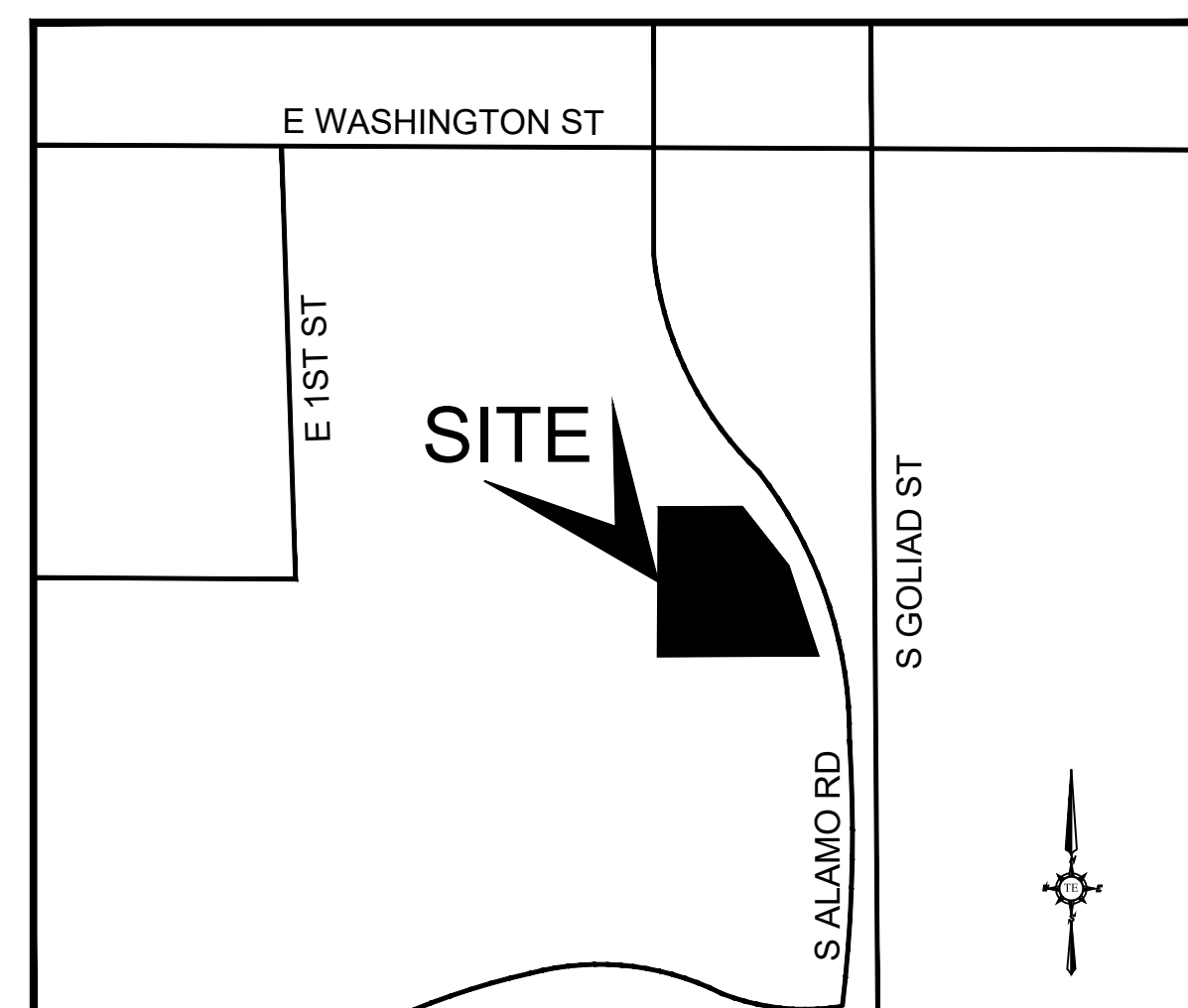


SITE DEVELOPMENT PLANS FOR ROCKWALL BREWERY

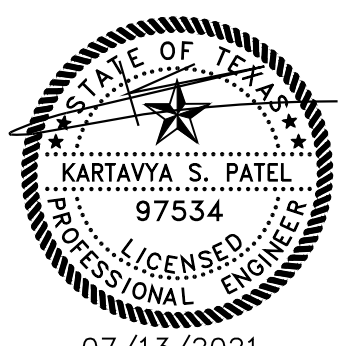
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS
CITY CASE # SP2018-038

<p>ENGINEER TRIANGLE ENGINEERING LLC 1784 MCDERMOTT DRIVE, SUITE 110 ALLEN, TEXAS 75013 CONTACT: KARTAVYA PATEL TEL: 214-609-9271 FAX: 214-998-7937 EMAIL: KPATEL@TRIANGLE-ENGR.COM</p>	<p>LANDSCAPE ARCHITECT STUDIO GREEN SPOT 5307 1784 MCDERMOTT DRIVE, SUITE 110 ALLEN, TEXAS 75013 CONTACT: CHRIS TRONZANO TEL: 469-369-4448 EMAIL: CHRIS@STUDIOGREENSPOT.COM</p>
<p>SURVEYOR A&W SURVEYORS, INC P.O. BOX 870029 P.P. 2220 GUS THOMASSON RD. MESQUITE, TX 75150 CONTACT: SCOTT P. ANDERSON TEL: 972-681-4975</p>	<p>OWNER/DEVELOPER COOPER GENERAL CONTRACTORS 2560 TECHNOLOGY DRIVE, SUITE 100 PLANO, TEXAS 75074 CONTACT: DOUG GALLOWAY TEL: (972) 245-7960</p>



VICINITY MAP
N.T.S


SHEET INDEX	
SHEET NO.	DESCRIPTION
CS	CS
S	SURVEY
RP-1	RE-PLAT 1 OF 2
RP-2	RE-PLAT 2 OF 2
DM	DEMOLITION PLAN
3	SITE PLAN
4	DIMENSION CONTROL PLAN
5	GRADING PLAN
6	EXISTING DRAINAGE PLAN
6.1	PROPOSED DRAINAGE PLAN
6.2	DETENTION CALCULATIONS
6.3	STORM SEWER PROFILE
7	PAVING PLAN
7.1	PAVING DETAILS
7.2	KEYSTONE WALL
8	UTILITY PLAN
8.1	WATER DETAILS
8.2	SEWER DETAILS
9	EROSION CONTROL PLAN
9.1	EROSION CONTROL DETAILS



RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING, LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"

TX PE FIRM #11525

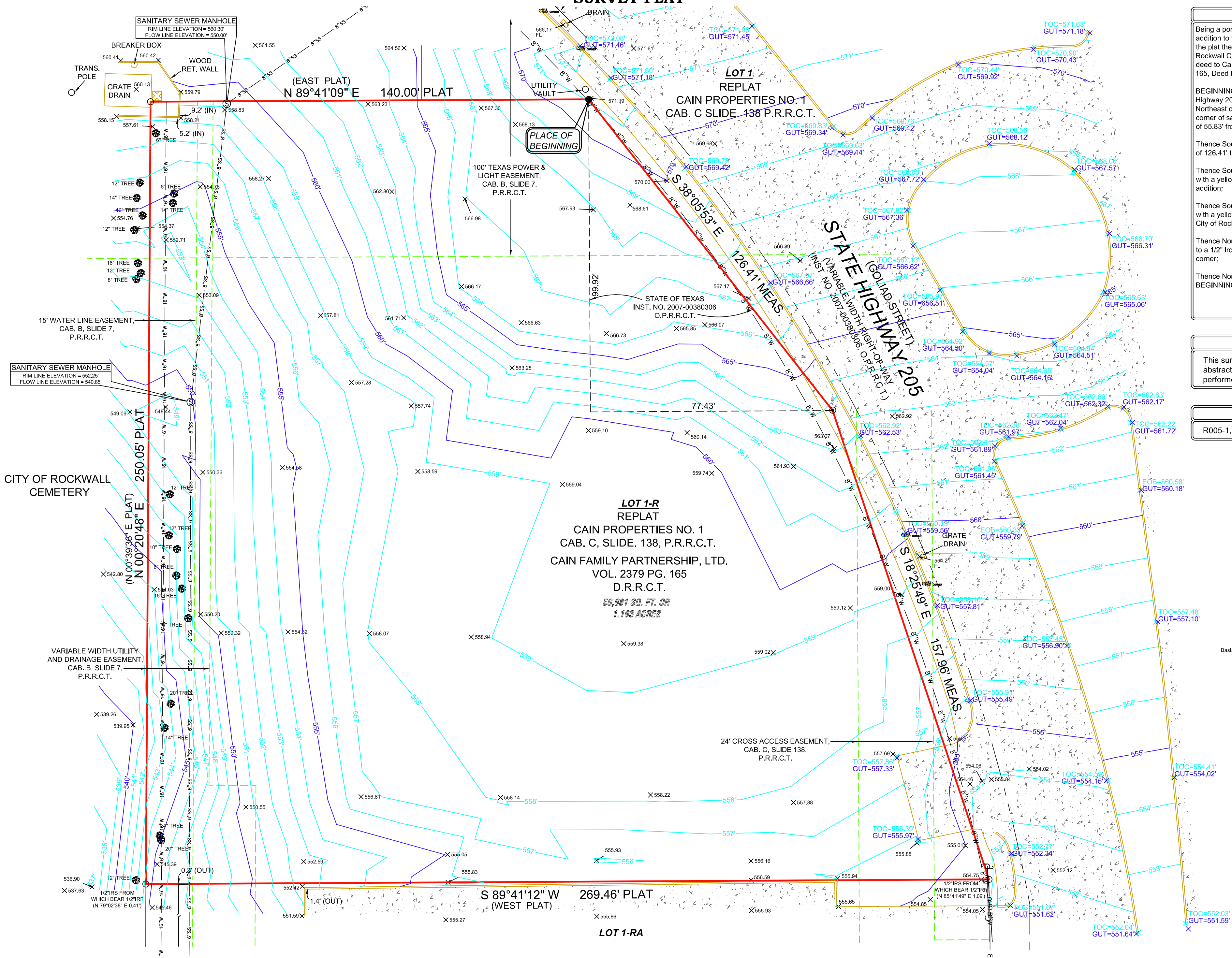


TRIANGLE
ENGINEERING LLC

T: 469.331.8566 | F: 469.213.7145 | E: INFO@triangle-engr.com
W: triangle-engr.com | O: 1784 McDermott Drive, Suite 110, Allen, TX 75013

Planning | Civil Engineering | Construction Management

SURVEY PLAT



LEGAL DESCRIPTION

Being a portion of Lot 1-R, of the Replat of Cain Properties No. 1, an addition to the City of Rockwall, Rockwall County, Texas, according to the plat thereof, recorded in Cabinet C, Slide 138, Plat Records, Rockwall County, Texas, and being the same tract of land described in deed to Cain Family Partnership, LTD., recorded in Volume 2379, Page 165, Deed Records, Rockwall County, Texas:

BEGINNING at a 1/2" iron rod found in the present West line of State Highway 205, a variable width right-of-way, at the most Northerly Northeast corner of Lot 1-R, of said addition, same being an interior ell corner of said Lot 1, said point being North 88°54'50" East, a distance of 55.83' from the East line of Alamo Street, a 60' right-of-way;

Thence South 38°05'53" East, along said present West line, a distance of 126.41' to an "X" found for corner;

Thence South 18°25'49" East, a distance of 157.96 to a 1/2" iron rod with a yellow plastic cap set at the Northeast corner of Lot 1-RA of said addition;

Thence South 89°41'12" West, a distance of 269.46' to a 1/2" iron rod with a yellow plastic cap stamped "RPLS 5310" set in the East line of a City of Rockwall Cemetery, at the Northwest corner of said Lot 1-RA;

Thence North 00°20'48" East, along said East line a distance of 250.05 to a 1/2" iron rod with a yellow plastic cap stamped "RPLS 5310" set for corner;

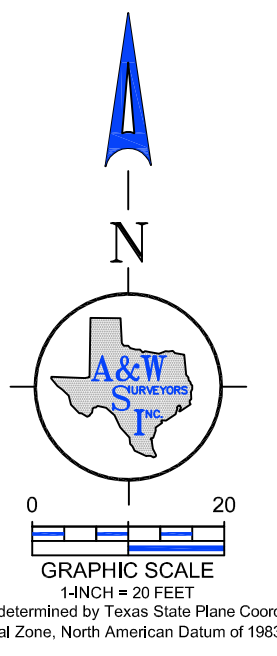
Thence North 89°41'09" East, a distance of 140.00' to the PLACE OF BEGINNING and containing 50,681 square feet or 1.163 acres of land.

NOTE

This survey was performed without the benefit of an abstractor, therefore, no search of record easements was performed on subject property.

BENCHMARK NOTES

R005-1, Brass cap, 578.6314'



NOTE: All 1/2 IRS are 1/2-inch iron rods with yellow plastic caps stamped "RPLS 5310".

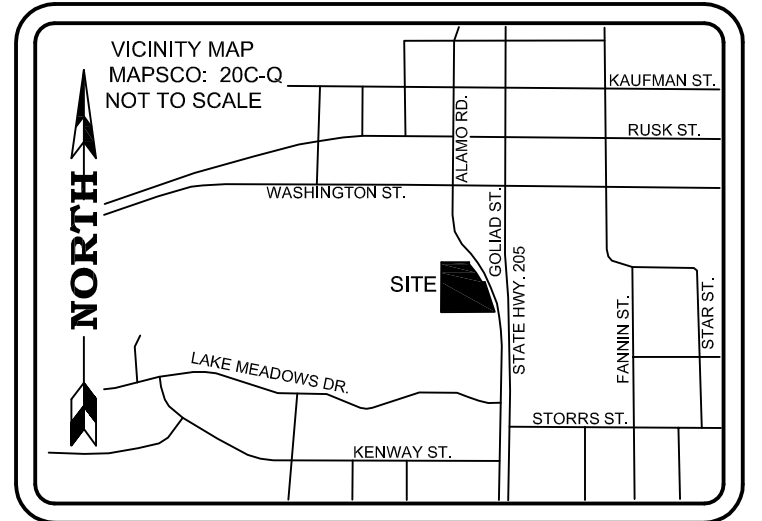
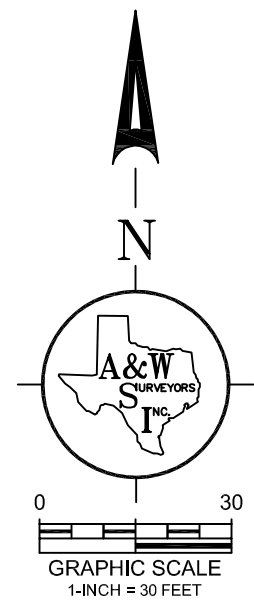
LEGEND

● 1/2" IR FOUND	⊙ X-FOUND	☒ TELE. BOX	⊕ BOLLARD POST	⊕ UTILITY POLE	— OHU — OVERHEAD UTILITY LINE	▭ COVERED AREA	▭ CONCRETE	▭ BUILDING LINE
○ 1/2" IR SET	⊕ X-SET	☒ CABLE BOX	⊕ LIGHT POLE	⊕ WATER METER	— GUY WIRE ANCHOR	▭ ASPHALT	▭ GRAVEL	▭ EASEMENT
○ 5/8" IR FOUND	⊕ 1" IR FOUND	☒ ELECTRIC BOX	⊕ SAN. SEW. MH.	⊕ GAS METER	— BARBED WIRE FENCE	▭ FIRE LANE STRIPE	▭ BRICK	▭ BOUNDARY
○ 3/8" IR FOUND	⊕ 1" IR FOUND	☒ BRICK COLUMN	⊕ IRRIGATION VALVE	⊕ A.C. PAD	— IRON FENCE	▭ BRICK RET. WALL	▭ STONE	▭ HIGHBANK LINE
○ 60-D NAIL FOUND	⊕ POINT FOR CORNER	☒ STONE COLUMN	⊕ WATER VALVE	⊕ TRANS. BOX	— CHAINLINK FENCE	▭ STONE RET. WALL	▭ WOOD DECK	▭ PARKING STRIPE
○ PK NAIL SET	⊕ CON. MONUMENT	☒ STORM DRAIN MH.	⊕ FIRE HYDRANT	⊕ POOL EQUIP.	— WOOD FENCE	▭ CON. RET. WALL	▭ BUILDING WALL	▭ HANDICAP SPACE
○ 1/2" IR FOUND	⊕ 3/4" IR FOUND	☒ SAN. SEW. CO.	⊕ IR. VALVE	— PIPE RAIL FENCE	▭ NO PARKING	▭ TILE		

**GOLIAD STREET
ROCKWALL, TEXAS**

A&W SURVEYORS, INC.
Professional Land Surveyors
TEXAS REGISTRATION NO. 100174-00
P.O. BOX 870029, MESQUITE, TX. 75187
PHONE: (972) 681-4975 FAX: (972) 681-4954
WWW.AWSURVEY.COM

JOB# 18-0787
DATE: 05-07-2018
DRAWN BY: 444
A professional company operating in your best interest



BILLY W. PEOPLES
VOL. 1515, PG. 81
D.R.R.C.T.

STATE OF TEXAS
INST. NO. 2007-00380303
O.P.R.R.C.T.

LOT 1
BLOCK Z
ORIGINAL TOWN OF ROCKWALL
VOL. 38, PG. 212,
D.R.R.C.T.
BILLY W. PEOPLES
INST. NO. 2017000005610
O.P.R.R.C.T.

(GOLIAD STREET)

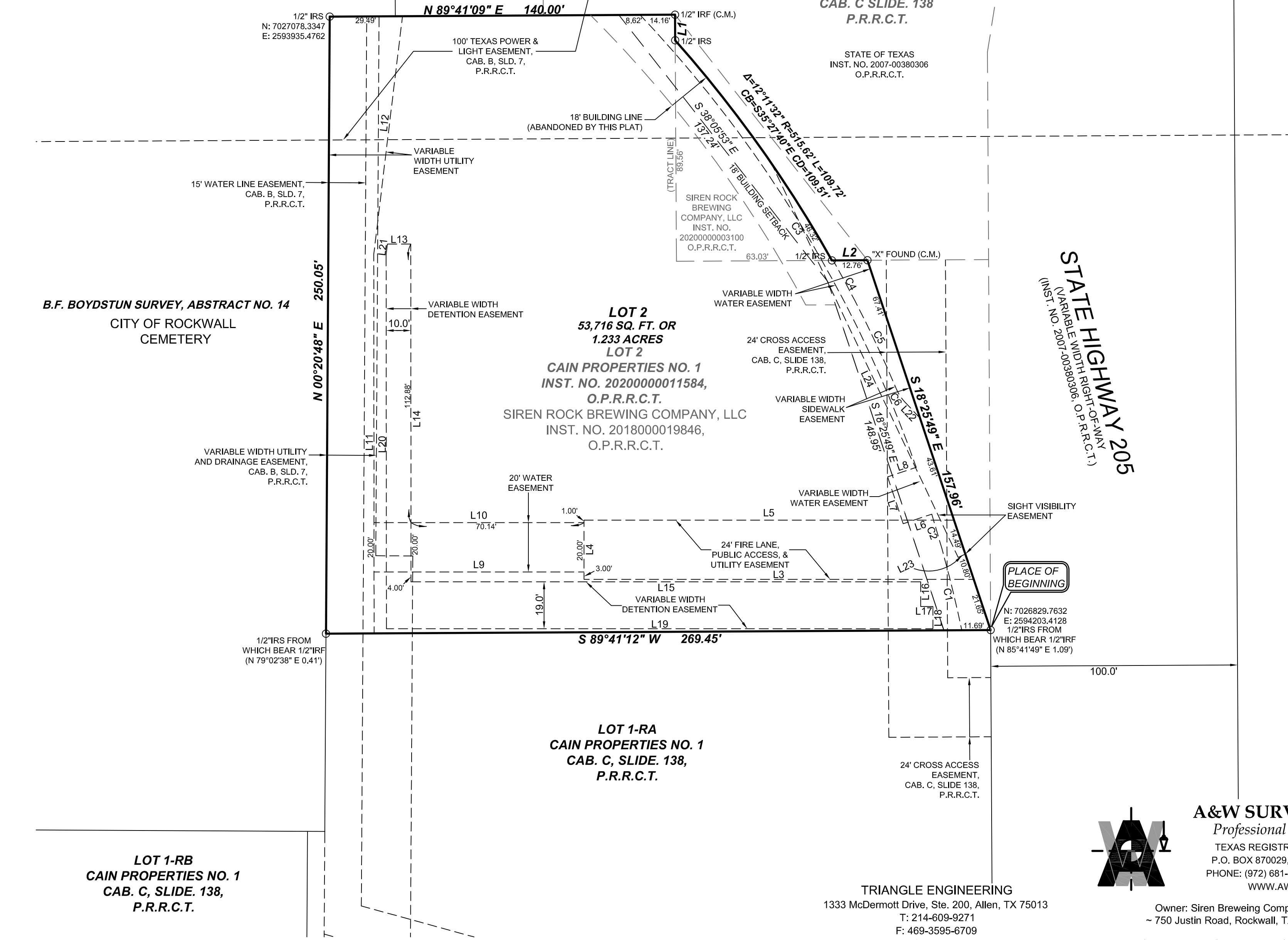
LOT 1
CAIN PROPERTIES NO. 1
CAB. C SLIDE. 138
P.R.R.C.T.

STATE OF TEXAS
INST. NO. 2007-00380306
O.P.R.R.C.T.

LOT 2
53,716 SQ. FT. OR
1.233 ACRES
LOT 2
CAIN PROPERTIES NO. 1
INST. NO. 20200000011584,
O.P.R.R.C.T.
SIREN ROCK BREWING COMPANY, LLC
INST. NO. 2018000019846,
O.P.R.R.C.T.

LOT 1-RA
CAIN PROPERTIES NO. 1
CAB. C, SLIDE. 138,
P.R.R.C.T.

LOT 1-RB
CAIN PROPERTIES NO. 1
CAB. C, SLIDE. 138,
P.R.R.C.T.



LINE TABLE

LINE	LENGTH	BEARING	LINE	LENGTH	BEARING
L1	10.36'	S00°19'31"E	L13	9.46'	N90°00'00"E
L2	14.40'	N89°40'29"E	L14	136.88'	S00°02'39"E
L3	158.00'	N90°00'00"W	L15	206.61'	N90°00'00"E
L4	24.00'	N00°00'00"E	L16	10.00'	S00°00'00"E
L5	150.00'	N90°00'00"E	L17	4.97'	N90°00'00"E
L6	12.20'	S71°34'11"W	L18	9.00'	S00°00'00"E
L7	20.00'	N18°25'49"W	L19	221.57'	N90°00'00"W
L8	12.23'	N71°34'11"E	L20	151.45'	N00°02'39"W
L9	85.13'	N90°00'00"W	L21	4.47'	N06°52'14"E
L10	85.14'	S90°00'00"E	L22	9.14'	S43°27'56"E
L11	153.65'	N00°02'39"W	L23	9.14'	S43°27'56"E
L12	97.15'	N06°52'14"E	L24	9.14'	S43°27'56"E

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	CH. BEAR.	CHORD
C1	3°45'07"	517.46'	33.89'	N13°42'37"W	33.88'
C2	1°37'36"	517.46'	14.69'	N16°23'59"W	14.69'
C3	23°57'30"	517.46'	216.38'	N31°24'25"W	214.80'
C4	2°02'41"	521.46'	18.61'	N28°22'31"W	18.61'
C5	4°23'02"	521.46'	39.90'	N25°09'39"W	39.89'
C6	20°29'47"	16.00'	5.72'	S33°13'02"E	5.69'

- GENERAL NOTES
- Any structure new or existing may not extend across new property lines.
 - The purpose of this plat is to remove the 18' building line parallel to the property line and to add the correct 18' building line parallel to the back of curb.
 - Basis of bearing determined by Texas State Plane Coordinate System, North Central Zone, North American Datum of 1983 (2011).
 - Coordinates shown are Texas State Plane Coordinate System, North Central Zone, North American Datum of 1983 on Grid Coordinate values, No Scale, No Projection
 - It shall be the policy of the City of Rockwall to withhold issuing building permits until all streets, water, sewer and storm drainage systems have been accepted by the City. The approval of a plat by the City does not constitute any representation, assurance or guarantee that any building within such plat shall be approved, authorized or permit therefore issued, nor shall such approval constitute any representation, assurance or guarantee by the City of the adequacy and availability for water for personal use and fire protection within such plat, as required under Ordinance 83-54.

LEGEND

D.R.R.C.T.	Deed Records, Rockwall County, Texas
P.R.R.C.T.	Plat Records, Dallas County, Texas
O.P.R.R.C.T.	Official Public Records, Rockwall County, Texas
C.M.	Controlling Monument
VOL.	Volume
PG.	Page
CAB.	Cabinet
SLD.	Slide
INST. NO.	Instrument Number
IRF	iron rod found
IRS	1/2" iron rod with a yellow plastic cap stamped "RPLS 5310" set
SQ. FT.	square feet

PAGE 1 OF 2
REPLAT
LOT 2
CAIN PROPERTIES NO. 1

BEING A PLAT OF LOT 2,
CAIN PROPERTIES NO. 1
AN ADDITION TO THE CITY OF ROCKWALL,
ROCKWALL COUNTY, TEXAS
B.F. BOYDSTUN SURVEY ABSTRACT NO. 14
CASE FILE NO. P2020-043

TRIANGLE ENGINEERING
1333 McDermott Drive, Ste. 200, Allen, TX 75013
T: 214-609-9271
F: 469-3595-6709
E: kpatel@triangle-engr.com
W: www.triangle-engr.com



A&W SURVEYORS, INC.
Professional Land Surveyors
TEXAS REGISTRATION NO. 100174-00
P.O. BOX 870029, MESQUITE, TX. 75187
PHONE: (972) 681-4975 FAX: (972) 681-4954
WWW.AWSURVEY.COM

Owner: Siren Breweing Company, LLC
~ 750 Justin Road, Rockwall, TX 75087 ~

Job No: 18-0788 | Drawn by: 517 | Date:01-04-2019 | Revised: 09-28-2020
"A professional company operating in your best interest"

OWNER'S CERTIFICATE

WHEREAS Siren Breweing Company, LLC is the sole owner of a tract of land located in the N.F. BOYDSTUN SURVEY, Abstract No. 14, City of Rockwall, Rockwall County, Texas, and being Lot 2, of the Replat of Cain Properties No. 1, an addition to the City of Rockwall, Rockwall County, Texas, according to the plat thereof, recorded in Instrument No. 20200000011584, Official Public Records, Rockwall County, Texas, and being the same tract of land described in deed to Siren Breweing Company, LLC, recorded in Instrument No. 2018000019846 and Instrument No. 20200000003100, Official Public Records, Rockwall County, Texas, and being more particularly described as follows:

Beginning at a 1/2" iron rod with a yellow plastic cap stamped "RPLS 5310" set in the West line of State Highway No. 205, (Goliad Street), a variable width right-of-way, at the Northeast corner of Lot 1-RA, of the Replat of Cain Properties No. 1, an addition to the City of Rockwall, Rockwall County, Texas, according to the plat thereof recorded in Cabinet C, Slide 138, Plat Records, Collin County, Texas;

Thence South 89°41'12" West, a distance of 269.45' to a 1/2" iron rod with a yellow plastic cap stamped "RPLS 5310" set in the East line of City of Rockwall Cemetery, at the Northwest corner of said Lot 1-RA;

Thence North 00°20'48" East, along said East line, a distance of 250.05' to a 1/2" iron rod with a yellow plastic cap stamped "RPLS 5310" set at the interior 'ell' corner of said City of Rockwall Cemetery, same being the Northeast corner of Lot 2;

Thence North 89°41'09" East, a distance of 140.00' to a 1/2" iron rod found at the interior 'ell' corner of a tract of land described in deed to the State of Texas, recorded in Instrument No. 2007-00380306, Official Public Records, Rockwall County, Texas;

Thence South 00°19'31" East, a distance of 10.36' to a 1/2" iron rod with a yellow plastic cap stamped "RPLS 5310" set for corner at the beginning of a non-tangent curve to the right, having a central angle of 12°11'32", a radius of 515.62', and a chord bearing and distance of South 35°27'40" East, 109.51';

Thence Southeasterly, along said curve to the right, an arc distance of 109.72' to a 1/2" iron rod with a yellow plastic cap stamped "RPLS 5310" set for corner;

Thence North 89°40'29" East, a distance of 14.40' to an "X" found at the Southwest interior corner of said State of Texas tract;

Thence South 18°25'49" East, along said present right-of-way, a distance of 157.96' to the PLACE OF BEGINNING and containing 53,716 square feet or 1.233 acres of land.

SURVEYOR'S CERTIFICATE

THAT I, John S. Turner, do hereby certify that I prepared this amending plat from an actual survey on the land and that the corner monuments shown thereon were found and/or properly placed under my personal supervision in accordance with the Platting Rules and Regulations of the Planning and Zoning Commission of the City of Rockwall, Texas.

Witness my hand at Mesquite, Texas, This _____ day of _____, 20__.

John S. Turner Registered Professional Land Surveyor #5310

OWNER'S DEDICATION

STATE OF TEXAS COUNTY OF ROCKWALL

That, Siren Breweing Company, LLC, acting herein by and through its duly authorized officer, does hereby certify and adopt this Replat designating the herein above described property as LOT 2, CAIN PROPERTIES NO. 1 to the City of Rockwall, Texas, and whose name is subscribed hereto, hereby dedicate to the use of the public forever all streets, alleys, parks, watercourses, drains, easements and public places thereon shown on the purpose and consideration therein expressed. I (we) further certify that all other parties who have a mortgage or lien interest in the Siren Breweing Company, LLC have been notified and signed this plat.

I (we) understand and do hereby reserve the easement strips shown on this plat for the purposes stated and for the mutual use and accommodation of all utilities desiring to use or using same. I (we) also understand the following:

- 1. No buildings shall be constructed or placed upon, over, or across the utility easements as described herein.
2. Any public utility shall have the right to remove and keep removed all or part of any buildings, fences, trees, shrubs, or other growths or improvements which in any way endanger or interfere with construction, maintenance or efficiency of their respective system on any of these easement strips; and any public utility shall at all times have the right of ingress or egress to, from and upon the said easement strips for purpose of construction, reconstruction, inspecting, patrolling, maintaining, and either adding to or removing all or part of their respective system without the necessity of, at any time, procuring the permission of anyone.
3. The City of Rockwall will not be responsible for any claims of any nature resulting from or occasioned by the establishment of grade of streets in the subdivision.
4. The developer and subdivision engineer shall bear total responsibility for storm drain improvements.
5. The developer shall be responsible for the necessary facilities to provide drainage patterns and drainage controls such that properties within the drainage area are not adversely affected by storm drainage from the development.
6. No house dwelling unit, or other structure shall be constructed on any lot in this addition by the owner or any other person until the developer and/or owner has complied with all requirements of the Subdivision Regulations of the City of Rockwall regarding improvements with respect to the entire block on the street or streets on which property abuts, including the actual installation of streets with the required base and paving, curb and gutter, water and sewer, drainage structures, storm structures, storm sewers, and alleys, all according to the specifications of the City of Rockwall; or Until an escrow deposit, sufficient to pay for the cost of such improvements, as determined by the city's engineer and/or city administrator, computed on a private commercial rate basis, has been made with the city secretary, accompanied by an agreement signed by the developer and/or owner, authorizing the city to make such improvements at prevailing private commercial rates, or have the same made by a contractor and pay for the same out of the escrow deposit, should the developer and/or owner fail or refuse to install the required improvements within the time stated in such written agreement, but in no case shall the City be obligated to make such improvements itself. Such deposit may be used by the owner and/or developer as progress payments as the work progresses in making such improvements by making certified requisitions to the city secretary, supported by evidence of work done; or Until the developer and/or owner files a corporate surety bond with the city secretary in a sum equal to the cost of such improvements for the designated area, guaranteeing the installation thereof within the time stated in the bond, which time shall be fixed by the city council of the City of Rockwall.
7. All drainage and detention on site will be maintained, repaired, and replaced by the property owner.

I further acknowledge that the dedications and/or exaction's made herein are proportional to the impact of the Subdivision upon the public services required in order that the development will comport with the present and future growth needs of the City; I (we), my (our) successors and assigns hereby waive any claim, damage, or cause of action that I (we) may have as a result of the dedication of exactions made herein.

Name: Title:

STATE OF TEXAS COUNTY OF ROCKWALL

BEFORE ME, the undersigned, a Notary Public in and for the said County and State, on this day personally appeared, _____, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the _____ day of _____, 20__.

Notary Public in and for The State of Texas

RECOMMENDED FOR FINAL APPROVAL

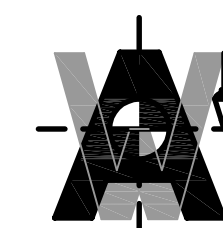
Planning and Zoning Commission Date

APPROVED

I hereby certify that the above and foregoing plat of an addition to the City of Rockwall, Texas, was approved by the City Council of the City of Rockwall on the _____ day of _____, 20__.

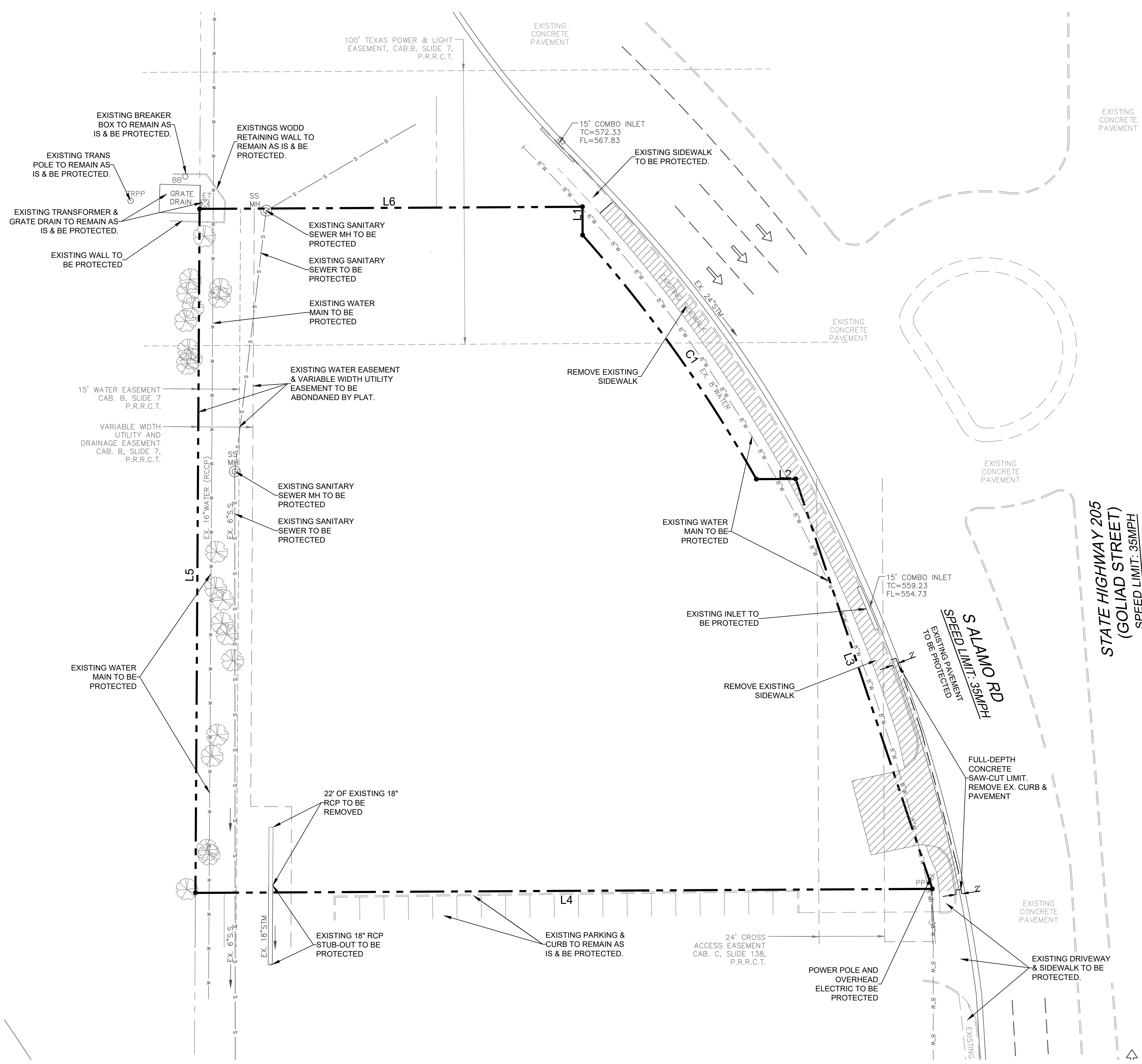
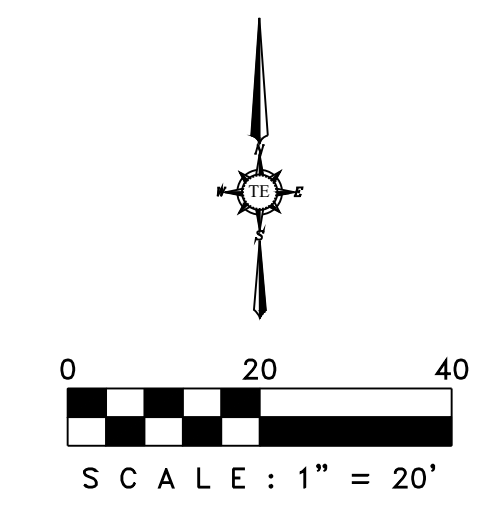
This approval shall be invalid unless the approved plat for such addition is recorded in the office of the County Clerk of Rockwall, County, Texas, within one hundred eighty (180) days from said date of final approval. WITNESS OUR HANDS, this _____ day of _____, _____.

Mayor, City of Rockwall City Secretary City Engineer

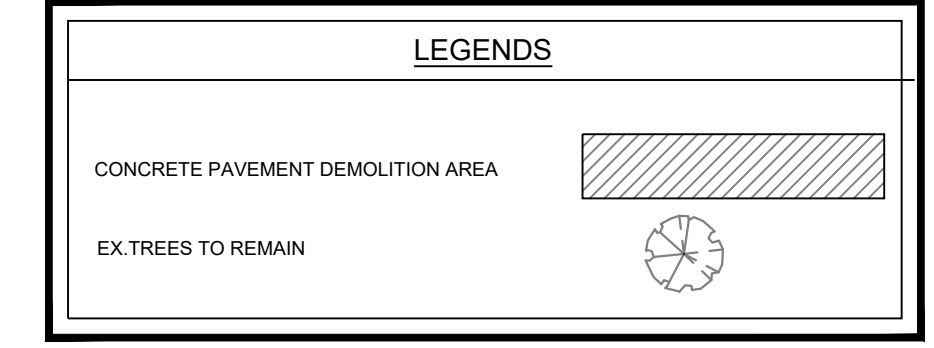


A&W SURVEYORS, INC. Professional Land Surveyors TEXAS REGISTRATION NO. 100174-00 P.O. BOX 870029, MESQUITE, TX. 75187 PHONE: (972) 681-4975 FAX: (972) 681-4954 WWW.AWSURVEY.COM

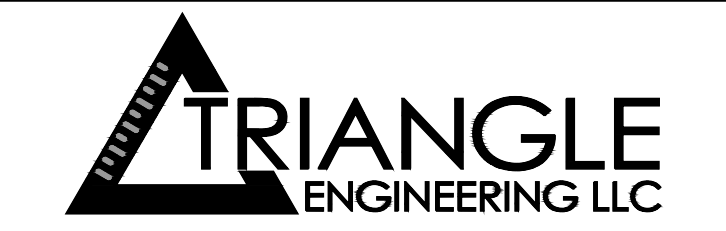
Owner: Siren Breweing Company, LLC ~ 750 Justin Road, Rockwall, TX 75087 ~



- DEMOLITION GENERAL NOTES**
- CONSTRUCTION SHALL PROCEED IN THE FOLLOWING MANNER:
1. INITIAL SITE STRIPPING, DEMOLITION AND HAUL DEBRIS OFFSITE.
 2. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
 3. PREPARE TEMPORARY PARKING AND STORAGE AREA.
 4. CONSTRUCT THE SILT FENCES ON THE SITE.
 5. BEGIN GRADING THE SITE.
 6. INSTALL/CONSTRUCT MAJOR DRAINAGE SYSTEM.
 7. INSTALL UTILITIES, UNDER DRAINS, CURBS, AND GUTTERS.
 8. START CONSTRUCTION OF BUILDING PADS AND STRUCTURES.
 9. TEMPORARILY SEED DENUDEED AREAS.
 10. PREPARE SITE FOR PAVING.
 11. PAVE SITE.
 12. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
 13. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED). THIS SITE IS STABILIZED WHEN ALL SOIL-DISTURBING ACTIVITIES ARE COMPLETED AND UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE COVER FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES HAVE BEEN EMPLOYED.
- NOTE: EROSION CONTROL BMP'S SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES INCLUDING DEMOLITION.



DEMOLITION PLAN
 ROCKWALL BREWERY
 310 SOUTH GOLIAD STREET
 CITY OF ROCKWALL
 ROCKWALL COUNTY, TEXAS

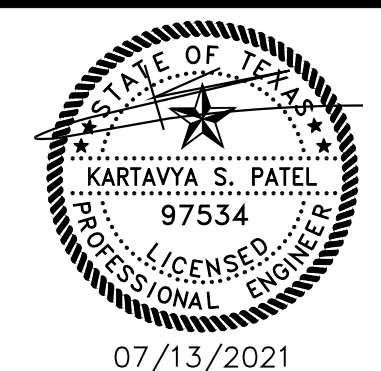


T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
 W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

DESIGN	DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	01/10/19	SEE SCALE	003-18	DM

RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING,LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



TX PE FIRM #11525

WATER METER & SANITARY SEWER SCHEDULE				
ID	TYPE	SIZE	NO.	SAN. SEW.
(D)	DOM.	2"	1	4"
(I)	IRR.	1"	1	N/A

BOUNDARY LINE DATA		
LINE NO.	BEARING	DISTANCE
L1	S 00°19'31" E	10.36'
L2	N 89°40'29" E	14.40'
L3	S 18°25'49" E	157.96'
L4	S 89°41'12" W	289.46'
L5	N 00°20'48" E	250.05'
L6	N 89°41'09" E	140.00'

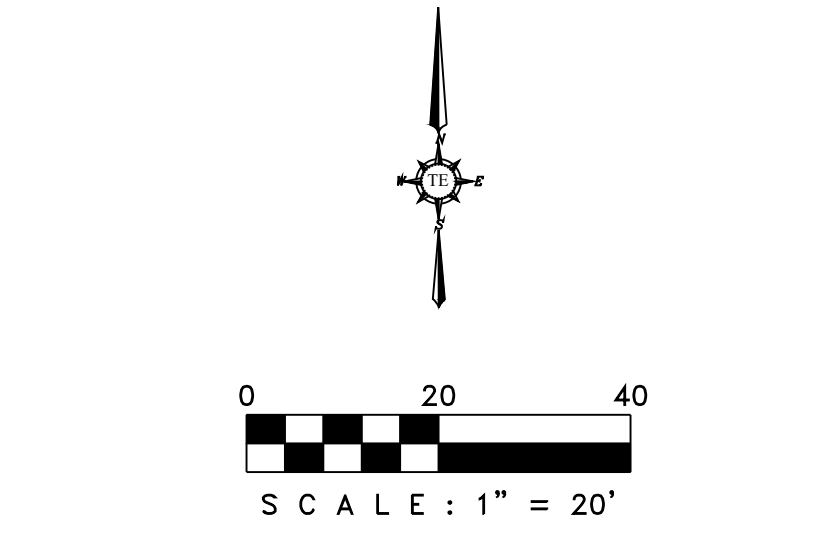
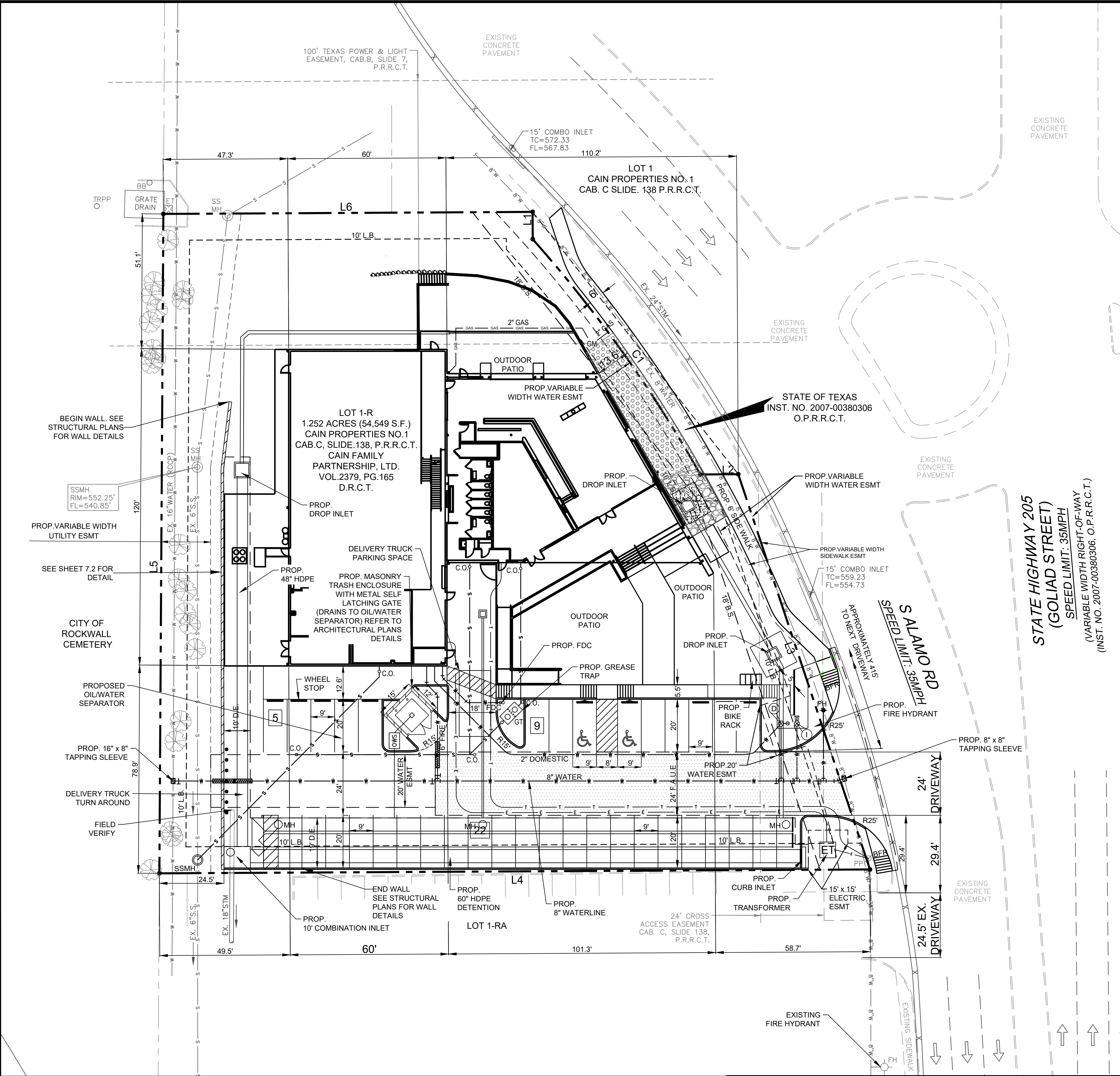
CURVE DATA TABLE					
NO.	LENGTH	RADIUS	DELTA	CH BEARING	CH LENGTH
C1	109.72'	515.62'	12°11'32"	S 35°27'40" E	109.51'

LEGEND

--- PROPERTY LINE
 --- EXISTING WATER LANE
 --- PROPOSED WATER LANE
 --- EX. SANITARY SEWER LINE
 --- PROP. SANITARY SEWER LINE
 --- PROPOSED STORM SEWER
 ○ FH PROPOSED FIRE HYDRANT
 ○ F.D.C. PROPOSED FIRE CONNECTION
 ● PROPOSED WATER METERS
 ● PROPOSED BACK FLOW PREVENTER
 ● P.S.&V.E. PEDESTRIAN SIGN & VISIBILITY EASEMENT
 --- U.E. UTILITY EASEMENT
 --- W.E. WATER EASEMENT
 --- S.S.E. SANITARY SEWER EASEMENT
 --- D.E. DRAINAGE EASEMENT
 --- F.A.W.E. FIRE LANE, PUBLIC ACCESS & WATER EASEMENT
 --- V.E. VISIBILITY EASEMENT
 [Hatched Box] PROPOSED FIRE LANE
 --- B.S. FRONT SET BACK
 --- L.S. LANDSCAPE SET BACK
 [Barrier Symbol] BARRIER FREE RAMP
 --- EXISTING STORM SEWER
 --- EXISTING PAVEMENT/CURB
 ○ SSMH EXISTING SEWER MANHOLE
 [Hatched Box] PROPOSED HANDICAP PARKING SPACE
 ○ PP EXISTING POWER POLE
 ○ EXISTING STORM INLETS
 ○ FH EXISTING FIRE HYDRANT
 ○ TW.V. EXISTING WATER VALVE
 ● PROPOSED BOLLARDS
 [Car Symbol] PROPOSED CAR STACKING
 --- PROP. 6" HIGH WROUGHT IRON FENCE
 [Tree Symbol] EXISTING TREE
 [Transformer Symbol] TRANSFORMER
 --- F.A.U.E. FIRE LANE, PUBLIC ACCESS & UTILITY EASEMENT
 [Grease Trap Symbol] GREASE TRAP
 ○ SAMPLING WELL
 ○ C.O. SINGLE CLEAN OUT
 ○ C.O. DOUBLE CLEAN OUT
 [Monument Symbol] MONUMENT/POLE SIGN
 [Wheel Stop Symbol] PROPOSED WHEEL STOP
 [Handicap Sign Symbol] PROPOSED HANDICAP SIGN

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE STANDARDS OF THE CITY OF ROCKWALL.
- A PERMIT IS REQUIRED TO CUT A CITY STREET OR WORK WITHIN THE RIGHT-OF-WAY. THE PERMIT IS ISSUED BY THE PUBLIC WORKS DEPARTMENT.
- THE LOCATION OF UNDERGROUND UTILITIES INDICATED ON THE PLANS IS TAKEN FROM PUBLIC RECORDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF SUCH UNDERGROUND UTILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR EXACT LOCATION AND TO DETERMINE WHETHER ANY ADDITIONAL UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND UTILITIES. IF EXISTING UNDERGROUND UTILITIES ARE DAMAGED, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPAIRING THE UTILITY.
- WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
- ALL EXCAVATIONS, TRENCHING AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE U. S. DEPARTMENT OF LABOR, OSHA, "CONST. SAFETY AND HEALTH REGULATIONS", VOL. 29, SUBPART P. PG. 128 - 137, AND ANY AMENDMENTS THERETO.
- ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION. IN THE EVENT THAT SIGNIFICANT EROSION OCCURS AS A RESULT OF CONSTRUCTION THE CONTRACTOR SHALL RESTORE THE ERODED AREA TO ORIGINAL CONDITION OR BETTER.
- THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, CULVERT PIPES, DRAINAGE DITCHES, DRIVEWAYS, PRIVATE YARDS AND ROADWAYS.
- ANY CHANGES NEEDED AFTER CONSTRUCTION PLANS HAVE BEEN RELEASED, SHALL BE APPROVED BY THE CITY ENGINEER. THESE CHANGES MUST BE RECEIVED IN WRITING FROM THE DESIGN ENGINEER. THE DIRECTOR OF PUBLIC WORKS SHALL APPROVE ANY DEVIATIONS FROM STATE REGULATIONS.
- THE CONTRACTOR SHALL PROVIDE "RED LINED" MARKED PRINTS TO THE ENGINEER PRIOR TO FINAL INSPECTION INDICATING ALL CONSTRUCTION WHICH DEVIATED FROM THE PLANS OR WAS CONSTRUCTED IN ADDITION TO THAT INDICATED ON THE PLANS.



SITE DATA SUMMARY TABLE

PHYSICAL ADDRESS	S. ALAMO ROAD
GROSS SITE AREA	1.233 ACRES (53,716 S.F.)
NET AREA	1.233 ACRES (53,716 S.F.)
ZONING	DT - DOWNTOWN
CURRENT USE	VACANT
PROPOSED USE	BREWERY
LOT COVERAGE DATA	
BREW HOUSE COVERAGE	6,875 S.F. (12.60%)
TAP ROOM COVERAGE	2,495 S.F. (4.57%)
OFFICE/ADMIN. COVERAGE (2ND LEVEL)	750 S.F. (1.37%)
BUILDING FOOTPRINT	11,931 S.F. (21.87%)
TOTAL BUILDING AREA	13,781 S.F. (25.26%)
IMPERVIOUS COVERAGE	23,053 S.F. (42.26%)
PERVIOUS COVERAGE	31,496 S.F. (57.74%)
PARKING SUMMARY	
PARKING SPACE REQUIREMENTS	
MANUFACTURING - 1 PER 1,000 S.F. (7)	
TAP ROOM - 1 PER 100 S.F. (25)	
OFFICE - 1 PER 300 S.F. (3)	
FOOD TRUCK PARKING (1)	
TOTAL PARKING SPACES REQUIRED = 36	
TOTAL PARKING SPACES PROVIDED = 36	
BUILDING DATA	
BUILDING	1
PEAK HEIGHT	34'-0"
TOTAL SQUARE FOOTAGE	13,781 S.F.

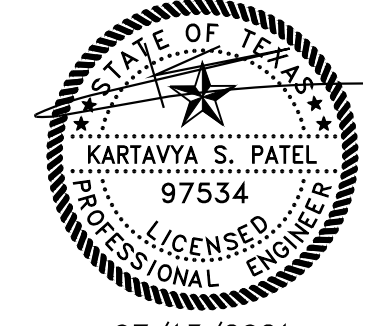
LEGEND

UTILITY EASEMENT	U.E.
SANITARY SEWER EASEMENT	S.S.E.
DETENTION & DRAINAGE EASEMENT	D.D.E.
WATERLINE EASEMENT	W.E.
VISIBILITY EASEMENT	V.E.
SIDEWALK EASEMENT	S.E.
ELECTRICAL EASEMENT	E.E.
CLEAN OUT	C.O.
GAS METER	GM
ELECTRICAL VAULT	EV
LIGHT POLE	LP
TRAFFIC SIGN	TS
ELECTRICAL TRANSFORMER	ET
FIRE HYDRANT	FH
SANITARY SEWER MANHOLE	SSMH
STORM SEWER MANHOLE	STMMH
BUILDING SET BACK	B.S.
LANDSCAPE BUFFER	L.B.
PRESSURE REDUCING VALVE	PRV
FIRE DEPARTMENT CONNECTION	F.D.C.
SCREENING WALL & LANDSCAPE ESAEMENT	S.W.L.E.
BARRIER FREE RAMP	BFR
VISIBILITY EASEMENT	V.E.
VISIBILITY CLIP	[Symbol]

DEVELOPER	ENGINEER	SURVEYOR	ARCHITECT
COOPER GENERAL CONTRACTORS 2560 TECHNOLOGY DRIVE, SUITE 100 PLANO, TEXAS 75074 CONTACT: DOUG GALLOWAY TEL: (972) 245-7960	TRIANGLE ENGINEERING LLC 1784 W. McDERMOTT DRIVE, SUITE 110 ALLEN, TEXAS 75013 CONTACT: KARTAVYA PATEL TEL: (214) 609-9271	A&W SURVEYORS INC. P.O. BOX 870029 MESQUITE, TEXAS 75157 CONTACT: JOHN TURNER, P.L.S. TEL: (972) 881-4975	MUNN HARRIS ARCHITECTS, PLLC 5646 MILTON STREET, SUITE 437 DALLAS, TEXAS 75206 CONTACT: JOHN MUNN TEL: (214) 564-5343

RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING, L.L.C., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



REDESIGNED SITE PLAN
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

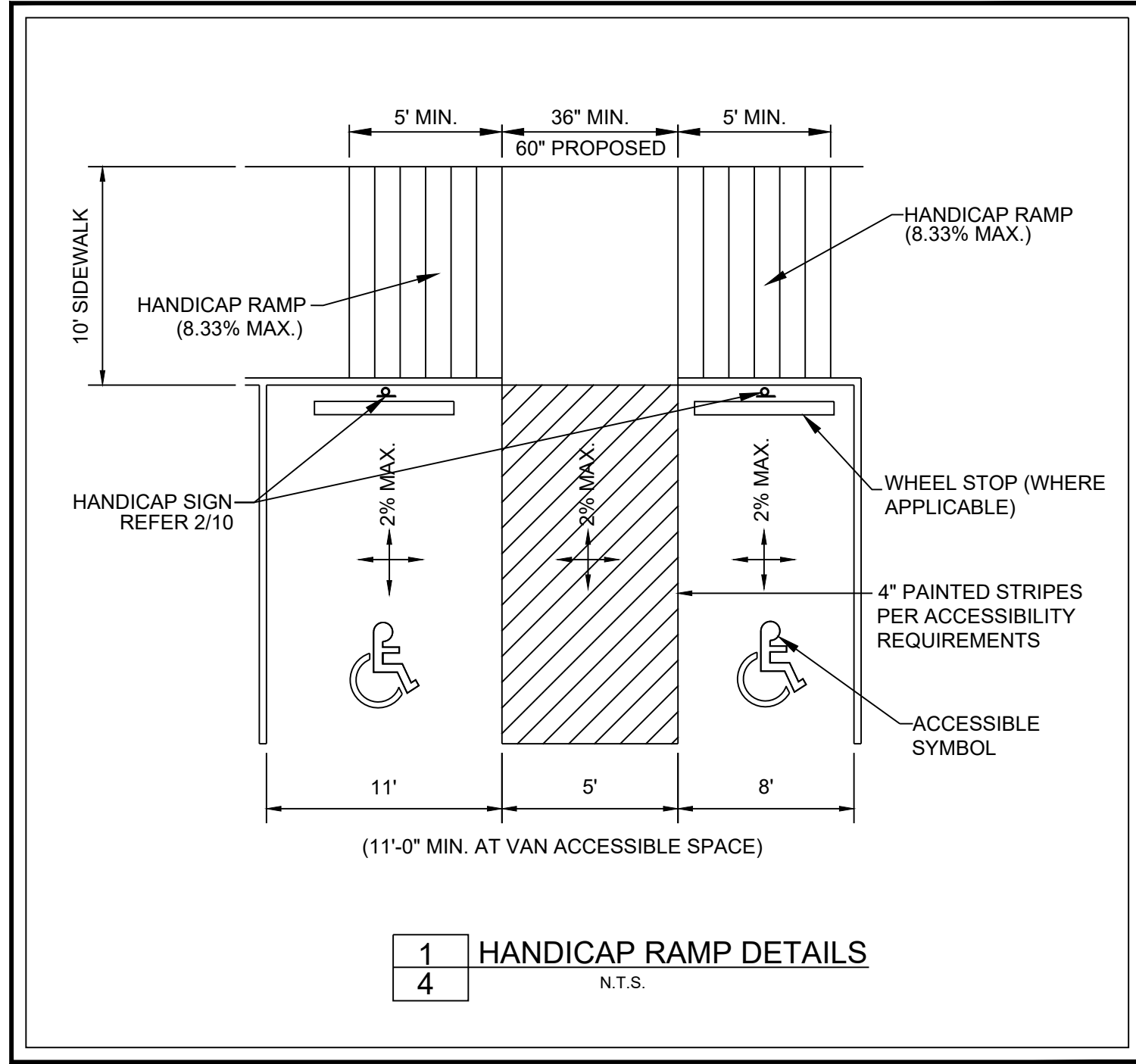
TRIANGLE ENGINEERING LLC
 T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
 W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

Planning | Civil Engineering | Construction Management

DESIGN	DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	01/10/19	SEE SCALE	003-18	3

TX PE FIRM #11525

07/13/2021

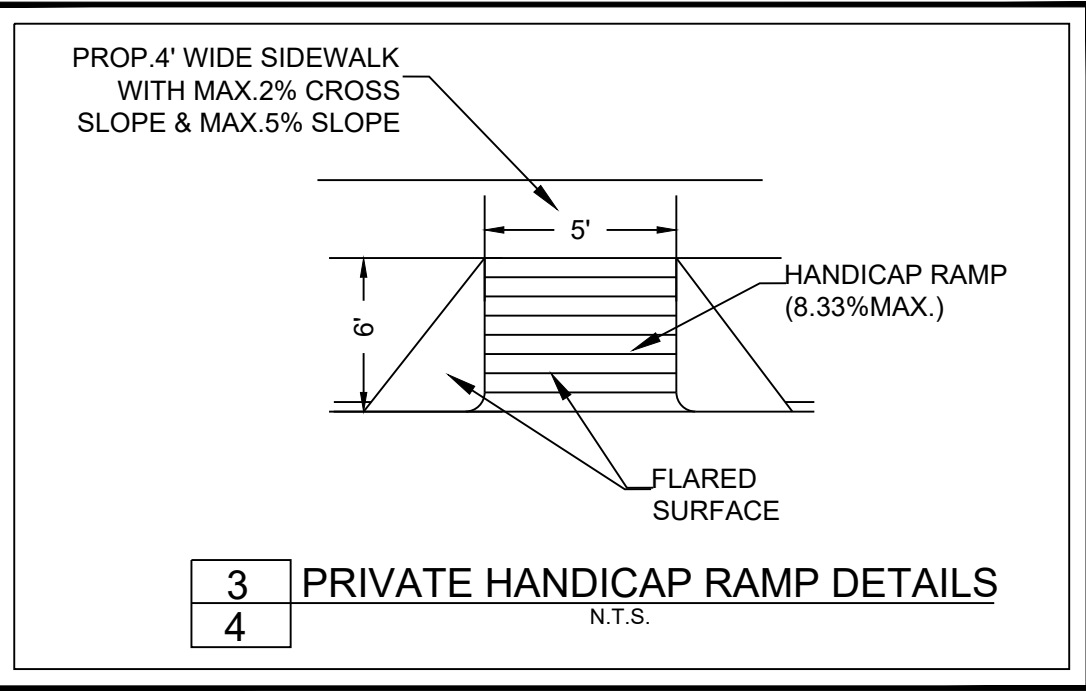
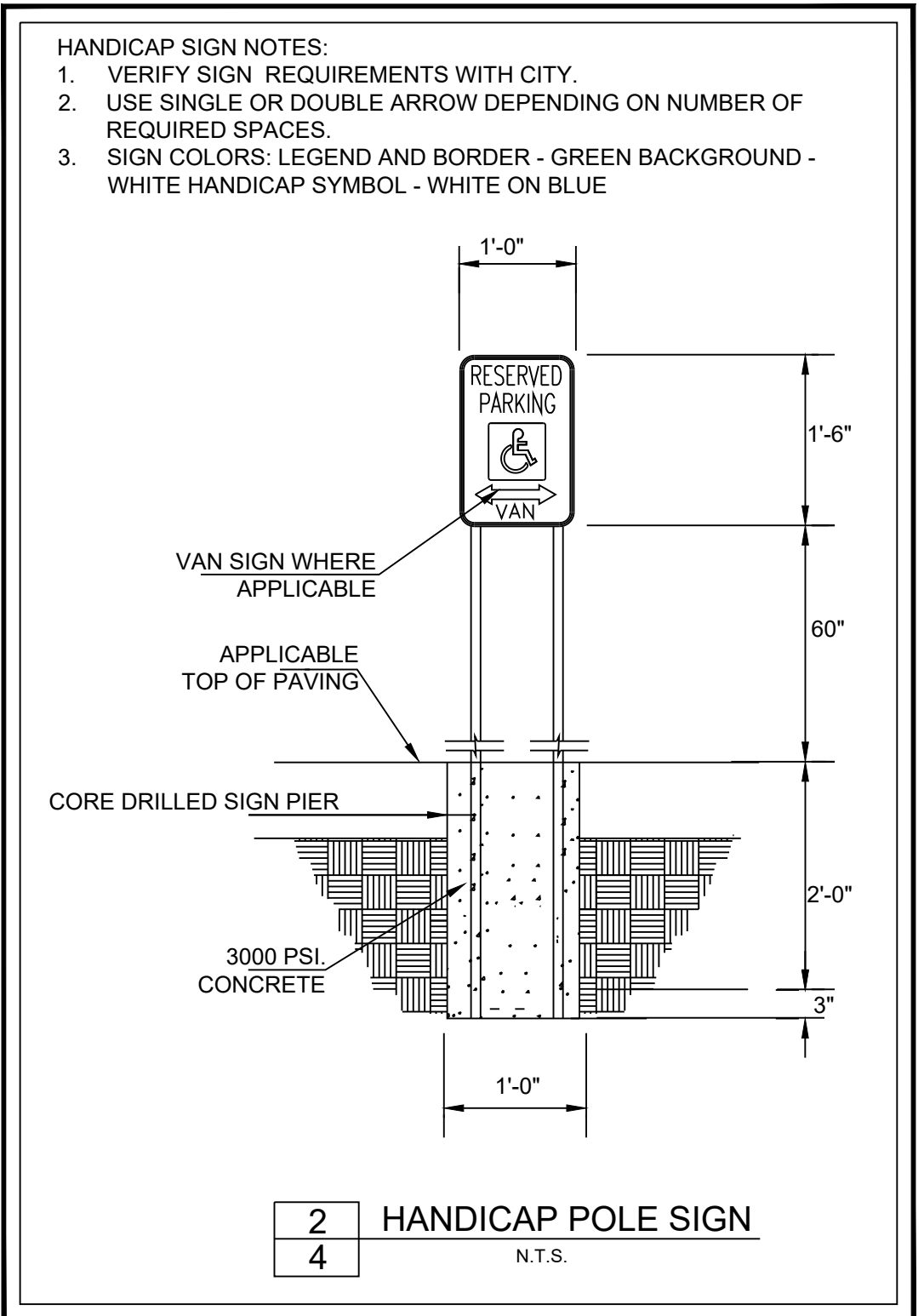
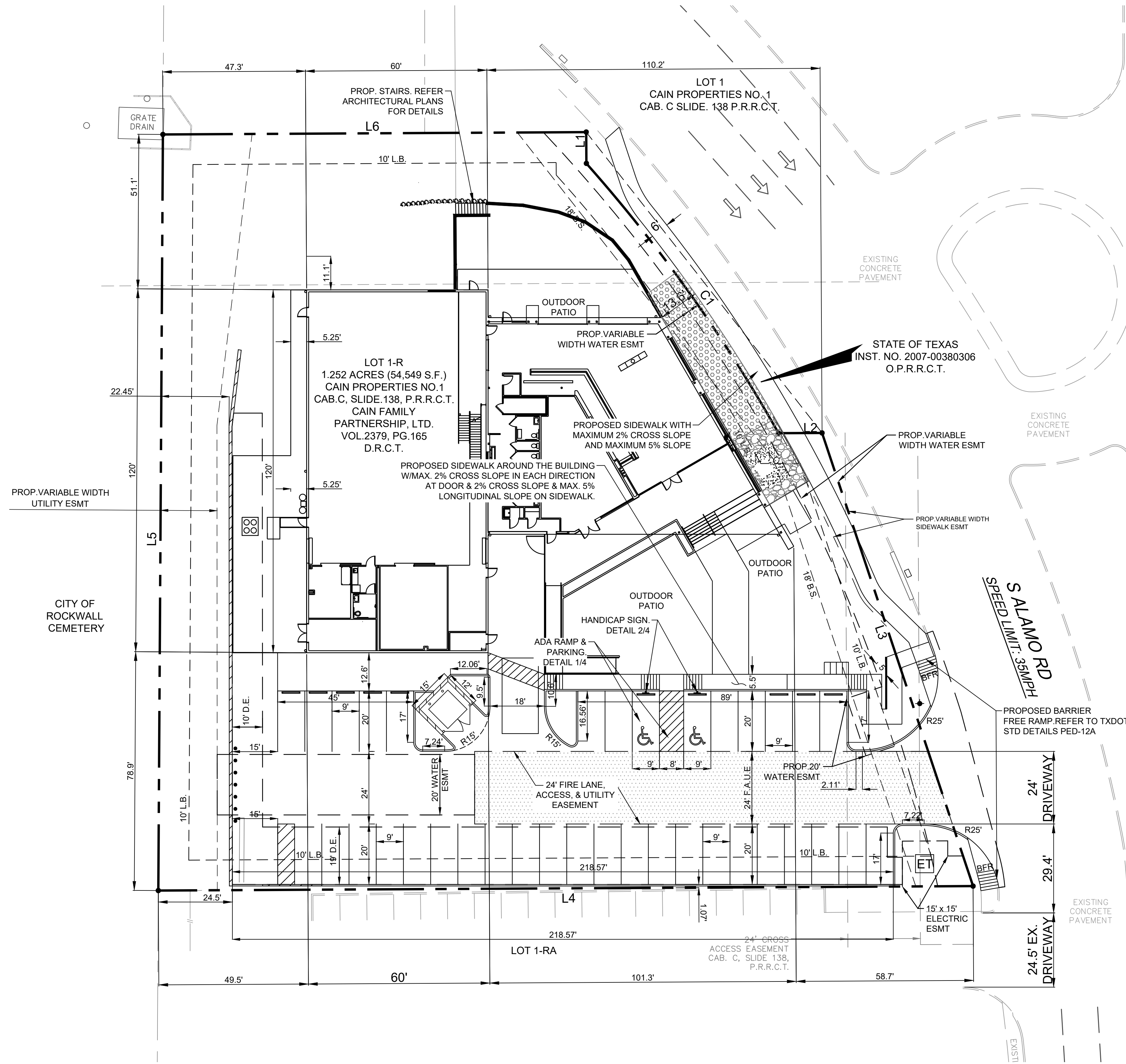


BOUNDARY LINE DATA

LINE NO.	BEARING	DISTANCE
L1	S 00°19'31" E	10.36'
L2	N 89°40'29" E	14.40'
L3	S 18°25'49" E	157.96'
L4	S 89°41'12" W	269.46'
L5	N 00°20'48" E	250.05'
L6	N 89°41'09" E	140.00'

CURVE DATA TABLE

NO.	LENGTH	RADIUS	DELTA	CH BEARING	CH LENGTH
C1	109.72'	515.62'	12°11'32"	S 35°27'40" E	109.51'



RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING,LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



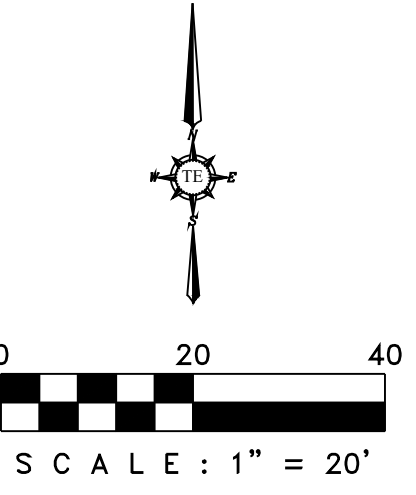
DIMENSION CONTROL
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TRIANGLE ENGINEERING LLC

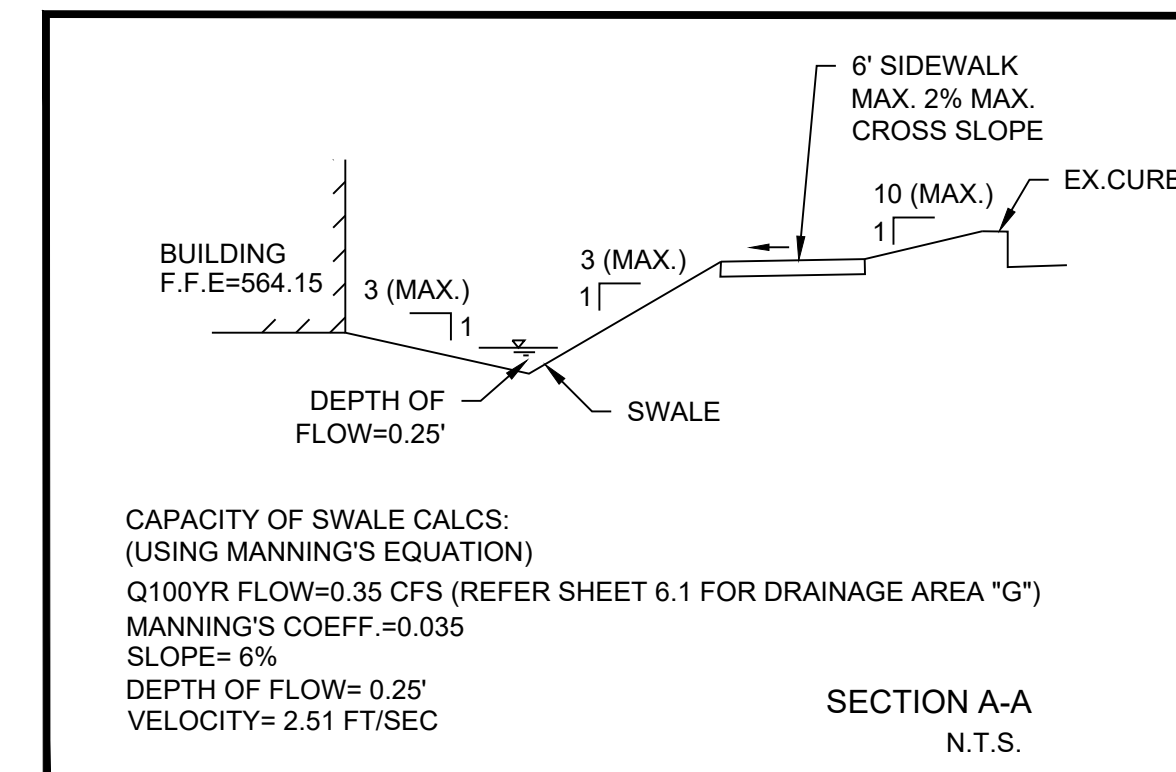
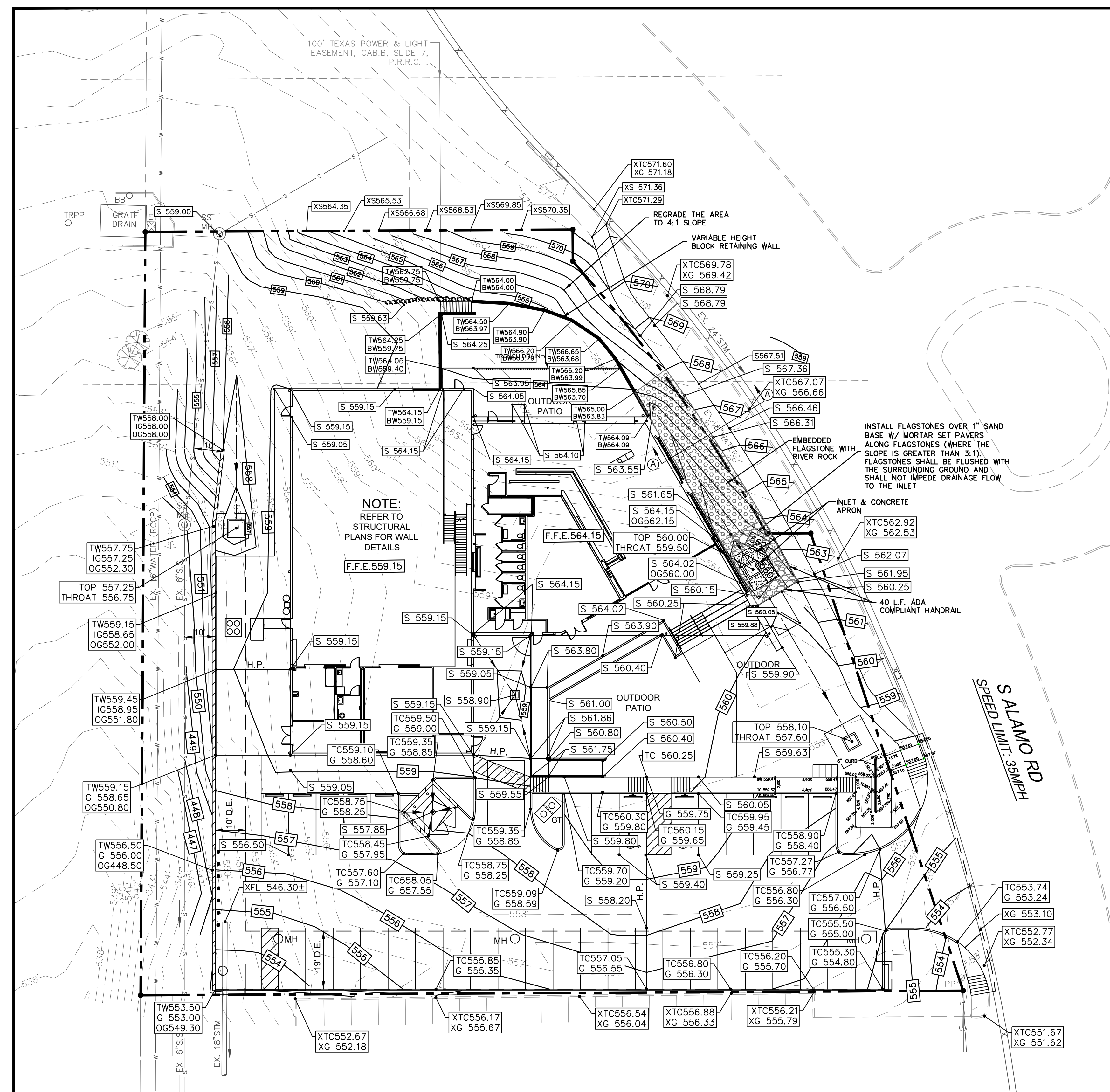
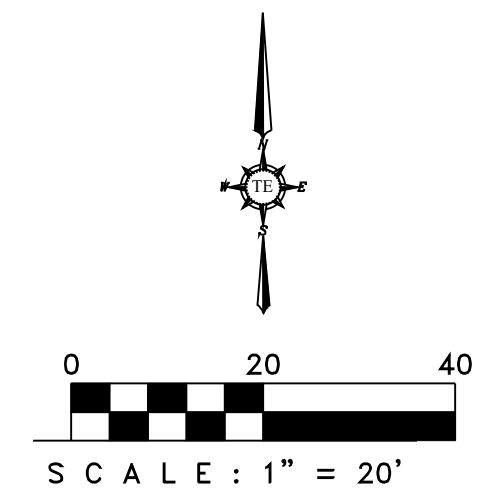
T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

Design	Civil Engineering	Construction Management			
DESIGN DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.	
KP	AR	01/10/19	SEE SCALE	003-18	4

TX PE FIRM #11525



07/13/2021

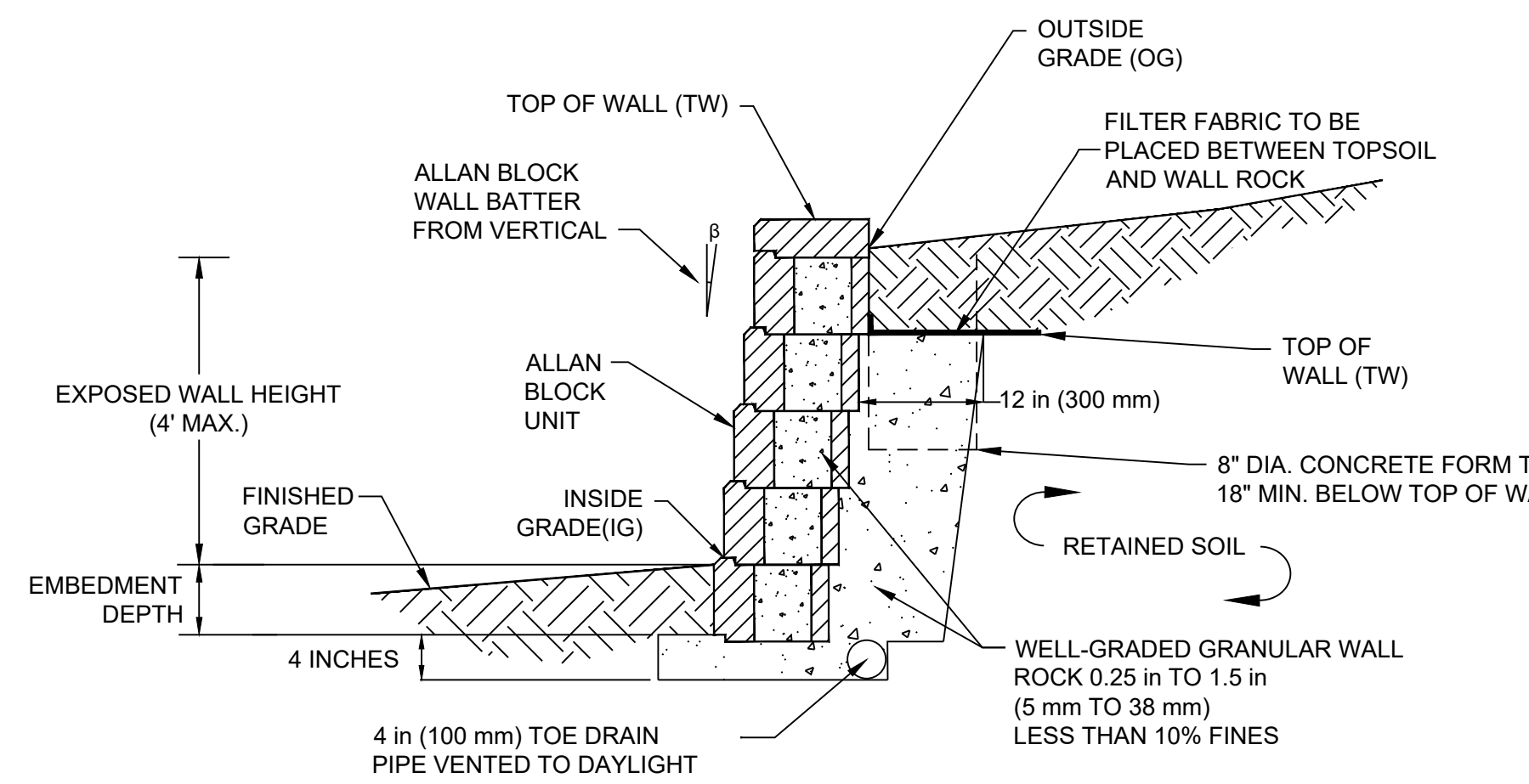


LEGEND

SPOT ELEVATION AT FINISHED GRADE	S559.07
TOP OF CURB	TC560.30
TOP OF THE PAVEMENT	G 559.80
TOP OF THE RETAINING WALL	TW 568.50
INSIDE GRADE OF THE RETAINING WALL	IG 562.50
OUTSIDE GRADE OF THE RETAINING WALL	OG 568.00
EX. TOP OF CURB	XTC552.74
EX. GUTTER	XG552.34
EX. SPOT ELEVATION AT GRADE	XS571.36
MATCH EXISTING GRADE	M.E.
EXISTING CONTOURS	-565-
PROPOSED CONTOURS	555
PROPOSED SWALE	555

GRADING GENERAL NOTE

- ALL SURPLUS EXCAVATION AND WASTE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BE HIS SOLE RESPONSIBILITY TO REMOVE SUCH SURPLUS EXCAVATION AND WASTE MATERIAL FROM THE SITE TO A PUBLIC DUMP SITE APPROVED FOR THE DISPOSAL OF SUCH MATERIALS. IF SURPLUS EXCAVATION IS REMOVED FROM THIS SITE TO ANOTHER PROPERTY, IT SHALL BE PLACED ON SUCH PROPERTY WITH THE WRITTEN CONSENT OF THE OWNER(S) OF SUCH PROPERTY. A COPY OF SUCH WRITTEN CONSENT SHALL BE PROVIDED TO THE OWNER. IF THE CONTRACTOR WISHES TO DISPOSE OF SURPLUS EXCAVATION ON-SITE, IT SHALL BE ONLY WITH THE PRIOR APPROVAL OF THE OWNERS PROJECT REPRESENTATIVE AND CARE SHOULD BE TAKEN TO AVOID BLOCKING NATURAL DRAINAGE AND INCREASING STEEP SLOPES. IF ANY OF THE HAULED EXCAVATION MATERIAL IS TAKEN TO ANOTHER LOCATION WITHIN THE CITY OF FRISCO LIMITS, THE OWNER OF THE PROPERTY IS REQUIRED TO OBTAIN A LOT GRADING PERMIT BEFORE MATERIAL IS DELIVERED.
- THE CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN STAKING AND TO VERIFY PROJECT ELEVATIONS. "MATCH EXISTING" SHALL BE UNDERSTOOD TO APPLY TO BOTH VERTICAL ELEVATION AND HORIZONTAL ALIGNMENT.
- THE CONTRACTOR SHALL PREPARE ALL LANDSCAPE AREAS INCLUDING STREET RIGHT-OF-WAY AREAS TO AN ACCEPTABLE SUBGRADE CONDITION IN ACCORDANCE WITH THE LANDSCAPE PLANS. IF THE CONTRACTOR IS NOT EMPLOYED TO PROVIDE AND INSTALL LANDSCAPING, HE SHALL PREPARE A FINISHED AND COMPACTED SUBGRADE IN THE LANDSCAPING AREAS 4" BELOW NOMINAL FINISH GRADE AS SHOWN ON THE PLANS AND SHALL ADD 2" OF TOPSOIL TO BRING LANDSCAPING SUB-GRADE AS PROVIDED TO THE LANDSCAPING CONTRACTOR, TO 2" BELOW NOMINAL FINISH GRADE.
- NO SLOPES TO EXCEED 4H:1V WITHOUT SLOPE STABILIZATION.
- ALL FILL TO BE COMPACTED TO A MINIMUM 95% OF STANDARD DENSITY USING A SHEEP'S FOOT ROLLER
- CONTRACTOR TO ADJUST ALL PROPOSED AND EXISTING UTILITIES TO FINISHED GARDE.
- DETENTION SYSTEM MUST BE FULLY INSTALLED AND FUNCTIONING PRIOR TO ANY PAVING (INCLUDING SLAB) BEING INSTALLED.



VARIABLE HEIGHT BLOCK RETAINING WALL
N.T.S.

NOTE:

- ALL WALLS 3' OR TALLER TO BE DESIGNED BY A PROFESSIONAL ENGINEER.
- NO SMOOTH CONCRETE WALLS ARE ALLOWED. ALL WALLS TO BE ROCK OR STONE.
- NO PORTION OF THE WALL (FOOTINGS, TIE-BACKS, GRANULAR BACKFILL, ETC.) TO BE IN ANY EASEMENTS, RIGHT-OF-WAYS OR OFF-SITE.

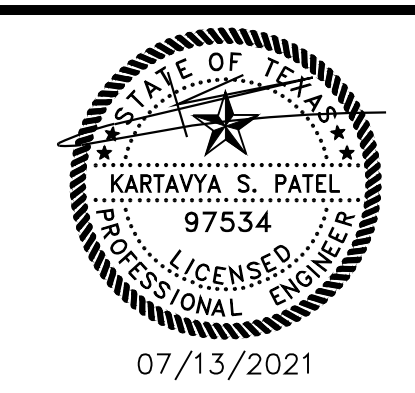
BENCHMARK
CITY OF ROCKWELL MONUMENT R005-1 BRASS CAP
ELEVATION = 578.63'

FLOOD NOTE:
ACCORDING TO THE FLOOD INSURANCE RATE MAP (FIRM) MAP COMMUNITY PANEL NO. 48397C040L, DATED SEPTEMBER 26, 2008. PREPARED BY THE FEDERAL MANAGEMENT AGENCY (FEMA) FOR ROCKWALL COUNTY, TEXAS. THIS PROPERTY IS LOCATED IN ZONE 'X'.

LAND DISTURBANCE CALCULATION

ITEMS	AREA
SITE AREA	53,716 SF/1.233 ACRES
TOTAL DISTURBED AREA	53,143 SF/1.220 ACRES
NON DISTURBED AREA	590 SF/0.013 ACRES

RECORD DRAWINGS
"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING,LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"

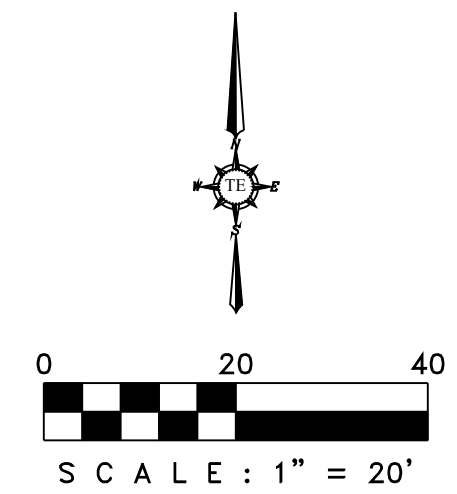


GRADING PLAN
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

DESIGN/DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	01/10/19	003-18	5

TX PE FIRM #11525



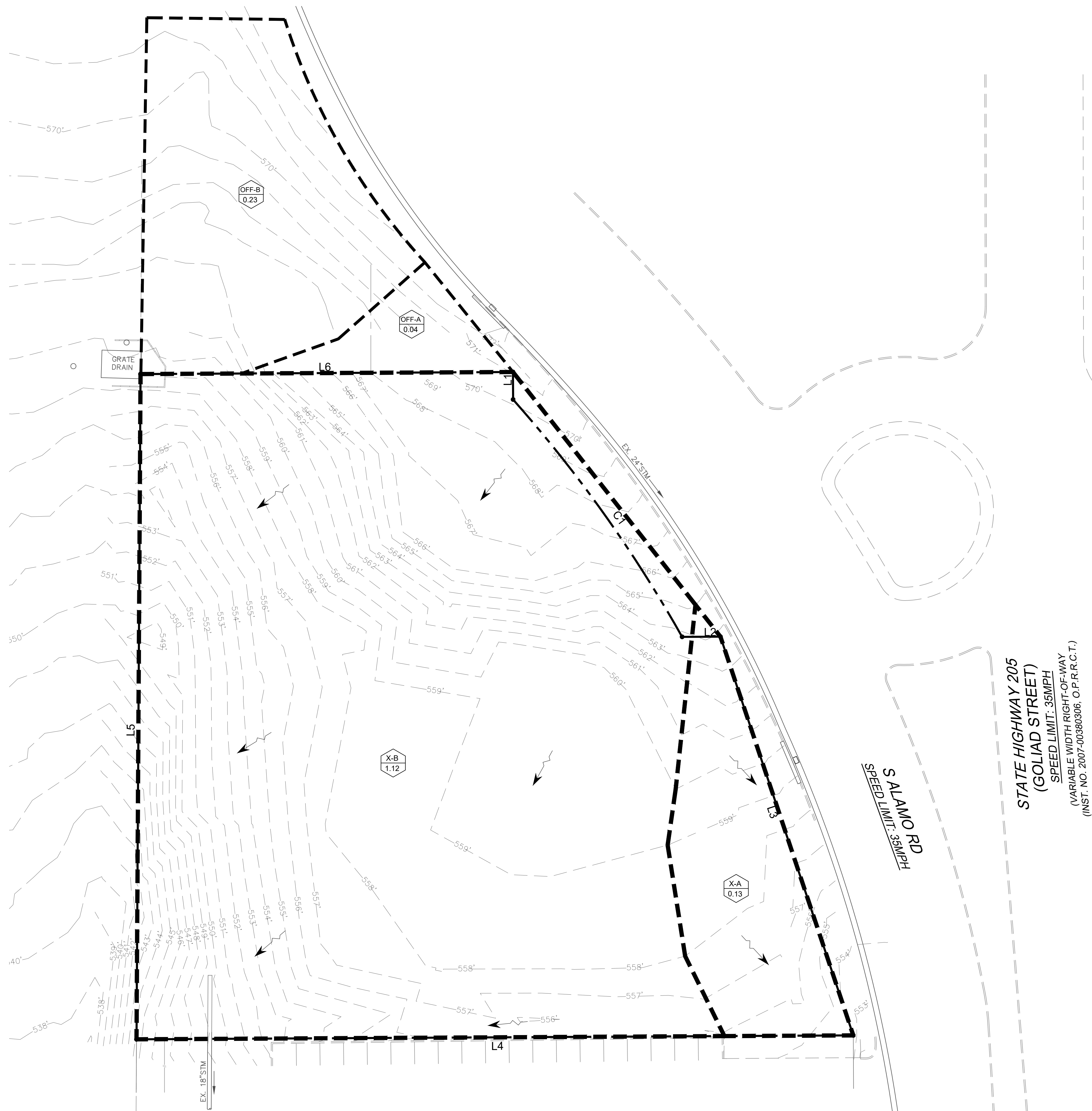
DRAINAGE LEGEND

- AREA NO.
AREA ACREAGE
- DRAINAGE DIVIDE
- FLOW DIRECTION
- PROPOSED CONTOURS
- EXISTING CONTOURS
- BASE FLOOD LIMIT
- FLOW ARROWS

FLOOD NOTE:

ACCORDING TO THE FLOOD INSURANCE RATE MAP (FIRM) MAP COMMUNITY PANEL NO. 48397C0040L, DATED SEPTEMBER 26, 2008, PREPARED BY THE FEDERAL MANAGEMENT AGENCY (FEMA) FOR ROCKWALL COUNTY, TEXAS, THIS PROPERTY IS LOCATED IN ZONE 'X'.

BENCHMARK
CITY OF ROCKWELL MONUMENT R005-1
BRASS CAP
ELEVATION = 578.63'



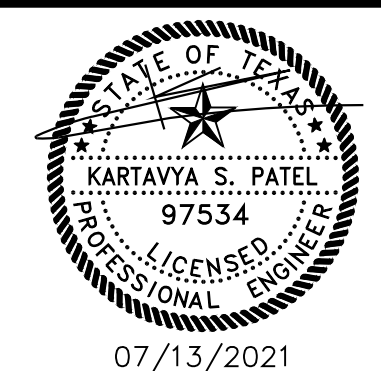
STATE HIGHWAY 205
(GOLIAD STREET)
SPEED LIMIT: 35MPH
(VARIABLE WIDTH RIGHT-OF-WAY
(INST. NO. 2007-00380306, O.P.R.C.T.))

PRE-DEVELOPED DRAINAGE CALCULATIONS

Drainage Area	C	Tc (min)	A (acres)	I-5 (in/hr)	I-10 (in/hr)	I-25 (in/hr)	I-50 (in/hr)	I-100 (in/hr)	Q-5yr (cfs)	Q-10yr (cfs)	Q-25yr (cfs)	Q-50yr (cfs)	Q-100yr (cfs)
X-A	0.35	20	0.13	5.00	5.70	6.75	7.50	8.30	0.23	0.26	0.31	0.34	0.38
X-B	0.35	20	1.12	5.00	5.70	6.75	7.50	8.30	1.96	2.23	2.65	2.94	3.25
OFF-A	0.35	20	0.04	5.00	5.70	6.75	7.50	8.30	0.07	0.08	0.09	0.10	0.12
OFF-B	0.35	20	0.23	5.00	5.70	6.75	7.50	8.30	0.40	0.46	0.54	0.60	0.67

RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING,LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



EXISTING DRAINAGE MAP
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TRIANGLE ENGINEERING LLC

T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

Planning | Civil Engineering | Construction Management

DESIGN/DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	01/10/19	SEE SCALE	003-18

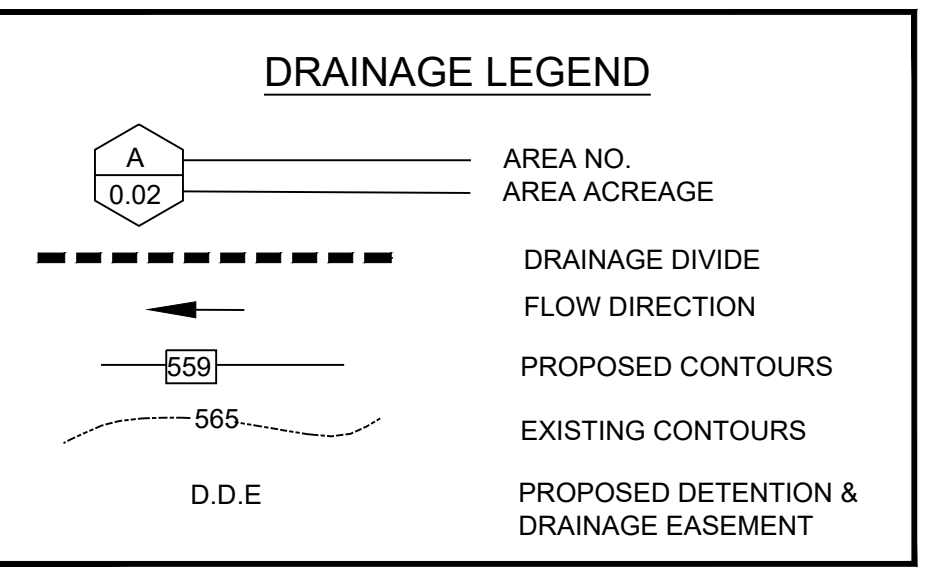
TX PE FIRM #11525

6

07/13/2021

BENCHMARK
CITY OF ROCKWELL MONUMENT R005-1 BRASS CAP ELEVATION = 578.63'

- NOTE**
1. VERIFY ROOF DRAIN LOCATION WITH ARCHITECTURAL PLANS.
 2. ALL ROOF DRAINS TO CONNECT STORM SEWER SYSTEM.
 3. POSITIVE DRAINAGE SHALL BE ALLOWED AROUND THE BUILDING FOUNDATION TO PREVENT WATER GOING TO BUILDING.
 4. ALL STORM SYSTEM IS PRIVATE.



DEVELOPED DRAINAGE CALCULATIONS (100yr FLOW)

Drainage Area	C	Tc (min)	A (acres)	I-100 (in/hr)	Q-100yr (cfs)	Remark
A	0.90	10	0.02	9.80	0.18	SHEET FLOW (BY PASS) TO ALAMO
B	0.90	10	0.12	9.80	1.06	FLOW TO CURB INLET TO DETENTION
C	0.90	10	0.27	9.80	2.38	FLOW TO COMBINATION INLET TO DETENTION
D	0.90	10	0.15	9.80	1.32	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER
E	0.90	10	0.22	9.80	1.94	FLOW TO DROP INLET-1 TO DETENTION
F	0.90	10	0.22	9.80	1.94	FLOW TO DROP INLET-1 TO DETENTION
G	0.90	10	0.04	9.80	0.35	FLOW TO DROP INLET-3 TO DETENTION
H	0.90	10	0.15	9.80	1.32	FLOW TO DROP INLET-2 TO DETENTION
I	0.90	10	0.06	9.80	0.53	FLOW TO GRATE INLET-2 TO DETENTION
OFF-A	0.35	20	0.04	8.30	0.12	FLOW TO DROP INLET-1 TO DETENTION
OFF-B	0.35	20	0.23	8.30	0.67	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER

DEVELOPED DRAINAGE CALCULATIONS (50yr FLOW)

Drainage Area	C	Tc (min)	A (acres)	I-50 (in/hr)	Q-50yr (cfs)	Remark
A	0.90	10	0.02	9.00	0.16	SHEET FLOW (BY PASS) TO ALAMO
B	0.90	10	0.12	9.00	0.97	FLOW TO CURB INLET TO DETENTION
C	0.90	10	0.27	9.00	2.19	FLOW TO COMBINATION INLET TO DETENTION
D	0.90	10	0.15	9.00	1.22	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER
E	0.90	10	0.22	9.00	1.78	FLOW TO DROP INLET-1 TO DETENTION
F	0.90	10	0.22	9.00	1.78	FLOW TO DROP INLET-1 TO DETENTION
G	0.90	10	0.04	9.00	0.32	FLOW TO DROP INLET-3 TO DETENTION
H	0.90	10	0.15	9.00	1.22	FLOW TO DROP INLET-2 TO DETENTION
I	0.90	10	0.06	9.00	0.49	FLOW TO GRATE INLET-2 TO DETENTION
OFF-A	0.35	20	0.04	7.50	0.10	FLOW TO DROP INLET-1 TO DETENTION
OFF-B	0.35	20	0.23	7.50	0.60	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER

DEVELOPED DRAINAGE CALCULATIONS (25yr FLOW)

Drainage Area	C	Tc (min)	A (acres)	I-25 (in/hr)	Q-25yr (cfs)	Remark
A	0.90	10	0.02	8.30	0.15	SHEET FLOW (BY PASS) TO ALAMO
B	0.90	10	0.12	8.30	0.90	FLOW TO CURB INLET TO DETENTION
C	0.90	10	0.27	8.30	2.02	FLOW TO COMBINATION INLET TO DETENTION
D	0.90	10	0.15	8.30	1.12	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER
E	0.90	10	0.22	8.30	1.64	FLOW TO DROP INLET-1 TO DETENTION
F	0.90	10	0.22	8.30	1.64	FLOW TO DROP INLET-1 TO DETENTION
G	0.90	10	0.04	8.30	0.30	FLOW TO DROP INLET-3 TO DETENTION
H	0.90	10	0.15	8.30	1.12	FLOW TO DROP INLET-2 TO DETENTION
I	0.90	10	0.06	8.30	0.45	FLOW TO GRATE INLET-2 TO DETENTION
OFF-A	0.35	20	0.04	6.75	0.09	FLOW TO DROP INLET-1 TO DETENTION
OFF-B	0.35	20	0.23	6.75	0.54	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER

DEVELOPED DRAINAGE CALCULATIONS (10yr FLOW)

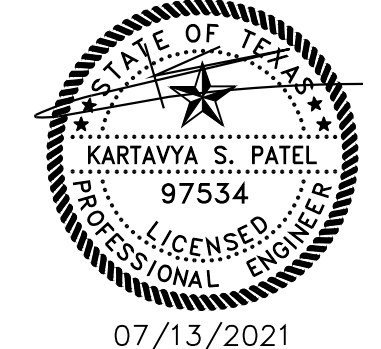
Drainage Area	C	Tc (min)	A (acres)	I-10 (in/hr)	Q-10yr (cfs)	Remark
A	0.90	10	0.02	8.00	0.14	SHEET FLOW (BY PASS) TO ALAMO
B	0.90	10	0.12	8.00	0.86	FLOW TO CURB INLET TO DETENTION
C	0.90	10	0.27	8.00	1.94	FLOW TO COMBINATION INLET TO DETENTION
D	0.90	10	0.15	8.00	1.08	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER
E	0.90	10	0.22	8.00	1.58	FLOW TO DROP INLET-1 TO DETENTION
F	0.90	10	0.22	8.00	1.58	FLOW TO DROP INLET-1 TO DETENTION
G	0.90	10	0.04	8.00	0.29	FLOW TO DROP INLET-3 TO DETENTION
H	0.90	10	0.15	8.00	1.08	FLOW TO DROP INLET-2 TO DETENTION
I	0.90	10	0.06	8.00	0.43	FLOW TO GRATE INLET-2 TO DETENTION
OFF-A	0.35	20	0.04	5.70	0.08	FLOW TO DROP INLET-1 TO DETENTION
OFF-B	0.35	20	0.23	5.70	0.46	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER

DEVELOPED DRAINAGE CALCULATIONS (5yr FLOW)

Drainage Area	C	Tc (min)	A (acres)	I-5 (in/hr)	Q-5yr (cfs)	Remark
A	0.90	10	0.02	6.90	0.12	SHEET FLOW (BY PASS) TO ALAMO
B	0.90	10	0.12	6.90	0.75	FLOW TO CURB INLET TO DETENTION
C	0.90	10	0.27	6.90	1.68	FLOW TO COMBINATION INLET TO DETENTION
D	0.90	10	0.15	6.90	0.93	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER
E	0.90	10	0.22	6.90	1.37	FLOW TO DROP INLET-1 TO DETENTION
F	0.90	10	0.22	6.90	1.37	FLOW TO DROP INLET-1 TO DETENTION
G	0.90	10	0.04	6.90	0.25	FLOW TO DROP INLET-3 TO DETENTION
H	0.90	10	0.15	6.90	0.93	FLOW TO DROP INLET-2 TO DETENTION
I	0.90	10	0.06	6.90	0.37	FLOW TO GRATE INLET-2 TO DETENTION
OFF-A	0.35	20	0.04	5.00	0.07	FLOW TO DROP INLET-1 TO DETENTION
OFF-B	0.35	20	0.23	5.00	0.40	SHEET FLOW (BY PASS) TO SOUTHWEST CORNER

RAINFALL EVENT	ALLOWABLE DISCHARGE	MAXIMUM DISCHARGE FROM DETENTION POND	BYPASS RUNOFF
100-YEAR	4.04 CFS	2.05 CFS	1.99 CFS
50-YEAR	3.64 CFS	1.82 CFS	1.82 CFS
25-YEAR	3.28 CFS	1.62 CFS	1.66 CFS
10-YEAR	2.77 CFS	1.23 CFS	1.54 CFS
5-YEAR	2.43 CFS	1.10 CFS	1.33 CFS

RECORD DRAWINGS
"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING, L.L.C., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



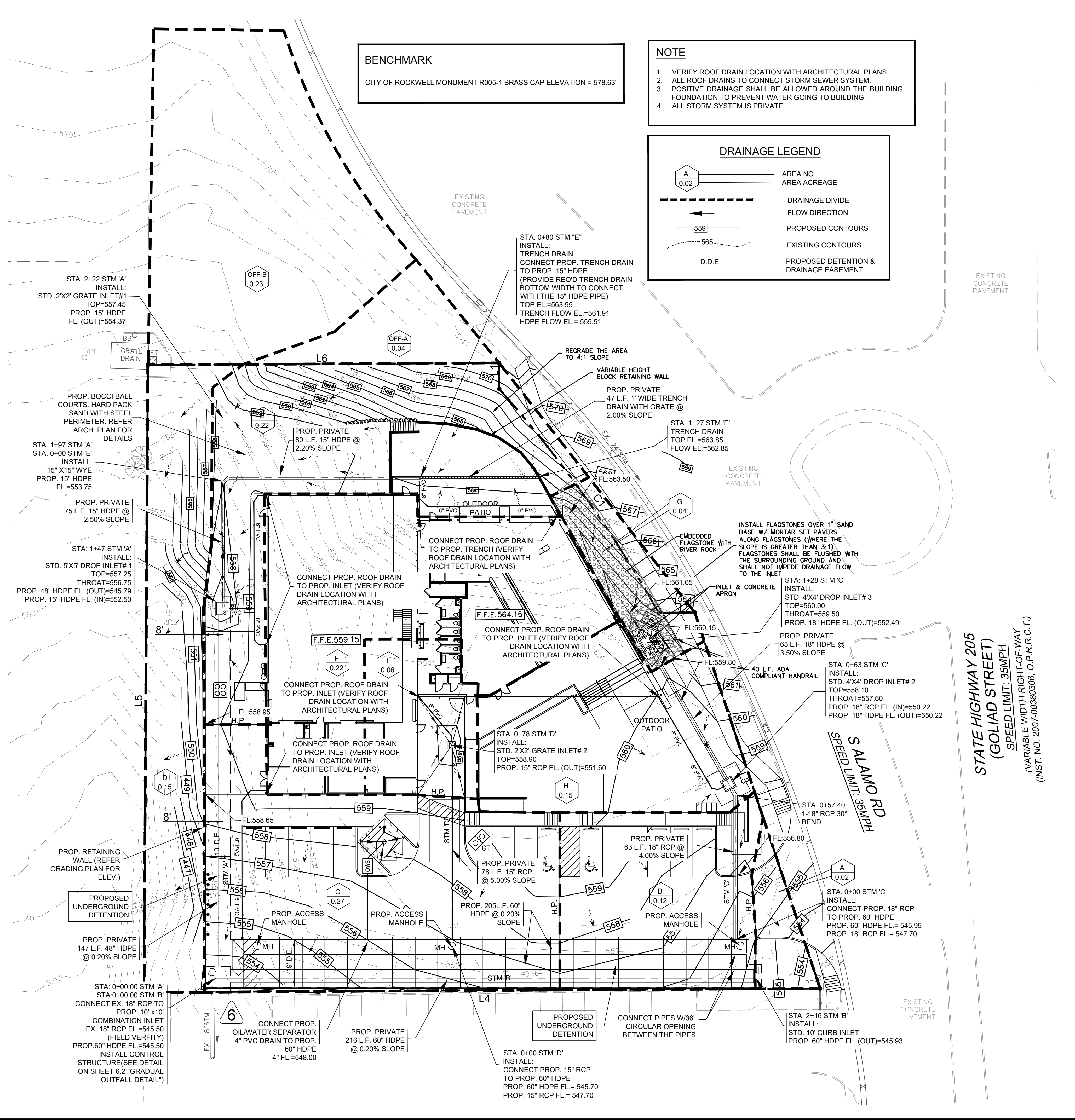
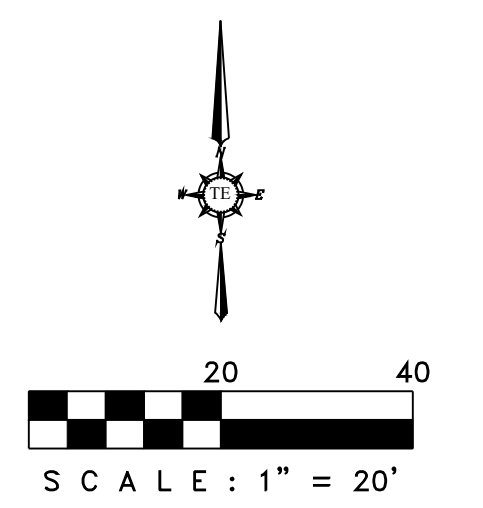
PROPOSED DRAINAGE PLAN
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TRIANGLE ENGINEERING LLC

T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

DESIGN DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	01/10/19	SEE SCALE	003-18

TX PE FIRM #11525



STORAGE CALCULATIONS (100 YR RAINFALL EVENT)							
STORM DATA REFERENCE: CITY STANDARD RAINFALL INTENSITY-FIGURE 1 FOR 100 YEAR STORM FREQUENCY							
DISCHARGE FROM SURFACE DETENTION POND: 2.05 CFS (REFER ORIFICE CALCULATIONS THIS SHEET)							
TOTAL DETAINED AREA= 1.12 AC. (DRAINAGE AREAS B,C,E, F,G,H,I & OFF-A); BY PASS (D & OFF-B)=0.38 AC.							
STORM DURATION DATA & DETENTION POND SYSTEM CALCULATIONS							
TIME (Min)	C x Cf (100-Year)	I ¹⁰⁰ (in/hr)	TOTAL AREA (Acres)	Q (CFS)	INFLOW (CF)	OUTFLOW (CF)	STORAGE (CF)
10	0.88	9.00	1.12	9.96	5,795	1,230	4,565
20	0.88	8.30	1.12	9.18	5,317	1,845	3,472
30	0.88	6.90	1.12	6.80	12,241	2,460	9,781
40	0.88	5.80	1.12	5.72	13,720	3,075	10,645
50	0.88	5.00	1.12	4.93	14,784	3,690	11,094
60	0.88	4.50	1.12	4.44	15,967	4,305	11,662
70	0.88	4.00	1.12	3.94	16,558	4,920	11,638
80	0.88	3.70	1.12	3.65	17,524	5,535	11,989
90	0.88	3.50	1.12	3.45	18,626	6,150	12,476
100	0.88	3.40	1.12	3.35	20,106	6,765	13,341
110	0.88	3.15	1.12	3.10	20,491	7,380	13,111

REQUIRED STORAGE VOLUME SUMMARY:

REQUIRED STORAGE VOLUME= INFLOW-OUTFLOW
INFLOW= STORM DURATION X RESPECTIVE PEAK DISCHARGE X 60 SEC./MIN
OUTFLOW= HALF OF THE RESPECTIVE INFLOW DURATION X CONTROL RELEASE DISCHARGE X 60 SEC./MIN

100 YEAR STORM EVENT @ 100MIN.
INFLOW= 0.88 X 3.4 X 1.12 X 100 X 60= 20,106 CF
OUTFLOW= 0.5 X 2.05 X 110 X 60= 6,765 CF

REQUIRED DETENTION SYSTEM STORAGE CAPACITY = INFLOW-OUTFLOW= 20,106-6,755= 13,341 CF
626 L.F. 60" HDPE (12,285 CF) + 147 L.F. 48" HDPE (1,846 CF)=14,131 CF

STORAGE CALCULATIONS (60 YR RAINFALL EVENT)							
STORM DATA REFERENCE: CITY STANDARD RAINFALL INTENSITY-FIGURE 1 FOR 50 YEAR STORM FREQUENCY							
DISCHARGE FROM SURFACE DETENTION POND: 1.82 CFS (REFER ORIFICE CALCULATIONS THIS SHEET)							
TOTAL DETAINED AREA= 1.12 AC. (DRAINAGE AREAS B,C,E, F,G,H,I & OFF-A); BY PASS (D & OFF-B)=0.38 AC.							
STORM DURATION DATA & DETENTION POND SYSTEM CALCULATIONS							
TIME (Min)	C x Cf (50-Year)	I ⁵⁰ (in/hr)	TOTAL AREA (Acres)	Q (CFS)	INFLOW (CF)	OUTFLOW (CF)	STORAGE (CF)
10	0.88	9.00	1.12	9.87	5,322	1,092	4,230
20	0.88	7.50	1.12	7.39	8,870	1,638	7,232
30	0.88	6.20	1.12	6.11	10,999	2,184	8,815
40	0.88	5.25	1.12	5.17	12,419	2,730	9,689
50	0.88	4.50	1.12	4.44	13,208	3,276	10,030
60	0.88	3.90	1.12	3.84	13,838	3,822	10,016
70	0.88	3.48	1.12	3.43	14,406	4,368	10,038
80	0.88	3.17	1.12	3.12	14,997	4,914	10,083
90	0.88	2.90	1.12	2.86	15,434	5,460	9,974
100	0.88	2.60	1.12	2.56	15,375	6,006	9,369

REQUIRED STORAGE VOLUME SUMMARY:

REQUIRED STORAGE VOLUME= INFLOW-OUTFLOW
INFLOW= STORM DURATION X RESPECTIVE PEAK DISCHARGE X 60 SEC./MIN
OUTFLOW= HALF OF THE RESPECTIVE INFLOW DURATION X CONTROL RELEASE DISCHARGE X 60 SEC./MIN

50 YEAR STORM EVENT @ 80 MIN.
INFLOW= 0.88 X 3.17 X 1.12 X 80 X 60= 14,997 CF
OUTFLOW= 0.5 X 1.82 X 90 X 60= 4,914 CF

REQUIRED DETENTION SYSTEM STORAGE CAPACITY = INFLOW-OUTFLOW= 14,997-4,914= 10,083 CF
626 L.F. 60" HDPE (12,285 CF) + 147 L.F. 48" HDPE (1,846 CF)=14,131 CF

STORAGE CALCULATIONS (25 YR RAINFALL EVENT)							
STORM DATA REFERENCE: CITY STANDARD RAINFALL INTENSITY-FIGURE 1 FOR 25 YEAR STORM FREQUENCY							
DISCHARGE FROM SURFACE DETENTION POND: 1.62 CFS (REFER ORIFICE CALCULATIONS THIS SHEET)							
TOTAL DETAINED AREA= 1.12 AC. (DRAINAGE AREAS B,C,E, F, G,H,I & OFF-A); BY PASS (D & OFF-B)=0.38 AC.							
STORM DURATION DATA & DETENTION POND SYSTEM CALCULATIONS							
TIME (Min)	C x Cf (25-Year)	I ²⁵ (in/hr)	TOTAL AREA (Acres)	Q (CFS)	INFLOW (CF)	OUTFLOW (CF)	STORAGE (CF)
10	0.88	8.30	1.12	8.18	4,908	972	3,936
20	0.88	6.75	1.12	6.65	7,983	1,458	6,525
30	0.88	5.50	1.12	5.42	9,757	1,944	7,813
40	0.88	4.50	1.12	4.44	10,644	2,430	8,214
50	0.88	4.00	1.12	3.94	11,827	2,916	8,911
60	0.88	3.50	1.12	3.45	12,419	3,402	9,017
70	0.88	3.25	1.12	3.20	13,453	3,888	9,565
80	0.88	2.95	1.12	2.91	13,955	4,374	9,582
90	0.88	2.60	1.12	2.56	13,838	4,860	8,978
100	0.88	2.30	1.12	2.27	13,601	5,346	8,255
110	0.88	2.10	1.12	2.07	13,660	5,832	7,828

REQUIRED STORAGE VOLUME SUMMARY:

REQUIRED STORAGE VOLUME= INFLOW-OUTFLOW
INFLOW= STORM DURATION X RESPECTIVE PEAK DISCHARGE X 60 SEC./MIN
OUTFLOW= HALF OF THE RESPECTIVE INFLOW DURATION X CONTROL RELEASE DISCHARGE X 60 SEC./MIN

25 YEAR STORM EVENT @ 70 MIN.
INFLOW= 0.88 X 3.25 X 1.12 X 70 X 60= 13,453 CF
OUTFLOW= 0.5 X 1.62 X 80 X 60= 3,888 CF

REQUIRED DETENTION SYSTEM STORAGE CAPACITY = INFLOW-OUTFLOW= 13,453-3,888= 9,565 CF
626 L.F. 60" HDPE (12,285 CF) + 147 L.F. 48" HDPE (1,846 CF)=14,131 CF

STORAGE CALCULATIONS (10 YR RAINFALL EVENT)							
STORM DATA REFERENCE: CITY STANDARD RAINFALL INTENSITY-FIGURE 1 FOR 10 YEAR STORM FREQUENCY							
DISCHARGE FROM SURFACE DETENTION POND: 1.23 CFS (REFER ORIFICE CALCULATIONS THIS SHEET)							
TOTAL DETAINED AREA= 1.12 AC. (DRAINAGE AREAS B,C,E, F, G,H,I & OFF-A); BY PASS (D & OFF-B)=0.38 AC.							
STORM DURATION DATA & DETENTION POND SYSTEM CALCULATIONS							
TIME (Min)	C x Cf (10-Year)	I ¹⁰ (in/hr)	TOTAL AREA (Acres)	Q (CFS)	INFLOW (CF)	OUTFLOW (CF)	STORAGE (CF)
10	0.88	8.00	1.12	7.88	4,731	738	3,993
20	0.88	5.70	1.12	5.62	6,742	1,107	5,635
30	0.88	4.50	1.12	4.44	7,983	1,476	6,507
40	0.88	3.80	1.12	3.75	8,959	1,845	7,114
50	0.88	3.30	1.12	3.25	9,757	2,214	7,543
60	0.88	2.90	1.12	2.86	10,290	2,583	7,707
70	0.88	2.60	1.12	2.56	10,763	2,952	7,811
80	0.88	2.40	1.12	2.37	11,354	3,321	8,033
90	0.88	2.20	1.12	2.17	11,709	3,690	8,019
100	0.88	2.00	1.12	1.97	11,827	4,059	7,768
110	0.88	1.90	1.12	1.77	11,709	4,428	7,281

REQUIRED STORAGE VOLUME SUMMARY:

REQUIRED STORAGE VOLUME= INFLOW-OUTFLOW
INFLOW= STORM DURATION X RESPECTIVE PEAK DISCHARGE X 60 SEC./MIN
OUTFLOW= HALF OF THE RESPECTIVE INFLOW DURATION X CONTROL RELEASE DISCHARGE X 60 SEC./MIN

10 YEAR STORM EVENT @ 80 MIN.
INFLOW= 0.88 X 2.40 X 1.12 X 80 X 60= 11,354 CF
OUTFLOW= 0.5 X 1.23 X 90 X 60=3,321 CF

REQUIRED DETENTION SYSTEM STORAGE CAPACITY = INFLOW-OUTFLOW= 11,354-3,321= 8,033 CF
626 L.F. 60" HDPE (12,285 CF) + 147 L.F. 48" HDPE (1,846 CF)=14,131 CF

STORAGE CALCULATIONS (5 YR RAINFALL EVENT)							
STORM DATA REFERENCE: CITY STANDARD RAINFALL INTENSITY-FIGURE 1 FOR 5 YEAR STORM FREQUENCY							
DISCHARGE FROM SURFACE DETENTION POND: 1.10 CFS (REFER ORIFICE CALCULATIONS THIS SHEET)							
TOTAL DETAINED AREA= 1.12 AC. (DRAINAGE AREAS B,C,E, F, G, H,I & OFF-A); BY PASS (D & OFF-B)=0.38 AC.							
STORM DURATION DATA & DETENTION POND SYSTEM CALCULATIONS							
TIME (Min)	C x Cf (5-Year)	I ⁵ (in/hr)	TOTAL AREA (Acres)	Q (CFS)	INFLOW (CF)	OUTFLOW (CF)	STORAGE (CF)
10	0.88	6.80	1.12	6.80	4,080	660	3,420
20	0.88	5.00	1.12	4.93	5,914	990	4,924
30	0.88	3.90	1.12	3.84	6,919	1,320	5,599
40	0.88	3.30	1.12	3.25	7,806	1,650	6,156
50	0.88	2.80	1.12	2.76	8,279	1,980	6,299
60	0.88	2.50	1.12	2.46	8,870	2,310	6,560
70	0.88	2.20	1.12	2.17	9,107	2,640	6,467
80	0.88	2.00	1.12	1.97	9,462	2,970	6,492
90	0.88	1.90	1.12	1.87	10,112	3,300	6,812
100	0.88	1.70	1.12	1.68	10,053	3,630	6,423
110	0.88	1.50	1.12	1.48	9,757	3,960	5,797

REQUIRED STORAGE VOLUME SUMMARY:

REQUIRED STORAGE VOLUME= INFLOW-OUTFLOW
INFLOW= STORM DURATION X RESPECTIVE PEAK DISCHARGE X 60 SEC./MIN
OUTFLOW= HALF OF THE RESPECTIVE INFLOW DURATION X CONTROL RELEASE DISCHARGE X 60 SEC./MIN

5 YEAR STORM EVENT @ 90 MIN.
INFLOW= 0.88 X 1.9 X 1.12 X 90 X 60= 10,112 CF
OUTFLOW= 0.5 X 1.1 X 100 X 60=3,300 CF

REQUIRED DETENTION SYSTEM STORAGE CAPACITY = INFLOW-OUTFLOW= 10,112-3,300= 6,812 CF
626 L.F. 60" HDPE (12,285 CF) + 147 L.F. 48" HDPE (1,846 CF)=14,131 CF

WEIGHTED RUNOFF COEFF.
CALCS FOR DETENTION
ONSITE AREA=1.08 AC.
C=0.90
OFFSITE AREA=0.04 AC.
C=0.35
 $C = \frac{1.08 \times 0.9 + 0.04 \times 0.35}{1.12}$
C= 0.88

ORIFICE EQUATION
 $Q = CxAx(2xgxH)^{1/2}$
WHERE
Q= RATE OF DISCHARGE (FT³/S)
A= ORIFICE AREA (FT²)
C= ORIFICE COEFFICIENT (USUALLY ABOUT 0.6)
g= GRAVITATIONAL CONSTANT (32.2 FT/S)
H= DEPTH OF WATER ABOVE THE CENTROID OF THE ORIFICE (FT)

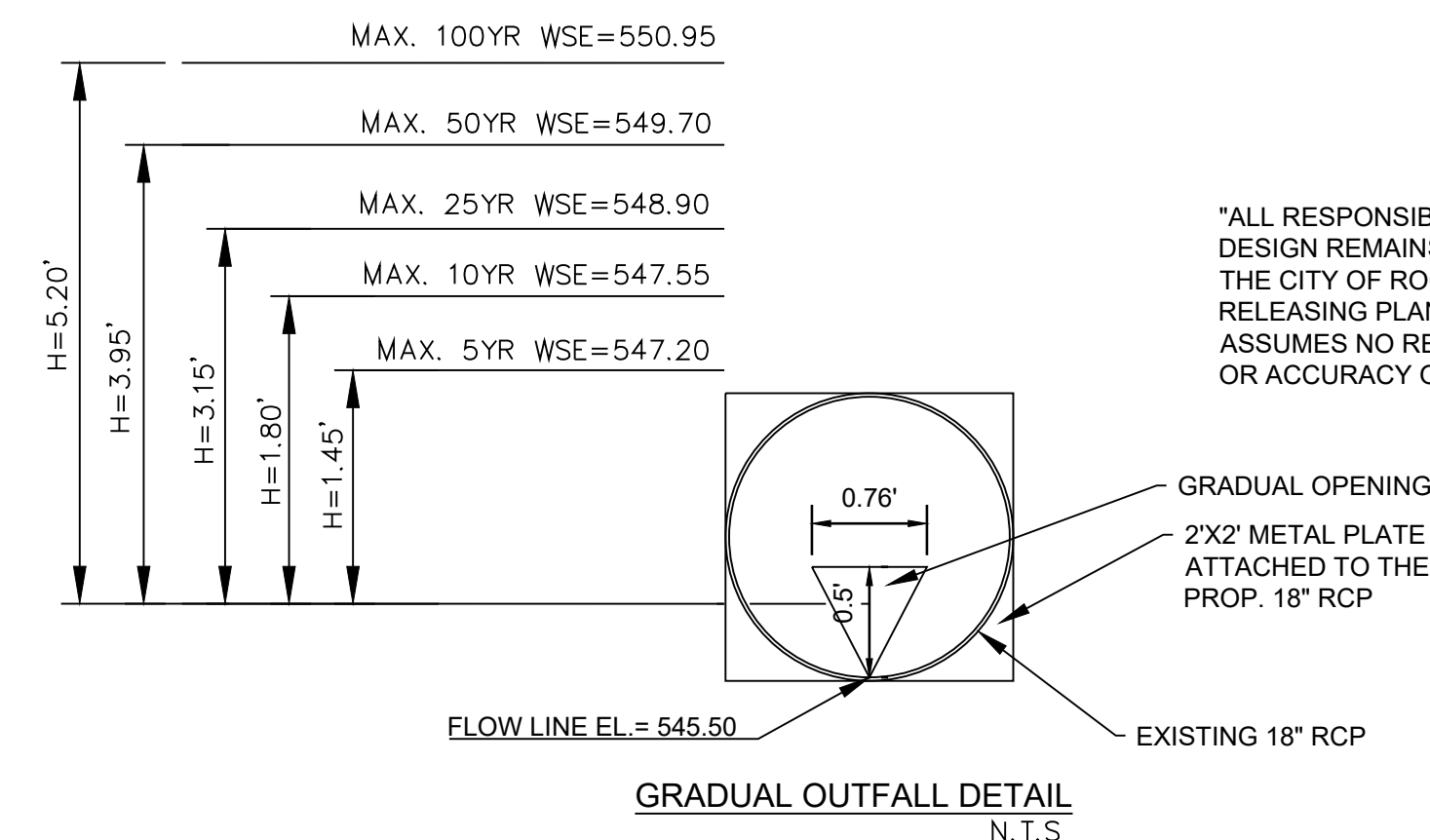
100 YRS ORIFICE CALCULATIONS FOR SURFACE DETENTION POND
USING ORIFICE EQUATION:
Q=2.05 CFS
H (AVG. DEPTH OF WATER)= 5.20 FT
 $A = \frac{Q}{C \times (2 \times g \times H)^{1/2}}$
= $\frac{2.05}{0.6 \times (2 \times 32.2 \times 5.20)^{1/2}}$
= 0.19 FT²
AREA PROVIDED= 0.19 S.F.

50 YRS ORIFICE CALCULATIONS FOR SURFACE DETENTION POND
USING ORIFICE EQUATION:
H (AVG. DEPTH OF WATER)= 3.95 FT
 $Q = CxAx(2xgxH)^{1/2}$
 $Q = 0.6 \times 0.19 \times (2 \times 32.2 \times 3.95)^{1/2}$
Q= 1.82 CFS

25 YRS ORIFICE CALCULATIONS FOR SURFACE DETENTION POND
USING ORIFICE EQUATION:
H (AVG. DEPTH OF WATER)= 3.15 FT
 $Q = CxAx(2xgxH)^{1/2}$
 $Q = 0.6 \times 0.19 \times (2 \times 32.2 \times 3.15)^{1/2}$
Q= 1.62 CFS

10 YRS ORIFICE CALCULATIONS FOR SURFACE DETENTION POND
USING ORIFICE EQUATION:
H (AVG. DEPTH OF WATER)= 1.80 FT
 $Q = CxAx(2xgxH)^{1/2}$
 $Q = 0.6 \times 0.19 \times (2 \times 32.2 \times 1.80)^{1/2}$
Q= 1.23 CFS

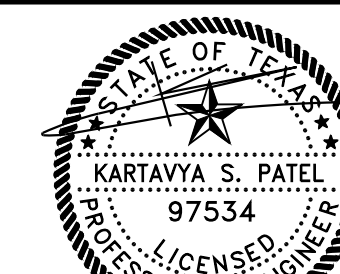
5 YRS ORIFICE CALCULATIONS FOR SURFACE DETENTION POND
USING ORIFICE EQUATION:
H (AVG. DEPTH OF WATER)= 1.45 FT
 $Q = CxAx(2xgxH)^{1/2}$
 $Q = 0.6 \times 0.19 \times (2 \times 32.2 \times 1.45)^{1/2}$
Q= 1.10 CFS



"ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN."

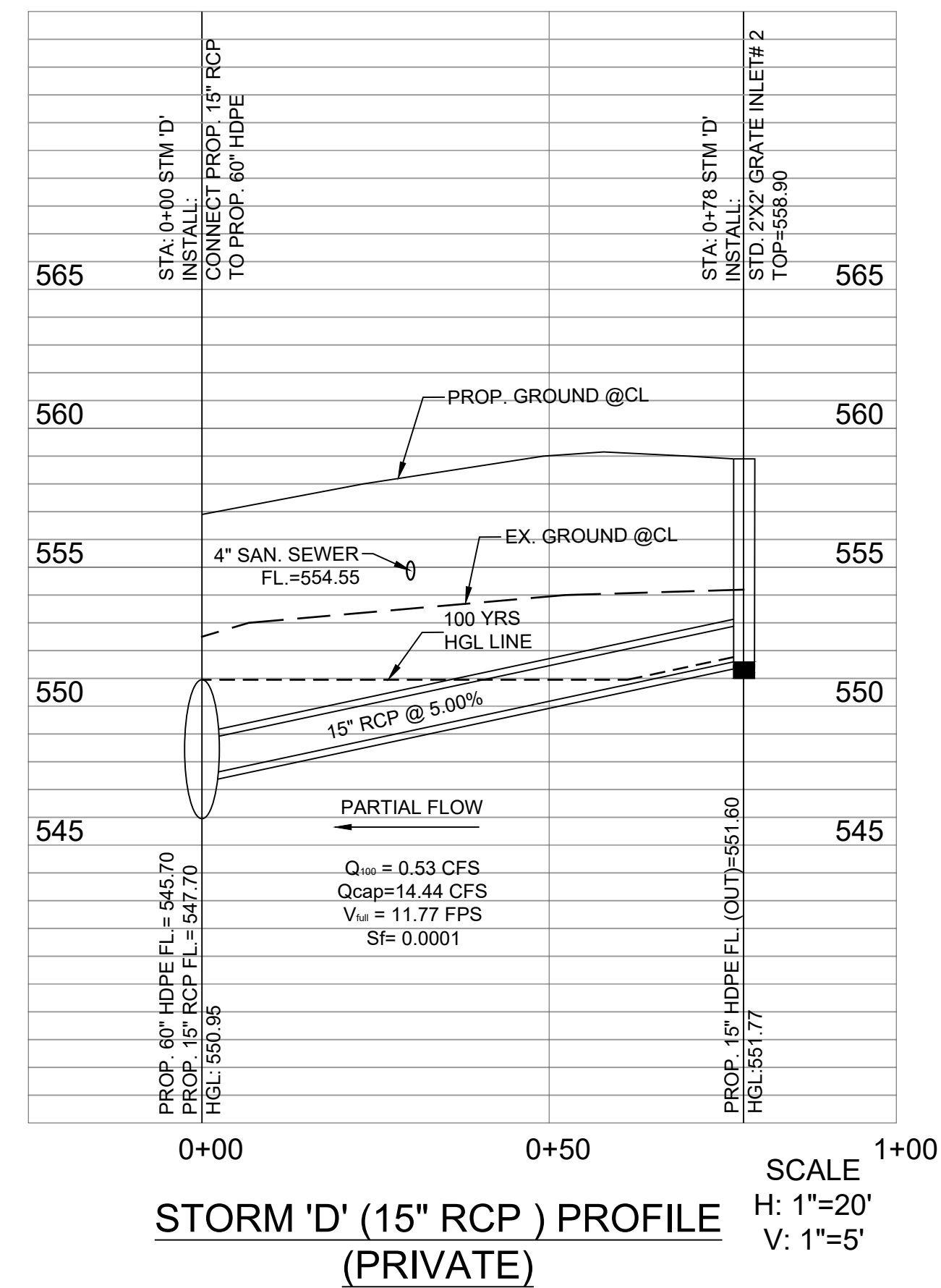
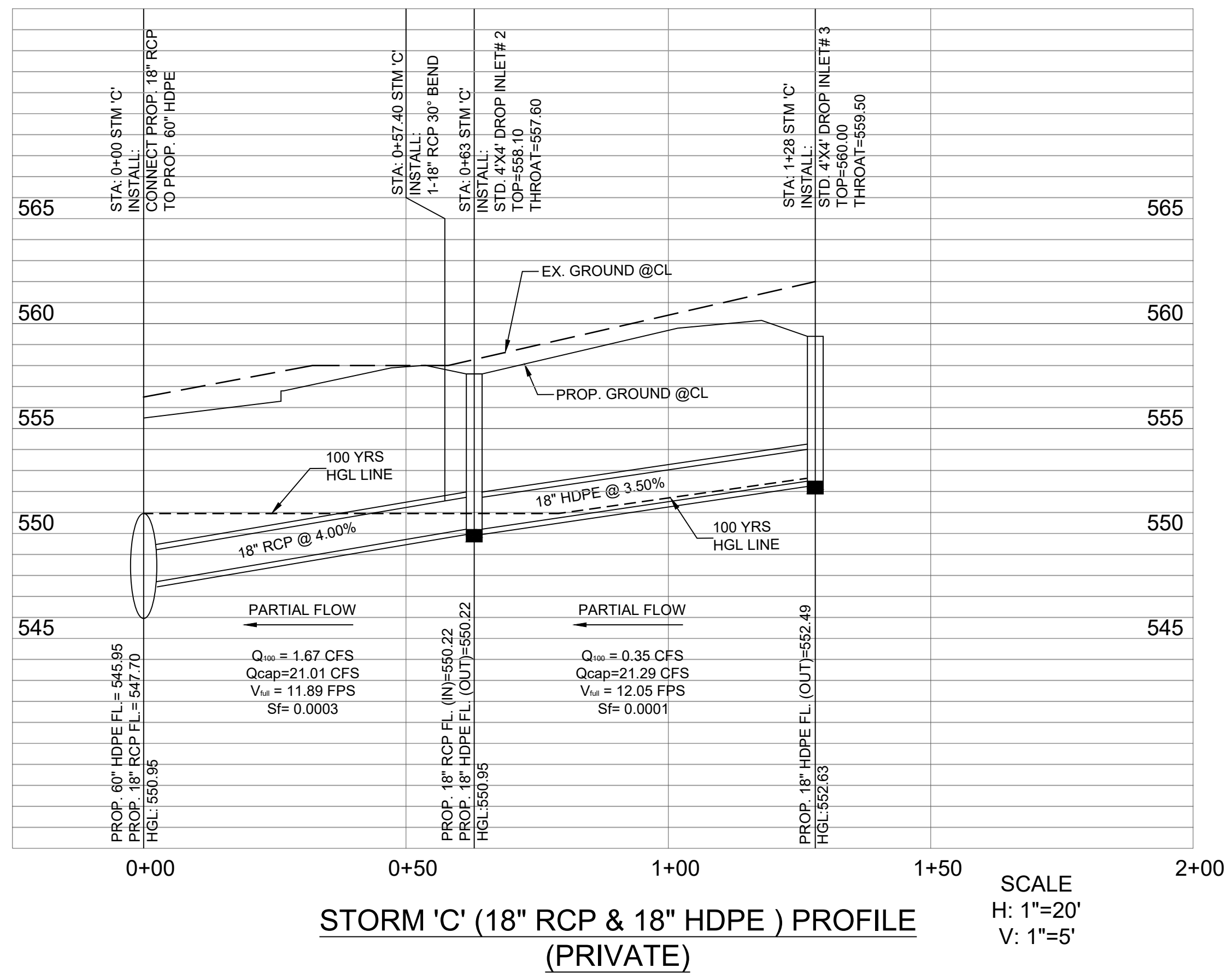
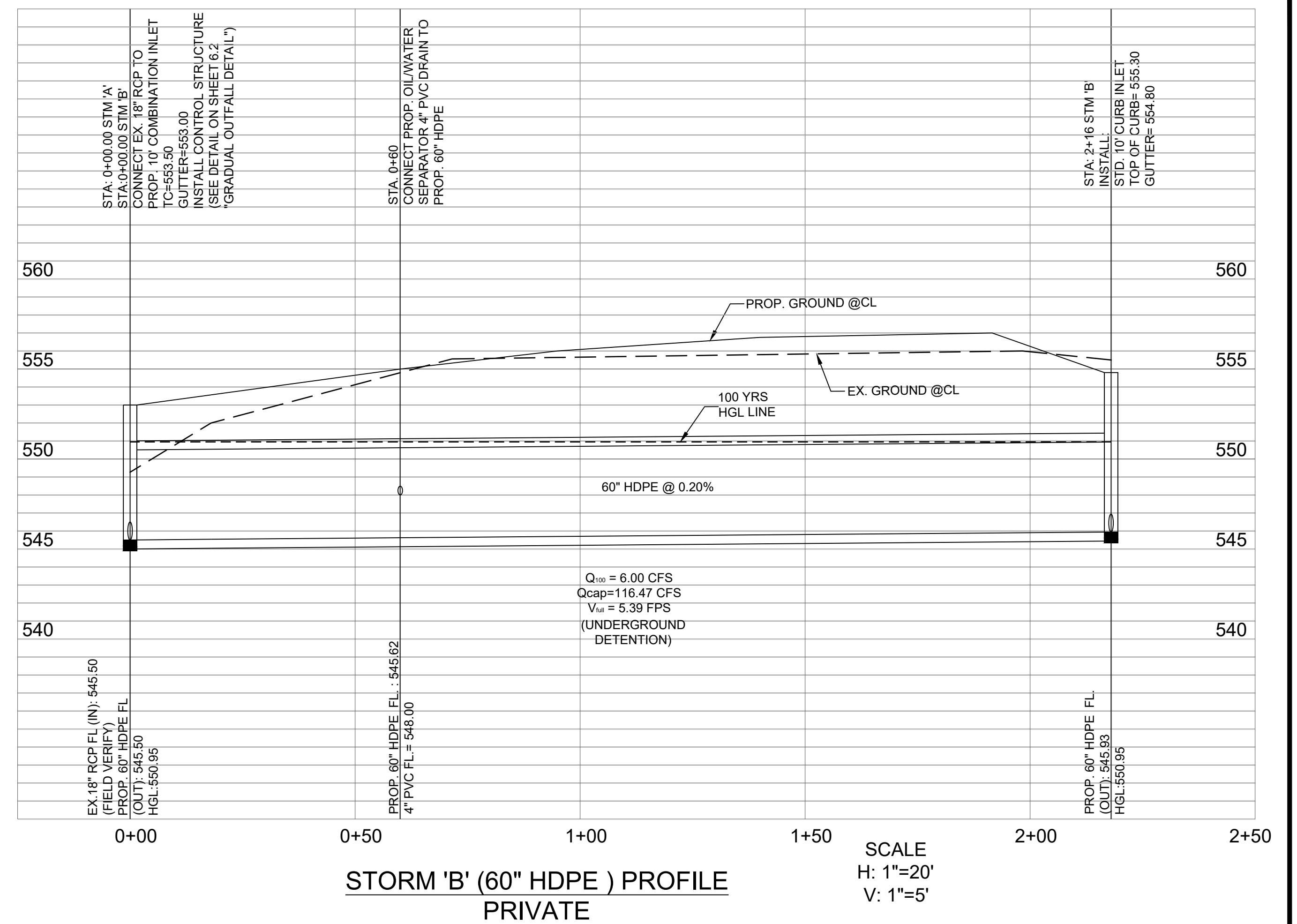
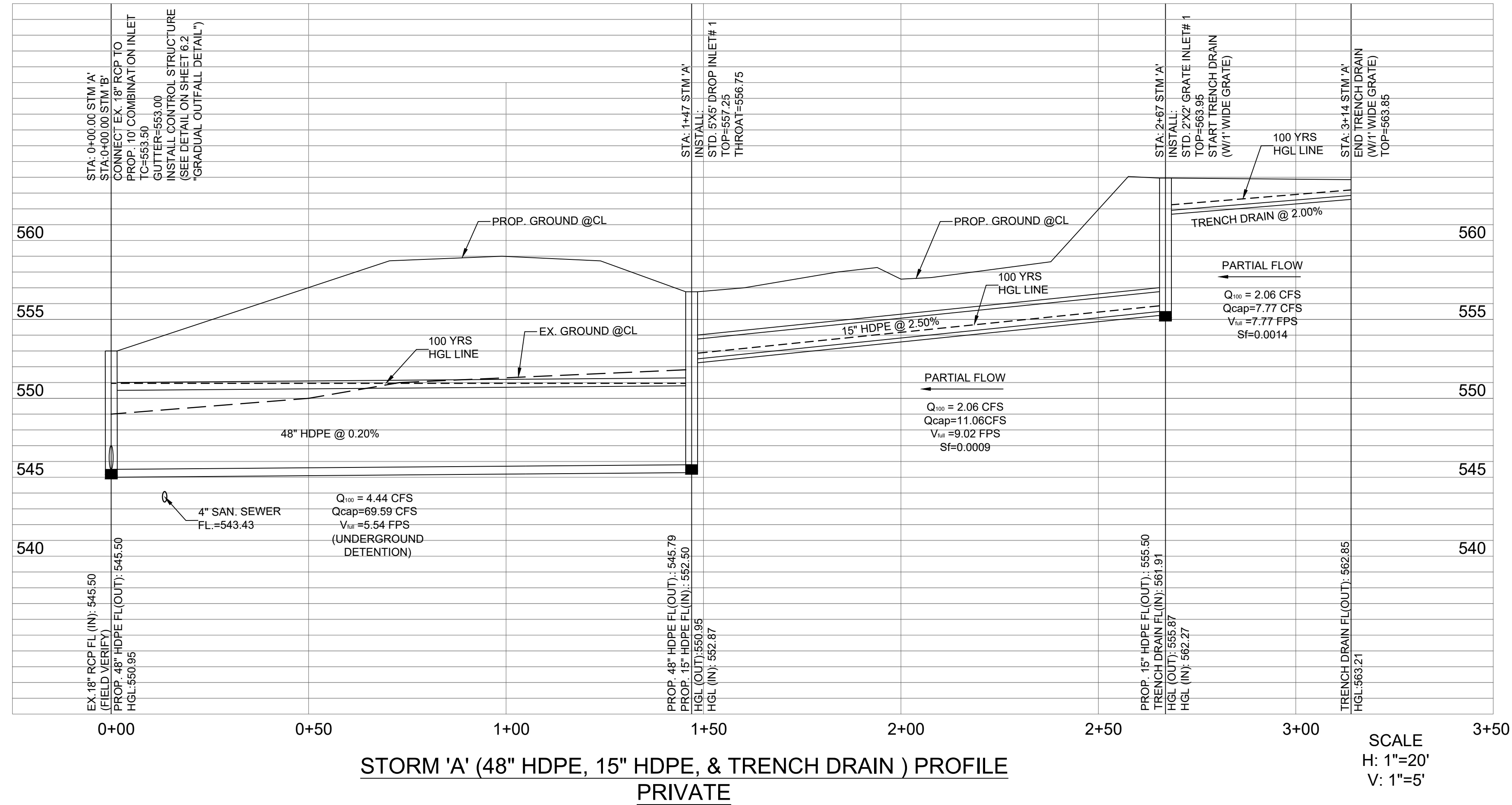
RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING,LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



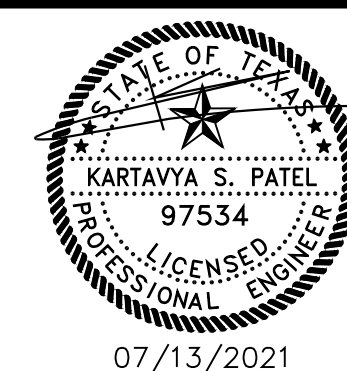
07/13/2021

DETENTION CALCS			
ROCKWALL BREWERY			
310 SOUTH GOLIAD STREET			
CITY OF ROCKWALL			
ROCKWALL COUNTY, TEXAS			
TRIANGLE ENGINEERING LLC			
T: 469.331.8566 F: 469.213.7145 E: info@triangle-engr.com W: triangle-engr.com O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013			
Planning	Civil Engineering	Construction Management	
DESIGN DRAWN	DATE	SCALE	PROJECT NO.
KP	AR	01/10/19	SEE SCALE
			003-18
			6.2
TX PE FIRM #11525			



RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING,LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



STORM PROFILES
 ROCKWALL BREWERY
 310 SOUTH GOLIAD STREET
 CITY OF ROCKWALL
 ROCKWALL COUNTY, TEXAS

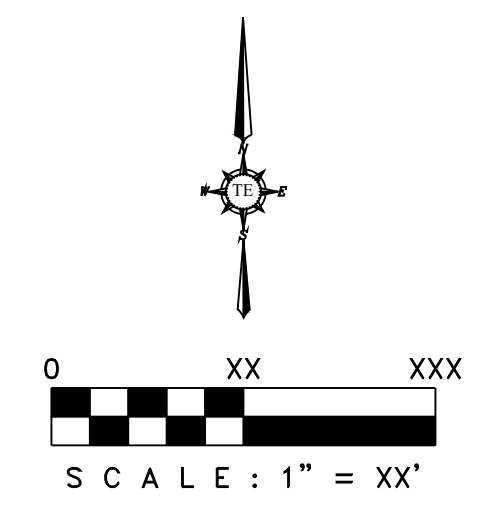
TRIANGLE ENGINEERING LLC

T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
 W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

Planning	Civil Engineering	Construction Management		
DESIGN DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	01/10/19	SEE SCALE	003-18
				6.3

TX PE FIRM #11525

07/13/2021

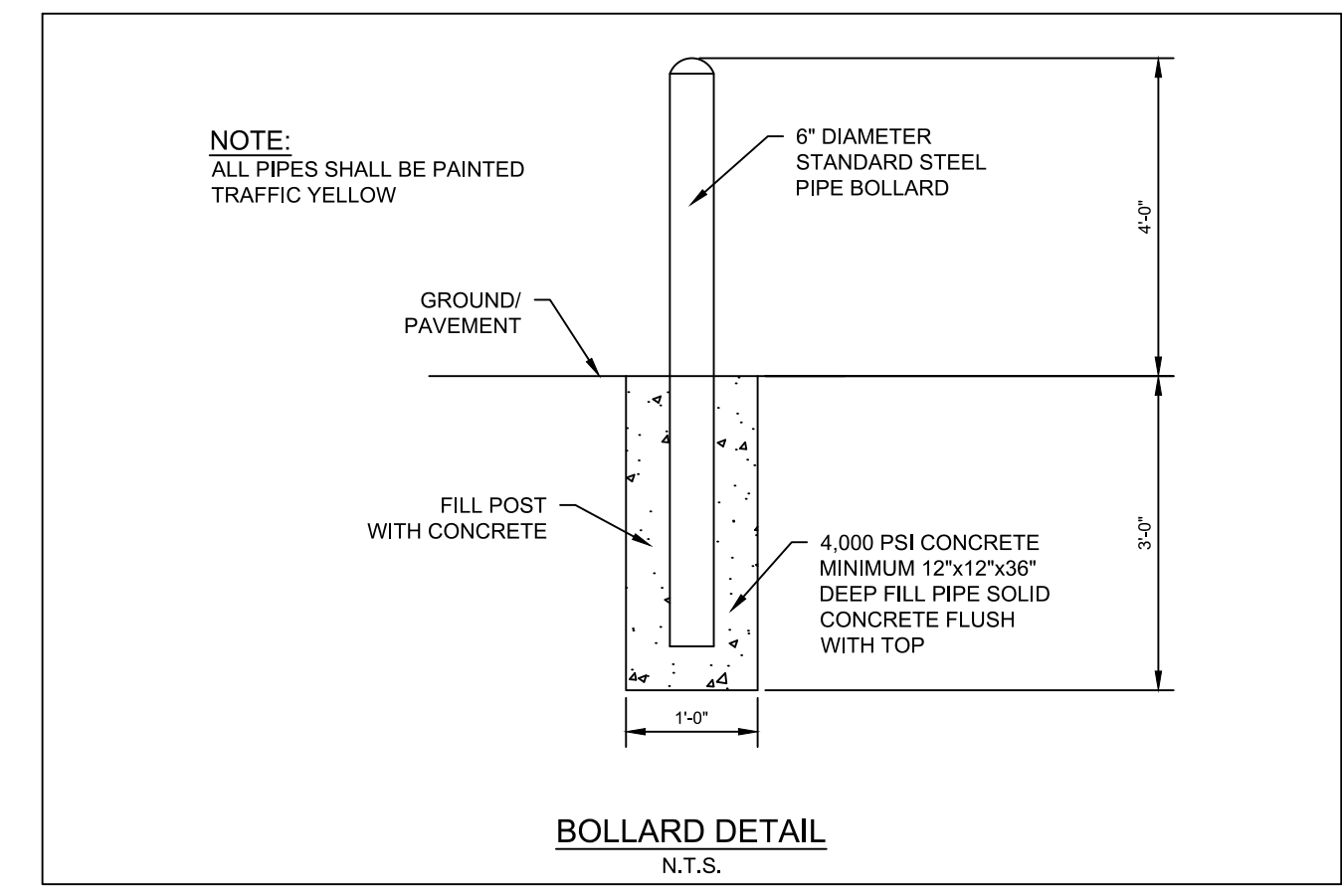


GENERAL NOTES - PAVING IMPROVEMENTS

- STRIP & REMOVE FROM THE CONSTRUCTION AREA ALL TOPSOIL, ORGANICS & VEGETATION TO A MINIMUM DEPTH OF 6 INCHES.
- SOFT SOILS SHOULD BE REMOVED UNTIL FIRM SOIL IS REACHED. THE SOFT SOILS CAN BE AERATED AND PLACED BACK IN EIGHT-INCH LOOSE LIFTS AND COMPACTED TO 95% AS SPECIFIED BY ASTM D-698. TREE STUMPS, TREE ROOTS, OLD SLABS, OLD FOUNDATIONS AND EXISTING PAVEMENTS SHOULD BE REMOVED FROM THE STRUCTURE AREA. IF THE TREE STUMPS AND ROOTS ARE LEFT IN PLACE, SETTLEMENT AND TERMITES INFESTATION MAY OCCUR. ONCE A ROOT SYSTEM IS REMOVED, A VOID IS CREATED IN THE SUBSOIL. IT IS RECOMMENDED TO FILL THESE VOIDS WITH STRUCTURAL FILL OR CEMENT-STABILIZED SAND AND COMPACT TO 95% AS SPECIFIED BY ASTM D-698. ANY LOW-LYING AREAS INCLUDING RAVINES, DITCHES, SWAMPS, ETC. SHOULD BE FILLED WITH STRUCTURAL FILL AND PLACED IN EIGHT-INCH LIFTS. EACH LIFT SHOULD BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS SPECIFIED BY ASTM D-698.
- THE EXPOSED SUBGRADE SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF SIX (6) INCHES. THE SUBGRADE SHOULD THEN BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY THE STANDARD MOISTURE DENSITY RELATIONSHIP (ASTM D-698). IN THE EVENT THAT THE UPPER SIX (6) INCHES CANNOT BE COMPACTED DUE TO EXCESSIVE MOISTURE, WE RECOMMEND THAT THESE SOILS BE EXCAVATED AND REMOVED OR CHEMICALLY STABILIZED TO PROVIDE A FIRM BASE FOR FILL PLACEMENT.
- THE LOW SWELL POTENTIAL SELECT FILL SHOULD BE CLEANED AND FREE OF ORGANIC MATTER OR OTHER DELETERIOUS MATERIAL. THE FILL SHOULD BE PLACED IN MAXIMUM 9-INCH LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698 (STANDARD PROCTOR). THE MOISTURE CONTENT AT THE TIME OF COMPACTION SHOULD BE AT, OR ABOVE THE OPTIMUM VALUE AS DEFINED BY ASTM D 698. THE REFERENCED MOISTURE CONTENT AND DENSITY SHOULD BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
- PROOF-ROLL THE SUBGRAE IN ACCORDANCE WITH CITY OF DALLAS CURRENT "STANDARD SPECIFICATION" TO REVEAL SOFT SPOTS. SOFT AREAS SHOULD BE REWORKED & COMPACTED UNTIL THEY CAN BE SUCCESSFULLY PROOF-ROLLED.
- THE STABILIZED CLAYS SHOULD BE COMPACTED TO A MINIMUM OF NINETY-FIVE (95) PERCENT OF THE MAXIMUM DENSITY IN A MOISTURE CONTENT RANGE OF -1% TO +4% OF THE SOIL/LIME MIXTURE'S OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D-698.
- A MINIMUM STABILIZED SUBGRADE DEPTH OF 6 INCHES IS RECOMMENDED BELOW THE BOTTOM OF THE PROPOSED PAVEMENT. WE RECOMMEND THAT THE DEPTH OF STABILIZED SUBGRADE BE INCREASED TO 8-INCH FOR HEAVY TRAFFIC AREAS. IT IS TO BE NOTED THAT THE ACTUAL AMOUNT OF LIME REQUIRED BE DETERMINED AFTER STRIPPING OF THE SUBGRADE.
- A FULL THICKNESS OF THE BASE COURSE SHOULD BE EXTENDED 5 FEET BEYOND THE BACK OF CURB LINE.
- THE FILL SOILS SHOULD EXTEND AT LEAST FIVE FEET BEYOND THE PERIMETER OF THE STRUCTURE.
- THE CONCRETE IN LIGHT DUTY PAVEMENT AREAS SHOULD HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 POUNDS PER SQUARE INCH AND IN MEDIUM DUTY PAVEMENT AREAS, A 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI IS RECOMMENDED. IT SHOULD CONTAIN MINIMUM OF 4.5-1.5 PERCENT ENTRAINED AIR.
- THE EXPANSION JOINT SPACING SHALL BE AT 60' MAX.
- CONTROL JOINTS FORMED BY SAWING ARE RECOMMENDED AT MAX. 15' IN BOTH LONGITUDINAL AND TRANSVERSE DIRECTIONS. CONTROL JOINT SHALL BE SAWED WITHIN 3 HOURS AFTER PLACING CONCRETE. JOINTS SHALL BE PROPERLY CLEANED AND SEALED AS SOON AS POSSIBLE AFTER JOINTS ARE CUT.
- DRAINAGE SHOULD BE MAINTAINED AWAY FROM THE FOUNDATION, BOTH DURING AND AFTER CONSTRUCTION. WATER SHOULD NOT BE ALLOWED TO POND NEAR THE FOUNDATION. THE FOLLOWING ITEMS SHOULD PROVIDE FOR POSITIVE DRAINAGE OF WATER AWAY FROM THE FOUNDATION: SIDEWALKS AND OTHER CONCRETE FLAT WORK, PARKING AREAS, DRIVEWAYS AND OTHER SURFACE DRAINAGE FEATURES, AND LANDSCAPING.
- FRENCH DRAINS ARE RECOMMENDED AROUND ANY SLABS WHERE SEEPING GROUND WATER IS ENCOUNTERED DURING CONSTRUCTION.
- SIDEWALK AROUND THE BUILDING SHALL NOT BE STRUCTURALLY CONNECTED TO THE BUILDING FOUNDATION UNLESS IT'S NOTED ON STRUCTURAL PLANS.
- ANY STAGE IN THE CONSTRUCTION OF THE PAVEMENT A NON-STABLE OR WEAVING CONDITION OF THE SUBGRADE OR BASE COURSE BE NOTED UNDER THE WHEEL LOADS OF CONSTRUCTION EQUIPMENT, SUCH AREAS SHOULD BE DELINEATED AND GEOTECHNICAL ENGINEER CONSULTED FOR REMEDIATION BEFORE COMPLETING THE PAVEMENT SECTION.
- ALL EXPANSION JOINTS AND CRACK CONTROL JOINTS SHOULD BE SEALED TO PREVENT THE INFILTRATION OF WATER INTO THE SUBSURFACE. THIS IS PARTICULARLY IMPORTANT AROUND IRRIGATED LANDSCAPING AND ALONG THE DRAINAGE PATH OF ROOF DOWNSPOUTS.
- LANDSCAPE ISLANDS SHOULD BE BACKFILLED WITH LOW PLASTICITY CLAYS TO REDUCE WATER INTRUSION INTO THE SUBSURFACE PAVEMENT STRUCTURES. CURBS SHOULD BE PROVIDED WITH WEEP HOLES IN LANDSCAPE AREAS TO REDUCE THE BUILD UP OF HYDROSTATIC PRESSURE AND TO REDUCE THE INTRUSION OF WATER INTO THE SUBSURFACE MATERIAL.
- CURB AND GUTTER SHALL CONSIST OF STEEL REINFORCED CONCRETE AND SHALL BE SIX (6) INCHES HIGH AND TWENTY FOUR (24) INCHES WIDE.
- THE PARKWAYS AND STREETS SHALL BE ROUGH CUT TO A PLUS OR MINUS ONE-TENTH (0.1) FEET OF THEIR RESPECTIVE FINAL GRADES.
- CONSTRUCTION OF WHEEL CHAIR RAMPS WILL BE THE RESPONSIBILITY OF THE PAVING CONTRACTOR AT THE TIME OF PUBLIC IMPROVEMENTS.
- THE CONTRACTOR SHALL PROCEED WITH PAVING NO MORE THAN SEVENTY-TWO (72) HOURS AFTER DENSITY / MOISTURE TESTS HAVE BEEN TAKEN AND PASSED BY A REGULAR TESTING FIRM. COPIES OF THE TEST RESULTS SHALL BE FURNISHED TO THE CITY. IN THE EVENT PAVING OPERATIONS HAVE NOT COMMENCED WITHIN THE SEVENTY-TWO(72) HOUR LIMIT, A RETEST SHALL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.
- MANHOLE RIM ELEVATIONS, CLEAN-OUTS, VALVE BOXES, FIRE HYDRANTS, ETC. SHALL BE ADJUSTED TO FINISHED GRADE BY THE PAVING CONTRACTOR AT THE TIME OF PAVING.
- THE PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL "PERMANENT SURVEY REFERENCE MONUMENTS" AS DESCRIBED IN THE SUBDIVISION ORDINANCE INCLUDING CONCRETE MONUMENTS AT ALL BOUNDARY CORNERS.
- ALL RIGHT-OF-WAYS TO BE SODDED PRIOR TO ACCEPTANCE OR CERTIFICATE OF OCCUPANCY.

NOTES:

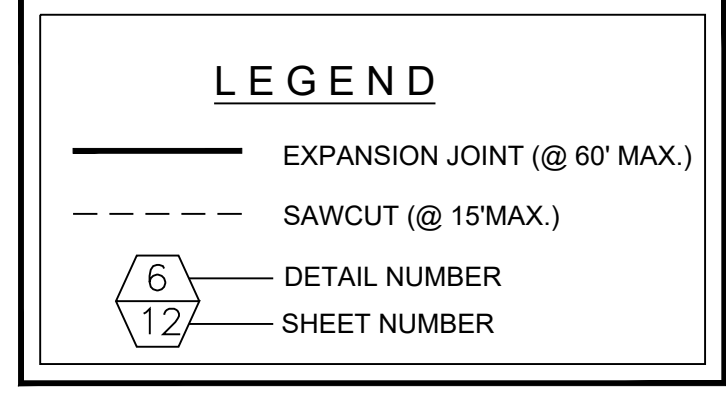
- REFER SOIL REPORT # 18-DG9122 PREPARED BY GEOSCIENCE, INC DATED: MAY, 2018 FOR SUBGRADE PREPARATION, PARKING AND DRIVING LANE PAVEMENT THICKNESS AND FOUNDATION RECOMMENDATION.
- SIDEWALK SHALL NOT BE STRUCTURALLY CONNECTED TO THE BUILDING FOUNDATION UNLESS IT'S NOTED ON THE PLANS. PLEASE REFER STRUCTURAL PLANS FOR BUILDING FOUNDATION DETAILS.
- THIRD PARTY INSPECTION WILL BE REQUIRED ON FIRE LANE CONSTRUCTION. A LETTER SHALL BE PROVIDED (BY A TESTING LAB OR DESIGN ENGINEER) THAT CERTIFIES THAT THE FIRE LANE HAS BEEN CONSTRUCTED IN ACCORDANCE WITH CITY STANDARDS AND CONSTRUCTION PLANS. THE LETTER SHALL BE SPECIFIC TO DEPTH, STRENGTH AND REBAR PLACEMENT. SEPARATE PERMIT REQUIRED FOR RETAINING WALL W/ HANDRAIL CONSTRUCTION. RETAINING WALL W/ HANDRAIL CONSTRUCTION SHALL BE PERMITTED THROUGH THE CITY BUILDING DEPARTMENT.
- REFER TO MEP PLAN FOR SITE LIGHTING POLES LOCATION AND DETAILS.



RETAINING WALL NOTES:
SEPARATE PERMIT REQUIRED FOR RETAINING WALL W/ HANDRAIL CONSTRUCTION. RETAINING WALL W/ HANDRAIL CONSTRUCTION SHALL BE PERMITTED THROUGH THE CITY BUILDING DEPARTMENT.

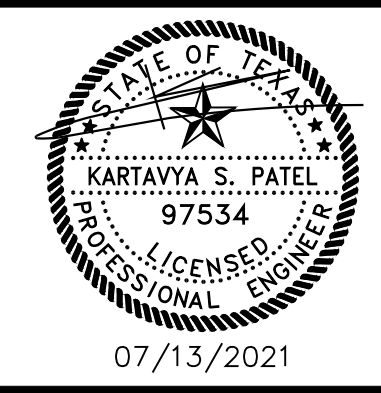
NOTE:
REFERENCE LANDSCAPE PLANS FOR OPEN SPACE AREA DETAILS SUCH AS WATER FOUNTAIN, PAVERS, SHADE STRUCTURE, PUMP ROOM, RAISED PLANTERS, AND BENCHES.

PROPOSED RIGID PAVEMENT				
PAVEMENT THICKNESS	LEGEND	SUBGRADE (NO SAND)	PROP. REINFORCEMENT	PROP. USE
4" THICK CONC. PAVEMENT 3,600 P.S.I.		6" TH. COMPACTED SUBGRADE	NO.3 REBAR @ 24" O.C. EACH WAY	SIDEWALK WITHIN THE R.O.W.
4" THICK CONC. PAVEMENT 3,000 P.S.I. (5.5 SACK)		6" TH. COMPACTED SUBGRADE	NO.3 REBAR @ 24" O.C. EACH WAY	SIDEWALK
5" THICK CONC. PAVEMENT 3,000 P.S.I. (5.5 SACK)		6" TH. LIME STABILIZED COMPACTED SUBGRADE W/6% LIME (~24LB/SY)	NO.4 REBAR @ 18" O.C. EACH WAY	LIGHT TRAFFIC (PARKING AREA)
6" THICK CONC. PAVEMENT 4,000 P.S.I. (6.5 SACK)		6" TH. LIME STABILIZED COMPACTED SUBGRADE W/6% LIME (~24LB/SY)	NO.4 REBAR @ 18" O.C. EACH WAY	FIRE LANE & HEAVY DUTY TRAFFIC DRIVE AISLE AREA
8" THICK CONC. PAVEMENT 4,200 P.S.I. (7.0 SACK)		6" TH. LIME STABILIZED SUBGRADE W/6% LIME (~24LB/SY) 2' BEYOND BACK OF CURB	NO.4 REBAR @ 18" O.C. EACH WAY	DUMPSTER/DRIVEWAY



RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING,LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



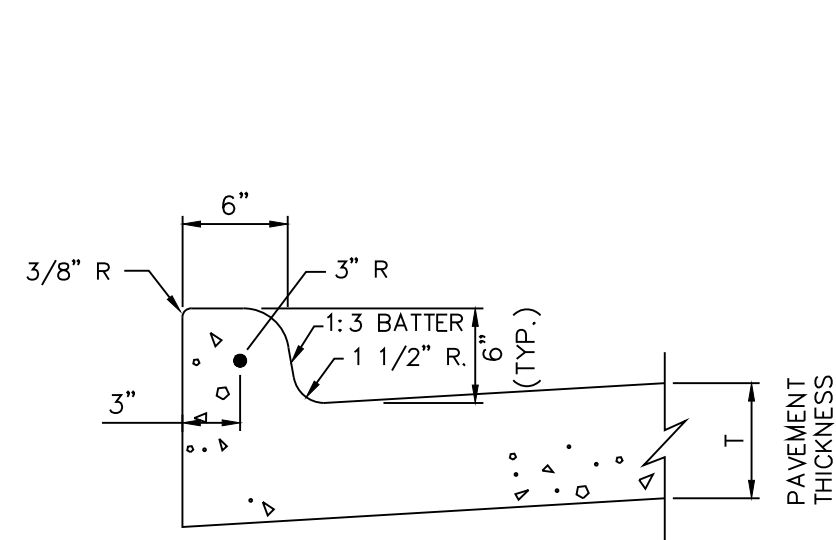
PAVING PLAN
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TRIANGLE ENGINEERING LLC
T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

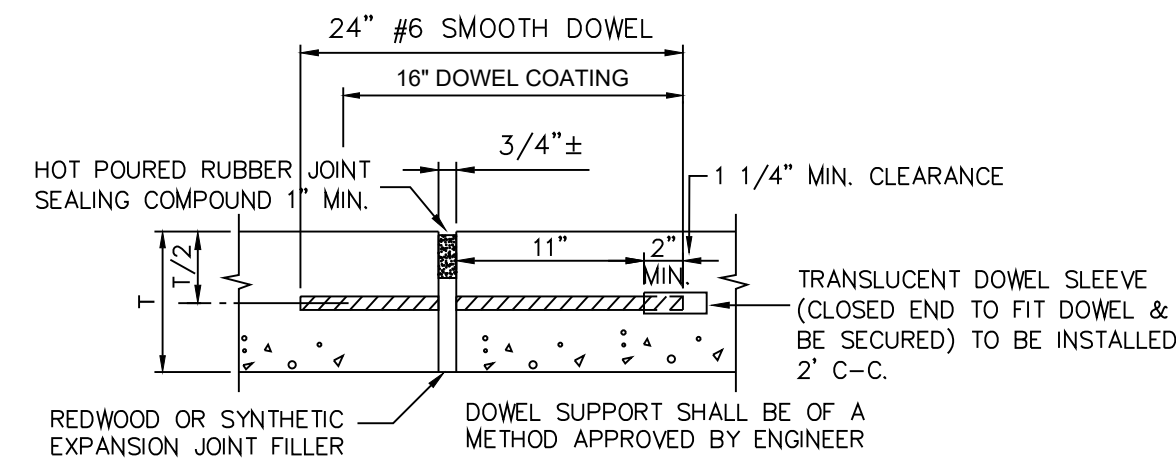
Planning | Civil Engineering | Construction Management

DESIGN/DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP AR	01/10/19	SEE SCALE	003-18	7

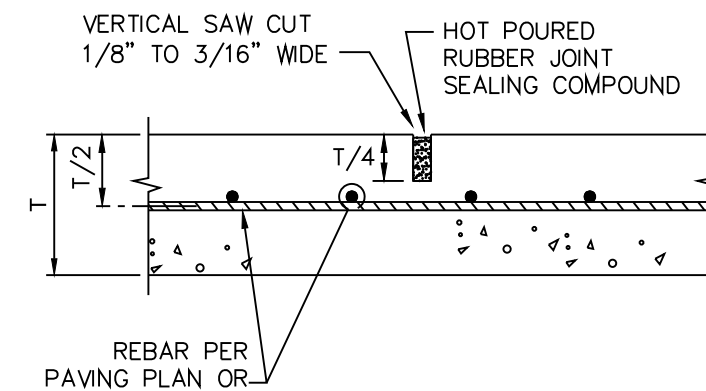
TX PE FIRM #11525



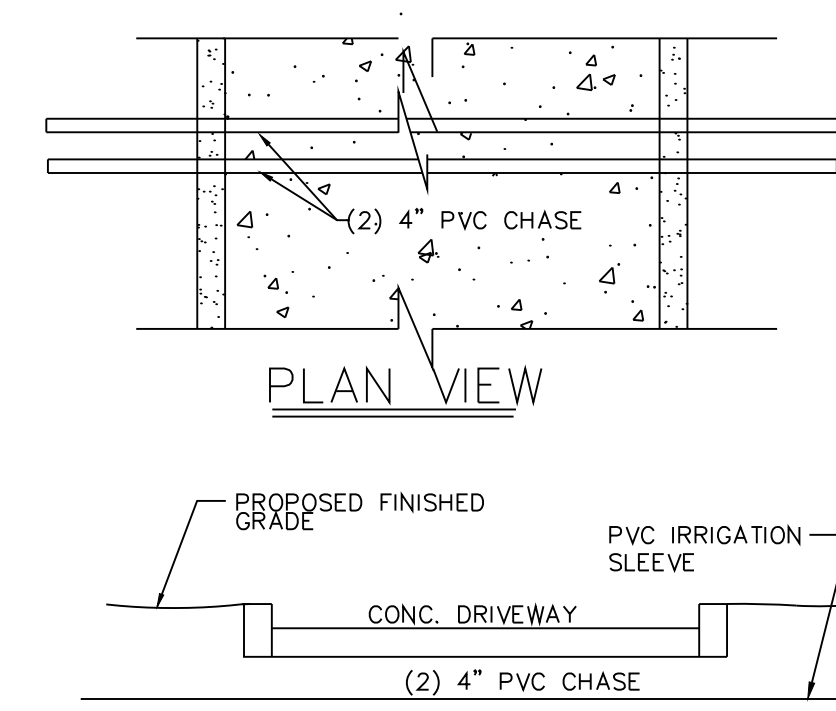
1 TYP. CURB DETAIL
7.1 N.T.S.



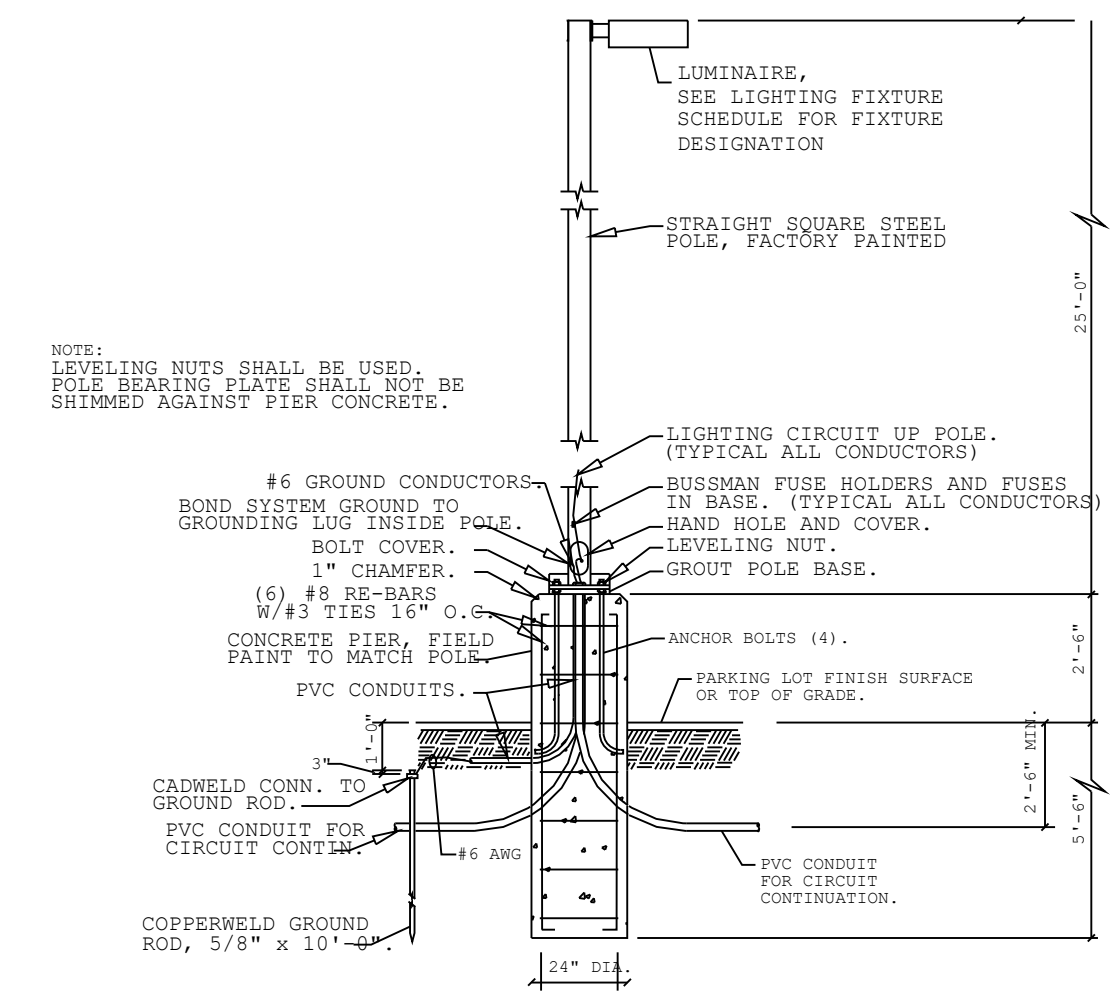
2 TYP. EXPANSION JOINT DETAIL
7.1 N.T.S.



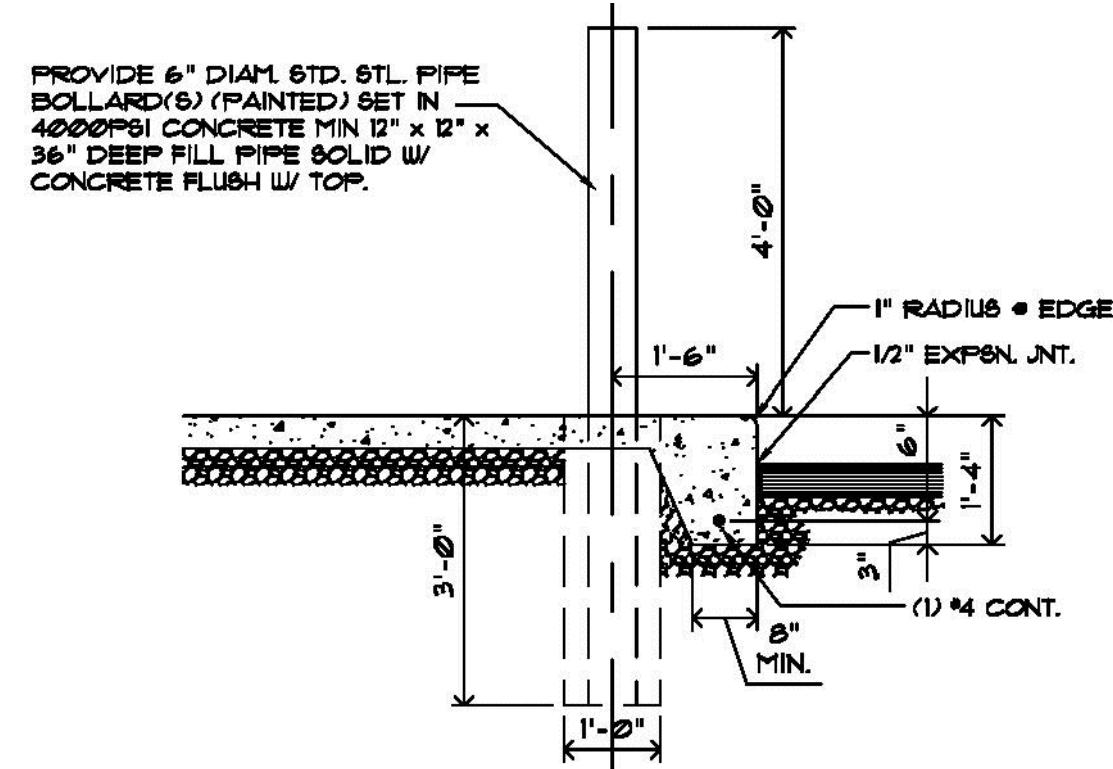
3 TYPICAL SAW CUT DETAIL
7.1 N.T.S.



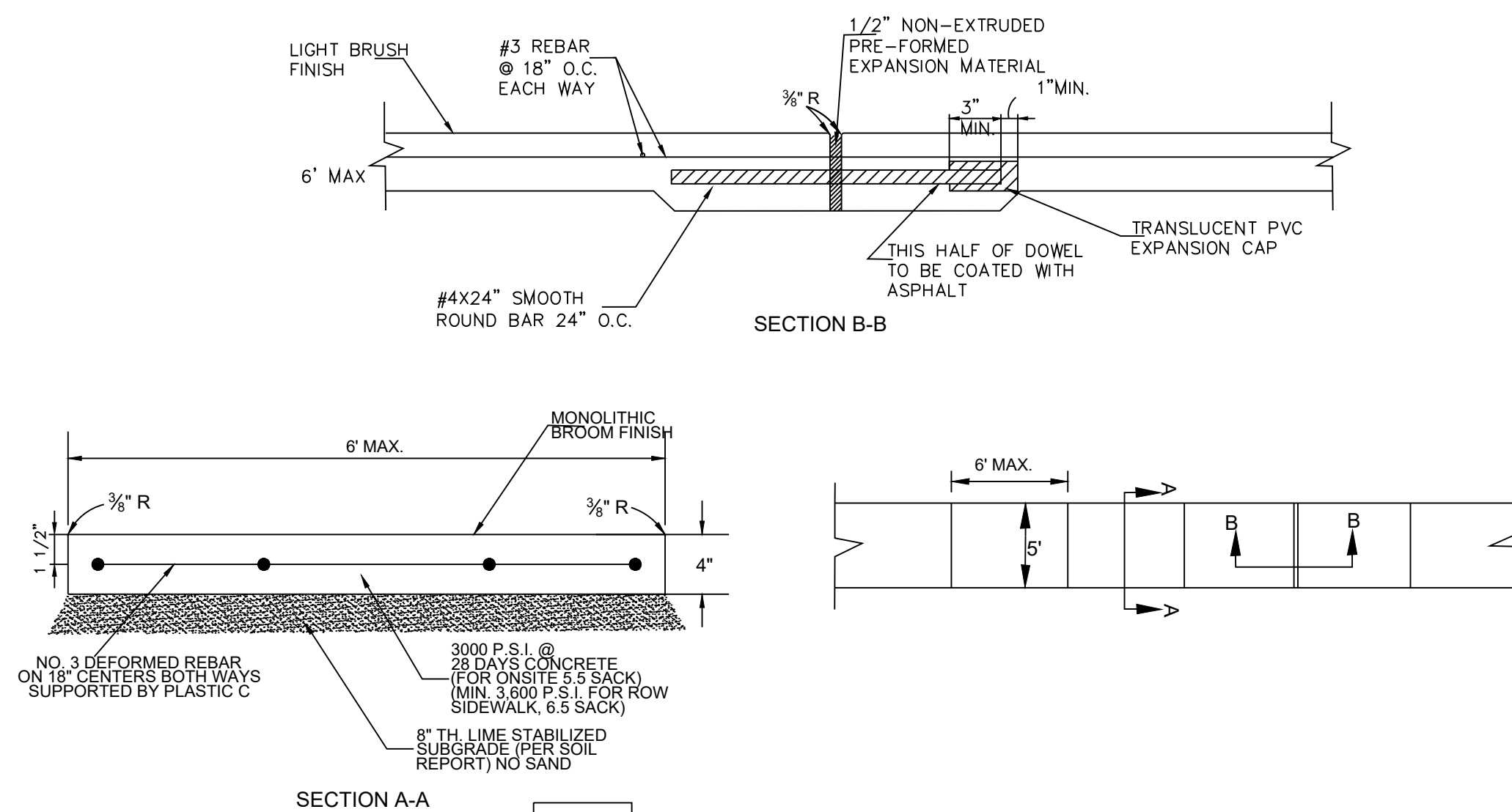
4 IRRIGATION SLEEVES
7.1 N.T.S.



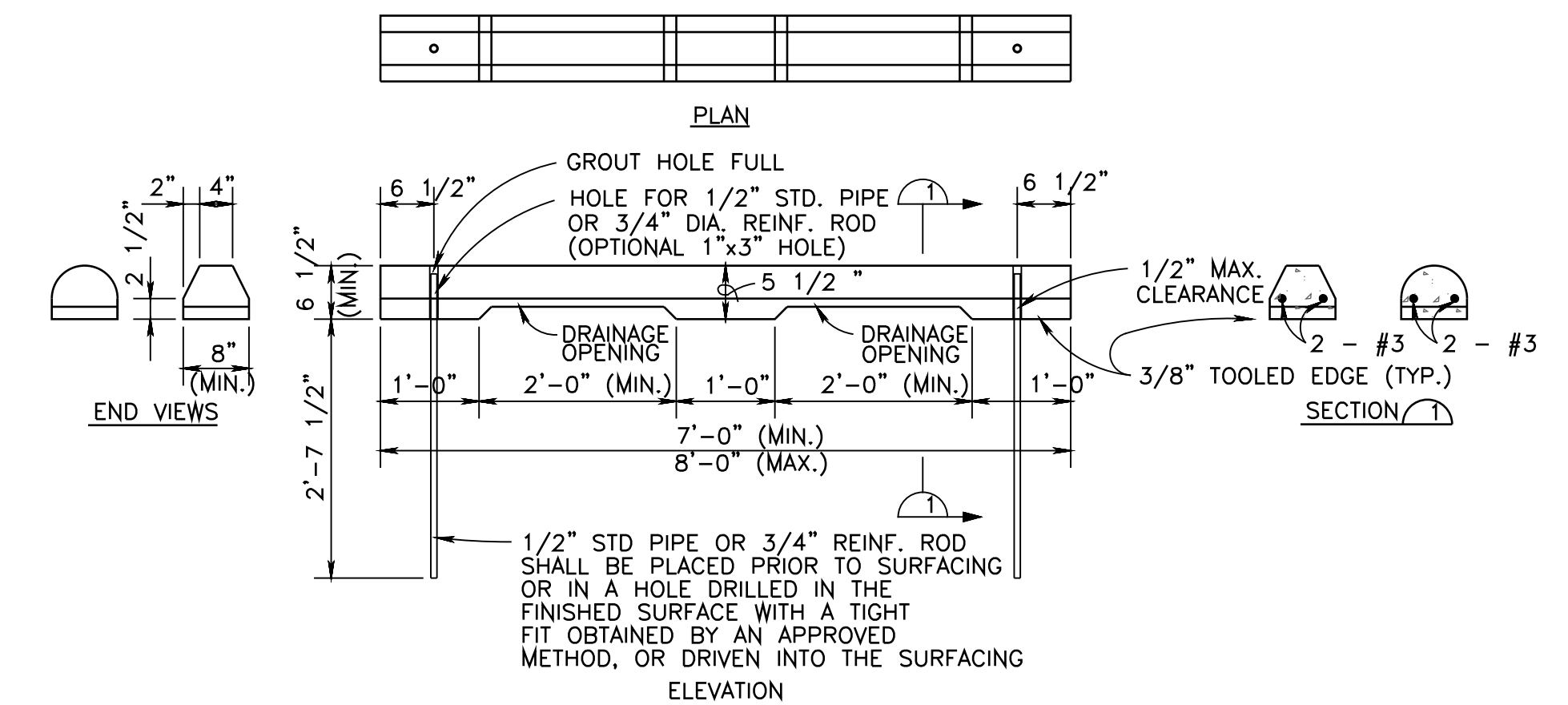
5 TYPICAL SITE LIGHTING SECTION
7.1 N.T.S.



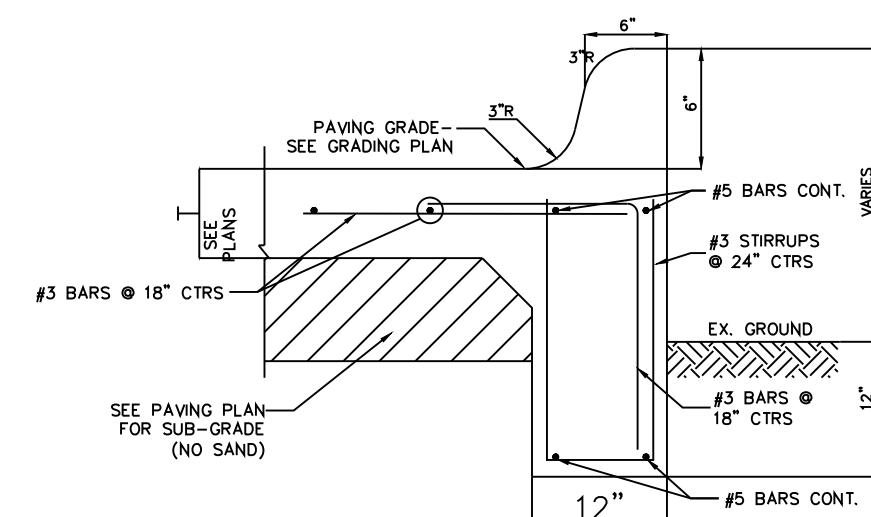
6 6" DIA. PIPE BOLLARD DETAIL
7.1 N.T.S.



7 SIDEWALK DETAIL
7.1 N.T.S.



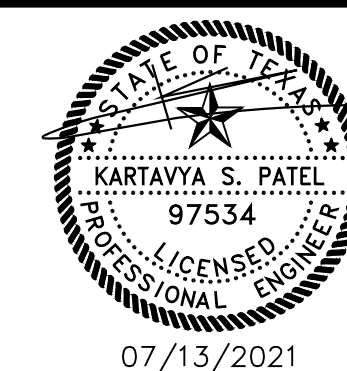
8 PRECAST CONCRETE WHEEL STOP DETAIL
7.1 N.T.S.



9 CURB W/RETAINING WALL DETAIL
7.1 N.T.S.

RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING, LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"

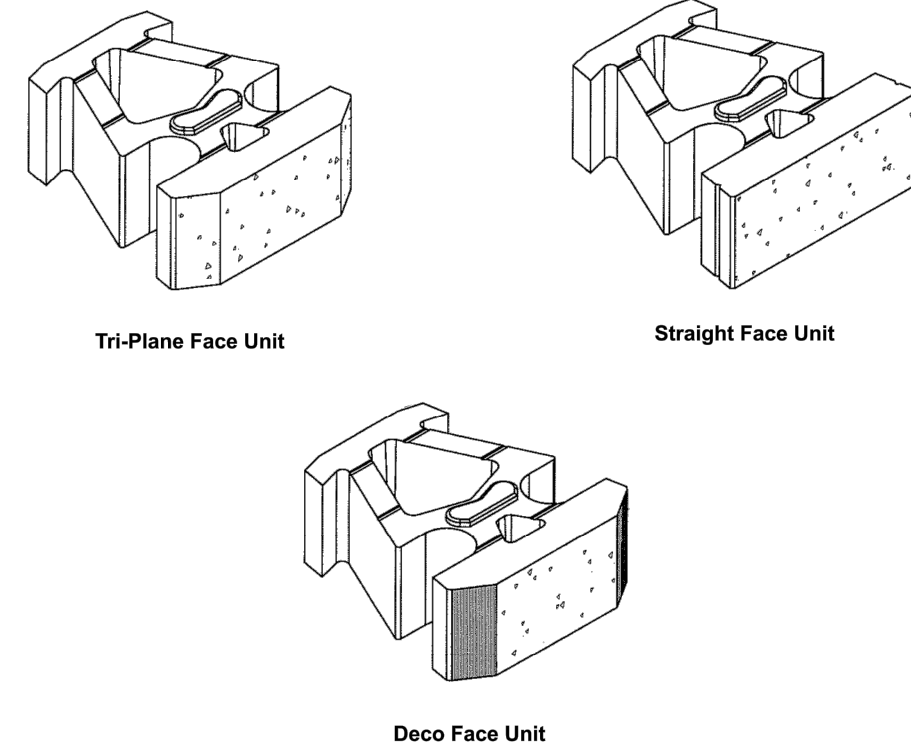


PAVING DETAILS
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

T: 469.331.8566 F: 469.213.7145 E: info@triangle-engr.com W: triangle-engr.com O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013	Planning Civil Engineering Construction Management
DESIGN/DRAWN KP AR	DATE 01/10/19
SCALE SEE SCALE	PROJECT NO. 003-18
SHEET NO. 7.1	TX PE FIRM #11525

KEYSTONE HARDSCAPES® WALL DESIGN/ESTIMATING

Valera™ Pro Series Retaining Wall Units



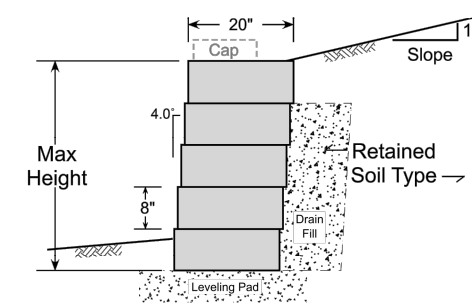
Note: Product availability, face finish, and dimensions vary by manufacturer. Please contact local Keystone product representative for availability.

Copyright 2017 Keystone Retaining Wall Systems, LLC
The liability and/or owner of use of any details contained in this document is the sole responsibility of the user. Final project specific designs shall be prepared by a licensed professional engineer.



Project:	VALERA PRO UNITS	Title:	DESIGN CHARTS
Designed By:	cm	Date:	12/20/17
Checked By:	cm	Scale:	none
Revision:		Drawing No.:	Cover

KEYSTONE HARDSCAPES® GRAVITY WALL DESIGN/ESTIMATING CHART VALERA™ PRO SERIES



TYPICAL GRAVITY WALL SECTION
4' Batter

SOIL TYPE	BACKSLOPE			
	Level	4H:1V	3H:1V	2H:1V
Sand/Gravel (#54 & #100 PCF)	5.33'	4.67'	4.67'	3.33'
Silty Sand (#50 & #100 PCF)	4.67'	4.00'	3.33'	2.67'
Silt/Lean Clay (#40 & #100 PCF)	4.00'	3.33'	2.67'	1.33'

GRAVITY WALL HEIGHT LIMITS
Valera Pro Wall Units

NOTES:

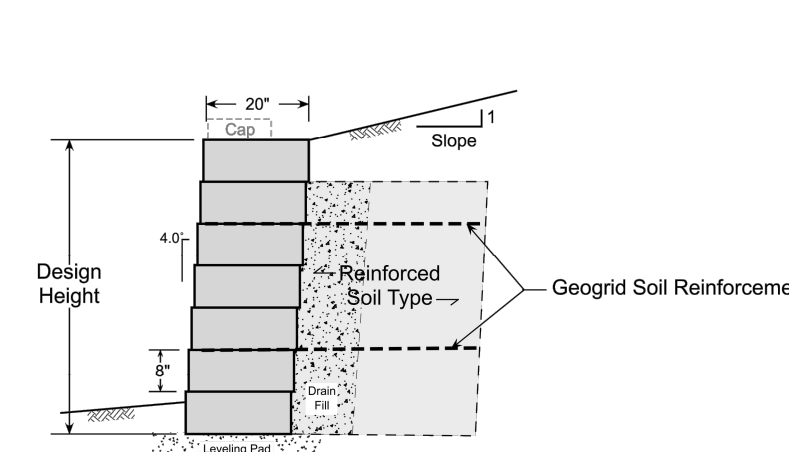
- Wall design height is total top to bottom height excluding caps.
- Minimum wall embedment is 6 inches for reasonably level toe slope condition.
- Leveling pad is 6" thick crushed stone base.
- Analysis based on Coulomb earth pressure analysis per NEMA Design Manual, 3rd Ed.
- Assumed soil design properties shown in chart.
- No additional surcharges considered in design charts other than slopes listed.
- All backfill material to be compacted to 95% Standard Proctor Density.
- See wall construction manual and specifications for all details pertaining to wall design, drainage, and installation.

Copyright 2017 Keystone Retaining Wall Systems, LLC
The liability and/or owner of use of any details contained in this document is the sole responsibility of the user. Final project specific designs shall be prepared by a licensed professional engineer.



Project:	VALERA PRO UNITS	Title:	DESIGN CHARTS
Designed By:	cm	Date:	12/20/17
Checked By:	cm	Scale:	none
Revision:		Drawing No.:	1 of 5

KEYSTONE HARDSCAPES® REINFORCED WALL DESIGN/ESTIMATING CHARTS VALERA™ PRO SERIES



TYPICAL REINFORCED WALL SECTION
4' Batter

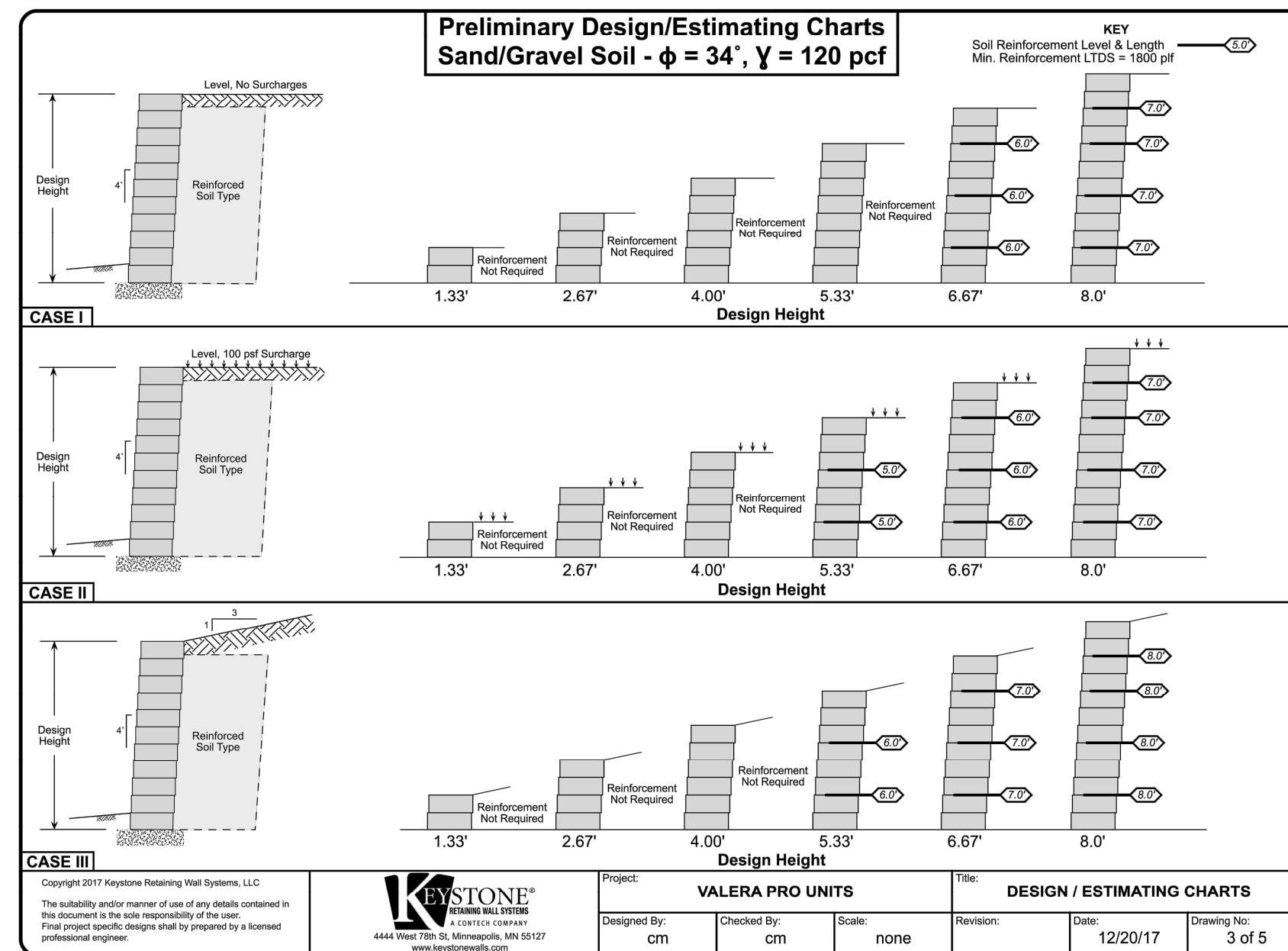
NOTES:

- Wall design height is total top to bottom height excluding caps.
- Minimum wall embedment is 6 inches or 10% height for reasonably level toe slope condition.
- Leveling pad is 6" thick crushed stone base.
- Analysis based on Coulomb earth pressure analysis per NEMA Design Manual, 3rd Ed.
- Assumed soil design properties shown in reinforcement charts.
- Soil properties assumed the same for reinforced, retained, and foundation zones.
- No surcharge (landscaping), 100 pcf live load, and 3H:1V backslope conditions considered.
- Geogrid soil reinforcement long term design strength, LTDS = 1800 pcf minimum.
- Reinforcement lengths provided are the full length of reinforcement in principal strength direction placed perpendicular to wall face.
- All backfill material to be compacted to 95% Standard Proctor Density.
- See wall construction manual and specifications for all details pertaining to wall design, drainage, and installation.
- Perform site specific engineering as required for any permit requirements.

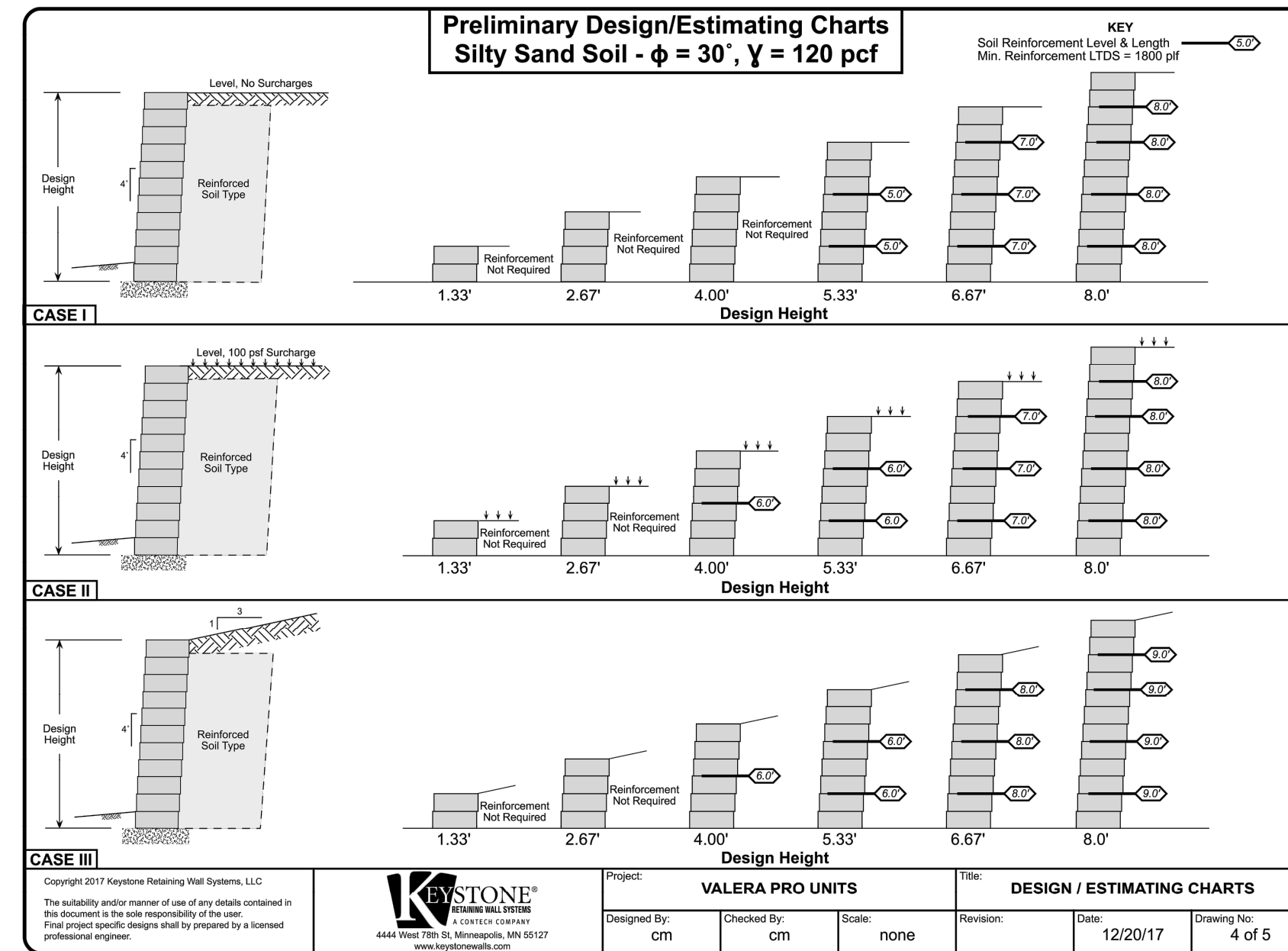
Copyright 2017 Keystone Retaining Wall Systems, LLC
The liability and/or owner of use of any details contained in this document is the sole responsibility of the user. Final project specific designs shall be prepared by a licensed professional engineer.



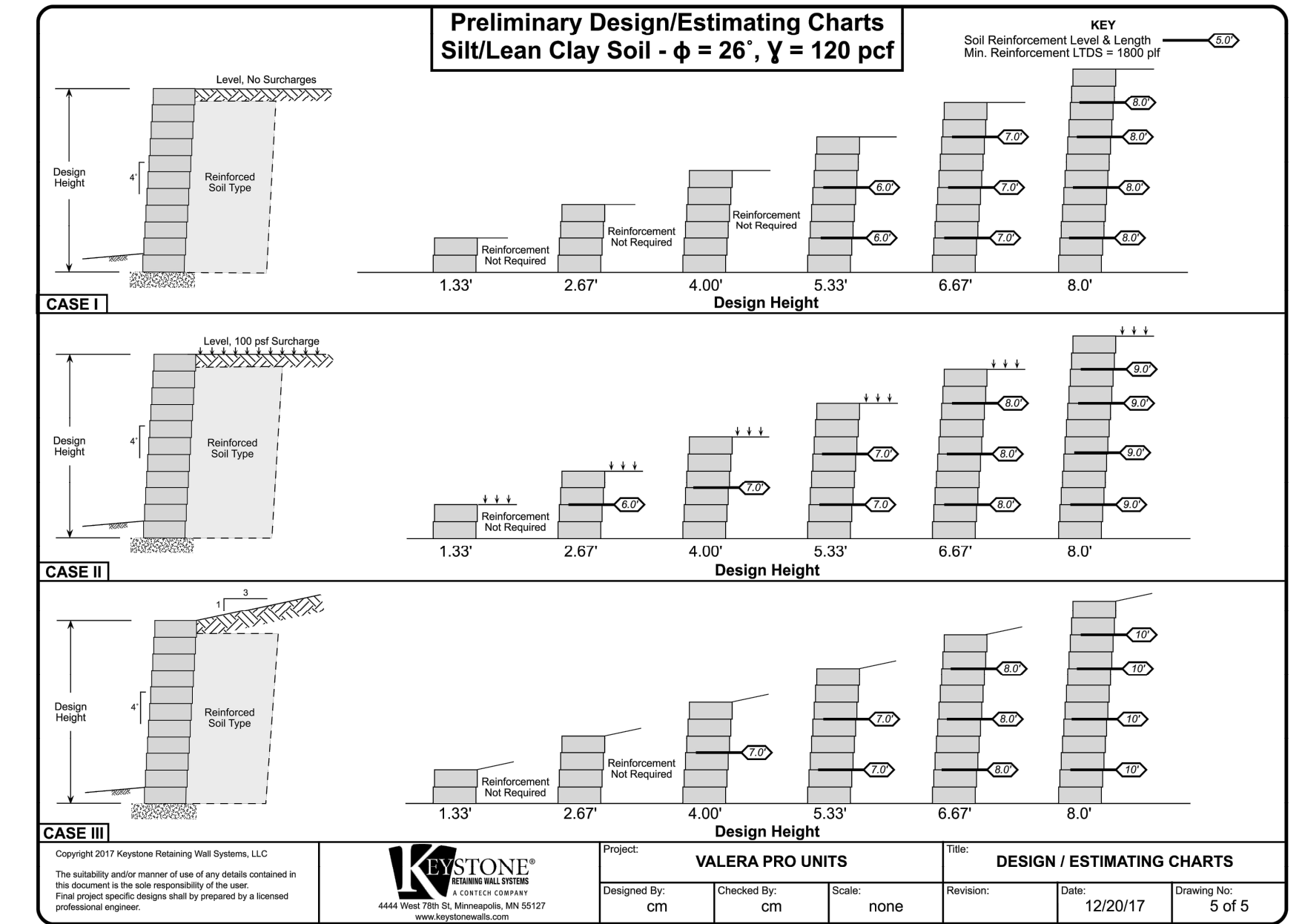
Project:	VALERA PRO UNITS	Title:	DESIGN CHARTS
Designed By:	cm	Date:	12/20/17
Checked By:	cm	Scale:	none
Revision:		Drawing No.:	2 of 5



Project:	VALERA PRO UNITS	Title:	DESIGN / ESTIMATING CHARTS
Designed By:	cm	Date:	12/20/17
Checked By:	cm	Scale:	none
Revision:		Drawing No.:	3 of 5



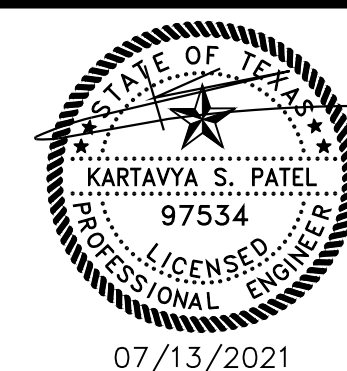
Project:	VALERA PRO UNITS	Title:	DESIGN / ESTIMATING CHARTS
Designed By:	cm	Date:	12/20/17
Checked By:	cm	Scale:	none
Revision:		Drawing No.:	4 of 5



Project:	VALERA PRO UNITS	Title:	DESIGN / ESTIMATING CHARTS
Designed By:	cm	Date:	12/20/17
Checked By:	cm	Scale:	none
Revision:		Drawing No.:	5 of 5

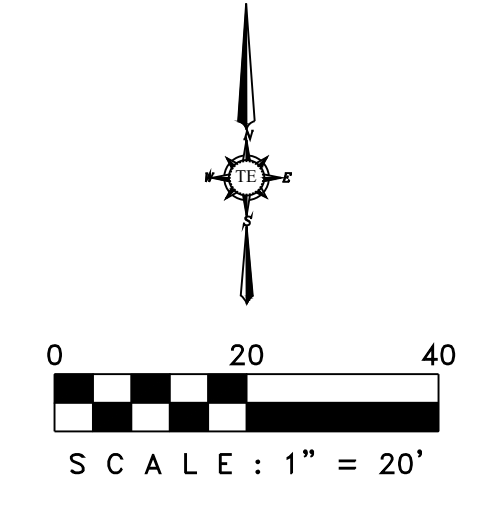
RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING, LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"

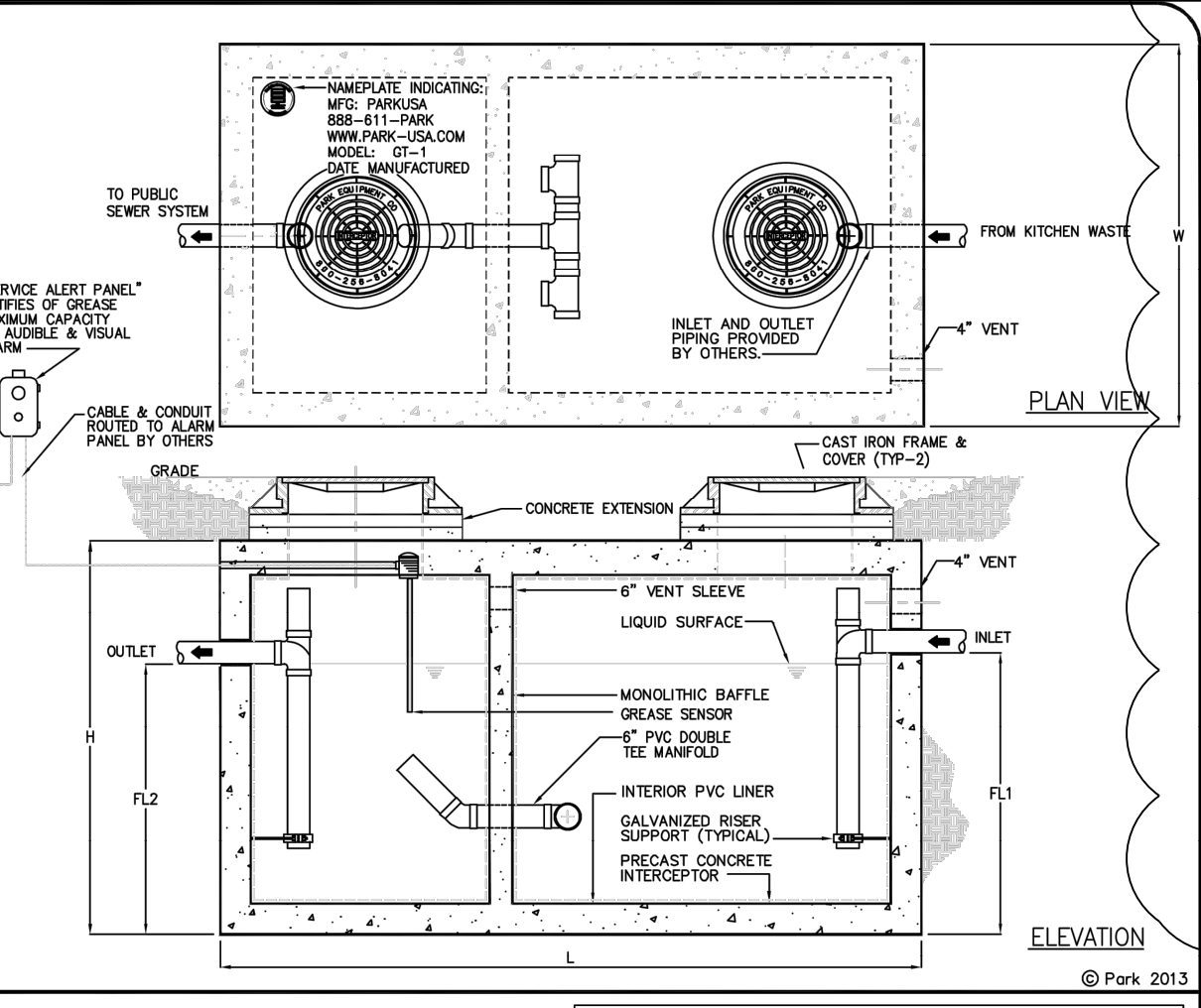
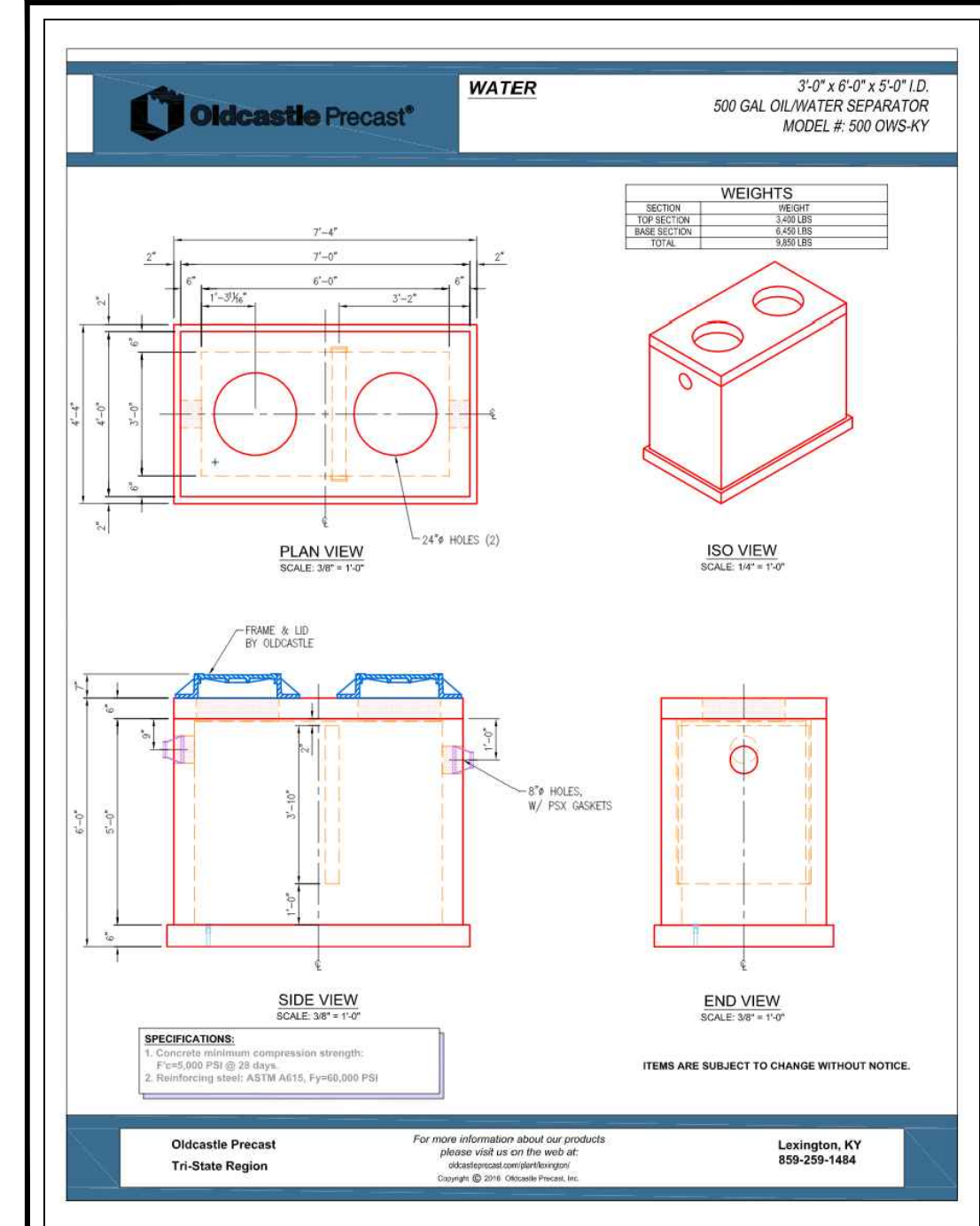


KEYSTONE WALL DETAIL
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

		T: 469.331.8566 F: 469.213.7145 E: info@triangle-engr.com W: triangle-engr.com O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013	
Planning	Civil Engineering	Construction Management	
DESIGN DRAWN	DATE	SCALE	PROJECT NO.
KP	AR	01/10/19	SEE SCALE
			003-18
			7.2
			TX PE FIRM #11525



- UTILITY GENERAL NOTES**
- ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE CITY/UTILITY COMPANY STANDARDS.
 - FIELD VERIFY LOCATION OF EXISTING WATER MAIN, SEWER MAIN, GAS, TELEPHONE AND ELECTRICAL LINE. POT HOLE RECOMMENDED PRIOR TO CONSTRUCTION BEGIN. NO AS-BUILT INFORMATION AVAILABLE FOR WATER & SEWER MAIN. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH SERVICE PROVIDER.
 - THE LOCATION OF UNDERGROUND UTILITIES INDICATED ON THE PLANS IS TAKEN FROM PUBLIC RECORDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF SUCH UNDERGROUND UTILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR EXACT LOCATION AND TO DETERMINE WHETHER ANY ADDITIONAL UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND UTILITIES. IF EXISTING UNDERGROUND UTILITIES ARE DAMAGED, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPAIRING THE UTILITY.
 - WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER, UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AT ONCE OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
 - ALL EXCAVATIONS, TRENCHING AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE U. S. DEPARTMENT OF LABOR, OSHA, "CONST. SAFETY AND HEALTH REGULATIONS", VOL. 29, SUBPART P, PG. 128 - 137, AND ANY AMENDMENTS THERETO.
 - ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION. IN THE EVENT THAT SIGNIFICANT EROSION OCCURS AS A RESULT OF CONSTRUCTION THE CONTRACTOR SHALL RESTORE THE ERODED AREA TO ORIGINAL CONDITION OR BETTER.
 - THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, CULVERT PIPES, DRAINAGE DITCHES, DRIVEWAYS, PRIVATE YARDS AND ROADWAYS.
 - ANY CHANGES NEEDED AFTER CONSTRUCTION PLANS HAVE BEEN RELEASED, SHALL BE APPROVED BY THE CITY ENGINEER. THESE CHANGES MUST BE RECEIVED IN WRITING FROM THE FROM THE DESIGN ENGINEER. THE DIRECTOR OF PUBLIC WORKS SHALL APPROVE ANY DEVIATIONS FROM STATE REGULATIONS.
 - THE CONTRACTOR SHALL PROVIDE "RED LINED" MARKED PRINTS TO THE ENGINEER PRIOR TO FINAL INSPECTION INDICATING ALL CONSTRUCTION WHICH DEVIATED FROM THE PLANS OR WAS CONSTRUCTED IN ADDITION TO THAT INDICATED ON THE PLANS.
 - WATERLINES TO BE DR-14 C900.
 - CONTRACTOR TO INSTALL BLUE EMS DISKS ON THE PUBLIC WATER LINE EVERY 250', VALVE, CHANGE IN DIRECTION, AND SERVICE CONNECTION.



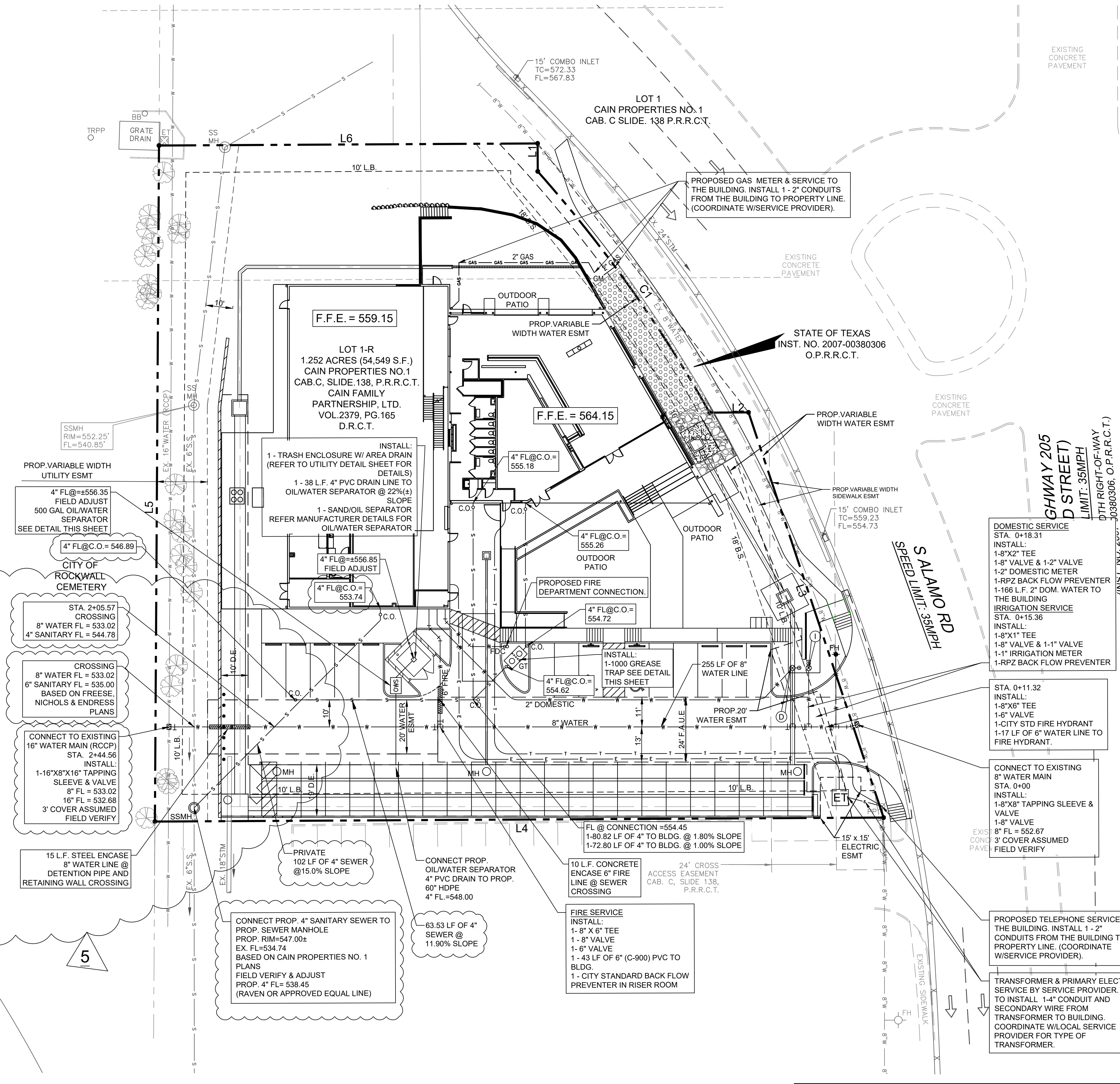
GREASE INTERCEPTOR SCHEDULE

MODEL NO.	CAPACITY (GAL)	GREASE (LBS)	EMPTY LENGTH (FT)	WIDTH (FT)	HEIGHT (FT)	INLET (FT)	OUTLET (FT)
GT-500	500	1,200	9,500	7'-10"	4'-4"	4'-4"	5'-2"
GT-750	750	1,700	9,800	7'-10"	4'-4"	4'-4"	4'-2"
GT-1000	1,000	2,300	13,300	8'-4"	5'-0"	8'-0"	4'-4"
GT-1250	1,250	2,800	14,600	8'-2"	5'-8"	8'-0"	4'-4"
GT-1500	1,500	3,300	16,000	8'-2"	6'-8"	7'-0"	5'-4"
GT-2000	2,000	4,600	21,200	8'-2"	8'-0"	8'-0"	6'-4"
GT-2500	2,500	5,700	27,000	13'-0"	7'-0"	7'-0"	5'-4"
GT-3000	3,000	6,800	33,100	13'-0"	7'-0"	8'-0"	6'-4"
GT-3500	3,500	8,000	38,500	13'-0"	7'-0"	8'-4"	7'-0"
GT-4000	4,000	9,300	44,100	16'-0"	8'-4"	7'-0"	5'-4"

Engineering Data
The grease interceptor is structurally & hydraulically engineered to conform to UPC/IBC and regional plumbing codes recommended in most cities. Consult with local authorities for specific application requirements.
Shop drawings shall include complete structural & buoyancy calculations certified by a licensed professional engineer upon request.
Consult with Park Equipment Company for exact elevation, dimensions & shipping information.

PARK
888.811.7275
www.park-equip.com

GREASE INTERCEPTOR SERIES GT 500 THRU 4000 GALLON CAPACITY
SCALE: NONE DWG. NO. GT-1 REV. A
DATE: 01/15/11

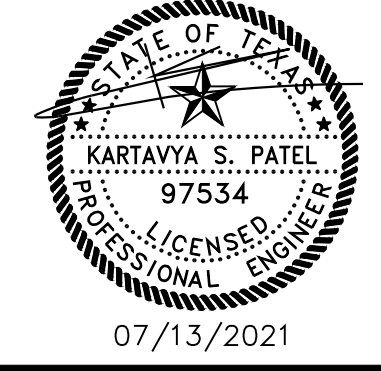


WATER METER & SANITARY SEWER SCHEDULE

ID	TYPE	SIZE	NO.	SAN. SEW.
(D)	DOM.	2"	1	6"
(I)	IRR.	1"	1	N/A

RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING, L.L.C., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



UTILITY PLAN
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TRIANGLE ENGINEERING LLC
T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

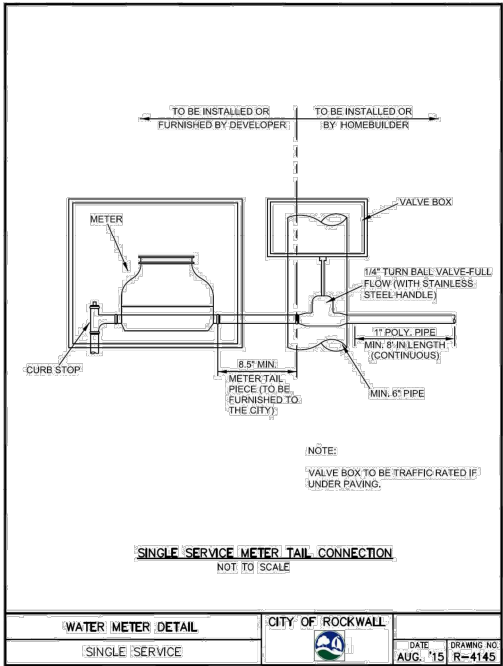
Planning | Civil Engineering | Construction Management

DESIGN DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	01/10/19	SEE SCALE	003-18

TX PE FIRM #11525

07/13/2021

8

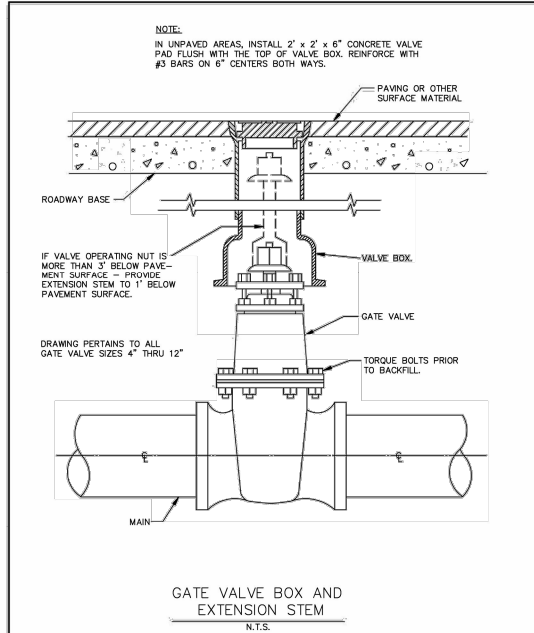


NOTE: VALVE BOX TO BE TRAFFIC RATED IF UNDER PAVING.

SINGLE SERVICE METER TAIL CONNECTION
NOT TO SCALE

WATER METER DETAIL	CITY OF ROCKWALL	DATE	DRAWING NO.
SINGLE SERVICE		AUG. '15	R-4145

Page 225



NOTE: IN UNPAVED AREAS, INSTALL 2' x 2' x 6" CONCRETE VALVE PAD FLUSH WITH THE TOP OF VALVE BOX. REINFORCE WITH #3 BARS ON 6" CENTERS BOTH WAYS.

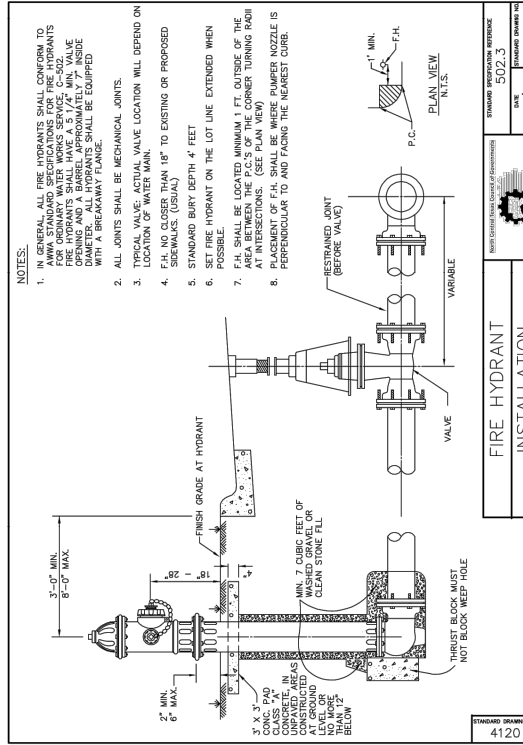
IF VALVE OPERATING NUT IS MORE THAN 3' BELOW PAVEMENT SURFACE - PROVIDE EXTENSION STEM TO 1" BELOW PAVEMENT SURFACE.

DRAWING PERTAINS TO ALL GATE VALVE SIZES 4" THRU 12"

GATE VALVE 4" TO 12" BOX & EXTENSION STEM
N.T.S.

STANDARD SPECIFICATION REFERENCE	DATE	DRAWING NO.
502.6.6*	OCT. '04	4050

*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.

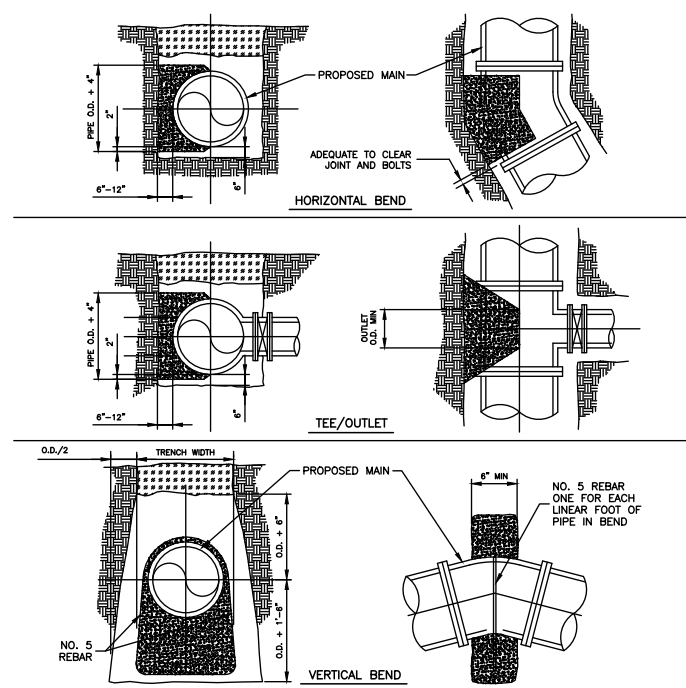


NOTES:

- IN GENERAL, ALL FIRE HYDRANTS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR ORDINARY WATER WORKS SERVICE, C-502.6.6. ALL HYDRANTS SHALL BE INSTALLED WITH A BREAKAWAY FLANGE, WITH A BREAKAWAY PLATE.
- ALL JOINTS SHALL BE MECHANICAL JOINTS.
- TYPICAL VALVE ACTUAL VALVE LOCATION WILL DEPEND ON LOCATION OF WATER MAIN.
- F.H. NO. CLOSER THAN 18" TO EXISTING OR PROPOSED SIDEWALK (USUAL).
- STANDARD BURY DEPTH 4' FEET
- SET FIRE HYDRANT ON THE LOT LINE EXTENDED WHEN POSSIBLE.
- F.H. SHALL BE LOCATED MINIMUM 1 FT. OUTSIDE OF THE AREA BETWEEN THE P.C.'S OF THE CORNER TURNING RADIUS AT INTERSECTIONS. (SEE PLAN VIEW)
- HYDRANT SHALL BE INSTALLED PERPENDICULAR TO AND PLACING THE NEAREST CURB.

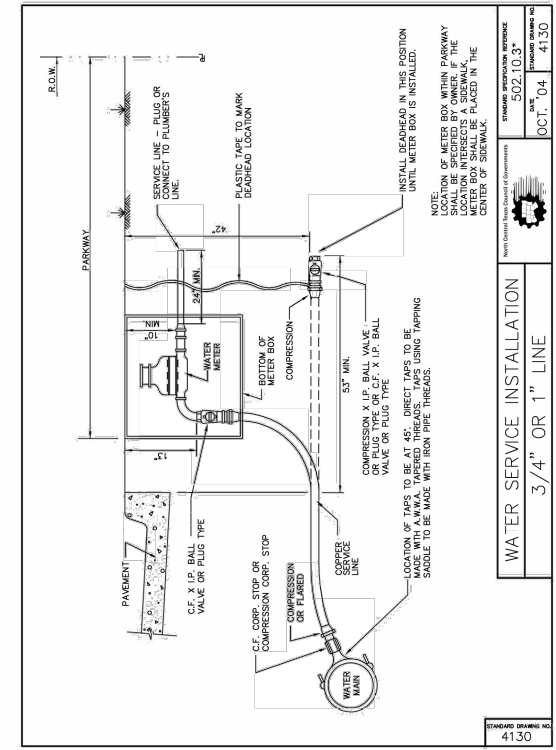
STANDARD SPECIFICATION REFERENCE: 502.3
DATE: OCT. '04
DRAWING NO.: 4120

FIRE HYDRANT INSTALLATION



THRUST BLOCK DESIGN AS FOLLOWS:

	SOIL TYPE	PRESSURE
A. PRESSURE OF 150 P.S.I. (ACTUAL IF HIGHER) + 50% SURGE ALLOWANCE	LIMESTONE	4000 LBS./SQ. FT.
B. MAXIMUM SOIL BEARING:	UNDISTURBED SOIL, CALICHE	2000 LBS./SQ. FT.
C. ALL PIPE & FITTING TO BE WRAPPED WITH 40 PLASTIC MIL.	LOOSE OR SPONGY SOIL	1500 LBS./SQ. FT.

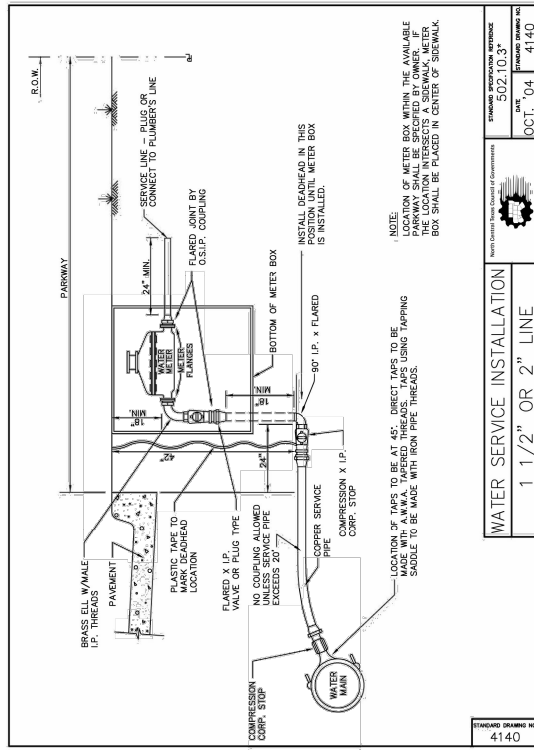


NOTE: INSTALL SERVICE IN THIS POSITION UNTIL METER BOX IS INSTALLED. LOCATION OF METER BOX WITHIN PARKWAY SHALL BE PLACED IN THE CENTER OF SIDEWALK.

STANDARD SPECIFICATION REFERENCE: 502.10.3
DATE: OCT. '04
DRAWING NO.: 4130

WATER SERVICE INSTALLATION 3/4" OR 1" LINE

*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.



NOTE: LOCATION OF METER BOX WITHIN THE AVAILABLE PARKWAY SHALL BE PLACED IN THE CENTER OF SIDEWALK.

STANDARD SPECIFICATION REFERENCE: 502.10.3
DATE: OCT. '04
DRAWING NO.: 4140

WATER SERVICE INSTALLATION 1 1/2" OR 2" LINE

*Section II Standard Drawings as of October 2004. Reference number only has been updated for Fifth Edition Specifications. Public Works Construction Standards North Central Texas, Fifth Edition.

3 THRUST BLOCK DETAIL
N.T.S.

8.1

RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING, L.L.C., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



WATER DETAILS
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

TRIANGLE ENGINEERING L.L.C.

T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

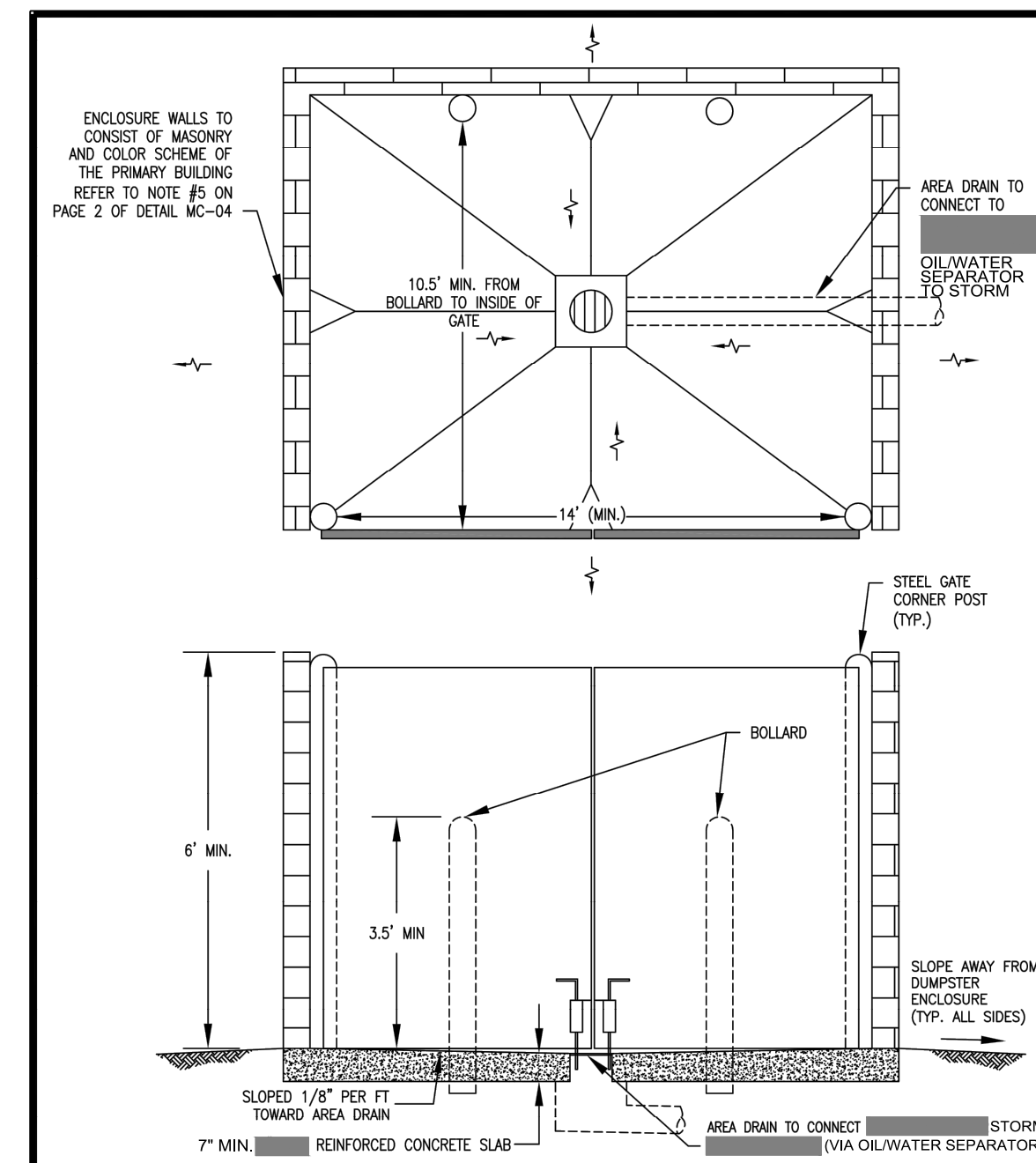
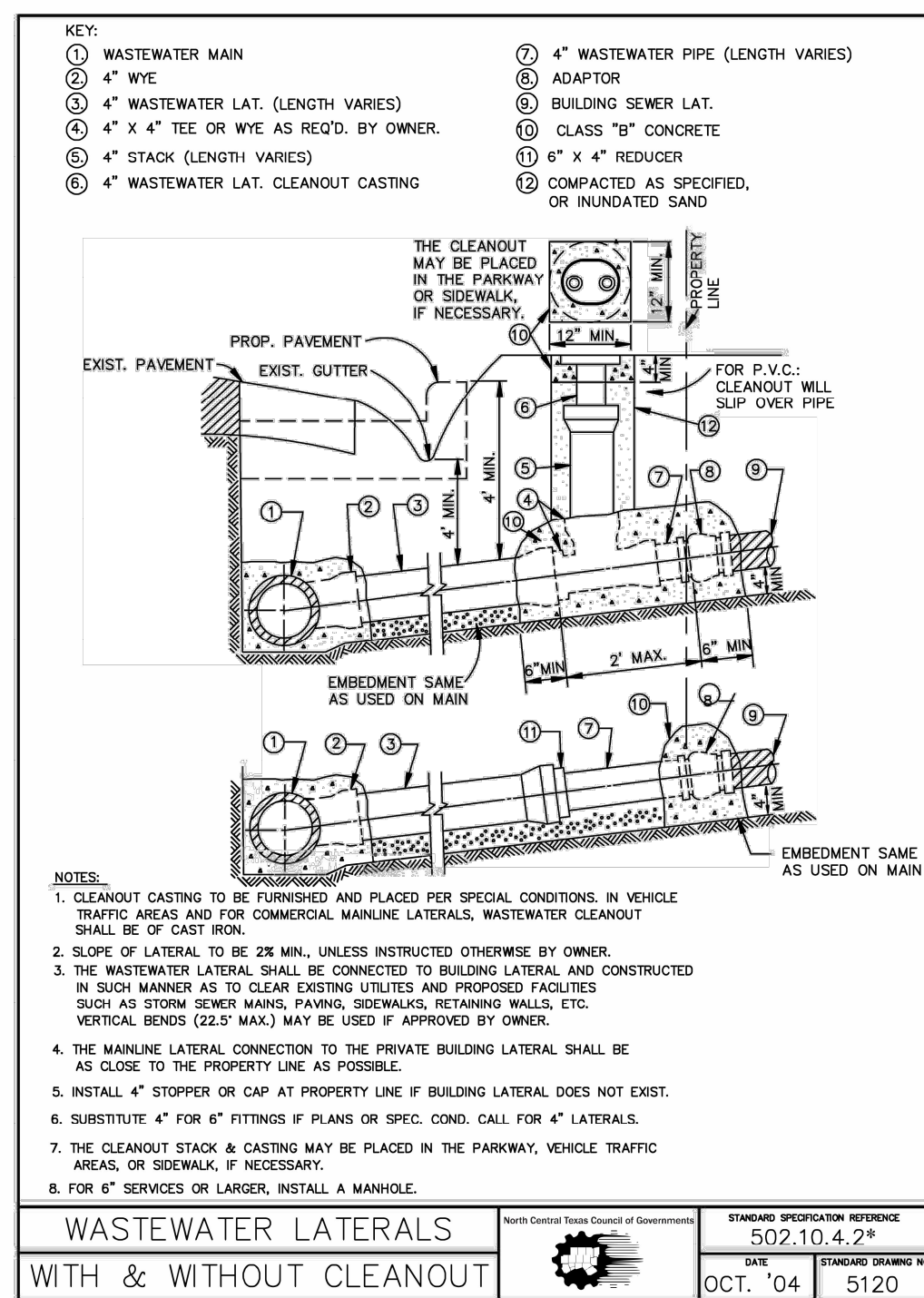
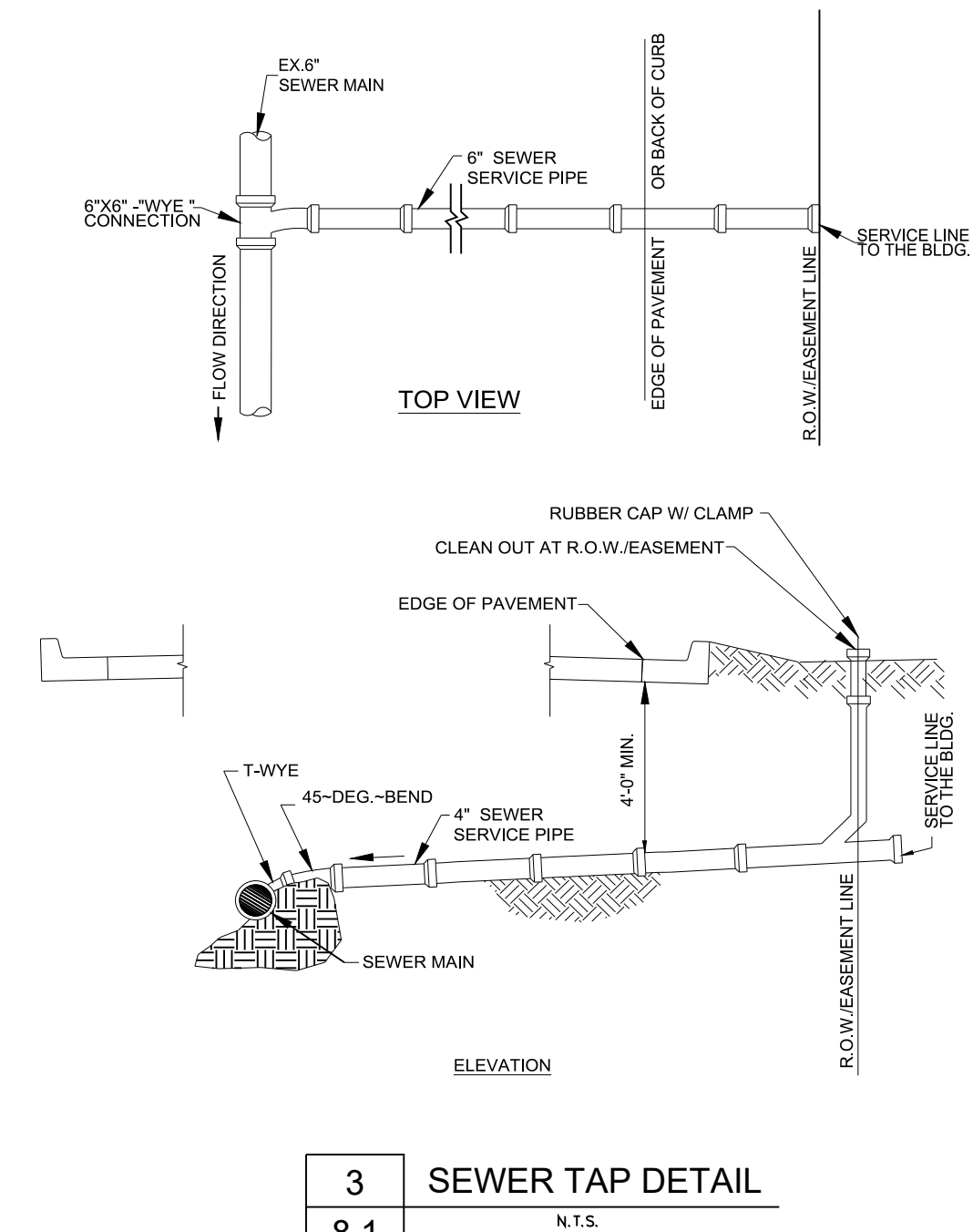
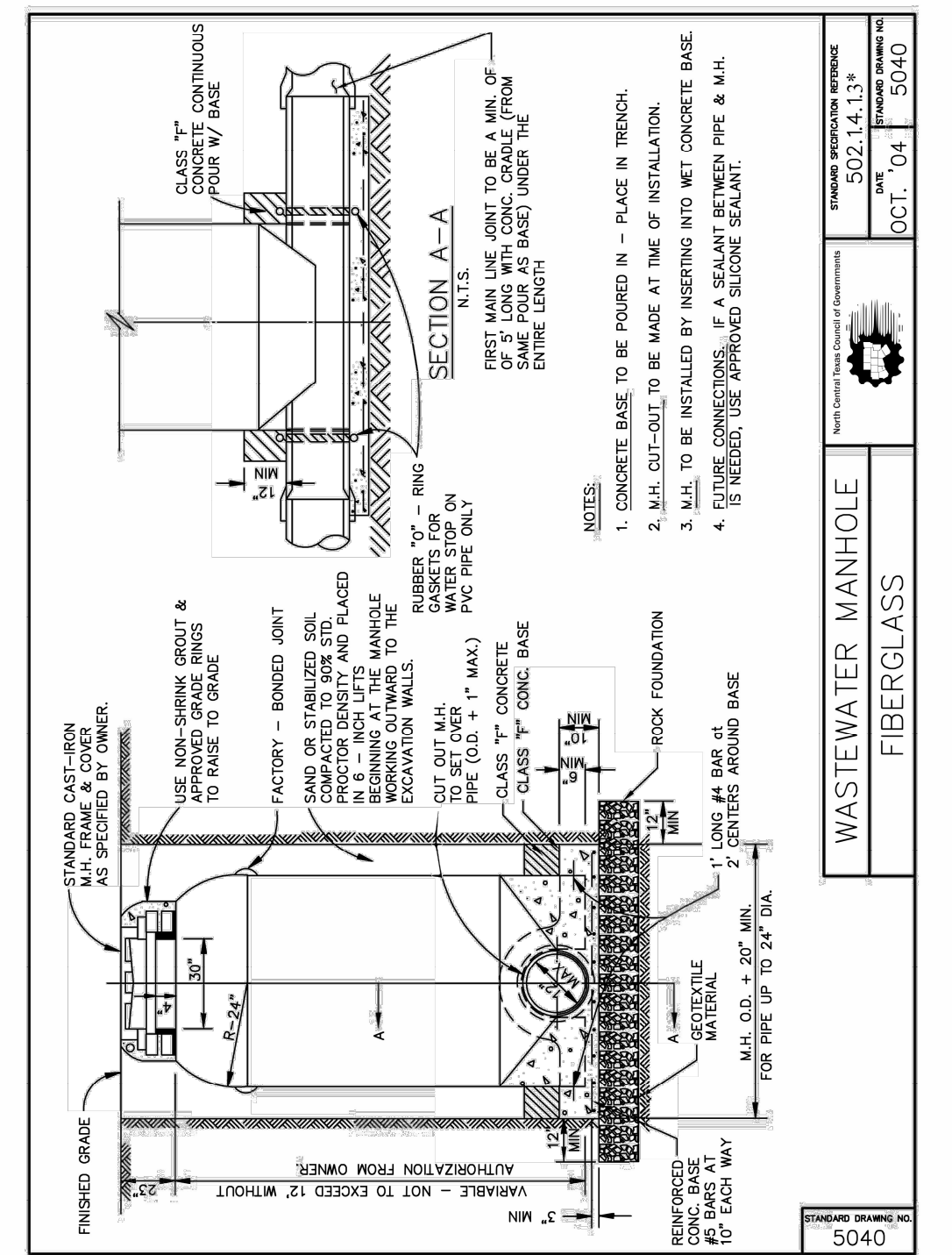
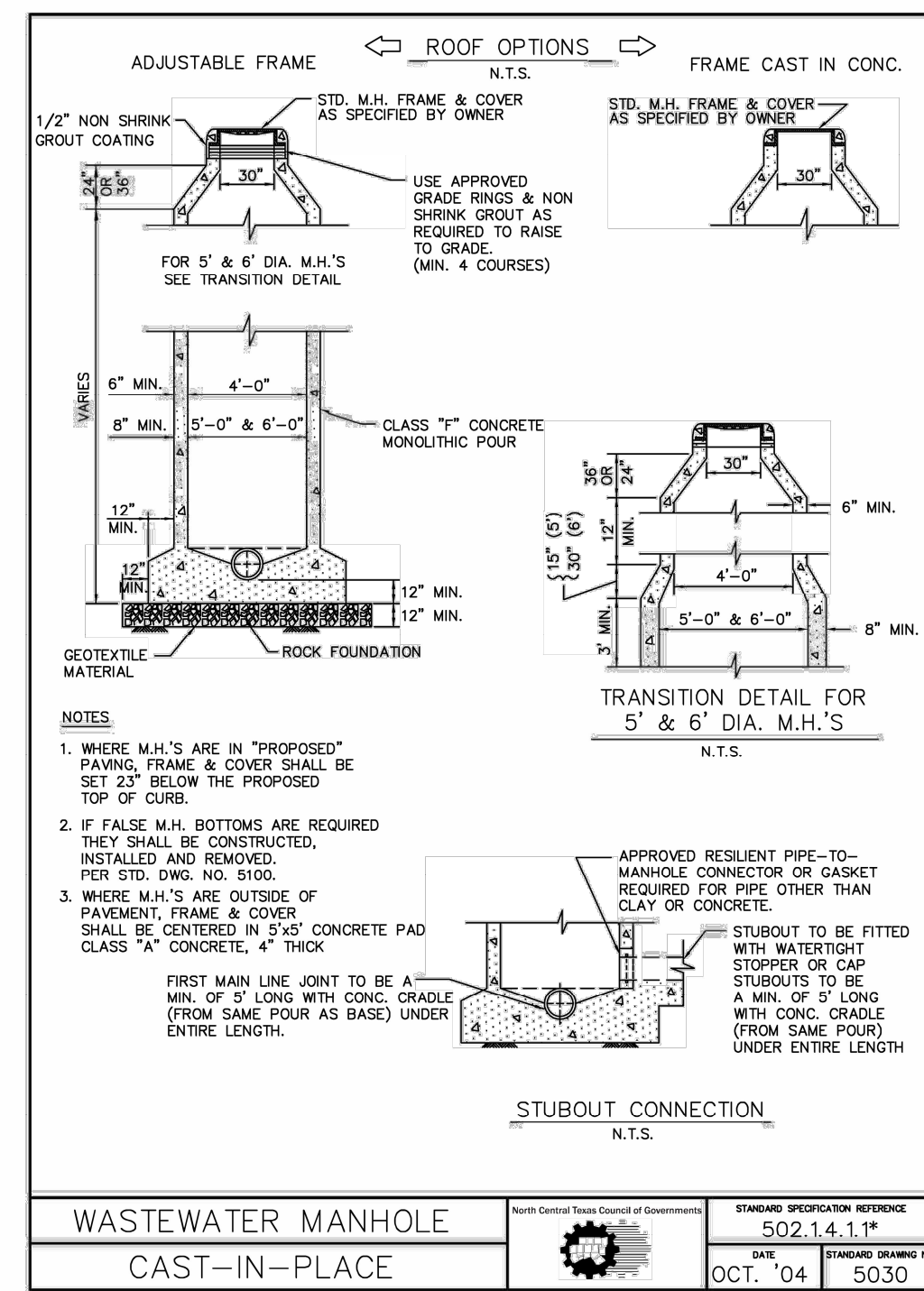
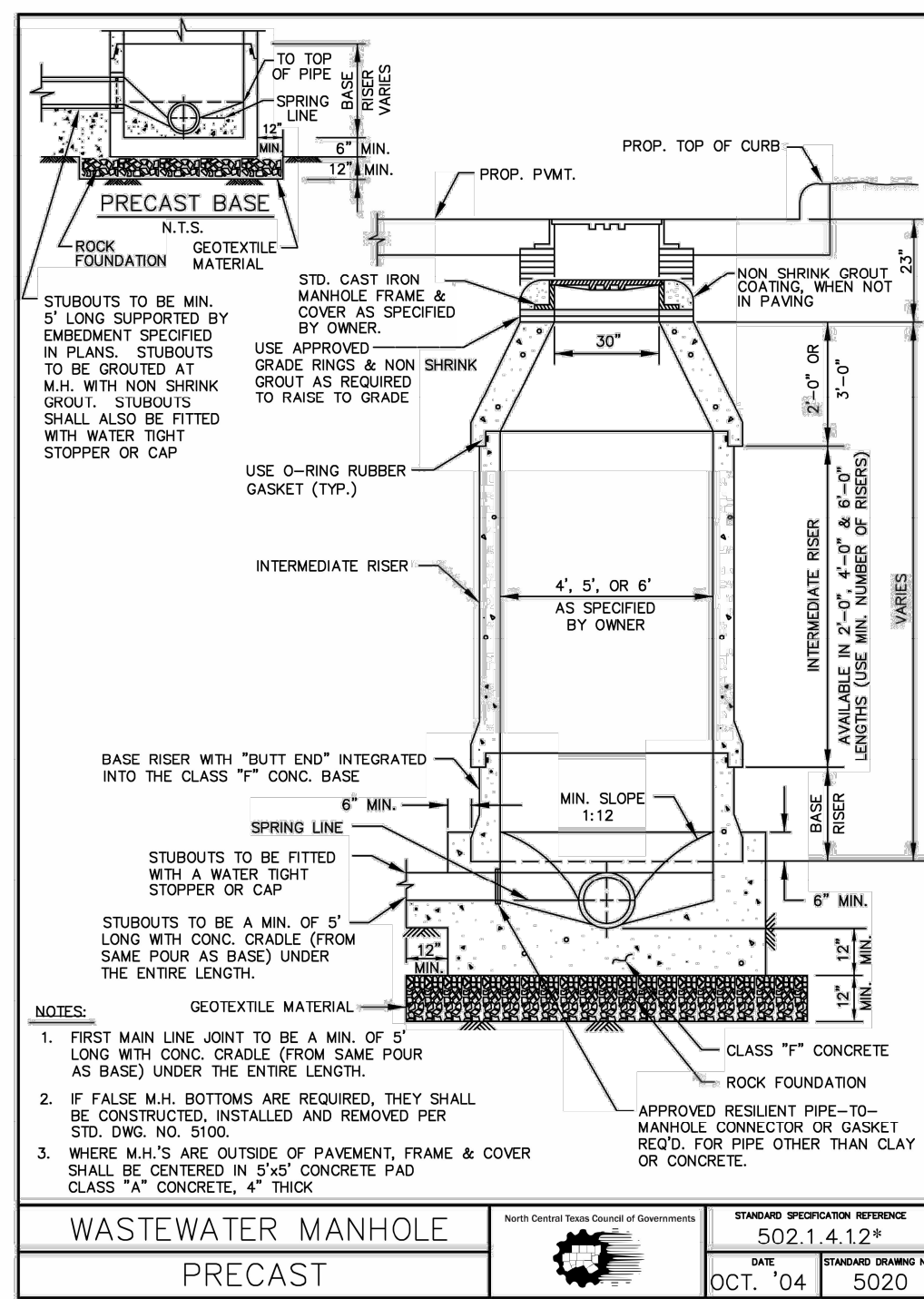
Planning | Civil Engineering | Construction Management

DESIGN DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	01/10/19	SEE SCALE	003-18

TX PE FIRM #11525

8.1

07/13/2021



- NOTES:
- DUMPSTER ENCLOSURE SHALL BE LOCATED ON THE SIDE OR REAR OF THE BUILDING AND SCREENED FROM GROUND LEVEL PUBLIC VIEW.
 - DUMPSTER ENCLOSURE MUST BE LOCATED AT LEAST 50' AWAY FROM RESIDENTIAL ZONING DISTRICTS OR LAND USES, WITH THE EXCEPTION OF MULTI-FAMILY-ZONED PROPERTY.
 - DUMPSTER ENCLOSURE MAY ENCRATCH NO MORE THAN 10' INTO THE SIDE OR REAR SETBACK, BUT AT NO TIME MAY THEY ENCRATCH INTO THE FRONT SETBACK OR WITHIN A SETBACK ADJACENT TO SINGLE FAMILY.
 - FOR RESTAURANT AND MIXED USE USERS, DUMPSTER BINS SHALL BE LOCATED ON A MINIMUM 6" REINFORCED CONCRETE SLAB, SLOPED (1/8" PER FT) TO THE CENTER POINT OF THE SLAB. THE CENTER OF THE SLAB SHALL CONTAIN AN INTERNAL DRAIN THAT IS CONNECTED TO A WASTEWATER LINE AND ROUTED THROUGH A GREASE TRAP.
 - DUMPSTER BINS SHALL BE SCREENED ON FOUR SIDES, USING AN ENCLOSURE THAT SCREENS THE BINS FROM VIEW AT THE PROPERTY LINES. SCREENING SHALL BE A MINIMUM OF 6' IN HEIGHT AND AS TALL AS THE CONTAINER, AND SHALL BE COMPOSED OF:
 - MASONRY (BRICK, STUCCO, REINFORCED CONCRETE, OR OTHER SIMILAR MASONRY MATERIALS) AND COLOR SCHEMES CONSISTENT WITH THE PRIMARY BUILDING.
 - A MINIMUM OF TWO (2) CONCRETE FILLED 6" STEEL BOLLARDS ADJACENT TO THE REAR WALL TO EXTEND A MINIMUM OF 18" BELOW GRADE.
 - DUMPSTER ENCLOSURES SHALL HAVE SPRING LOADED STEEL GATES WITH HINGES AND FASTENERS TO KEEP THEM CLOSED. GATES ON THE ENCLOSURE SHALL BE HINGED ON THE OUTSIDE OF EACH CORNER POST TO ALLOW THE GATES TO OPEN A MINIMUM OF 110 DEGREES. WHEN IN USE, TIEBACKS SHALL BE USED TO SECURE THE STEEL GATES IN THE OPEN POSITION (SELF LATCHING GATE).
 - THE INGRESS, EGRESS, AND APPROACH SHALL CONFORM TO FIRE LANE REQUIREMENTS.
 - SCREENING SHALL BE MAINTAINED BY THE OWNER AT ALL TIMES.
 - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 3,600 PSI (MIN 5.5 SACK MIX).

SEWER DETAILS
ROCKWALL BREWERY
 310 SOUTH GOLIAD STREET
 CITY OF ROCKWALL
 ROCKWALL COUNTY, TEXAS

TRIANGLE ENGINEERING LLC

T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
 W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

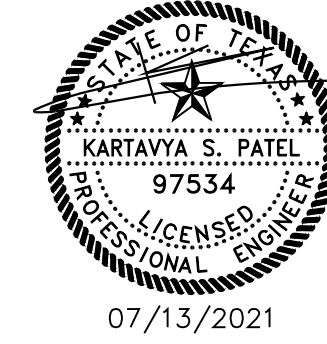
Planning | Civil Engineering | Construction Management

DESIGN DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	01/10/19	SEE SCALE	003-18	8.2

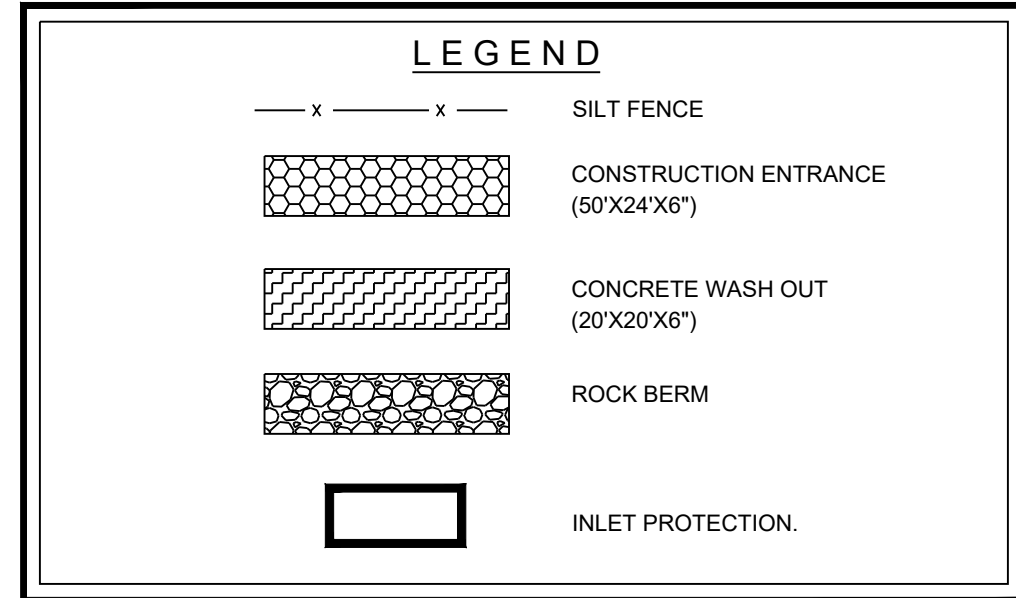
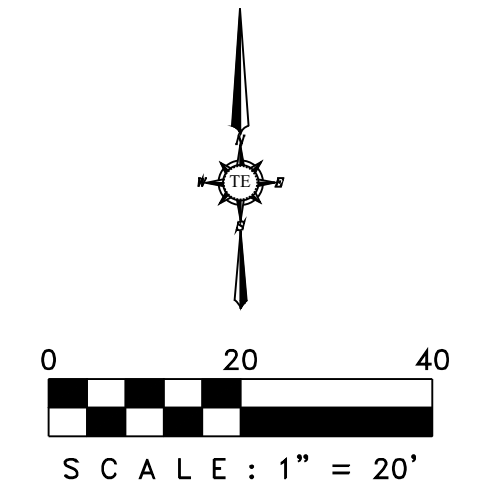
TX PE FIRM #11525

RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING, LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



07/13/2021



EROSION CONTROL SUMMARY

PROJECT DESCRIPTION: SITE GRADING, CONSTRUCTION OF PARKING LOT, UNDERGROUND AND ABOVE GROUND UTILITIES & CONSTRUCTION OF PROPOSED BUILDING.

SEQUENCE OF ACTIVITIES: THE CONTRACTOR WILL SCHEDULE THE PROJECT IN A SERIES OF PHASES. IN GENERAL, THE SEQUENCE OF THESE PHASES WILL CONSIST OF:

1. INSTALL EROSION CONTROL BMP'S.
2. EARTHWORK.
3. UTILITIES.
4. SITE GRADING.
5. TEMPORARY/PERMANENT DRIVEWAY AND PARKING LOT.
6. BUILDING FOUNDATION PAD.
7. VERTICAL BUILDING CONSTRUCTION.
8. FINALIZE UTILITIES.
9. REMOVAL OF EXISTING EROSION CONTROL BMP'S & INSTALLATION OF PERMANENT EROSION CONTROL BMP'S.

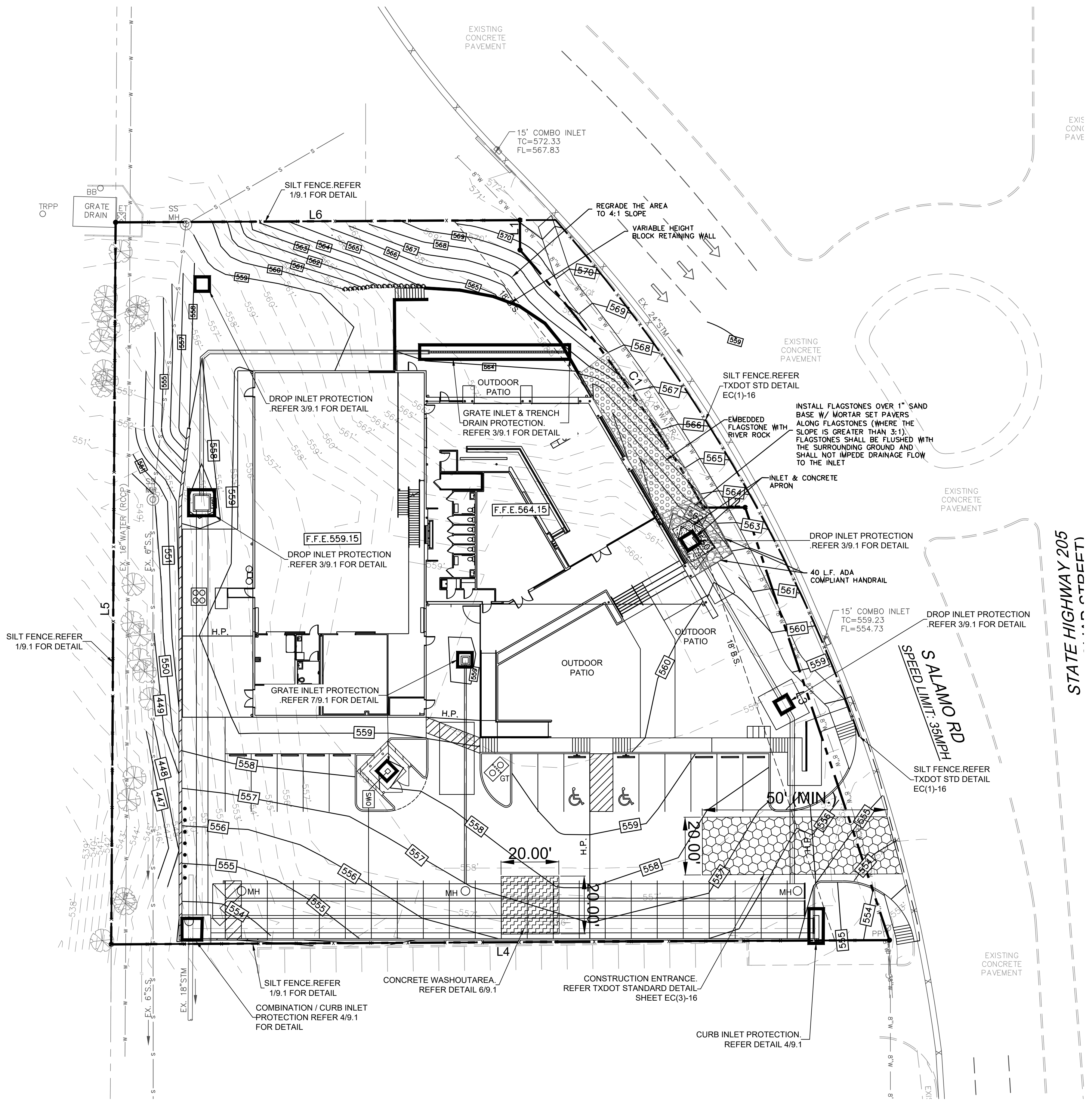
SOIL DISTURBING ACTIVITIES: SOIL DISTURBING ACTIVITIES WILL INCLUDE CLEARING & GRUBBING, GRADING, TRENCHING IN PREPARATION FOR INSTALLING UTILITIES, BUILDING PAD, PARKING LOT, EROSION & SEDIMENTATION CONTROLS AND TOPSOIL WORK FOR FINAL PLANTING AND SEEDING.

TOTAL PROJECT AREA: 1.252 ACRES
TOTAL AREA DISTURBED: 1.252 ACRES

EROSION & SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:
 SELECT T = TEMPORARY OR P = PERMANENT (AS APPLICABLE)

- MULCHING (HAY OR STRAW)
- BUFFER ZONES
- P PLANTING
- T SEEDING
- P SODDING
- PRESERVATION OF NATURAL RESOURCES
- FLEXIBLE CHANNEL LINER
- RIGID CHANNEL LINER
- SOIL RETENTION BLANKET
- COMPOST MANUFACTURED TOPSOIL
- EROSION CONTROL BLANKET



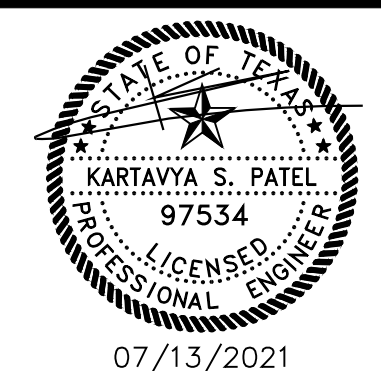
- EROSION CONTROL GENERAL NOTES**
1. EVERY SOIL DISTURBING ACTIVITY SHALL HAVE AN ACCOMPANYING EROSION CONTROL PLAN.
 2. THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) SHALL BE READILY AVAILABLE FOR REVIEW BY FEDERAL, STATE, OR LOCAL OFFICIALS.
 3. NO SOIL DISTURBING ACTIVITIES WILL OCCUR PRIOR TO THE SWP3, E.C.P. AND ASSOCIATED BEST MANAGEMENT PRACTICES (BMP) BEING FULLY IMPLEMENTED, AND THEN INSPECTED BY DALLAS'S ECO.
 4. THE CONTRACTOR SHALL COMPLY WITH THE CITY'S STORM WATER ORDINANCE, THE TPDES GENERAL CONSTRUCTION PERMIT TXR150000 AND ANY OTHER STATE AND/OR LOCAL REGULATIONS.
 5. THE SITE SHALL BE REVIEWED BY THE OPERATOR OR HIS REPRESENTATIVE WEEKLY, AND AFTER ANY MAJOR STORM, ADJUSTMENTS/REPAIRS TO THE EROSION CONTROL MEASURES WILL BE MADE AS NEEDED. THE CONTRACTOR SHALL NOTIFY DALLAS'S ECO OF ADJUSTMENTS/REPAIRS SUCH THAT THE ADJUSTMENTS/REPAIRS MAY BE INSPECTED AND APPROVED BY THE ECO.
 6. CONTRACTOR SHALL VEGETATE ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF GRADING ACTIVITIES. FINAL ACCEPTANCE OF A SITE SHALL BE CONTINGENT UPON VEGETATION BEING ESTABLISHED IN ALL DISTURBED AREAS.
 7. ALL NON-IMPERVIOUS AREAS AFTER CONSTRUCTION SHALL BE COVERED WITH SOD OR LANDSCAPED IN ACCORDANCE WITH THE LANDSCAPE DRAWINGS. ALL OTHER REMAINING AREAS SHALL BE HYDROMULCHED OR COVERED WITH CURLEX BLANKET (WHERE SHOWN OR PROVIDE MAP SHOWING) AND MAINTAINED UNTIL ESTABLISHED.
 8. TEMPORARY STONE STABILIZED CONSTRUCTION ENTRANCE SHALL HAVE THE FOLLOWING MINIMUM DIMENSIONS: 20' WIDE X 50' LONG X 12" DEEP, (4"-6" COURSE AGGREGATE). PLACE FILTER FABRIC UNDER STONE.
 9. THE STABILIZED CONSTRUCTION ENTRANCE IS TO BE USED AS A VEHICLE WASH DOWN AREA FOR DEBRIS AND SOIL REMOVAL PRIOR TO EXITING THE SITE. THIS STABILIZED ENTRANCE SHALL BE TOP DRESSED WITH ADDITIONAL STONE AS NECESSARY.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE, AS THE ENTITY EXERCISING OPERATIONAL CONTROL, FOR ALL PERMITTING AS REQUIRED BY THE EPAT/CEQ. THIS INCLUDES, BUT IS NOT LIMITED TO, PREPARATION OF NOI AND NOT PAYMENT OF ALL ASSOCIATED FEES.
 11. 75%-80% OF ALL DISTURBED AREA TO HAVE A MIN. 1" STAND OF GRASS (NOT WEEDS OR WINTER RYE) PRIOR TO ACCEPTANCE AND/OR CERTIFICATION OF OPERATION INCLUDING ALL ROW SOD.

LEGENDS

C.S.N.	CONSTRUCTION SITE NOTICE
E.P.A.	ENVIRONMENTAL PROTECTION AGENCY
T.C.E.Q.	TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
N.O.T.	NOTICE OF TERMINATION
N.O.I.	NOTICE OF INTENT
E.C.O.	EROSION CONTROL OFFICER
B.M.P.	BEST MANAGEMENT PRACTICE

RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING,LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



EROSION CONTROL PLAN
 ROCKWALL BREWERY
 310 SOUTH GOLIAD STREET
 CITY OF ROCKWALL
 ROCKWALL COUNTY, TEXAS

TRIANGLE ENGINEERING LLC

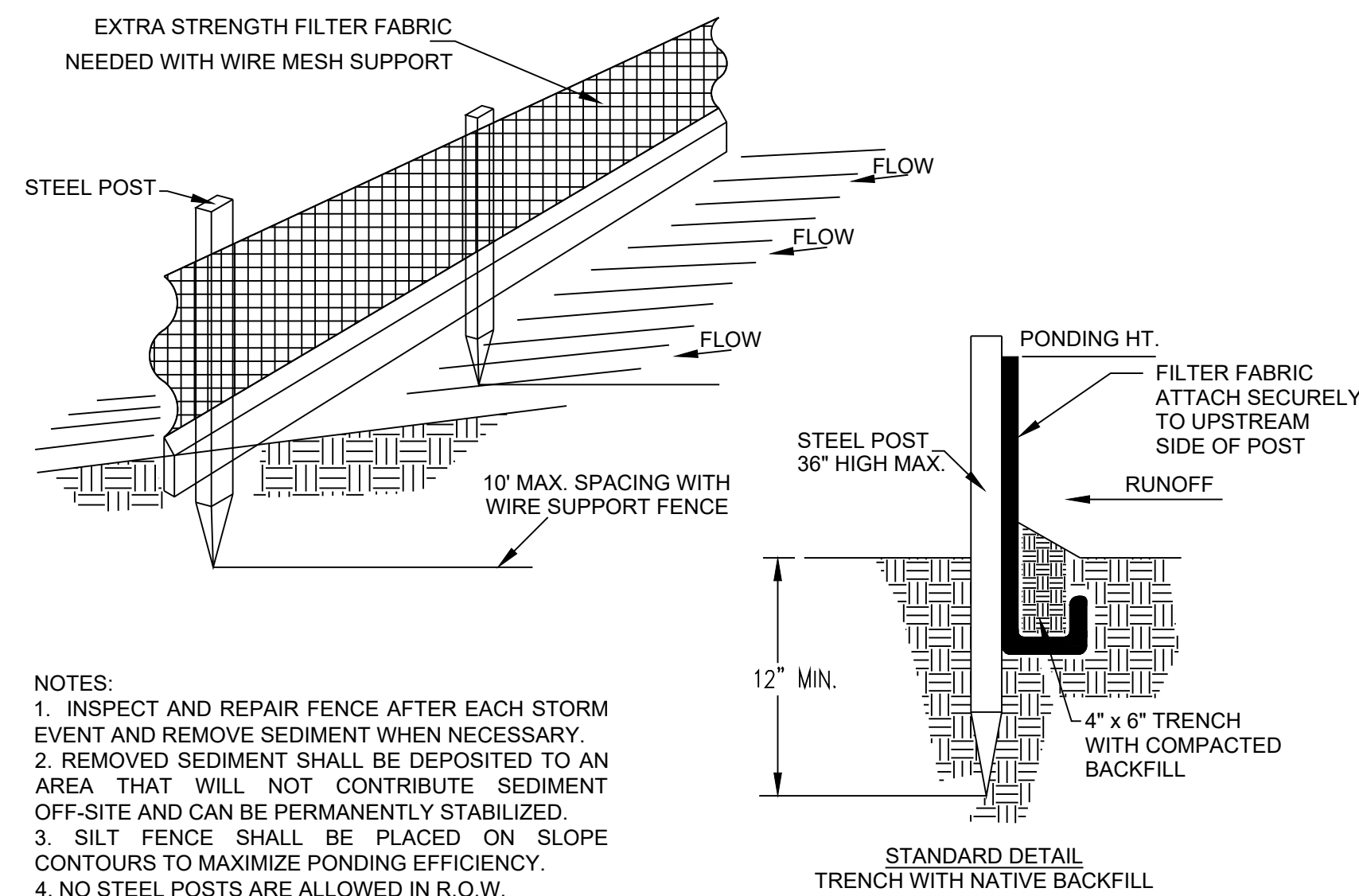
T: 469.331.8566 | F: 469.213.7145 | E: info@triangle-engr.com
 W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

Planning | Civil Engineering | Construction Management

DESIGN DRAWN	DATE	SCALE	PROJECT NO.	SHEET NO.
KP	AR	01/10/19	SEE SCALE	003-18

9

TX PE FIRM #11525

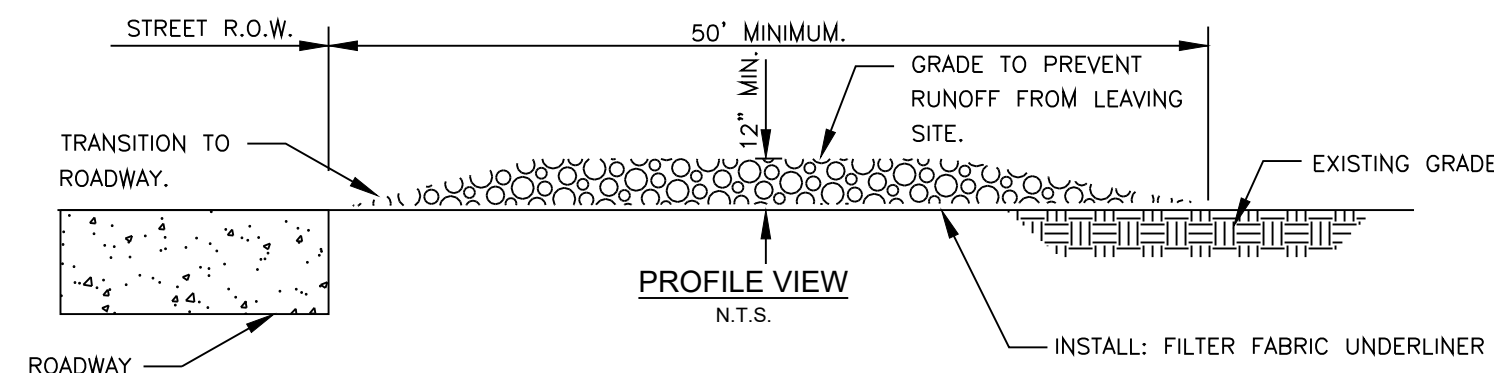


1 SILT FENCE DETAILS
9.1 N.T.S.

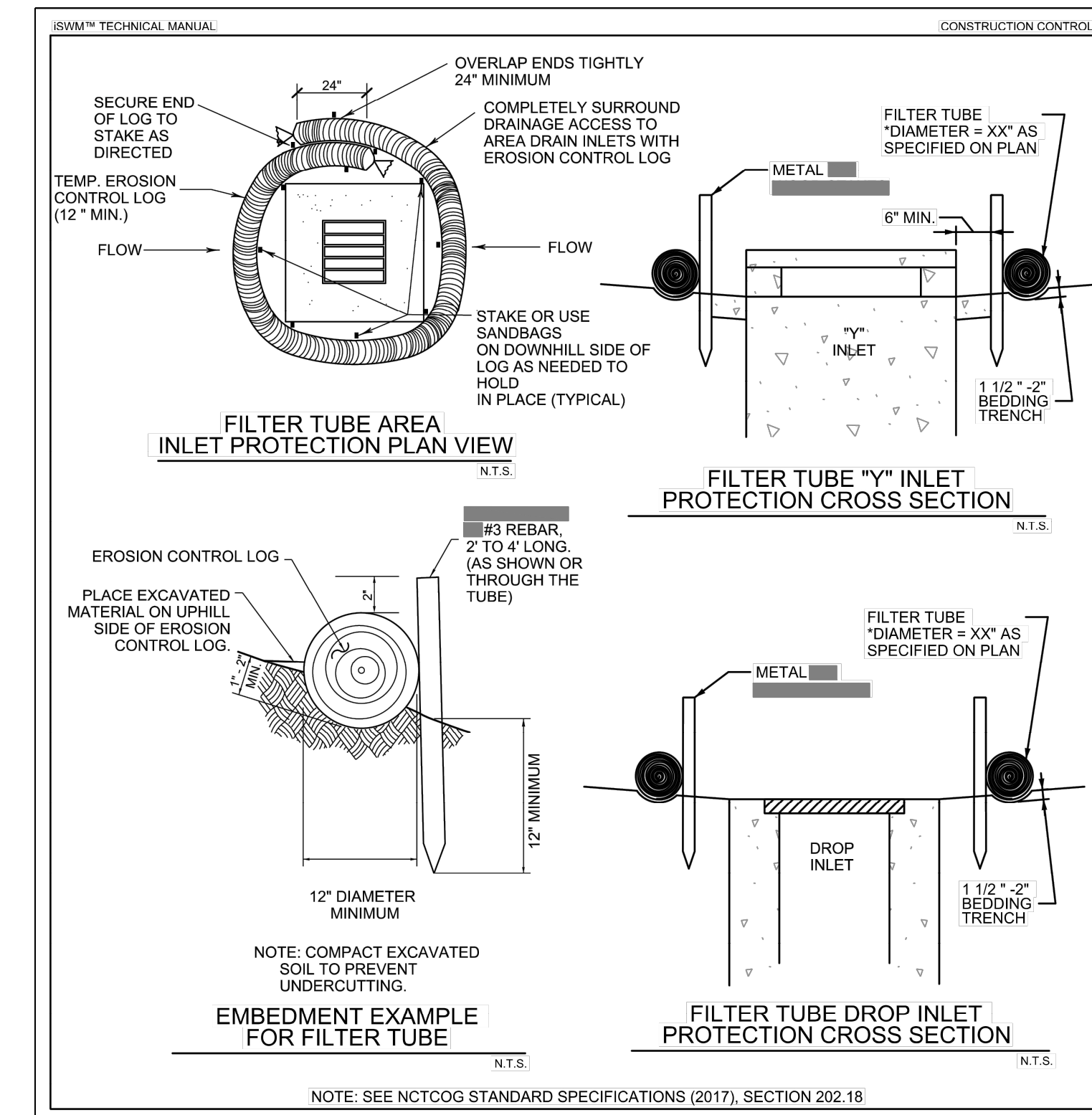
STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES

1. STABILIZED CONSTRUCTION ENTRANCES SHALL CONFORM TO CITY EROSION CONTROL CRITERIA MANUAL.
2. STONE SIZE SHALL BE 4" - 8" OPEN GRADED ROCK. NO RECYCLED OR CRUSHED CONCRETE ALLOWED.
3. THICKNESS OF CRUSHED STONE PAD TO BE NOT LESS THAN 12".
4. LENGTH SHALL BE A MINIMUM OF 50' FROM ACTUAL ROADWAY, AND WIDTH NOT LESS THAN FULL WIDTH OF INGRESS/EGRESS.
5. ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY BY CONTRACTOR. AS NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.

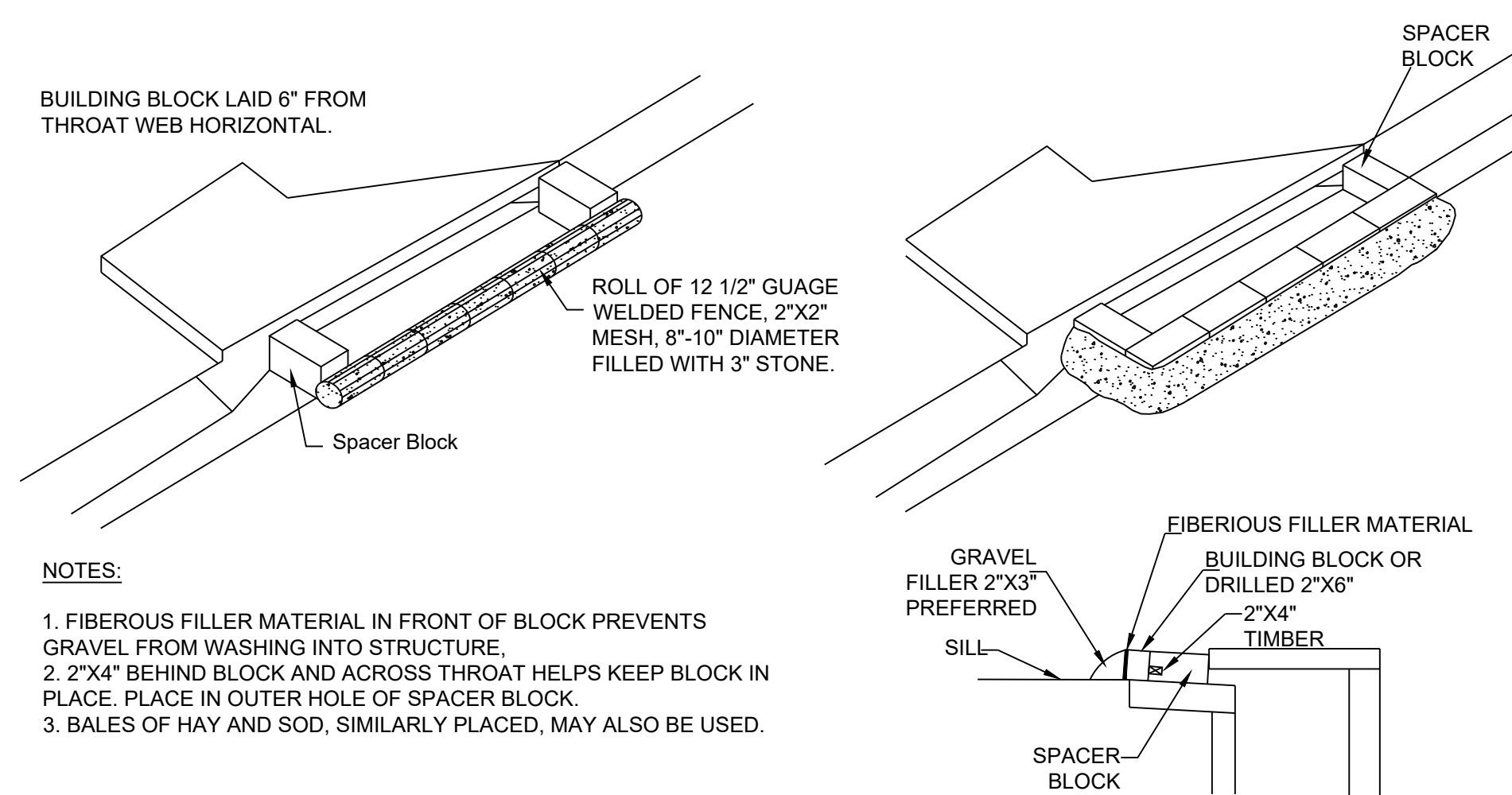


2 CONSTRUCTION ENTRANCE DETAILS
9.1 N.T.S.

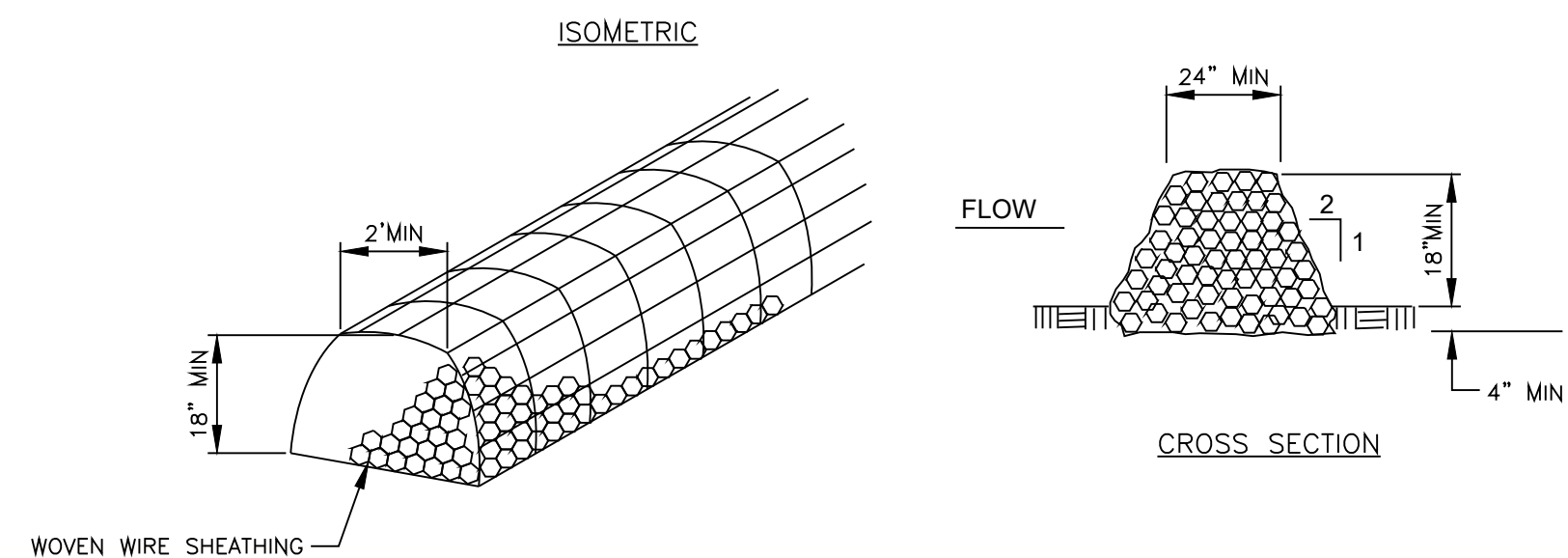


- NOTES:**
1. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2".
 2. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY CLEAN THE INLET PROTECTION IF EXCESSIVE PONDING OCCURS.
 3. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

3 DROP INLET PROTECTION DETAILS
9.1 N.T.S.

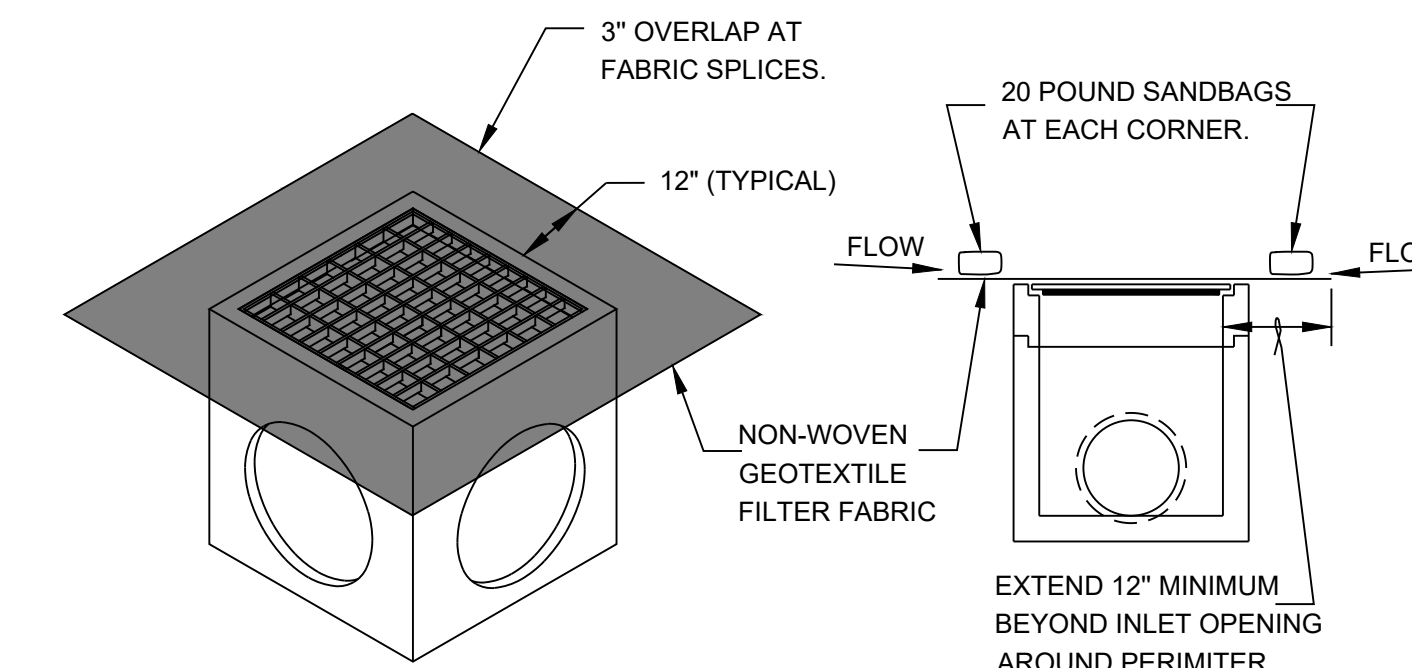


4 CURB INLET PROTECTION DETAILS
9.1 N.T.S.



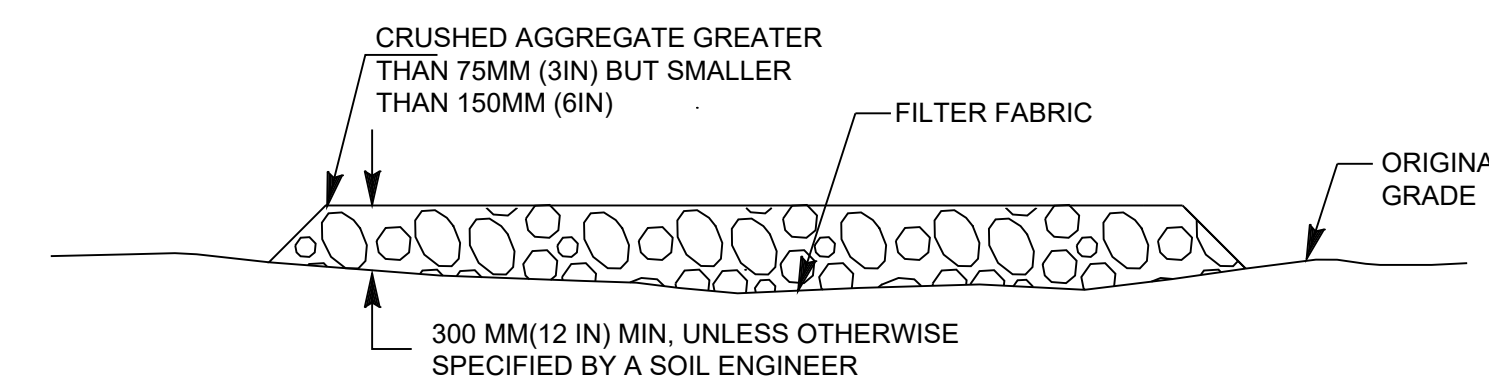
- NOTES:**
1. USE ONLY OPEN GRADED ROCK (3 TO 5") DIAMETER FOR ALL CONDITIONS.
 2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 1" OPENING AND MINIMUM WIRE DIAMETER OF 20 GAUGE.
 3. THE ROCK BERM SHALL BE INSPECTED DAILY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SEDIMENT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
 4. IF SEDIMENT REACHES A DEPTH OF 6", THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SEDIMENTATION PROBLEM.
 5. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

5 ROCK BERM DETAIL
9.1 N.T.S.



- NOTES:**
1. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2".
 2. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY CLEAN THE INLET PROTECTION IF EXCESSIVE PONDING OCCURS.
 3. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

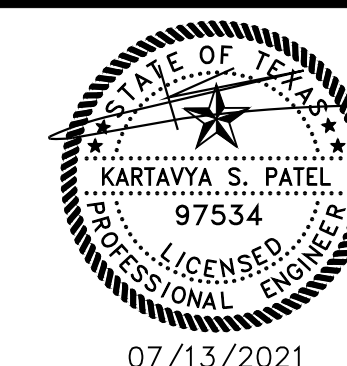
7 AREA/GRATE INLET PROTECTION
9.1 N.T.S.



6 CONCRETE WASH OUT AREA
9.1 N.T.S.

RECORD DRAWINGS

"TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING,LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR"



07/13/2021

EROSION CONTROL DETAILS
ROCKWALL BREWERY
310 SOUTH GOLIAD STREET
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

DESIGN	AR	DATE	01/10/19	SCALE	SEE SCALE	PROJECT NO.	003-18	SHEET NO.	9.1
TX PE FIRM #11525									