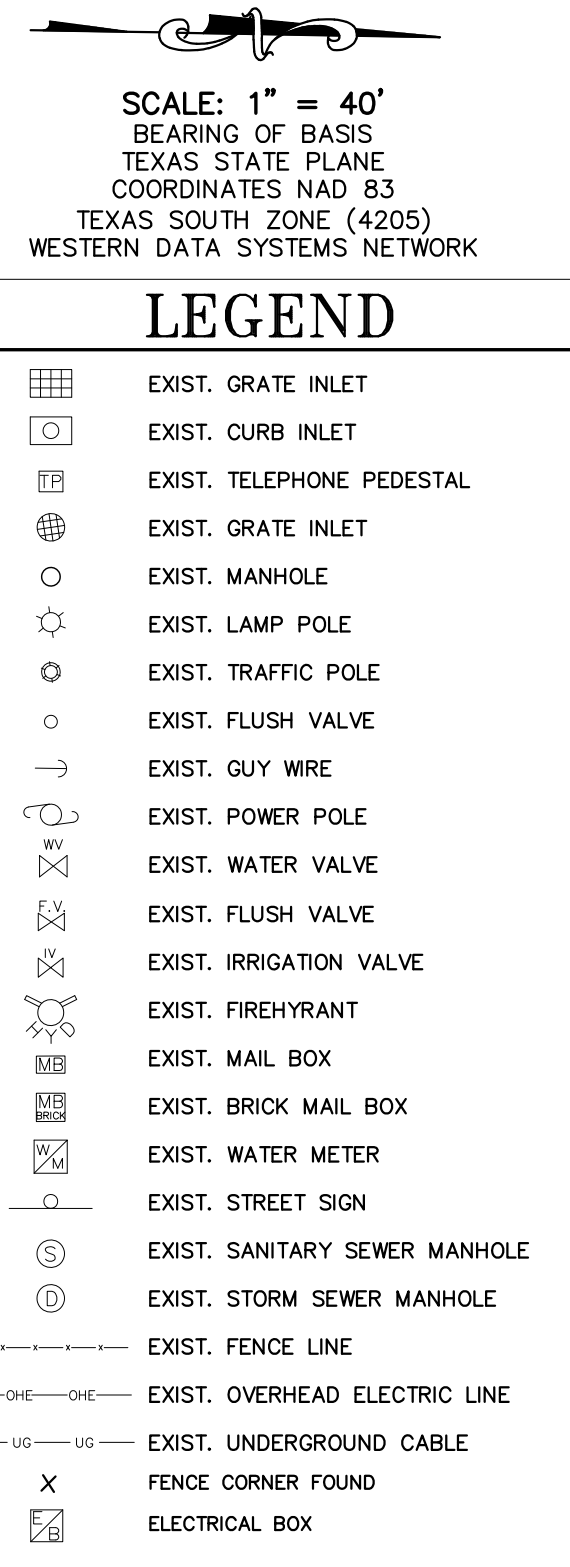
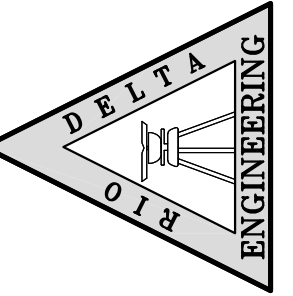


EXIST. 45.00' R.O.W.
(AS PER DOC#2797510, O.R.H.C.)



RIO DELTA ENGINEERING
FIRM REGISTRATION No. F-7628
SURVEY FIRM No. 10194027
921 S. 10TH AVENUE EDINBURG, TEXAS 78505
(TEL) 956-380-5152 (FAX) 956-380-5083



THIS DOCUMENT IS
RELEASED FOR THE
PURPOSE OF INTERIM
REVIEW UNDER THE
AUTHORITY OF
IVAN GARCIA,
P.E. 115662 ON
SEPTEMBER 7, 2023
IT IS NOT TO BE
USED FOR CONSTRUCTION,
BIDDING OR PERMIT
PURPOSES.

ISSUED FOR:
REVIEW

& DRAINAGE LAYOUT
NA JR. SUBDIVISION NO.2
WESLACO, TEXAS
HIDALGO COUNTY

8" PREPARED SUBGRADE COMPACTED TO AT LEAST 98 PERCENT OF
- THE MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D 698

A- BEDDING FOR RCP CLASS II, HIGH PERFORMANCE POLYPROPYLENE OR CORRUGATED PULTRUDED POLYESTER FIBER REINFORCED PLASTIC (FRP) BUILDING UP TO 18" TO FLOW PIPE (MIN. COMPACTED THICKNESS SHALL BE 18" WITH A GRAVEL #2 MAX. SIZE OF 1/2" TO 3/4" SHALL BE 18" TO 12" TO 6" TO 3" TO 1 1/2" TO 3/4" TO 1/2" TO 3/8" TO 1/4" TO 1/8" TO 1/16" TO 1/32" TO 1/64" TO 1/128" TO 1/256" TO 1/512" TO 1/1024" TO 1/2048" TO 1/4096" TO 1/8192" TO 1/16384" TO 1/32768" TO 1/65536" TO 1/131072" TO 1/262144" TO 1/524288" TO 1/1048576" TO 1/2097152" TO 1/4194304" TO 1/8388608" TO 1/16777216" TO 1/33554432" TO 1/67108864" TO 1/134217728" TO 1/268435456" TO 1/536870912" TO 1/1073741824" TO 1/2147483648" TO 1/4294967296" TO 1/8589934592" TO 1/17179869184" TO 1/34359738368" TO 1/68719476736" TO 1/137438953472" TO 1/274877906944" TO 1/549755813888" TO 1/1099511627776" TO 1/2199023255552" TO 1/4398046511104" TO 1/8796093022208" TO 1/17592186044416" TO 1/35184372088832" TO 1/70368744177664" TO 1/140737488355328" TO 1/281474976710656" TO 1/562949953421312" TO 1/1125899906842624" TO 1/2251799813685248" TO 1/4503599627370496" TO 1/9007199254740992" TO 1/18014398509481984" TO 1/36028797018963968" TO 1/72057594037927936" TO 1/144115188075855872" TO 1/288230376151711744" TO 1/576460752303423488" TO 1/1152921504606846976" TO 1/2305843009213693952" TO 1/4611686018427387904" TO 1/9223372036854775808" TO 1/18446744073709551616" TO 1/36893488147419103232" TO 1/73786976294838206464" TO 1/147573952589676412928" TO 1/295147905179352825856" TO 1/590295810358705651712" TO 1/1180591620717411303424" TO 1/2361183241434822606848" TO 1/4722366482869645213696" TO 1/9444732965739290427392" TO 1/18889465931478580854784" TO 1/37778931862957161709568" TO 1/75557863725914323419136" TO 1/151115727451828646838272" TO 1/302231454903657293676544" TO 1/604462909807314587353088" TO 1/1208925819614629174706176" TO 1/2417851639229258349412352" TO 1/4835703278458516698824704" TO 1/9671406556917033397649408" TO 1/19342813113834066795298816" TO 1/38685626227668133590597632" TO 1/77371252455336267181195264" TO 1/154742504910672534362390528" TO 1/309485009821345068724781056" TO 1/618970019642690137449562112" TO 1/1237940039285380274899124224" TO 1/2475880078570760549798248448" TO 1/4951760157141521099596496896" TO 1/9903520314283042199192993792" TO 1/19807040628566084398385987776" TO 1/39614081257132168796771975552" TO 1/79228162514264337593543951104" TO 1/158456325028528675187087902208" TO 1/316912650057057350374175804416" TO 1/633825300114114700748351608832" TO 1/1267650600228229401496703217664" TO 1/2535301200456458802993406435328" TO 1/5070602400912917605986812870656" TO 1/10141204801825835211973625741312" TO 1/20282409603651670423947251482624" TO 1/40564819207303340847894502965248" TO 1/81129638414606681695789005930496" TO 1/162259276829213363291578011860992" TO 1/324518553658426726583156023721984" TO 1/649037107316853453166312047443968" TO 1/1298074214633706906332640948887936" TO 1/2596148429267413812665281897775872" TO 1/5192296858534827625330563795551744" TO 1/10384593717069655250661127591103488" TO 1/20769187434139310501322255182206976" TO 1/41538374868278621002644510364413952" TO 1/83076749736557242005289020728827904" TO 1/166153499473114484010578041457557888" TO 1/332306998946228968021156082915115776" TO 1/664613997892457936042312165830231552" TO 1/1329227995784915872084624321660463104" TO 1/2658455991569831744169248643320926208" TO 1/5316911983139663488338492866641852416" TO 1/10633823966279326976776985733283704832" TO 1/21267647932558653953553971466567409664" TO 1/4253529586511730790710794293313481932928" TO 1/8507059173023461581422188586668963865856" TO 1/17014118346046923162844377173337927731712" TO 1/34028236692093846325688754346675855463424" TO 1/68056473384187692651377508693351711086848" TO 1/1361129467683753853027550173867034221316928" TO 1/2722258935367507706055100347734068442633856" TO 1/544451787073501541211020069546813688667712" TO 1/108890357414700308242204013909362737733344" TO 1/217780714829400616484408027818725475466688" TO 1/435561429658801232968816055637450950933376" TO 1/871122859317602465937632111274901901866752" TO 1/174224571863520493187526422254980380373344" TO 1/348449143727040986375052844509960760746688" TO 1/696898287454081972750105689019921521493376" TO 1/1393796574908163945500211380039843042986752" TO 1/278759314981632789100042276007968608597344" TO 1/557518629963265578200084552015937217194688" TO 1/1115037259926531156400169104031874434389376" TO 1/22300745198530623128003382080637488687776" TO 1/4460149

NOTES: 1. MAXIMUM COVER SHALL BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. FOR D-1 AND D-2 THE COMPACTION REQUIREMENT SHALL BE 98% S.P.D. WITHIN 12 IN. BELOW THE FLEXIBLE BASE.
3. FOR PAVED SECTIONS THE ABOVE REQUIREMENTS SHALL APPLY WHEN ANY PART OF THE TRENCH WIDTH IS WITHIN 5 FT. FROM THE E.O.P./B.O.C.
4. THE ABOVE REQUIREMENTS SHALL APPLY TO UTILITY PIPELINES AND UTILITY STRUCTURES OF OTHER UTILITY ENTITIES.

WALLS INCREASED BELOW

WALLS TO BE 8" THICK TO 13" DEPTH.
INCREASE TO 12" THICKNESS IN SECTION
BELOW 13" DEPTH 8" BRICK LAID RADIALLY

MANHOLE TO BE APPROVED BRICK,
FIBERGLAS, PRE-CAST OR CAST, IN
PLACE AS APPROVED

— 300 lb. MANHOLE COVER & FRAME
MARKED "STORM SEWER" SHALL BE
TRINITY VALLEY PATTERN No. 4067
OR APPROVED EQUAL.

GENERAL NOTES:

1. ALL EXIST. UTILITIES ARE AT APPROXIMATE LOCATIONS.
2. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE BASED ON OBSERVATION OF ABOVEGROUND STRUCTURES, LINES SPOTTED BY THE OWNER AND UTILITY SPOTTING. ACTUAL LOCATION OF THESE UTILITIES MAY VARY, AND ADDITIONAL BURIED UTILITIES MAY BE ENCOUNTERED UPON EXCAVATION.
3. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CALL ALL UTILITY SPOTTING BUREAU AND APPROPRIATE AGENCIES AND VERIFY THE LOCATION OF THESE UTILITIES TO HIS SATISFACTION.
4. ANY DAMAGE CAUSED TO EXISTING STRUCTURES AND/OR UTILITIES BY THE CONTRACTOR SHALL BE THE CONTRACTORS RESPONSIBILITY TO CORRECT AT HIS EXPENSE.
5. ANY DAMAGE TO PROPERTY, OUTSIDE THE CONSTRUCTION ZONE, CAUSED BY THE CONTRACTOR, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CORRECT AT HIS EXPENSE.

NAME: N GARCIA P.E. R.P.L.S.
 VEYOR: N GARCIA P.E. R.P.L.S.
 CHECKED: N GARCIA P.E. R.P.L.S.
 SIGN: ANIEL RODRIGUEZ E.I.T.
 DATE: 1"=40'
 DATE: SEPTEMBER 1, 2023
 SUBJECT: SUB 22 029
 REVISIONS:
 SHEET NO. SHT 5