCTIVE TESTING AS REQUIRED BY SECTION 1703.
 - THE SPECIAL INSPECTOR SHALL REVIEW EOR APPROVED WELDING PROCEDURES SPECIFICATIONS (WPP) WHEN OTHER THAN STANDARD AWS PRE QUALIFIED JOINTS AND PROCEDURES ARE INVOLVED.
 - THE SPECIAL INSPECTOR SHALL REVIEW APPLICABLE SECTION OF REFERENCE CODES, PARTICULARLY THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (AWS D1.1) AND THE MANUAL, AND SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
 - THE SPECIAL INSPECTOR SHALL REVIEW MILL TEST REPORTS AND CHECK HEAT NUMBERS WITH MATERIAL AS RECEIVED. VERIFY THAT PROPER IDENTIFICATION OF STEEL IS MAINTAINED DURING FABRICATION.
 - THE SPECIAL INSPECTOR SHALL WHEN REQUIRED BY PROJECT SPECIFICATIONS, MARK SAMPLE LOCATION WITH STEEL STAMP ON EACH PIECE TESTED.
 - THE SPECIAL INSPECTOR SHALL RECORD SAMPLE NUMBER AND LOCATION AND CHECK THAT SAMPLE IDENTIFICATION IS MAINTAINED AS SAMPLES ARE DELIVERED TO LABORATORY AND TESTED.
 - THE SPECIAL INSPECTOR SHALL WHEN STEEL MEMBERS ARE DELIVERED TO FINISH AND NO "CROP ENDS" ARE AVAILABLE FOR SAMPLE CUTTING, COORDINATE CUTTING AND PATCHING REQUIREMENTS WITH THE ARCHITECT/ENGINEER WELDING OBSERVATION - (APPLICABLE TO SHOP AND FIELD)
- WELDING OBSERVATION - (APPLICABLE TO SHOP AND FIELD)
 - THE SPECIAL INSPECTOR SHALL CHECK EACH WELDER'S CERTIFICATION AND VERIFY THAT THE WELDER DOES WORK ONLY AS QUALIFIED BY HIS CERTIFICATION.
 - THE SPECIAL INSPECTOR SHALL KEEP A WRITTEN RECORD OF EACH WELDER BY NAME, IDENTIFICATION NUMBER AND HIS IDENTIFYING STEEL MARK, IF APPLICABLE, AND THE PERCENTAGE OF REJECTABLE WELDS.
 - THE SPECIAL INSPECTOR SHALL UPON DETECTION OF REJECTABLE WELD (EITHER VISUALLY OR BY NONDESTRUCTIVE TEST), THE INSPECTOR OF RECORD WILL NOTIFY THE WELDER AND HIS FOREMAN FOR VERIFICATION OF DEFECT, THE INSPECTOR OF RECORD WILL OBSERVE REMOVAL, REWORK, OR REPAIRS.
 - THE SPECIAL INSPECTOR SHALL CHECK STRUCTURAL MEMBERS FOR THICKNESS ADJACENT TO WELDS, OPENING, ETC. REWORK, OR REPAIRS.
 - THE SPECIAL INSPECTOR SHALL INSPECT JOINTS FOR PROPER PREPARATION, INCLUDING BEVEL, ROOT FACES, ROOT OPENING, ETC. REWORK, OR REPAIRS.
 - THE SPECIAL INSPECTOR SHALL CHECK THE TYPE AND SIZE OF ELECTRODES TO BE USED FOR THE VARIOUS JOINTS, AND POSITIONS. CHECK THE STORAGE FACILITIES TO SEE IF THEY ARE ADEQUATE TO KEEP THE ELECTRODES DRY.
 - THE SPECIAL INSPECTOR SHALL OBSERVE THE TECHNIQUE OF EACH SPECIAL INSPECTOR SHALL WELDER WITH USE OF A WELDING INSPECTION SHIELD.
 - THE SPECIAL INSPECTOR SHALL VERIFY THE USE OF PROPER PREHEAT AND INTER PASS TEMPERATURES. INSPECTOR SHALL WELDER WITH USE OF A WELDING INSPECTION SHIELD.
 - THE SPECIAL INSPECTOR SHALL CONTINUOUSLY OBSERVE MULTIPASS WELDS. CONTINUOUS INSPECTION IS DEFINED AS FOLLOWS: THE INSPECTOR IS PRESENT IN THE WELDING AREA AT ALL TIMES AND IS FULLY AWARE OF THE PROGRESS OF THE WELDING AT ANY GIVEN TIME. THE INSPECTOR MAY WATCH MULTIPLE WELDERS PROVIDED THEY ALL BE IN THE AREA CLOSE ENOUGH FOR EFFECTIVE VISUAL INSPECTION OF THE WORK PERFORMED.
 - THE SPECIAL INSPECTOR SHALL DETERMINE THAT THE OPERATOR IS CAPABLE OF PRODUCING THE REQUIRED WELDS.
 - THE SPECIAL INSPECTOR SHALL OBSERVE SINGLE PASS FILLET WELDS PERIODICALLY, OR MORE OFTEN IF CODES AND SPECIFICATIONS REQUIRE.
 - THE SPECIAL INSPECTOR SHALL, IF STRAIGHTENING OR RESTRAINING OF WELDMENTS IS NECESSARY, VERIFY THAT APPROVED METHODS WILL BE USED.
 - THE SPECIAL INSPECTOR SHALL TAG OR STAMP ACCEPTED WELDMENTS WITH THE INSPECTOR'S IDENTIFICATION STAMP. APPROVED METHODS WILL BE USED.

STRUCTURAL MASONRY (SPECIAL INSPECTION)

8A. PORTIONS OF WORK REQUIRING SPECIAL INSPECTION:	YES	NO	N/A	INSPECTION TASK	
				CONTINUOUS DURING CONSTRUCTION	PERIODICALLY LISTED
FOUNDATION					
A. COMPACTED FILL, GRADING, AND EXCAVATIONS	X				
B. CONTINUOUS INSPECTION OF PIERS	X				
CONCRETE					
A. CONTINUOUS INSPECTION AND TEST CYLINDERS FOR CONCRETE.	X				
B. CONTINUOUS INSPECTION FOR SLAB CONCRETE	X		X		
C. TEST CYLINDERS FOR SLAB CONCRETE	X			X	
D. ANCHOR BOLTS OR EMBEDS IN CONCRETE (INSTALLATION AND CONCRETE PLACEMENT)	X			X	
DRILLED IN ANCHORS					
A. ALL ADHESIVE ANCHORS, RODS, DOWELS, SHALL BE CONTINUOUSLY INSPECTED DURING INSTALLATION.	X			X	
B. ADDITIONAL TESTING MAY BE REQUIRED AS SPECIFIED ON THE PLANS.	X			X	
C. ADHESIVE ANCHORS IN CONCRETE OR MASONRY	X			X	
REINFORCING STEEL					
A. PLACING OF REINFORCING	X			X	
B. SAMPLING AND TESTING STEEL (MILL REPORTS AND IDENTIFICATION OF STEEL)	X			X	
WELDING					
A. ALL STRUCTURAL WELDING EXCEPT WELDING IN APPROVED SHOPS.	X			X	
B. ULTRASONIC TESTING OF FULL PENETRATION WELD CONNECTIONS, AND FIELD WELDS.	X			X	
C. STRUCTURAL LIGHT GAGE METAL FRAME WELDING.	X			X	
BOLTING					
A. HIGH STRENGTH BOLT A325 X A490 (TORQUE VERIFICATION)	X			X	
B. HIGH STRENGTH BOLT A325X X A490X (SNUG CONTACT OF PLYS)	X			X	
MASONRY					
A. SAMPLING OF MASONRY UNITS	X			X	
B. MASONRY PRISM CONSTRUCTION	X			X	
C. MORTAR SAMPLING	X			X	
D. CONTINUOUS INSPECTION DURING PLACEMENT AND GROUTING OF MASONRY UNITS AND REINFORCEMENT PLACEMENT.	X			X	
E. ANCHOR BOLTS OR EMBEDS IN MASONRY (INSTALLATION AND GROUT PLACEMENT)	X			X	
INSULATING CONCRETE FILL					
A. TEST CYLINDERS AND INSPECTIONS	X			X	
STRUCTURAL STEEL					
A. MILL REPORTS AND IDENTIFICATION OF STEEL (AFFIDAVIT OF COMPLIANCE)	X			X	
B. SAMPLING AND TESTING	X			X	
C. DURING PLACEMENT OF PAINT AS SPECIFIED BY THE ARCHITECT.	X			X	
SHEAR DIAPHRAGMS					
A. INSPECTION OF SHEATHING PLACEMENT AND NAIL SPACING	X			X	
APPROVED FABRICATORS: MUST SUBMIT CERTIFICATE OF COMPLIANCE FOR ALL OFF SITE FABRICATION SUCH AS STRUCTURAL STEEL OLD-LAMS PRECAST CONCRETE, ETC.	X			X	
STRUCTURAL OBSERVATION					
A. INSPECTION OF SHEATHING PLACEMENT AND NAIL SPACING	X			X	

PERIODIC INDICATES AT A MINIMUM ONCE A DAY FOR A MINIMUM OF ONE HOUR

TESTING METHOD OPTIONS	PRIOR TO CONSTRUCTION	DURING CONSTRUCTION
METHOD 1: MASONRY PRISM TESTING	5 PRISMS	3 PRISMS FOR EVERY 5,000 S.F. OF WALL
METHOD 2: MASONRY PRISM TEST RECORD	APPROVED 30 PRISM RECORD	3 PRISMS FOR EVERY 5,000 S.F. OF WALL
METHOD 3: UNIT STRENGTH METHOD	UNITS AND GROUT OR 5 PRISM	UNITS AND GROUT OR 3 PRISMS FOR EVERY 5,000 S.F. OF WALL

FOUNDATION NOTES

- FOR GENERAL NOTES SEE SHEET S101 AND S102
- FOR TYPICAL DETAILS SEE SHEETS NUMBER S400'S
- CONTRACTOR/SUBCONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS WITH ARCHITECTURAL PLANS BEFORE COMMENCING ANY WORK. THE CONTRACTOR AND/OR SUBCONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT AND ENGINEER BEFORE THE WORK HAS BEGUN.
- REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DIMENSIONS.
- REFER TO ARCHITECTURAL PLANS FOR FLOOR DRAIN LOCATIONS.
- SLOPE SLAB TO DRAINS. SEE ARCHITECTURAL PLANS FOR SLOPE.
- REFER TO ARCHITECTURAL PLANS FOR FLOOR FINISHES. ENGINEER IS NOT RESPONSIBLE FOR TYPE OF FLOOR FINISHES.
- THE TESTING LABORATORY SHALL BE THE OWNERS REPRESENTATIVE TO CONTROL THE PLACEMENT OF COMPACTED FILL. THE TESTING LABORATORY SHALL APPROVE THE SUBGRADE PREPARATION, THE FILL MATERIALS, THE METHOD OF PLACEMENT AND COMPACTION, AND COMPACTION, AND SHALL GIVE WRITTEN APPROVAL OF THE COMPLETED FILL. THE TESTING LABORATORY SHALL INDICATE ON THERE REPORT THE ELEVATION OF THE COMPACTED SUBGRADE.
- ALL EARTHWORK AND GRADING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING STUDY. THE MORE STRINGENT REQUIREMENTS BETWEEN THESE SUBGRADE NOTES AND GEOTECHNICAL ENGINEERING STUDY SHALL GOVERN AND EXECUTED BY THE CONTRACTOR.
- IN THE EVENT FOUNDATION EXCAVATIONS ARE CARRIED TO A DEPTH GREATER THAN REQUIRED, THE ADDITIONAL DEPTH SHALL BE FILLED WITH THE SAME CONCRETE AS THAT USED FOR FOOTING AT NO ADDITIONAL EXPENSE TO THE OWNER. NO UNCONTROLLED FILL WILL BE PERMITTED.
- THE FOOTING EXCAVATIONS SHALL BE KEPT FREE FROM LOOSE MATERIAL AND STANDING WATER.
- THE FOUNDATION EXCAVATIONS SHOULD BE OBSERVED BY THE TESTING LABORATORY PRIOR TO STEEL OR CONCRETE PLACEMENT TO ASSESS THAT THE FOUNDATION MATERIALS ARE CAPABLE OF SUPPORTING THE DESIGN LOADS AND ARE CONSISTENT WITH THE MATERIALS DESIGNATED IN THE STUDY. IT IS ESPECIALLY IMPORTANT TO IDENTIFY THE ACCEPTABILITY OF THE SUBGRADE OR FILL MATERIAL UNDER THE FOOTING. SOFT OR LOOSE SOIL ZONES ENCOUNTERED AT THE BOTTOM OF THE FOOTING OR BEAM EXCAVATIONS SHOULD BE EXCAVATIONS SHOULD BE REMOVED TO THE LEVEL OF COMPACT SOIL AS DIRECTED BY THE TESTING LABORATORY. CAVITIES FORMED AS A RESULT OF EXCAVATION OF SOFT OR LOOSE SOIL ZONES SHOULD BE BACKFILLED WITH LEAN CONCRETE OR SELECT FILL AS DETERMINED BY THE TESTING LABORATORY.
- CARE SHOULD BE TAKEN TO SHAPE THE BUILDING AREAS SUCH THAT WATER WILL NOT POND AROUND THE STRUCTURE DURING CONSTRUCTION AND CAUSE THE NEAR SURFACE CLAYS TO SWELL. THE PROPOSED STRUCTURE SHALL BE ISOLATED FROM ANY MOISTURE SOURCE WHICH MIGHT ALSO CAUSE SWELLINGS OF THE CLAYS AFTER COMPLETION OF THE CONSTRUCTION!
- WHEN THE STRUCTURE IS COMPLETE, THE GROUND SURFACE SHOULD SLOPE AWAY FROM THE STRUCTURE AND DOWN SPOUTS SHOULD CARRY RUNOFF WATER SEVERAL FEET FROM THE BUILDING, PREFERABLY INTO PAVED AREAS OR SEWERS, BEFORE DISCHARGING.
- DO NOT PLANT, OR LEAVE IN PLACE, DEEP ROOTED TREES WITHIN CLOSE PROXIMITY TO THE PERIMETER OF THE STRUCTURE. DEEP ROOTED TREES HAVE POTENTIAL TO REMOVE MOISTURE FROM BENEATH THE BUILDING. THIS IS ESPECIALLY IMPORTANT TO ALLOW THE ROOT BULB EXTEND NEAR OR BENEATH THE BUILDING.
- THE FINAL ONE (1) FOOT OF FILL OUTSIDE THE BUILDING AREA SHOULD CONSIST OF A COHESIVE CLAYEY (CL) SOIL. FILL CAN NOT BE ALLOWED TO DRY OUT DURING OR AFTER COMPACTION. (P1 BETWEEN 15 AND 25)
- NOTE THAT SOIL LEVELS OF RISK ARE ASSOCIATED WITH ALL FOUNDATION SYSTEMS AND THERE IS NO SUCH THING AS A "ZERO RISK" FOUNDATION. IT ALSO SHOULD BE NOTED THAT THE FOUNDATION PROVIDED IS NOT DESIGNED TO RESIST SOIL MOVEMENT AS A RESULT OF SEWER/PLUMBING LEAKS, EXCESSIVE IRRIGATION, NON UNIFORM IRRIGATION, POOR DRAINAGE, AND WATER PONDING NEAR THE FOUNDATION SYSTEM.
- CONSTRUCTION FOLLOWING WET WEATHER PERIODS WILL LIKELY ENCOUNTER DIFFICULTIES DUE TO THE WET OR SOFT SURFACE SOILS BECOMING A GENERAL HINDRANCE TO EQUIPMENT DUE TO RUTTING AND PUMPING OF THE SURFACE. IF THE SUBGRADE CANNOT BE ADEQUATELY COMPACTED TO MINIMUM DENSITIES AS DESCRIBED ABOVE, ONE OF THE FOLLOWING MEASURES WILL BE REQUIRED:
 - REMOVAL AND REPLACEMENT WITH DRY FILL.
 - CHEMICAL TREATMENT OF THE SOIL TO SOFT SOIL AND INCREASE THE STABILITY OF THE SUBGRADE.
 - DRYING BY NATURAL MEANS.

SLAB ON GRADE	THICKNESS
REINFORCING (EACH WAY)	5.0 INCHES
REINFORCING LOCATION	4" AT 1/4" O.C. MID DEPTH
VISQUEEN	10 MIL

SUBGRADE PREPARATION

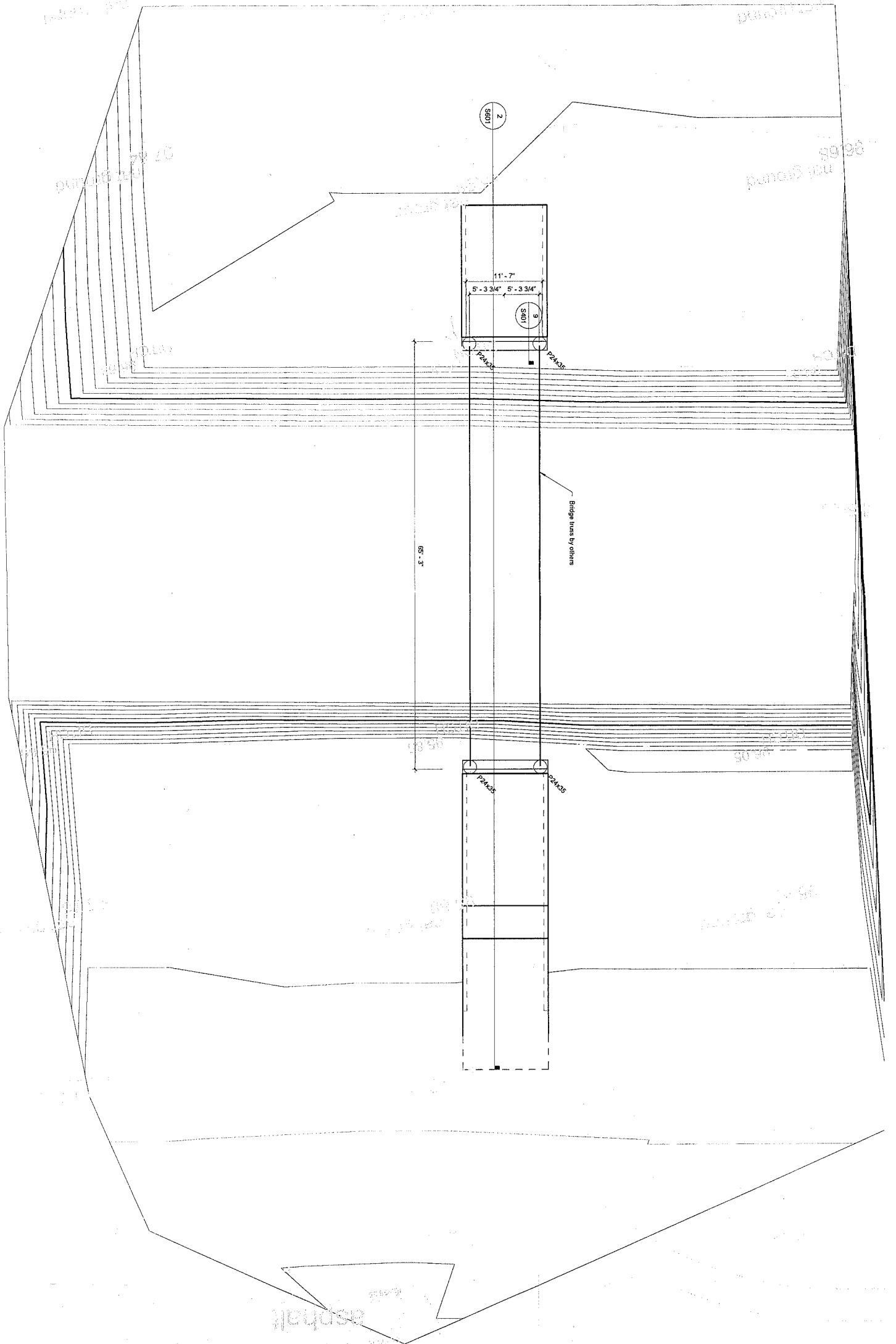
- SITE PREPARATION
 - PREPARATION OF EXISTING GROUND
 - ALL AREAS TO SUPPORT SELECT FILL SHALL BE STRIPPED OF ALL VEGETATION AND/OR ORGANIC TOPSOIL:
 - 3 FEET
 - EXTEND BEYOND BUILDING FOOT PRINT: 5 FEET
 - EXPOSED SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF: 8 INCHES
 - MOISTURE: (OPTIMUM MOISTURE CONTENT) 0 TO +3%
 - COMPACTION (ASTM D-698) (MAXIMUM DENSITY): 95%
 - SELECT FILL MATERIAL
 - AMOUNT OF COMPACTED SELECT FILL (INCLUDING STOCKPILE): 42" INCHES
 - NO ORGANIC OR OTHER PERISHABLE MATERIAL
 - NO STONES LARGER THAN 2" INCHES
 - *FINISHED FLOOR SHALL BE AS INDICATED ON CIVIL DRAWINGS. INCREASE INDICATED AMOUNT OF FILL AS REQUIRED TO ACHIEVE MOST STRINGENT REQUIREMENT. INCREASE EXCAVATION AS REQUIRED TO MEET MINIMUM AMOUNT OF SELECT FILL
 - SELECT FILL SHALL MEET 1x DOT 2004 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES, ITEM 247 FLEXIBLE BASE, TYPE A, TYPE B, OR TYPE C GRADES 1 THROUGH 3
 - PLACING SELECT FILL
 - FILL LIFTS (LOOSE MEASURE, NOT EXCEEDING): 8 INCHES
 - COMPACTION OF SELECT FILL
 - COMPACTION (ASTM D-698) (MAXIMUM DENSITY): -2 TO +3
 - COMPACTION TESTING
 - ATTERBERG LIMITS (ONE AT A RATE OF): 5,000 CU. YDS.
 - COMPACTION (ONE TEST PER): 3,000 SQ. FT./LIFT (MIN. OF 3 PER LIFT)



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Abutments for Bridge
Soccer Stadium Park
Eadingburg, TEXAS

PROJECT NUMBER 15272
DATE 07/25/2016



Foundation Plan

1

1/8" = 1'-0"

Abutments for Bridge
 Soccer Stadium Park

Edinburg, TEXAS

PROJECT NUMBER
 15272
 DATE
 07/25/2016

Foundation Plan

S H E E T

S201

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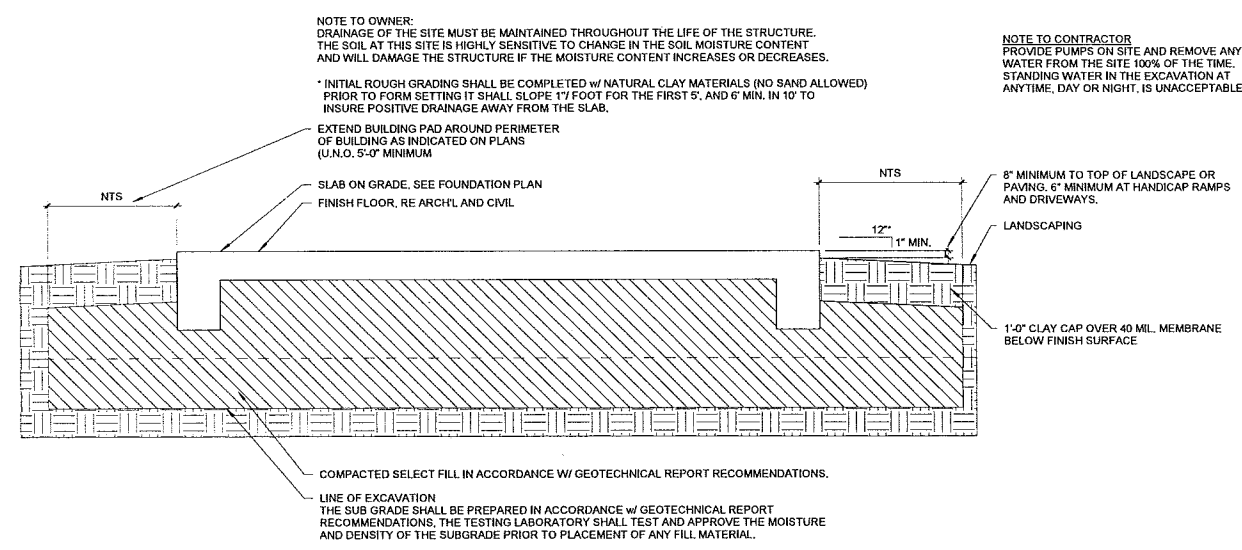
Abutments for Bridge
 Soccer Stadium Park
 Edinburg, TEXAS

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 15272
 DATE
 07/25/2016

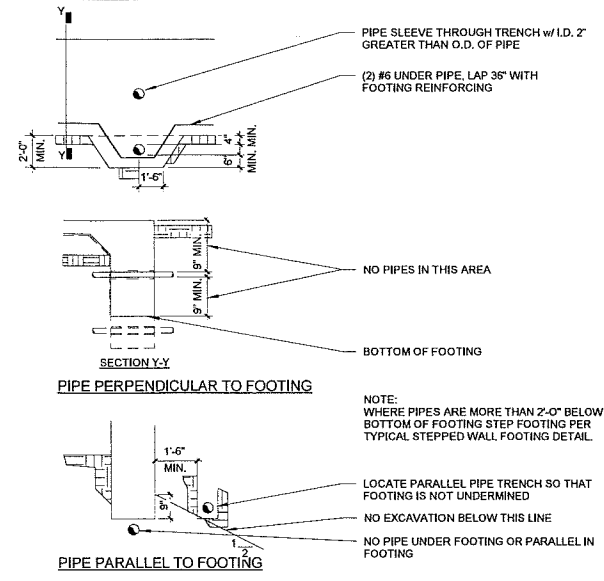
Typical Concrete Details

S H E E T

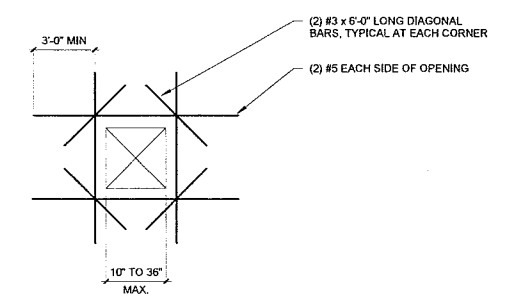
S401



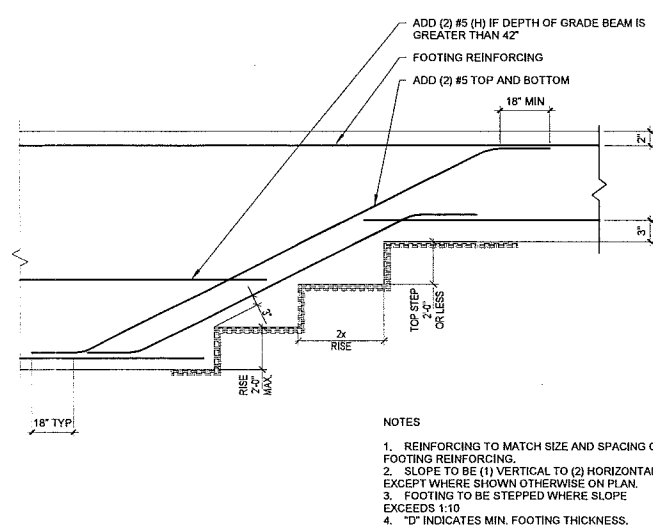
Typical Building Subgrade Preparation 7
 1" = 1'-0" S401



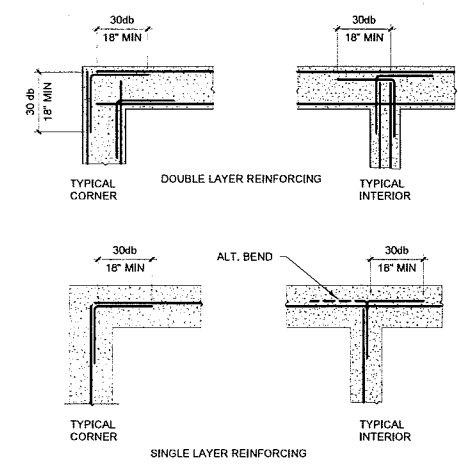
Typical Piping Through Footing 4
 3/8" = 1'-0" S401



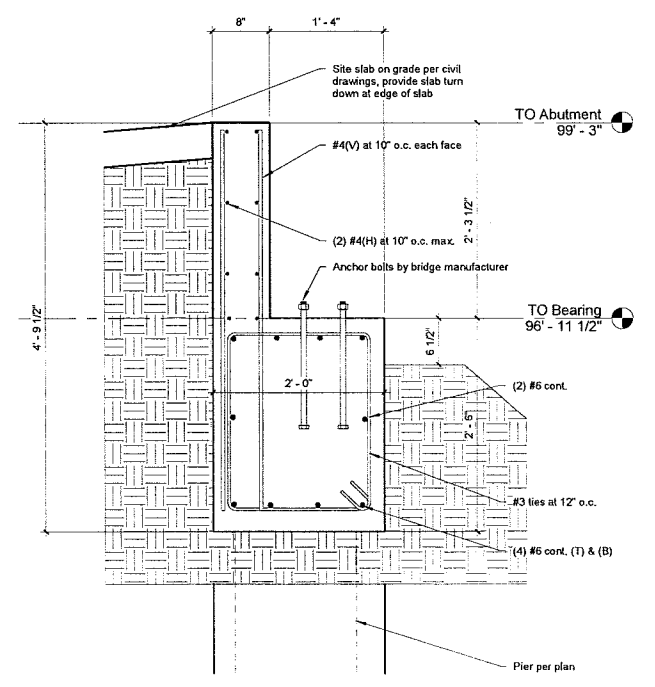
Typical Slab Opening Reinforcing 1
 1/4" = 1'-0" S401



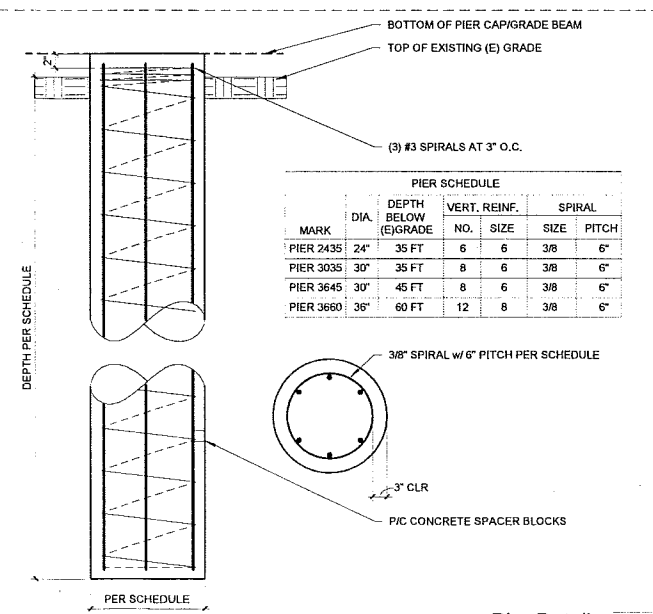
Typical Stepped Footing 5
 1" = 1'-0" S401



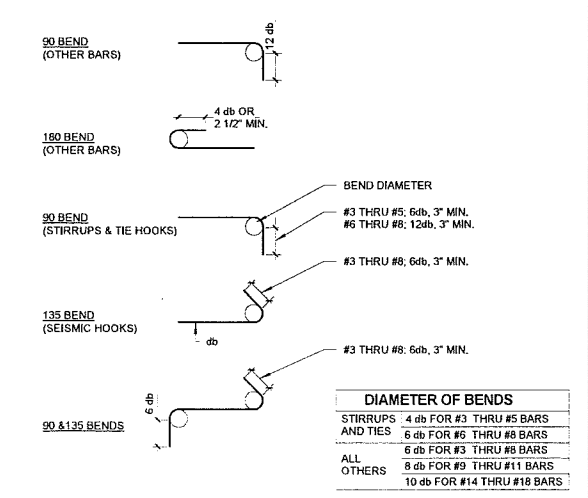
Typical Reinforcing at Concrete Intersections 2
 1/4" = 1'-0" S401



Abutment Detail 9
 1" = 1'-0" S201 S401

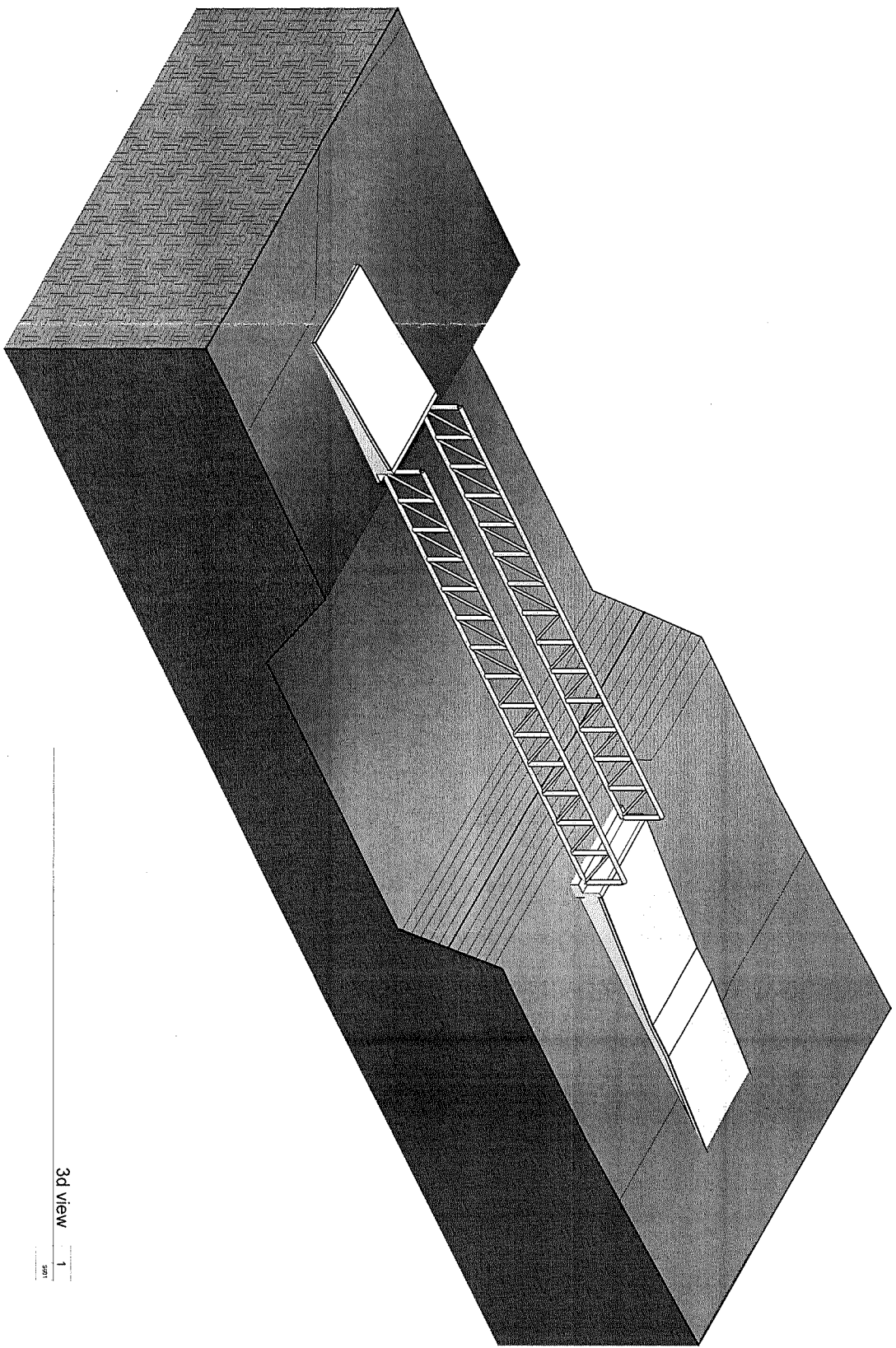


Pier Detail 6
 1" = 1'-0" S401



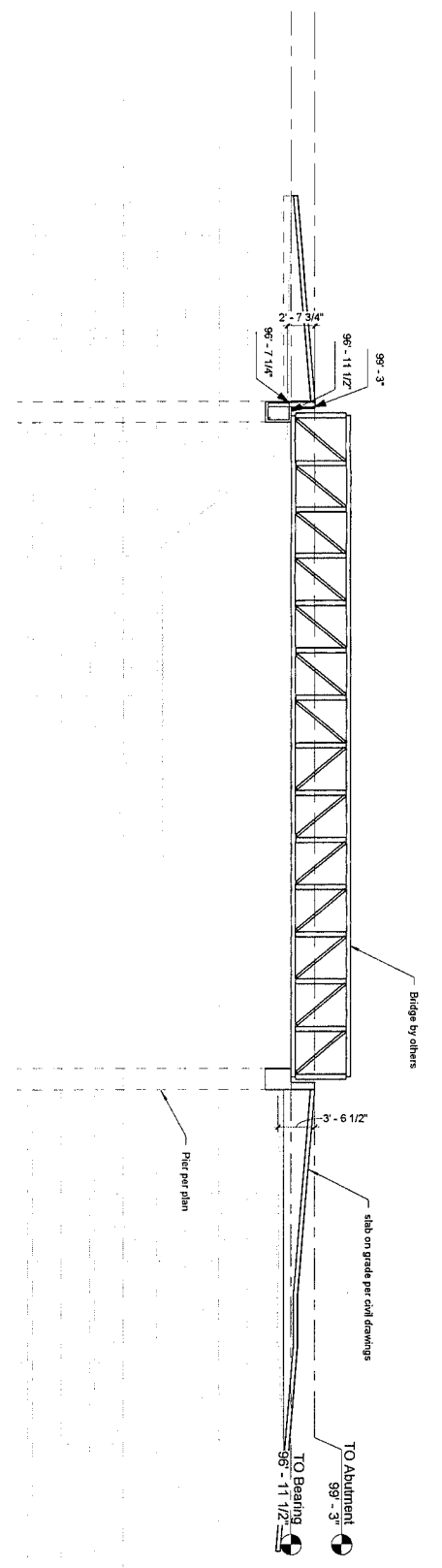
Typical Reinforcing Bends 3
 1/4" = 1'-0" S401

7/25/2016 8:59:28 PM D:\Share\Files\W Files & Folders\01 My Projects\Cantl\15272 AC bridge\15272 AC bridge.rvt



3d view 1

Section 1 2
1/8" = 1'-0"



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SOLORIO, J.
83086

07/25/2016

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Abutments for Bridge
Soccer Stadium Park
Edinburg, TEXAS

PROJECT NUMBER
15272
DATE
07/25/2016

Section
S H E E T
S601

AI -55735

9.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted By: Claudette Guerrero,
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bonds

Budget: 360-Delta Watershed Program

Engineering Firm: Tedsi Infrastructure Group

Inv. no. 20162786 in the amount of \$900.00 related to Work Authorization no.

12-Lower Rio Grande Valley Regional Water Management Program-Legal Services.

PO#623665

BACKGROUND

Fiscal Impact

Attachments

[Inv#20162786-Teds](#)

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	08/05/2016 11:14 AM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Claudette Guerrero		Started On: 08/05/2016 10:30 AM
Final Approval Date: 08/05/2016		



Hidalgo County Drainage District No. 1

902 North Doolittle Road, Edinburg, TX 78542 Office: 956-292-7080

Invoice Processing Routing Slip

Invoice/ Backup

Date Received: 7/21/2016

Engineer/Firm Name: TEDSI Infrastructure

Project Name/Number: Delta Watershed Legal Water Rights Project

Invoice No.: 20162786

Invoice Date: 7/13/2016

Due Date: 8/12/2016

Purchase Order No.: 623665

Amount: \$900.00

Total # of Pages Submitted: 3

Attachments: CD USB Plans Other: _____

Engineering:

Construction:

Received By: Maria Perez

Forwarded to:

Nora D. Cavazos _____ Date: _____

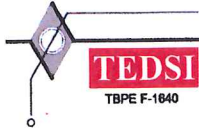
Esther Layton _____ Date: _____

Claudette Guerrero _____ Date: _____

Jose N. Saldivar _____ Date: _____

Lora Briones _____ Date: _____

Additional Comments: _____



TEDSI INFRASTRUCTURE GROUP

Consulting Engineers
1201 East Expressway 83 ♦ Mission, Texas 78572
Tel: (956) 424-7898
Fax: (956) 424-7022

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July 13, 2016
Project No: 2013-1128-12
Invoice No: 20162786

BY: 

Ms. Claudette Guerrero
Hidalgo County Drainage District No. 1
902 North Doolittle Road
Edinburg, TX 78542

Project 2013-1128-12 Lower Rio Grande Valley Regional Water Management Program - Legal

Precinct No. 1 - 2012 Bond Referendum
Account No. 13-133-433-360-43340-010-000
P.O. No. 623665

Professional Services from June 1, 2016 to June 30, 2016

Phase 200 Water Rights - BBS, PC

Consultants

Reimbursable Consultants Expense				
6/30/2016	Beatty Bangle Strama, PC	Invoice No. 19202	900.00	
	Total Consultants		900.00	900.00
		Total this Phase		\$900.00

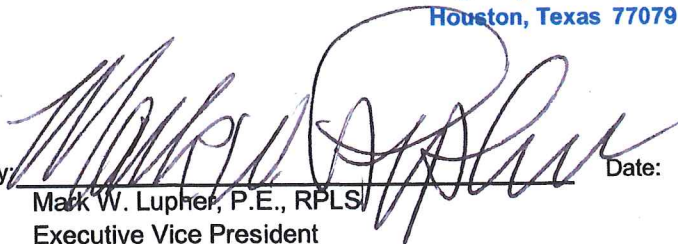
Billing Summary	Current	Prior	To-Date
Total Billings	900.00	189,026.05	189,926.05
Total Fee			206,463.14
Remaining Fee			16,537.09
		Total this Invoice	\$900.00

Outstanding Invoices

Number	Date	Balance	
20162698	4/14/2016	1,485.00	
Total		1,485.00	
	Total Now Due		\$2,385.00

PLEASE REMIT PAYMENT TO:
TEDSI Infrastructure Group, Inc.
738 Highway 6 South, Suite 430
Houston, Texas 77079

Authorized By:


Mark W. Luper, P.E., RPLS
Executive Vice President

Date:

7.13.16



BBS

BEATTY
BANGLE
STRAMA PC

June 30, 2016

Jesse Salinas
TEDSI Infrastructure Group
1201 East Expressway 83
Mission, TX 78572

Invoice No. 19202

In Reference To: *Hidalgo County Delta Watershed Project and Hidalgo County Drainage District No. 1*

Professional Services

	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
06/20/16 ELIII Water brief.	3.00	300.00/hr	900.00
For professional services rendered	<u>3.00</u>		<u>\$900.00</u>

Previous balance \$1,125.00

Balance due \$2,025.00

<u>Current</u>	<u>30 Days</u>	<u>60 Days</u>	<u>90 Days</u>	<u>120+ Days</u>
\$900.00	\$1,125.00	\$0.00	\$0.00	\$0.00

TEDSI INFRASTRUCTURE GROUP

Project No. 2013-1128-12 Phase No. 200

Lump Sum Approved Hold
 Hourly Rejected Process

Sign. MWL Date 7,13,16

400 West 15th Street | Suite 1450 | Austin, Texas 78701

T (512) 879-5050 | F (512) 879-5040 | bbsfirm.com

AI -55767

10.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted For: Lora Briones

Submitted By: Claudette Guerrero,
DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Fund: 133 Budget: 365-Rural Drainage Development Pct.2

Engineering Firm: L&G Consulting Engineers

Inv. no. 11325757 in the amount of \$11,322.56 related to Work Authorization No. 4-Pharr Mcallen Drain & South Flood Water Channel Watershed Imp. Project PO#628487

BACKGROUND

Fiscal Impact

Attachments

Inv#11325757-L&G

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	08/05/2016 02:58 PM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Claudette Guerrero		Started On: 08/05/2016 02:47 PM
Final Approval Date: 08/05/2016		



Hidalgo County Drainage District No. 1

902 North Doolittle Road

Edinburg, Texas 78542

Office: (956) 292-7080

Invoice Processing Routing Slip Invoice/ Backup

Date Received:

7/5/2016

Engineer/Firm Name:

L&G Engineering

Project Name/Number:

Pharr McAllen Drain & S. Flood Water Ch. WA No. 4

Invoice No.:

Invoice No. 11325757

Purchase Order No.:

628487

Received By:

Maria Perez

Forwarded to:

Nora D. Cavazos

Date: _____

Claudette Guerrero

Date: _____

Total # of Pages Submitted:

5

Attachments:

CD

Amount:

\$11,322.56

Forwarded to:

Jose N. Saldivar

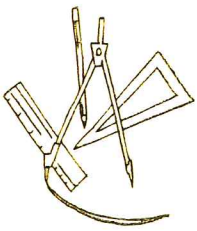
Date: _____

Forwarded to:

Lora Briones

Date: _____

Additional Comments:



July 1, 2016

Mr. Raul Sesin, P.E. – District Manager
Hidalgo County Drainage District #1
902 N. Doolittle
Edinburg, Texas 78542

RE: Pharr McAllen Drain & South Flood Water Channel Watershed Improvement Project
Work Authorization #4 – PS&E on the South Pharr/Las Milpas South Floodwater Channel
Job # 150304
P.O. # 628487

Dear Mr. Sesin,

Attached for your review and approval is our invoice for the services rendered during the month of June 2016 on the subject referenced project.

The following is attached:

- L&G's Invoice #11325757
- CD w/ Electronic Files of Data for:
 - Task 1 & 2

TASK		% COMPL
Pharr-McAllen Drain & South Flood Water Channel Watershed Improvement Project		
Task 1 ~ Schematic Development (Overall Exhibit w/ Plan & Profiles)	L&G	95.0%
Update – L&G has continued development of the schematic that shows the proposed improvements in plan and profile view (for inv. of utility conflicts). Specific tasks performed include: alignment modification, and identification of property ownership, utilities, ditch data, and profile generation w/ crossings.		
Task 2 ~ Support to HCDD#1, HCID#2 & Hidalgo Co. Pct #2 on Project Development	L&G	100%
Update – Task Complete – L&G held informal meetings and conference calls with HCDD#1, HCID#2, HC Pct #2, and City of Pharr on project development activities. Extensive coordination efforts were utilized through meetings with HCID#2 on defining limits of ownership and delineating potential exclusions. Coordination with City of Pharr and HCDD#1 completed for development of project. QC/QA completed by HCDD#1 (coordination w/ HCID#2). L&G has completed all support services needed under this project.		
Task 3 ~ Coordination and Management of Surveyor	L&G	90.1%
No Update – See progress report dated June 1, 2016.		

Task 3a ~ (SUB): R.O.W. SS ~ ROW Surveying and Mapping	ROW SS	90.0%
No Update – See progress report from R.O.W. SS dated 5-31-16.		
Task 4 ~ Geotechnical Drilling/Testing/Engineering	L&G	100%
Task Complete – See progress report dated May 2, 2016.		
Task 5 ~ PS&E Development	L&G	0.0%
No Update – Task Not Started		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 585-1909.

Sincerely,



David Saenz, P.E., C.F.M.
Project Manager
L&G Engineering

L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11325757
INVOICE DATE: 6/30/2016

BILL TO:

Hidalgo County Drainage District#1
 902 N. Doolittle
 Edinburg, TX 78542

JOB:150304

Pharr McAllen Drain & South Flood
 Water Channel Watershed Imp. Project
 WA#4 - PO#628487

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of June 2016.						
FC 161 - HYDROLOGY						
11006-Task 1-Schematic Development (Overall Exhibit w/Pla	27,809.44	25,024.76	1,404.80	26,429.56	95.0	1,379.88
11007-Task 2-Support to HCDD#1, HCID#2 & Hidalgo Co. Pct ;	19,844.83	9,927.07	9,917.76	19,844.83	100.0	-
15001-Task 3-Coordination and Management of Surveyor	8,017.64	7,220.24		7,220.24	90.1	797.40
15010-Task 3a-Row Surveying and Mapping (SUB)	80,107.00	72,103.00		72,103.00	90.0	8,004.00
33001-Task 4-Geotechnical Drilling/Testing/Engineering	20,610.64	20,610.64		20,610.64	100.0	-
11003-Task 5- PS&E Development	143,596.40			0.00	0.0	143,596.40
TOTALS:	<u>299,985.95</u>	<u>134,885.71</u>	<u>11,322.56</u>	<u>146,208.27</u>	48.7	<u>153,777.68</u>

ORIGINAL CONTRACT SUM	\$	299,985.95
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	299,985.95
TOTAL COMPLETED TO DATE	\$	146,208.27
LESS PREVIOUS INVOICES	\$	134,885.71
CURRENT PAYMENT DUE	\$	11,322.56




 PROJECT MANAGER'S SIGNATURE

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

JUL 05 2016

4:23 AM (PM)

BY: 

L&G Consulting Engineers, Inc
 2100 W. Expressway 83
 Mercedes, Texas 78570
 (956) 565-9813

Project Workhour Report

Pharr McAllen Drain & South Flood Water Channel Warshed Improvement Project WA#4

Reference: Inv#11325757

Date: 6/30/2016

P.O.#628487

	Hrs		Rate	Total
Senior Project Manager	21.00	X	218.04	\$4,578.84
Senior Engineer	16.00	X	180.66	\$2,890.56
Project Engineer	19.00	X	133.94	\$2,544.86
Senior Engineer Tech	14.00	X	93.45	\$1,308.30
Admin/Clerical	0.00	X	62.3	\$0.00

Grand Total of Hours \$ 11,322.56

(Difference due to rounding hours) \$ -

Invoice Summary		
Man Hours		\$ 11,322.56
Geotek Drillng/Testing/Engineers		\$ -
Sub Contract		\$ -
(See Attached Sub Invoice for Man Hour Breakdown)		
(Difference due to rounding)		\$ -

Total Per Invoice Submitted **\$ 11,322.56**



L&G Engineering
Transportation Consulting Engineers

2100 W. Expressway 93 Mercedes, TX 78570
Phone: (956) 565-9813 Fax: (956) 565-9018
Toll Free: (888) 565-9813 Firm No. F-4105

909 S. Stewart Rd., Ste. 10 Mission, TX 78572
Phone: (956) 585-1909 Fax: (956) 585-1927
Toll Free: (866) 585-1909

Letter of Transmittal

Mr. Raul Sesin, P.E. – District Manager
Hidalgo County Drainage District #1
902 N. Doolittle Rd.
Edinburg, Texas 78542

DATE:
July 5, 2016

Project: Progress Report & Invoice Package for Various Work Authorizations
La Joya Watershed Improvement Project
Pharr McAllen Drain & South Floodwater Channel Watershed Improvement Project
Mission Inlet Recertification Project


L&G PROJECT NO.:

TRANSMITTED:

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> For Your Use | <input type="checkbox"/> Please comment | <input type="checkbox"/> Approved as Noted |
| <input type="checkbox"/> As Requested | <input type="checkbox"/> Reply ASAP | <input type="checkbox"/> As Noted Below |

VIA:

- | | | |
|----------------------------------|---|--|
| <input type="checkbox"/> US Mail | <input type="checkbox"/> Courier | <input checked="" type="checkbox"/> Hand Carry |
| <input type="checkbox"/> E-Mail | <input type="checkbox"/> Lonestar Overnight | <input type="checkbox"/> Pick up |

COPIES	DESCRIPTION
1	Progress Report and Invoice Package (including CD w/Electronic Files) for the following Project:
	<ul style="list-style-type: none"> • Work Authorization #10 on La Joya Watershed Improvement Project <ul style="list-style-type: none"> ○ P.O. #629641, Invoice #11325763 • Work Authorization #3 on Pharr McAllen Drain & South Floodwater Channel <ul style="list-style-type: none"> ○ P.O. #627892, Invoice #11325765 • Work Authorization #4 on Pharr McAllen Drain & South Floodwater Channel <ul style="list-style-type: none"> ○ P.O. #628487, Invoice #11325757 • Work Authorization #5 on Mission Inlet Recertification Project <ul style="list-style-type: none"> ○ P.O. #628488, Invoice #11325756
	 JUL 05 2016 4:23 AM / PM

REMARKS:

If you have any questions or comments, please feel free to contact me, Mr. David Saenz, P.E. at (956) 585-1909.

Thank you,



BY: 

Received By: _____

Date: _____ Time: _____

**Pharr McAllen Drain &
South Flood Water Channel
Watershed Improvement Project
Work Authorization #4**

**Invoice #
11325757**

HCDD#1

6/30/2016

L & G Engineering Electronic Data & CAD Disclaimer by opening the attached files, the user agrees that data provided by this electronic file is for information purposes only and should be used at one's own risk. L & G Engineering makes no representations, written or verbal, that the information contained in these CAD files are complete or accurate or should be relied upon for construction except to the extent that they are labeled, dimensioned or otherwise noted and reflect exactly what is on the approved and sealed preliminary or final drawings. Any conflict between the information reflected on the sealed plan sheets and that provided via this electronic data file shall be resolved in favor of the sealed plan sheets.
Any reproduction of these sheets without the appropriate preliminary stamp, or professional engineering seal and signature, and the express written approval of L & G Engineering, is a violation of the Professional Engineering Practice Act.

AI -55745

11.

DRAINAGE - CONSENT

Meeting Date: 08/09/2016

Submitted For: Lora Briones

Submitted By: Lora Briones, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Financial Administration - Budget Line item transfer - District Administration

BACKGROUND

Fiscal Impact

Attachments

8-09-2016 Adm transfer

Form Review

Inbox	Reviewed By	Date
Budget & Management	Veronica Ortiz	08/05/2016 11:07 AM
Final Approval	Monica Badillo	08/05/2016 05:03 PM
Form Started By: Lora Briones		Started On: 08/05/2016 11:01 AM
Final Approval Date: 08/05/2016		

