



**Planning  
Department**

**Anthony Uresti**  
*Director of Planning*

**Main Office**

2818 S. Business Hwy 281  
Edinburg, Texas 78539  
Phone (956) 318-2840  
Fax (956) 318-2844

**Precinct No. 1 Substation**

1900 Joe Stephens Ave. Ste. A  
Weslaco, TX 78596  
Phone (956) 968-4734  
Fax (956) 973-7850

**Precinct No. 3 Substation**

2401 N. Moorefield Road  
Mission, Texas 78572  
Phone (956) 205-7045  
Fax (956) 205-7049

**PIPELINE AND UTILITY PERMIT APPLICATION PACKET**

THE STATE OF TEXAS

COUNTY OF HIDALGO

PRECINCT \_\_\_\_\_

**APPLICATION AND AGREEMENT FOR PIPELINE OR  
UTILITY PERMIT**

Date: \_\_\_\_\_

VEXUSFIBER (hereinafter referred to as "Applicant") does hereby make application to the Hidalgo County through the Hidalgo County Planning Department (hereinafter referred to as "HCPD") to construct, maintain and repair pipelines or utilities across the easements, right-of-ways, property or property interest as described below.

Information required:

1. Name, Address and Phone number of Applicant:

VEXUS FIBER, 4006 W LOOP 289 LUBBOCK, TX. 79407

Luis Smith 806-416-8107

2. Name, Address and Phone number of company or agency owning Pipeline or Utility (please indicate if same as Applicant):

VEXUS FIBER (Luis Smith)

4006 W LOOP 289 LUBBOCK, TX. 79407

3. Name, Address and Phone number of operator of Pipeline or Utility (please indicate if same as Applicant):

VEXUS FIBER (Luis Smith)

4006 W LOOP 289 LUBBOCK, TX. 79407

4. Name, Address and Phone number of contractor to install Pipeline or Utility:

BTS 1310 Industrial Way, Harlingen TX., 78550

Cody Fisher 956-367-4112



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5. Is this a common carrier pipeline or utility? If yes, please submit the Applicant's Texas Railroad Commission Form "T-4" or similar form designating the facility:

No

6. Does Applicant have the Power of Eminent Domain?

No

7. Will the product be carried for hire or by the owner of the goods?

N/A

8. Name and Legal description of property owner requesting utility services if applicable:

N/A

9. Type of utility work within county road right-of-way:

Bore Crossing     Line Extension  
Along R.O.W.     Other \_\_\_\_\_

10. Where is the origin of the line?

11. Where is the destination of the line?

COVERS MULTIPLE STREETS AS SHOWN IN THE PERMIT  
DRAWING



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## PIPELINE AND UTILITY PERMIT APPLICATION PACKET

SEE ATTACHMENT FOR STREET INFO

12. Utility Crossing Coordinate X: \_\_\_\_\_ Y: \_\_\_\_\_  
(NAD 83 Texas South FIPS 4205 feet)
13. Number and size of lines:  
PLACING 2" HDPE PIPE BY DIRECTIONAL BORE METHOD AND  
PULLING FIBER IN THE DUCT
14. Pressure (each line):  
N/A
15. Content (each line):  
N/A
16. Estimated date of installation of Pipeline or Utility:  
AS SOON AS THIS PERMIT GETS APPROVED BY H.C.  
COMMISSIONER COURT



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

1. All pipelines or utilities herein will be horizontally placed within the right-of-way as determined by HCPD and at a minimum depth of five (5) feet below natural ground. Depth, horizontal, and vertical location shall be confirmed by HCPD Inspectors.
2. Location map, profile, and plans concerning the proposed pipeline or utility crossing will furnished with this application.
3. HCPD will be notified in writing ten days prior to the beginning date of construction under this permit.
4. Applicant will bear the entire expense of all future relocations of any pipelines or utilities should such relocation, at the sole discretion of the Hidalgo County Commissioners Court, be necessary for improvements, alteration, or maintenance of Hidalgo County's easement or property of interest.
5. Applicant will notify the HCPD at least 48 hours prior to covering work and or completion of its work and removal of its equipment from the job site to permit HCPD to make an inspection.
6. Upon notification by the HCPD, 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 HCPD's sole judgment, as it existed prior to the commencement of the operations under this permit.
7. Hidalgo County 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 part from the negligence of Hidalgo County.



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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 Hidalgo County from the consequences of Hidalgo County's own negligence, whether that negligence is the sole or contributory cause of the resultant injury death, or damage.

Applicant further agrees to defend, at its own expense, with attorneys acceptable to Hidalgo County and on behalf of Hidalgo County, and in the name of Hidalgo County, any claim or litigation brought against Hidalgo County in connection with any such injury, death or damage.

Before construction is begun on such pipeline or utility crossings, Applicant will furnish to the HCPD a certificate of insurance (or other security approved by the HCPD) payable to Hidalgo County and protecting Hidalgo County (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.

8. Hidalgo County makes no warranties, expressed or implied, in the granting of this permit; nor does Hidalgo County purport to grant any property interest or exclusive privileges whatsoever by granting such permit. It is specifically understood that Hidalgo County 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 Hidalgo County's easement or other property interest is located. Furthermore, in granting this permit Hidalgo County 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 pipelines or utilities, made the subject of this application, nor does Hidalgo County make any representation or warranty as to the validity, quality or extent of such property interest, if any. Applicant acknowledges its understanding that Hidalgo County in granting this permit, does not convey or grant to Applicant any rights, title or interest for which is has no legal authority to grant or convey.
9. 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.



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10. Applicant will install its pipelines and utilities in a manner and location as shown in the plans and specifications filed with HCPD in support of this application for permit. Hidalgo County Planning Department's representative may at any time make such inspection as such engineer or other representation may deem necessary to assure that the construction of the pipeline or utilities 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 is being made. Should Applicant not install the pipelines or utilities in accordance with the terms and conditions of this permit, Applicant agrees that Hidalgo County shall have the right to require, at Applicant's expense, the removal of the pipelines and utilities and its replacement in conformance to said plans and specifications and conditions of this permit. Hidalgo County may revoke this permit and suspend all work hereunder if it is determined by Hidalgo County that the pipelines or utilities are not being installed 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 Hidalgo County.

11. 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 pipelines or utilities without first securing a new or amended permit from Hidalgo County prior to the making of any such change. Applicant will maintain the pipelines or utilities hereby authorized in good and safe condition, and in accordance with plans, specifications, and this permit.

12. Applicant agrees to pay HCPD a permit fee to cover administrative costs in the amount of **\$500.00**, plus a reimbursement to HCPD for any necessary engineering fees which may be incurred for the study and processing of the Application. This fee will permit a single pipeline or utility to be within County right-of-way. Applicant further agrees to pay an additional fee of **\$500.00** for each additional line included in permit application at the same location; however, more than one location may be included in a single application.

Requests to lay additional line or lines, not included in an initial permit application, must be made by separate application, with new permit fees paid accordingly and support data provided.



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

13. The Applicant is allowed one hundred twenty days (120) from the granting of the permit to start construction of the pipelines or utilities crossings. 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 Hidalgo County Commissioners Court. Such applications for extension must be received by HCPD at least thirty days before the expiration of the two hundred ten (210) days period. A new permit fee, in accordance with Paragraph 12 hereof, will be charged for each extension granted.

Construction of any pipeline or utility crossing will not begin until written approval has been given by HCPD.

14. All provisions of the Pipeline and Utility Permit Administration Policy of Hidalgo County, if any, and all amendments thereto, are hereby incorporated herein as part of the terms and conditions of this permit for all purposes.
15. 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 pipeline or utility in the manner set forth herein.
16. This Pipeline and Utility Permit if granted by Hidalgo County is subject to any and all other requirements, specifications and conditions listed in Exhibit A attached hereto.
17. Hidalgo County requires all coordinates of all utility crossings. Horizontal datum to be in NAD 83 State Plane Texas South 4205 feet and vertical datum in NAVD 88 Geoid 12a.



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18. 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.

19. 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 Pipeline or Utility Permit.

DATED this 17th day of May, 2024.

Mikayla Martinez  
(Name of Applicant – Printed or Typed)

By: Mikayla Martinez  
Signature

Title: Permit Clerk

STATE OF TEXAS  
COUNTY OF HIDALGO

SUBSCRIBED AND SWORN TO before me the Applicant,  
Mikayla Martinez, on this 17 day of May, 2024,  
to which witness my hand and seal of office.



Melinda Medley  
Notary Public for the State of Texas

My Commission Expires: 9-13-2025

MC01-09-009



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**PIPELINE AND UTILITY PERMIT APPLICATION PACKET**

**APPROVAL OF APPLICATION BY  
HIDALGO COUNTY PLANNING DEPARTMENT**

Came on for consideration this \_\_\_\_\_ day of \_\_\_\_\_,  
20\_\_\_\_. The above and foregoing Application for Pipeline and Utility  
Permit, and after consideration of the same by the Hidalgo County  
Commissioners Court, said Application and Agreement for Pipeline or  
Utility Permit is hereby APPROVED.

HIDALGO COUNTY:

\_\_\_\_\_  
Richard F. Cortez, County Judge



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# **PIPELINE AND UTILITY PERMIT APPLICATION PACKET**

## **EXHIBIT A**

(Please insert description of project location and supporting documents for proposed utility work)



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/26/2023

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 have ADDITIONAL INSURED provisions or 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).

<b>PRODUCER</b> IMA, Inc. - Kansas City 9393 W. 110th Street Suite 600 Overland Park KS 66210	<b>CONTACT NAME:</b> Sarah Van Ryn <b>PHONE (A/C. No. Ext):</b> 913-982-3650 <b>E-MAIL ADDRESS:</b> sarah.vanryn@imacorp.com		<b>FAX (A/C. No.):</b> 913-982-3495
	<b>INSURER(S) AFFORDING COVERAGE</b>		
License#: PC-1210733 METRINC-01	<b>INSURER A:</b> Travelers Property Casualty Company of America	<b>NAIC #</b> 25674	
<b>INSURED</b> NTS Communications, LLC. dba Vexus Fiber 912 S Main St. Ste. 106 Sikeston, MO 63801	<b>INSURER B:</b> The Charter Oak Fire Insurance Company	<b>NAIC #</b> 25615	
	<b>INSURER C:</b> The Travelers Indemnity Company of America	<b>NAIC #</b> 25666	
	<b>INSURER D:</b> The Standard Fire Insurance Company	<b>NAIC #</b> 19070	
	<b>INSURER E:</b> The Continental Insurance Company	<b>NAIC #</b> 35289	
	<b>INSURER F:</b>		

**COVERAGES**

CERTIFICATE NUMBER: 2043665832

REVISION NUMBER:

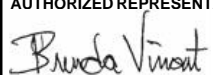
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE 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	
B	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			H6307115P319COF22	10/1/2023	10/1/2024	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
							MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
C	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			8100P86605123I3	10/1/2023	10/1/2024	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
A	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUP8J38489123I3	10/1/2023	10/1/2024	EACH OCCURRENCE	\$ 10,000,000
							AGGREGATE	\$ 10,000,000
								\$
D	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	UB4T72464523I3G	10/1/2023	10/1/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
B E A	Pers. Prop(Care/Custody/Control) 2nd Layer Excess Liability Cyber Liability			H6307115P319COF22 7034704017 TBD	10/1/2023 10/1/2023 10/1/2023	10/1/2024 10/1/2024 10/1/2024	Limit \$1,000,000 Ea. Occ. \$15,000,000 See Below	Deductible \$2,500 Agg. \$15,000,000

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

Cyber Liability: Each Occurrence \$5,000,000; Aggregate \$5,000,000; Retention \$100,000.  
 The General Liability policy includes a Contractual Liability Railroad endorsement CG D6 47 10 12, subject to policy terms and conditions.  
 Certificate Holder is included as Additional Insured on the General Liability Policy, if required by written contract or agreement, subject to the policy terms and conditions.

**CERTIFICATE HOLDER****CANCELLATION**

Hidalgo County, Texas 2818 S. Business Hwy 281 Edinburg TX 78539	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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**Vexus Fiber PON# MCAL.09.009**

**Subdivision Names**

**RANCHO ESCONDIDO**

**MORNING-WOOD**

**ALAMO LAND & SUGAR CO**

Vexus Fiber PON# MCAL.09.009

County Streets

East to West

Val Bal Dr

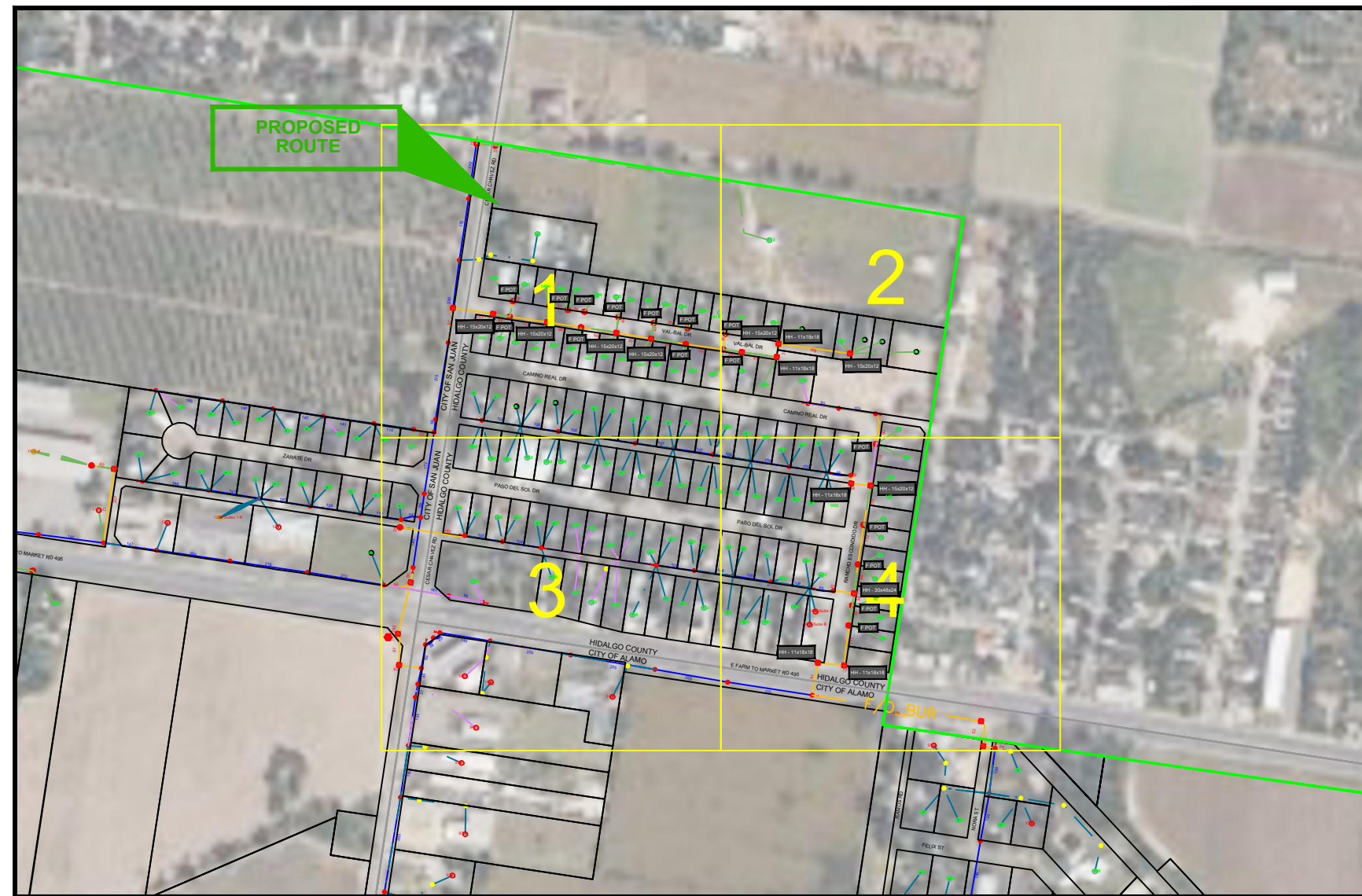
Lat/Long: 26.207000, -98.129800

North to South

Rancho Escondido Dr

Lat/Long: 26.205300, -98.128200

# MCAL\_09\_009\_PERMIT\_UG\_HIDALGO.dwg














TOTAL LINEAR FOOTAGE: 2,725 FT

DATE: MAY 15, 2024

# CONSTRUCTION

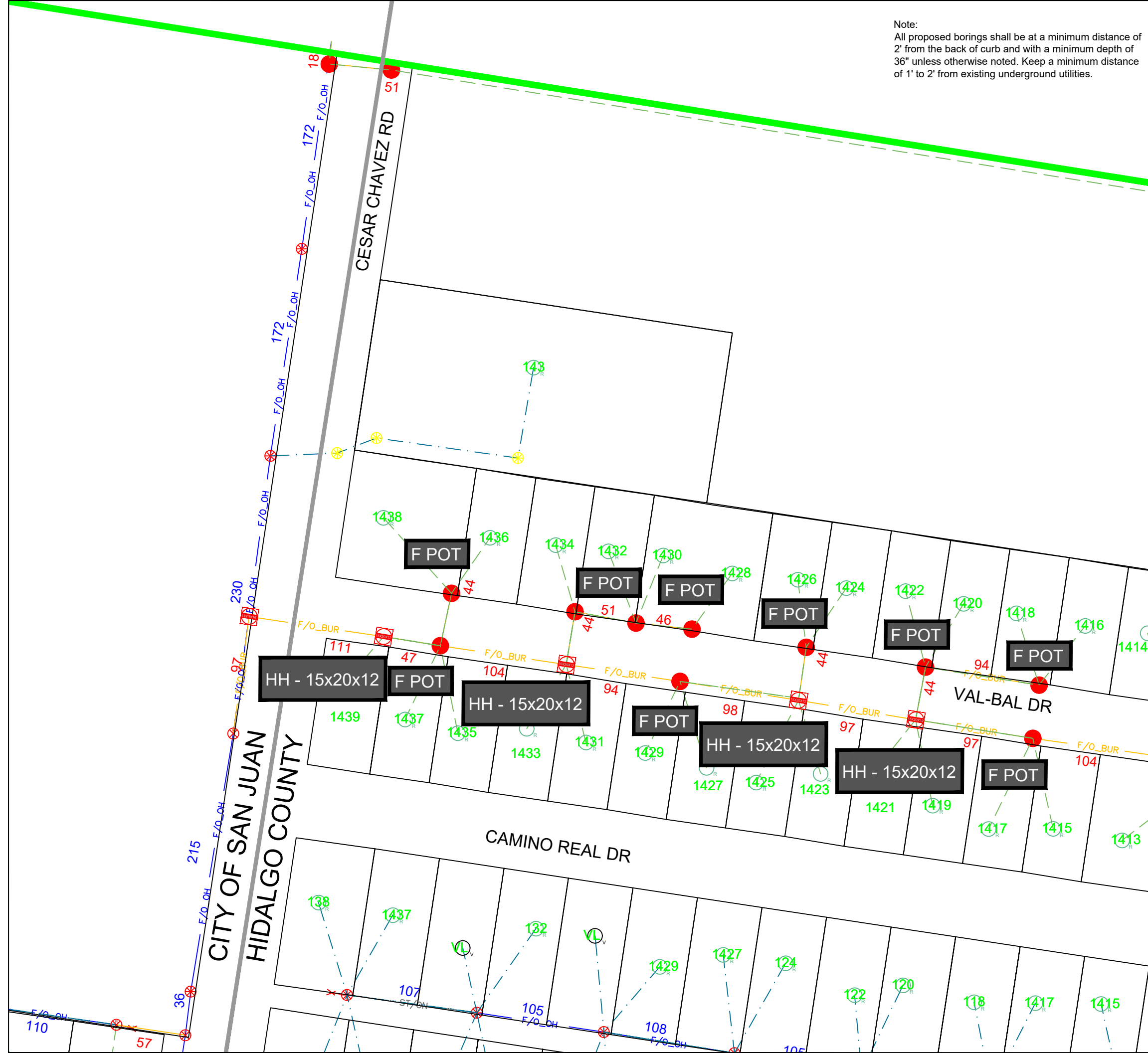
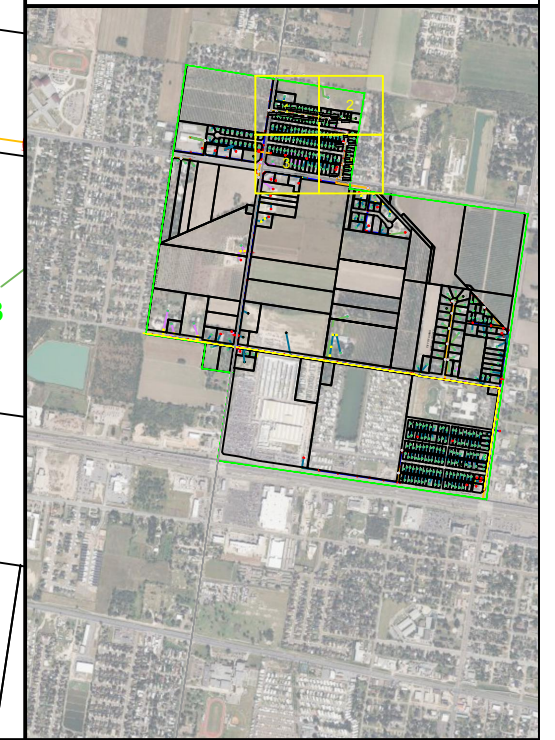
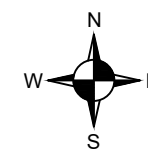
Note:  
All proposed borings shall be at a minimum distance of 2' from the back of curb and with a minimum depth of 36" unless otherwise noted. Keep a minimum distance of 1' to 2' from existing underground utilities.

-  Active Cabinet
-  Handhole
-  Pedestal
-  Flower Pot
-  Bore in 2.00" Duct






Equipment	Total Used
 Handhole 30x48x24	01
 Handhole 24x36x24	00
 Handhole 17x30x17	00
 Handhole 15x20x12	07
 Handhole 11x18x18	05
 Flower Pot	18

For print on Tabloid (11x17) size paper or larger.

Disclaimer: Utility and property lines are shown for reference only. It is the Contractor's responsibility to validate the information to ensure no underground utilities are damaged and installed infrastructure is within public right-of-way.



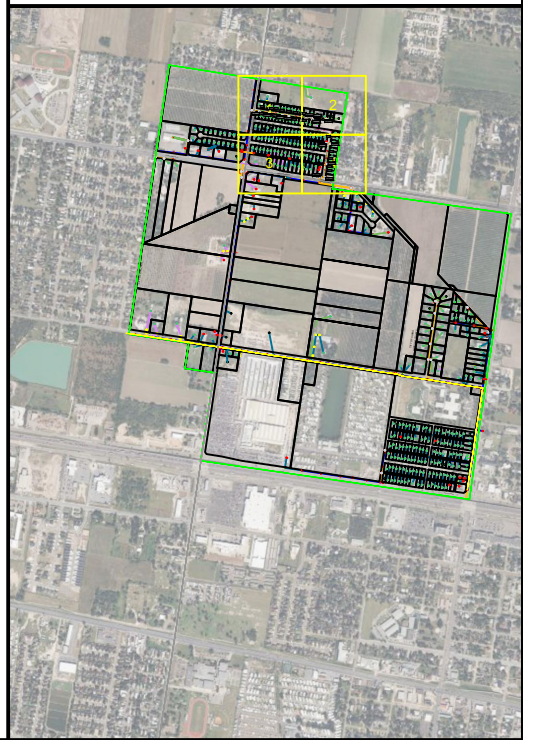
Note:  
All proposed borings shall be at a minimum distance of 2' from the back of curb and with a minimum depth of 36" unless otherwise noted. Keep a minimum distance of 1' to 2' from existing underground utilities.

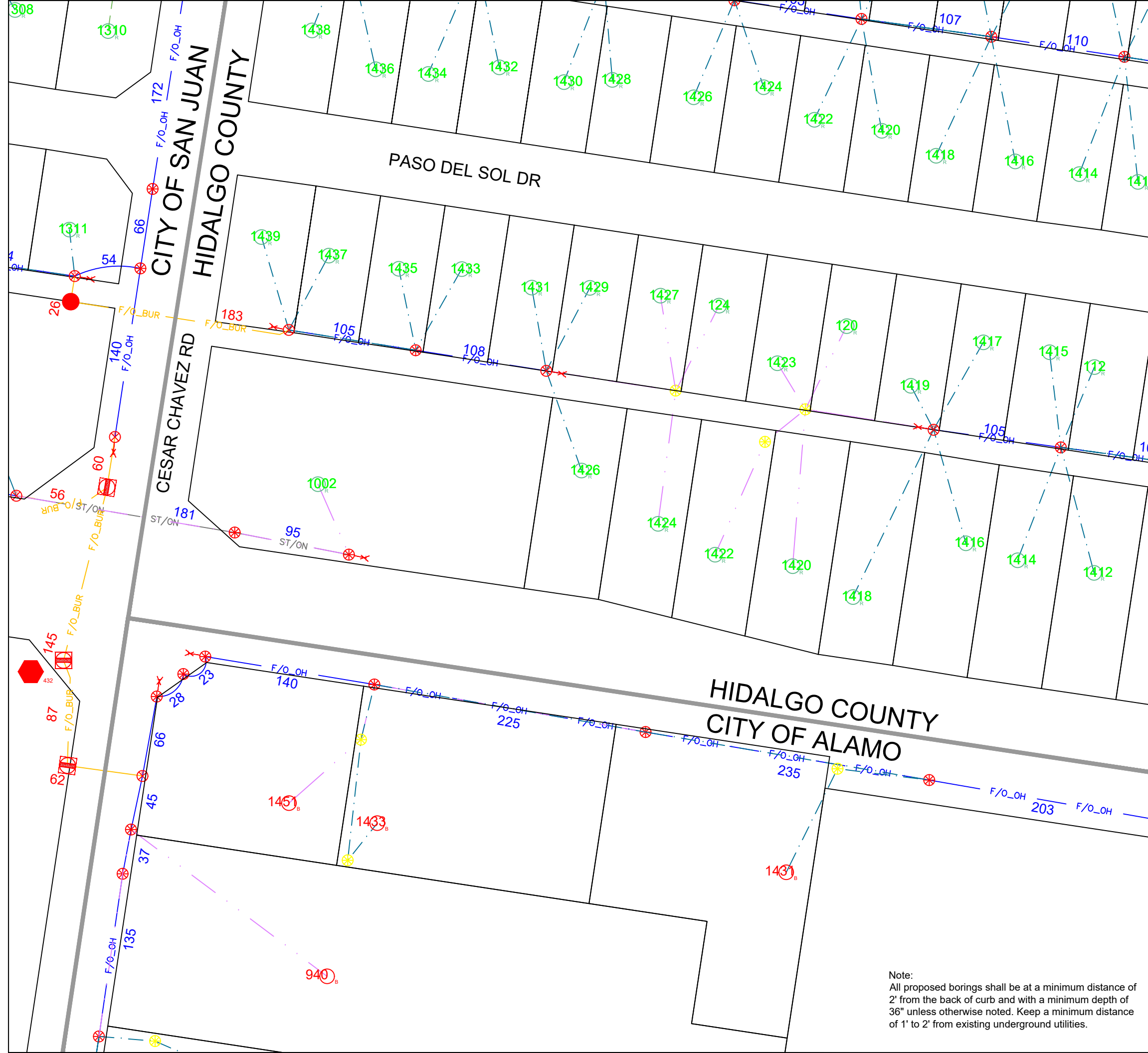
-  Active Cabinet
-  Handhole
-  Pedestal
-  Flower Pot
-  Bore in 2.00" Duct






Equipment	Total Used
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For print on Tabloid (11x17) size paper or larger.

Disclaimer: Utility and property lines are shown for reference only. It is the Contractor's responsibility to validate the information to ensure no underground utilities are damaged and installed infrastructure is within public right-of-way.



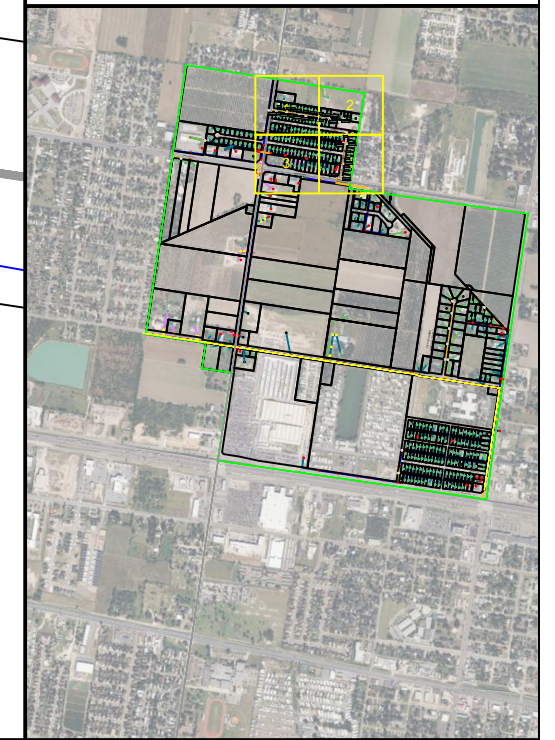
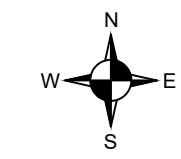


-  Active Cabinet
-  Handhole
-  Pedestal
-  Flower Pot
-  Bore in 2.00" Duct

Equipment	Total Used
 Handhole 30x48x24	01
 Handhole 24x36x24	00
 Handhole 17x30x17	00
 Handhole 15x20x12	07
 Handhole 11x18x18	05
 Flower Pot	18

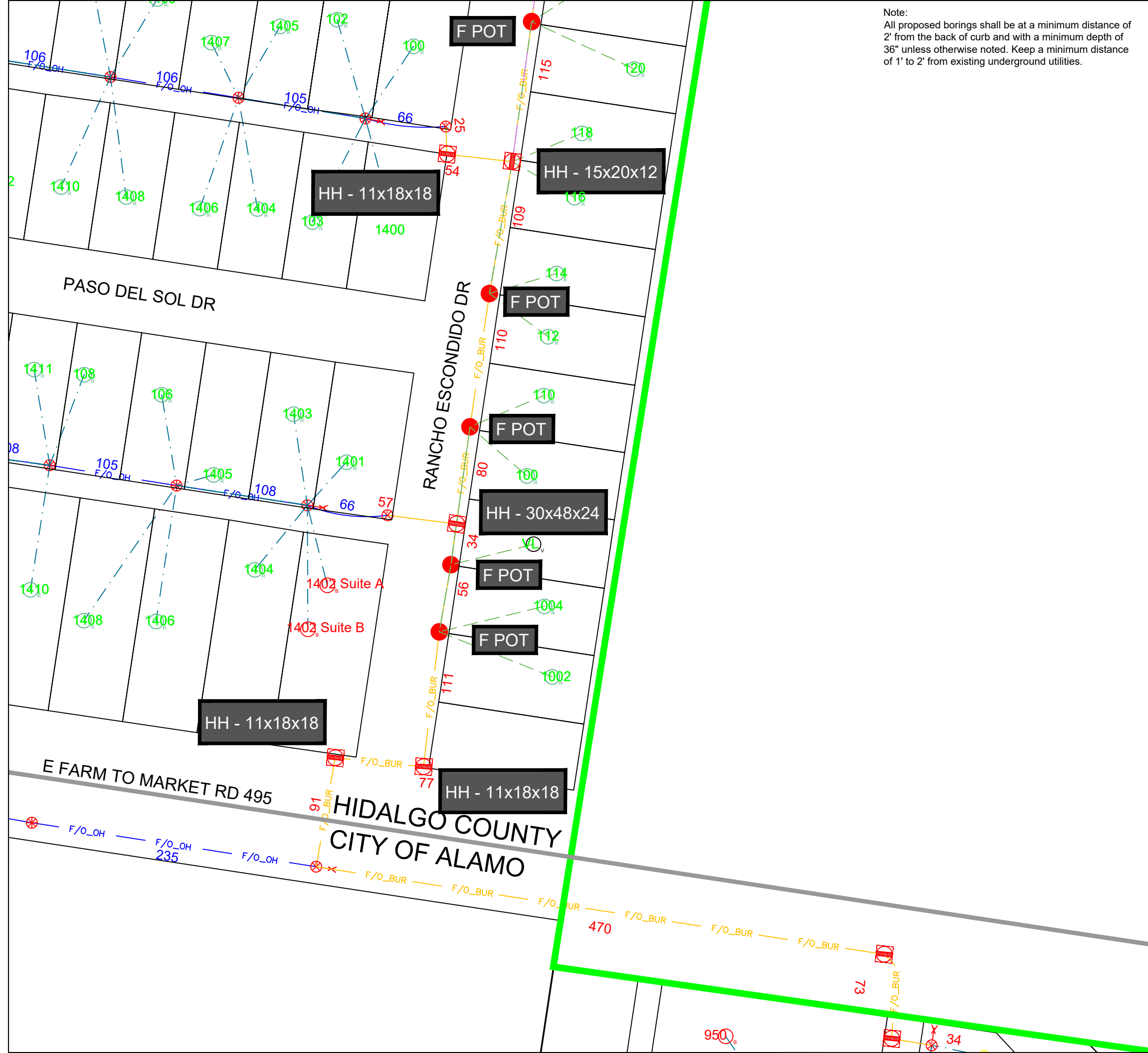
For print on Tabloid (11x17) size paper or larger.

Disclaimer: Utility and property lines are shown for reference only. It is the Contractor's responsibility to validate the information to ensure no underground utilities are damaged and installed infrastructure is within public right-of-way.



Note:  
All proposed borings shall be at a minimum distance of 2' from the back of curb and with a minimum depth of 36" unless otherwise noted. Keep a minimum distance of 1' to 2' from existing underground utilities.

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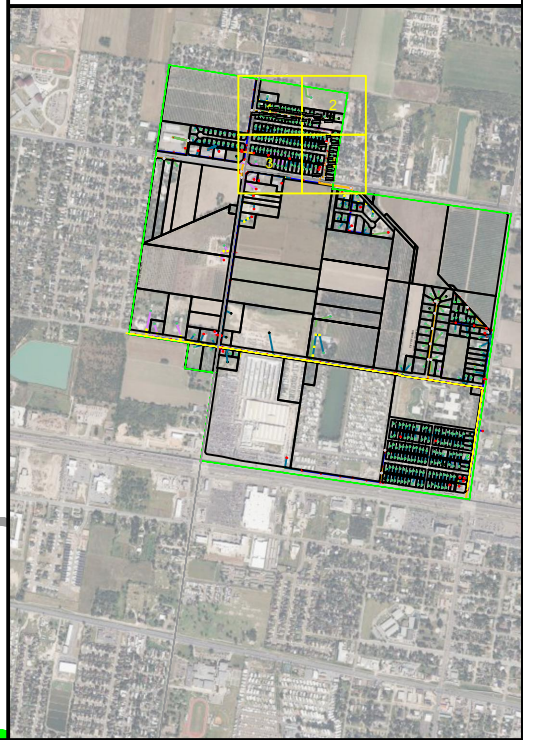


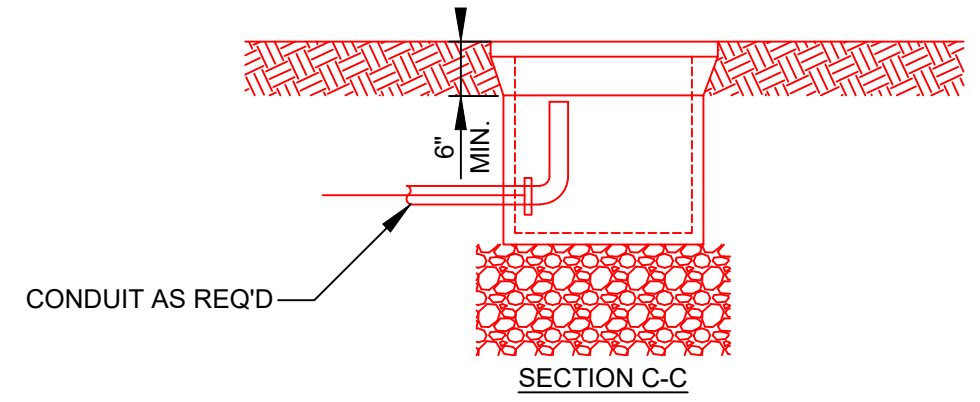
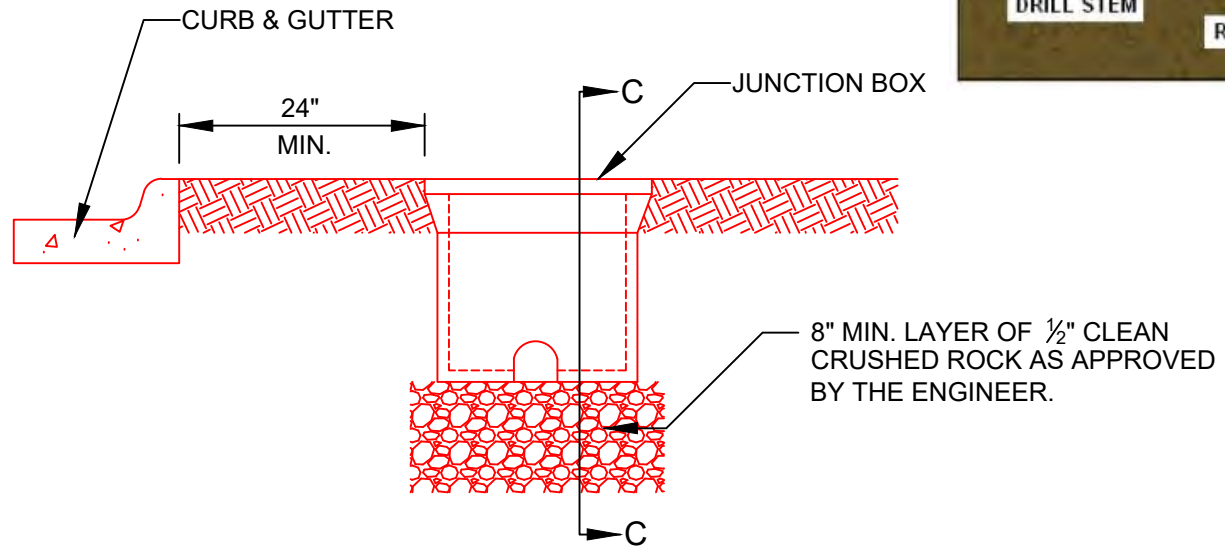
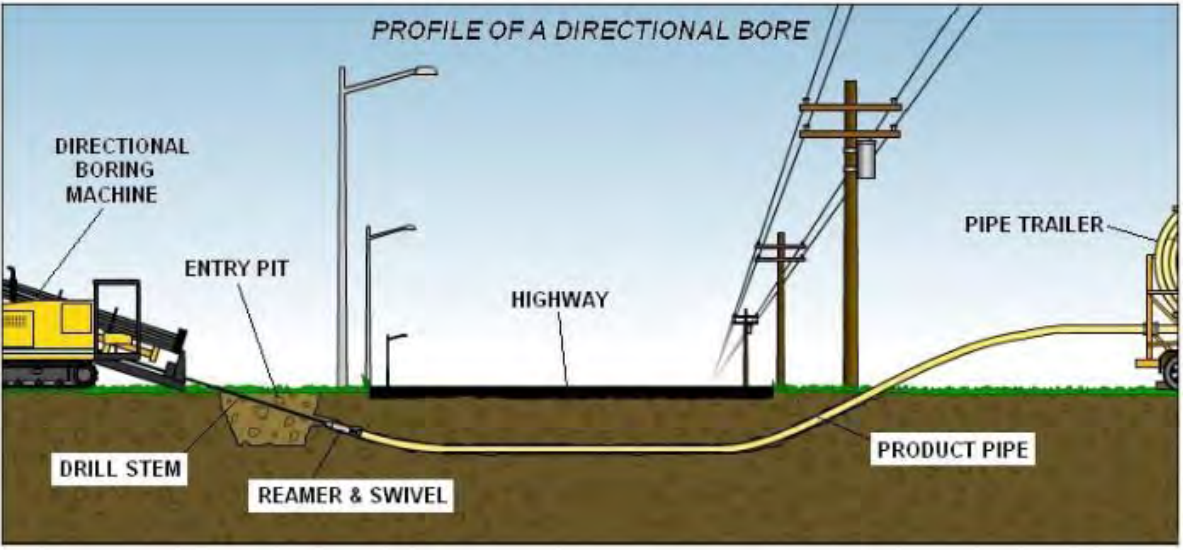
- Active Cabinet
- Handhole
- Pedestal
- Flower Pot
- Bore in 2.00" Duct

Equipment	Total Used
Handhole 30x48x24	01
Handhole 24x36x24	00
Handhole 17x30x17	00
Handhole 15x20x12	07
Handhole 11x18x18	05
Flower Pot	18

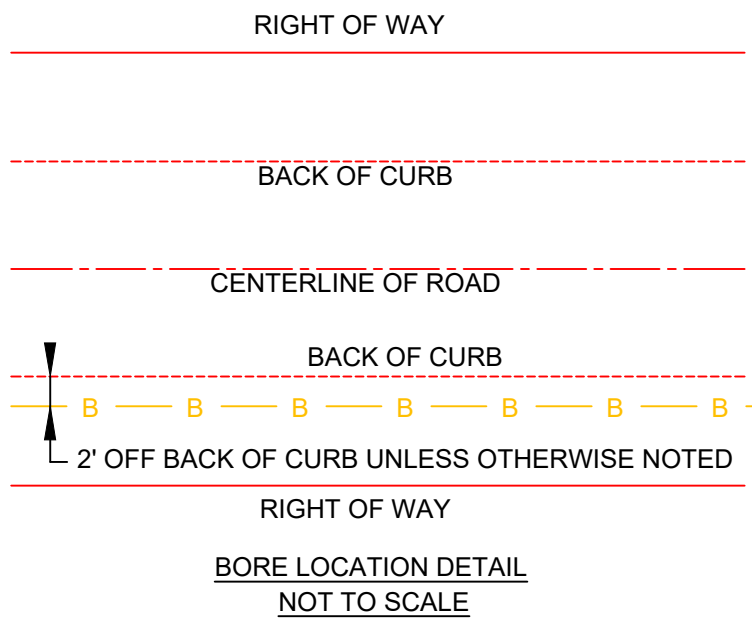
For print on Tabloid (11x17) size paper or larger.

Disclaimer: Utility and property lines are shown for reference only. It is the Contractor's responsibility to validate the information to ensure no underground utilities are damaged and installed infrastructure is within public right-of-way.





JUNCTION BOX INSTALLATION DETAIL  
NOT TO SCALE



**PRODESIGN**  
ENGINEERING

1295 Lourdes Rd  
Metamora, IL 61548

DRAWN BY:	CHECKED BY:
	SHW

SUBMITTALS		
DATE	DESCRIPTION	REV

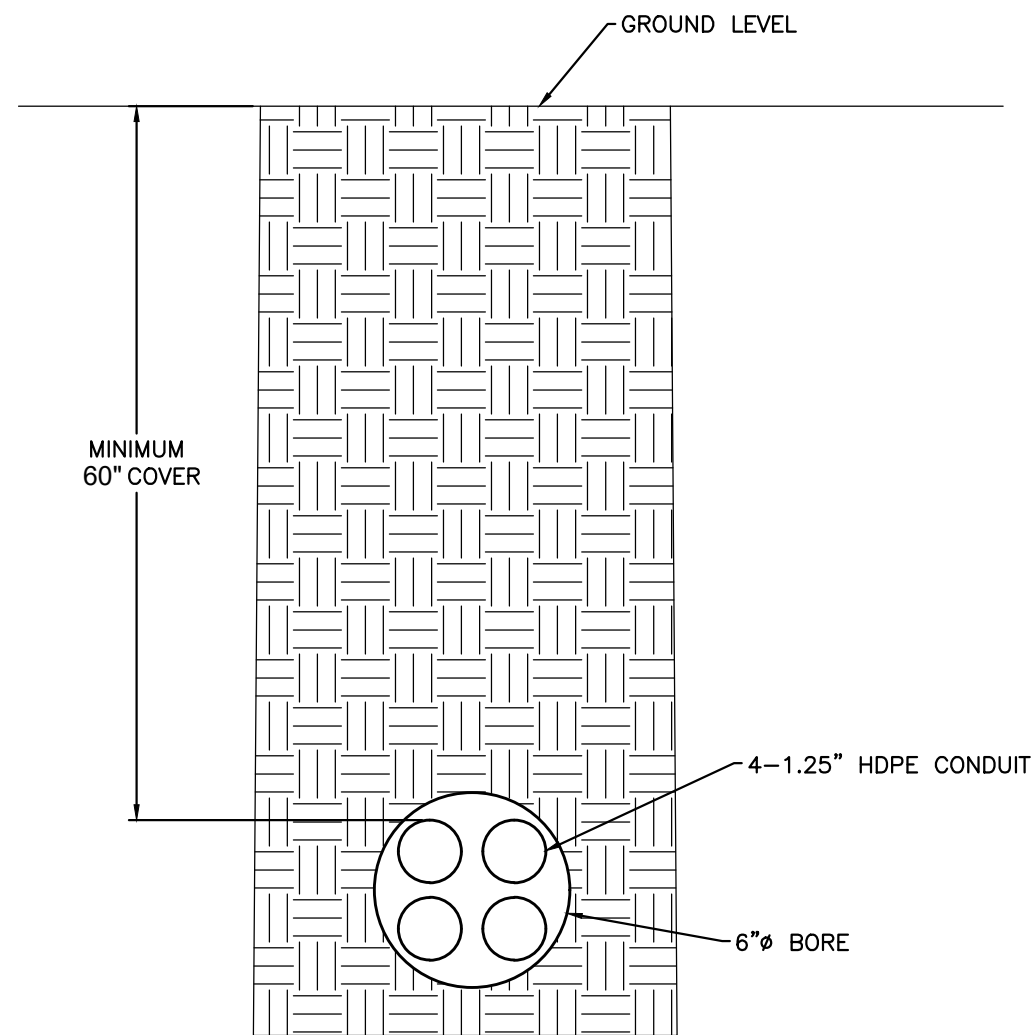
PROJECT NO.

SHEET TITLE  
**DETAILS**

ENGINEER STAMP

**NOTES:**

1. TYPICAL INSTALLATION OFFSET SHALL BE 5' WITHIN THE RIGHT-OF-WAY.
2. ALLEY CONSTRUCTION WILL BE PERFORMED BY CLOSING ALLEY WHILE CONSTRUCTION OCCURS WITH PROPER BARRICADES AND SIGNAGE.
3. ALL ROADWAY WORK SHALL FOLLOW TEXAS DOT MAINTENANCE OF TRAFFIC REQUIREMENTS.
4. DIRECTIONAL DRILLING SHALL BE UTILIZED AS DESIRED BY CONTRACTOR TO MINIMIZE IMPACT TO TREES AND HORTICULTURAL ELEMENTS.
5. APPLICANT SHALL NOTIFY ALL ADJACENT OR OTHERWISE AFFECTED PROPERTY OWNERS VIA DOOR HANGERS PRIOR TO COMMENCING WORK.



TYPICAL BORE DETAIL  
NTS



1295 Lourdes Rd  
Metamora, IL. 61548

DRAWN BY:	CHECKED BY:
	SHW

SUBMITTALS		
DATE	DESCRIPTION	REV

TYPICAL BORE  
DETAIL

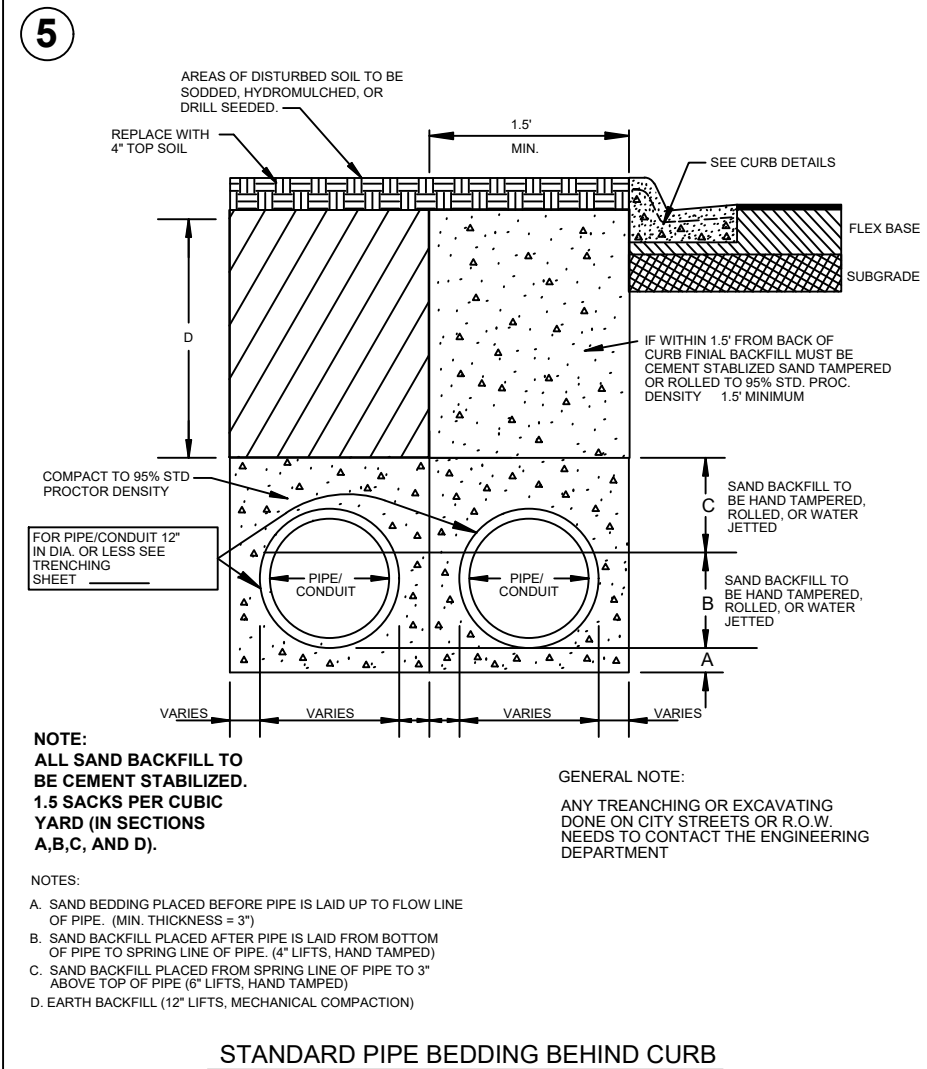
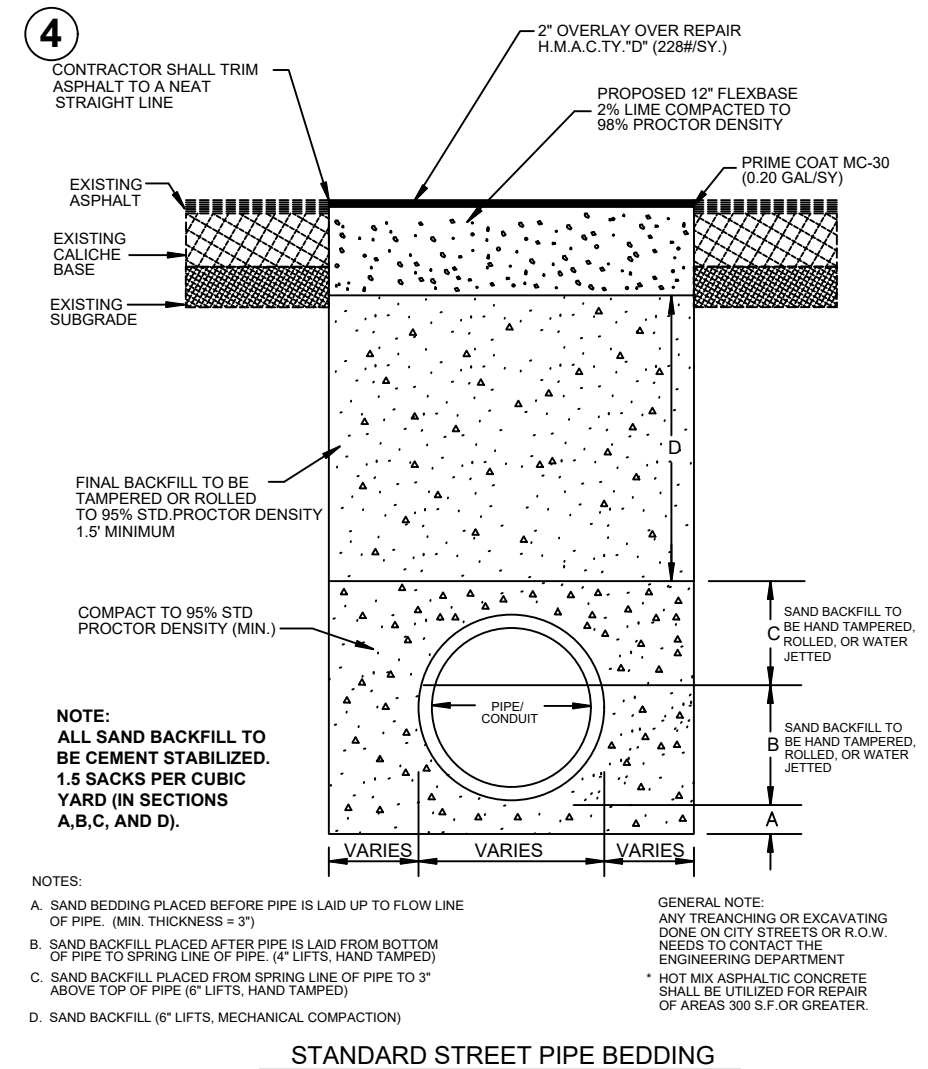
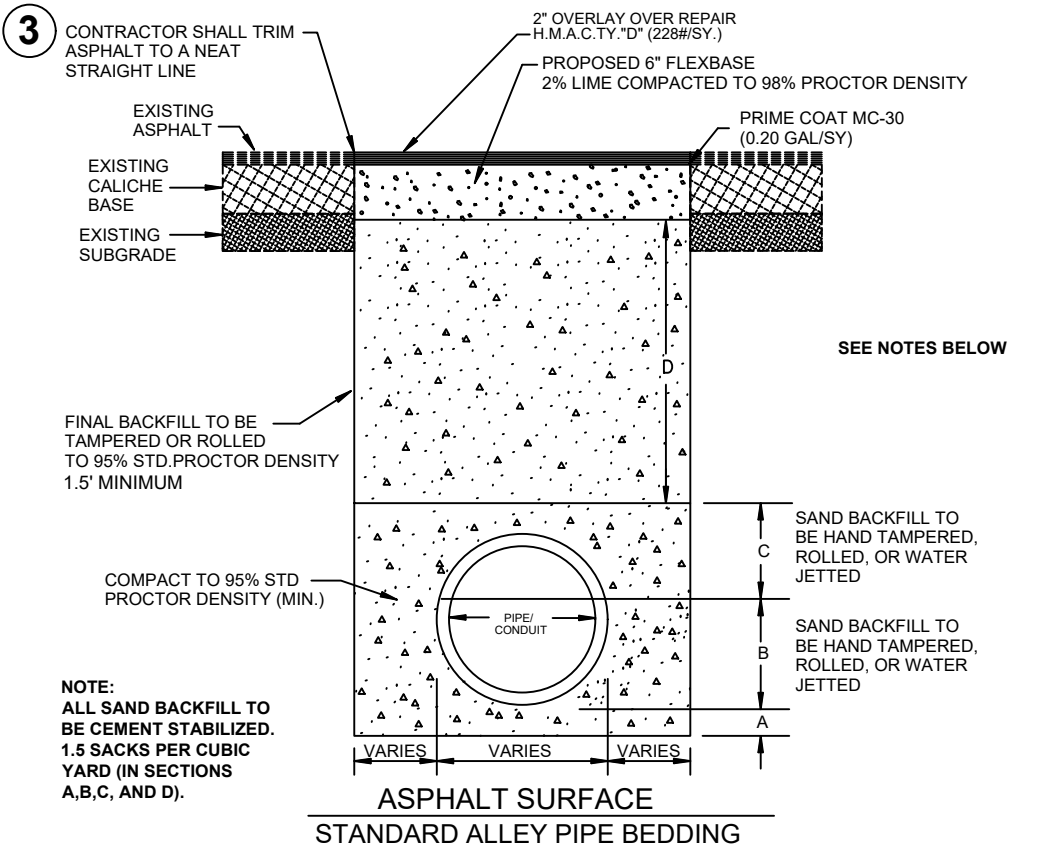
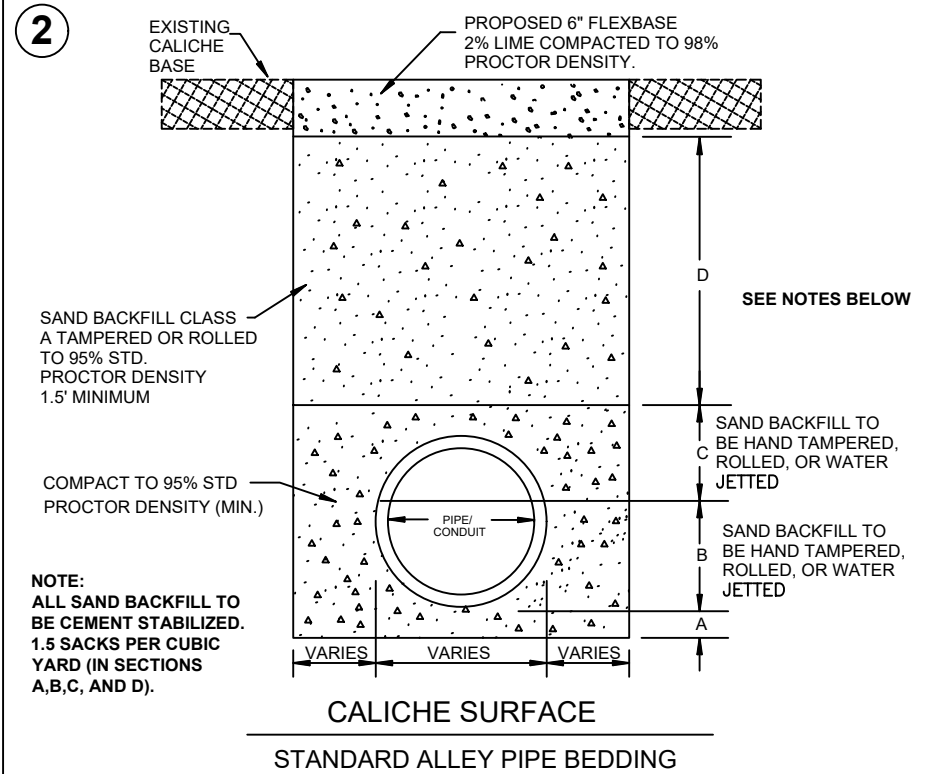
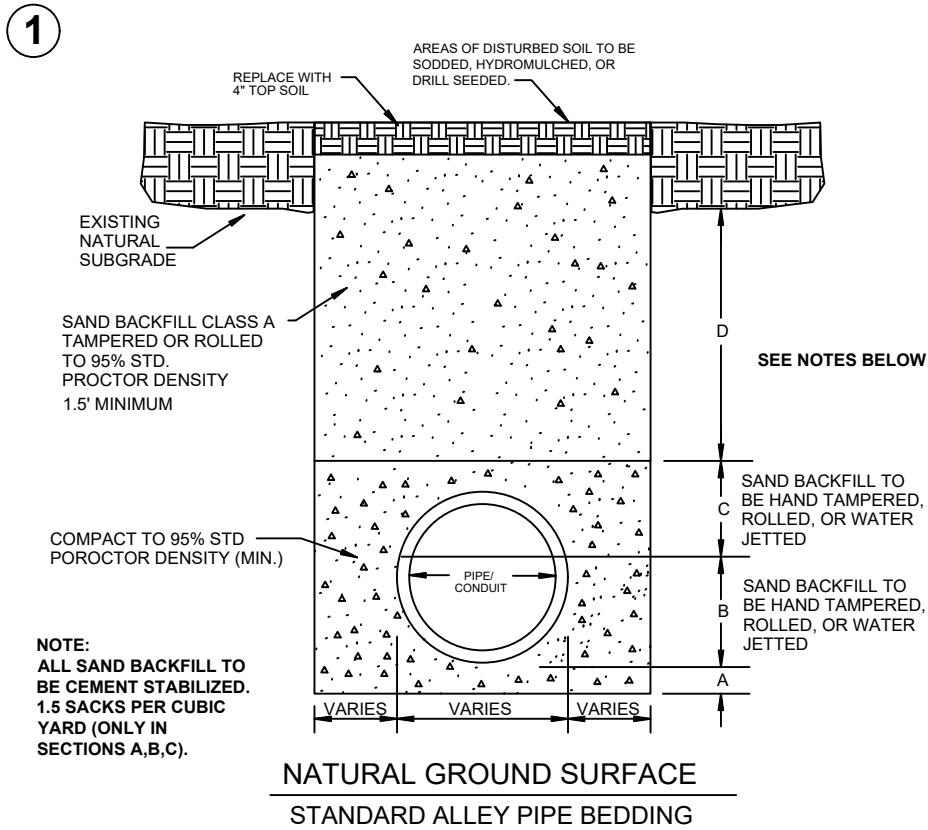
PROJECT NO.

SHEET TITLE

ENGINEER STAMP

SHEET NUMBER  
OF

E:\OneDrive - EX2 Technology\DWG\Typical Bore Detail.dwg



NOTES:


- SAND BEDDING PLACED BEFORE PIPE IS LAID UP TO FLOW LINE OF PIPE. (MIN. THICKNESS = 3")
- SAND BACKFILL PLACED AFTER PIPE IS LAID FROM BOTTOM OF PIPE TO SPRING LINE OF PIPE. (4" LIFTS, HAND TAMPED)
- SAND BACKFILL PLACED FROM SPRING LINE OF PIPE TO 3" ABOVE TOP OF PIPE (6" LIFTS, HAND TAMPED)
- SAND BACKFILL (6" LIFTS, MECHANICAL COMPACTION)

NOTE REGARDING CEMENT STABILIZED SAND BACKFILL: CEMENT STABILIZED SAND IS TO BE USED FOR TRENCHES WITHIN EXISTING ROADWAY SECTIONS OR AS SPECIFIED BY THE ENGINEER OR PLANS.

GENERAL NOTES:

- ANY TRENCHING OR EXCAVATING DONE ON CITY STREETS OR R.O.W. NEEDS TO CONTACT THE ENGINEERING DEPARTMENT
- \* HOT MIX ASPHALTIC CONCRETE SHALL BE UTILIZED FOR REPAIR OF AREAS 300 S.F. OR GREATER.
- ALL SAND TO BE ARROYO SAND (200 WASH 100% PASSING)
- AREAS OF DISTURBED SOIL NOT WITH IN THE STREET OR ALLEY WAY TO BE SODDED, HYDROMULCHED, OR DRILL SEEDED.

NOTE: THE THICKNESS OF EXISTING ASPHALT, FLEXBASE, AND SUBGRADE VARIES.



**ENGINEERING DEPARTMENT**

**STANDARD BACKFILL REQUIREMENTS**

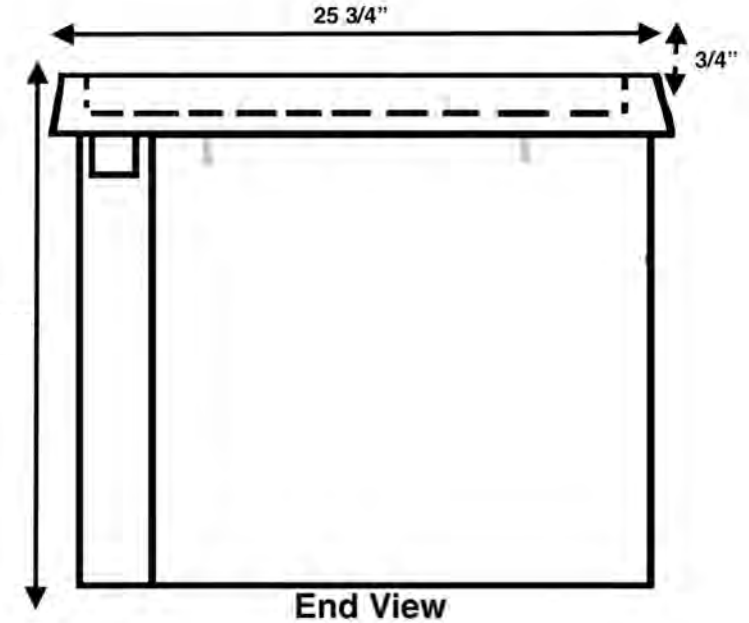
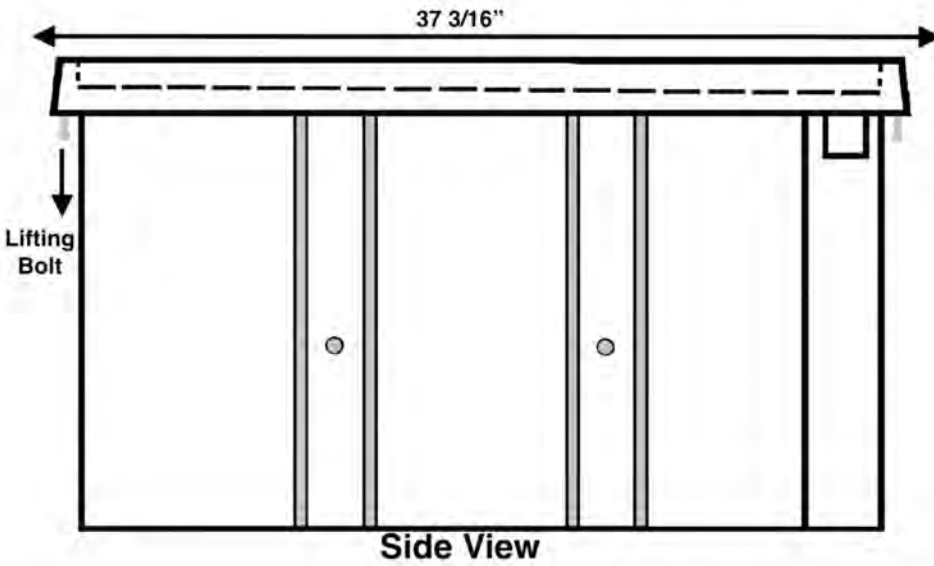
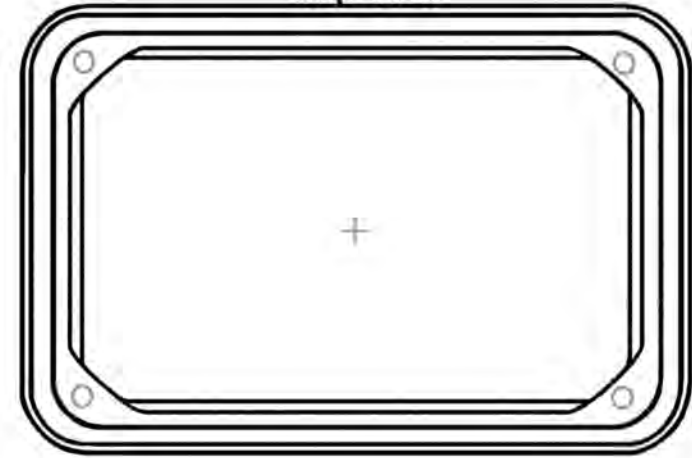
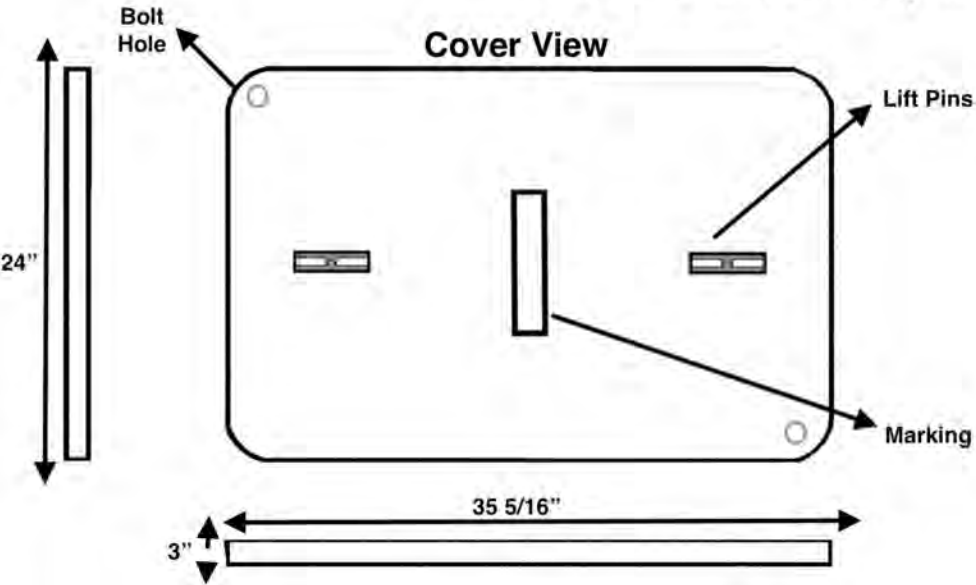
NOT TO SCALE

PROJECT NO.		FILE NO.	SHEET NO.
		city_backfill.dwg	
STATE	COUNTY	MONTH	YEAR
TEXAS			

# APC 243624 Polymer Concrete Box & Cover

Cover View

Top View



**JH American Enclosures**  
Made from over 30 years of experience

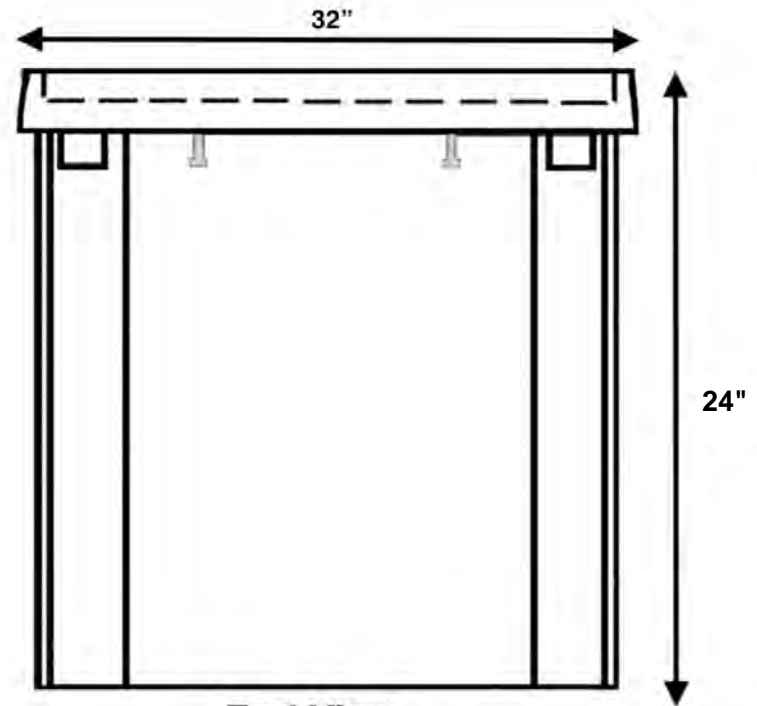
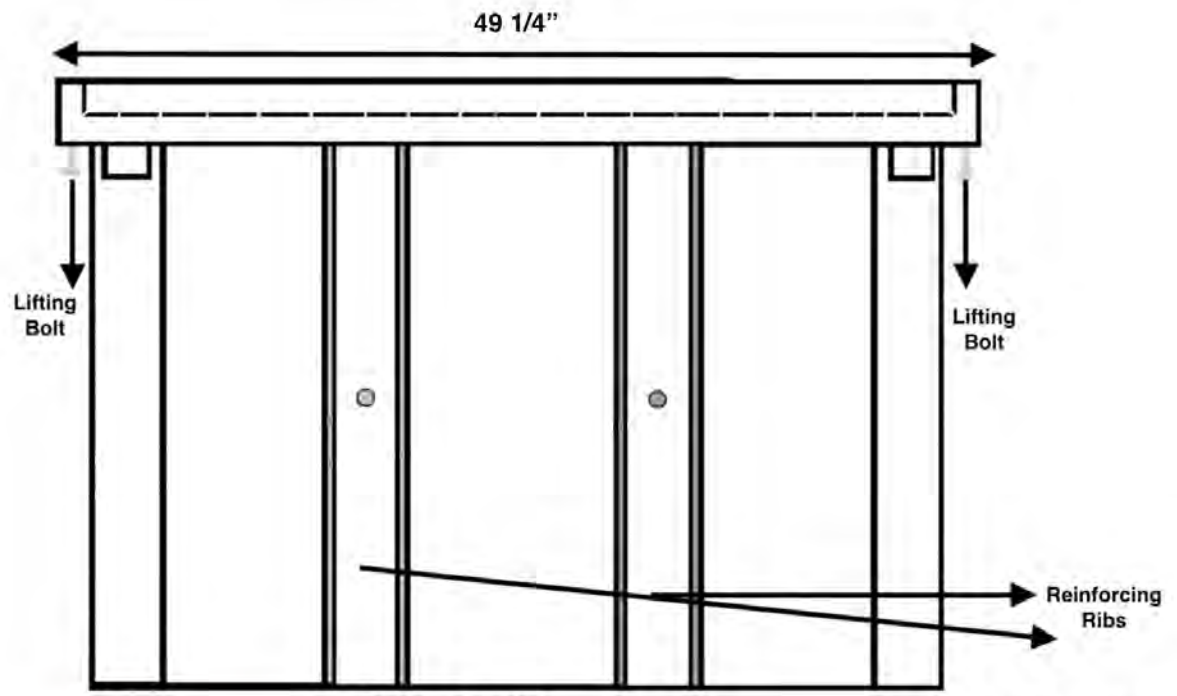
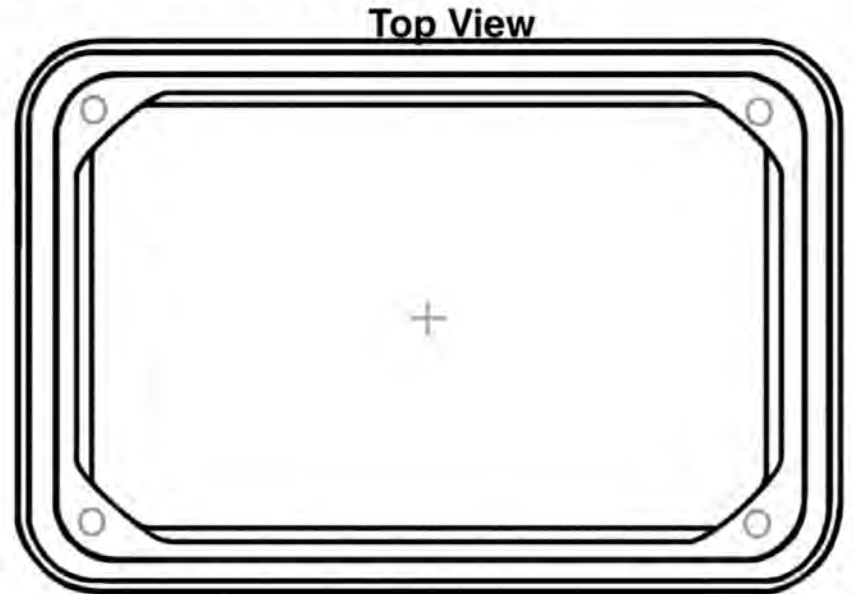
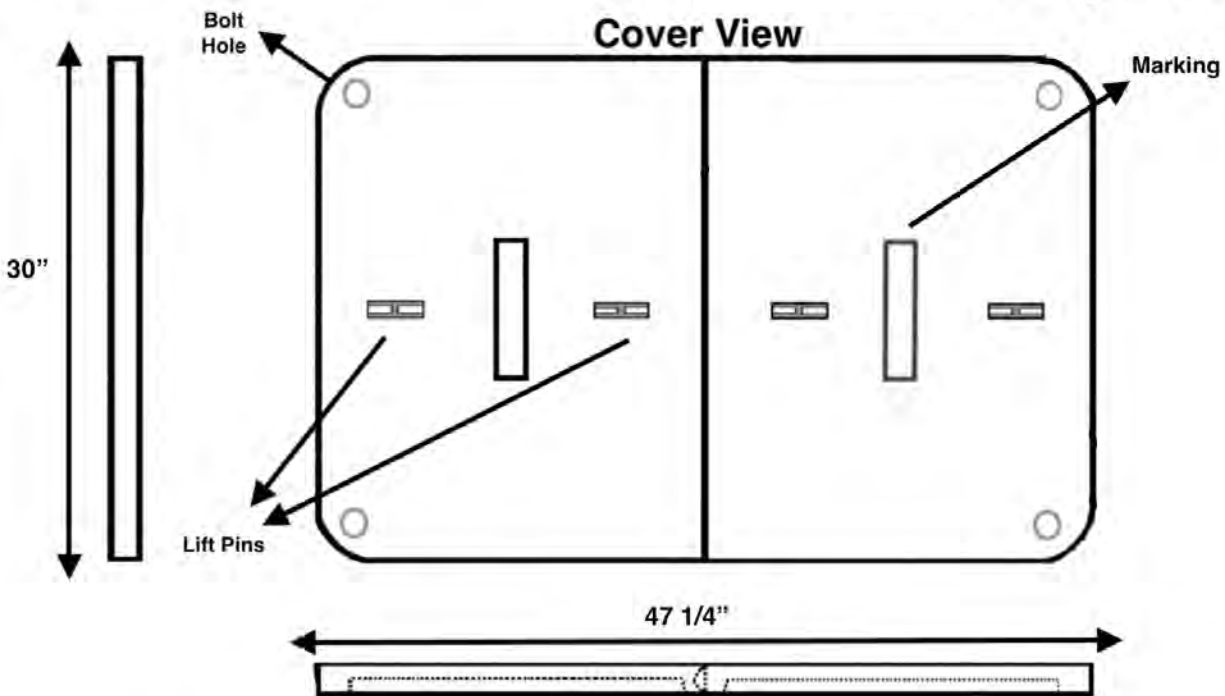
PO Box 330596  
Fort Worth TX, 76163  
jh\_american@yahoo.com

Loading Requirements  
Vertical  
Design Load: 22,500 lbs  
Test Load: 33,750 lbs

Lateral  
Design Load: 800 lbs/sq. ft.  
Test Load: 1,200 lbs/sq. ft.

<b>Part No. APC243624</b>
<b>Body: Polymer Concrete</b>
<b>Cover: Polymer Concrete</b>
<b>Weight: 280lb Tolerance: +/- 1/8"</b>
<b>Material: Polymer Concrete</b>
<b>Standard Color: Gray</b>
<b>Tier 22</b>

# APC 304824 Polymer Concrete Box & Cover



Loading Requirements  
Vertical  
Design Load: 22,500 lbs  
Test Load: 33,750 lbs

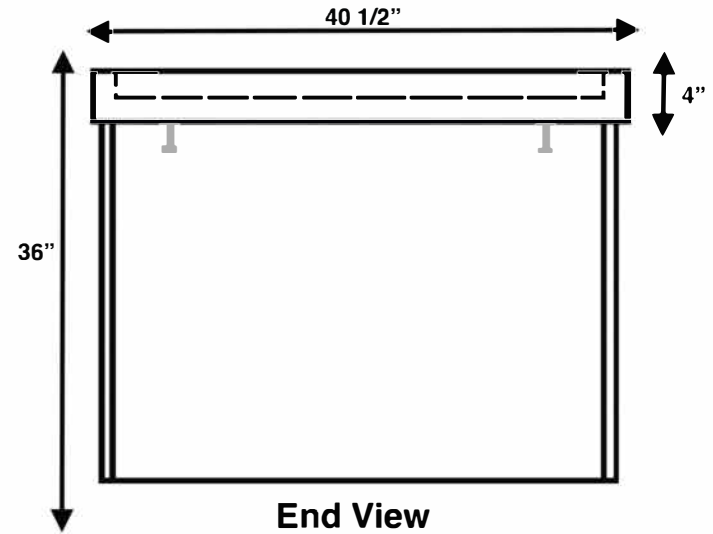
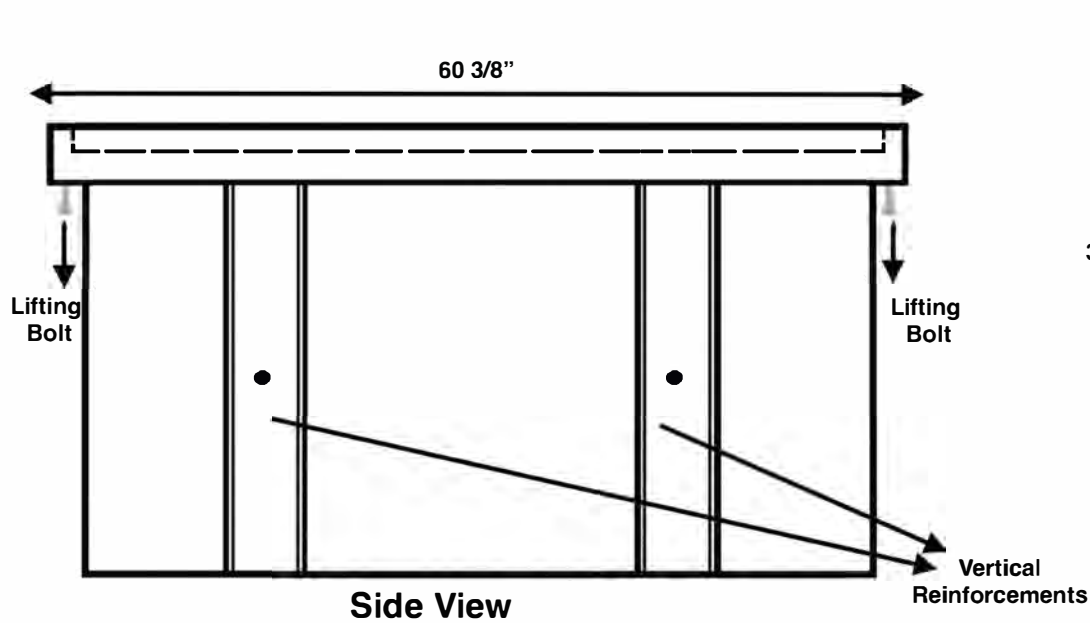
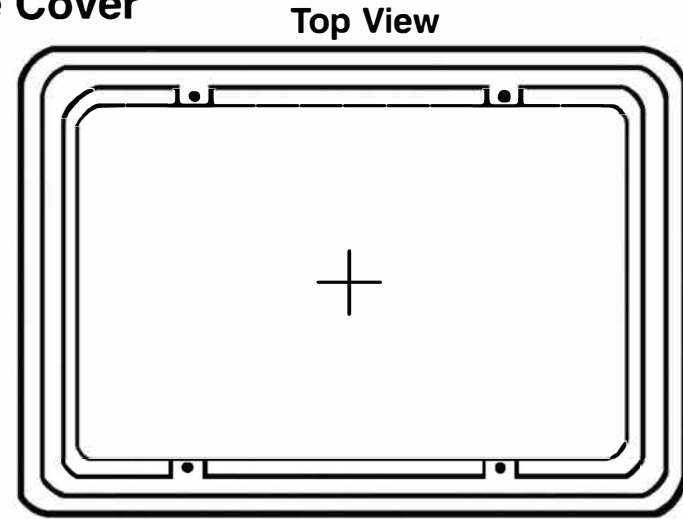
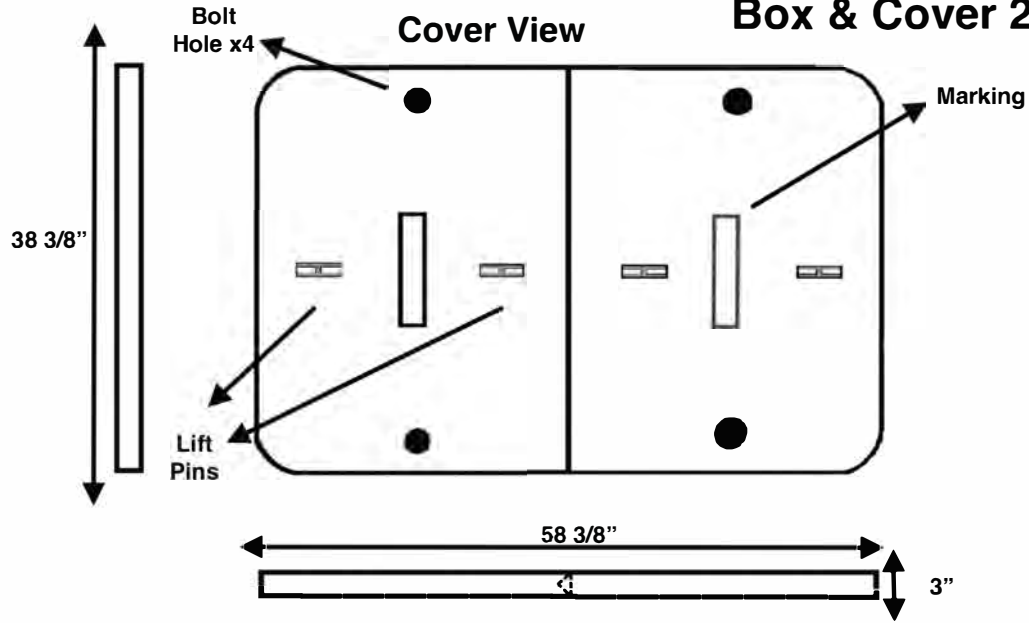
Lateral  
Design Load: 800 lbs/sq. ft.  
Test Load: 1,200 lbs/sq. ft.

<b>Part No.</b> APC304824
<b>Body:</b> Polymer Concrete
<b>Cover:</b> Polymer Concrete
<b>Weight:</b> 640 lbs Tolerance: +/- 1/8"
<b>Material:</b> Polymer Concrete
<b>Standard Color:</b> Gray
<b>Tier</b> 22

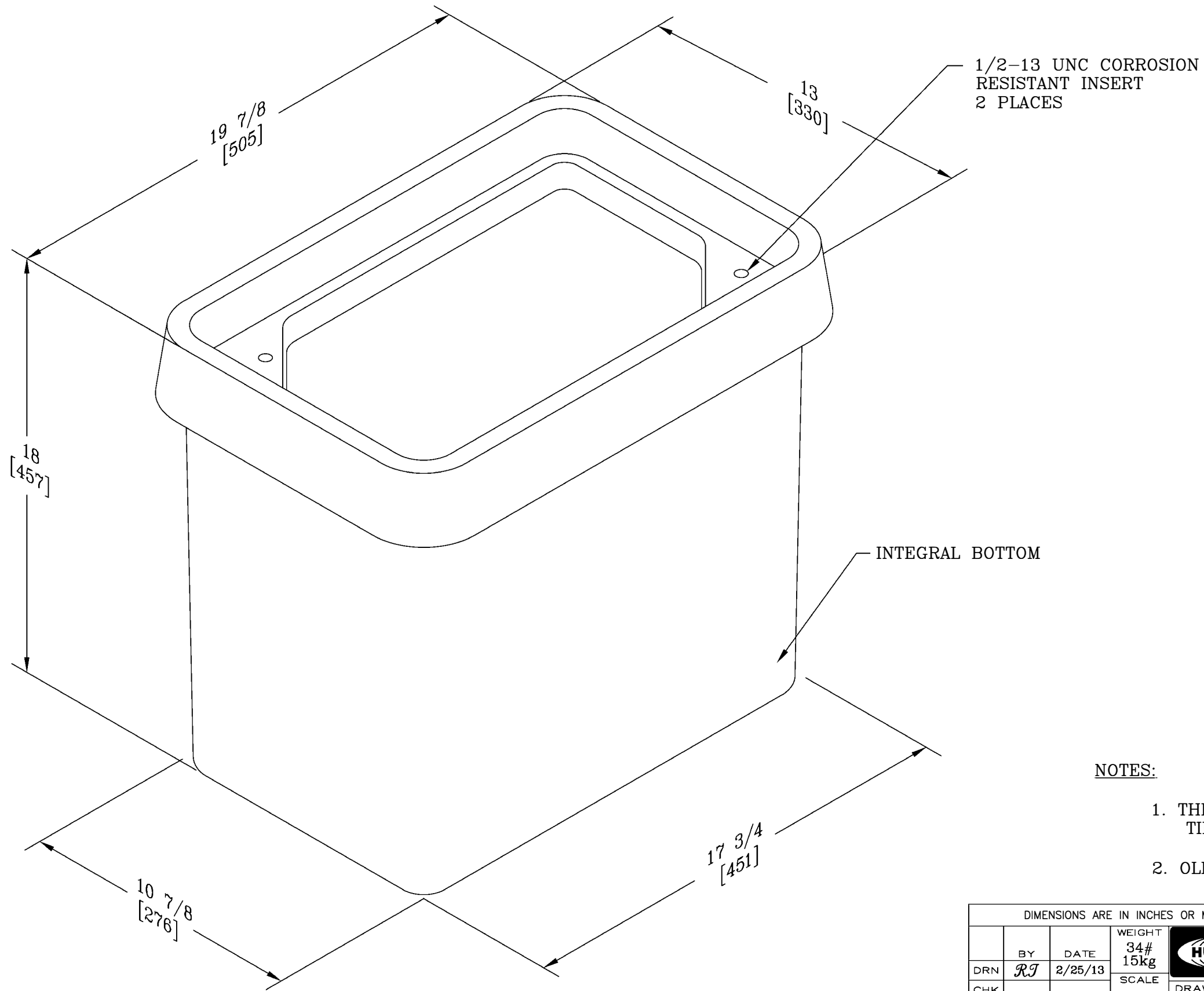
**JH American Enclosures**  
Made from over 30 years of experience

PO Box 330596  
Fort Worth, TX 76163  
jh\_american@yahoo.com

# APC 366036 Polymer Concrete Box & Cover 2 Piece Cover




<b>Part No. APC366036</b>	
<b>Body: Polymer Concrete</b>	
<b>Cover: Polymer Concrete</b>	
<b>Weight: 822 lbs</b>	<b>Tolerance: +/- 1/8"</b>
<b>Material: Polymer Concrete</b>	
<b>Standrad Color: Gray</b>	
<b>Tier 22</b>	

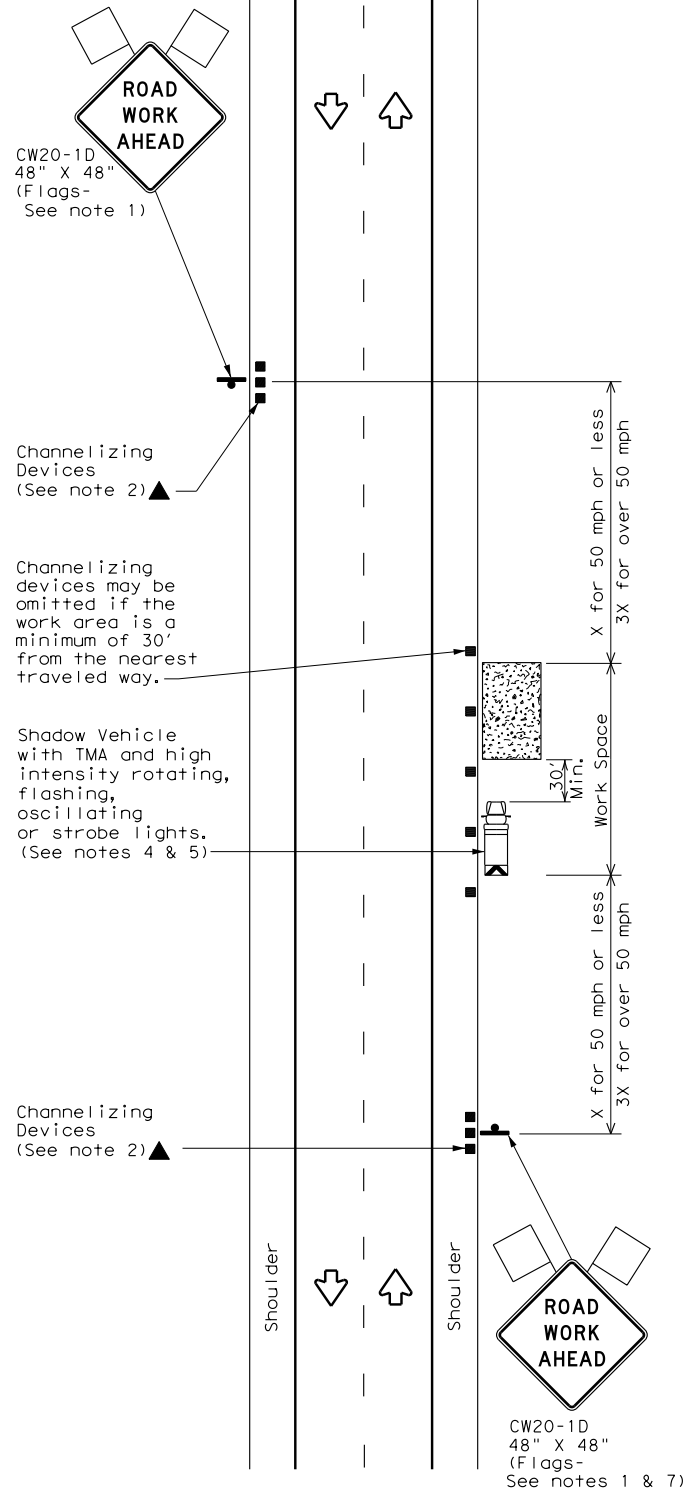


**NOTES:**

1. THIS BOX IS RATED FOR ANSI/SCTE 77 TIER 15 APPLICATIONS.
2. OLD P/N: B14-1118-18B

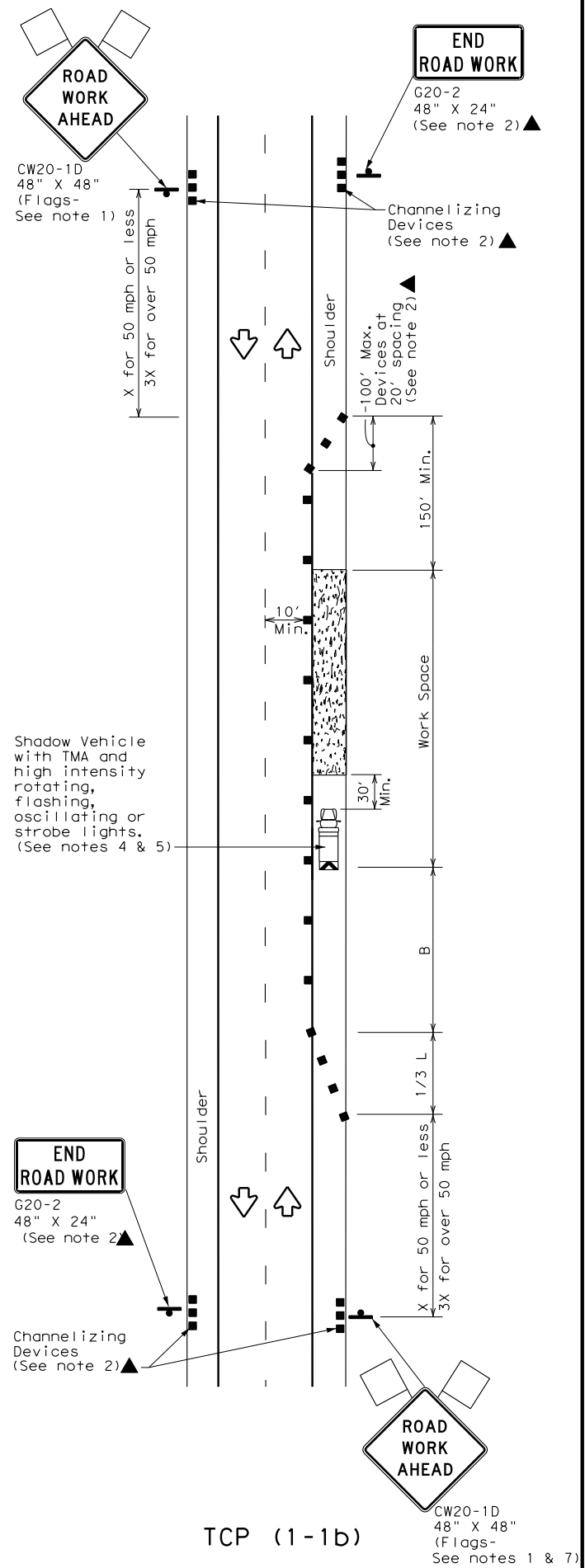
DIMENSIONS ARE IN INCHES OR MILLIMETERS IN BRACKETS UNLESS OTHERWISE NOTED.						
DRN	BY	DATE	WEIGHT	 3621 INDUSTRIAL PARK DR LENOIR CITY, TN 37771 800-346-3062 www.quazite.com	LOC	
	RJ	2/25/13	34# 15kg		OB	
CHK			SCALE	DRAWING DESCRIPTION <b>QUAZITE® 11 X 18 X 18 BOX</b> <b>W/INTEGRAL BOTTOM</b> <b>STANDARD VERSION</b>	REV	
ENG			NTS		A	
APR			SIZE			
APR			B			2/13
PROJECT NUMBER					DRAWING NUMBER	
					B14111818B	
				SHEET 1 OF 1		

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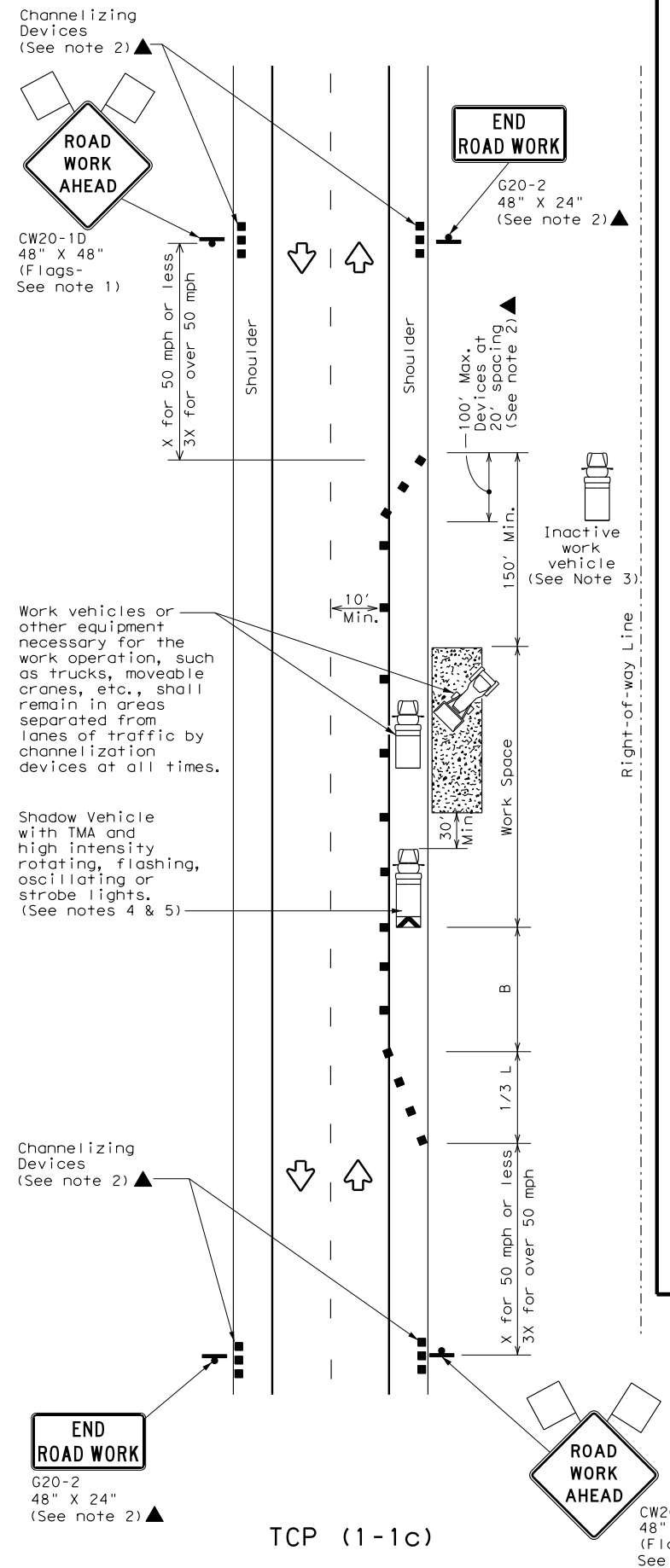
TCP (1-1a)

**WORK SPACE NEAR SHOULDER**  
Conventional Roads



TCP (1-1b)

**WORK SPACE ON SHOULDER**  
Conventional Roads



TCP (1-1c)

**WORK VEHICLES ON SHOULDER**  
Conventional Roads

**LEGEND**

	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	L = WS <sup>2</sup> / 60	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L = WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

\* Conventional Roads Only  
 \*\* Taper lengths have been rounded off.  
 L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

**TYPICAL USAGE**

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

- GENERAL NOTES**
- Flags attached to signs where shown are REQUIRED.
  - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
  - Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
  - A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
  - Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
  - See TCP(5-1) for shoulder work on divided highways, expressways and freeways.
  - CW21-5 "SHOULDER WORK" signs may be used in place of CW20-1D "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.



**TRAFFIC CONTROL PLAN**  
**CONVENTIONAL ROAD**  
**SHOULDER WORK**

**TCP (1-1) - 18**

FILE: tcp1-1-18.dgn	DN:	CK:	DW:	CK:
© TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
REVISIONS				
2-94 4-98				
8-95 2-12				
1-97 2-18				
DIST	COUNTY	SHEET NO.		

DATE:  
FILE: