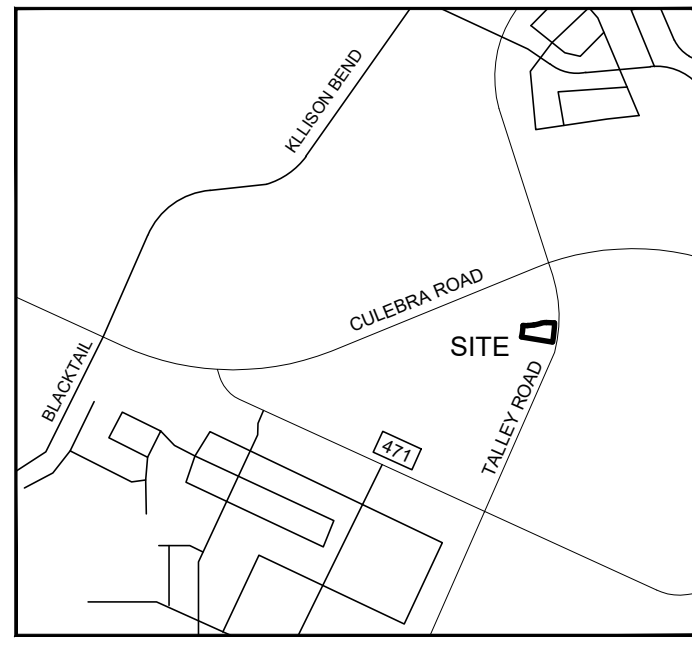
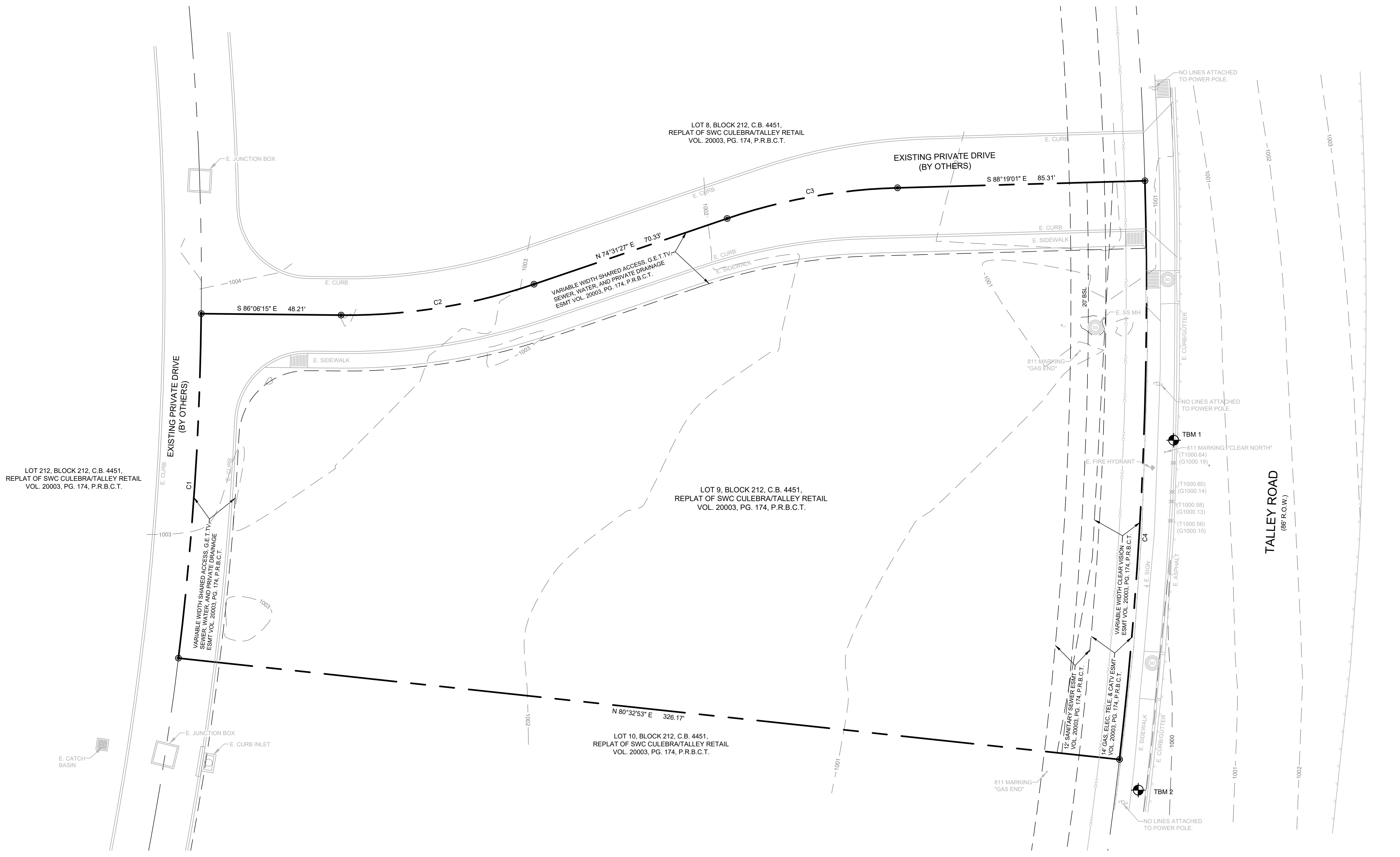


CURVE TABLE					
CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	118.98'	1064.82'	6°24'08"	N 07°05'43" E	118.92'
C2	67.61'	199.97'	19°22'20"	N 84°12'36" E	67.29'
C3	59.88'	199.97'	17°09'30"	N 83°06'13" E	59.86'
C4	199.72'	1389.16'	8°14'14"	S 05°49'42" W	199.54'



**LOCATION MAP**  
NOT TO SCALE

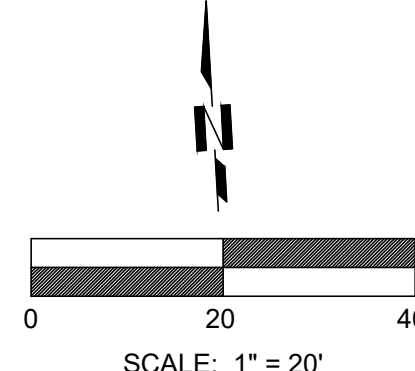
**COORDINATES AND BASIS OF BEARINGS NOTE:**  
COORDINATES AND BASIS OF BEARINGS ARE IN STATE PLANE COORDINATE SYSTEM, NAD 1983, TEXAS SOUTH ZONE (4205), VERTICAL DATUM IS NAVD 1988. THE DISTANCES AND ACRESAGES SHOWN ARE GRID AND CAN BE CONVERTED TO SURFACE VALUES BY USING A COMBINED ADJUSTMENT FACTOR OF 1.00017.



- TBM 1: "MAG" WITH WASHER**  
 CURB OFF OF TALLEY ROAD APPROX. MIDDLE OF SITE  
 X: 2040248.96  
 Y: 13735609.21  
 ELEV.: 1000.73
- TBM 2: "MAG" WITH WASHER**  
 CURB OFF OF TALLEY ROAD SOUTHWEST CORNER OF SITE  
 X: 2040229.84  
 Y: 13735489.48  
 ELEV.: 1000.21

**LEGEND**

	EXISTING C.A.T.V. LINE
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING GAS LINE
	EXISTING STORM DRAIN LINE
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING CONTOUR
	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	EXISTING MANHOLE
	EXISTING POWER POLE
	EXISTING CLEAN OUT
	EXISTING ELEVATION
	EXISTING FLOW LINE

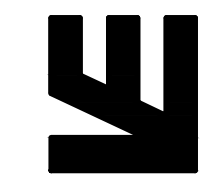


**EXISTING CONDITIONS PLAN**  
SCALE: 1" = 20'

REVISIONS:

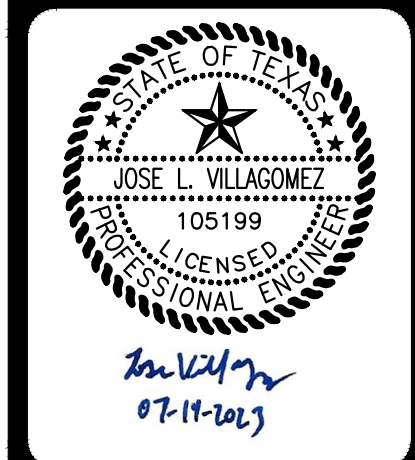
24165 IH-10W, SUITE 217-708  
SAN ANTONIO, TEXAS 78257  
PHONE: 210-724-0816  
FAX: 210-855-0222

**VILLAGOMEZ ENGINEERING COMPANY**



TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 13689

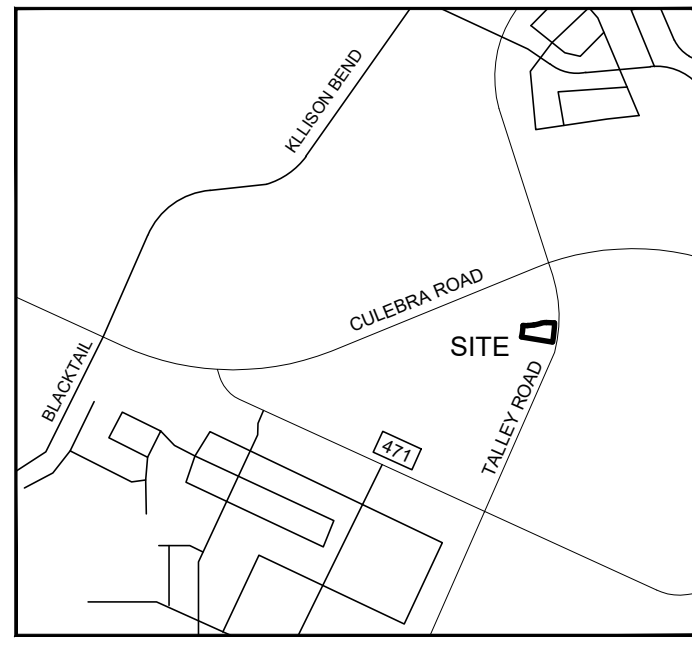
**GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
EXISTING CONDITIONS PLAN**



JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET **C1**



CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	118.98'	1064.82'	6°24'08"	N 07°05'43" E	118.92'
C2	67.61'	199.97'	19°22'20"	N 84°12'36" E	67.29'
C3	59.88'	199.97'	17°09'30"	N 83°06'13" E	59.86'
C4	199.72'	1389.16'	8°14'14"	S 05°49'42" W	199.54'



LOCATION MAP  
NOT TO SCALE

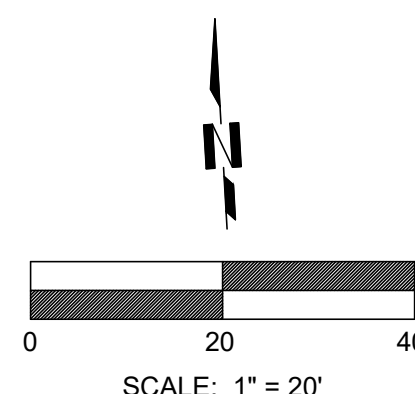
**COORDINATES AND BASIS OF BEARINGS NOTE:**  
COORDINATES AND BASIS OF BEARINGS ARE IN STATE PLANE COORDINATE SYSTEM, NAD 1983, TEXAS SOUTH ZONE (4205). VERTICAL DATUM IS NAVD 1988. THE DISTANCES AND ACRESAGES SHOWN ARE GRID AND CAN BE CONVERTED TO SURFACE VALUES BY USING A COMBINED ADJUSTMENT FACTOR OF 1.00017.

**RIGHT OF WAY NOTE:**  
ALL SIDEWALKS, CURBS, RAMPS, AND DRIVE APPROACHES IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH CURRENT TEXAS ACCESSIBILITY STANDARDS AND CITY OF SAN ANTONIO DESIGN STANDARDS PRIOR TO FINAL INSPECTION APPROVAL.

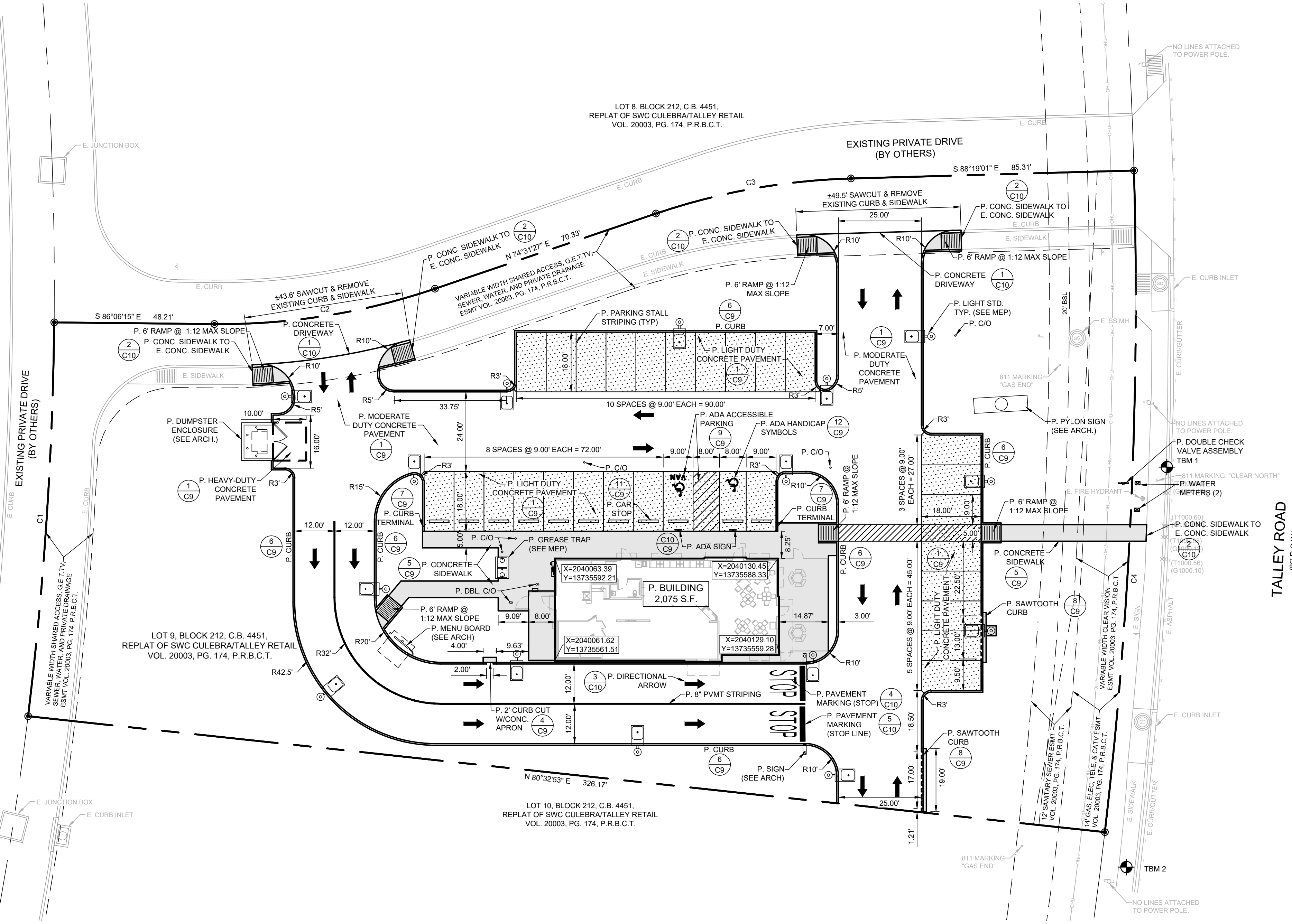
- GENERAL NOTES:**
- ALL PHASES OF WORK UNDER THIS CONTRACT SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE ITEMS OF THE STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION SPECIFICATIONS AND LOCAL STANDARD SPECIFICATIONS FOR CONSTRUCTION. FINAL DECISIONS OR JUDGEMENTS ON MATTERS NOT SPECIFICALLY COVERED BY THE ABOVE DOCUMENTS SHALL BE MADE BY THE ENGINEER.
  - CONTRACTOR SHALL COMPLY WITH ALL LOCAL BUILDING CODES AND REGULATIONS, AS WELL AS OTHER SAFETY CODES AND INSPECTION PROVISIONS APPLICABLE TO THIS PROJECT.
  - CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED FOR CONSTRUCTION AND SHALL NOTIFY ALL RESPECTIVE GOVERNMENTAL OR UTILITY AGENCIES AFFECTED BY CONSTRUCTION.
  - CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT. EXCEPTIONS FROM LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
  - DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, NATURAL GAS PURVEYOR MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
  - BIDDERS ARE HEREBY NOTIFIED TO MAKE A THOROUGH REVIEW OF THE JOB SITE AND SOIL BORING INFORMATION PROVIDED BY OWNER. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ROCK, SAND, GRAVEL, OR OTHER UNSTABLE CONDITIONS ENCOUNTERED IN ANY WORK IMPLIED BY THESE DRAWINGS.
  - CONTRACTOR SHALL NOTIFY LINE LOCATOR FOR EACH RESPECTIVE UTILITY IN THE PROJECT AREA 48 HOURS PRIOR TO STARTING EXCAVATION.
  - CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
  - FOR LOCATION OF UNDERGROUND ELECTRIC, GAS, TELEPHONE AND WATER FACILITIES, CALL THE LOCAL UTILITY LOCATOR 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
  - ALL WASTE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE SITE TO PROPERTY WHERE THE CONTRACTOR HAS THE CONSENT OF THE OWNERS. NO WASTE MATERIALS SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER THE FLOW LIMITS OF EXISTING NATURAL DRAINAGE.
  - CONTRACTOR IS REQUIRED TO VERIFY PROJECT ELEVATIONS. STARTING ANY WORK CONSTITUTES THE APPROVAL OF THE EXISTING CONDITIONS SHOWN.
  - EXISTING ABOVE GROUND UTILITIES HAVE BEEN PLOTTED BY DIRECT FIELD INVESTIGATION ON SURVEY PERFORMED BY OTHERS. UNDERGROUND UTILITIES HAVE BEEN COMPILED FROM VARIOUS SOURCES AND REQUIRE VERIFICATION BY THE CONTRACTOR TO ESTABLISH THEIR EXACT LOCATION AND DEPTH PRIOR TO SETTING ANY FINISH CONCRETE GRADE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING ABOVE GROUND OR UNDERGROUND UTILITIES, INCLUDING THOSE NOT SHOWN ON DRAWINGS. DEAD UTILITY LINES SHALL BE SUITABLY CAPPED.
  - ANY EXISTING SITE IMPROVEMENT OR UTILITY REMOVED, DAMAGED OR UNDERCUT BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE OWNER AND APPROVED BY THE RESPECTIVE UTILITY AT THE CONTRACTOR'S EXPENSE.
  - WHEN SEWER LINES ARE INSTALLED IN THE VICINITY OF WATER MAINS, SUCH INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE DEPARTMENT OF HEALTH "RULES AND REGULATIONS FOR PUBLIC WATER SYSTEM" (LATEST REVISION)
  - (A) HEAD-IN PARKING PLACES SHALL BE 9' X 18' WITH 4" WIDE WHITE LINE (B) PARALLEL PARKING PLACES SHALL BE 10' X 22' STRIPED WITH WHITE PAINT, UNLESS OTHERWISE SPECIFIED.
  - ALL DIMENSIONS ARE TO BE MEASURED FROM FACE OF CURB. (UNLESS OTHERWISE SPECIFIED)
  - BARRICADES AND WARNING SIGNS SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND GENERALLY BE LOCATED TO AFFORD MAXIMUM PROTECTION TO THE PUBLIC AS WELL AS CONSTRUCTION PERSONNEL AND EQUIPMENT AND TO ASSURE AN EXPEDITIOUS TRAFFIC FLOW AT ALL TIMES DURING CONSTRUCTION. THE SIGNS SHALL BE COORDINATED WITH SEQUENCE OF CONSTRUCTION AND DETOUR PLAN. DURING THE PROGRESS OF THE WORK THE CONTRACTOR SHALL PROVIDE ACCESS FOR LOCAL TRAFFIC.
  - CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF BUILDING DIMENSIONS AND INGRESS/EGRESS LOCATIONS.
  - CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REPLACEMENT, IF NECESSARY, OF ALL DISTURBED PROPERTY CORNERS.
  - CONTRACTOR SHALL COORDINATE CONSTRUCTION MATERIALS TESTING WITH THE SELECTED TESTING COMPANY. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE ALL TESTS ARE COMPLETED AS SPECIFIED IN THE AGREEMENT BETWEEN THE OWNER AND TESTING COMPANY.

**LEGEND**

— CATV —	EXISTING C.A.T.V. LINE
— CHU —	EXISTING OVERHEAD ELECTRIC
— UGE —	EXISTING UNDERGROUND ELECTRIC
— G —	EXISTING GAS LINE
— SD —	EXISTING STORM DRAIN LINE
— SS —	EXISTING SANITARY SEWER LINE
— W —	EXISTING WATER LINE
— 600 —	EXISTING CONTOUR
— 603 —	PROPOSED CONTOUR
— W —	EXISTING WATER METER
— V —	EXISTING WATER VALVE
— F —	EXISTING FIRE HYDRANT
— SS —	EXISTING MANHOLE
— C —	EXISTING POWER POLE
— C/O —	EXISTING CLEAN OUT
— (600.00) —	EXISTING ELEVATION
— 23.22 —	PROPOSED ELEVATION
— T 36.75 —	TOP OF CURB ELEVATION
— G 36.25 —	GUTTER ELEVATION
— E —	EXISTING
— P —	PROPOSED
— F —	FLOW LINE
— [Pattern] —	PROPOSED CONCRETE FLATWORK
— [Pattern] —	PROPOSED LIGHT-DUTY PAVEMENT



DIMENSIONAL CONTROL PLAN



LOT 212, BLOCK 212, C.B. 4451, REPLAT OF SWC CULEBRA/TALLEY RETAIL VOL. 20003, PG. 174, P.R.B.C.T.

LOT 9, BLOCK 212, C.B. 4451, REPLAT OF SWC CULEBRA/TALLEY RETAIL VOL. 20003, PG. 174, P.R.B.C.T.

LOT 10, BLOCK 212, C.B. 4451, REPLAT OF SWC CULEBRA/TALLEY RETAIL VOL. 20003, PG. 174, P.R.B.C.T.

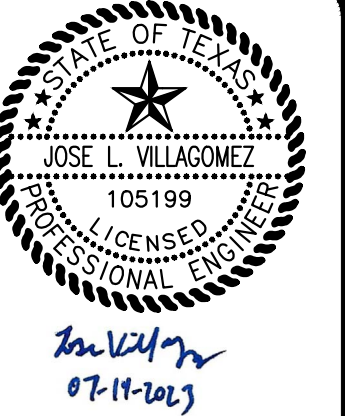
LOT 8, BLOCK 212, C.B. 4451, REPLAT OF SWC CULEBRA/TALLEY RETAIL VOL. 20003, PG. 174, P.R.B.C.T.

REVISIONS:

24165 IH-10W, SUITE 217-708  
SAN ANTONIO TEXAS 78257  
PHONE: 210-724-0816  
FAX: 210-485-0522

VILLAGOMEZ  
ENGINEERING  
COMPANY

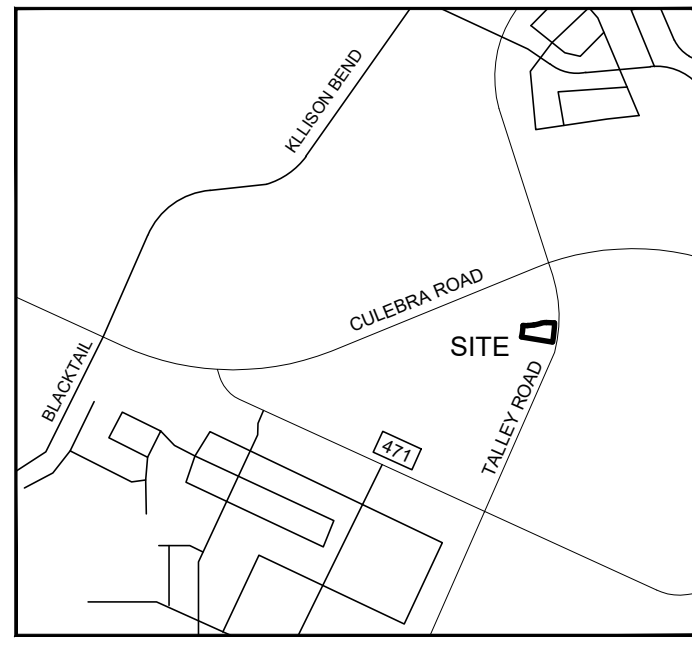
GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
DIMENSIONAL CONTROL PLAN



JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET C2



CURVE TABLE					
CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	118.98'	1064.82'	6°24'08"	N 07°05'43" E	118.92'
C2	67.61'	199.97'	19°22'20"	N 84°12'36" E	67.29'
C3	59.88'	199.97'	17°09'20"	N 83°06'13" E	59.86'
C4	199.72'	1389.16'	8°14'14"	S 05°49'42" W	199.54'



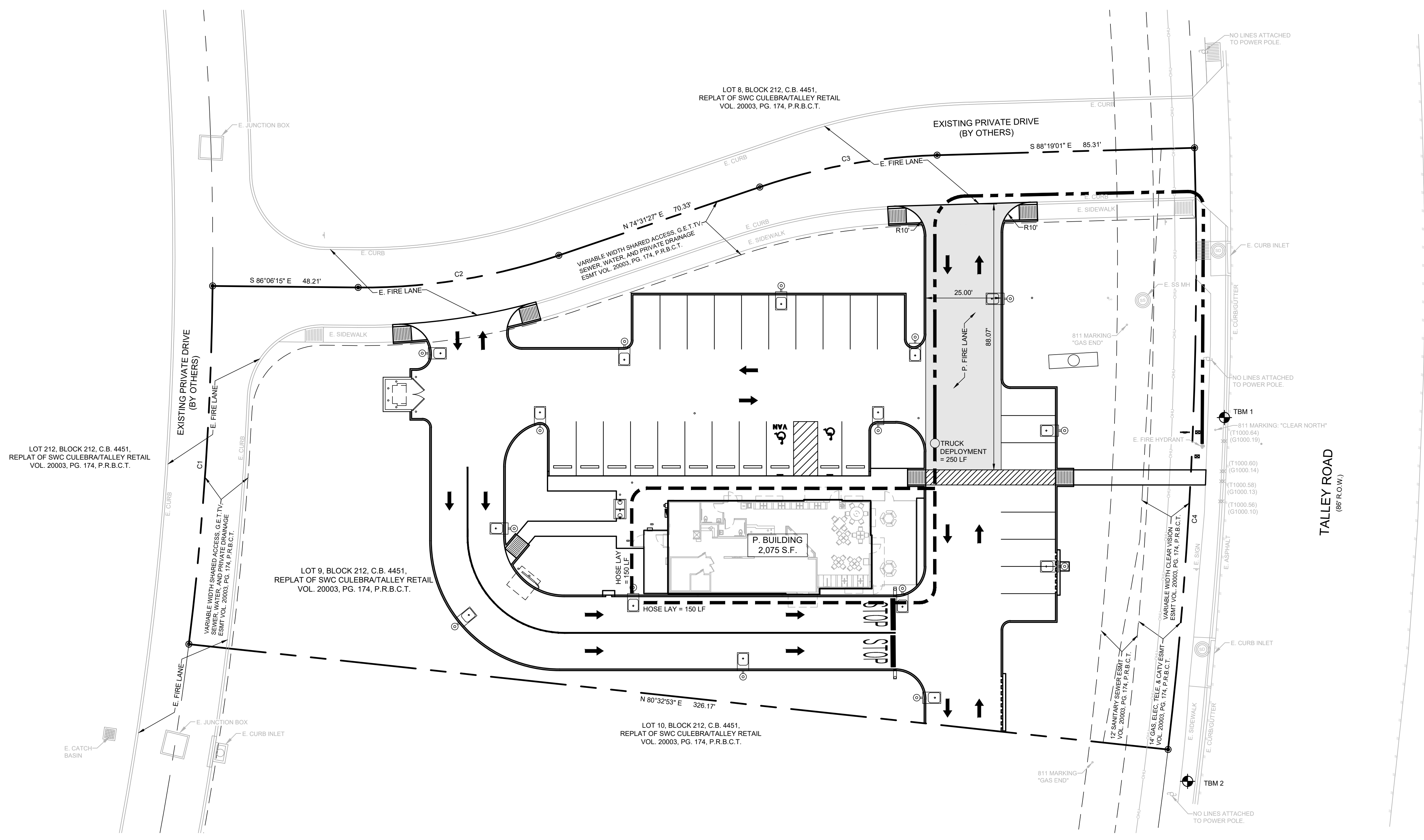
LOCATION MAP  
NOT TO SCALE

REVISIONS:

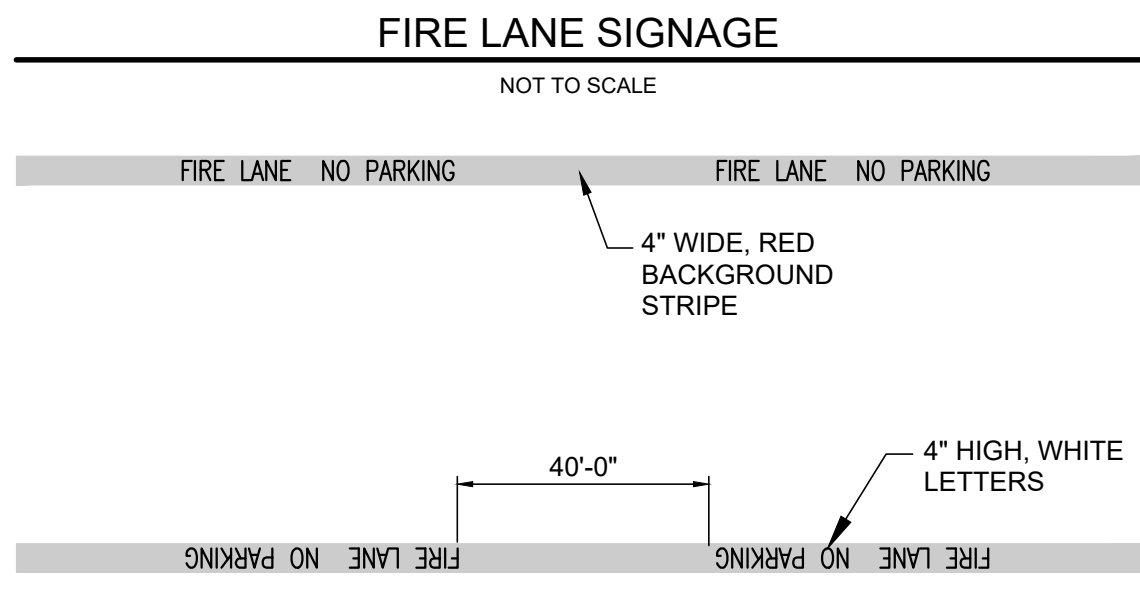
24165 IH-10W, SUITE 217-708  
SAN ANTONIO TEXAS 78257  
PHONE: 210-724-0816  
FAX: 210-855-0222

VILLAGOMEZ  
ENGINEERING  
COMPANY

TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 13689



NOTE: SIGNS SHALL BE PLACED AS REQUIRED BY THE FIRE MARSHAL.  
REFERENCE BEXAR COUNTY SIGNAGE CODE, SECTIONS 503.3 AND 503.3.1.

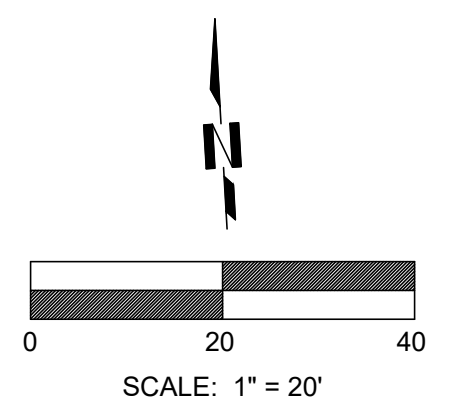


- NOTES:
1. FOR ALL DESIGNATED FIRE LANES, "FIRE LANE - NO PARKING AT ANY TIME" SIGNS ARE TO BE POSTED AT THE EXPENSE OF THE OWNER. SUCH SIGN SHALL BE STANDARD SIZE AND COLOR OF STANDARD LETTERING AND MOUNTING, CONFORMING TO SPECIFICATIONS ESTABLISHED BY THE DIRECTOR OF PUBLIC WORKS. SIGNS SHOULD HAVE RED LETTERS AND BORDER ON A WHITE BACKGROUND. FOR A DESIGNATED FIRE LANE LESS THAN FORTY (40) FEET, ONE (1) SIGN WITH A DOUBLE ARROW SHALL BE INSTALLED. FOR A DESIGNATED FIRE LANE FROM FORTY (40) FEET TO NINETY (90) FEET, TWO (2) SIGNS WITH RIGHT AND LEFT ARROWS SHALL BE INSTALLED. FOR A DESIGNATED FIRE LANE OF ONE HUNDRED (100) FEET OR MORE, THREE (3) SIGNS WITH RIGHT/LEFT AND DOUBLE ARROWS SHALL BE INSTALLED.
  2. IN ADDITION TO THE SIGNS, ALL REQUIRED FIRE LANES SHALL BE PROVIDED AND MAINTAINED WITH FIRE LANE STRIPING THAT CONSIST OF A FOUR INCH (4") WIDE RED BACK- GROUND STRIPE WITH FOUR INCH (4") HIGH WHITE LETTERS STATING "FIRE LANE NO PARKING" TO BE PAINTED UPON THE RED STRIPE EVERY FORTY FEET (40') ALONG THE ENTIRE LENGTH OF THE FIRE LANE SHOWING THE EXACT BOUNDARY OF THE FIRE LANE. FIRE LANE MARKINGS SHALL BE UPON THE VERTICAL SURFACE OF THE CURB, UNLESS OTHERWISE APPROVED BY THE CHIEF OR AUTHORIZED REPRESENTATIVE.
  3. ALL SIGNS AND DESIGNATED FIRE LANES SHALL BE MAINTAINED AND KEPT IN A STATE OF GOOD REPAIR AT ALL TIMES BY THE OWNER OR PERSON IN CONTROL OF THE PREMISES.



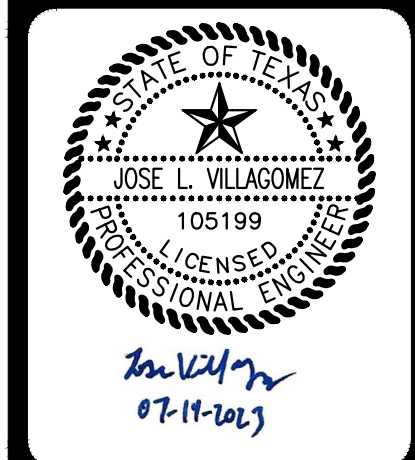
LEGEND

	TRUCK DEPLOYMENT
	HOSE LAY
	EXISTING C.A.T.V. LINE
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING GAS LINE
	EXISTING STORM DRAIN LINE
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	EXISTING MANHOLE
	EXISTING POWER POLE
	EXISTING CLEAN OUT
	EXISTING
	PROPOSED
	FLOW LINE



FIRE PROTECTION PLAN

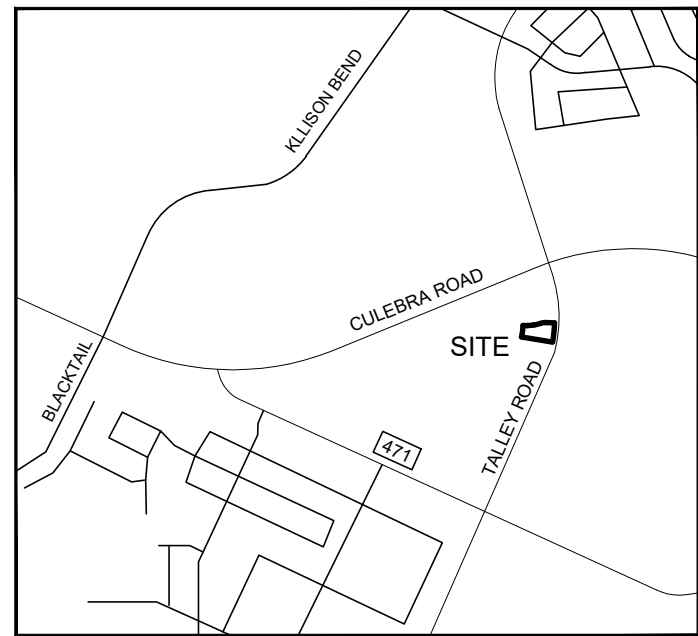
GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
FIRE PROTECTION PLAN



JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET C3

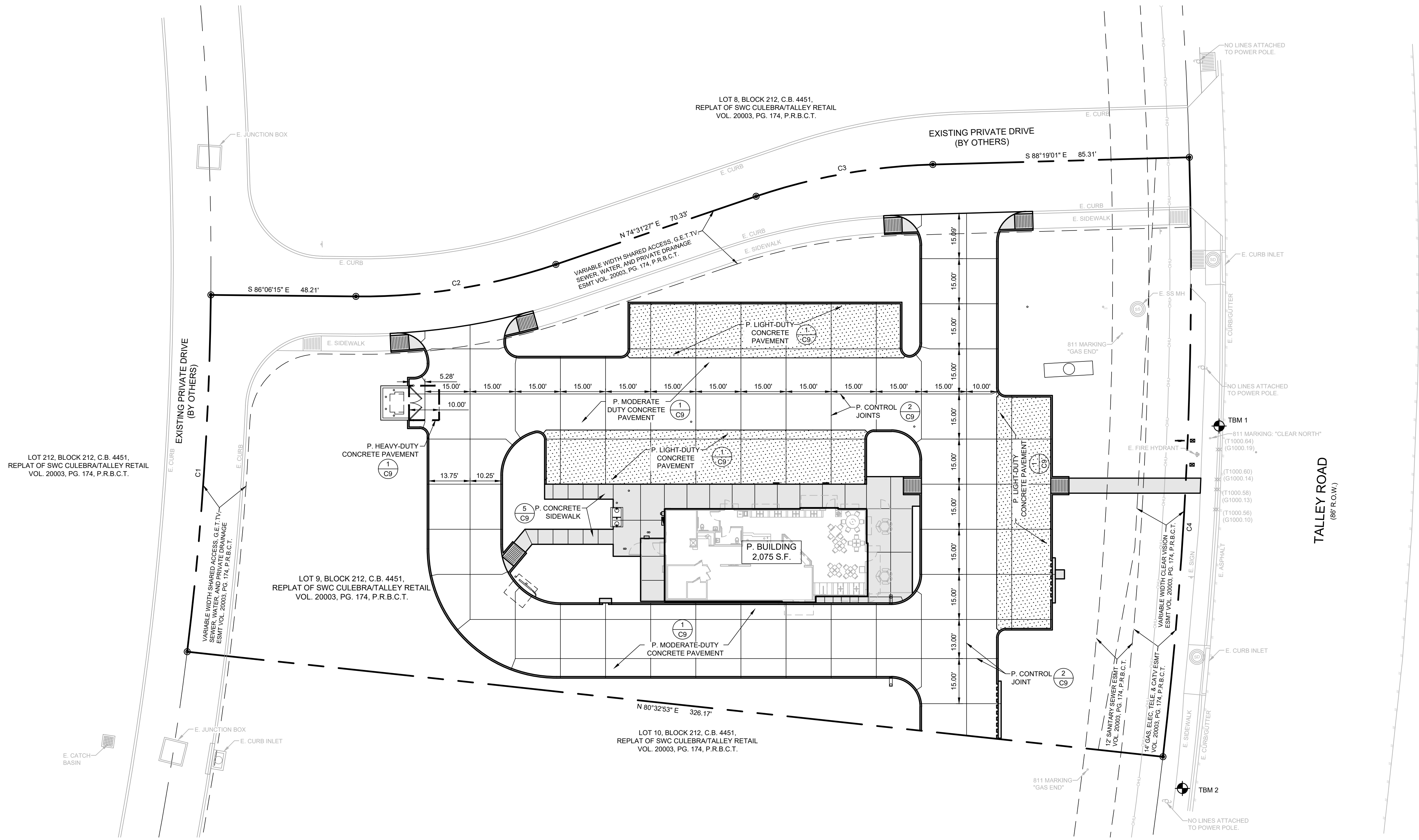


CURVE TABLE					
CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	118.98'	1064.82'	6°24'08"	N 07°05'43" E	118.92'
C2	67.61'	199.97'	19°22'20"	N 84°12'36" E	67.29'
C3	59.88'	199.97'	17°09'30"	N 83°06'13" E	59.86'
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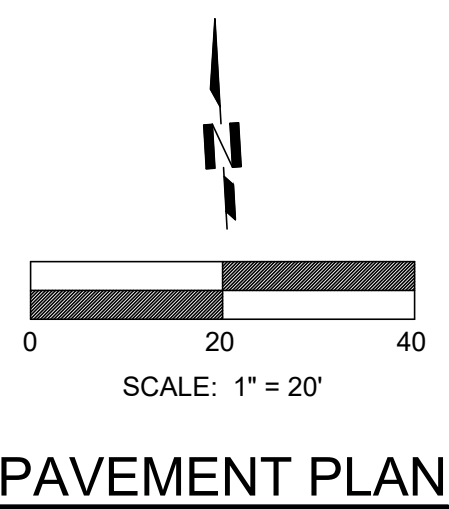
LOCATION MAP  
NOT TO SCALE

**COORDINATES AND BASIS OF BEARINGS NOTE:**  
COORDINATES AND BASIS OF BEARINGS ARE IN STATE PLANE COORDINATE SYSTEM, NAD 1983, TEXAS SOUTH ZONE (4205), VERTICAL DATUM IS NAVD 1988. THE DISTANCES AND ACRESSES SHOWN ARE GRID AND CAN BE CONVERTED TO SURFACE VALUES BY USING A COMBINED ADJUSTMENT FACTOR OF 1.00017.



**LEGEND**

— CATV —	EXISTING C.A.T.V. LINE
— OHU —	EXISTING OVERHEAD ELECTRIC
— UGE —	EXISTING UNDERGROUND ELECTRIC
— G —	EXISTING GAS LINE
— SD —	EXISTING STORM DRAIN LINE
— SS —	EXISTING SANITARY SEWER LINE
— W —	EXISTING WATER LINE
— 600 —	EXISTING CONTOUR
— 603 —	PROPOSED CONTOUR
— WM —	EXISTING WATER METER
— WV —	EXISTING WATER VALVE
— FH —	EXISTING FIRE HYDRANT
— MH —	EXISTING MANHOLE
— CP —	EXISTING POWER POLE
— CO —	EXISTING CLEAN OUT
— (600.00) —	EXISTING ELEVATION
— 23.22 —	PROPOSED ELEVATION
— T 36.75 —	TOP OF CURB ELEVATION
— G 36.25 —	GUTTER ELEVATION
— E —	EXISTING
— P —	PROPOSED
— F —	FLOW LINE
— [Pattern] —	PROPOSED CONCRETE FLATWORK
— [Pattern] —	PROPOSED LIGHT-DUTY PAVEMENT



REVISIONS:

24165 IH-10W, SUITE 217-708  
SAN ANTONIO, TEXAS 78257  
PHONE: 210-724-0816  
FAX: 210-855-0222

VILLAGOMEZ  
ENGINEERING  
COMPANY

TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 13689

GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
PAVEMENT PLAN

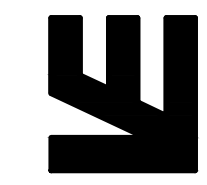
JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET C4



REVISIONS:

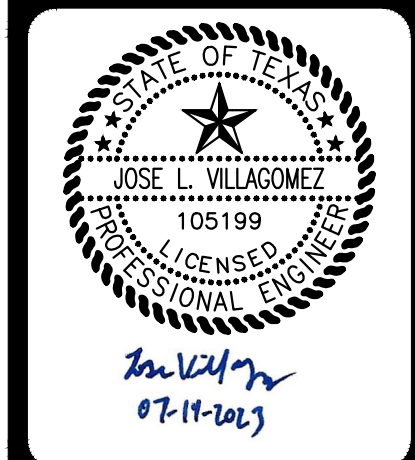
24165 IH-10W, SUITE 217-708  
 SAN ANTONIO TEXAS 78257  
 PHONE: 210-724-0816  
 FAX: 210-485-4322

VILLAGOMEZ  
 ENGINEERING  
 COMPANY

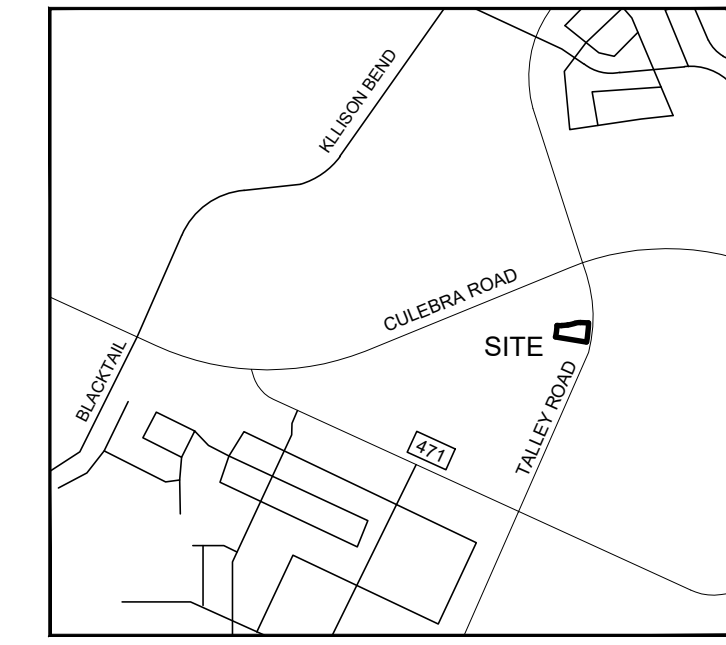


TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM REGISTRATION # 13689

GOLDEN CHICK RESTAURANT  
 TALLEY ROAD  
 SAN ANTONIO, TEXAS  
 GRADING PLAN



JOB NO. 23-029  
 DATE 07/10/23  
 DESIGNER TR  
 DRAWN JS  
 SHEET C5



LOCATION MAP  
 NOT TO SCALE

CURVE TABLE					
CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	118.98'	1064.82'	6°24'08"	N 07°05'43" E	118.92'
C2	67.61'	199.97'	19°22'20"	N 84°12'36" E	67.29'
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**COORDINATES AND BASIS OF BEARINGS NOTES:**

COORDINATES AND BASIS OF BEARINGS ARE IN STATE PLANE COORDINATE SYSTEM, NAD 1983, TEXAS SOUTH ZONE (4205), VERTICAL DATUM IS NAVD 1988. THE DISTANCES AND ACREEGES SHOWN ARE GRID AND CAN BE CONVERTED TO SURFACE VALUES BY USING A COMBINED ADJUSTMENT FACTOR OF 1.00017. PROPOSED SPOT ELEVATIONS ARE BASED ON A 1000 FOOT DATUM.

**GRADING NOTES:**

1. MAXIMUM GRADE AT SIDEWALK RAMPS IS 8.33% WITH A CROSS SLOPE OF 2.0% OR LESS AND SHALL COMPLY WITH ADA.
2. ACCESSIBLE PATH SHALL HAVE A RUNNING SLOPE OF NO GREATER THAN 5.0% WITH A CROSS SLOPE OF 2.0% OR LESS.
3. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT WHERE NOT SPECIFICALLY COVERED IN THE CONSTRUCTION DOCUMENTS SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS, INCLUDING, BUT NOT LIMITED TO THE CITY OF SAN ANTONIO AND BEXAR COUNTY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL CONDITION ANY DAMAGE DONE TO EXISTING IMPROVEMENTS OR UTILITIES.
5. EARTHWORK FOR THE BUILDING FOUNDATION, CONCRETE SLABS AND CONCRETE AND ASPHALT PAVEMENT SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
6. ADJUST PAVEMENT, CURB ELEVATIONS AND/OR SIDEWALK ELEVATIONS AS NECESSARY TO ENSURE A CONTINUOUS GRADE WITH EXISTING ELEVATIONS.
7. EXISTING AND PROPOSED GRADE CONTROL INTERVALS SHOWN AT ONE FOOT (1').
8. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATIONS SHALL RECEIVE FOUR (4) INCHES OF TOPSOIL.

**UTILITY LOCATE NOTES:**

THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

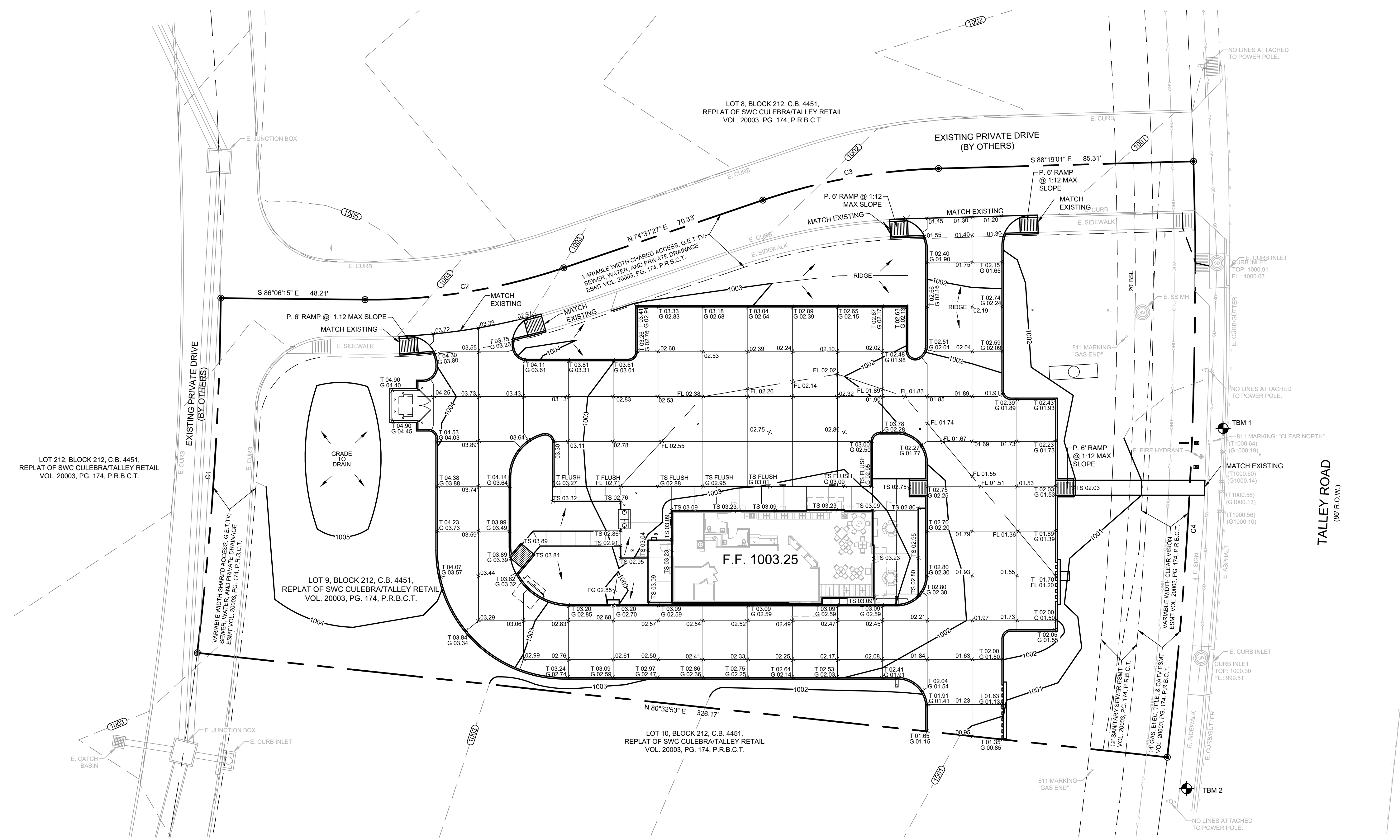
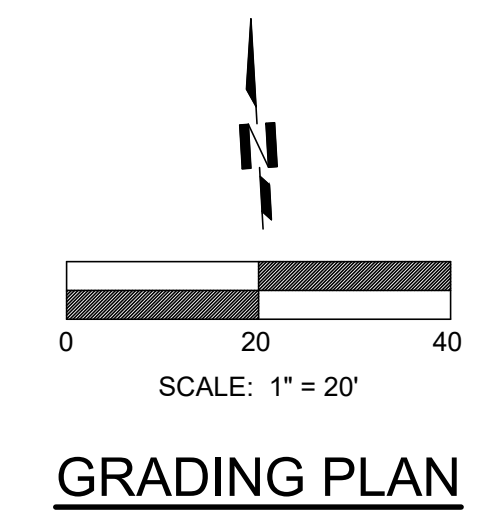
DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181 GAS COMPANIES MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA. THE CONTRACTOR SHALL NOTIFY THE GAS COMPANY LOCATOR AT 1-800-545-6005, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH AS A MINIMUM O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS SPECIFICALLY. CONTRACTOR AND OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

- TBM 1: "MAG" WITH WASHER  
 CURB OFF OF TALLEY ROAD APPROX. MIDDLE OF SITE  
 X: 2040248.96  
 Y: 13735609.21  
 ELEV.: 1000.73
- TBM 2: "MAG" WITH WASHER  
 CURB OFF OF TALLEY ROAD SOUTHWEST CORNER OF SITE  
 X: 2040229.84  
 Y: 13735489.48  
 ELEV.: 1000.21

**LEGEND**

---	CATV	EXISTING C.A.T.V. LINE
---	OHU	EXISTING OVERHEAD ELECTRIC
---	UGE	EXISTING UNDERGROUND ELECTRIC
---	G	EXISTING GAS LINE
---	SD	EXISTING STORM DRAIN LINE
---	SS	EXISTING SANITARY SEWER LINE
---	W	EXISTING WATER LINE
---	1000	EXISTING CONTOUR
---	603	PROPOSED CONTOUR (BY OTHERS)
---	603	PROPOSED CONTOUR
---	W	EXISTING WATER METER
---	W	EXISTING WATER VALVE
---	W	EXISTING FIRE HYDRANT
---	SS	EXISTING MANHOLE
---	CO	EXISTING POWER POLE
---	CO	EXISTING CLEAN OUT
---	1001.50	EXISTING ELEVATION
---	02.15	PROPOSED ELEVATION
---	W	TOP OF CURB ELEVATION
---	G 03.05	GUTTER ELEVATION
---	E	EXISTING
---	P	PROPOSED
---	TS 03.05	TOP OF SIDEWALK ELEVATION
---	FG 03.05	PROPOSED FINISHED GRADE (LANDSCAPE)



LOT 212, BLOCK 212, C.B. 4451,  
 REPLAT OF SWC CULEBRA/TALLEY RETAIL  
 VOL. 20003, PG. 174, P.R.B.C.T.

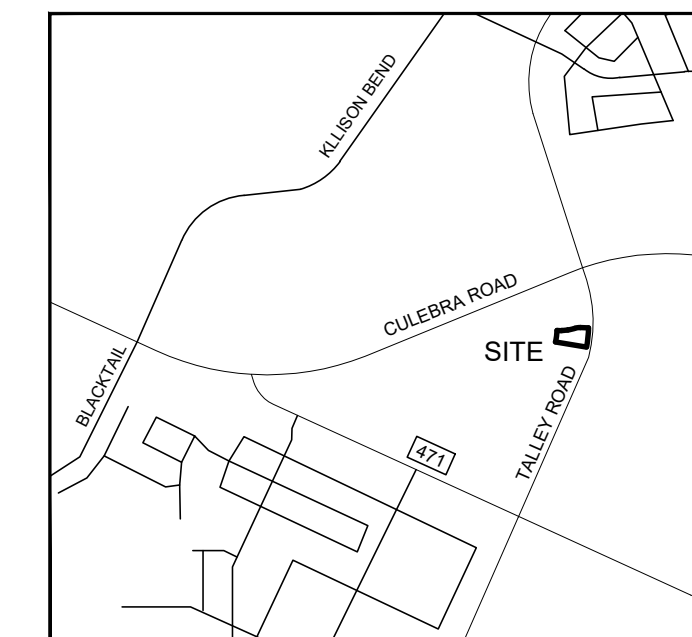
LOT 9, BLOCK 212, C.B. 4451,  
 REPLAT OF SWC CULEBRA/TALLEY RETAIL  
 VOL. 20003, PG. 174, P.R.B.C.T.

LOT 10, BLOCK 212, C.B. 4451,  
 REPLAT OF SWC CULEBRA/TALLEY RETAIL  
 VOL. 20003, PG. 174, P.R.B.C.T.





CURVE TABLE					
CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	118.98'	1064.82'	6°24'08"	N 07°05'43" E	118.92'
C2	67.61'	199.97'	19°22'20"	N 84°12'36" E	67.29'
C3	59.88'	199.97'	17°09'20"	N 83°06'13" E	59.86'
C4	199.72'	1389.16'	8°14'14"	S 05°49'42" W	199.54'

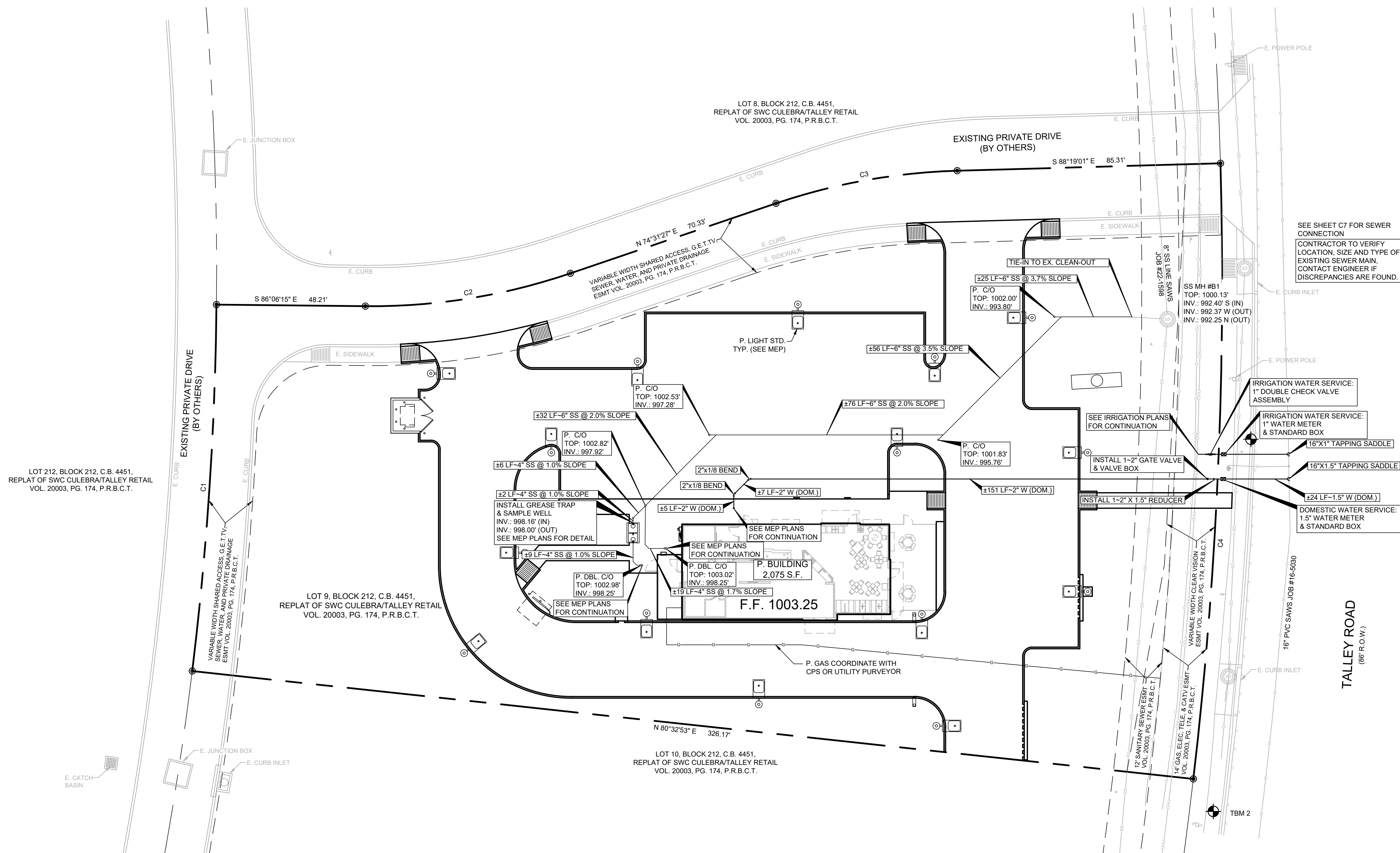


LOCATION MAP  
NOT TO SCALE

**COORDINATES AND BASIS OF BEARINGS NOTE:**  
COORDINATES AND BASIS OF BEARINGS ARE IN STATE PLANE COORDINATE SYSTEM, NAD 1983, TEXAS SOUTH ZONE (4205). VERTICAL DATUM IS NAVD 1988. THE DISTANCES AND ACRESSES SHOWN ARE GRID AND CAN BE CONVERTED TO SURFACE VALUES BY USING A COMBINED ADJUSTMENT FACTOR OF 1.00017.

**GENERAL NOTES:**

- ALL PHASES OF WORK UNDER THIS CONTRACT SHALL BE WITH STRICT ADHERENCE TO "STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION" PUBLISHED BY THE CITY OF SAN ANTONIO, TEXAS, DEPARTMENT OF PUBLIC WORKS. FINAL DECISIONS OR JUDGMENTS ON MATTERS NOT SPECIFICALLY COVERED BY THE ABOVE DOCUMENTS SHALL BE MADE BY THE ENGINEER.
- CONTRACTOR SHALL COMPLY WITH THE APPROPRIATE BUILDING CODE AND REGULATIONS, AS WELL AS OTHER SAFETY CODES AND INSPECTION PROVISIONS APPLICABLE TO THIS PROJECT.
- CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED FOR CONSTRUCTION AND SHALL NOTIFY ALL RESPECTIVE GOVERNMENTAL OR UTILITY AGENCIES AFFECTED BY CONSTRUCTION.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNERS AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FROM LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, NATURAL GAS PURVEYOR MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
- EXISTING ABOVE GROUND UTILITIES HAVE BEEN PLOTTED BY DIRECT FIELD INVESTIGATION. UNDERGROUND UTILITIES HAVE BEEN COMPILED FROM VARIOUS SOURCES AND REQUIRE VERIFICATION BY THE CONTRACTOR TO ESTABLISH THEIR EXACT LOCATION AND DEPTH. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING ABOVE GROUND OR UNDERGROUND UTILITIES, INCLUDING THOSE NOT SHOWN ON DRAWINGS. DEAD UTILITY LINES SHALL BE SUITABLY CAPPED.
- ANY EXISTING SITE IMPROVEMENT OR UTILITY REMOVED, DAMAGED OR UNDERCUT BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AND APPROVED BY THE RESPECTIVE UTILITY AT THE CONTRACTOR'S EXPENSE.
- ALL WASTE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE RIGHT-OF-WAY AND TO PRIVATE PROPERTY WHERE THE CONTRACTOR HAS THE CONSENT OF THE OWNERS. NO WASTE MATERIAL SHALL BE PLACED IN EXISTING NATURAL DRAINAGE COURSES.
- BARRICADES AND WARNING SIGNS SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND GENERALLY BE LOCATED TO AFFORD MAXIMUM PROTECTION TO THE PUBLIC AS WELL AS CONSTRUCTION PERSONNEL AND EQUIPMENT AND TO ASSURE AN EXPEDITIOUS TRAFFIC FLOW AT ALL TIMES DURING CONSTRUCTION. THE SIGNS SHALL BE COORDINATED WITH SEQUENCE OF CONSTRUCTION AND DETOUR PLAN. DURING THE PROGRESS OF THE WORK THE CONTRACTOR SHALL PROVIDE ACCESS FOR LOCAL TRAFFIC.
- CONTRACTOR SHALL NOTIFY LINE LOCATOR FOR EACH RESPECTIVE UTILITY IN THE PROJECT AREA 48 HOURS PRIOR TO STARTING EXCAVATION.
- FOR LOCATION OF UNDERGROUND ELECTRIC FACILITIES, CALL C.P.S. LOCATOR 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE, CONTAINS ASBESTOS-CONTAINING MATERIAL (ACM) AND IS LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS ARE APPLICABLE WHEN HANDLING, REMOVING AND DISPOSING OF THIS PIPE. SEE UTILITY SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE.
- IF NECESSARY, REPLACE ONE LENGTH OF ASBESTOS CEMENT PIPE TO MEET EPA REQUIREMENTS.
- ALL PIPE SHALL BE RESTRAINED BASED UPON CONDITIONS ENCOUNTERED DURING INSTALLATION SEE UTILITY SPECIFICATIONS BOOK FOR RESTRAINED LENGTHS.



**TRENCH EXCAVATION SAFETY PROTECTION:**

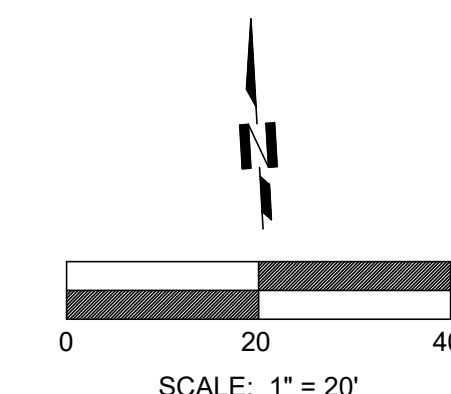
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

**UTILITY LOCATE NOTES:**

THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181 GAS COMPANIES MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA. THE CONTRACTOR SHALL NOTIFY THE GAS COMPANY LOCATOR AT 1-800-545-6005, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH AS A MINIMUM O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS SPECIFICALLY. CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



UTILITY PLAN

**LEGEND**

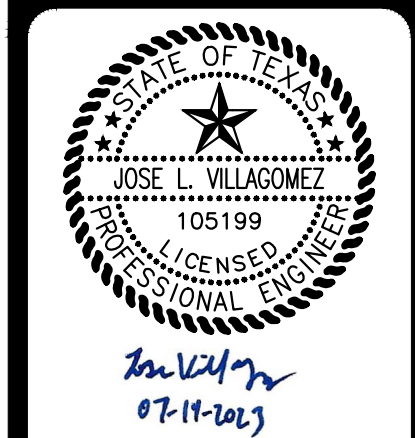
— CATV —	EXISTING C.A.T.V. LINE
— OHU —	EXISTING OVERHEAD ELECTRIC
— UGE —	EXISTING UNDERGROUND ELECTRIC
— G —	EXISTING GAS LINE
— SD —	EXISTING STORM DRAIN LINE
— SS —	EXISTING SANITARY SEWER LINE
— W —	EXISTING WATER LINE
— 600 —	EXISTING CONTOUR
— 607 —	PROPOSED CONTOUR
— W —	EXISTING WATER METER
— V —	EXISTING WATER VALVE
— H —	EXISTING FIRE HYDRANT
— SS —	EXISTING MANHOLE
— P —	EXISTING POWER POLE
— C/O —	EXISTING CLEAN OUT
— (ELEV) —	EXISTING ELEVATION
— 23.22 —	PROPOSED ELEVATION
— T 36.75 —	TOP OF CURB ELEVATION
— G 36.25 —	GUTTER ELEVATION
— E —	EXISTING
— P —	PROPOSED
— FL —	FLOW LINE

REVISIONS:

24165 IH-10W, SUITE 217-708  
SAN ANTONIO TEXAS 78257  
PHONE: 210-724-0816  
FAX: 210-855-0222

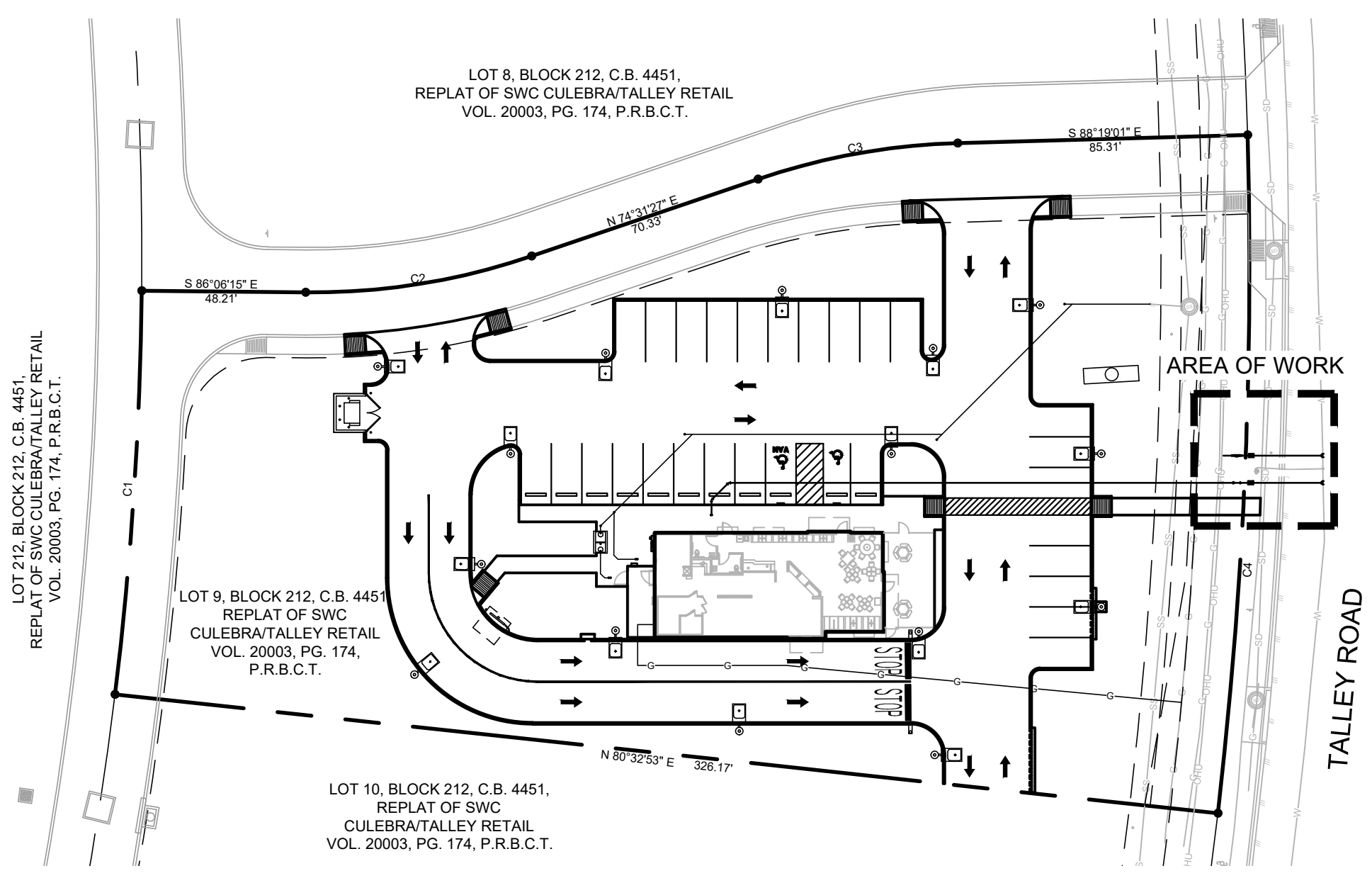


GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
UTILITY PLAN



JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET C6

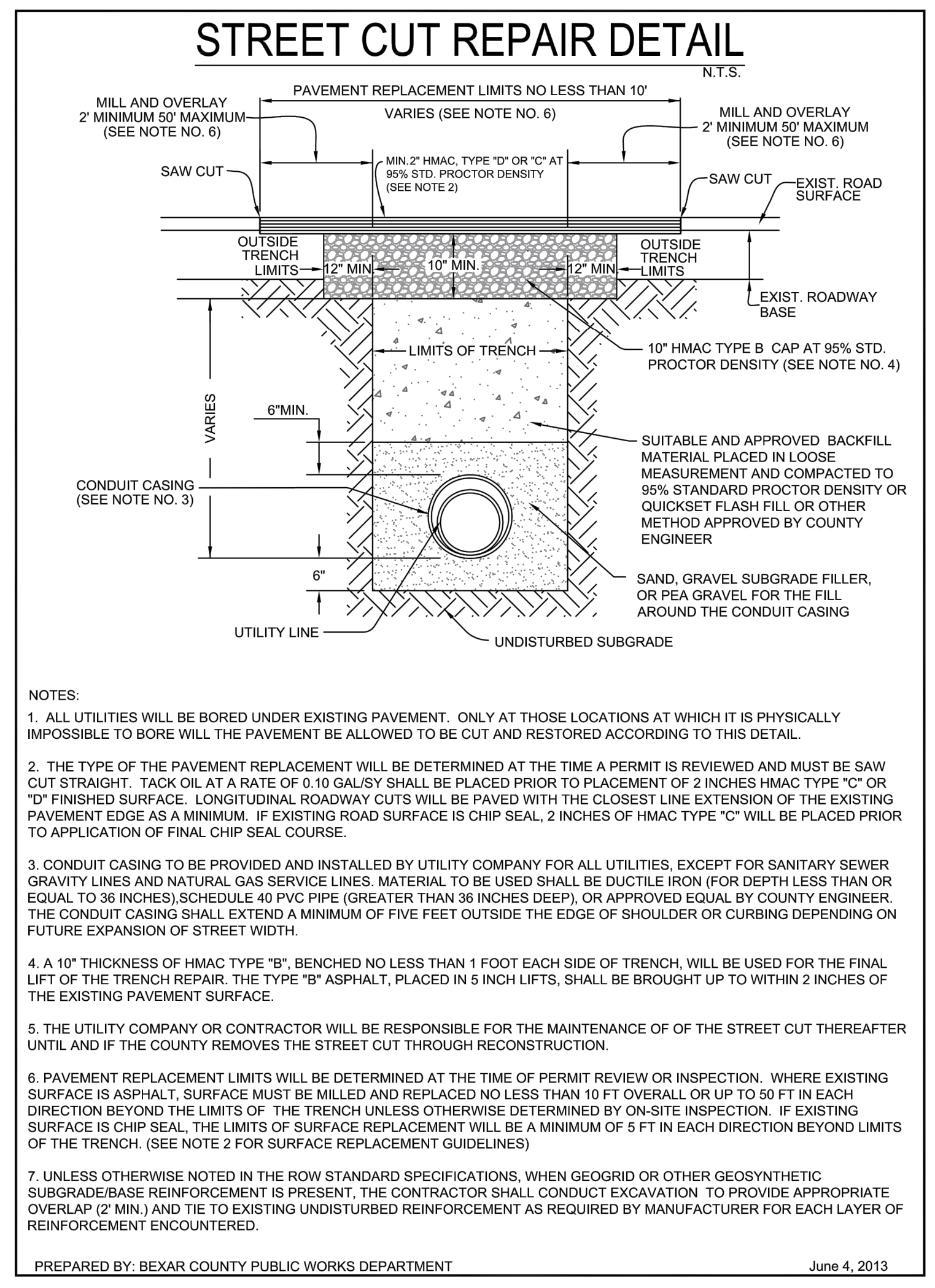




**OVERALL SITE PLAN**  
SCALE: 1" = 40'

CURVE TABLE					
CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	118.98	1064.82'	6°24'08"	N 07°05'43" E	118.92'
C2	67.61'	199.97'	19°22'20"	N 84°12'36" E	67.29'
C3	59.88'	199.97'	17°09'30"	N 83°08'13" E	59.66'
C4	199.72'	1389.16'	8°14'14"	S 05°49'42" W	199.54'

**NOTE:**  
CONTRACTOR SHALL OBTAIN BEXAR COUNTY R.O.W. PERMIT TO COMMENCE WORK IN R.O.W.



- NOTES:**
- ALL UTILITIES WILL BE BORED UNDER EXISTING PAVEMENT. ONLY AT THOSE LOCATIONS AT WHICH IT IS PHYSICALLY IMPOSSIBLE TO BORE WILL THE PAVEMENT BE ALLOWED TO BE CUT AND RESTORED ACCORDING TO THIS DETAIL.
  - THE TYPE OF THE PAVEMENT REPLACEMENT WILL BE DETERMINED AT THE TIME A PERMIT IS REVIEWED AND MUST BE SAW CUT STRAIGHT. TACK OIL AT A RATE OF 0.10 GAL/SY SHALL BE PLACED PRIOR TO PLACEMENT OF 2 INCHES HMAc TYPE "C" OR "D" FINISHED SURFACE. LONGITUDINAL ROADWAY CUTS WILL BE PAVED WITH THE CLOSEST LINE EXTENSION OF THE EXISTING PAVEMENT EDGE AS A MINIMUM. IF EXISTING ROAD SURFACE IS CHIP SEAL, 2 INCHES OF HMAc TYPE "C" WILL BE PLACED PRIOR TO APPLICATION OF FINAL CHIP SEAL COURSE.
  - CONDUIT CASING TO BE PROVIDED AND INSTALLED BY UTILITY COMPANY FOR ALL UTILITIES, EXCEPT FOR SANITARY SEWER GRAVITY LINES AND NATURAL GAS SERVICE LINES. MATERIAL TO BE USED SHALL BE DUCTILE IRON (FOR DEPTH LESS THAN OR EQUAL TO 36 INCHES), SCHEDULE 40 PVC PIPE (GREATER THAN 36 INCHES DEEP), OR APPROVED EQUAL BY COUNTY ENGINEER. THE CONDUIT CASING SHALL EXTEND A MINIMUM OF FIVE FEET OUTSIDE THE EDGE OF SHOULDER OR CURBING DEPENDING ON FUTURE EXPANSION OF STREET WIDTH.
  - A 10" THICKNESS OF HMAc TYPE "B", BENCHED NO LESS THAN 1 FOOT EACH SIDE OF TRENCH, WILL BE USED FOR THE FINAL LIFT OF THE TRENCH REPAIR. THE TYPE "B" ASPHALT, PLACED IN 5 INCH LIFTS, SHALL BE BROUGHT UP TO WITHIN 2 INCHES OF THE EXISTING PAVEMENT SURFACE.
  - THE UTILITY COMPANY OR CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STREET CUT THEREAFTER UNTIL AND IF THE COUNTY REMOVES THE STREET CUT THROUGH RECONSTRUCTION.
  - PAVEMENT REPLACEMENT LIMITS WILL BE DETERMINED AT THE TIME OF PERMIT REVIEW OR INSPECTION. WHERE EXISTING SURFACE IS ASPHALT, SURFACE MUST BE MILLED AND REPLACED NO LESS THAN 10 FT OVERALL OR UP TO 50 FT IN EACH DIRECTION BEYOND THE LIMITS OF THE TRENCH UNLESS OTHERWISE DETERMINED BY ON-SITE INSPECTION. IF EXISTING SURFACE IS CHIP SEAL, THE LIMITS OF SURFACE REPLACEMENT WILL BE A MINIMUM OF 5 FT IN EACH DIRECTION BEYOND LIMITS OF THE TRENCH. (SEE NOTE 2 FOR SURFACE REPLACEMENT GUIDELINES)
  - UNLESS OTHERWISE NOTED IN THE ROW STANDARD SPECIFICATIONS, WHEN GEODRID OR OTHER GEOSYNTHETIC SUBGRADE/BASE REINFORCEMENT IS PRESENT, THE CONTRACTOR SHALL CONDUIT EXCAVATION TO PROVIDE APPROPRIATE OVERLAP (2" MIN.) AND TIE TO EXISTING UNDISTURBED REINFORCEMENT AS REQUIRED BY MANUFACTURER FOR EACH LAYER OF REINFORCEMENT ENCOUNTERED.
- PREPARED BY: BEXAR COUNTY PUBLIC WORKS DEPARTMENT  
June 4, 2013

**SAWS CONSTRUCTION NOTES**  
COUNTER PERMIT AND GENERAL CONSTRUCTION PERMIT

- GENERAL SECTION**
- ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER SYSTEM (SAWS) AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
    - A. CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 26 PART 1 CHAPTER 271 AND "PUBLIC DRINKING WATER", TAC TITLE 26 PART 1 CHAPTER 260.
    - B. CURRENT TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE.
    - C. CURRENT SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.
    - D. CURRENT CITY OF SAN ANTONIO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
    - E. CURRENT CITY OF SAN ANTONIO UTILITY EXCAVATION CRITERIA MANUAL (UECM).
  - THE CONTRACTOR SHALL NOT PROCEED WITH ANY PIPE INSTALLATION WORK UNTIL THEY OBTAIN A COPY OF THE APPROVED COUNTER PERMIT OR GENERAL CONSTRUCTION PERMIT (GCP) FROM THE CONSULTANT AND HAS BEEN NOTIFIED BY SAWS CONSTRUCTION INSPECTION DIVISION TO PROCEED WITH THE WORK AND HAS ARRANGED A MEETING WITH THE INSPECTOR AND CONSULTANT FOR THE WORK REQUIREMENTS. WORK COMPLETED BY THE CONTRACTOR WITHOUT AN APPROVED COUNTER PERMIT AND A GCP WILL BE SUBJECT TO REMOVAL AND REPEATED AT THE EXPENSE OF THE CONTRACTOR AND/OR THE DEVELOPER.
  - THE CONTRACTOR SHALL OBTAIN THE SAWS STANDARD DETAILS FROM THE SAWS WEBSITE, [HTTP://WWW.SAWS.ORG/BUSINESS\\_CENTERS/SPECS](http://www.saws.org/business_centers/specs), UNLESS OTHERWISE NOTED WITHIN THE DESIGN PLANS.
  - THE CONTRACTOR IS TO MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT (210) 233-2973, ON NOTIFICATION PROCEDURES THAT WILL BE USED TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 48 HOURS PRIOR TO BEGINNING ANY WORK.
  - LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST 1 WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
    - SAWS UTILITY LOCATES: [HTTP://WWW.SAWS.ORG/BUSINESS\\_CENTERS/SPECS](http://www.saws.org/business_centers/specs)
    - COSA DRAINAGE (210) 472-0720 OR (210) 207-6028
    - COSA TRAFFIC SIGNAL OPERATIONS (210) 208-6480
    - COSA TRAFFIC SIGNAL DAMAGES (210) 207-3881
    - TEXAS STATE WIRE ONE CALL CENTER 1-888-654-6008 OR 811
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION IF DAMAGES ARE MADE AS A RESULT OF THE PROJECT'S CONSTRUCTION.
  - ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) AND/OR BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT REQUIREMENTS.
  - THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.
  - THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAN PERMIT.
  - HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO [CONSTRWKR@SAWS.ORG](mailto:CONSTRWKR@SAWS.ORG).
  - WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY THE SAWS INSPECTION CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST WEEKEND WORK. REQUEST SHOULD BE SENT TO [CONSTRWKR@SAWS.ORG](mailto:CONSTRWKR@SAWS.ORG).
  - ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDAY/WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION.
  - COMPACTION NOTE (ITEM 804): THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE COMPACTION REQUIREMENTS ON ALL TRENCH BACKFILL AND FOR PAVING FOR THE TESTS PERFORMED BY THE THIRD PARTY. COMPACTION TESTS WILL BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED, OR AS INDICATED BY THE SAWS INSPECTOR AND/OR THE TEST ADMINISTRATOR, PER EACH 12 INCH LAYER LIFT PER 400 LINEAR FEET AT A MINIMUM. THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY SAWS WITHOUT THIS REQUIREMENT BEING MET AND VERIFIED BY PROVIDING ALL NECESSARY DOCUMENTATION TO THE TEST RESULT.

- WATER SECTION**
- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT LEAST ONE WEEK IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AND APPLICABLE WATER MAIN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS. SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM NO. 3000, "SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE".
    - FOR WATER MAINS 12" OR HIGHER SAWS EMERGENCY OPERATIONS CENTER (EOC) 210-233-2014
  - ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN ASBESTOS-CONTAINING MATERIAL (ACM), MAY BE LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS WILL BE APPLICABLE WHEN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS. SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM NO. 3000, "SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE".
  - VALVE REMOVAL: WHERE THE CONTRACTOR IS TO ABANDON A WATER MAIN, THE CONTROL VALVE LOCATED ON THE ABANDONING BRANCH WILL BE REMOVED AND REPLACED WITH A CAP/PLUG (NPS).
  - SUITABLE ANCHORAGE/THRUST BLOCKING OR JOINT RESTRAINT SHALL BE PROVIDED AT ALL OF THE FOLLOWING MAIN LOCATIONS: DEAD ENDS, FLUES, CAPS, TEES, CROSSINGS, VALVES, AND BENDS, IN ACCORDANCE WITH THE STANDARD DRAWINGS 03-89 SERIES AND ITEM NO. 838, IN THE SAWS STANDARD SPECIFICATIONS FOR CONSTRUCTION.
  - ALL VALVES SHALL READ "OPEN RIGHT".
  - PRVS REQUIRED: CONTRACTOR TO VERIFY THAT NO PORTION OF THE TRACT IS BELOW GROUND ELEVATION OF \_\_\_\_\_ FEET WHERE THE STATIC PRESSURE WILL NORMALLY EXCEED 80 PSI. AT ALL SUCH LOCATIONS WHERE THE GROUND LEVEL IS BELOW \_\_\_\_\_ FEET, THE DEVELOPER OR BUILDER SHALL, ON THE OWNER'S SIDE OF THE METER, AN APPROVED PRESSURE REGULATOR IN CONFORMANCE WITH THE PLUMBING CODE OF THE CITY OF SAN ANTONIO. NO DUAL SERVICES ALLOWED FOR ANY LOTS) IF PRV IS/ARE REQUIRED FOR SUCH LOTS, ONLY SINGLE SERVICE CONNECTIONS SHALL BE ALLOWED. NOTE: A PRESSURE REGULATOR IS ALSO KNOWN AS A PRESSURE REDUCING VALVE (PRV).
  - PIPE DISINFECTION WITH DRY HYD FOR PROJECTS LESS THAN 800 LINEAR FEET. (ITEM NO. 847.3) MAINS SHALL BE DISINFECTED WITH DRY HYD WHERE SHOWN IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE INSPECTOR, AND SHALL NOT EXCEED A TOTAL LENGTH OF 800 FEET. THIS METHOD OF DISINFECTION WILL ALSO BE FOLLOWED FOR MAIN REPAIRS. THE CONTRACTOR SHALL UTILIZE ALL APPROPRIATE SAFETY MEASURE TO PROTECT HIS PERSONNEL DURING DISINFECTION OPERATIONS.
  - BACKFLOW PREVENTION DEVICES:
    - ALL IRRIGATION SERVICES WITHIN RESIDENTIAL AREAS ARE REQUIRED TO HAVE BACKFLOW PREVENTION DEVICES.
    - ALL COMMERCIAL BACKFLOW PREVENTION DEVICES MUST BE APPROVED BY SAWS PRIOR TO INSTALLATION.
  - FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UNTIL THE WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED, AND SAWS HAS RELEASED THE MAIN FOR TIE-IN AND USE.

- SEWER SECTION**
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOW (SSO) OCCURS AS A RESULT OF THEIR WORK. ALL CONTRACTOR PERSONNEL RESPONSIBLE FOR SSO PREVENTION AND CONTROL SHALL BE TRAINED ON PROPER RESPONSE. SHOULD AN SSO OCCUR, THE CONTRACTOR SHALL:
    - IDENTIFY THE SOURCE OF THE SSO AND NOTIFY SAWS EMERGENCY OPERATIONS CENTER (EOC) IMMEDIATELY AT (210) 233-2014. PROVIDE THE ADDRESS OF THE SPILL AND AN ESTIMATED VOLUME OR FLOW.
    - ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.
    - CONTAIN SEWAGE FROM THE SSO TO THE EXTENT OF PREVENTING A POSSIBLE CONTAMINATION OF WATERWAYS.
    - CLEAN UP SPILL, SITE, RETURN CONTAINED SEWAGE TO THE COLLECTION SYSTEM IF POSSIBLE AND PROPERLY DISPOSE OF CONTAMINATED SOIL MATERIALS.
    - CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.
    - MEET ALL POST-SOO REQUIREMENTS AS PER THE TCEQ CONSENT DECREE, INCLUDING LINE CLEANING AND TELEVISIONING THE AFFECTED SEWER MAINS (AT SAWS DIRECTION) WITHIN 24 HOURS.
 SHOULD THE CONTRACTOR FAIL TO ADDRESS AN SSO IMMEDIATELY AND TO SAWS SATISFACTION, THEY WILL BE RESPONSIBLE FOR ALL COSTS INCURRED BY SAWS, INCLUDING ANY FINES FROM EPA, TCEQ AND/OR ANY OTHER FEDERAL, STATE OR LOCAL AGENCIES.
  - IF BYPASS PUMPING IS REQUIRED, THE CONTRACTOR SHALL PERFORM SUCH WORK IN ACCORDANCE WITH SAWS STANDARD SPECIFICATION FOR WATER AND SANITARY SEWER CONSTRUCTION, ITEM NO. 884, "BYPASS PUMPING".
  - PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING FORCE MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT (210) 233-2973 AT LEAST ONE WEEK IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS. THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE THE WORK ACCORDINGLY.
  - SEWER PIPE WHERE WATER LINE CROSSINGS SHALL BE 180 PSI AND MEET THE REQUIREMENTS OF ASTM D2241, TAC 213.53 AND TCEQ 280.44E(K)(B). CONTRACTOR SHALL CENTER A 20" JOINT OF 180 PSI PRESSURE RATED PVC AT THE PROPOSED WATER CROSSING.
  - ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR TOP OF MANHOLES TO MATCH THE FINISHED GRADE OF THE PROJECT'S IMPROVEMENTS, (OSPI).
  - SPILLS, OVERFLOWS, OR DISCHARGES OF WASTEWATER, ALL SPILLS, OVERFLOWS, OR DISCHARGES OF WASTEWATER, RECYCLED WATER, PETROLEUM PRODUCTS, OR CHEMICALS MUST BE REPORTED IMMEDIATELY TO THE SAWS INSPECTOR ASSIGNED TO THE COUNTER PERMIT OR GENERAL CONSTRUCTION PERMIT (GCP). THIS REQUIREMENT APPLIES TO EVERY SPILL, OVERFLOW, OR DISCHARGE REGARDLESS OF SIZE.
  - MANHOLE AND ALL PIPE TESTING (INCLUDING THE TV INSPECTION) MUST BE PERFORMED AND PASSED PRIOR TO FINAL FIELD ACCEPTANCE BY SAWS CONSTRUCTION INSPECTION DIVISION, AS PER THE SAWS SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.
  - ALL PVC PIPE OVER 14 FEET OF COVER SHALL BE EXTRA STRENGTH WITH MINIMUM PIPE STIFFNESS OF 115 PSI.

**TRENCH EXCAVATION SAFETY PROTECTION:**

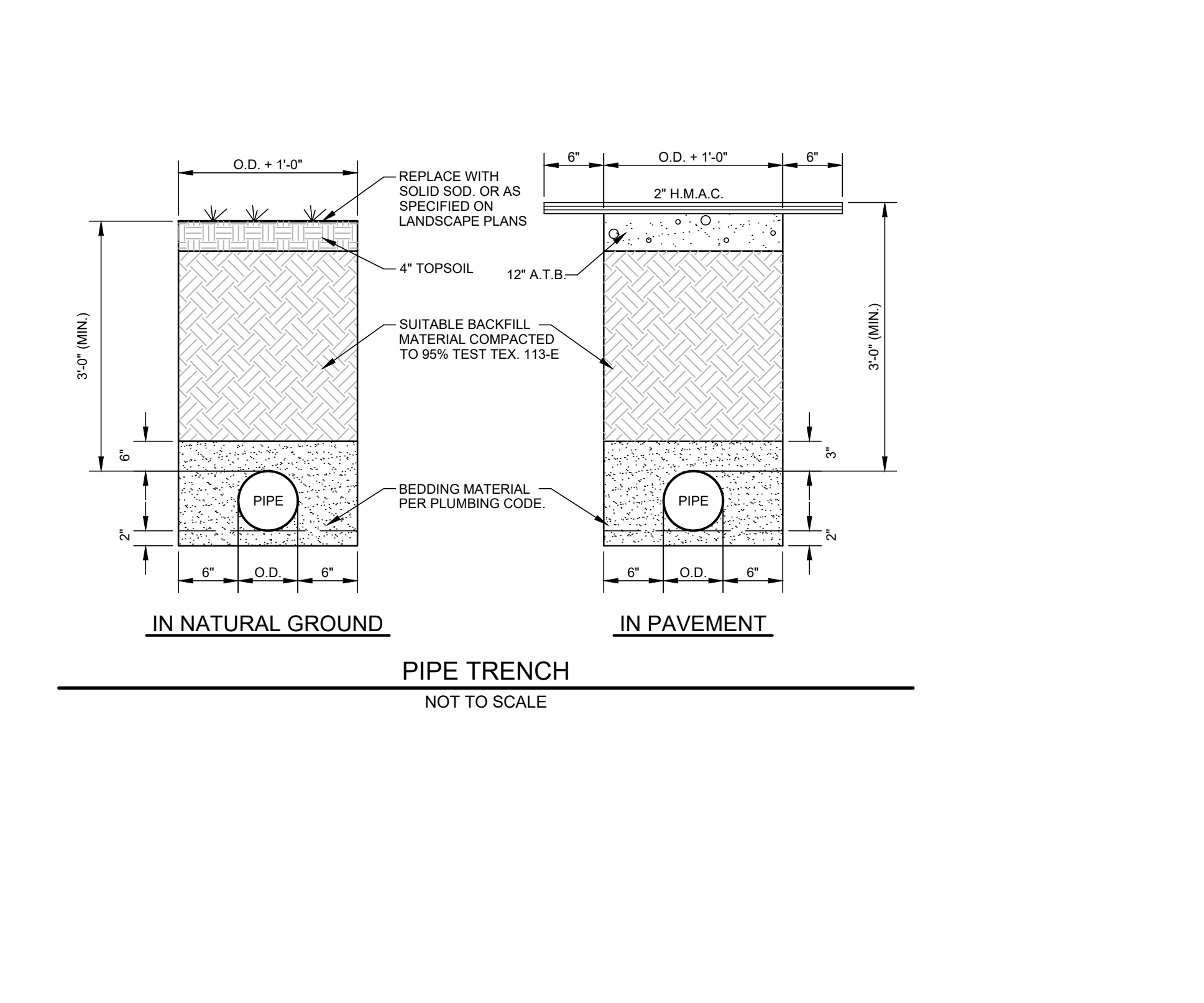
CONTRACTOR AND/OR CONTRACTORS INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN (GEOTECHNICAL SAFETY EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTORS' TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND PROCEDURES. THE CONTRACTORS' IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTORS INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

**UTILITY LOCATE NOTES:**

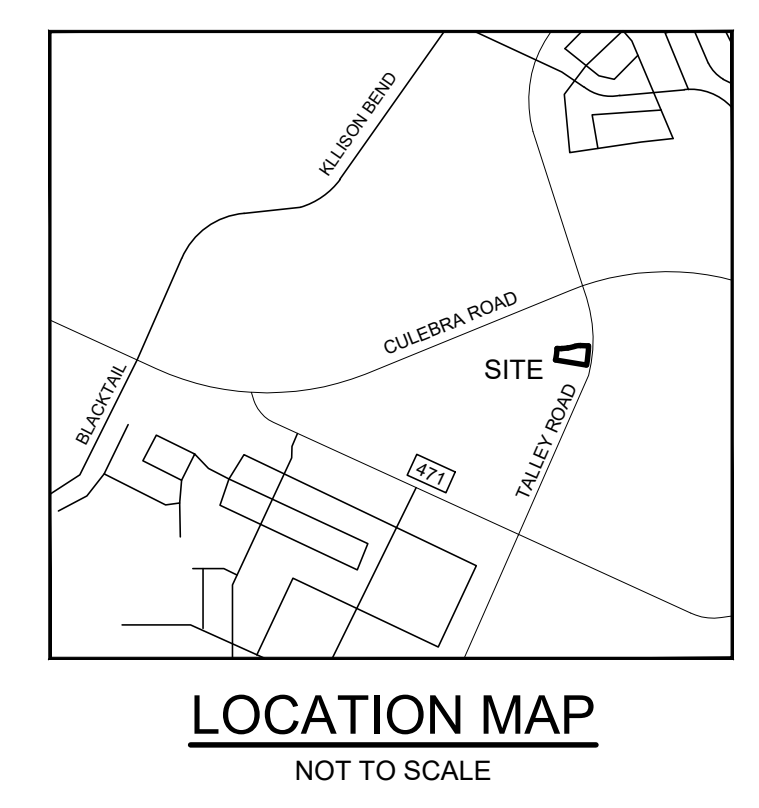
THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-645-6000. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.

DOE TO FEDERAL REGULATIONS TITLE 49, PART 192.181 GAS COMPANIES MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA. THE CONTRACTOR SHALL NOTIFY THE GAS COMPANY LOCATOR AT 1-800-645-6000, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

- LEGEND**
- CATV - EXISTING C.A.T.V. LINE
  - OHU - EXISTING OVERHEAD ELECTRIC
  - UGE - EXISTING UNDERGROUND ELECTRIC
  - G - EXISTING GAS LINE
  - SD - EXISTING STORM DRAIN LINE
  - SS - EXISTING SANITARY SEWER LINE
  - W - EXISTING WATER LINE
  - 600 - EXISTING CONTOUR
  - 600 - PROPOSED CONTOUR
  - WM - EXISTING WATER METER
  - WV - EXISTING WATER VALVE
  - SS - EXISTING FIRE HYDRANT
  - CP - EXISTING POWER POLE
  - CE - EXISTING CLEAN OUT
  - 23.22 - EXISTING ELEVATION
  - T.36.75 - PROPOSED ELEVATION
  - G.36.25 - TOP OF CURB ELEVATION
  - E - GUTTER ELEVATION
  - P - EXISTING
  - FL - PROPOSED FLOW LINE



**WATER CONNECTION PLAN**  
SCALE: 1" = 5'



**GENERAL NOTES:**

- ALL PHASES OF WORK UNDER THIS CONTRACT SHALL BE WITH STRICT ADHERENCE TO "STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION" PUBLISHED BY THE CITY OF SAN ANTONIO, TEXAS, DEPARTMENT OF PUBLIC WORKS. FINAL DECISIONS OR JUDGMENTS ON MATTERS NOT SPECIFICALLY COVERED BY THE ABOVE DOCUMENTS SHALL BE MADE BY THE ENGINEER.
- CONTRACTOR SHALL COMPLY WITH THE APPROPRIATE BUILDING CODE AND REGULATIONS, AS WELL AS OTHER SAFETY CODES AND INSPECTION PROVISIONS APPLICABLE TO THIS PROJECT.
- CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED FOR CONSTRUCTION AND SHALL NOTIFY ALL RESPECTIVE GOVERNMENTAL, OR UTILITY AGENCIES AFFECTED BY CONSTRUCTION.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNERS AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING FROM LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, NATURAL GAS PURVEYOR MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
- EXISTING ABOVE GROUND UTILITIES HAVE BEEN PLOTTED BY DIRECT FIELD INVESTIGATION. UNDERGROUND UTILITIES HAVE BEEN COMPILED FROM VARIOUS SOURCES AND REQUIRE VERIFICATION BY THE CONTRACTOR TO ESTABLISH THEIR EXACT LOCATION AND DEPTH. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING ABOVE GROUND OR UNDERGROUND UTILITIES, INCLUDING THOSE NOT SHOWN ON DRAWINGS. DEAD UTILITY LINES SHALL BE SUITABLY CAPPED.
- ANY EXISTING SITE IMPROVEMENT OR UTILITY REMOVED, DAMAGED OR UNDERCUT BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AND APPROVED BY THE RESPECTIVE UTILITY AT THE CONTRACTOR'S EXPENSE.
- ALL WASTE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL. OFF THE LIMITS OF THE RIGHT-OF-WAY AND TO PRIVATE PROPERTY WHERE THE CONTRACTOR HAS THE CONSENT OF THE OWNERS. NO WASTE MATERIAL SHALL BE PLACED IN EXISTING NATURAL DRAINAGE COURSES.
- BARRICADES AND WARNING SIGNS SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND GENERALLY BE LOCATED TO AFFORD MAXIMUM PROTECTION TO THE PUBLIC AS WELL AS CONSTRUCTION PERSONNEL AND EQUIPMENT AND TO ASSURE AN EXPEDITIOUS TRAFFIC FLOW AT ALL TIMES DURING CONSTRUCTION. THE SIGNS SHALL BE COORDINATED WITH SEQUENCE OF CONSTRUCTION AND DETOUR PLAN. DURING THE PROGRESS OF THE WORK THE CONTRACTOR SHALL PROVIDE ACCESS FOR LOCAL TRAFFIC.
- CONTRACTOR SHALL NOTIFY CABLE LOCATOR FOR EACH RESPECTIVE UTILITY IN THE PROJECT AREA 48 HOURS PRIOR TO STARTING EXCAVATION.
- FOR LOCATION OF UNDERGROUND ELECTRIC FACILITIES, CALL C.P.S. LOCATOR 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE, CONTAINS ASBESTOS-CONTAINING MATERIAL (ACM) AND IS LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS ARE APPLICABLE WHEN HANDLING, REMOVING AND DISPOSING OF THIS PIPE. SEE SAWS SPECIAL SPECIFICATION ITEM NO. 3000, "SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE".
- IF NECESSARY, REPLACE ONE LENGTH OF ASBESTOS CEMENT PIPE TO MEET EPA REQUIREMENTS.
- ALL PIPE SHALL BE RESTRAINED BASED UPON CONDITIONS ENCOUNTERED DURING INSTALLATION SEE S.A.W.S. SPECIFICATIONS BOOK FOR RESTRAINED LENGTHS.

REVISIONS:

24165 IH-10W, SUITE 217-708  
SAN ANTONIO TEXAS 78257  
PHONE: 210-724-0816  
FAX: 210-485-4022

VILLAGOMEZ  
ENGINEERING  
COMPANY

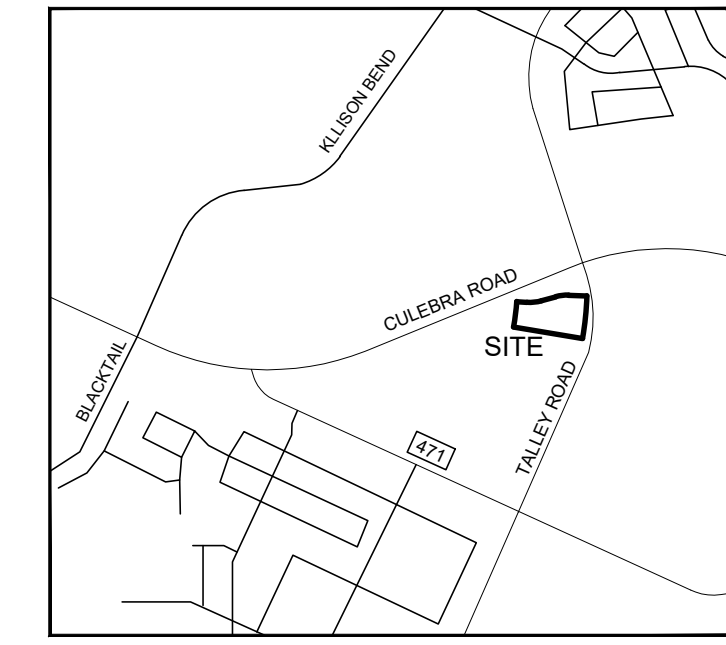
TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 13989

GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
SAWS CONNECTION PLAN

Professional Engineer Seal for Jose L. Villagomez, License No. 105199, dated 07-11-2013.

JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET C7



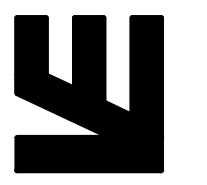


**LOCATION MAP**  
NOT TO SCALE

REVISIONS:

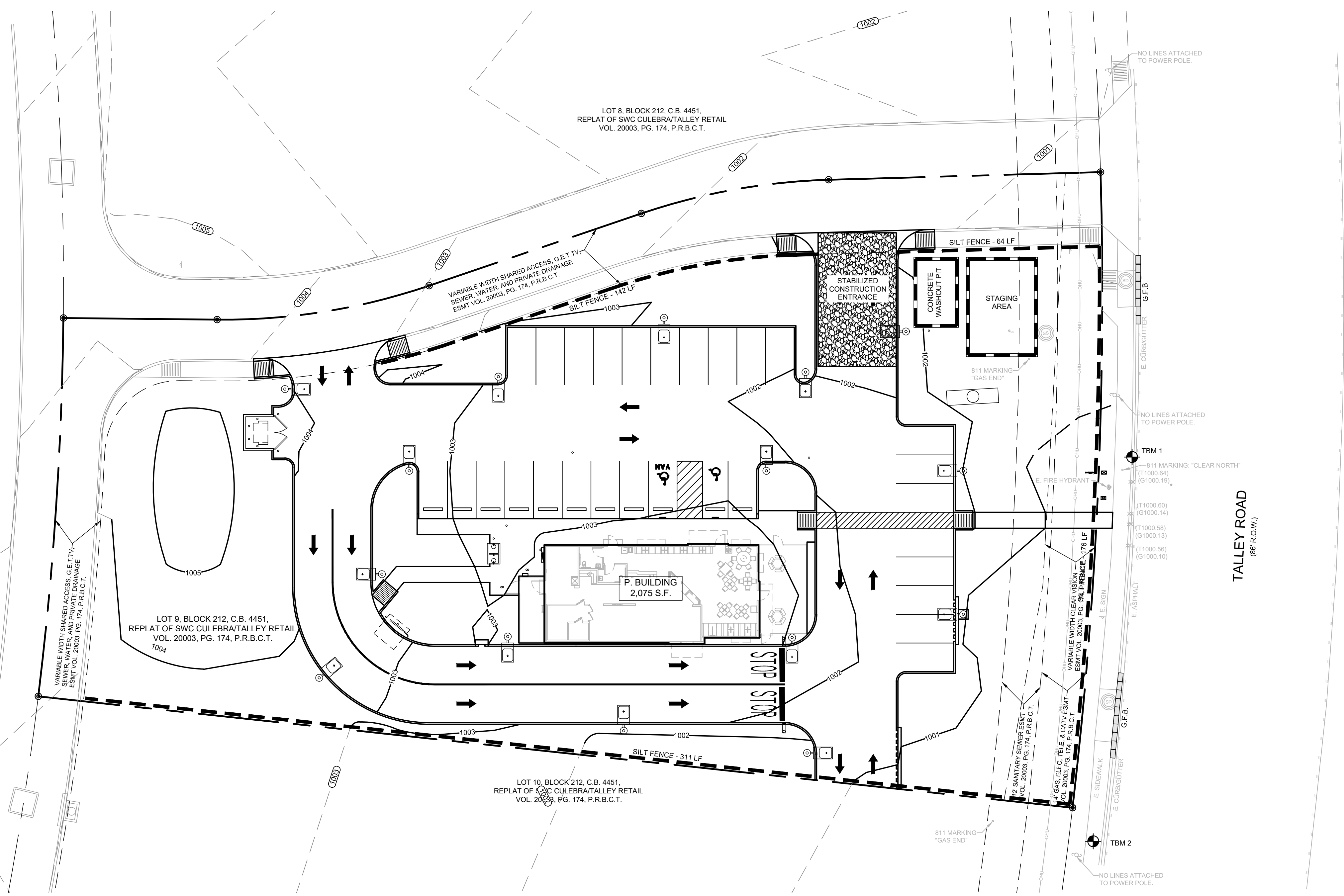
24165 IH-10W, SUITE 217-708  
SAN ANTONIO, TEXAS 78257  
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**VILLAGOMEZ**  
ENGINEERING  
COMPANY



TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 13689

**GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
EROSION CONTROL PLAN**



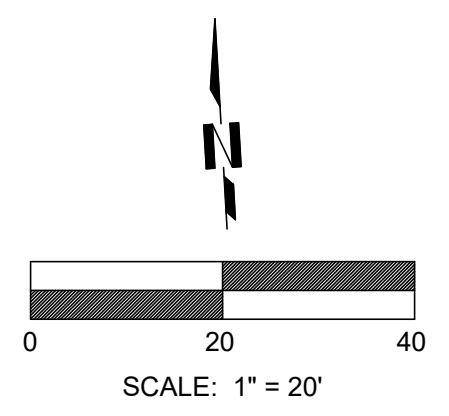
**SEQUENCE OF CONSTRUCTION:**

1. PLACE SILT FENCE, GRAVEL FILTER BAGS, AND STABILIZED CONSTRUCTION ENTRANCE AS SHOWN.
2. PERFORM DEMOLITION, CLEARING, GRUBBING, AND EARTHWORK FOR THE SITE.
3. PERFORM INITIAL SITE GRADING AND BUILDING SUBGRADE PAD PREPARATION PER PLANS.
4. CONSTRUCTION OF PROPOSED BUILDING, WALKWAYS, DRIVEWAYS, AND PAVEMENT.
5. REMOVE TEMPORARY BMP'S AFTER PAVING IS IN PLACE AND/OR AFTER ESTABLISHING VEGETATION.

**NOTE:** IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE TEMPORARY BMP'S ARE IN PLACE AND FUNCTIONING AT ALL TIMES. NOTIFY ENGINEER IF BEXAR COUNTY OR SAWS INSPECTION OFFICIALS REQUEST REVISIONS OR MODIFICATIONS TO THE PLAN.

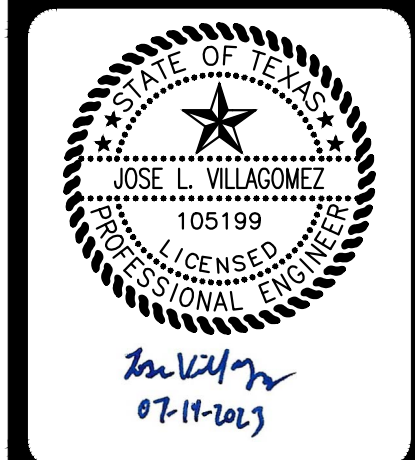
**LEGEND**

---	SILT FENCE
--- CATV ---	EXISTING C.A.T.V. LINE
--- OHU ---	EXISTING OVERHEAD ELECTRIC
--- UGE ---	EXISTING UNDERGROUND ELECTRIC
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---	EXISTING FIRE HYDRANT
---	EXISTING MANHOLE
---	EXISTING POWER POLE
---	EXISTING CLEAN OUT
---	EXISTING ELEVATION
---	PROPOSED ELEVATION
---	TOP OF CURB ELEVATION
---	GUTTER ELEVATION
---	EXISTING FLOW LINE
---	PROPOSED FLOW LINE



**EROSION CONTROL PLAN**

JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET C8





# SITE DESCRIPTION

PROJECT NAME AND LOCATION: GOLDEN CHICK RESTAURANT LOCATED AT THE SOUTHWEST QUADRANT OF TALLEY RD & CULEBRA RD.

CONTACT AND PHONE NO.: MR. A. THARP, (210) 416-4935

PROJECT DESCRIPTION: NEW COMMERCIAL RESTAURANT WITH ADJACENT PARKING

**ON-SITE SOILS:**

LvB, LEWISVILLE SILTY CLAY, 1 TO 3 PERCENT SLOPES

H1A, BRANYON CLAY, 0 TO 1 PERCENT SLOPES

MAJOR SOIL DISTURBING ACTIVITIES: -CLEAR/GRUBBING

-EXCAVATION & GENERAL SITE GRADING

-CONSTRUCTION CONCRETE FOUNDATION

TOTAL PROJECT AREA (ACRES): 1.199 AC

TOTAL AREA TO BE DISTURBED: ±0.58 AC

WEIGHTED RUNOFF COEFFICIENT: EXISTING - C=0.49

PROPOSED - C=0.76

EXISTING CONDITION OF SOIL, VEGETATIVE COVER AND % OF VEGETATIVE COVER: EXISTING SITE IS UNDEVELOPED WITH A GRAVEL RD, ~75% VEGETATIVE COVER.

DESCRIPTION OF WATER DISCHARGED NOT ASSOCIATED WITH CONSTRUCTION: SHEET FLOW ACROSS THE SITE

NAME OF RECEIVING WATERS: LEON CREEK WATERSHED

IDENTIFY STORMWATER DISCHARGE POINTS: SHEET FLOW ACROSS THE SITE, THEN CHANNELIZED FLOW THRU GUTTERS UNTIL

STORMWATER ENTERS INTO THE STORM DRAIN INLETS ALONG TALLEY ROAD ADJACENT TO THE SITE.

A DESCRIPTION AND TIME FRAME FOR INSTALLATION OF STABILIZATION PRACTICES IN CONJUNCTION WITH CONSTRUCTION:

INSTALLATION OF TEMPORARY BMP'S WILL BE INSTALLED PRIOR TO EARTHWORK.

# EROSION AND SEDIMENTATION CONTROLS

## SOIL STABILIZATION PRACTICES:

- P HYDROMULCHING
- TEMPORARY SEEDING
- P PERMANENT PLANTING, SODDING OR SEEDING
- MULCHING
- SOIL RETENTION BLANKET
- BUFFER ZONES
- PRESERVATION OF NATURAL RESOURCES

## OTHER:

DISTURBED AREAS ON WHICH CONSTRUCTION ACTIVITY HAS CEASED TEMPORARILY OR PERMANENTLY, SHALL BE STABILIZED WITHIN 14 DAYS UNLESS ACTIVITIES ARE SCHEDULED TO RESUME AND DONE WITHIN 21 DAYS.

## STRUCTURAL PRACTICES:

- T SILT FENCES
- HAY BALES
- T GRAVEL FILTRATION BAGS
- ROCK BERMS
- DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- DIVERSION, DIKE AND SWALE COMBINATIONS
- PAVED FLUMES
- T ROCK BEDDING AT CONSTRUCTION EXIT (STABILIZED ENTRANCE)
- TIMBER MATTING AT CONSTRUCTION EXIT (STABILIZED ENTRANCE)
- CHANNEL LINERS
- SEDIMENT TRAPS
- SEDIMENT BASINS
- STORM INLET SEDIMENT TRAP
- STONE OUTLET SEDIMENT STRUCTURES
- P CURBS AND GUTTERS
- STORM SEWERS
- VELOCITY CONTROL STRUCTURES
- GEOTEXTILES

## OTHER:

## NARRATIVE - SEQUENCE OF CONSTRUCTION (STORMWATER MANAGEMENT) ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. PLACE SILT FENCE, GRAVEL FILTER BAGS AND STABILIZED CONSTRUCTION ENTRANCE AS SHOWN.
2. PERFORM CLEARING, GRUBBING, AND EARTHWORK FOR THE SITE.
3. PERFORM INITIAL SITE GRADING.
4. CONSTRUCTION OF PROPOSED BUILDING, WALKWAYS, DRIVEWAYS, AND PARKING LOT.
5. REMOVE TEMPORARY BMP'S AFTER PAVING IS IN PLACE AND/OR AFTER SOIL STABILIZATION, AS NECESSARY.

## A DESCRIPTION OF MAINTENANCE PROCEDURES FOR CONTROL MEASURES USED:

SILT FENCE SHALL BE INSPECTED WEEKLY AND AFTER EVERY RAINFALL EVENT. SILT FENCE SHALL BE REPLACED WHEN DESTROYED BY HEAVY FLOWS OR CONSTRUCTION TRAFFIC. SEDIMENT BUILD-UP SHALL BE REMOVED WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.

## STORMWATER MANAGEMENT:

## A DESCRIPTION OF PERMANENT STORM WATER MANAGEMENT CONTROLS:

## OTHER EROSION AND SEDIMENTATION CONTROLS

### MAINTENANCE:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN 7 CALENDAR DAYS AFTER THE SURROUNDING EXPOSED GROUND HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT. THE AREAS ADJACENT TO CREEKS AND DRAINAGE WAYS SHALL HAVE PRIORITY, FOLLOWED BY DEVICES PROTECTING STORM SEWER INLETS.

### INSPECTION:

AN INSPECTION WILL BE PERFORMED BY THE CONTRACTOR EVERY 14 DAYS AS WELL AS AFTER EVERY 1 / 2" OR MORE OF RAIN (RECORDED ON A NON-FREEZING RAIN GAUGE TO BE LOCATED AT THE PROJECT SITE). AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER INSPECTION. BASED ON THE INSPECTION RESULTS, THE CONTROLS SHALL BE CORRECTED BEFORE THE NEXT SCHEDULED INSPECTION.

### WASTE MATERIALS:

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL STATE AND LOCAL CITY SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION AND THE TRASH WILL BE HAULED TO A LOCAL DUMP. NO CONSTRUCTION MATERIALS WILL BE BURIED ON SITE.

### HAZARDOUS WASTE (INCLUDING SPILL REPORTING):

AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES ARE CONSIDERED TO BE HAZARDOUS: PAINTS, ACIDS FOR CLEANING MASONRY SURFACES, GASOLINE, MOTOR OIL, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SOIL STABILIZATION OR CONCRETE CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A SPILL WHICH MAY BE HAZARDOUS AND MEETS REPORTING REQUIREMENTS, THE NATIONAL RESPONSE CENTER SHOULD BE CONTACTED AT 800-424-8802, AND ANY REQUIRED CHANGES MADE TO THE SWPPP. IN THE EVENT OF A LIFE THREATENING SPILL THE SAN ANTONIO FIRE DEPARTMENT SHOULD BE NOTIFIED AS WELL AS THE APPROPRIATE CITY INSPECTORS.

### SANITARY WASTE:

SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS AS NECESSARY, OR AS REQUIRED BY LOCAL REGULATIONS.

### OFFSITE EXCAVATION SOURCE LOCATION: N/A

### OFFSITE FILL SOURCE LOCATION: N/A

### OFFSITE VEHICLE TRACKING:

THE GENERATION OF DUST AND OFFSITE VEHICLE TRACKING OF SEDIMENT MUST BE MINIMIZED. EXCESS SEDIMENT CAUSED BY CONSTRUCTION SHALL BE REMOVED ON A REGULAR BASIS AS DIRECTED/APPROVED BY THE ENGINEER OR AUTHORIZED ENTITIES.

- X HAUL ROADS DAMPENED FOR DUST CONTROL.
- X LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- X EXCESS DIRT ON ROAD TO BE REMOVED DAILY
- X STABILIZED CONSTRUCTION ENTRANCE.

### OTHER:

CERTIFICATION THAT SITE DISTURBANCE AND / OR DISCHARGES WILL NOT EFFECT LISTED ENDANGERED SPECIES AND THEIR HABITAT.  
WHAT METHOD IS USED TO SATISFY THE ENDANGERED SPECIES REQUIREMENTS? N/A

### REMARKS:

DISPOSAL AREAS, STOCKPILES AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT ENTERS RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, BODY OF WATER, STREAMBED OR FLOODPLAIN CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEARED AS SOON AS POSSIBLE OF TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING DEBRIS OR OTHER OBSTRUCTION PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED WORK.

JANUARY 2005

## STORM WATER POLLUTION PREVENTION PLAN (SWP3) NARRATIVE

REVISIONS:

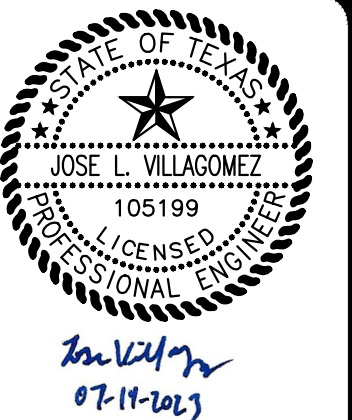
24165 IH-10W, SUITE 217-708  
SAN ANTONIO TEXAS 78257  
PHONE: 210-724-0816  
FAX: 210-855-0252

VILLAGOMEZ  
ENGINEERING  
COMPANY



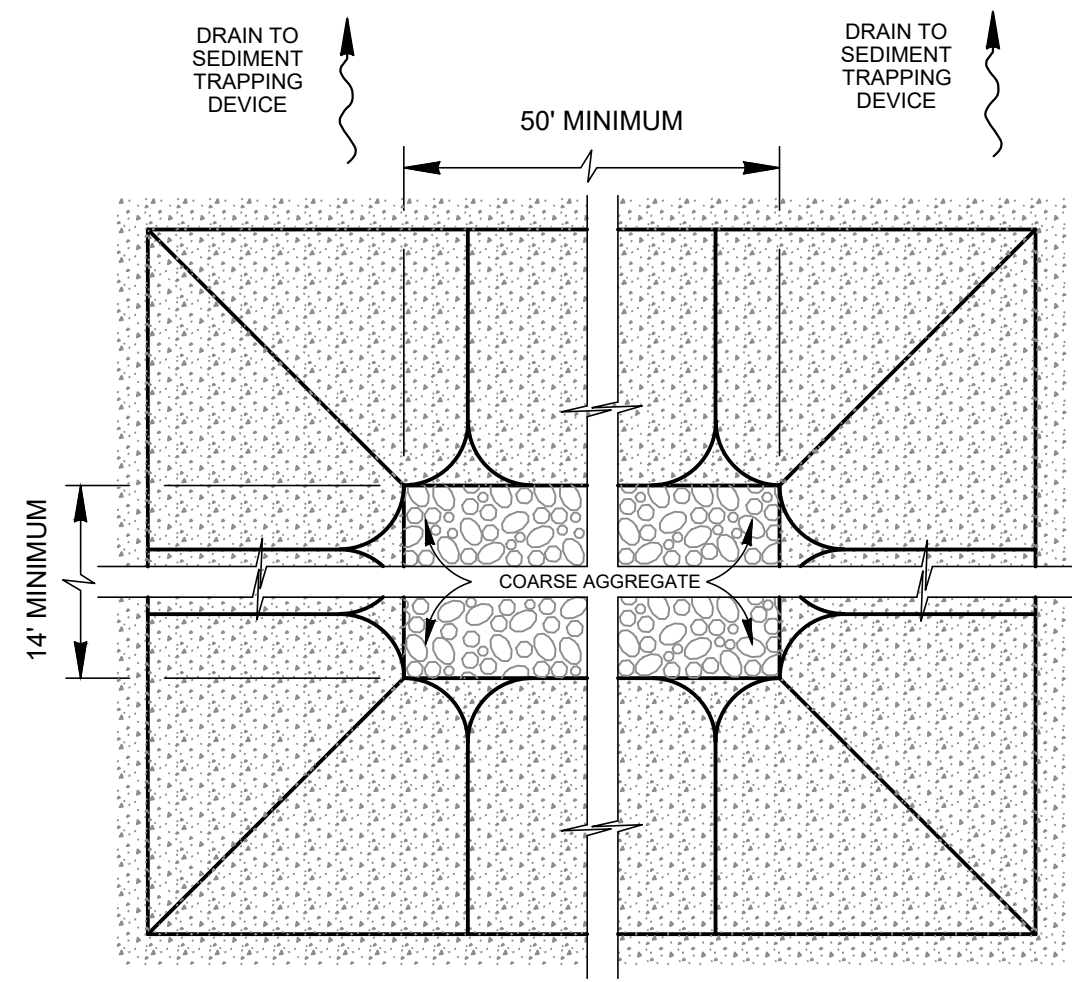
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM REGISTRATION # 13688

GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
EROSION CONTROL NARRATIVE

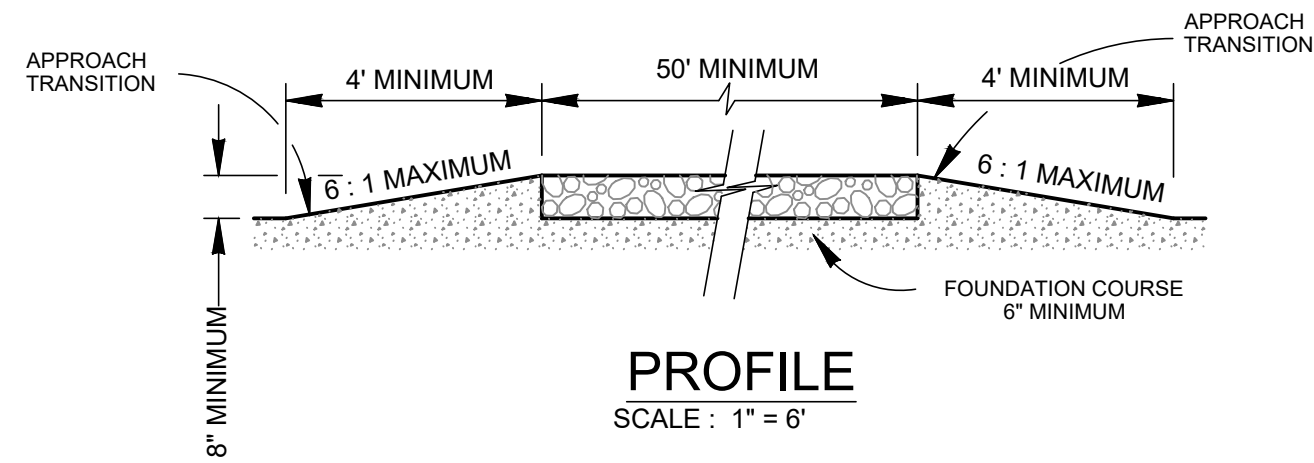


JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET C8.1





**PLAN**  
SCALE: 1" = 6'



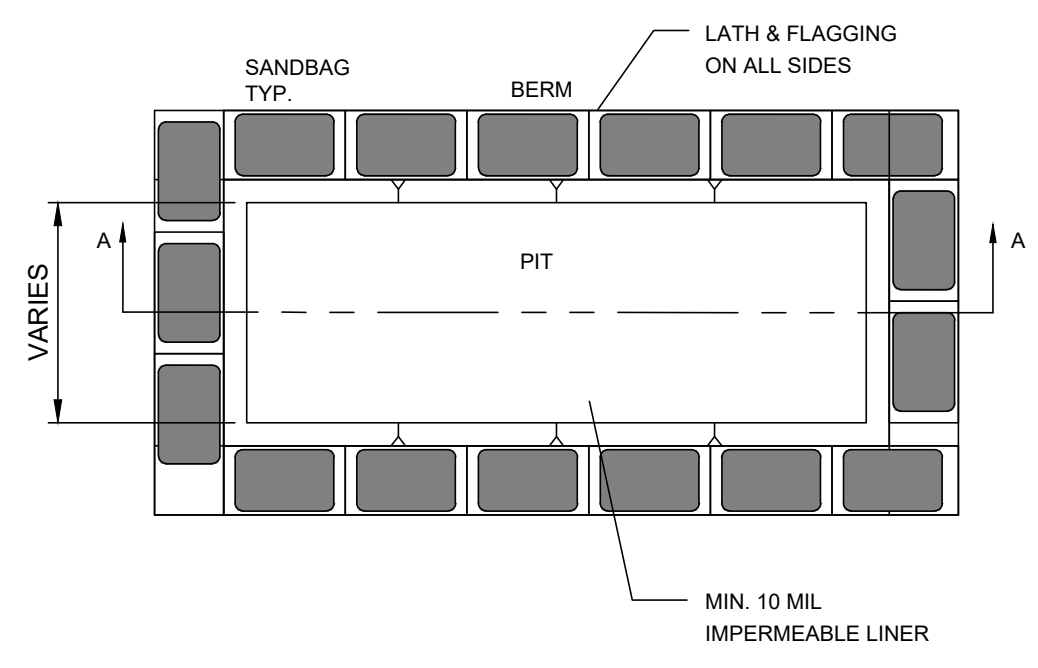
**PROFILE**  
SCALE: 1" = 6'

**GENERAL NOTES**

1. THE LENGTH OF THE TYPE 1 CONSTRUCTION EXIT SHALL BE AS INDICATED ON THE PLANS, BUT NOT LESS THAN 50'.
2. THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A SIZE OF 4" TO 8".
3. THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 6 : 1 AND CONSTRUCTED AS DIRECTED BY THE ENGINEER.
4. THE CONSTRUCTION EXIT FOUNDATION COURSE SHALL BE FLEXIBLE BASE, BITUMINOUS CONCRETE, PORTLAND CEMENT CONCRETE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
5. THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE.
6. THE GUIDELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.

**CONSTRUCTION EXIT - TYPE 1**

NOT TO SCALE



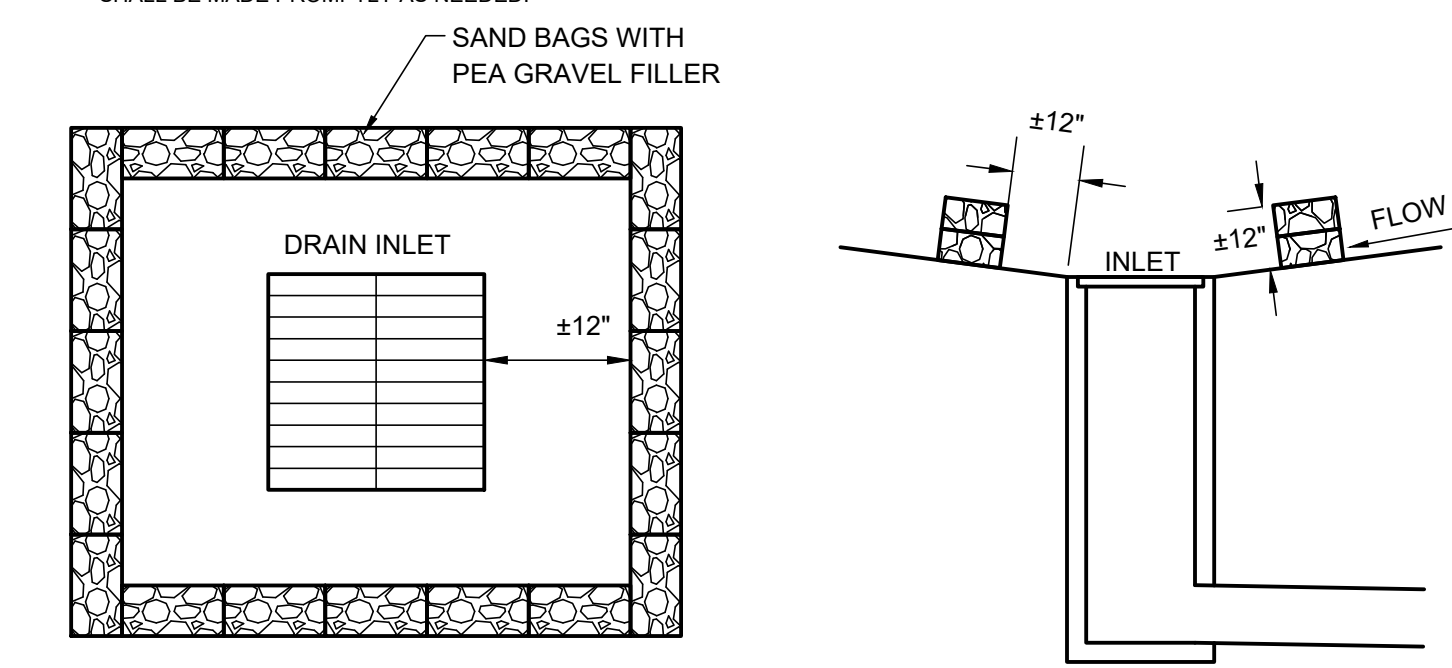
**GENERAL NOTES**

1. TEMPORARY CONCRETE WASHOUT FACILITY SHOULD BE CONSTRUCTED WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
2. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, AND OTHER DEFECTS THAT MAY COMPROMISE THE FUNCTION OF THE MATERIAL.
3. WHEN CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF.
4. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF.
5. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE CONCRETE WASHOUT PIT SHOULD BE BACKFILLED AND REPAIRED.

**CONCRETE WASHOUT PIT DETAIL**

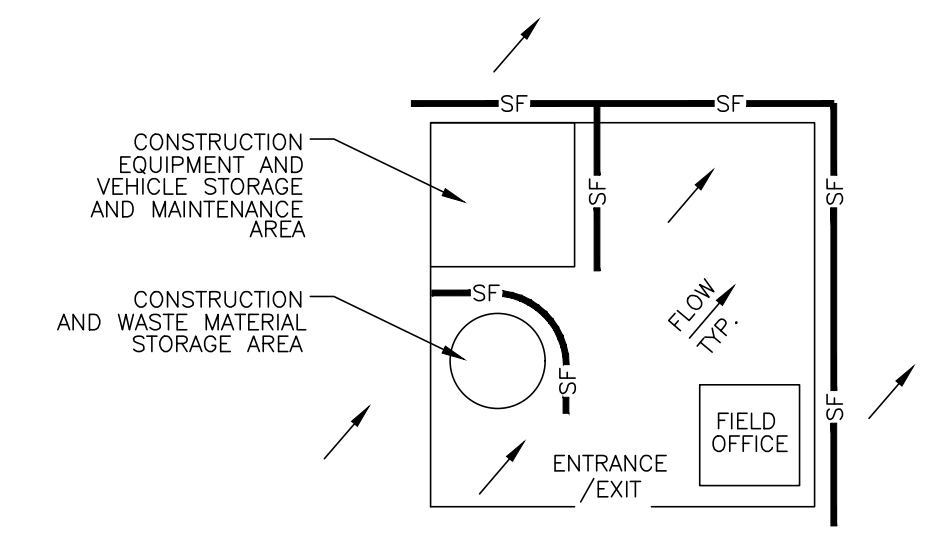
NOT TO SCALE

- GENERAL NOTES**
1. THE SANDBAGS SHALL BE FILLED WITH WASHED PEA GRAVEL AND STACKED TO FORM A CONTINUOUS BARRIER APPROX. 12" HIGH AROUND INLETS.
  2. THE SANDBAGS SHALL BE PLACED AGAINST EACH OTHER TO PREVENT RUNOFF FROM FLOWING IN BETWEEN INDIVIDUAL BAGS. FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF THE FLOW.
  3. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL. CONTRACTOR IS RESPONSIBLE FOR REPAIRS AS REQUIRED.
  4. REMOVE SEDIMENT WHEN BUILDUP REACHES 3 INCHES. REMOVED SEDIMENT SHOULD BE DISPOSED OF IN A SUITABLE AREA ACCORDING EPA AND LOCAL REGULATIONS.
  5. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.



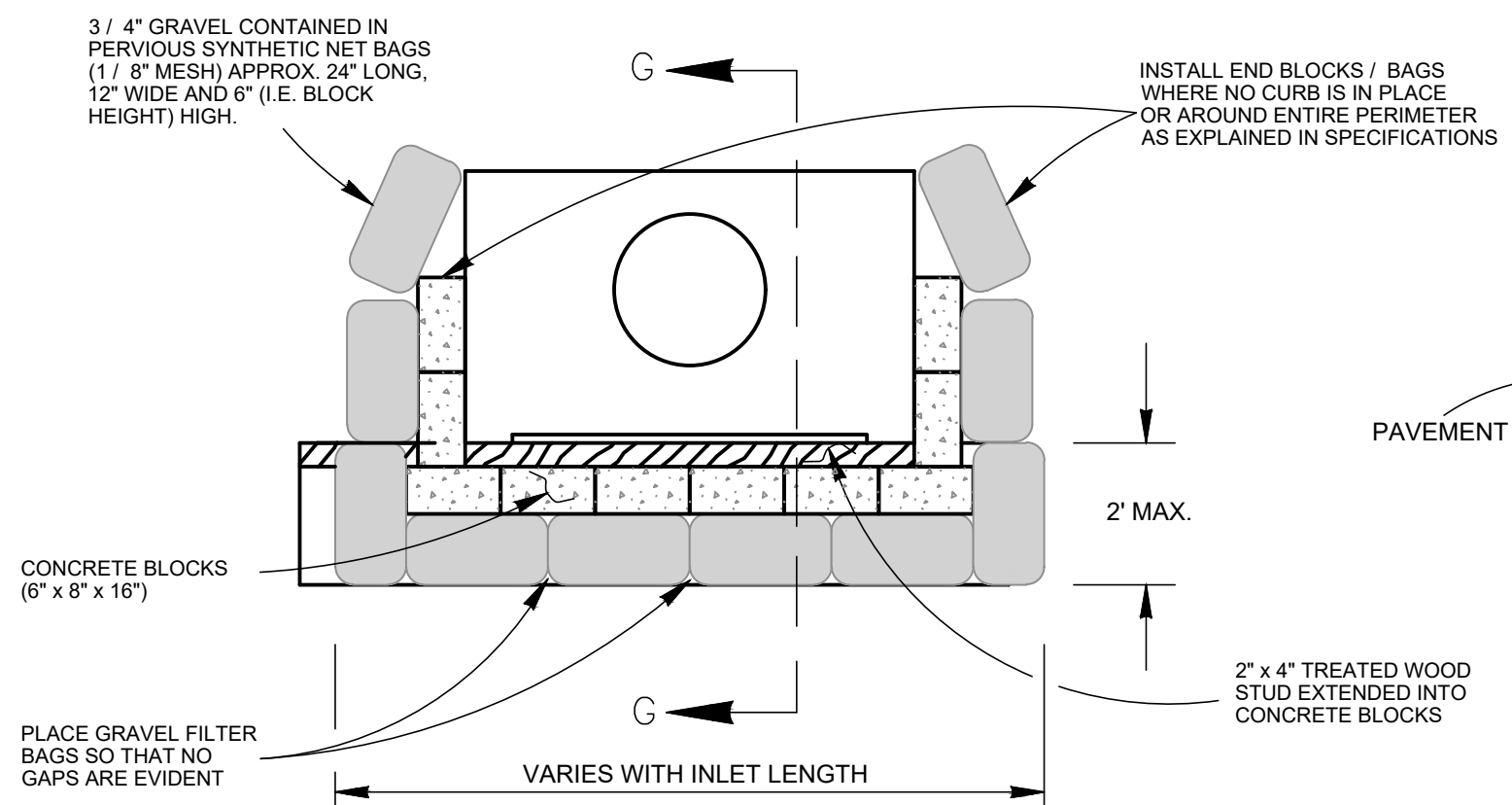
**GRAVEL FILTER BAG GRATE INLET PROTECTION (G.F.B.)**

NOT TO SCALE

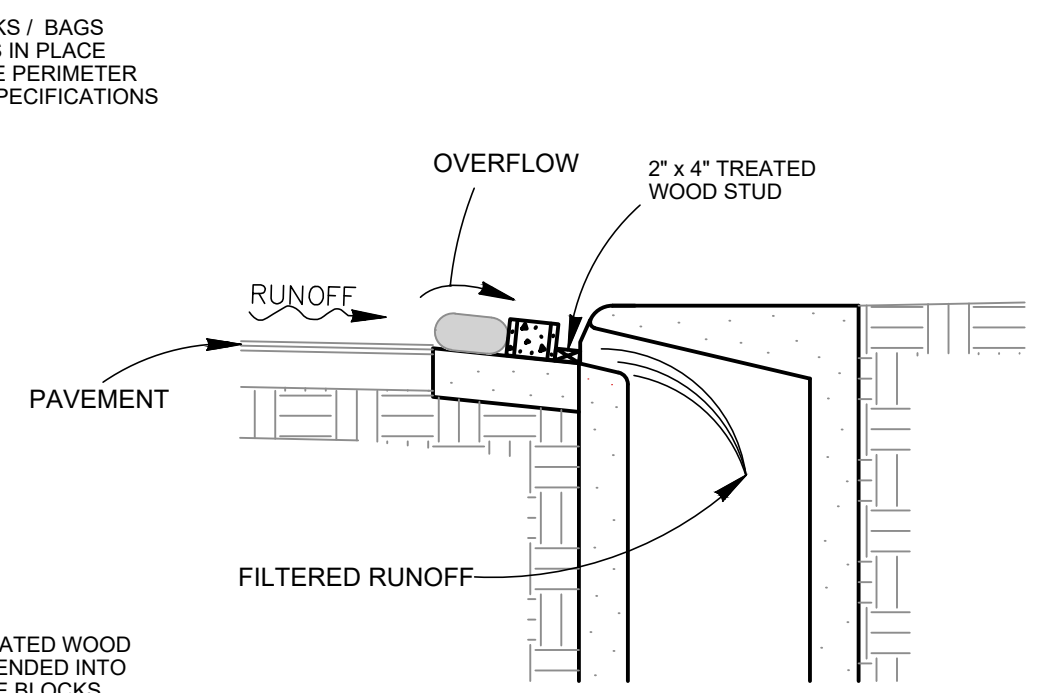


**CONSTRUCTION STAGING AREA**

NOT TO SCALE



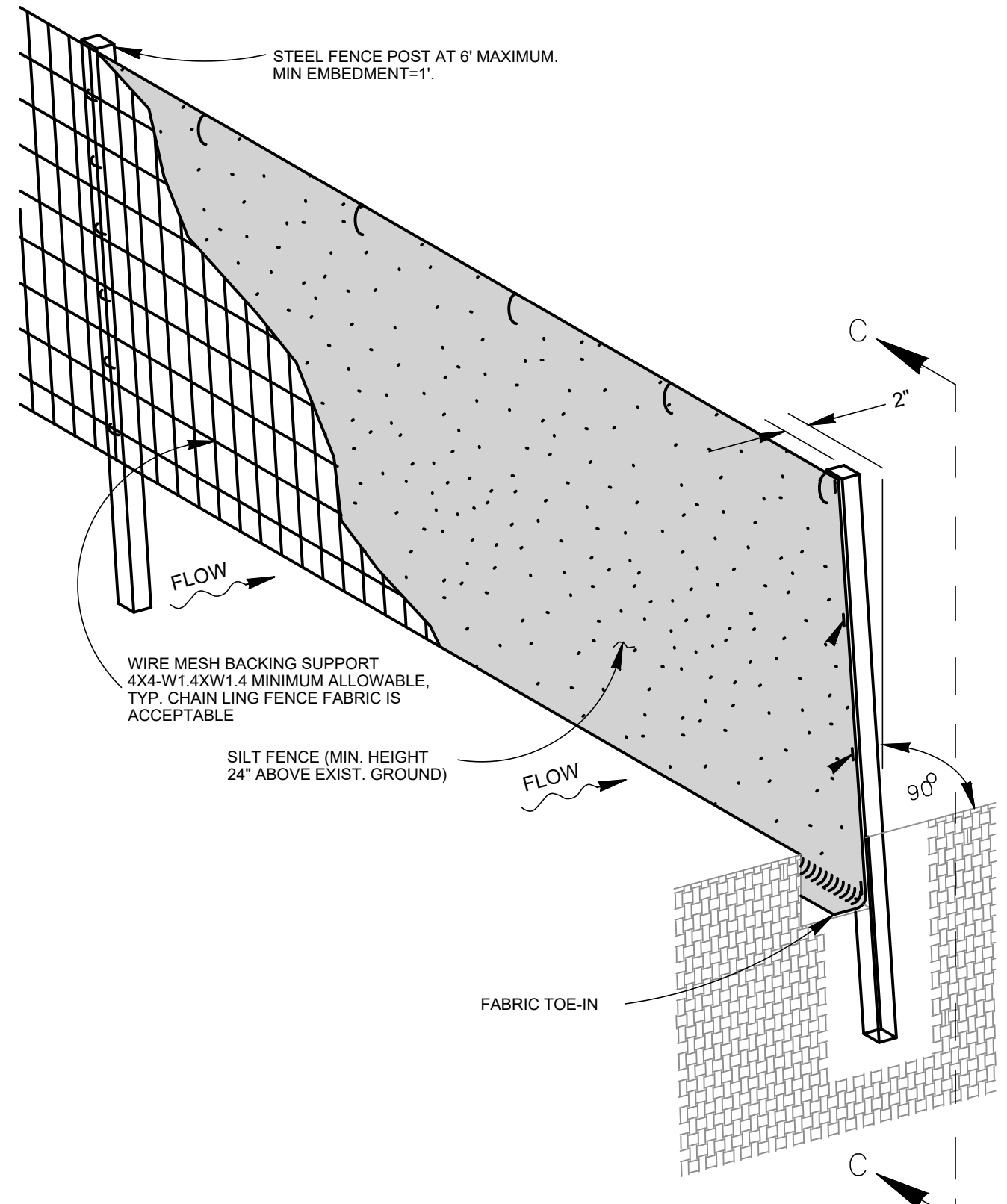
**PLAN**  
SCALE: 1" = 5'



**SECTION G-G**  
SCALE: 1" = 5'

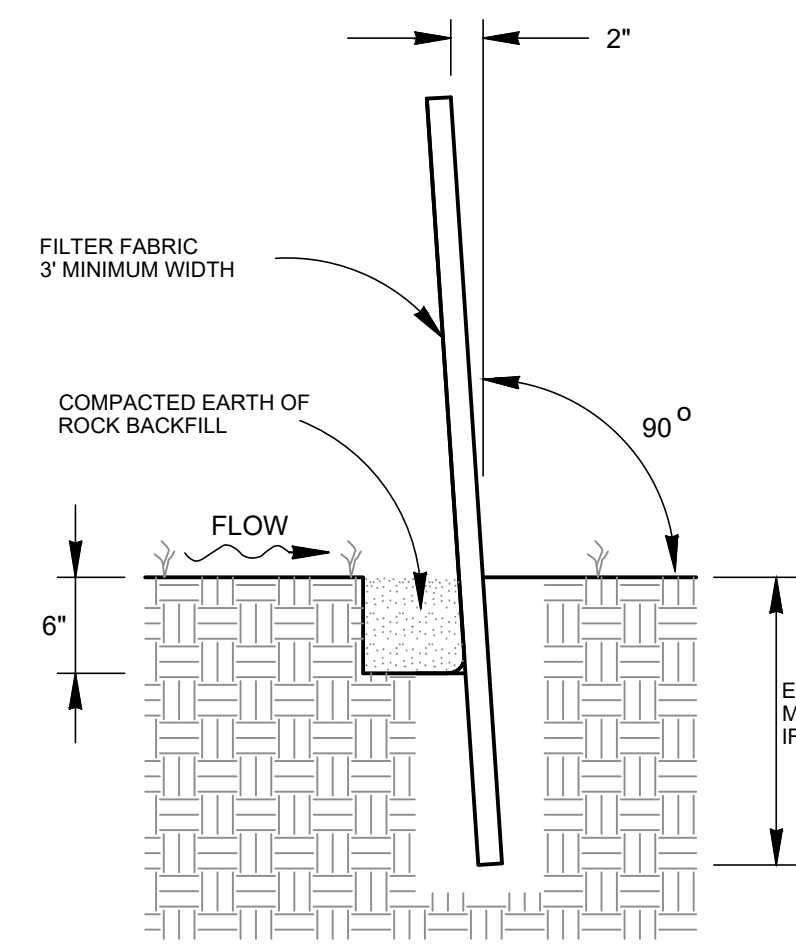
**CURB INLET GRAVEL FILTER**

NOT TO SCALE



**ISOMETRIC VIEW**

SCALE: 1" = 2'



**SECTION C-C**

**TEMPORARY SEDIMENT CONTROL FENCE**

NOT TO SCALE

**MATERIALS:**

1. SILT FENCE MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE WOVEN OR NONWOVEN FABRIC. THE FABRIC WIDTH SHOULD BE 36 INCHES, WITH A MINIMUM UNIT WEIGHT OF 4.5 OZ/YD, MULLEN BURST STRENGTH EXCEEDING 190 LB/IN<sup>2</sup>, ULTRAVIOLET STABILITY EXCEEDING 70%, AND MINIMUM APPARENT OPENING SIZE OF U.S. SIEVE NO. 30.
2. FENCE POSTS SHOULD BE MADE OF HOT ROLLED STEEL, AT LEAST 4 FEET LONG WITH TEE OR Y-BAR CROSS SECTION, SURFACE PAINTED OR GALVANIZED, MINIMUM NOMINAL WEIGHT 1.25 LB/FT<sup>2</sup>, AND BRINELL HARDNESS EXCEEDING 140.
3. WOVEN WIRE BACKING TO SUPPORT THE FABRIC SHOULD BE GALVANIZED 2" X 4" WELDED WIRE, 12 GAUGE MINIMUM.

**INSTALLATION**

1. STEEL POSTS, WHICH SUPPORT THE SILT FENCE, SHOULD BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 1-FOOT DEEP AND SPACED NOT MORE THAN 8 FEET ON CENTER. WHERE WATER CONCENTRATES, THE MAXIMUM SPACING SHOULD BE 6 FEET.
2. LAY OUT FENCING DOWN-SLOPE OF DISTURBED AREA, FOLLOWING THE CONTOUR AS CLOSELY AS POSSIBLE. THE FENCE SHOULD BE SITED SO THAT THE MAXIMUM DRAINAGE AREA IS 1/2 ACRE/100 FEET OF FENCE.
3. THE TOE OF THE SILT FENCE SHOULD BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN-SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G., PAVEMENT OR ROCK OUTCROPS), WEIGHT FABRIC FLAP WITH 3 INCHES OF PEA GRAVEL ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
4. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
5. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHOULD BE A 3-FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
6. SILT FENCE SHOULD BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

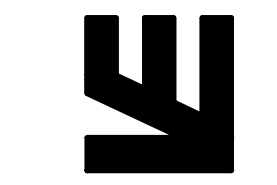
**INSPECTION AND MAINTENANCE**

1. INSPECT ALL FENCING WEEKLY, AND AFTER ANY RAINFALL.
2. REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES.
3. REPLACE ANY TORN FABRIC OR INSTALL A SECOND LINE OF FENCING PARALLEL TO THE TORN SECTION.
4. REPLACE OR REPAIR ANY SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY. IF A SECTION OF FENCE IS OBSTRUCTING VEHICULAR ACCESS, CONSIDER RELOCATING IT TO A SPOT WHERE IT WILL PROVIDE EQUAL PROTECTION, BUT WILL NOT OBSTRUCT VEHICLES. A TRIANGULAR FILTER DIKE MAY BE PREFERABLE TO A SILT FENCE AT COMMON VEHICLE ACCESS POINTS.
5. WHEN CONSTRUCTION IS COMPLETE, THE SEDIMENT SHOULD BE DISPOSED OF IN A MANNER THAT WILL NOT CAUSE ADDITIONAL SILTATION AND THE PRIOR LOCATION OF THE SILT FENCE SHOULD BE REVEGETATED. THE FENCE ITSELF SHOULD BE DISPOSED OF IN AN APPROVED LANDFILL.

REVISIONS:

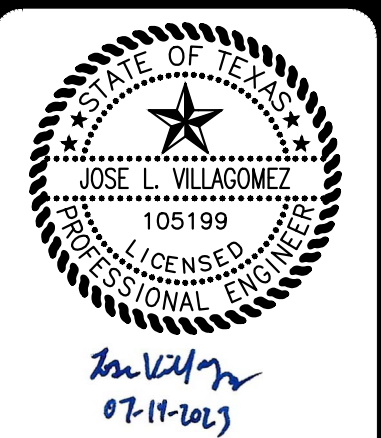
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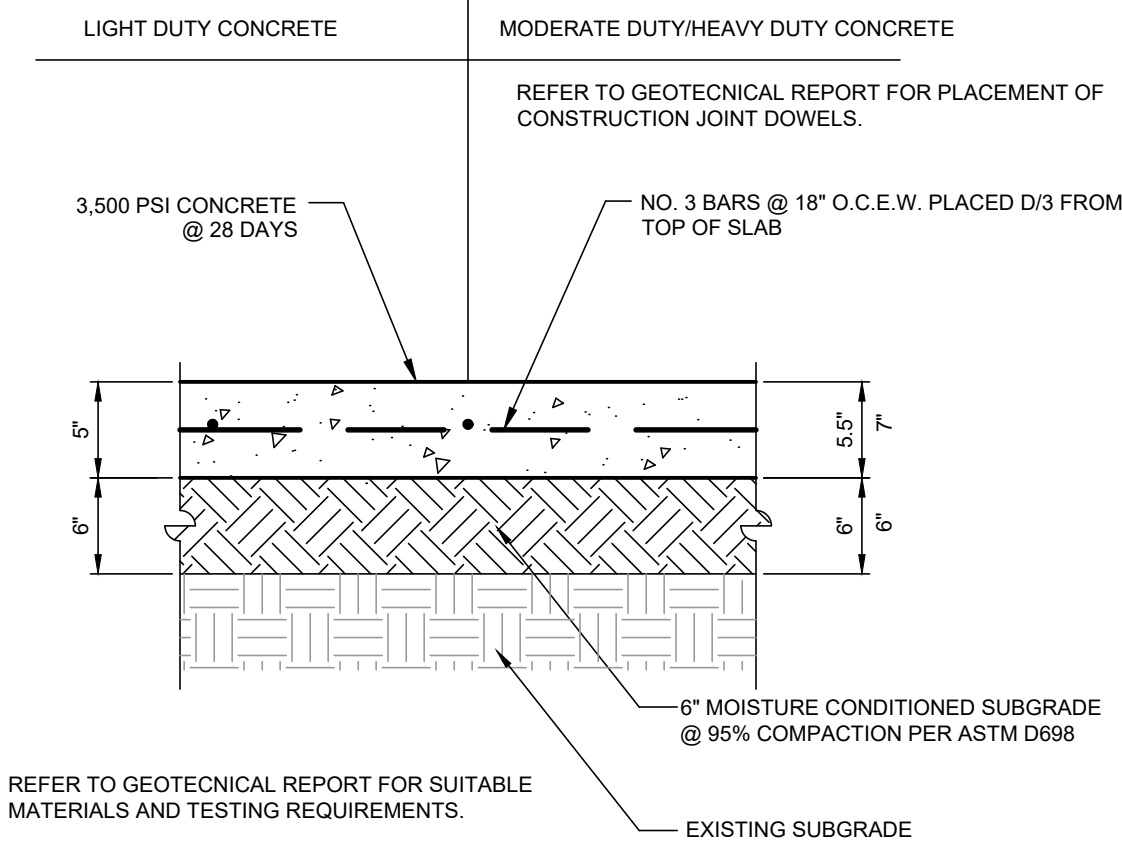
**GOLDEN CHICK RESTAURANT**  
**TALLEY ROAD**  
**SAN ANTONIO, TEXAS**  
**EROSION CONTROL DETAILS**



JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET **C8.2**

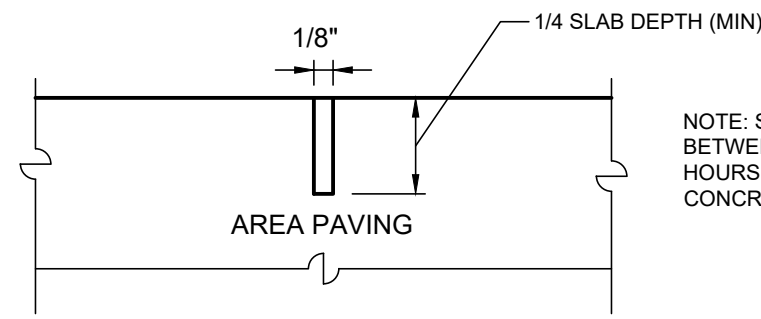


NOTE: MINIMUM PAVEMENT SECTION RECOMMENDATIONS PROVIDED BY THE GEOTECHNICAL REPORT FOR THIS PROJECT BY ECS SOUTHWEST, LLP, DATED APRIL 25, 2023. REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL DESIGN SPECIFICATIONS FOR THE PAVEMENT AND PAVEMENT SUBGRADE PREPARATION.

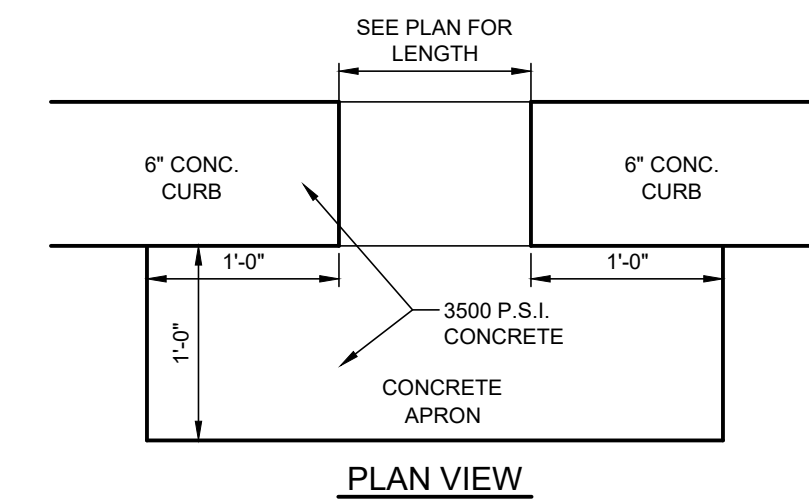
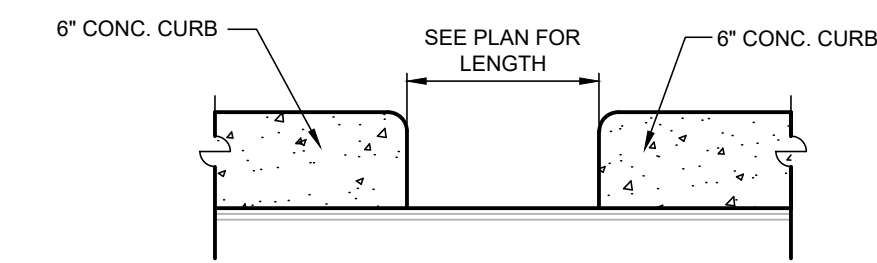
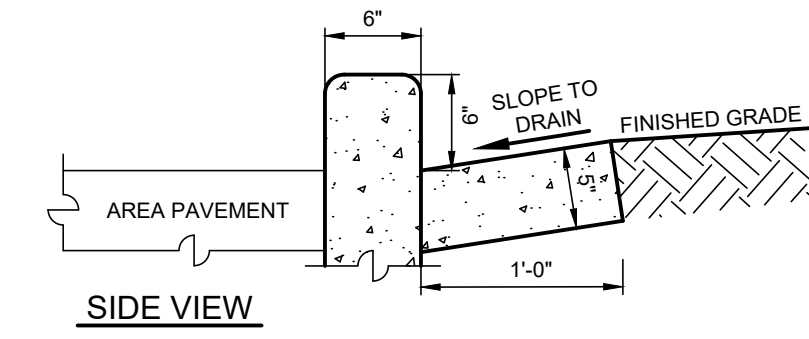
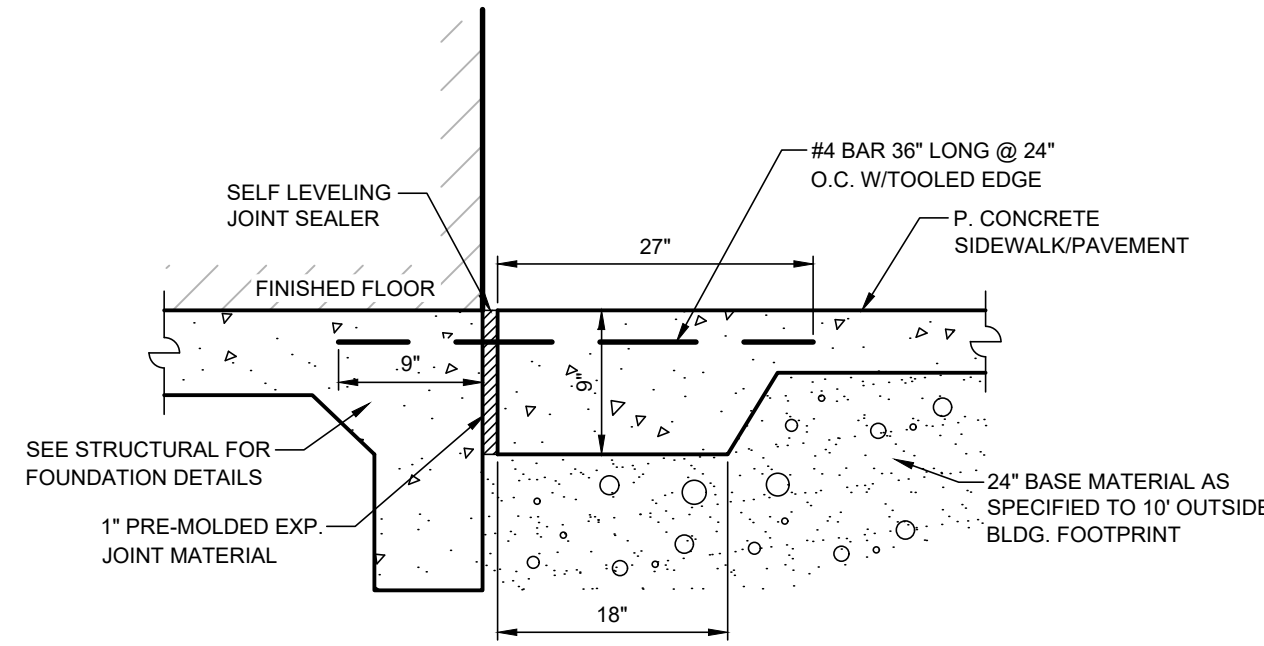


CONCRETE PAVEMENT JOINT NOTE:

CONTROL JOINTS SHOWN @ 15' SPACING. EXPANSION JOINTS ONLY USED AT INTERFACE WITH EXISTING CONCRETE GUTTER AT DRIVEWAY.



NOTE: SAW CUT JOINTS BETWEEN 18 AND 30 HOURS AFTER CONCRETE POUR.



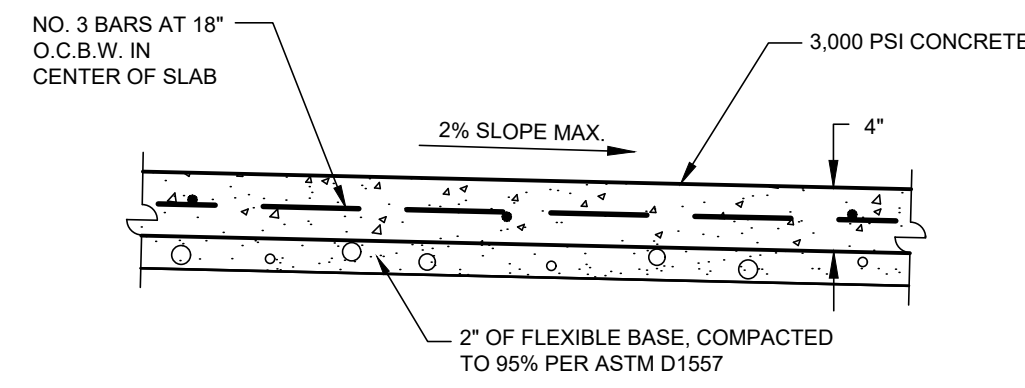
1 CONCRETE PAVEMENT NOT TO SCALE

2 CONTROL JOINT DETAIL NOT TO SCALE

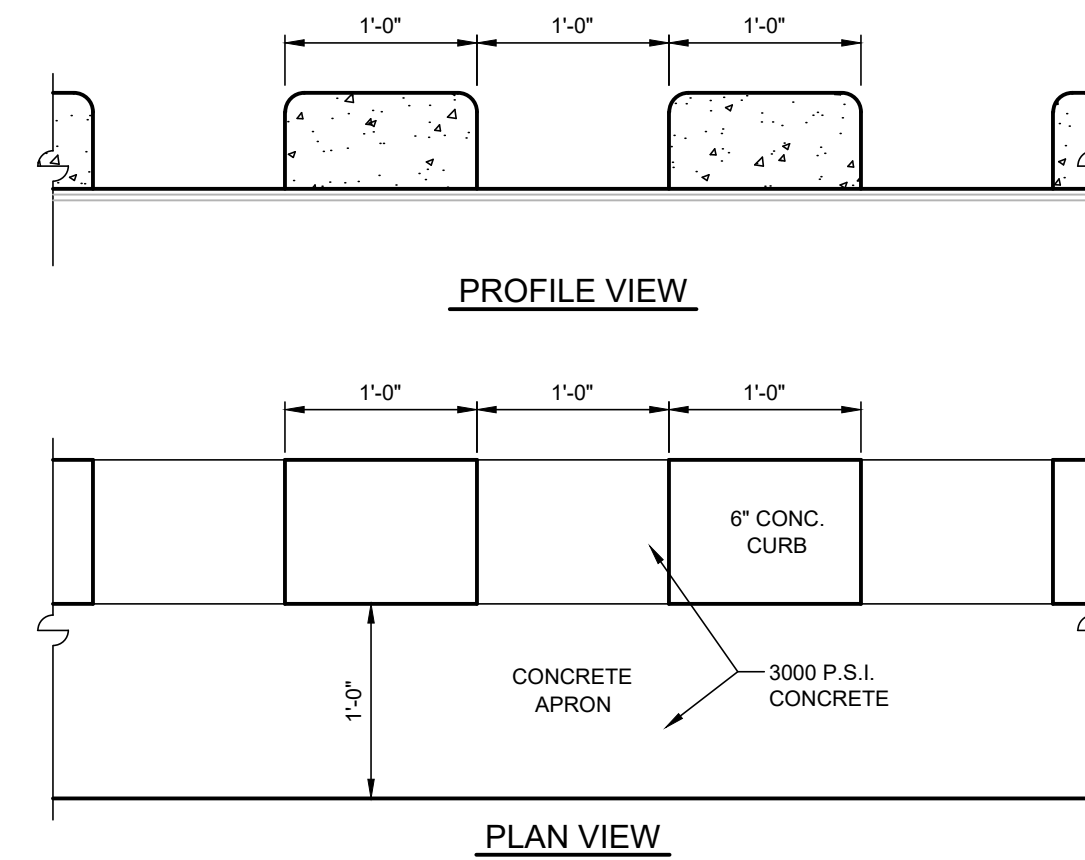
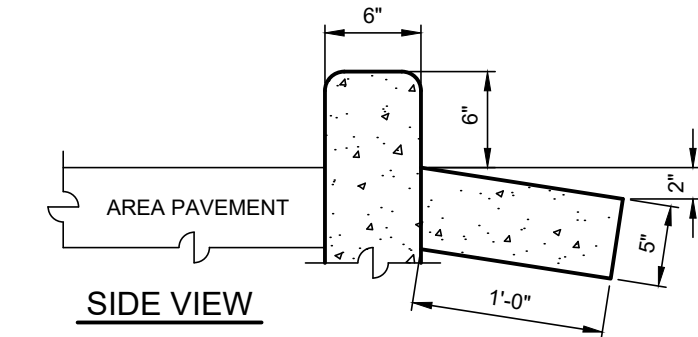
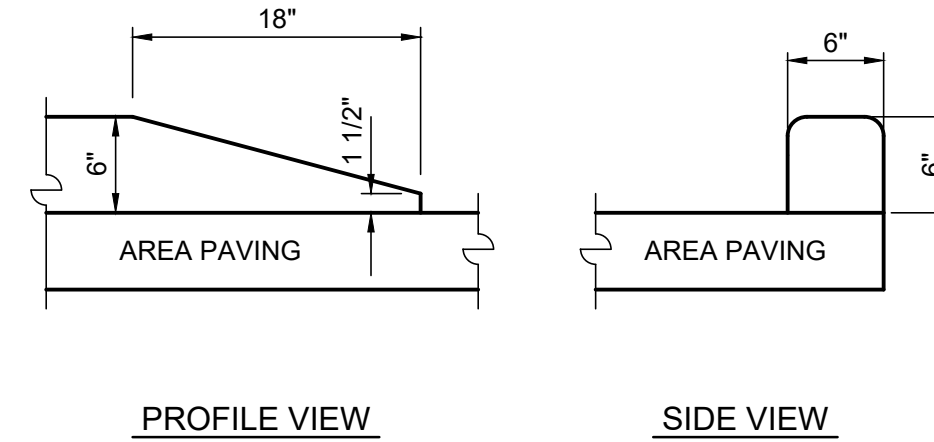
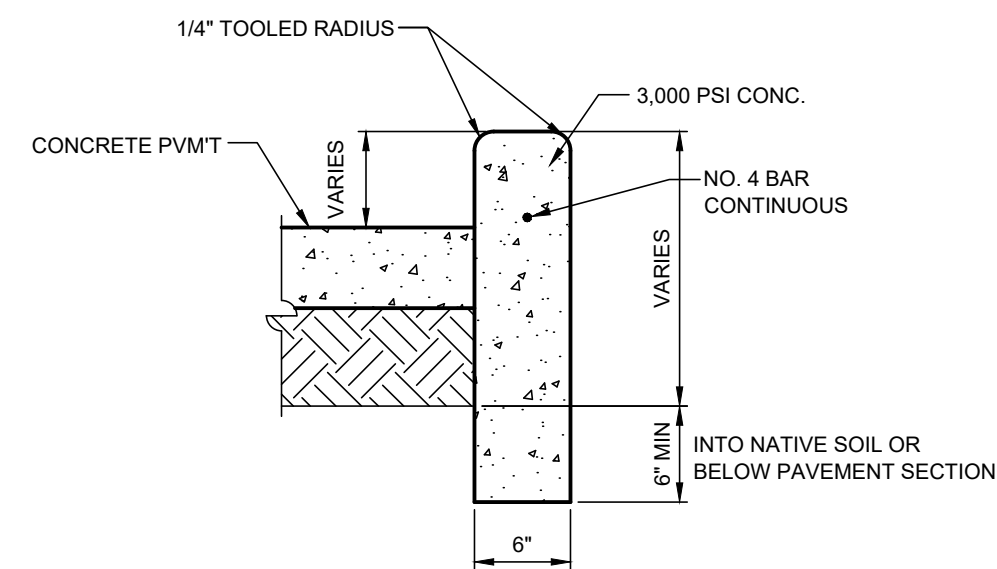
3 EXPANSION JOINT AT BUILDING NOT TO SCALE

4 CURB CUT W/CONCRETE APRON NOT TO SCALE

NOTE: SAW/TOOL JOINTS 5'-0\"/>



NOTE: SAW JOINTS 10' ON CENTER AND EXP. JOINTS AT 40' ON CENTER. WHERE CURB ABUTS SIDEWALK JOINTS SHALL MATCH.

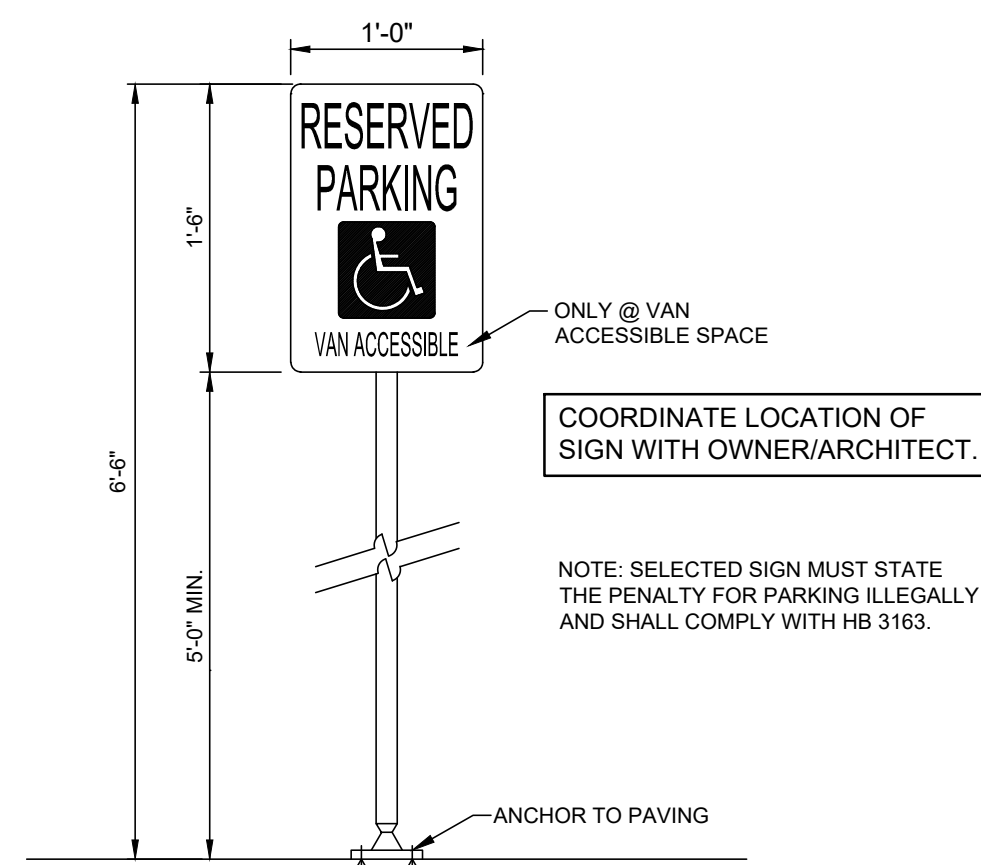
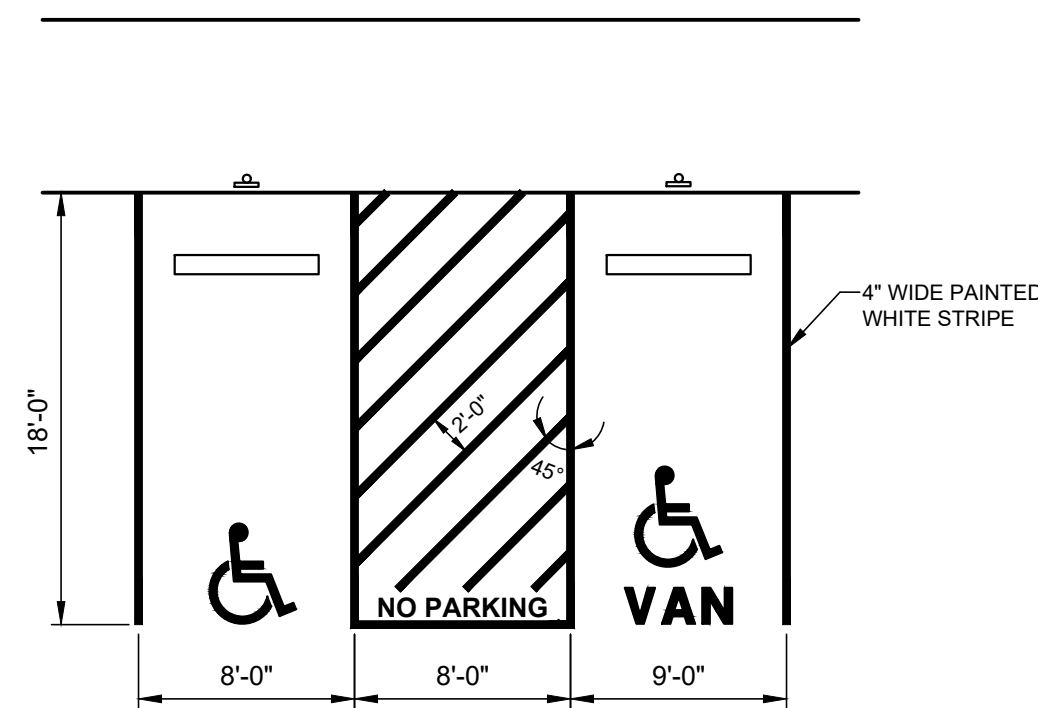


5 CONCRETE SIDEWALK NOT TO SCALE

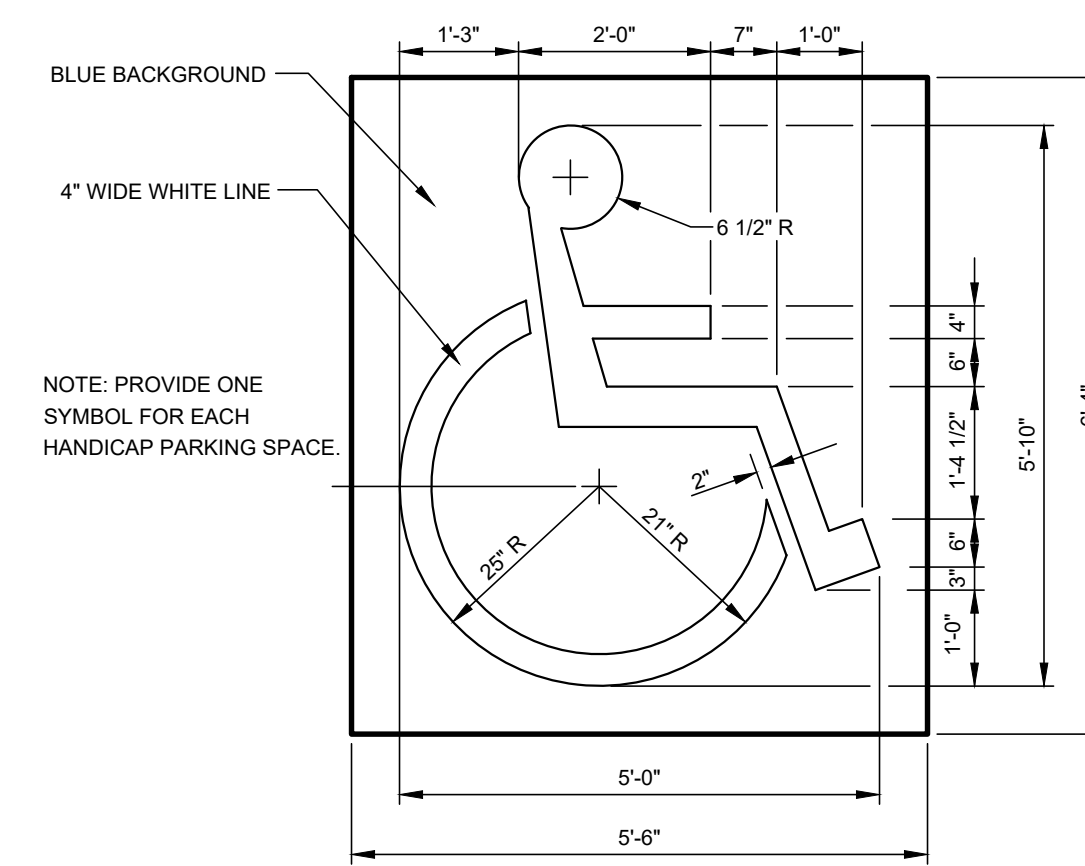
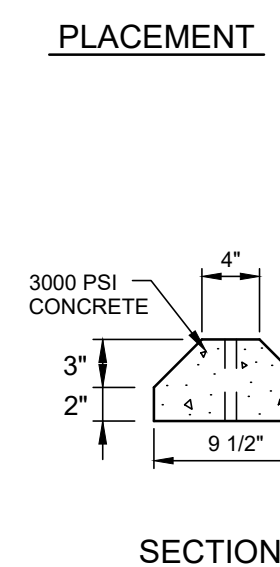
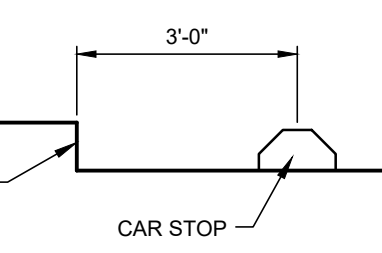
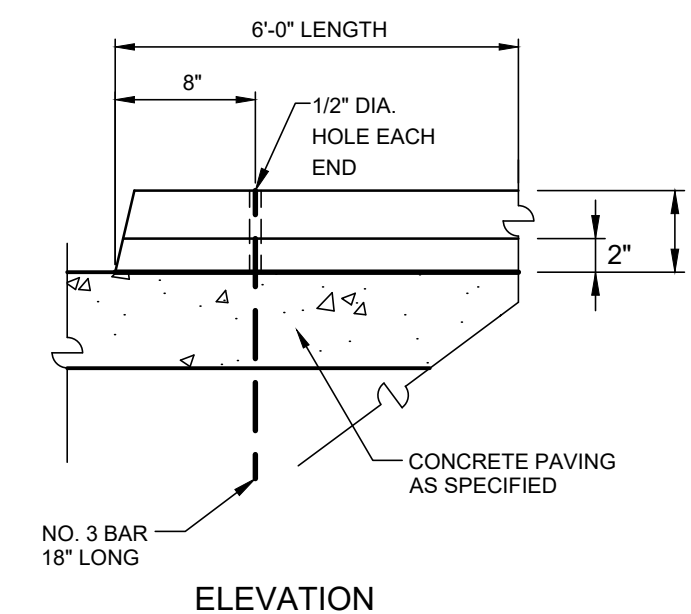
6 RAISED CURB NOT TO SCALE

7 CURB TERMINAL NOT TO SCALE

8 SAWTOOTH CURB W/ CONCRETE APRON NOT TO SCALE



NOTE: PLACE CAR STOP PARALLEL TO SITE CURB OR END OF STRIPED PARKING STALL CENTERED WITHIN THE STALL.



9 ACCESSIBLE PARKING NOT TO SCALE

10 RESERVED PARKING SIGN NOT TO SCALE

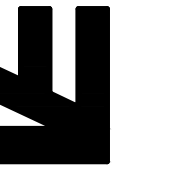
11 CAR STOP NOT TO SCALE

12 PAINTED HANDICAP SYMBOL NOT TO SCALE

REVISIONS:

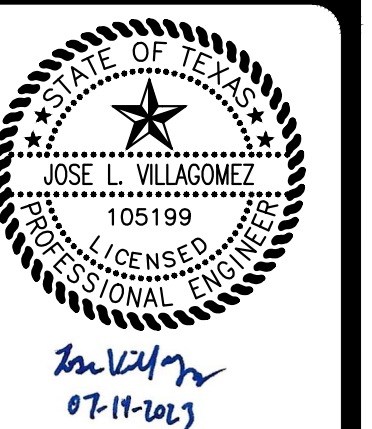
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GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
CIVIL DETAILS



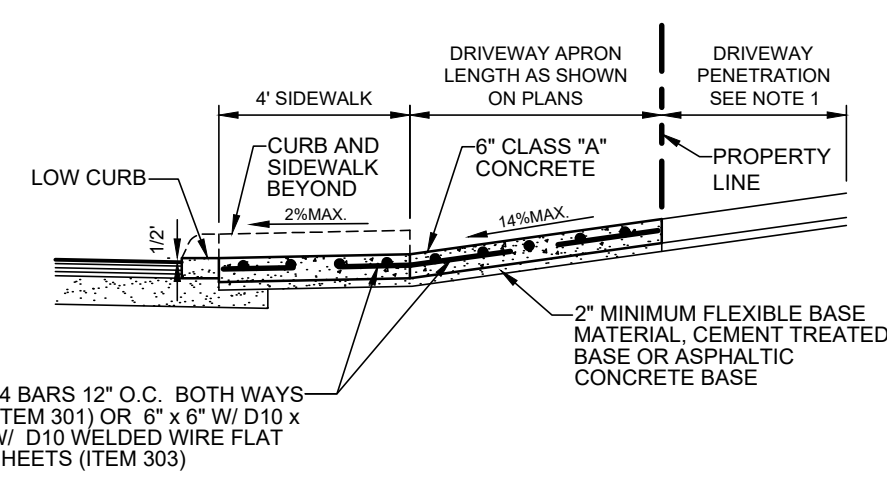
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DESIGNER TR  
DRAWN JS  
SHEET C9



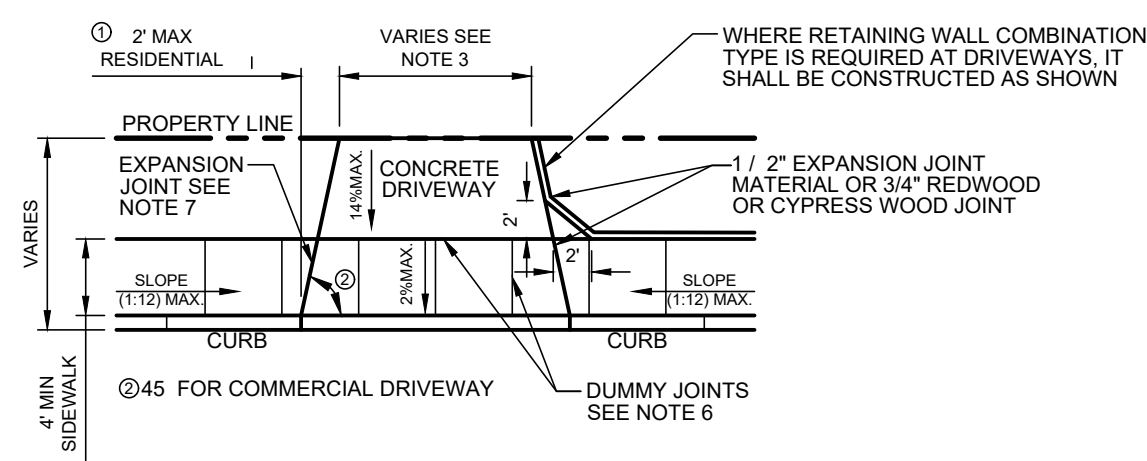
**CONCRETE DRIVEWAY NOTES**

- DRIVEWAY PENETRATION REFERS TO A PORTION OF THE DRIVEWAY THAT MAY BE NECESSARY TO RECONSTRUCT WITHIN PRIVATE PROPERTY TO COMPLY WITH A MAXIMUM DRIVEWAY SLOPE. THIS PORTION OF THE DRIVEWAY SHALL BE PAID FOR UNDER THE FOLLOWING ITEMS AS MAY APPLY:  
 A) CONCRETE DRIVEWAY PAID FOR UNDER ITEM NO. 503.1 OR 503.2  
 B) ASPHALTIC CONCRETE DRIVEWAY PAID FOR UNDER ITEM NO. 503.4 AND SHALL INCLUDE A MINIMUM OF 1" ASPHALT TYPE "C" & 6" FLEXIBLE BASE  
 C) GRAVEL DRIVEWAY PAID FOR UNDER ITEM NO. 503.5 AND SHALL INCLUDE A MINIMUM OF 6" FLEXIBLE BASE
- 7" MINIMUM HEIGHT WILL NOT NECESSARILY OCCUR AT THE PROPERTY LINE. IT MAY OCCUR WITHIN THE RIGHT OF WAY OR WITHIN THE DRIVEWAY PENETRATION ON PRIVATE PROPERTY.
- THE PROPOSED DRIVEWAY SHOULD MATCH THE EXISTING WIDTH AT THE PROPERTY LINE BUT UNLESS AUTHORIZED BY THE CITY TRAFFIC ENGINEER, THE WIDTH SHALL BE WITHIN THE FOLLOWING VALUES:  

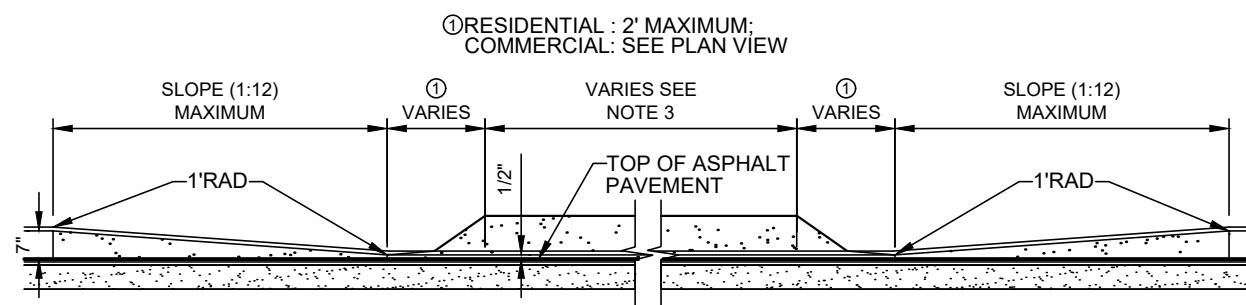
TYPE	MINIMUM	MAXIMUM
RESIDENTIAL	10'	20'
COMMERCIAL - ONE WAY	12'	20'
COMMERCIAL - TWO WAY	24'	30'
- FOR LOCAL TYPE "A" STREETS, SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 4' AND IF SEPARATED FROM THE CURB, THE SIDEWALK SHALL BE LOCATED A MINIMUM OF 2' FROM THE BACK OF CURB.
- FOR OTHER THAN LOCAL TYPE "A" STREETS, THE SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 4' AND SEPARATED A MINIMUM OF 2' FROM THE BACK OF CURB OR AS AN OPTION, THE SIDEWALK SHALL HAVE A MINIMUM WIDTH OF 6' WHEN LOCATED AT THE BACK OF CURB.
- DUMMY JOINTS PARALLEL TO THE CURB SHALL BE PLACED WHERE THE SIDEWALK MEETS THE DRIVEWAY. DUMMY JOINTS PERPENDICULAR TO THE CURB AND WITHIN THE BOUNDARIES OF THE PARALLEL DUMMY JOINTS, SHALL BE PLACED AT INTERVALS EQUAL TO THE WIDTH OF THE SIDEWALK.
- A MINIMUM OF TWO ROUND AND SMOOTH DOVEL BARS 3/8" IN DIAMETER AND 18" IN LENGTH SHALL BE SPACED 18" APART AT EACH EXPANSION JOINT.
- SIDEWALK RAMP LENGTHS SHALL BE OF SUFFICIENT LENGTH TO MAINTAIN 8.33% (1:12) MAXIMUM SLOPE, WHERE SIDEWALKS CROSS DRIVEWAYS. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
- SIDEWALK RAMP SURFACE SHALL BE BRUSH FINISHED.



**TYPICAL COMMERCIAL DRIVEWAY SECTION WITH SIDEWALK ABUTTING CURB**

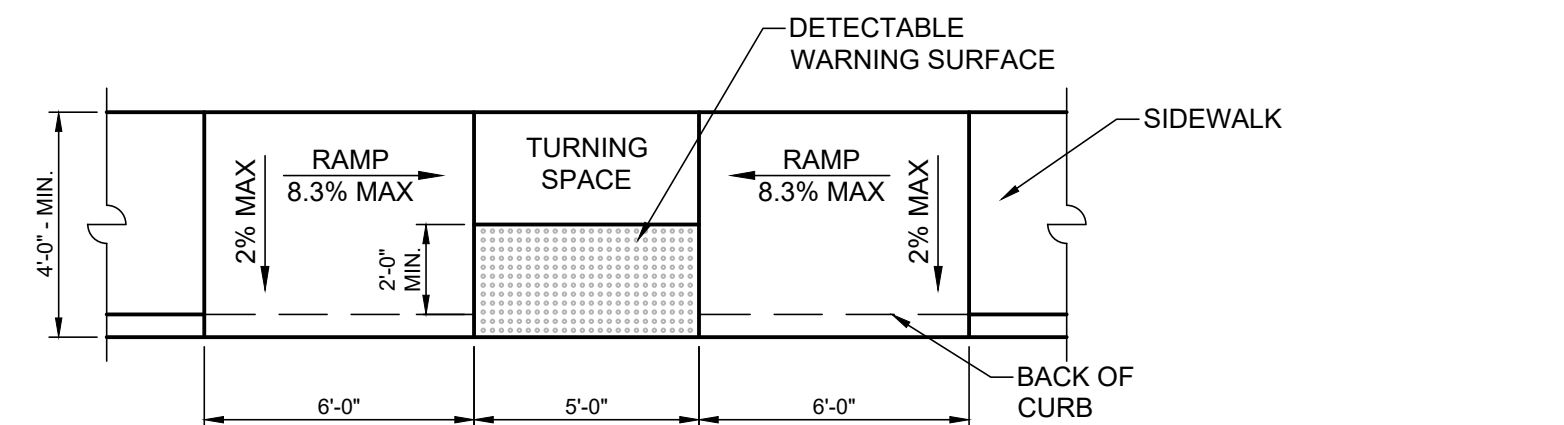


**TYPICAL DRIVEWAY PLAN VIEW WITH SIDEWALK ABUTTING CURB**

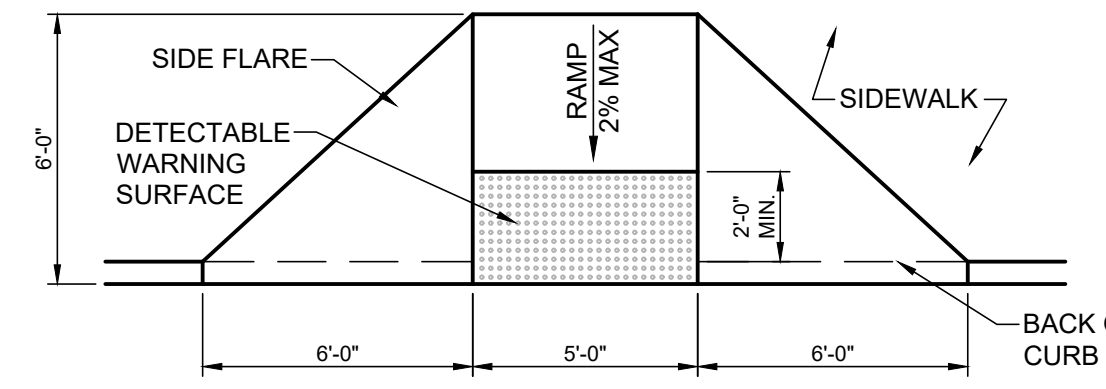


**CURB PROFILE AT DRIVEWAY WITH SIDEWALK ABUTTING CURB**

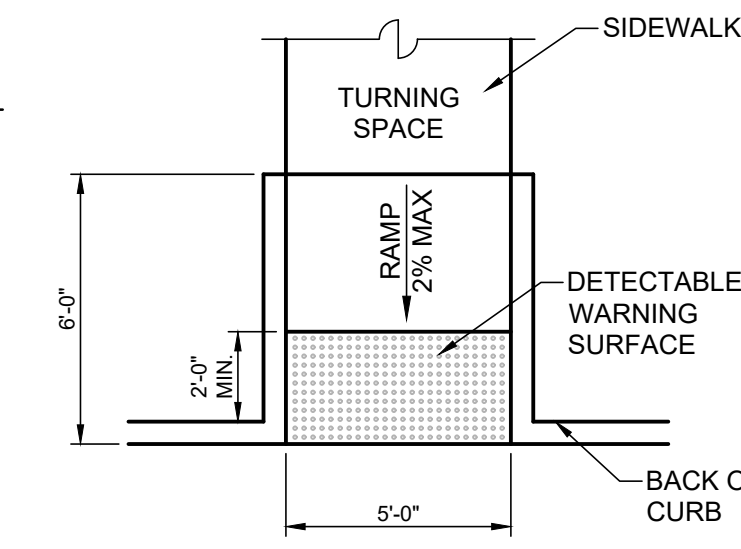
**1 C10 COMMERCIAL DRIVEWAY - SIDEWALK ABUTTING CURB NOT TO SCALE**



**PARALLEL CURB RAMP**

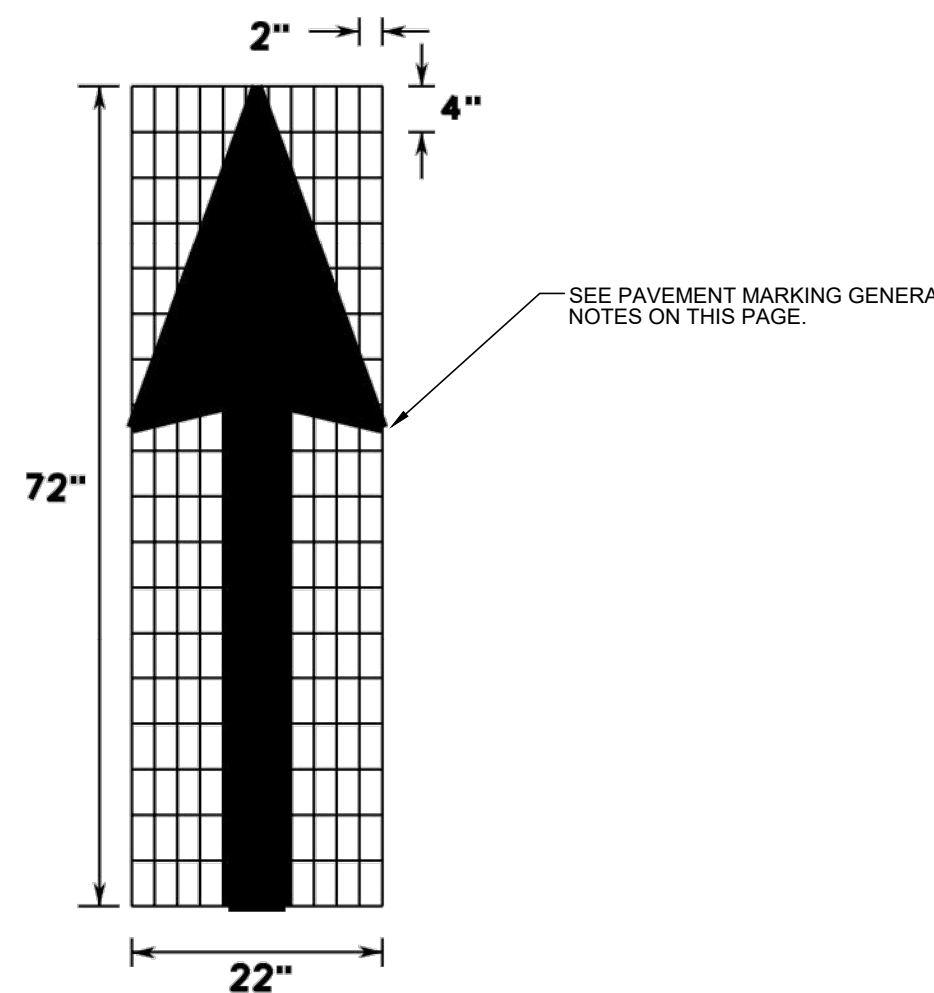


**PERPENDICULAR CURB RAMP**

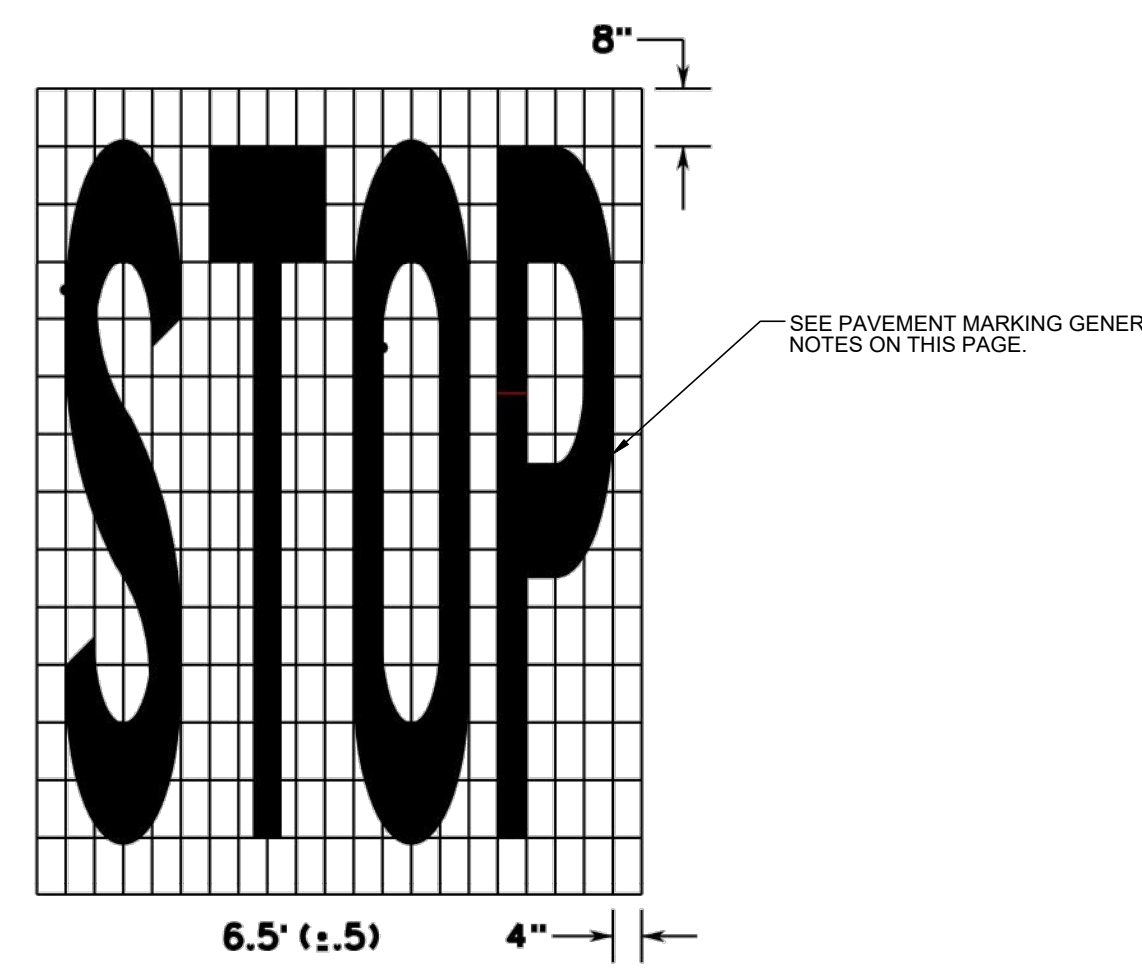


**DIRECTIONAL CURB RAMP**

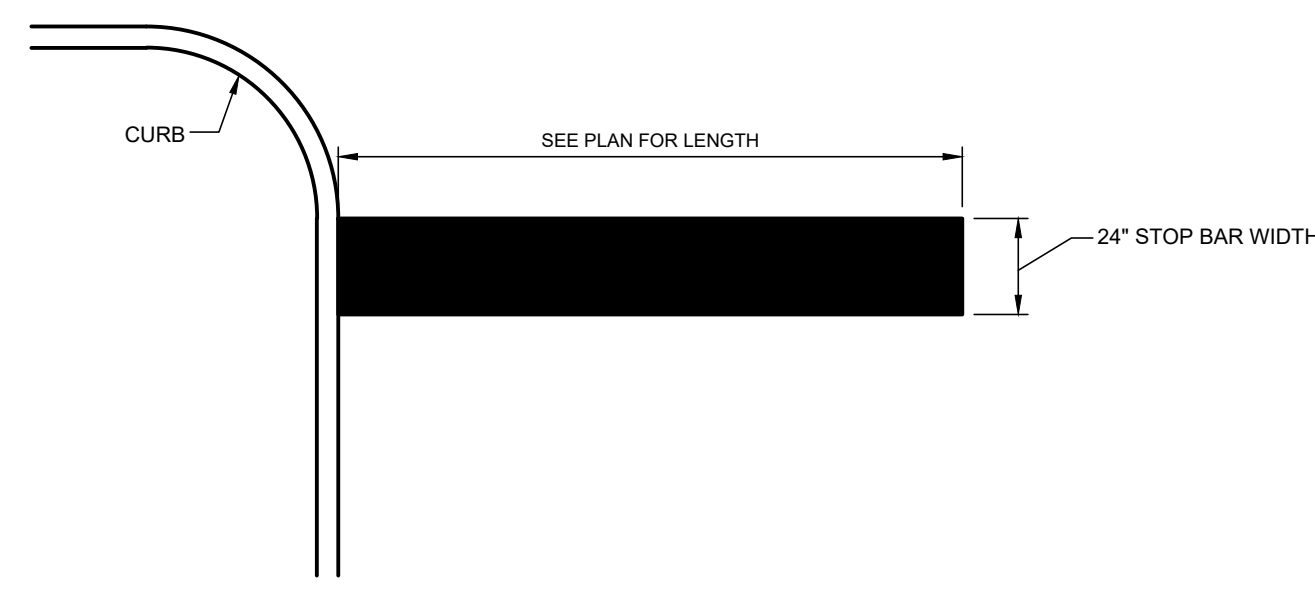
**2 C10 RAMP DETAILS NOT TO SCALE**



**3 C10 DIRECTIONAL ARROW - PAVEMENT MARKING NOT TO SCALE**



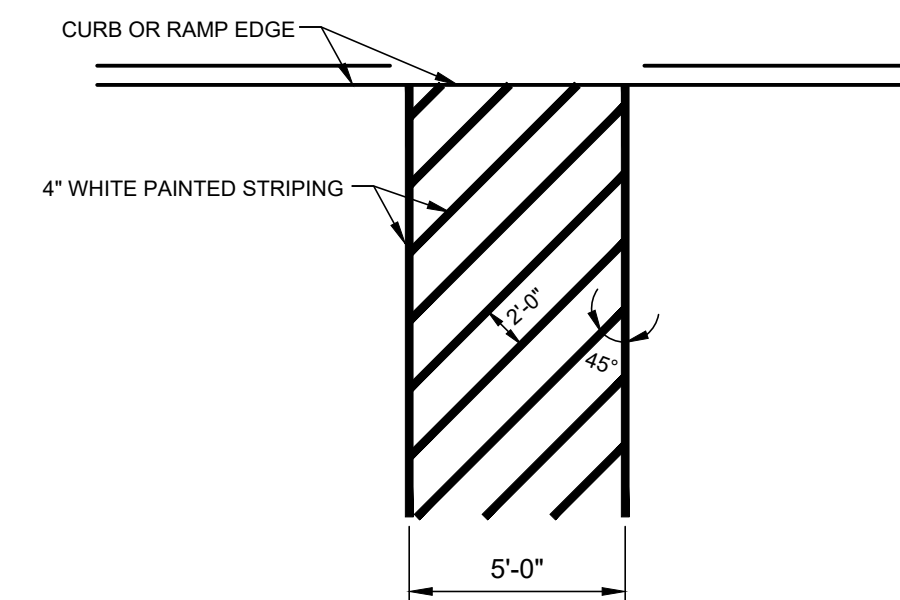
**4 C10 \"/>**



**5 C10 STOP LINE - PAVEMENT MARKING NOT TO SCALE**

**PAVEMENT MARKING GENERAL NOTES:**

- MINIMUM 8 FOOT WHITE MARKINGS SHALL BE USED, UNLESS OTHERWISE NOTED. IF MESSAGE CONSISTS OF MORE THAN ONE WORD, IT SHOULD BE PLACED WITH FIRST WORD NEAREST THE DRIVER.
- THESE DETAILS ARE STANDARD SIZE FOR NORMAL INSTALLATION. SIZES MAY BE REDUCED APPROXIMATELY ONE-THIRD DEPENDING ON CONDITIONS.
- THE LONGITUDINAL SPACE BETWEEN MARKINGS SHOULD BE 30 FEET.
- MARKINGS CONSIDERED APPROPRIATE FOR USE WHEN WARRANTED INCLUDE THE FOLLOWING:  
 A. REGULATORY  
 STOP  
 RIGHT (LEFT) TURN ONLY  
 25 MPH  
 SYMBOL ARROWS  
 B. WARNING  
 STOP AHEAD  
 SIGNAL AHEAD  
 SCHOOL  
 SCHOOL X-ING  
 PED X-ING  
 R X R (SEE RCPM DETAIL)  
 OTHER WORDS OR SYMBOLS MAY BE NECESSARY UNDER CERTAIN CONDITIONS
- UNCONTROLLED USE OF PAVEMENT MARKINGS CAN RESULT IN DRIVER CONFUSION. WORD AND SYMBOL MARKINGS SHOULD BE NO MORE THAN THREE LINES.
- THE WORD "STOP" SHALL NOT BE USED ON THE PAVEMENT UNLESS ACCOMPANIED BY A STOP LINE AND STOP SIGN. THE WORD "STOP" SHALL NOT BE PLACED ON THE PAVEMENT IN ADVANCE TO A STOP LINE, UNLESS EVERY VEHICLE IS REQUIRED TO STOP AT ALL TIMES.
- PAVEMENT MARKINGS SHOULD GENERALLY BE NO MORE THAN ONE LANE IN WIDTH, WITH SCHOOL MESSAGES BEING THE EXCEPTION. FOR DETAILS OF SCHOOL AND SCHOOL CROSSING PAVEMENT MARKINGS, REFER TO PART VII OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- SPACING BETWEEN LETTERS SHOULD BE APPROXIMATELY 4 INCHES. THE WIDTH OF LETTERS MAY VARY DEPENDING ON THE WIDTH OF THE TRAVEL LANES.
- LANE-USE ARROW MARKINGS MAY BE USED TO CONVEY EITHER GUIDANCE OR MANDATORY MESSAGES. ARROWS USED TO CONVEY A MANDATORY MOVEMENT MUST BE ACCOMPANIED BY STANDARD SIGNS AND THE PAVEMENT MARKING WORD "ONLY".
- PAVEMENT MARKINGS ARE TO BE LOCATED AS SPECIFIED ELSEWHERE IN THE PLANS.



**6 C10 ADA ACCESSIBLE ROUTE STRIPING NOT TO SCALE**

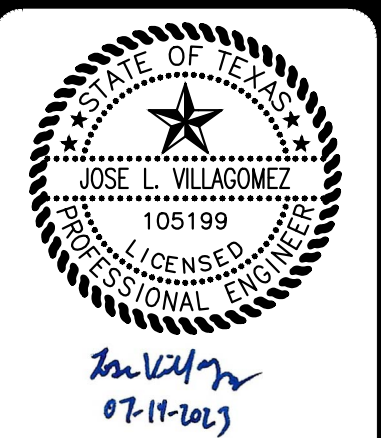
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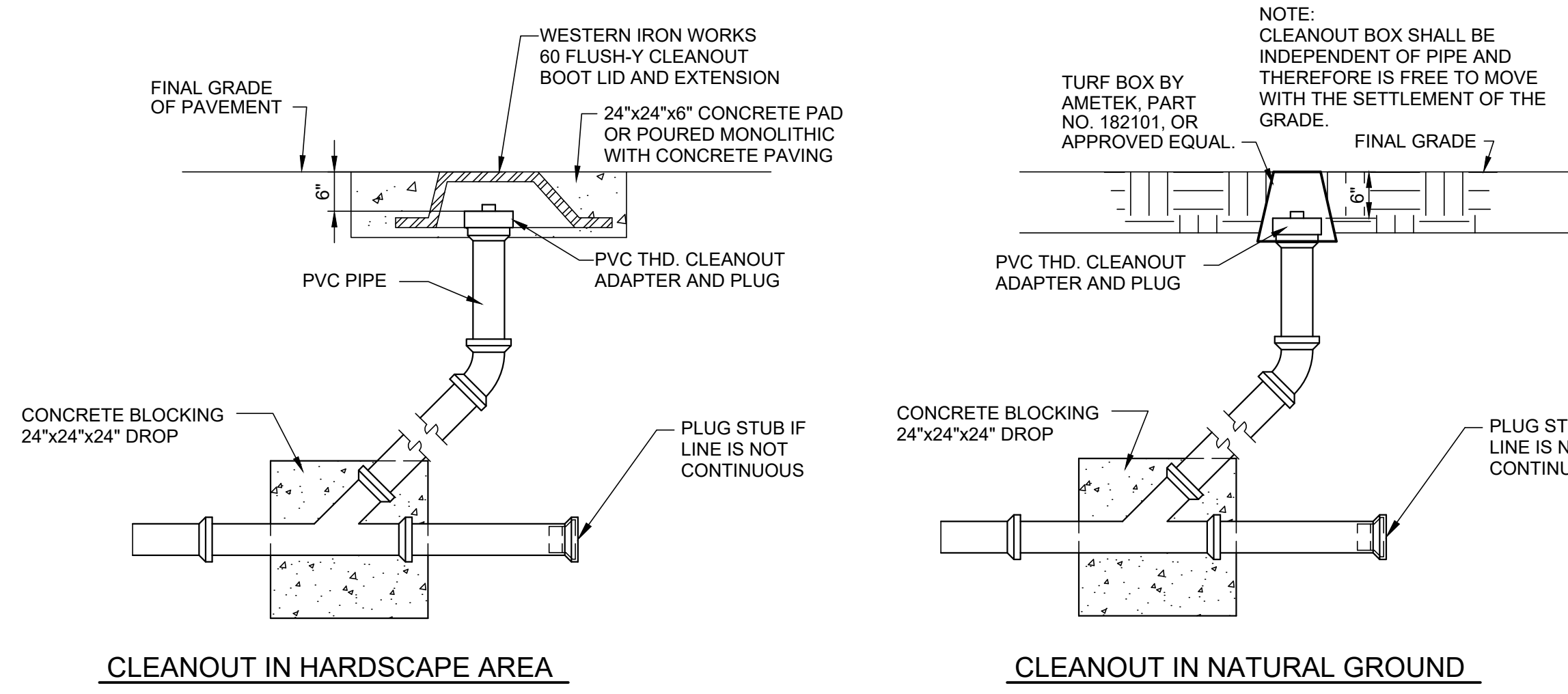
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**GOLDEN CHICK RESTAURANT**  
**TALLEY ROAD**  
**SAN ANTONIO, TEXAS**  
**CIVIL DETAILS**



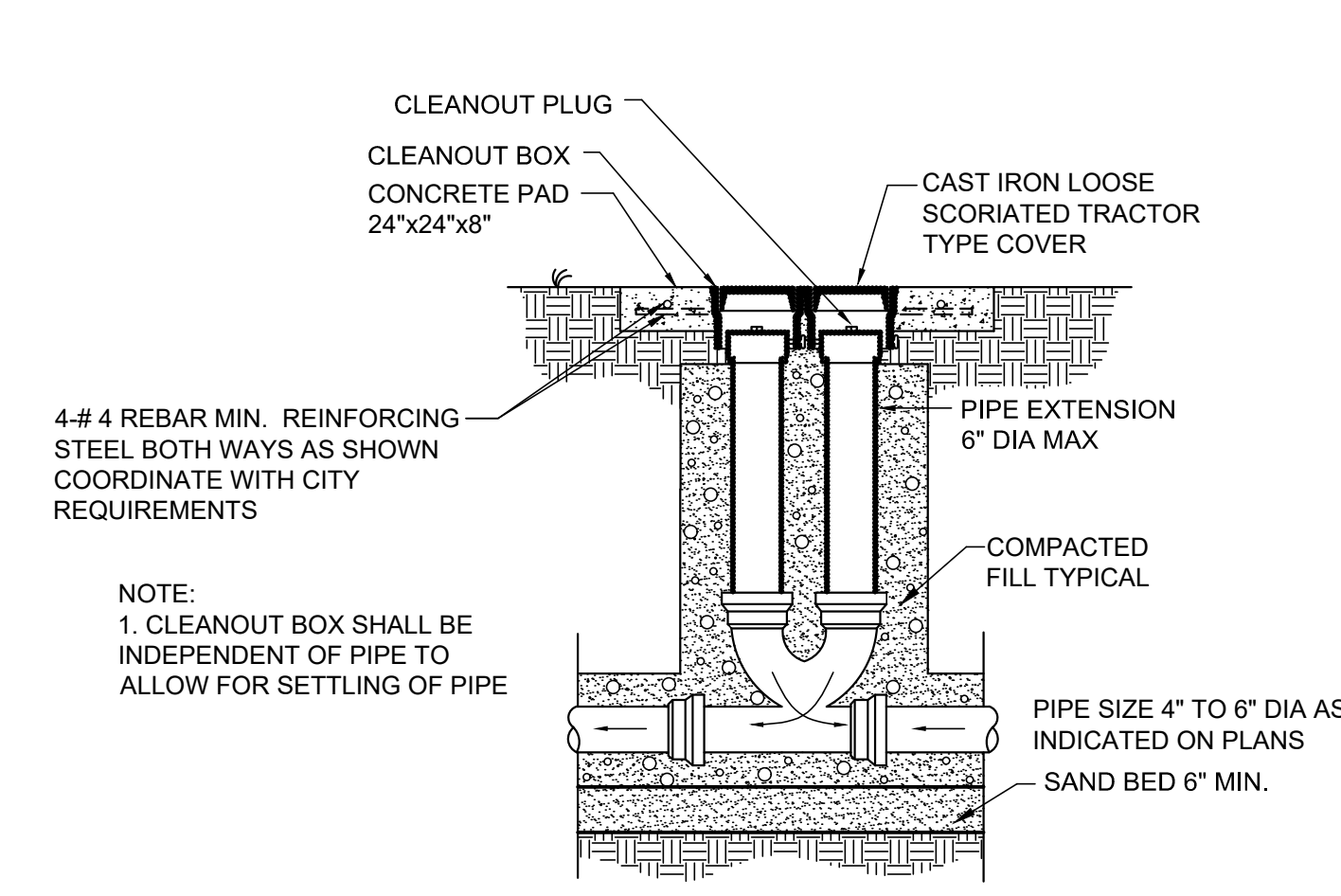
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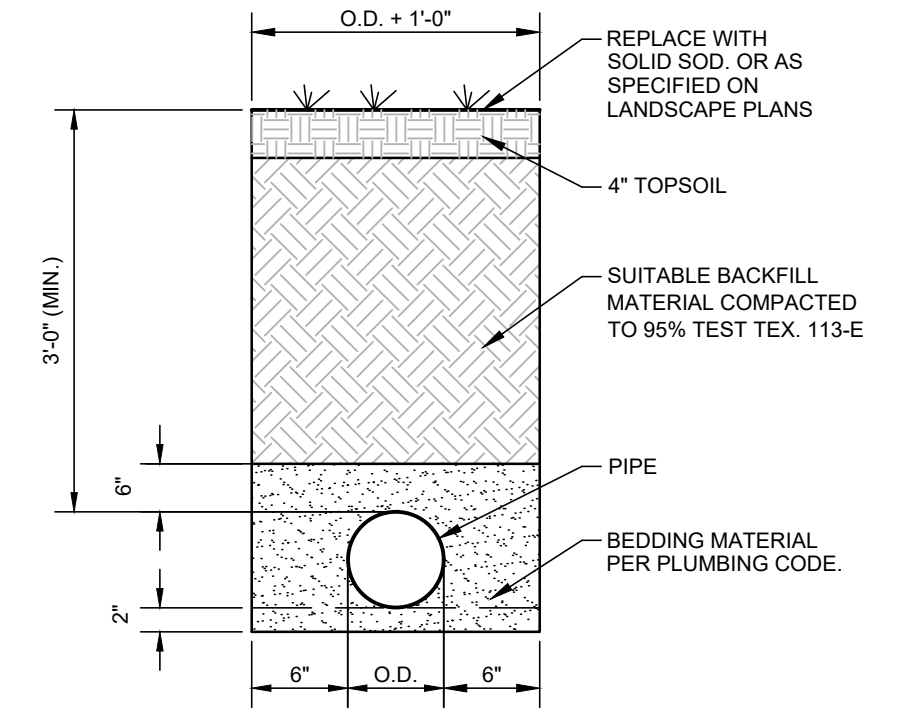


CLEANOUT IN HARDSCAPE AREA

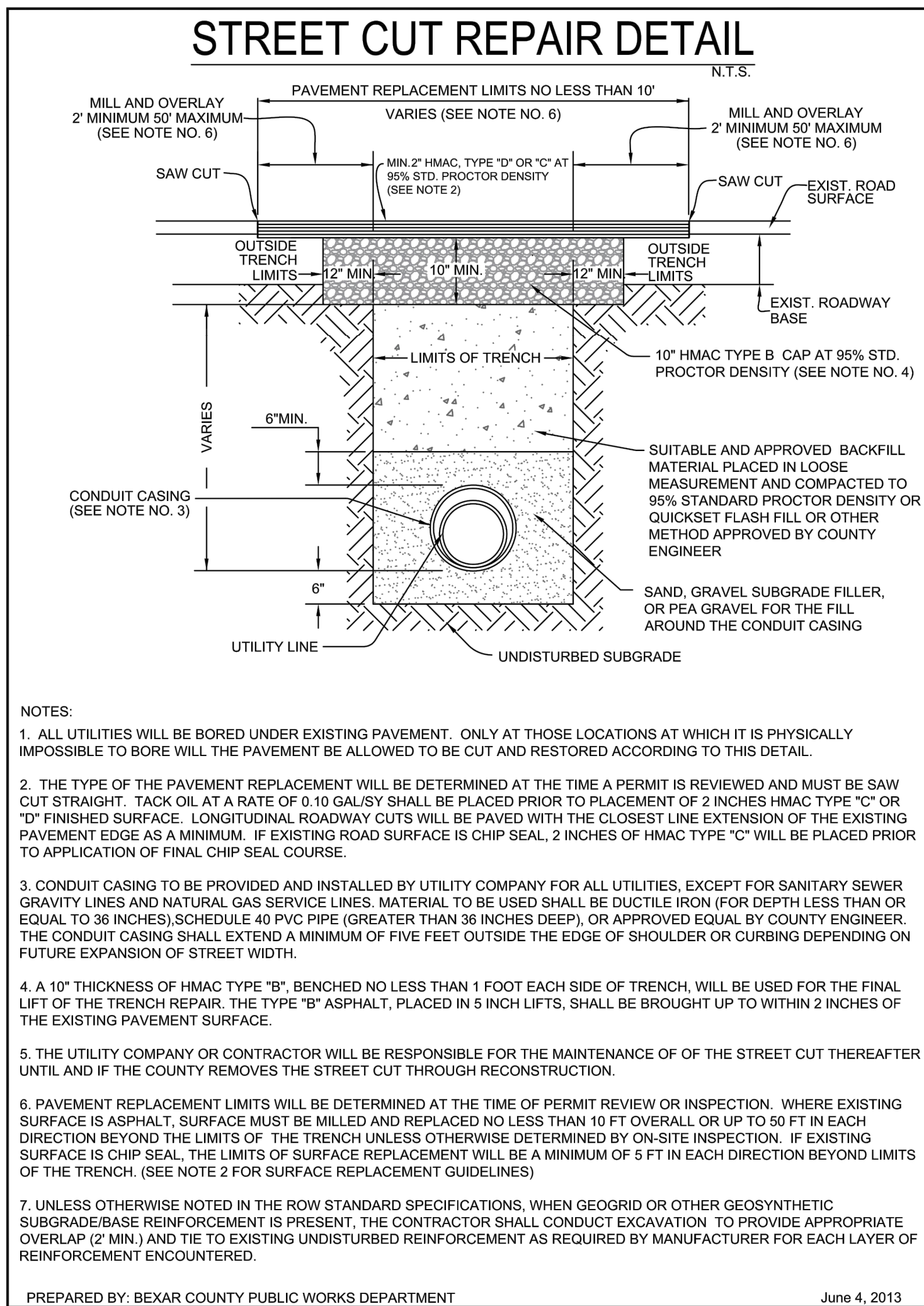
CLEANOUT IN NATURAL GROUND



DOUBLE CLEANOUT  
NOT TO SCALE



PIPE TRENCH IN NATURAL GROUND  
NOT TO SCALE



- NOTES:
1. ALL UTILITIES WILL BE BORED UNDER EXISTING PAVEMENT. ONLY AT THOSE LOCATIONS AT WHICH IT IS PHYSICALLY IMPOSSIBLE TO BORE WILL THE PAVEMENT BE ALLOWED TO BE CUT AND RESTORED ACCORDING TO THIS DETAIL.
  2. THE TYPE OF THE PAVEMENT REPLACEMENT WILL BE DETERMINED AT THE TIME A PERMIT IS REVIEWED AND MUST BE SAW CUT STRAIGHT. TACK OIL AT A RATE OF 0.10 GAL/SY SHALL BE PLACED PRIOR TO PLACEMENT OF 2 INCHES HMAc TYPE "C" OR "D" FINISHED SURFACE. LONGITUDINAL ROADWAY CUTS WILL BE PAVED WITH THE CLOSEST LINE EXTENSION OF THE EXISTING PAVEMENT EDGE AS A MINIMUM. IF EXISTING ROAD SURFACE IS CHIP SEAL, 2 INCHES OF HMAc TYPE "C" WILL BE PLACED PRIOR TO APPLICATION OF FINAL CHIP SEAL COURSE.
  3. CONDUIT CASING TO BE PROVIDED AND INSTALLED BY UTILITY COMPANY FOR ALL UTILITIES, EXCEPT FOR SANITARY SEWER GRAVITY LINES AND NATURAL GAS SERVICE LINES. MATERIAL TO BE USED SHALL BE DUCTILE IRON (FOR DEPTH LESS THAN OR EQUAL TO 36 INCHES), SCHEDULE 40 PVC PIPE (GREATER THAN 36 INCHES DEEP), OR APPROVED EQUAL BY COUNTY ENGINEER. THE CONDUIT CASING SHALL EXTEND A MINIMUM OF FIVE FEET OUTSIDE THE EDGE OF SHOULDER OR CURBING DEPENDING ON FUTURE EXPANSION OF STREET WIDTH.
  4. A 10" THICKNESS OF HMAc TYPE "B", BENCHED NO LESS THAN 1 FOOT EACH SIDE OF TRENCH, WILL BE USED FOR THE FINAL LIFT OF THE TRENCH REPAIR. THE TYPE "B" ASPHALT, PLACED IN 5 INCH LIFTS, SHALL BE BROUGHT UP TO WITHIN 2 INCHES OF THE EXISTING PAVEMENT SURFACE.
  5. THE UTILITY COMPANY OR CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE OF OF THE STREET CUT THEREAFTER UNTIL AND IF THE COUNTY REMOVES THE STREET CUT THROUGH RECONSTRUCTION.
  6. PAVEMENT REPLACEMENT LIMITS WILL BE DETERMINED AT THE TIME OF PERMIT REVIEW OR INSPECTION. WHERE EXISTING SURFACE IS ASPHALT, SURFACE MUST BE MILLED AND REPLACED NO LESS THAN 10 FT OVERALL OR UP TO 50 FT IN EACH DIRECTION BEYOND THE LIMITS OF THE TRENCH UNLESS OTHERWISE DETERMINED BY ON-SITE INSPECTION. IF EXISTING SURFACE IS CHIP SEAL, THE LIMITS OF SURFACE REPLACEMENT WILL BE A MINIMUM OF 5 FT IN EACH DIRECTION BEYOND LIMITS OF THE TRENCH. (SEE NOTE 2 FOR SURFACE REPLACEMENT GUIDELINES)
  7. UNLESS OTHERWISE NOTED IN THE ROW STANDARD SPECIFICATIONS, WHEN GEOGRID OR OTHER GEOSYNTHETIC SUBGRADE/BASE REINFORCEMENT IS PRESENT, THE CONTRACTOR SHALL CONDUCT EXCAVATION TO PROVIDE APPROPRIATE OVERLAP (2 MIN.) AND TIE TO EXISTING UNDISTURBED REINFORCEMENT AS REQUIRED BY MANUFACTURER FOR EACH LAYER OF REINFORCEMENT ENCOUNTERED.

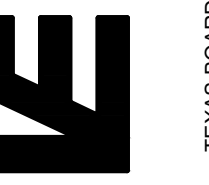
PREPARED BY: BEXAR COUNTY PUBLIC WORKS DEPARTMENT June 4, 2013

PIPE TRENCH IN PAVEMENT  
NOT TO SCALE

REVISIONS:

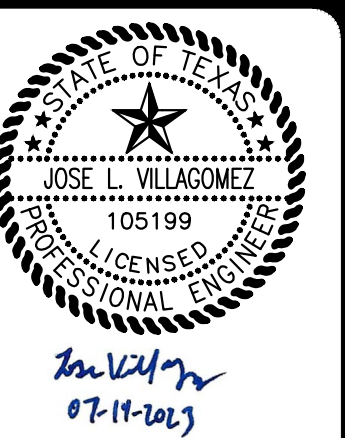
24165 IH-10W, SUITE 217-708  
SAN ANTONIO, TEXAS 78257  
PHONE: 210-724-0816  
FAX: 210-485-0202

VILLAGOMEZ  
ENGINEERING  
COMPANY



TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION # 13689

GOLDEN CHICK RESTAURANT  
TALLEY ROAD  
SAN ANTONIO, TEXAS  
CIVIL DETAILS



JOB NO. 23-029  
DATE 07/10/23  
DESIGNER TR  
DRAWN JS  
SHEET C11

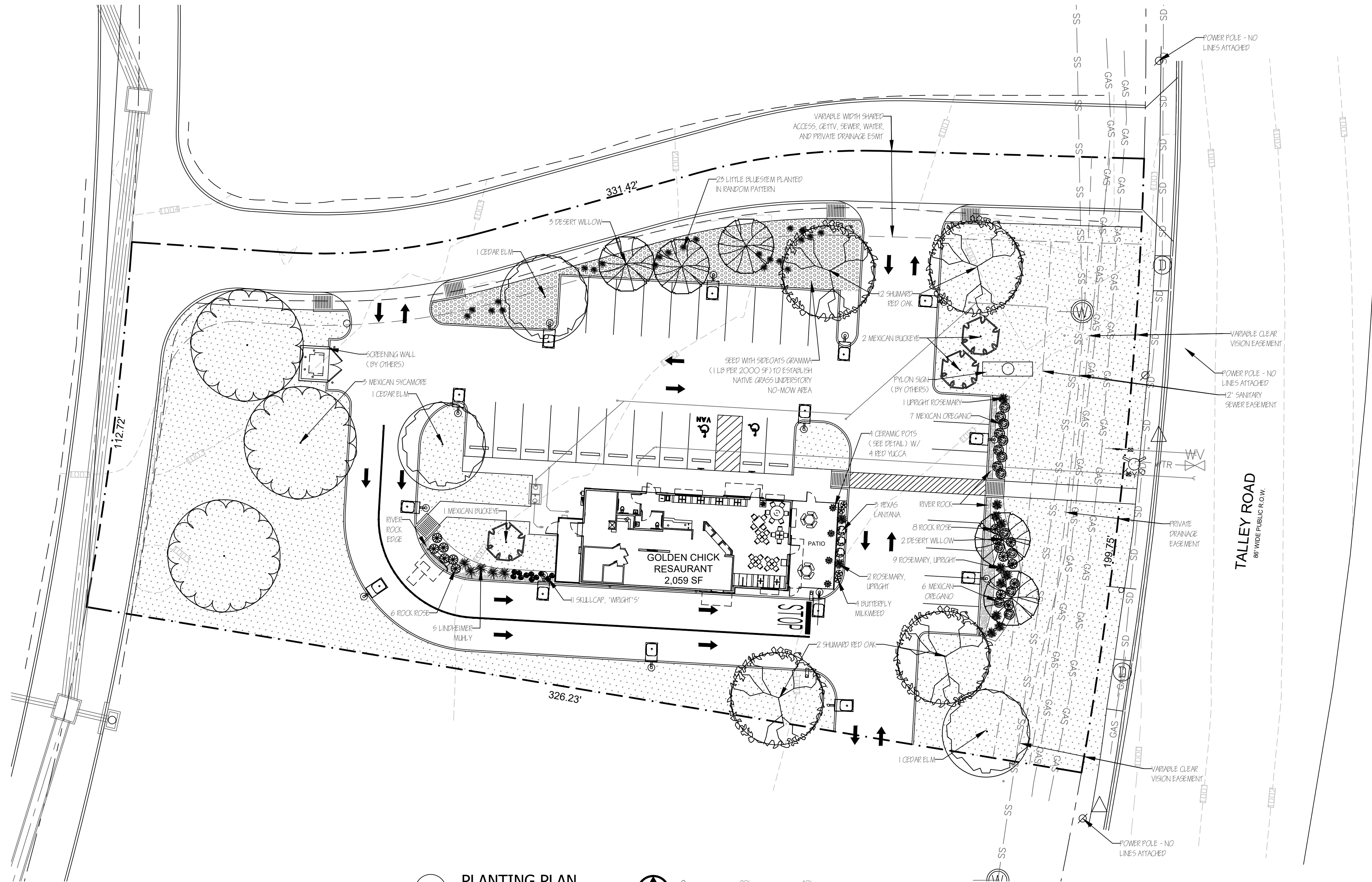
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2  
C11

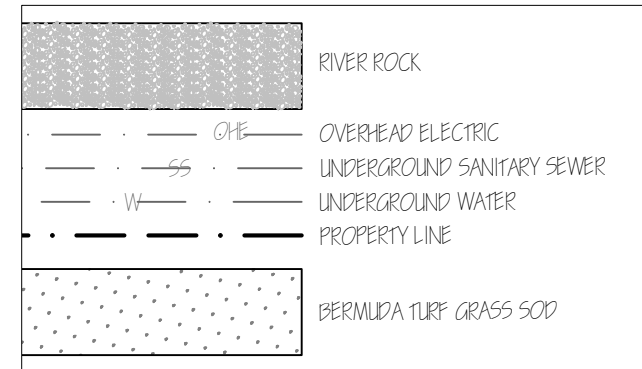
3  
C11

4  
C11





**PLANTING PLAN**  
Scale: 1" = 20'



**DRAWING KEY**

Common Name	Botanical Name	Texas Native	Size	Qty	Remarks	Shade area	Extended shade area
Butterfly Weed	<i>Asclepias tuberosa</i>	Perennial	Yes	1 gal	4 full pots		
Cedar Elm	<i>Ulmus crassifolia</i>	Tree	Yes	65 gal	3 3' cal	875	2,625
Desert Willow	<i>Chiosotis linearis</i>	Tree	Yes	45 gal	5 10' height	275	1,375
Lindheimer Muhly / Big Muhly	<i>Muhlenbergia lindheimeri</i>	Grass	Yes	5 gal	5 full pots		
Little Bluestem	<i>Schizachyrium scoparium</i>	Grass	Yes	1 gal	23 full pots		
Mexican Buckeye	<i>Unguisia speciosa</i>	Small tree	Yes	25 gal	3 8' height	275	825
Mexican Oregano	<i>Potamothea longiflora</i>	Perennial	Yes	1 gal	15		
Mexican Sycamore	<i>Platanus mexicana</i>	Tree	No	65 gal	3 3' cal	1,200	3,600
Red Yucca	<i>Hesperaloe parviflora</i>	Shrub-like	Yes	5 gal	4 full pots		
Rock Rose / Pavonia	<i>Pavonia lasiopetalata</i>	Perennial	Yes	1 gal	14 full pots		
Rosemary, Upright	<i>Rosmarinus officinalis</i>	Perennial	No	3 gal	12 full pots		
Shumard Red Oak	<i>Quercus shumardii</i>	Tree	Yes	65 gal	4 3' cal	1,200	4,800
Sideoats Grama	<i>Bouteloua curtipendula var caespitosa</i>	Grass	Yes	1 lb	seed		
Skullcap, Wrights	<i>Scutellaria wrightii</i>	Perennial	Yes	1 gal	11 full pots		
Texas Lantana	<i>Lantana urticoides (horrida)</i>	Perennial	Yes	1 gal	3 full pots		
River Rock	Arizona, 1.5" - 3" size, 4" depth				240 sq. ft.		
Bermuda grass sod	Tiff 419				19,263 sq. ft.		
Ceramic Pot + saucer	Golden Chick custom mold 32" x 20" + 15" saucer				4 each		
Metal Edging	1/4 gal, green metal 4" size edging with stakes				205 lin. ft.		
Potting soil	See detail				12 cu. ft.		
Total Site Shade						13,225	

**PLANT LIST**

**Jurisdiction of Project**

REGULATORY AUTHORITIES:  
CITY OF SAN ANTONIO PLANNING & ZONING  
1400 S FLORES STREET  
SAN ANTONIO, TEXAS 78208  
210.207.0145  
TEXAS DEPARTMENT OF LICENSING AND REGULATION  
ELIMINATION OF ARCHITECTURAL BARRIERS  
E.O. THOMPSON STATE OFFICE BUILDING  
920 COLORADO  
AUSTIN, TEXAS 78701  
(512) 463-3211  
(512) 475-2886 (FAX)

**Landscaping Requirements**

CITY OF SAN ANTONIO UNIFIED DEVELOPMENT CODE  
ARTICLE V - DEVELOPMENT STANDARDS  
DIVISION 3 - LANDSCAPE AND TREE PRESERVATION

**A. BUFFER YARDS**  
EXEMPT - SAME ZONING CLASSIFICATIONS

**B. PARKING LOT SHADING**  
CANOPY TREES SHADE A MIN OF 25% OF PARKING AREA  
(60% PROVIDED FOR ELECTIVE POINTS)  
4,964 SF PARKING AREA x 50%  
REQUIRED: 2,482 SF TREE SHADE  
PROVIDED: 2,580 SF TREE SHADE  
1 SHUMARD RED OAK PLANTED IN ISLAND ----- 75% \* 1200= 900  
2 CEDAR ELM PLANTED IN ISLAND ----- 75% \* 1750= 875  
1 DESERT WILLOW PLANTED IN ISLAND ----- 75% \* 275= 206  
1 SHUMARD RED OAK WITHIN 12' OF PARKING----- 50% \* 1200= 600

**C. 70 ELECTIVE REQUIREMENTS REQUIRED**

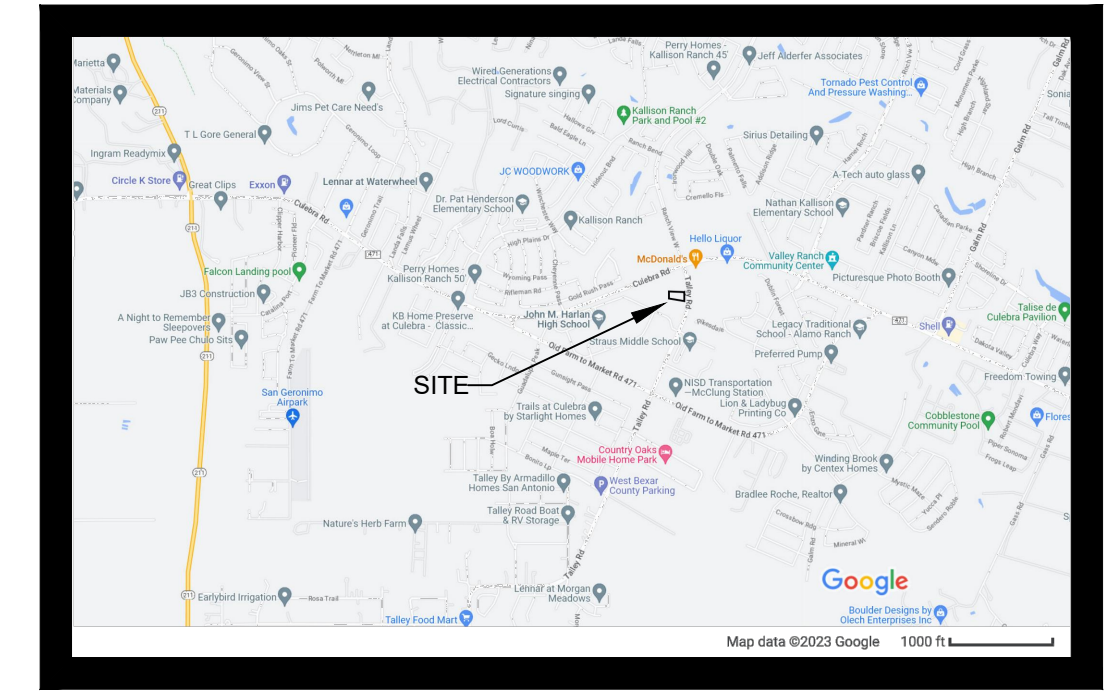
SCREENING OF SURFACE PARKING	25 POINTS
PARKING LOT SHADING (50% SHADING)	35 POINTS
UNDERSTORY RECLAMATION	15 POINTS

**D. SITE TREE COVERAGE (SITE- 51,836 SF)**  
REQUIRED: (25%) 12,959 SF  
PROVIDED: (35%) 13,225 SF

**Irrigation Requirements**

UNDERGROUND AUTOMATIC SPRINKLING SYSTEM PROVIDED. SYSTEM DESIGNED AND INSTALLED ACCORDING TO TCEQ LAWS AND REGULATIONS PROVIDING FOR 100% COVERAGE ON ALL LANDSCAPE AND TURF. THE SYSTEM SHALL INCLUDE A FREEZE-RAIN SENSOR.

**Site Location**



**Owner & Professionals Information**

**OWNER**  
GOLDEN CHICK OPERATION CORPORATION  
1131 ROCKINGHAM DR. SUITE 250, RICHARDSON, TX 75080  
ATTN: BRIAN GILBERT, 972-831-0911

**ARCHITECT**  
MLA - MICHAEL LEGG ARCHITECT  
26116 HIGH TIMBER PASS  
SAN ANTONIO, TEXAS 78260  
ATTN: MICHAEL LEGG, 210-416-4935

**LANDSCAPE ARCHITECT**  
FELDMAN DESIGN STUDIOS  
P.O. BOX 832346, RICHARDSON, TEXAS 75083  
ATTN: CAROL FELDMAN, 972-523-4944  
CAROL@FELDMANDESIGN.COM

NO.	ITEM DESCRIPTION
1.	SUBMITTAL DOCUMENTS
2.	
3.	
4.	
5.	
6.	
7.	



These drawings have been prepared by or under the supervision of Carol Feldman, Registered Landscape Architect #2080, Licensed Irrigator LI #20245

**GOLDEN CHICK RESTAURANT**  
TALLEY RD AT CULEBRA  
SAN ANTONIO, TEXAS

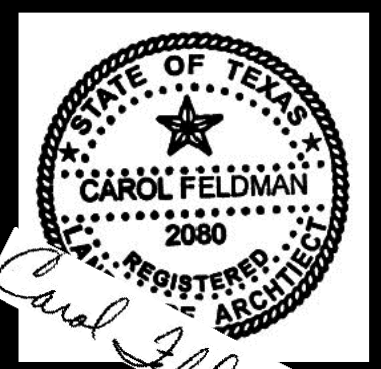


SHEET NO.

L1.01



NO.	ITEM DESCRIPTION
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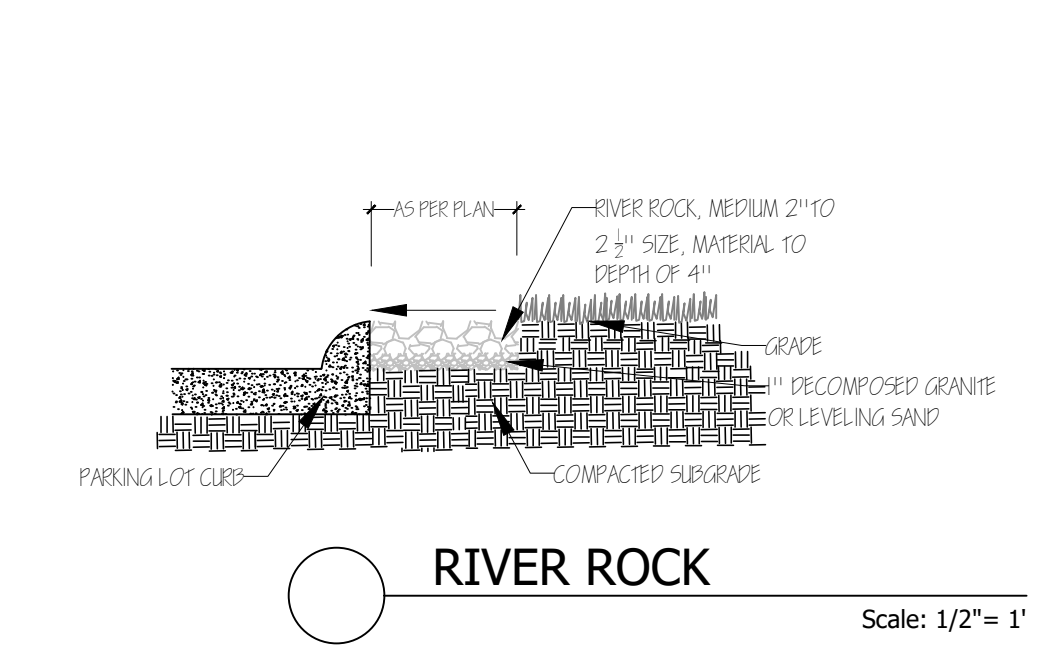
These drawings have been prepared by or under the supervision of Carol Feldman, Registered Landscape Architect #2080, License #20245

**GOLDEN CHICK RESTAURANT**  
**TALLEY RD AT CULEBRA**  
**SAN ANTONIO, TEXAS**

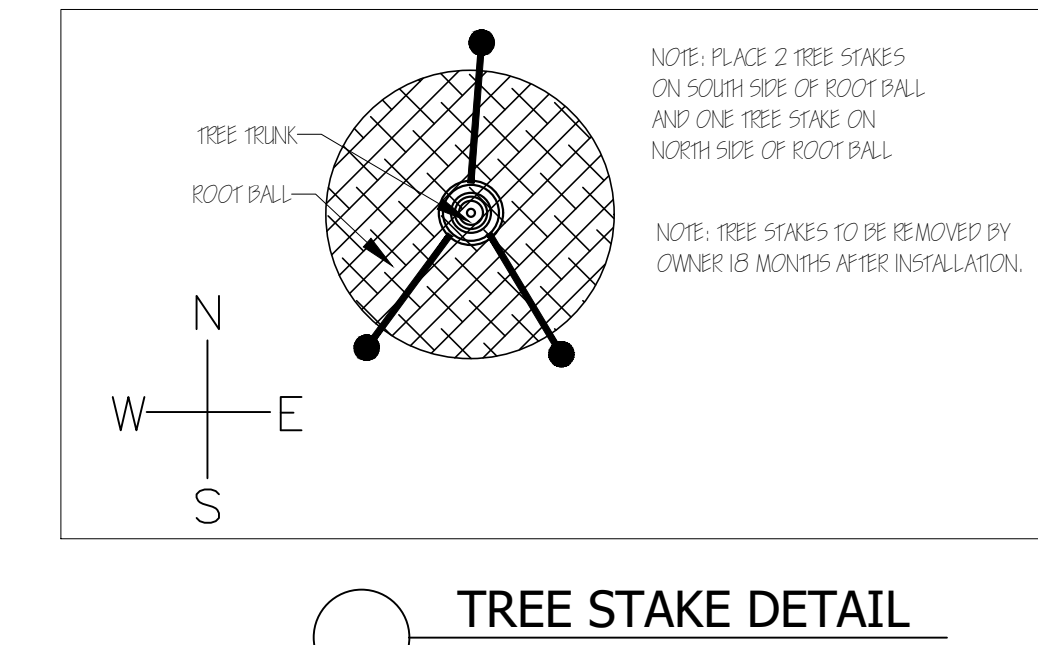


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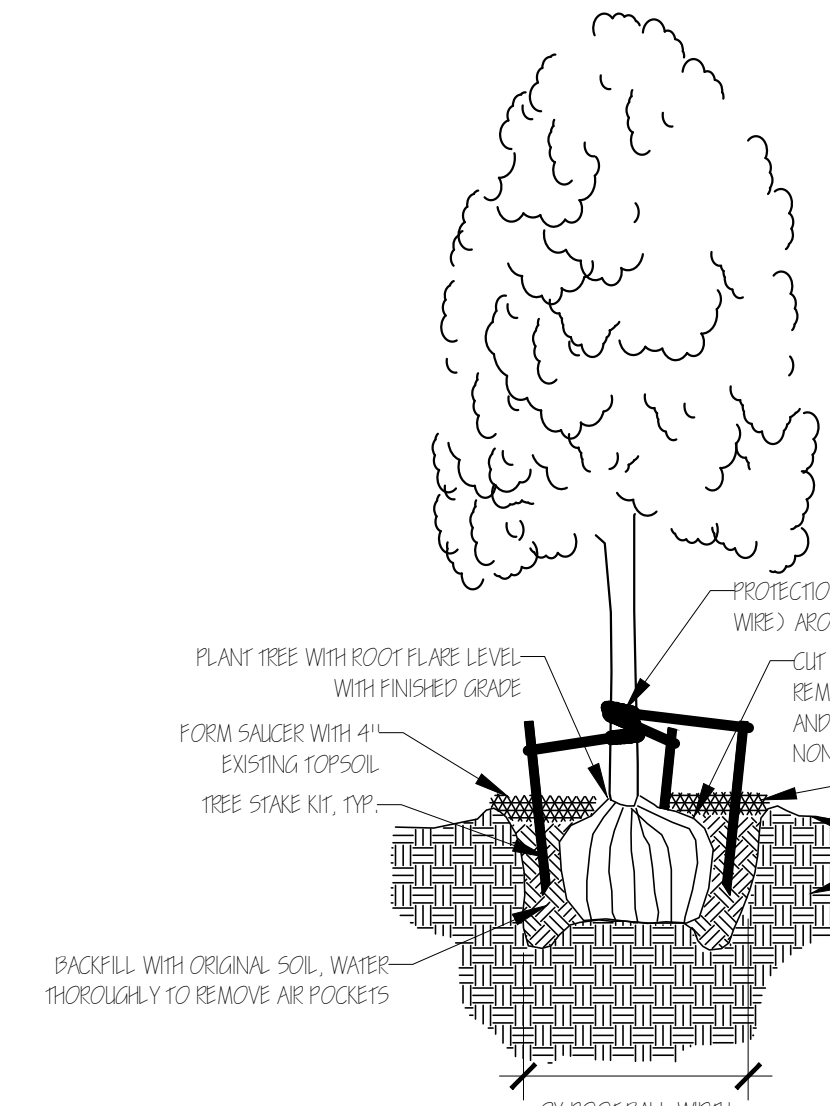
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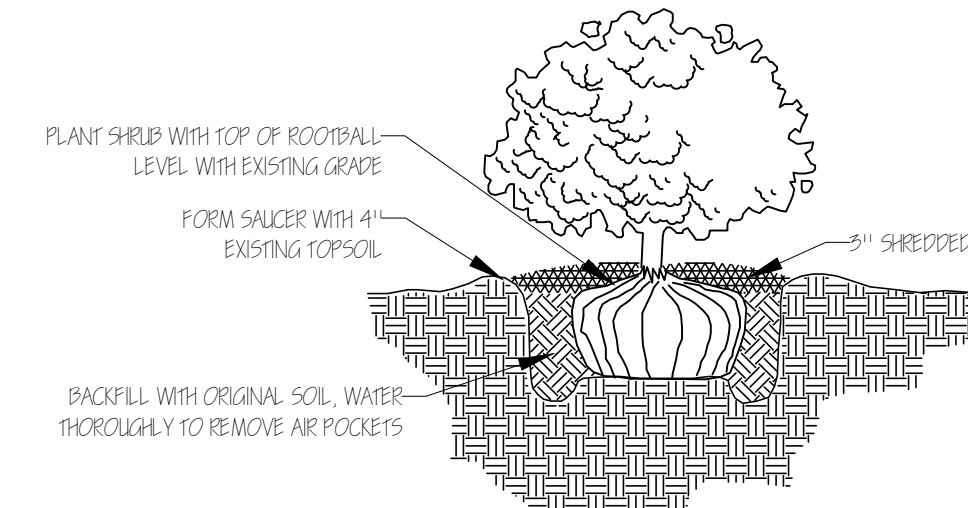
**RIVER ROCK**  
 Scale: 1/2" = 1'



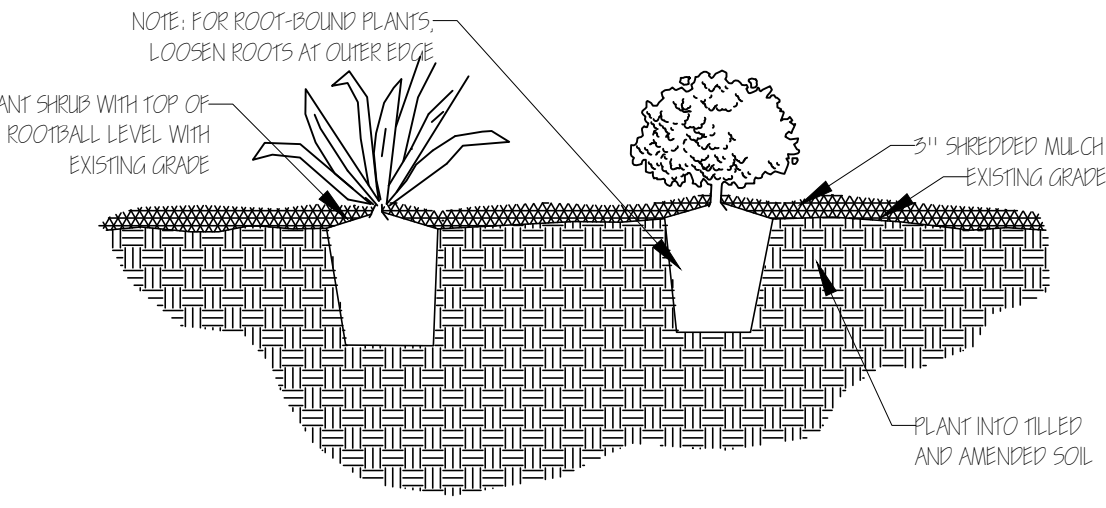
**TREE STAKE DETAIL**  
 Scale: 1/2" = 1'



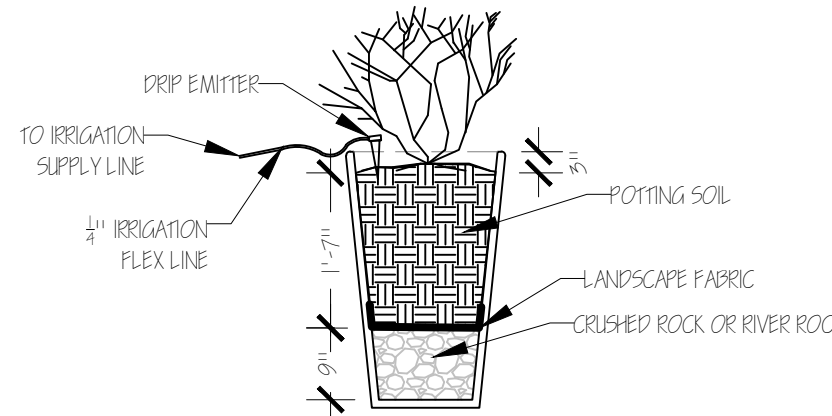
**TREE PLANTING**  
 Scale: Not to scale



**SHRUB & ORNAMENTAL GRASS PLANTING DETAIL**  
 Scale: Not to scale



**PERENNIAL PLANTING DETAIL**  
 Scale: Not to scale



**POT PLANTING DETAIL**  
 Scale: 1/2" = 1'

NOTES:  
 • POTTING SOIL – VIGORO POTTING SOIL MIX OR OTHER EQUAL POTTING SOIL MIX  
 • LANDSCAPE FABRIC – LANDSCAPE FABRIC BARRIER THAT ALLOWS WATER PENETRATION BUT BLOCKS SOIL SILT TO LAYER BELOW  
 • CRUSHED ROCK – CRUSHED LIMESTONE OR OTHER 3/4" – 1" CRUSHED ROCK OR RIVER ROCK



**CERAMIC POTS & SAUCERS**  
 Not to Scale

GOLDEN CHICK CUSTOM MOLD RIPPLE POT  
 32" TALL X 20" DIAMETER - TEAL COLOR  
 15" DIAMETER SAUCER (NOT SHOWN)  
 AVAILABLE BY CONTACTING CORPORATE GOLDEN CHICK, RICHARDSON

**SECTION 02910 – SOIL PREPARATION**

**PART 1 – GENERAL**

A. DESCRIPTION

1. PROVIDE COMPLETE GRADING AND SOIL PREPARATION, INCLUDING AMENDMENTS, AS SPECIFIED HEREIN.

B. EXAMINATION

1. EXAMINE SITE TO VERIFY REQUIRED ROUGH GRADING HAS BEEN COMPLETED CORRECTLY PRIOR TO BED PREPARATION WORK.
2. EXAMINE SITE TO VERIFY THAT ALL INVASIVE PLANTS AND THEIR ROOTS HAVE BEEN REMOVED PRIOR TO BED REPARATION WORK.

C. APPROVALS

1. ALL 'APPROVED EQUAL' MATERIALS MUST BE APPROVED BY LANDSCAPE ARCHITECT.

**PART 2 – PRODUCTS**

A. MATERIALS

1. COMPOST:
  - 1.1. COTTON BUR COMPOST
  - 1.2. SHALL BE SUPPLIED BY: GREENSENSE COMPOST, GARLAND, TX. OR, CLEAR FORK MATERIALS, ALEDO, TX, OR APPROVED EQUAL.
2. FERTILIZERS AND SUPPLEMENTS:
  - 2.1. A 6-2-4 GRANULAR FERTILIZER WITH A WATER SOLUBLE SLOW RELEASE ORGANIC BASE SUCH AS GREENSENSE, OR SUSTANE, OR APPROVED EQUAL.
3. MULCH
  - 3.1. SHALL BE SHREDDED HARDWOOD MULCH, SHREDDED CEDAR MULCH, SHREDDED NATIVE MULCH, OR APPROVED EQUAL.

**PART 3 – EXECUTION**

A. BED PREPARATION AND PREPARATION FOR SOD INSTALLATION

1. GENERAL
  - 1.1. INSPECT ALL EXISTING CONDITIONS AND OTHER ITEMS OF WORK PREVIOUSLY COMPLETED. DO NOT PROCEED UNTIL DEFECTS ARE CORRECTED.
  - 1.2. INSPECT THAT ALL INVASIVE PLANTS AND THEIR ROOTS HAVE BEEN REMOVED COMPLETELY.
  - 1.3. ALL AREAS TO BE PREPARED WITH ORGANIC TECHNIQUES ONLY.
2. SHRUB BEDS:
  - 2.1. BREAK UP AND TILL EXISTING SOIL TO A DEPTH OF 6 INCHES,
  - 2.2. ADD A 3 INCH LAYER OF COMPOST TO THE BEDS,
  - 2.3. TILL EXISTING SOIL AND COMPOST TOGETHER TO A TOTAL OVERALL DEPTH OF 8 INCHES.
  - 2.4. RAKE OUT ROCKS AND CLODS AND FINE GRADE THE BEDS TO DRAIN IN APPROPRIATE DIRECTIONS.
  - 2.5. TOP-DRESS BED WITH A 3 INCH LAYER OF MULCH AFTER PLANTING.
3. SOD AND SEED AREAS
  - 3.1. LIGHTLY CULTIVATE COMPACTED SOIL AND RAKE THE SOIL SMOOTH.
  - 3.2. ADD 1/2 INCH COMPOST TO ALL AREAS.
  - 3.3. FINE GRADE TO DRAIN IN APPROPRIATE DIRECTIONS.

END OF SECTION 02910

**NOTES**

**GENERAL LANDSCAPE**

1. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND STRUCTURES WHETHER OR NOT SHOWN ON THE PLANS, AND SHALL BE RESPONSIBLE FOR DAMAGE TO SAID UTILITIES OR STRUCTURES CAUSED BY HIS/HER CREW AND SUBCONTRACTORS.
2. NO PLANTING TO TAKE PLACE UNTIL OWNER HAS INSPECTED AND APPROVED THE BED PREPARATION.
3. NO PLANTING TO TAKE PLACE UNTIL OWNER HAS INSPECTED AND APPROVED ALL PLANT MATERIAL AND ALL PLANT PLACEMENT. FIELD ADJUSTMENTS OF PLANT LOCATIONS TO BE COORDINATED WITH OWNER.
4. ALL CANOPY AND ORNAMENTAL TREES TO BE STAKED (SEE DETAIL.)
5. ALL LAWN AND LANDSCAPE BED AREAS ARE TO BE SEPARATED BY 14 GAUGE EDGING UNLESS OTHERWISE NOTED ON THE PLANS.

**SECTION 02915 – LANDSCAPE PLANTING**

**PART 1 – GENERAL**

A. SPECIAL CONDITIONS

1. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK.
2. EMPLOY ONLY EXPERIENCE PERSONNEL FAMILIAR WITH REQUIRED WORK. PROVIDE ADEQUATE SUPERVISION BY A QUALIFIED FOREMAN WITH A MINIMUM OF TEN(10) YEARS EXPERIENCE WITH PROJECTS OF SIMILAR COMPLEXITY.
3. DO NOT MAKE SUBSTITUTIONS OF TREE, SHRUB AND GRASS MATERIALS. IF REQUIRED MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY TO OWNER'S REPRESENTATIVE.
4. PROVIDE QUANTITY, SIZE, GENUS, SPECIES AND VARIETY OF TREES AND SHRUBS INDICATED AND SCHEDULED FOR LANDSCAPE WORK WHICH COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI Z60.1 \*AMERICAN STANDARD FOR NURSERY STOCK\*, AND ANY APPLICABLE STATE AND FEDERAL LAWS CONCERNING DISEASE AND INSECT INFESTATION.

B. REFERENCE STANDARDS

1. AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1, 2014 BY AMERICAN NATIONAL STANDARDS INSTITUTE, INC.
2. SHINNERS & MAHLER'S, ILLUSTRATED FLORA OF NORTH CENTRAL TEXAS, BOTANICAL RESEARCH INSTITUTE OF TEXAS (BRIT), FORT WORTH, TEXAS, 1999.
3. HORTUS THIRD, CORNELL UNIVERSITY, 1967.

C. PREPARATION

4. COORDINATION WITH BUILDING AND ENGINEERING PROJECT ACTIVITIES.
5. COORDINATE THE WORK OF THIS SECTION WITH THAT OF REGULAR AND EMERGENCY WATER UTILITY ACTIVITIES ON THE SITE.
6. COORDINATION WITH IRRIGATION SYSTEM:
  - 6.1. THE UNDERGROUND IRRIGATION SYSTEM MUST BE INSTALLED PRIOR TO COMMENCEMENT OF THE PLANTING OPERATIONS.
  - 6.2. THE IRRIGATION SYSTEM SHALL BE OPERATIONAL AT THE TIME THAT PLANTING OPERATIONS COMMENCE.
  - 6.3. COORDINATE WORK WITH THE IRRIGATION CONTRACTOR TO PREVENT DAMAGE TO THE IRRIGATION SYSTEM.

D. ALL PLANT MATERIALS FOR THIS PROJECT SHALL BE NURSERY-GROWN, INCLUDING TREES.

1. CONTAINER GROWN PLANTS SHALL HAVE BEEN 'STEPPED-UP' AS NECESSARY TO PREVENT ROOT GIRDLING.
2. CONTAINER GROWN PLANTS SHALL HAVE BEEN IN THE CONTAINER FOR A MINIMUM OF SIX (6) MONTHS PRIOR TO DELIVERY TO THE SITE TO ENSURE ADEQUATE ROOT DEVELOPMENT.
3. THE 'ROOT FLARE' OF ALL TREES AND SHRUBS SHALL NOT BE COVERED WITH SOIL.

E. THE FOLLOWING TREE CARE PROCEDURES SHALL BE ADHERED TO:

1. DO NOT MAKE FLUSH CUTS OR LEAVE STUBS WHEN PRUNING. LEAVE THE BRANCH COLLAR INTACT.
2. DO NOT USE ANY TYPE OF PRUNING PAINT ON WOUNDS.
3. DO NOT USE ANY TYPE OF TREE WRAP, EXCEPT, TRUNKS MAY BE WRAPPED WITH BURLAP DURING PLANTING OPERATIONS ONLY.
4. STAKE AND GUY ANY TREES AS PER DETAIL. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUYS AFTER TREES HAVE BEEN IN THE GROUND 6 MONTHS, AND BEFORE THE ONE YEAR ANNIVERSARY OF PLANTING.
5. DO NOT HANDLE ANY TREE BY ITS TRUNK. ANY TREE HANDLED IN SUCH A MANNER SHOULD BE REJECTED.

F. WARRANTY

1. UNCONDITIONALLY WARRANT ALL PLANTS FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF INSTALLATION INITIAL ACCEPTANCE. REPLACE MATERIALS NOT IN VIGOROUS, THRIVING CONDITION AS SOON AS WEATHER PERMITS AFTER NOTIFICATION BY OWNERS THAT THE PLANTS HAVE DIED OR ARE OTHERWISE NOT ACCEPTABLE. GUARANTEE REPLACEMENT PLANTS FOR ONE YEAR, STARTING FROM THE DATE REPLACEMENT IS MADE.
2. WARRANTY EXCLUDES REPLACEMENT OF PLANTS BECAUSE OF INJURY BY STORM, NATURAL DROUGHT, DROWNING, HAIL, OR FREEZING, IF REASONABLE CARE WAS TAKEN TO ADEQUATELY PROTECT THE MATERIAL, AND IN THE OPINION OF THE OWNER'S REPRESENTATIVE THAT THE PROBLEM OCCURRED AFTER THE DATE OF INITIAL ACCEPTANCE.

**PART 3 – EXECUTION**

A. PREPARATION FOR PLANT MATERIAL INSTALLATION

1. EXAMINE THE SUB-GRADE UPON WHICH THE WORK IS TO BE PERFORMED, VERIFY GRADE ELEVATIONS AND VERIFY THAT BEDS HAVE BEEN LEFT LOW BY OTHER TRADES. OBSERVE THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND CONFIRM THAT UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED PRIOR TO PROCEEDING.

B. TIME OF PLANTING

1. CARE IS TO BE TAKEN SO THAT NO PLANTS SIT IN POTS IN THE SUMMER HEAT FOR MORE THAN 1 HOUR. IF PLANTING DURING HOT SEASONS (NOT PREFERRED) PLANTING IS TO BE DONE IN SMALL SECTIONS WITH STOCKPILED PLANTS TO BE PROTECTED FROM THE SUMMER HEAT (SHADE AREAS).

C. TREE PLANTING

1. STAKE LOCATIONS FOR TREES PRIOR TO DIGGING HOLES.
2. DIG PITS WITH ROUGH SIDES AND WHICH HAVE TAPERED WALLS, A MINIMUM OF TWICE THE WIDTH OF THE TREE BALL. A PEDESTAL SHOULD BE LEFT IN THE CENTER OF THE HOLE AND THE TREE BALL SET UPON THAT PEDESTAL.
3. SET PLANTS IN THE CENTER OF THE HOLE AND ON THE PEDESTAL, PLUM AND VERTICAL, AND AT SUCH A DEPTH THAT THE CROWN OF THE TREE BALL WILL BE LEVEL WITH THE SURROUNDING GRADE.
4. ALL PLANTS SHALL BE SET TO MEET THE SAME RELATIONSHIP TO THE FINISHED GRADE OF THE SURROUNDING SOIL THAT THEY BORE TO PREVIOUS EXISTING GRADE OF SOIL.
5. BACKFILL WITH EXISTING TOPSOIL AND WATER IMMEDIATELY.
6. FORM A SHALLOW BASIN SLIGHTLY LARGER THAN THE PIT TO FACILITATE WATERING. REMOVE PRIOR TO MULCHING.
7. COVER ALL TREE BALLS WITH A MINIMUM OF 3" OF SPECIFIED MULCH. EXTEND MULCH OUT TO THE EDGE OF THE TREE PIT, BUT KEEP AWAY FROM TRUNKS.
8. ALL EXCAVATED MATERIAL UNACCEPTABLE FOR REUSE SHALL BE DISPOSED OF OFF SITE, OR AS DIRECTED BY THE OWNER.

D. SHRUBS, TALL GRASSES AND PERENNIAL PLANTING

1. REMOVE CONTAINER AND SET PLANT MATERIAL AT SUCH A LEVEL THAT AFTER SETTLEMENT, THE CROWN OF THE BALL WILL BE AT FINISHED GRADE.
2. GENTLY CUT OUTER ROOTS OF ANY ROOTBALLS THAT HAVE 'POT-BOUND' PRIOR TO INSTALLATION.
3. COVER PLANTING BEDS WITH A MINIMUM 3" LAYER OF SPECIFIED MULCH.

E. SOD PLANTING

1. LAY SOD IN AN ORDERLY MANNER TO COVER ALL BARE SOIL AREAS.
2. WATER ALL AREAS OF THE SOD UNTIL THOROUGHLY WET.
3. ROLL SOD WITH A SOD ROLLER AFTER 24 HOURS AFTER LAYING AND WATERING SOD TO OBTAIN A UNIFORM, SMOOTH FINISH.
4. FILL JOINTS WITH COMPOST IF NECESSARY TO FORM A UNIFORM GRASS LAYER.
5. KEEP SOD ADEQUATELY WATERED UNTIL SOD MAKES A FIRM CONNECTION TO THE SOIL.

F. SEED PLANTING

1. AREAS SHALL BE RAKED TO A DEPTH OF 1/2", SMOOTH AND FREE OF STONES AND DEBRIS.
2. APPLY SEED EVENLY AT THE RATE RECOMMENDED.
3. RAKE AND WATER TO ESTABLISH A FIRM CONNECTION OF THE SEED TO THE SOIL.
4. KEEP SEED AREA MOIST (NOT WET) UNTIL SEED GERMINATES AND GRASS IS APPROX. 1/2" IN HEIGHT.
5. KEEP AREA ADEQUATELY WATERED UNTIL A STAND OF THE GRASS IS ESTABLISHED.
6. RE-SEED TO ESTABLISH A THICK STAND OF GRASS IF NECESSARY.

END OF SECTION 02915