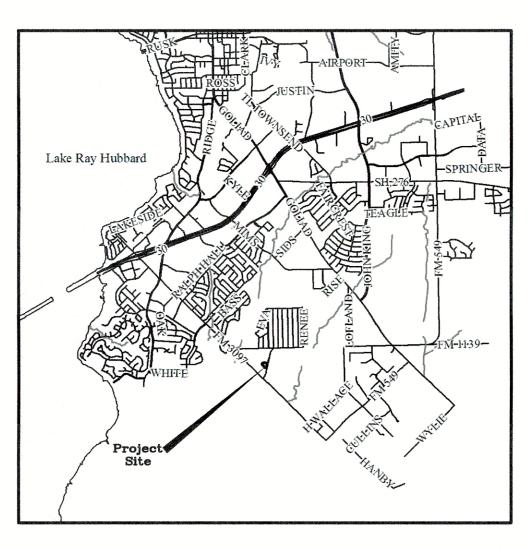
# SITE WORK CONSTRUCTION PLANS PATRIOT PAWS - PHASE 01



# CITY OF ROCKWALL ROCKWALL COUNTY, TEXAS

## DECEMBER 2015



MAPSCO PG. NO. 30C GRID 'R' VICINITY MAP
N.T.S.

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### RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND/OR OWNER. THE ENGINEER HAS NOT VERIFIED THE ACCURACY OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

BROWN & GAY ENGINEERS, INC.
TEXAS REGISTERED ENGINEERING FIRM F-1048

Date: 6-22-1





Brown & Gay Engineers, Inc.

2595 Dallas Pkwy., Suite 204, Frisco, Tx 75034 Tel: 972-464-4800 ● www.browngay.com TBPE Registration No. F-1046

- 2. CONTRACTOR IS RESPONSIBLE FOR, AND MUST OBTAIN PRIOR TO CONSTRUCTION, ALL NECESSARY CONSTRUCTION PERMITS REQUIRED BY THE LOCAL MUNICIPALITY. CONTRACTOR MUST HAVE A COPY OF THE LOCAL MUNICIPALITY'S STANDARD CONSTRUCTION DETAILS ON SITE.
- 3. EXISTING UTILITY LOCATIONS SHOWN ARE TAKEN FROM AVAILABLE RECORDS PROVIDED BY THE UTILITY OWNER AND FIELD LOCATIONS OF SURFACE APPURTENANCES. LOCATIONS SHOWN ARE GENERALLY SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT THE SIZE AND LOCATION OF EACH PARTICULAR UTILITY. SOME UTILITY LINES MAY NOT BE SHOWN. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING FACILITIES WHETHER SHOWN OR NOT. CONTRACTOR SHALL ALSO ASSUME RESPONSIBILITY FOR REPAIRS TO EXISTING FACILITIES, WHETHER SHOWN OR NOT, DAMAGED BY CONTRACTOR'S ACTIVITIES. DIFFERENCES IN HORIZONTAL OR VERTICAL LOCATION OF EXISTING UTILITIES SHALL NOT BE A BASIS FOR ADDITIONAL EXPENSE.
- 4. ANY CONTRACTOR / SUBCONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS. SAID EXISTING IMPROVEMENTS SHALL INCLUDE BUT NOT BE LIMITED TO BERMS, DITCHES, FENCES, AND PLANTS. ANY REMOVAL OR DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE AND SHALL BE APPROVED BY THE CITY OF ROCKWALL.
- 5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE SILT FENCES (OR OTHER METHODS APPROVED BY THE ENGINEER AND CITY) AS REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL EROSION CONSERVATION, AND SILTATION ORDINANCES. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS OR OTHER GROWTH TO PREVENT EROSION. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS AND APPROVALS BEFORE CONSTRUCTION BEGINS.
- 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT AND ACCURATE CONSTRUCTION RECORD PLANS. A COPY OF THESE RECORD PLANS ARE TO BE SUBMITTED TO THE ENGINEER UPON COMPLETION OF CONSTRUCTION.
- 7. CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS SHOWN ON THE PLANS AND ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION.
- 8. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH THE CONSTRUCTION.
- 9. CONTRACTOR TO DISPOSE OF ALL EXCESS EXCAVATION MATERIALS AS DIRECTED BY THE OWNER AND NOT WITHIN CITY LIMITS.
- 10. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER, OR BY OTHER MEANS APPROVED BY THE CITY AND ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.
- 11. ALL EXCAVATING IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR AT HIS EXPENSE.
- 12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
- 13. THE CONTRACTOR SHALL SALVAGE AND PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. DURING ALL CONSTRUCTION PHASES.
- 14. BACKFILL SHALL BE FREE FLOWING, FREE OF ROCKS AND LARGE CLODS. BACKFILL SHALL BE PLACED IN 6 TO 9 INCH LIFTS AT OR ABOVE OPTIMUM MOISTURE AND MECHANICALLY COMPACTED TO 95 PERCENT STANDARD PROCTOR FOR ALL UTILITIES.
- 15. ALL PROPOSED GRADING WHERE ANY BUILDINGS MAY POTENTIALLY BE CONSTRUCTED SHALL BE AT OR ABOVE OPTIMUM MOISTURE AND MECHANICALLY COMPACTED TO 95 PERCENT STANDARD PROCTOR. ALL OTHER GRADING SHALL BE AT OR ABOVE OPTIMUM MOISTURE AND MECHANICALLY COMPACTED TO 95 PERCENT STANDARD PROCTOR. CONTRACTOR WILL HAVE TO COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND / OR RELOCATIONS. ALL FILL TO BE COMPACTED USING A SHEEPSFOOT ROLLER.
- 16. EROSION CONTROL DEVICES AS SHOWN ON THE GRADING AND EROSION CONTROL PLANS FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBING ACTIVITIES ON THE PROJECT.
- 17. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY OF ROCKWALL.
- 18. IF THE EROSION CONTROL PLAN AS APPROVED CANNOT CONTROL EROSION AND OFF-SITE SEDIMENTATION FROM THE PROJECT, THE EROSION CONTROL PLAN WILL BE REQUIRED TO BE REVISED AND / OR ADDITIONAL EROSION CONTROL DEVICES WILL BE REQUIRED ON-SITE.
- 19. IF OFF-SITE BORROW OR SPOILS SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THIS INFORMATION SHALL BE DISCLOSED AND SHOWN ON THE EROSION CONTROL PLAN. OFFSITE BORROW AND SPOILS AREAS ARE CONSIDERED PART OF THE PROJECT SITE AND THEREFORE SHALL COMPLY WITH THE CITY OF ROCKWALL EROSION CONTROL REQUIREMENTS. THESE AREAS SHALL BE STABILIZED WITH PERMANENT GROUND COVER PRIOR TO FINAL APPROVAL OF THE PROJECT.
- 20. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS GOVERNING EXCAVATION. THE CONTRACTOR SHALL PROVIDE DETAILED PLANS AND SPECIFICATIONS FOR TRENCH SAFETY SYSTEMS THAT COMPLY WITH APPLICABLE LAWS GOVERNING EXCAVATION. THESE PLANS SHALL BE SEALED BY AN ENGINEER EXPERIENCED IN THE DESIGN OF TRENCH SAFETY SYSTEMS AND LICENSED BY THE STATE OF TEXAS. SUBMIT PLAN TO THE OWNER PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL ASPECTS OF WORK RELATED TO EXCAVATION.
- 21. THE CONTRACTOR SHALL COORDINATE OPERATION OF ALL EXISTING VALVES WITH THE CITY OF ROCKWALL. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION.
- 22. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.
- 23. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER. THE CITY OF ROCKWALL SHALL INSPECT ALL PUBLIC IMPROVEMENTS.
- 24. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES. AS AN ALTERNATE, THE OWNER RESERVES THE RIGHT TO PAY THE INSPECTION FEES DIRECTLY TO THE CITY. CONSTRUCTION STAKING TO BE PROVIDED BY THE CONTRACTOR. UNLESS OTHERWISE AGREED TO BY THE OWNER.
- 25. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGN OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR IS ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEM THAT MAY NOW OR HEREAFTER BE INCORPORATED IN THESE PLANS.
- 26. SEEDING SHALL BE BROADCAST SEEDING IN ACCORDANCE WITH NCTCOG SPECIFICATIONS ITEM 3.10 "SEEDING".
- 27. FERTILIZER SHALL BE IN ACCORDANCE WITH NCTCOG SPECIFICATIONS ITEM 3.11 "FERTILIZER".
- 28. WATER, SEWER, & DUCT BANK WILL HAVE DETECTOR TAPE INSTALLED BETWEEN EMBEDMENT AND NATIVE BACKFILL.
- 29. THE CONTRACTOR SHALL VERIFY THE LOCATION, SIZE, AND MATERIAL OF ALL UTILITIES AFFECTED BY CONSTRUCTION PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL AFFECTED UTILITIES 48 HOURS PRIOR TO CONSTRUCTION. DIG TESS 1-800-344-8377. FOR WATER AND SANITARY SEWER CALL CITY OF ROCKWALL SERVICE CENTER 972-771-7730.
- 30. CONTRACTOR SHALL LOCATE AND ADJUST EXISTING UTILITY MANHOLE LIDS, CLEANOUTS, WATER VALVES AND OTHER SURFACE APPURTENANCES AS REQUIRED FOR NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE UTILITY ADJUSTMENTS WITH OTHER DISCIPLINES AND THE APPROPRIATE UTILITY AGENCIES AND PROVIDE FOR ALL FEES FOR PERMITS, CONNECTIONS, INSPECTIONS, ETC. THESE ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION CONTRACT.
- 31. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY MONUMENTATION AND PRIMARY CONTROL. ANY SUCH POINTS WHICH THE CONTRACTOR BELIEVES WILL BE DESTROYED SHALL HAVE OFFSET POINTS ESTABLISHED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MONUMENTATION DESTROYED BY THE CONTRACTOR SHALL BE REESTABLISHED AT HIS EXPENSE.
- 32. BARRICADING AND TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO THE LATEST EDITION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", PART VI IN PARTICULAR. TRAFFIC FLOW AND ACCESS SHALL BE MAINTAINED DURING ALL PHASES OF THE CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC SAFETY MEASURES FOR WORK ON PROJECT.
- 33. ONSITE PLANAMETRIC AND TOPOGRAPHIC MAPPING TAKEN FROM DATA PROVIDED BY GIA CONSULTANTS CONFIRMED BY BROWN AND GAY ENGINEERS IN JULY 2014..
- 34. ANY DAMAGES THAT MAY OCCUR TO REAL PROPERTY OR EXISTING IMPROVEMENTS SHALL BE RESTORED BY THE CONTRACTOR TO AT LEAST THE SAME CONDITION THAT THE REAL PROPERTY OR EXISTING IMPROVEMENTS WERE IN PRIOR TO THE DAMAGES. THIS RESTORATION SHALL BE SUBJECT TO THE OWNER'S APPROVAL; MOREOVER, THIS RESTORATION SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION TO THE CONTRACTOR. RESTORATION SHALL INCLUDE, BUT NOT BE LIMITED TO, REGRASSING, REVEGETATION, REPLACING FENCES, REPLACING TREES, ETC.
- 35. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO:
- . PREVENT ANY DAMAGE TO PRIVATE PROPERTY AND PROPERTY OWNER'S POLES, FENCES, SHRUBS, ETC.
- B. PROVIDE ACCESS TO ALL DRIVES DURING CONSTRUCTION.C. PROTECT ALL UNDERGROUND UTILITIES TO REMAIN IN SERVICE.
- D. NOTIFY ALL UTILITY COMPANIES AND VERIFY LOCATION OF ALL UTILITIES PRIOR TO START OF CONSTRUCTION.
- 36. CONTRACTOR SHALL MAINTAIN UTILITY SERVICES AT ALL TIMES DURING CONSTRUCTION.
- 37. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM THE CONSTRUCTION.
- 38. THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL FROM THE PROJECT AREA UNLESS INSTRUCTED DIFFERENTLY BY OWNER OR ENGINEER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND IS NOT A SEPARATE PAY ITEM.
- 39. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, INSPECTION, AND TESTING AS REQUIRED BY THE OWNER AND/OR THE LOCAL MUNICIPALITY.
- 40. ALL WORK IN THE CITY RIGHT-OF-WAY, PROPERTY AND EASEMENTS SHALL BE CONSIDERED PUBLIC. ALL OTHER WORK SHALL BE CONSIDERED PRIVATE.
- 41. ALL EXISTING UTILITIES SHALL BE ADJUSTED TO APPROVED GRADE.

#### **WATER NOTES:**

- 1. CONTRACTOR SHALL OBTAIN A COPIE(S) OF THE CITY OF ROCKWALL ENGINEERING STANDARDS OF DESIGN AND CONSTRUCTION PRIOR TO CONTRUCTION AND NCTCOG 3rd EDITION.
- 2. ALL WATER LINES, FITTINGS, AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL ENGINEERING STANDARDS OF DESIGN AND CONSTRUCTION. ALL WATER SERVICE CONNECTIONS TO BE FORD COMPRESSION FITTINGS. ALL BENDS TO HAVE RETAINER FITTINGS (MEGA-LUG). USE DOMESTIC DUCTILE IRON FITTINGS ONLY.
- 3. ALL FIRE HYDRANTS SHALL HAVE ONE (1) HYDRA-STORZ CONNECTION AND TWO (2) 2.5" HOSE NOZZLES, SHALL HAVE A MINIMUM MAIN BARREL VALVE OPENING OF 5.25", AND SHALL BE PLACED ON MAINS OF NOT LESS THAN 6" IN DIAMETER. ALL FIRE HYDRANTS ARE TO BE PAINTED PER ARTICLE IV, SECTION 2.H.5 OF THE CITY OF ROCKWALL ENGINEERING STANDARDS AND AGREED TO BY THE CITY.
- 4. UTILITY CONTRACTOR SHALL PLACE APPROPRIATE LOCATION MARKS ON THE CURBS PER THE CITY OF ROCKWALL ENGINEERING STANDARDS.
- 5. ALL WATER MAINS SHALL BE PVC AWWA-C900, DR14, CLASS 200 UNLESS NOTED OTHERWISE.
- 6. TOP OF WATER MAIN SHALL BE A MINIMUM OF 48" BELOW THE TOP OF CURB OR 48" BELOW FINISHED GRADE. METALLIC DETECTOR TAPE WILL BE USED. VALVES TO BE EXTENDED TO WITHIN 1' OF GROUND IF MORE THAN 48".
- 7. FIRE HYDRANTS SHALL BE LOCATED 3' BEHIND THE BACK OF CURB (MIN).
- 8. CONTRACTOR SHALL CLEAN THE WATER MAIN BY INSERTION OF "POLY PIGS" AT DESIGNATED LOCATIONS. COST FOR "POLY PIG" CLEANING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 9. ALL DOMESTIC WATER SERVICES SHALL BE 2" CLASS 200 POLYETHYLENE.
- 10. CORPORATION STOPS SHALL BE FULL OPEN PRIOR TO BACKFILL.
- 11. CURB STOPS SHALL BE TESTED FOR FULL FLOW WHEN THE SYSTEM IS PRESSURE TESTED.
- 12. METER BOXES SHALL BE FURNISHED BY THE CONTRACTOR AND LOCATED 3' BEHIND THE CURB OR AT RIGHT-OF-WAY.
- 13. WATER MAINS TO BE LOCATED PER THE PLANS.
- 14. METER BOXES SHALL BE ADJUSTED TO FINISH GRADE AFTER PAVING CONTRACTOR COMPLETES THE BACKFILL OF CURB.
- 15. EXTEND SAMPLING POINT 2' ABOVE EXISTING GRADE AND END WITH A 1" CURB STOP. SAMPLING POINTS WILL BE DETERMINED BY THE CONSTRUCTION INSPECTOR.
- 16. PIPE SHALL BE TESTED AT 180 PSI FOR FOUR (4) HOURS.
- 17. CHLORINATE WATER LINES AT 500 PPM FOR FORTY-EIGHT (MIN. 24) HOURS. CHLORINATION IS ACCEPTABLE DURING THE PRESSURE TEST.
- 18. FLUSHING AND CHLORINATION SHALL BE COORDINATED WITH THE CONSTRUCTION INSPECTOR.
- 19. ALL TAPS ON EXISTING MAINS SHALL BE WET TAPS. NO SIZE-ON-SIZE TAPS ALLOWED.
- 20. EXISTING VALVES SHALL BE OPERATED BY CITY PERSONNEL ONLY. ONCE THE NEW WATER LINE IS ACTIVATED AND PASSES BACTERIOLOGICAL TESTING, THE VALVES MAY BE OPERATED BY CITY PERSONNEL ONLY.
- 21. INSTALL BLUE EMS DISK ON THE WATER LINE EVERY 250', CHANGE IN DIRECTION, VALVE, AND SERVICE.

### **SANITARY SEWER NOTES:**

- 1. CONTRACTOR SHALL PURCHASE A COPY OF THE CITY OF ROCKWALL ENGINEERING STANDARDS OF DESIGN AND CONSTRUCTION.
- 2. ALL SANITARY SEWER LINES, FITTINGS, AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL ENGINEERING STANDARDS, LATEST EDITION AND NCTCOG 3rd EDITION.
- 3. THE SANITARY SEWER SERVICE LINE SHALL BE EXTENDED A MINIMUM OF 2 FEET PAST THE PROPERTY LINE.
- 4. SERVICE LINES SHALL BE 4" PVC AND SHALL BE PLUGGED AND PRESSURE TESTED WITH THE MAIN LINE.
- 5. SERVICE LINES ARE TO BE LOCATED AT THE DOWNHILL SIDE OF THE LOT.
- 6. THE TOP OF SEWER PIPE SHALL BE A MINIMUM OF 48" BELOW FINISHED GRADE.
- 7. THE CONTRACTOR IS REQUIRED TO PULL A MANDREL THROUGH SEWER PIPE.
- 8. A TV INSPECTION OF THE SANITARY SEWER LINES IS REQUIRED.
- 9. THE SEWER PIPE WILL BE PRESSURE TESTED IN ACCORDANCE WITH TNRCC LOW PRESSURE AIR TEST (SECTION 317.2 (a)(4)(B)). REFER TO MANHOLE DETAIL FOR ADDITIONAL TESTING REQUIREMENTS.
- 10. ENGINEERED CASING IS REQUIRED WHEN CROSSING STREETS LARGER THAN COLLECTORS.
- 11. NO SERVICES ALLOWED ON CLEANOUT STACK.
- 12. ELIMINATE DISCHARGE INTO THE EXISTING SEWER SYSTEM BY PLUGGING LINE AT CONNECTION. THE CONTRACTOR WILL BE BILLED FOR THE DISCHARGE DURING CONSTRUCTION.
- 13. UTILITY CONTRACTOR SHALL PLACE APPROPRIATE LOCATION MARKS ON THE CURBS PER THE CITY OF ROCKWALL ENGINEERING STANDARDS OF DESIGN AND CONSTRUCTION.
- 14. PIPE MATERIAL FOR WASTE WATER LINES SHALL CONFORM TO THE NOTES SHOWN ON THIS DRAWING AND TO THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS. SANITARY SEWER LINE SHALL BE SDR-35 PVC IF DEPTH OF LINE IS 10' OR LESS AND SDR-26 IF DEPTH OF LINE IS GREATER THAN 10'. EMBED SEWER PIPE IN ACCORDANCE WITH LOCAL MUNICIPALITY DESIGN STANDARDS.
- 15. WATER AND WASTEWATER LINES SHALL BE LOCATED A MINIMUM OF 9'APART (CLEAR DISTANCE). WHEN SEPARATION CANNOT BE MAINTAINED, SANITARY SEWER SHALL EITHER BE ENCASED IN CONCRETE OR UPGRADED TO PRESSURE PIPE (MIN. SDR 26).
- 16. INSTALL GREEN EMS DISK ON THE SEWER LINE EVERY 250', MANHOLE, CLEANOUT, AND SERVICE.

### STORM DRAIN NOTES:

- 1. ALL CULVERT HEADWALLS AND INLETS TO HAVE STONE CLADDING.
- 2. NO PRECAST CURB INLETS.
- 3. ALL MATERIALS AND WORKMANSHIP FOR STORM DRAIN CONSTRUCTION SHALL CONFORM TO THE NCTCOG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 3rd EDITION, AND THE LOCAL MUNICIPALITY REQUIREMENTS.
- 4. CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES DURING CONSTRUCTION. PONDING OF WATER WILL NOT BE ALLOWED.
- 5. STORM PIPE SHALL BE CLASS III REINFORCED CONCRETE PIPE (RCP) 18" AND ABOVE IN DIAMETER AND SDR-35 POLYVINYL CHLORIDE (PVC)(PRIVATE ONLY) PIPE OR HIGH DENSITY POLYETHYLENE (HDPE)(PRIVATE ONLY) BELOW 18" IN DIAMETER.

### **GRADING NOTES:**

- 1. THE CONTRACTOR SHALL ADMINISTER SPRINKLERS FOR DUST CONTROL, EARTHWORK OR BASE CONSTRUCTION AS REQUIRED OR AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE LOCAL MUNICIPALITY STANDARDS.
- 2. FILL MATERIAL SHALL BE COMPACTED BETWEEN 95 AND 98 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D 698. IN CONJUNCTION WITH THE COMPACTING OPERATION, FILL MATERIAL SHALL BE BROUGHT TO A MOISTURE CONTENT RANGING FROM +2 PERCENT POINTS ABOVE OPTIMUM TO +6 PERCENTAGE POINTS ABOVE OPTIMUM +2 TO +6. COMPACTED USING A SHEEPSFOOT ROLLER.
- 3. ALL DETENTION SYSTEMS TO BE INSTALLED AND FULLY FUNCTIONING PRIOR TO ANY PAVING/CONCRETE BEING INSTALLED. SIDES AND BOTTOM OF THE DETENTION TO HAVE ANCHORED SEEDED CURLEX OR SOD INSTALLED PRIOR TO ANY PAVING/CONCRETE BEING INSTALLED. SILT FENCE TO BE INSTALLED AT THE TOP OF THE BANK AFTER POND INSTALLATION.
- 4. 75% 80% OF ALL DISTURBED AREAS TO HAVE 1" MINIMUM STAND OF GRASS PRIOR TO CITY ACCEPTANCE AND/OR CO.

### PAVING NOTES:

- 1. CONTRACTOR'S WORK SHALL INCLUDE PAVEMENT REMOVAL AND DISPOSAL REQUIRED FOR NEW WALK, DRIVE, CURB, GUTTER AND OTHER PAVING FEATURES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, INSPECTION AND TESTING REQUIRED BY THE OWNER AND/OR THE LOCAL MUNICIPALITY.
- 2. PAVING SECTIONS SHALL BE SAWCUT IN 15' X 15' SQUARES.
- 3. PAVEMENT REMOVAL AND REPAIR SHALL CONFORM TO THE LOCAL MUNICIPALITY REQUIREMENTS. CONTRACTOR SHALL MAKE AN EFFORT TO PROJECT CONCRETE AND/OR ASPHALT EDGES.
- 4. CONCRETE PAVING JOINTS SHALL BE CONSTRUCTED AS RECOMMENDED IN THE GEOTECHNICAL REPORT NOTED BELOW.
- 5. SITE PAVING AND PAVEMENT SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT NO. W141078 PREPARED BY ALPHA TESTING AND DATED JULY 18, 2014.

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.

# REVISIONS REV NO. DATE DESCRIPTION BY

BENCHMARKS & CONTROL POINTS

BM # 1: City of Rockwall Benchmark No. "Reset #1". An aluminum disc set at the Southwest corner of Summer Lee and FM 740, 1.5" west of the first driveway curb line.

Elevation: 567.704

BM # 2: City of Rockwall Benchmark No. R014. An aluminum disc set at the Northeast corner of Henry M. Chandler Dr. and Commodore Plaza about 1.5' from back of curb and 3' South East of a light pole.

Elevation: 561.017

RECORD DRAWING

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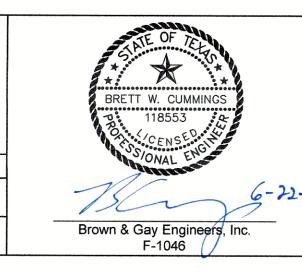
CONSTRUCTION CONTRACTOR AND/OR OWNER

ACCURACY OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES

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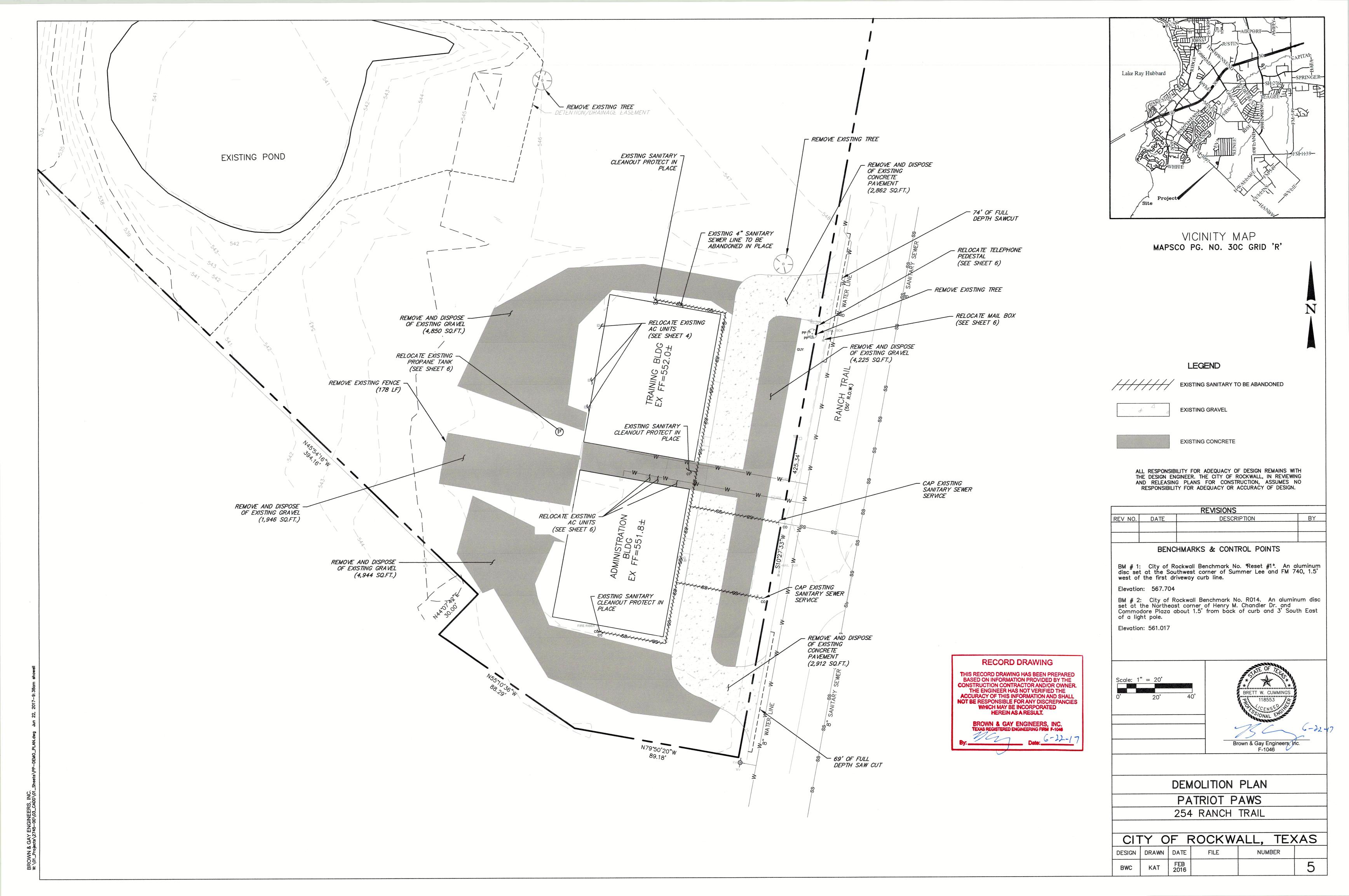
GENERAL NOTES

PATRIOT PAWS
254 RANCH TRAIL

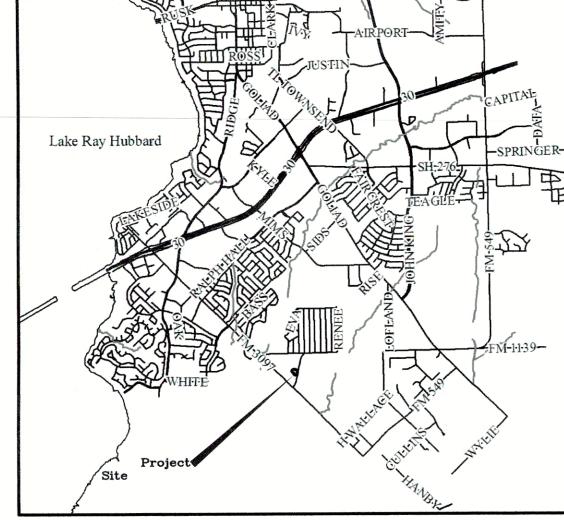
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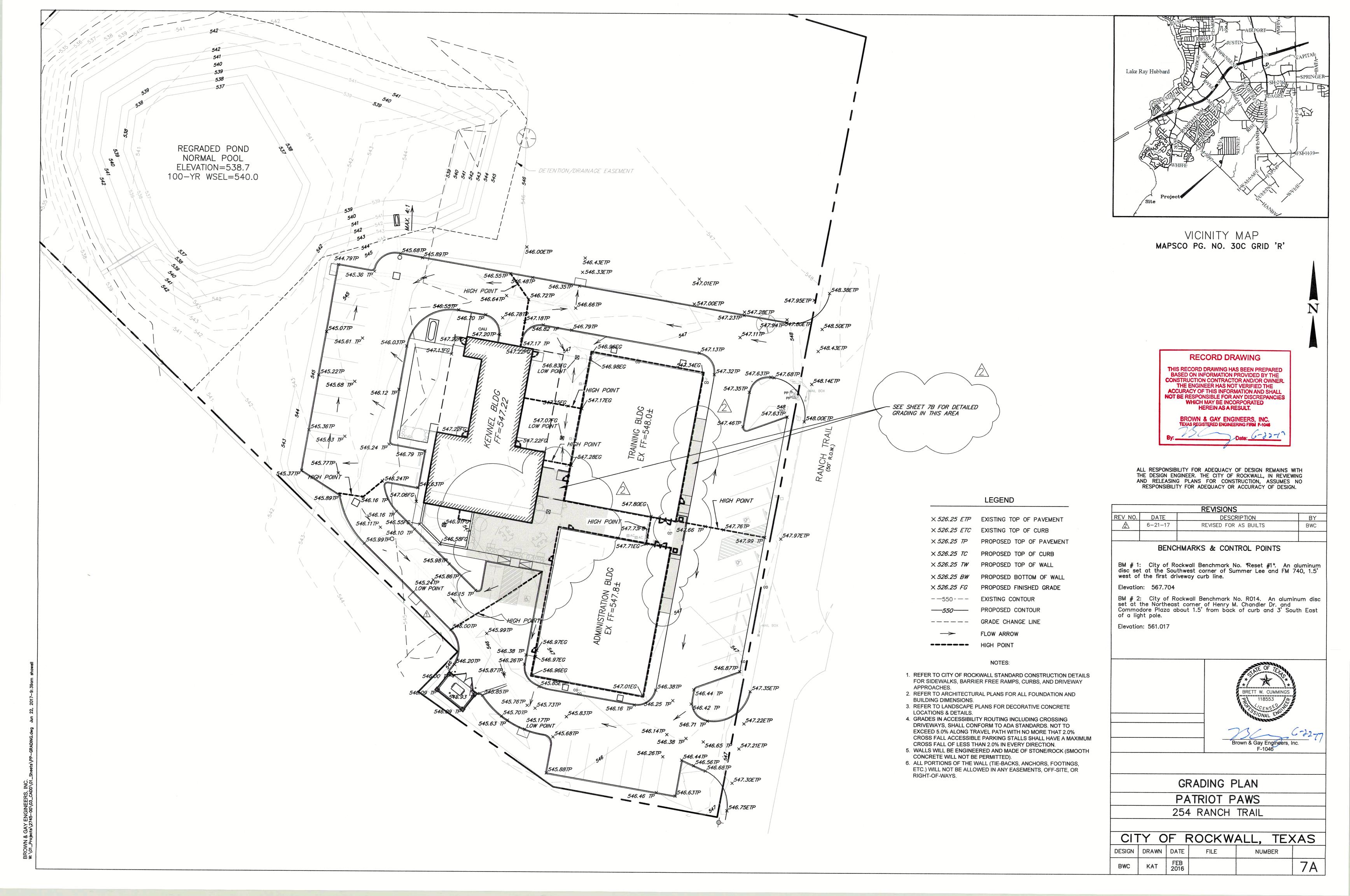
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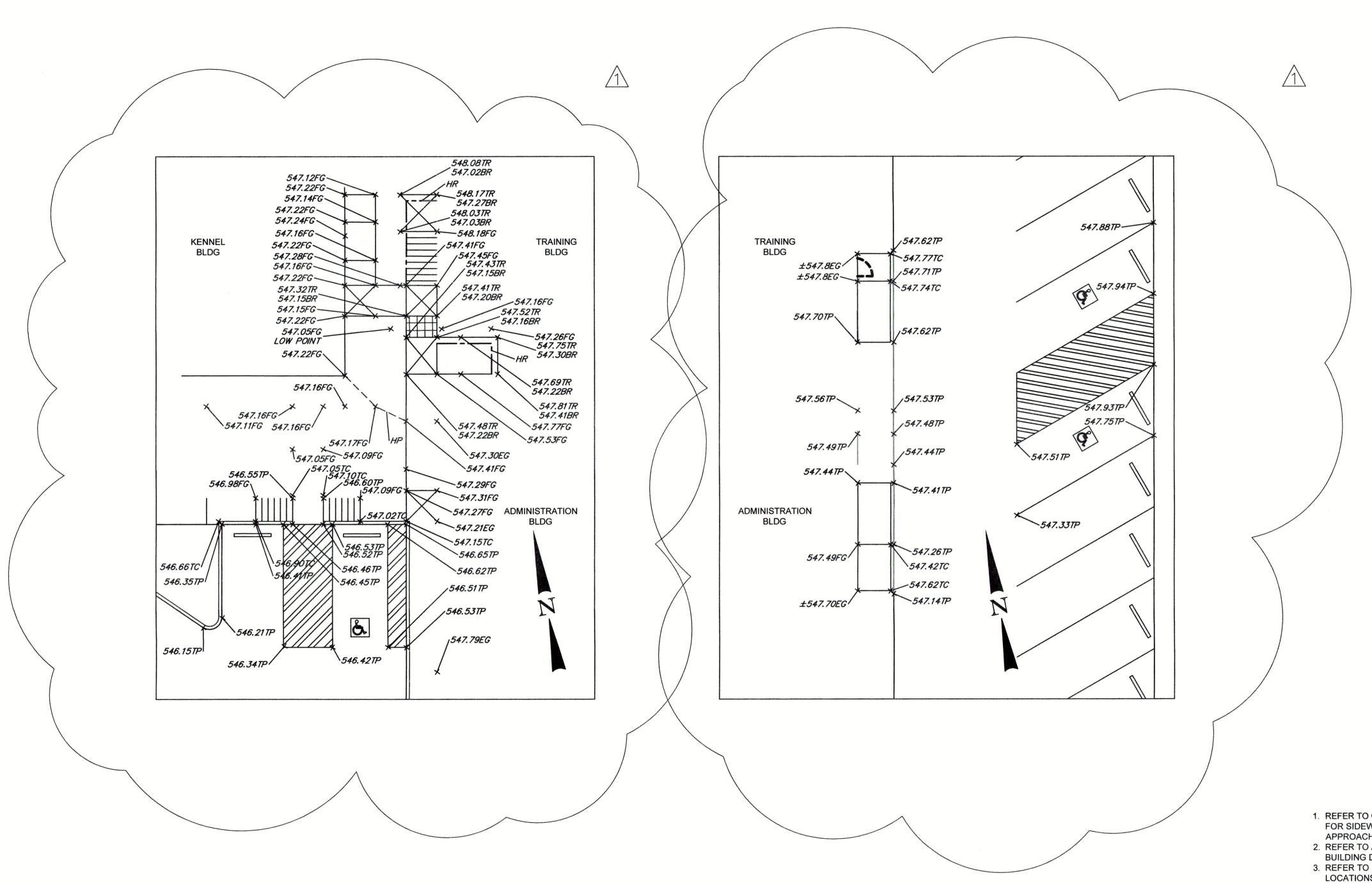
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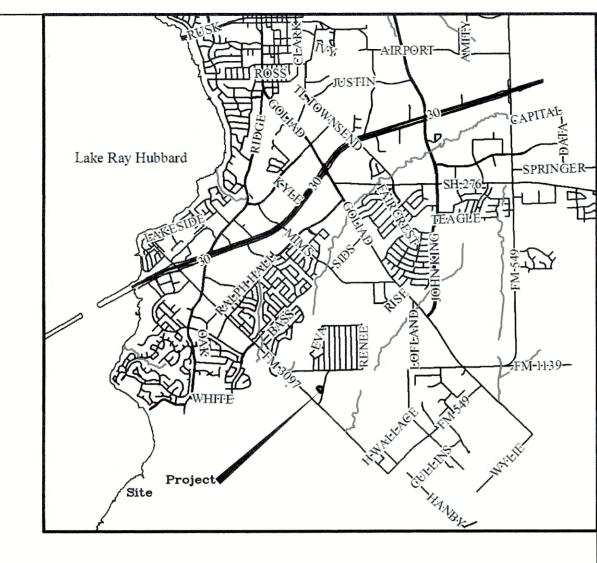












VICINITY MAP MAPSCO PG. NO. 30C GRID 'R'

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		REVISIONS	
REV NO.	DATE	DESCRIPTION	BY
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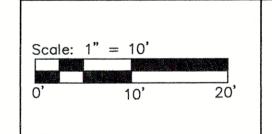
### BENCHMARKS & CONTROL POINTS

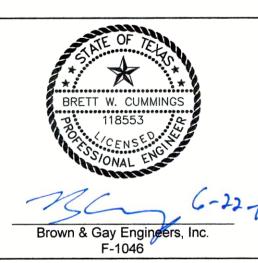
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Elevation: 561.017





GRADING DETAILS PATRIOT PAWS

254 RANCH TRAIL

CITY OF ROCKWALL, TEXAS DESIGN | DRAWN | DATE | FILE NUMBER 7B KAT

NOTES:

SLIP RESISTANT WALKWAY STEEL PLATE

HP ----

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BROWN & GAY ENGINEERS, INC. TEXAS REGISTERED ENGINEERING FIRM F-1048

1. REFER TO CITY OF ROCKWALL STANDARD CONSTRUCTION DETAILS FOR SIDEWALKS, BARRIER FREE RAMPS, CURBS, AND DRIVEWAY APPROACHES.

2. REFER TO ARCHITECTURAL PLANS FOR ALL FOUNDATION AND BUILDING DIMENSIONS.

3. REFER TO LANDSCAPE PLANS FOR DECORATIVE CONCRETE

LEGEND

HANDRAIL HIGH POINT

ADA ROUTE

TOP OF PAVEMENT TP

TOP OF CURB TC EXISTING GRADE EG

FINISHED GRADE FG TOP OF RAMP TR

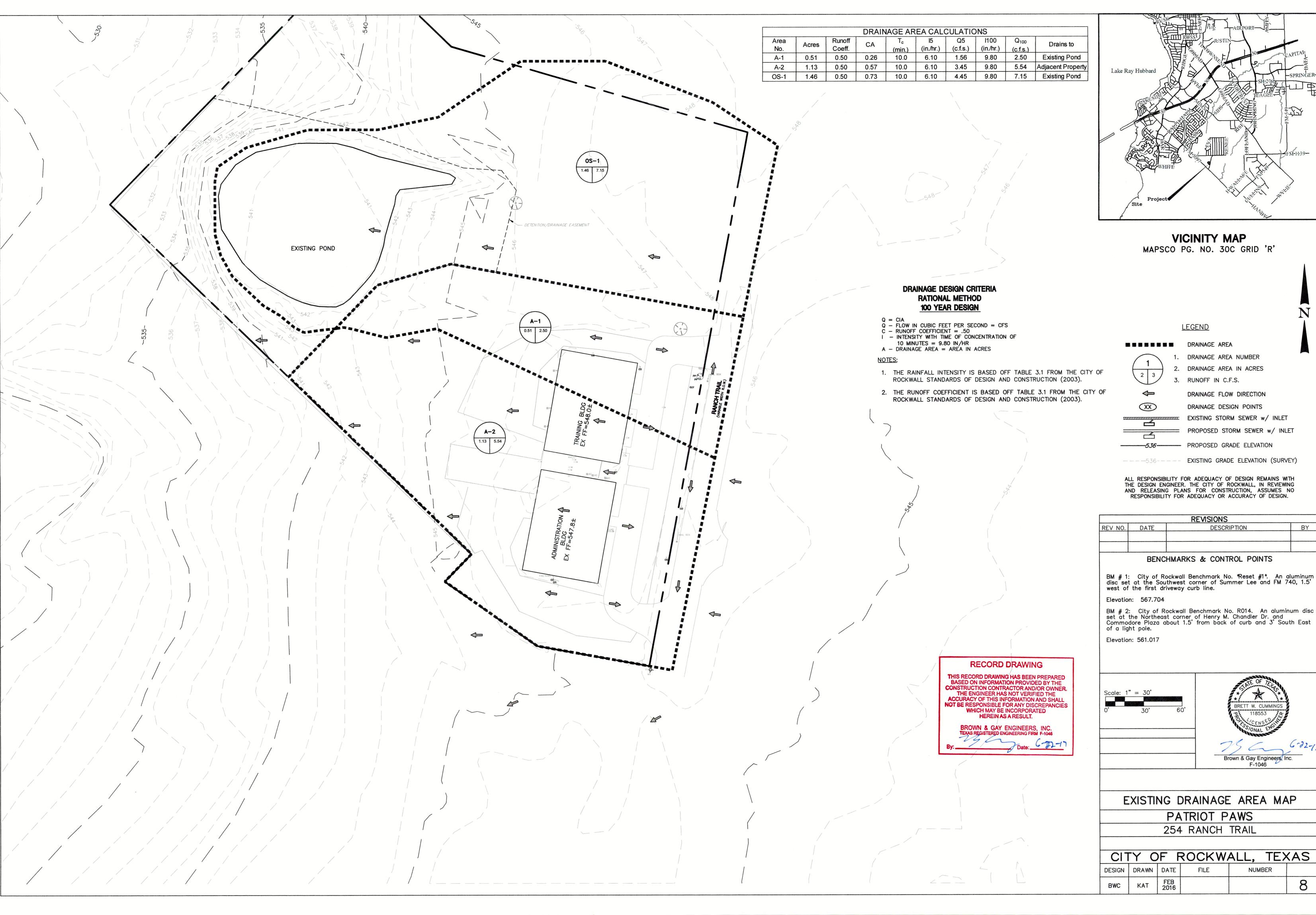
BOTTOM OF RAMP BR

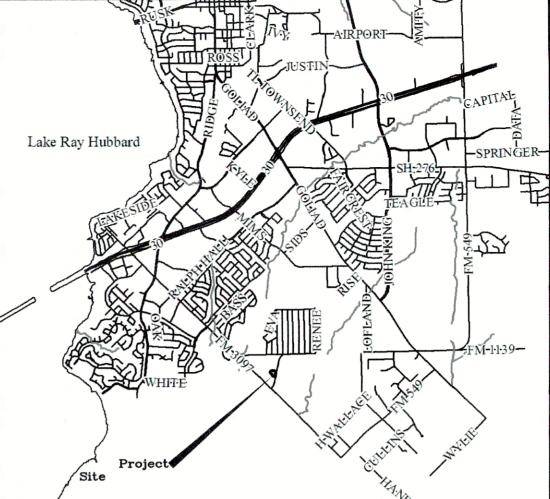
LOCATIONS & DETAILS. 4. GRADES IN ACCESSIBILITY ROUTING INCLUDING CROSSING

DRIVEWAYS, SHALL CONFORM TO ADA STANDARDS. NOT TO EXCEED 5.0% ALONG TRAVEL PATH WITH NO MORE THAT 2.0% CROSS FALL ACCESSIBLE PARKING STALLS SHALL HAVE A MAXIMUM CROSS FALL OF LESS THAN 2.0% IN EVERY DIRECTION.

5. WALLS WILL BE ENGINEERED AND MADE OF STONE/ROCK (SMOOTH CONCRETE WILL NOT BE PERMITTED).

6. ALL PORTIONS OF THE WALL (TIE-BACKS, ANCHORS, FOOTINGS, ETC.) WILL NOT BE ALLOWED IN ANY EASEMENTS, OFF-SITE, OR RIGHT-OF-WAYS.





### VICINITY MAP

		DRAINAGE AREA
	1.	DRAINAGE AREA NUMBER
$\left(\begin{array}{c} 1 \\ 2 \end{array}\right)$	2.	DRAINAGE AREA IN ACRES
$\begin{pmatrix} 2 & 3 \end{pmatrix}$	3.	RUNOFF IN C.F.S.
<b>4</b>		DRAINAGE FLOW DIRECTION
XX		DRAINAGE DESIGN POINTS
	ш	EXISTING STORM SEWER w/ INLET
		PROPOSED STORM SEWER W/ INLET
536	NAVARAGEMO	PROPOSED GRADE ELEVATION

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.

		REVISIONS	
REV NO.	DATE	DESCRIPTION	BY

### BENCHMARKS & CONTROL POINTS

BM # 1: City of Rockwall Benchmark No. "Reset #1". An aluminum disc set at the Southwest corner of Summer Lee and FM 740, 1.5" west of the first driveway curb line.

BM # 2: City of Rockwall Benchmark No. R014. An aluminum disc set at the Northeast corner of Henry M. Chandler Dr. and Commodore Plaza about 1.5' from back of curb and 3' South East of a light pole.

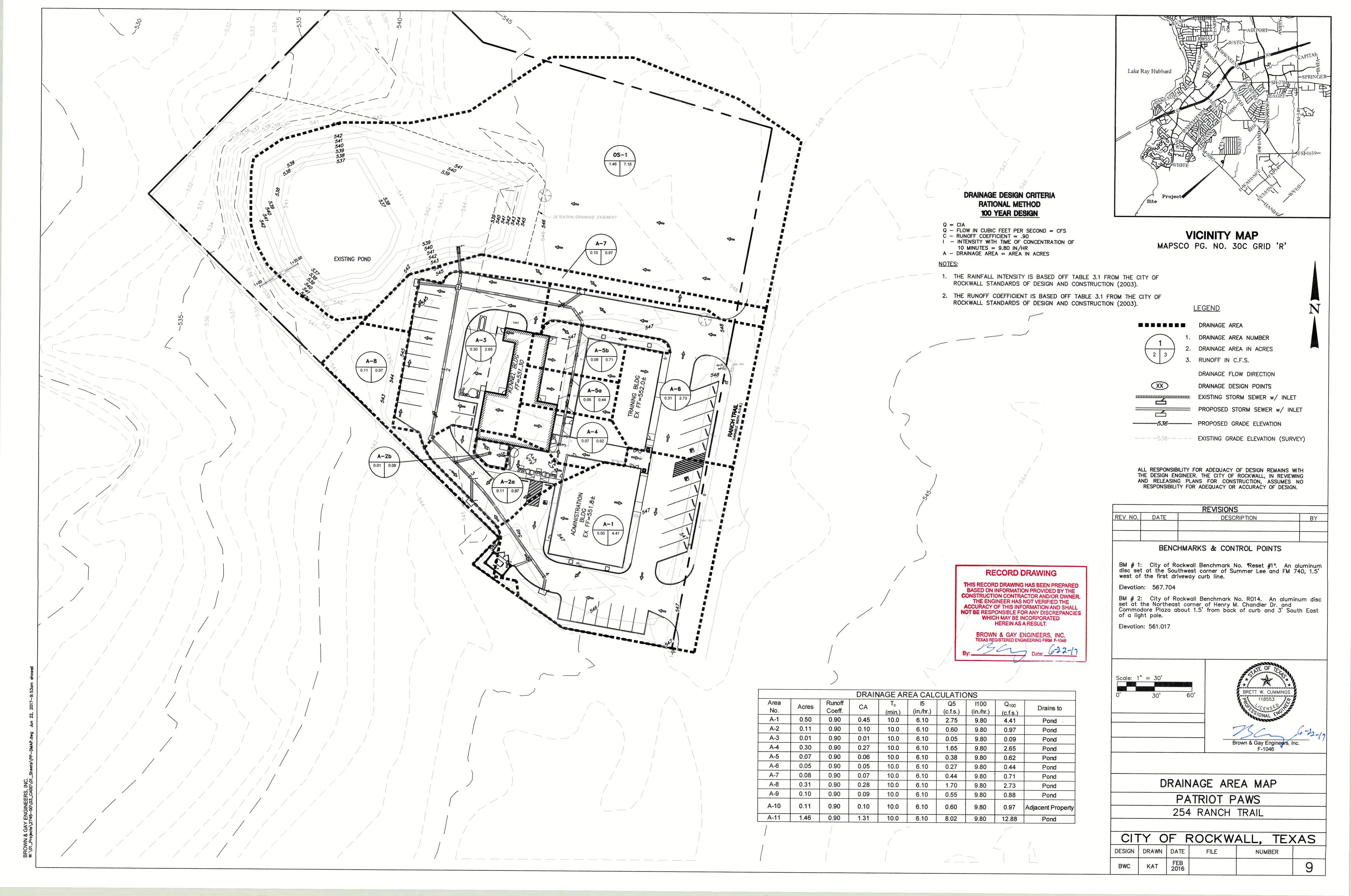


Brown & Gay Engineers, Inc. F-1046

EXISTING DRAINAGE AREA MAP

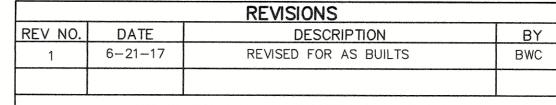
PATRIOT PAWS 254 RANCH TRAIL

DESIGN	DRAWN	DATE	FILE	NUMBER	
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j	01_Projects\2745-00\03_CADD\01_Sheets\PP-HYDRAULIC_CALCS.dwg	
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5	<u>5</u>	The Name of Street,
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		HYDRAULIC CALCULATIONS																																			
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FROM 1	го	Pipe		rainage Area						Time of Concen	tration								1	Box Culvert	1				-		1	l Head	Loss Calcu	lations	<u> </u>	<u></u>		Invert E	levation		Comments
		Length feet	Increm Area	ental Area	Total Area	Runoff	Incr.	Total	Inlet	Travel Time	Total Time	5-Year Intensity	100-Year Intensity	Q 5 Runoff	Q 100 Runoff	Inlet	Q in Pipe	Storm Pipe	No. of Storm Drain	Storm	Storm	Manning	Hydr	Hydrauli								Head Loss				TC	
			No.	(Acres)	(Acres)							"I"	"I"	"Q"	"Q"	Bypass "Q"	"Q"	Diameter	Spans	Drain Width	Drain Heigth	Value	Grade "Sf"	Line El Dwnstrm	Upstrm	V1 Flow (In)	V2 Flow (Out)	V1^2 / 2a	V2^2 / 2a	Loss	KjV1^2 / 2g	at Structure	HGL Elevation	FROM	то	Elev	
1	2	3	Λ	"A"	"A"	"C"	"CA"	"CA"	(min.)	(min.)	(min.)	(in./hr)	(in./hr)	(c.f.s.)	(c.f.s.)	(c.f.s.)	(c.f.s.)	(in.)		(ft)	(ft)		(ft./ft.)	Elev.	Elev.	(f.p.s.)	(f.p.s.)	(feet)	(feet)	(Kj)	(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	
STORM DRAIN L	INE A				-		0	9	10		12	13	14	15	16	17	18	19	19a	19b	19c	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
410.22 402	2.25	7.97	A-1	0.50	0.50	0.90	0.45	0.45	10.00	0.05	10.05	6.10	9.80	2.75	4.41	0.00	4.41	18				0.013	0.0018	543.99	543.97		2.50		0.10	1.25		0.12	544 11	541.93	5/1 01	546.10	
402.25 302	2.45	99.80			0.50		0.00	0.45	10.05	0.67	10.72	6.10	9.80	2.75	4.41	0.00	4.41	18				0.013		543.87	543.70	2.50	2.50	0.10			0.03	0.10		541.91	541.61	<u></u>	· ^
302.45 283	3.80	18.65	A-2a	0.11	0.61	0.90	0.10	0.55	10.72	0.11	10.83	5.71	9.01	3.13	4.95	0.00	4.95	18	<b> </b>			0.013				-									-	546.56	<u>/1\</u>
283.80 256	6.29	27.51	A-2b		0.62			0.56	10.83	0.16	10.99	5.68	8.98	3.17	5.01			10						543.60	543.55	2.50	2.80	0.10	0.12		0.07			541.61	541.55		
256.29 133		123.25			0.62		0.00	0.56	10.99	0.72						0.00	5.01	18				0.013		*	543.39		2.84		0.12		0.07			541.55			
133.04 123		10.00									11.72	5.68	8.98	3.17	5.01	0.00	5.01	18					0.0023		543.01	2.84	2.84				0.06	0.10	543.39	541.47	541.10	(545.91	
					0.62		0.00	0.56	11.72	0.06	11.78	5.68	8.98	3.17	5.01	0.00	5.01	18				0.013	0.0023	542.91	542.89	2.84	2.84	0.12	0.12	0.25	0.03	0.10	543.01	541.10	541.07	545.73	<u> </u>
123.04 100	0.00	23.04	A-3-A-6	0.81	1.43	0.90	0.73	1.29	11.78	0.06	11.84	5.50	8.72	7.08	11.22	0.00	11.22	18				0.013	0.0114	542.76	542.50	2.84	6.35	0.12	0.63	0.20	0.02	0.13	542.89	541.07	541.00	545.58	
STORM DRAIN L	INE A-1																																				
117.68 100	0.00	17.68	A-2a	0.11	0.11	0.90	0.10	0.10	10.00	0.54	10.54	6.10	9.80	0.60	0.97	0.00	0.97	18				0.013	0.0001	543.70	543.70		0.55		0.00	1.25		0.10	543 80	541 53	541 61	546.03	1
																																				10.00	<del>/                                     </del>
STORM DRAIN L	INE A-2																																				
132.10 100	0.00	32.10	A-3	0.30	0.30	0.90	0.27	0.27	10.00	0.36	10.36	6.10	9.80	1.65	2.65	0.00	2.65	18				0.013	0.0006	543.03	543.01		1.50		0.03	1.25		0.10	543.13	541.20	541.10	544.88	
TOPM PRAIN I	INF A C							The state of the s																													
STORM DRAIN L	T																																				
306.90 272		34.39	A-4	0.07		0.90	0.06	0.06	10.00	1.64	11.64	6.10	9.80	0.38	0.62	0.00	0.62	18				0.013	0.0000	543.63	543.63		0.35		0.00	1.25		0.10	543.73	544.34	543.91	547.05	1
266.77 222		43.92	A-5a	0.05	0.12	0.90	0.05	0.11	11.64	1.37	13.01	5.53	8.75	0.60	0.95	0.00	0.95	18				0.013	0.0001	543.53	543.53	0.35	0.54	0.00	0.00	0.50	0.00	0.10	543.63	543.91	543.37		
222.85 207	7.01	15.84	A-5b	0.08	0.20	0.90	0.07	0.18	13.01	0.31	13.32	5.28	8.40	0.95	1.51	0.00	1.51	18				0.013	0.0002	543.43	543.43	0.54	0.86	0.00	0.01	0.50	0.00	0.10	543.53	543.37	543.07	546.83	
207.01 192	2.86	14.15			0.20		0.00	0.18	13.32	0.28	13.59	5.28	8.40	0.95	1.51	0.00	1.51	18				0.013	0.0002	543.33	543.32	0.86	0.86	0.01	0.01	0.35	0.00	0.10	543.43	543.07	542.81	546.79	
192.86 184	1.96	7.90			0.20		0.00	0.18	13.59	0.15	13.75	5.28	8.40	0.95	1.51	0.00	1.51	18				0.013	0.0002	543.22	543.22	0.86	0.86	0.01	0.01	0.35	0.00	0.10	543.32	542.81	542.67	546.69	
184.96 100	0.00	84.96	A-6	0.31	0.51	0.90	0.28	0.46	13.75	0.66	14.41	5.16	8.23	2.37	3.78	0.00	3.78	18				0.013	0.0013	543.12	543.01	0.86	2.14	0.01	0.07	0.75	0.01	0.10	I	542.67			
STORM DRAIN L	 INE A-3-1																																				
117.68 100	0.00	17.68	A-6	0.31	0.31	0.90	0.28	0.28	10.00	0.19	10.19	6.10	9.80	1.70	2.73	0.00	2.73	18				0.013	0.0007	543.23	543.22		1.55		0.04	1.25		0.10	543.33	543.05	542.67	547.05	
STORM DRAIN L	INE A-4												-																								
128.78 100	0.00	28.78	A-2b	0.01			0.01	0.01	10.00	9.61	19.61	6.10	9.80	0.05	0.09	0.00	0.09	18				0.013	0.0000	543.55	543.55		0.05		0.00	1.25		0.10	543.65	543.43	541.55	546.93	
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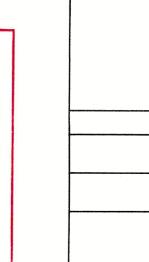
### BENCHMARKS & CONTROL POINTS

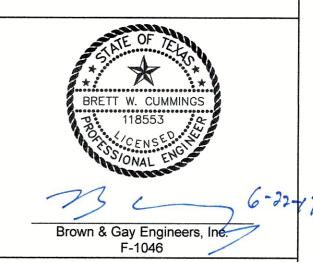
BM # 1: City of Rockwall Benchmark No. 'Reset #1'. An aluminum disc set at the Southwest corner of Summer Lee and FM 740, 1.5' west of the first driveway curb line.

Elevation: 567.704

BM # 2: City of Rockwall Benchmark No. R014. An aluminum disc set at the Northeast corner of Henry M. Chandler Dr. and Commodore Plaza about 1.5' from back of curb and 3' South East of a light pole.

Elevation: 561.017





THIS RECORD DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND/OR OWNER. THE ENGINEER HAS NOT VERIFIED THE ACCURACY OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

BROWN & GAY ENGINEERS, INC. TEXAS REGISTERED ENGINEERING FIRM F-1046

**RECORD DRAWING** 

## HYDRAULIC CALCULATIONS PATRIOT PAWS

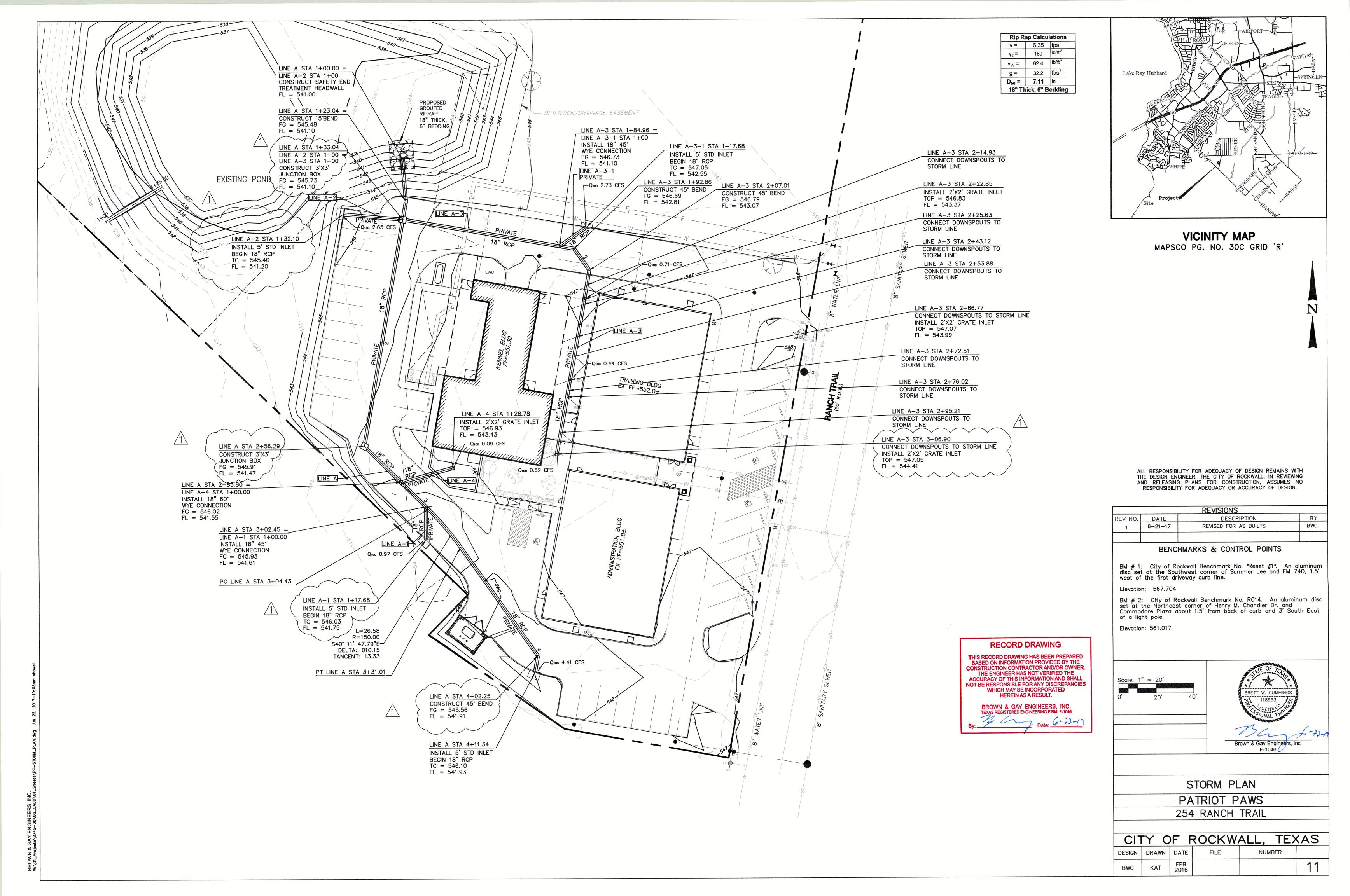
254 RANCH TRAIL

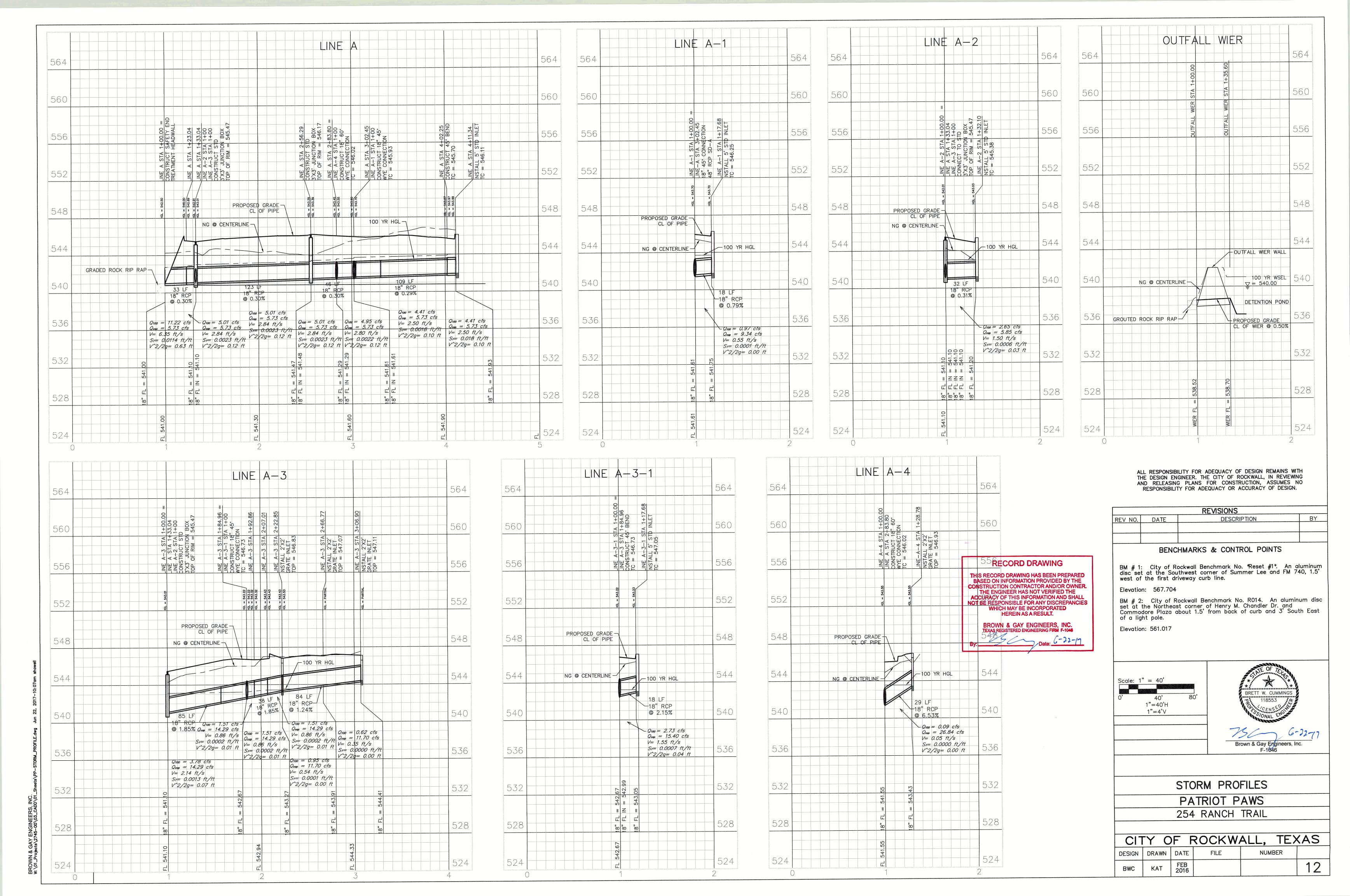
### CITY OF ROCKWALL, TEXAS

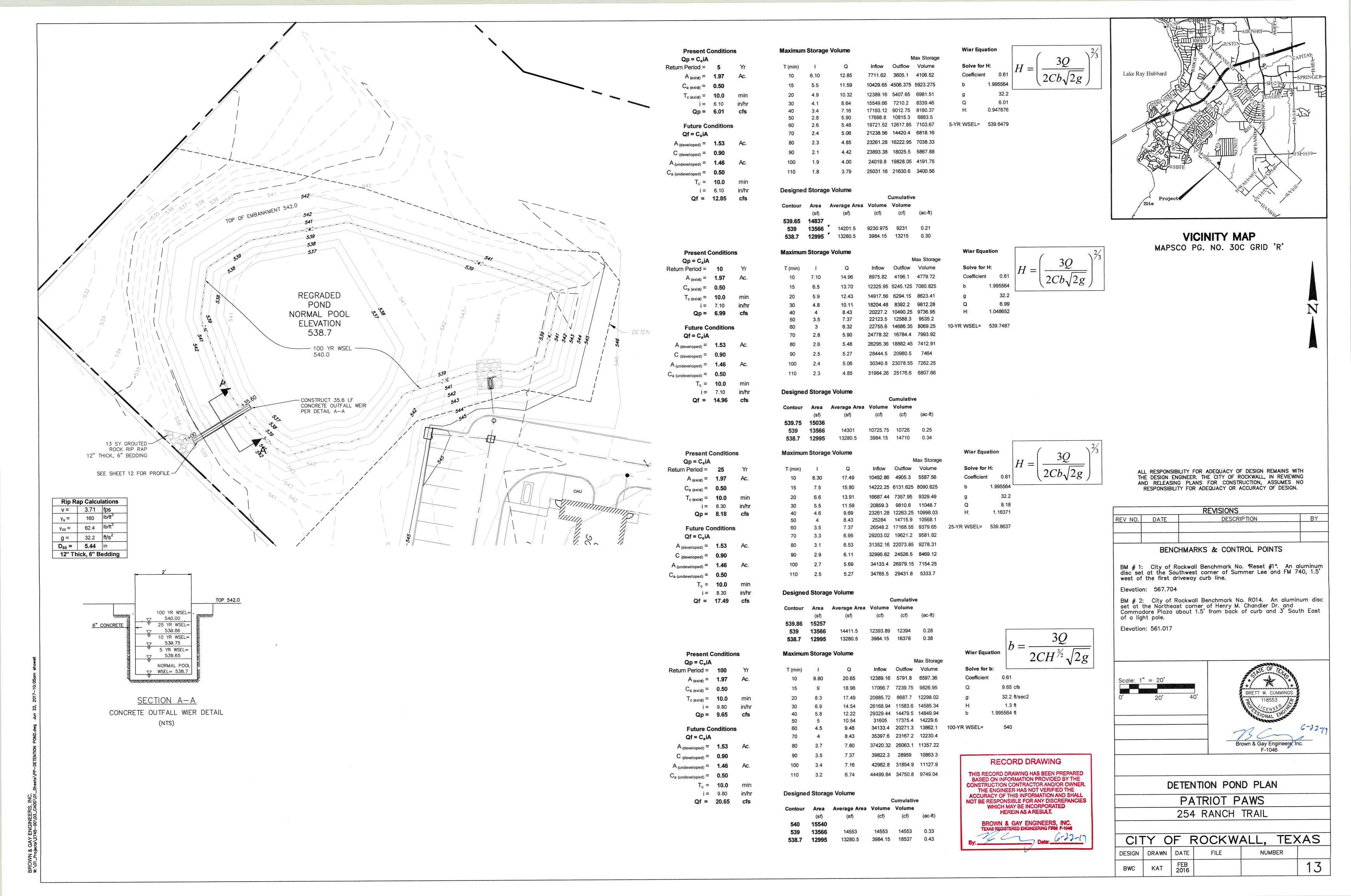
DESIGN	DRAWN	DATE	FILE	NUMBER		
BWC	KAT	FEB 2016			10	

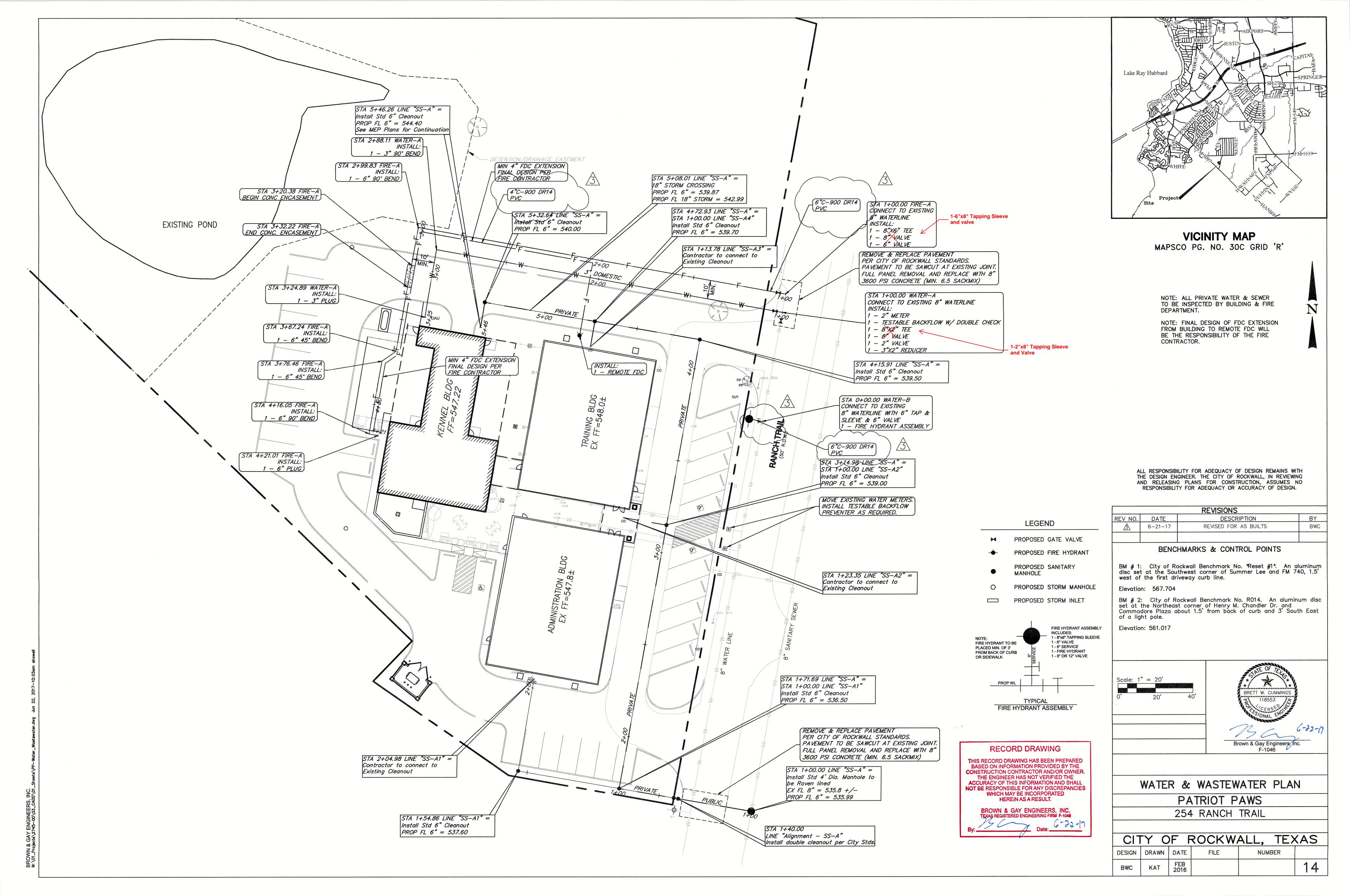
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

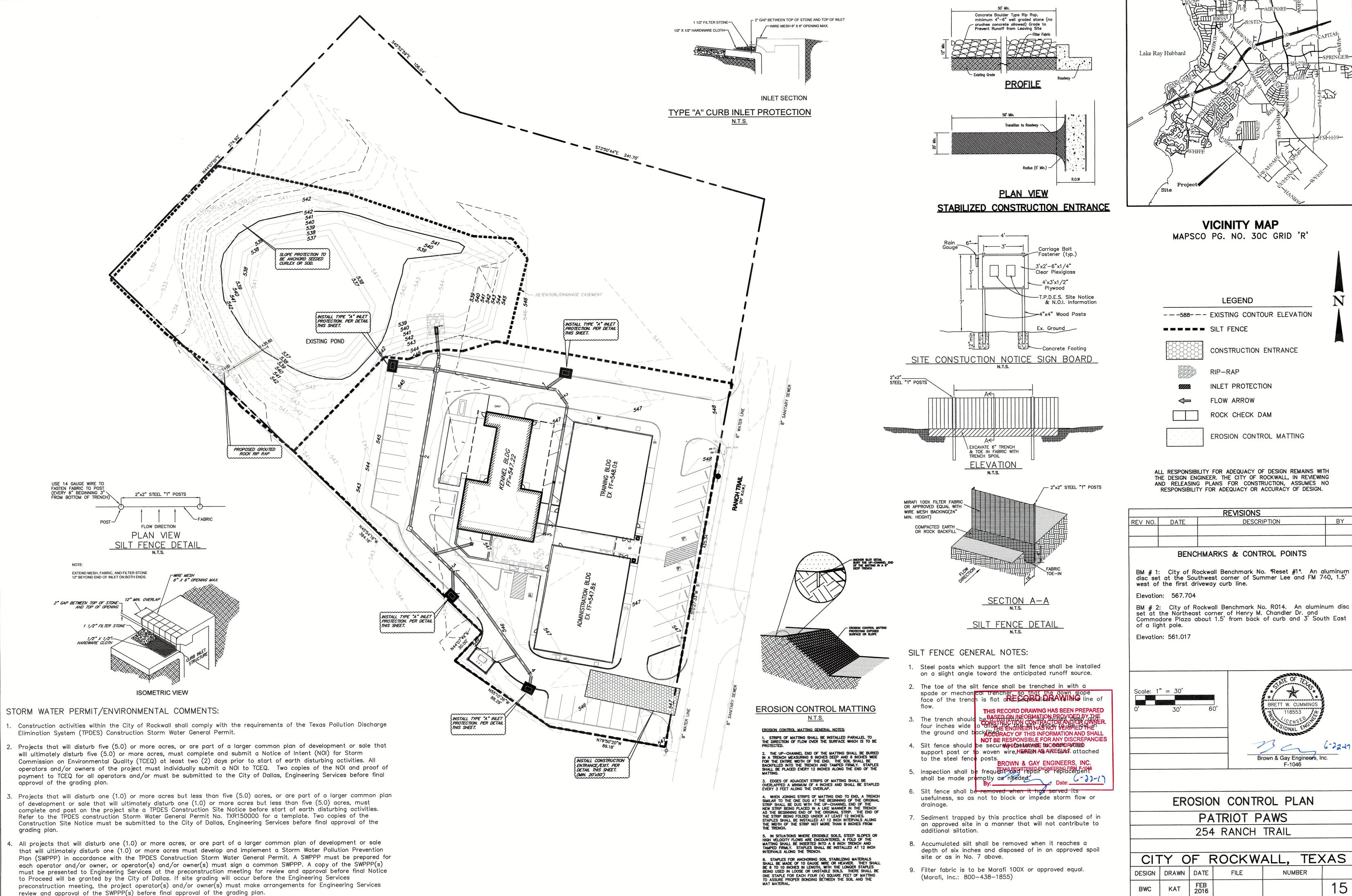
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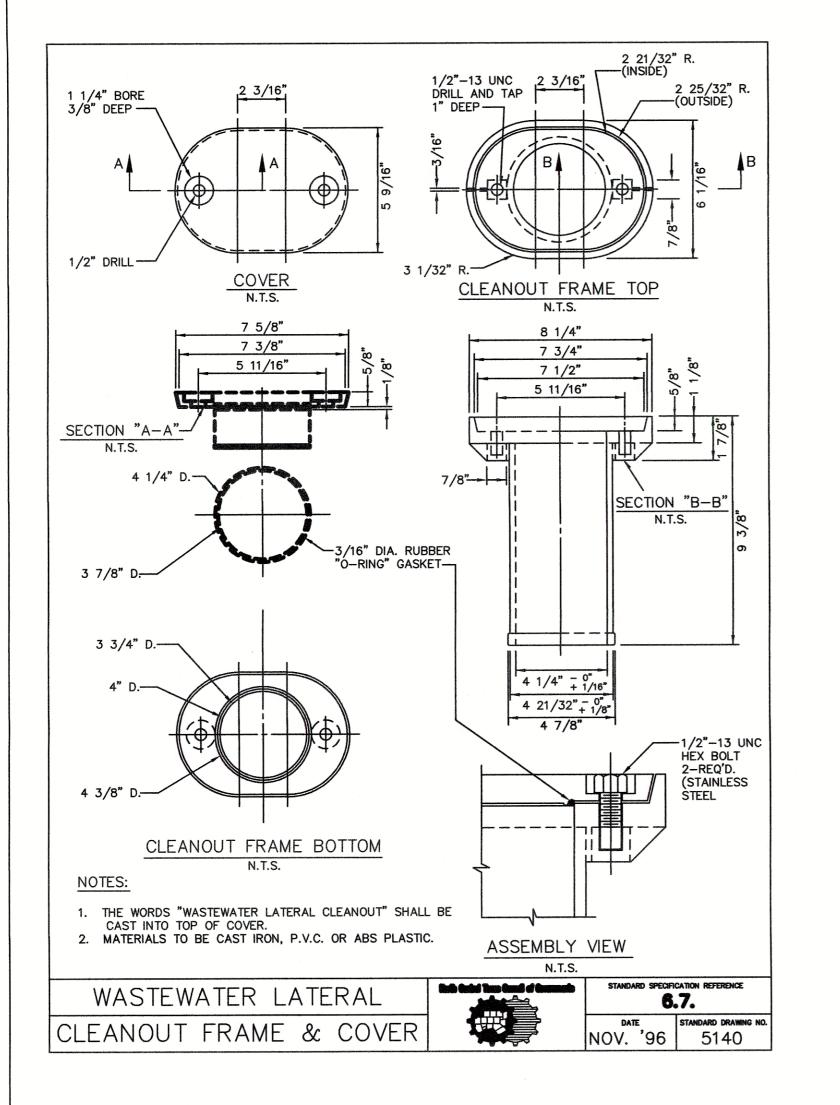


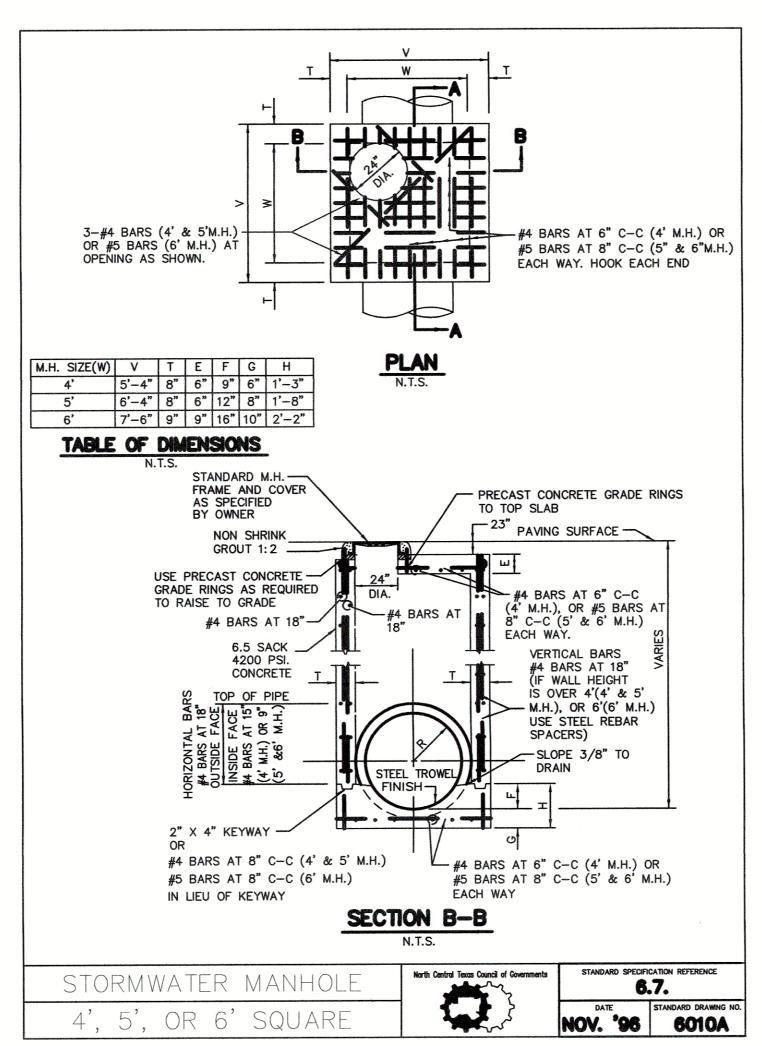


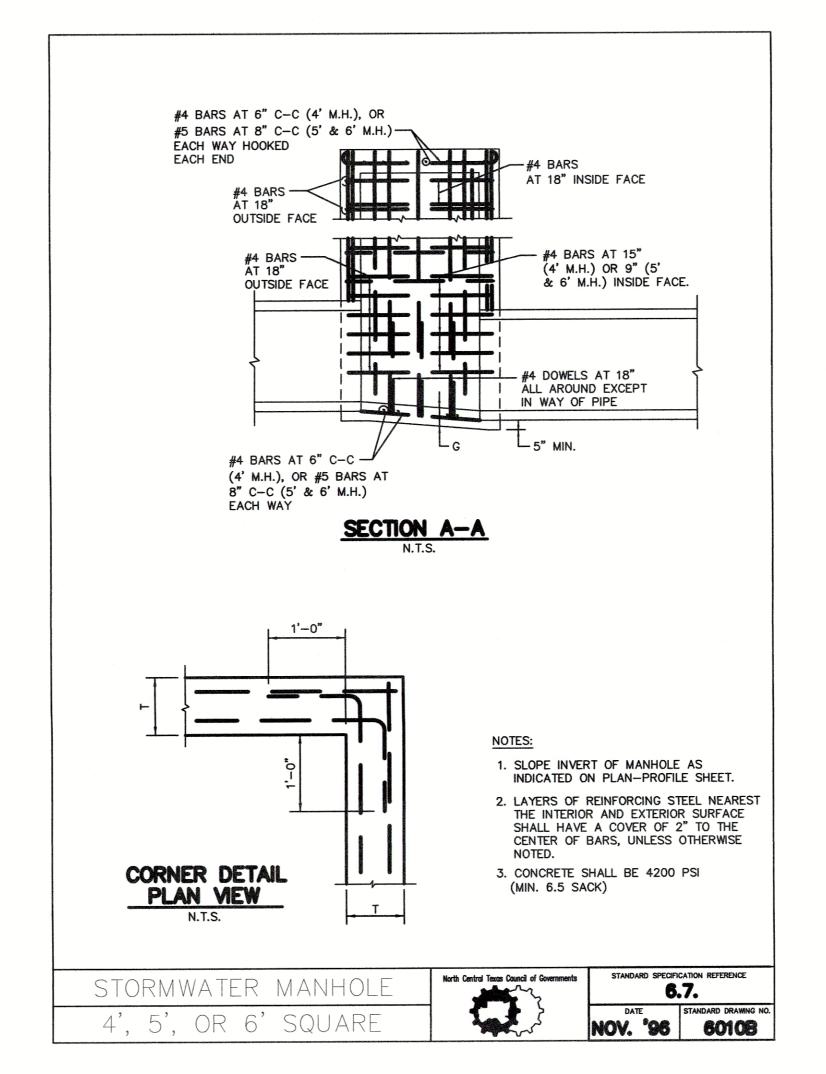


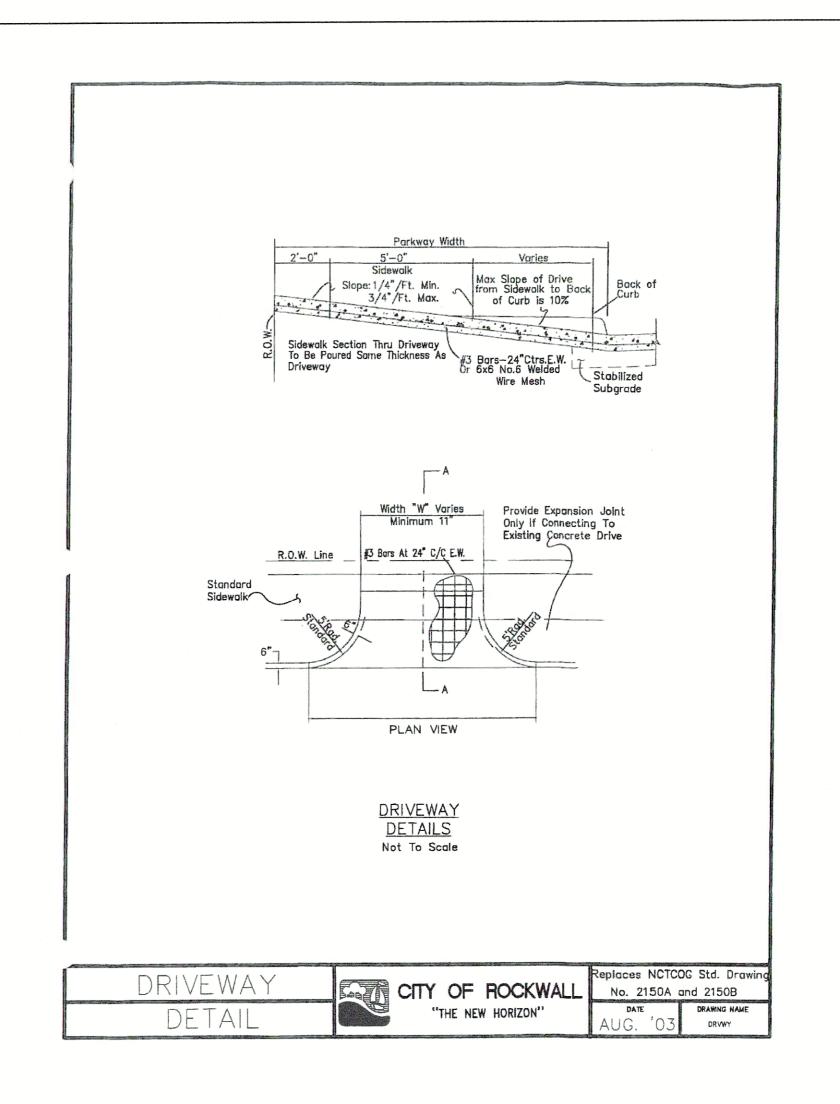


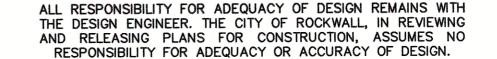
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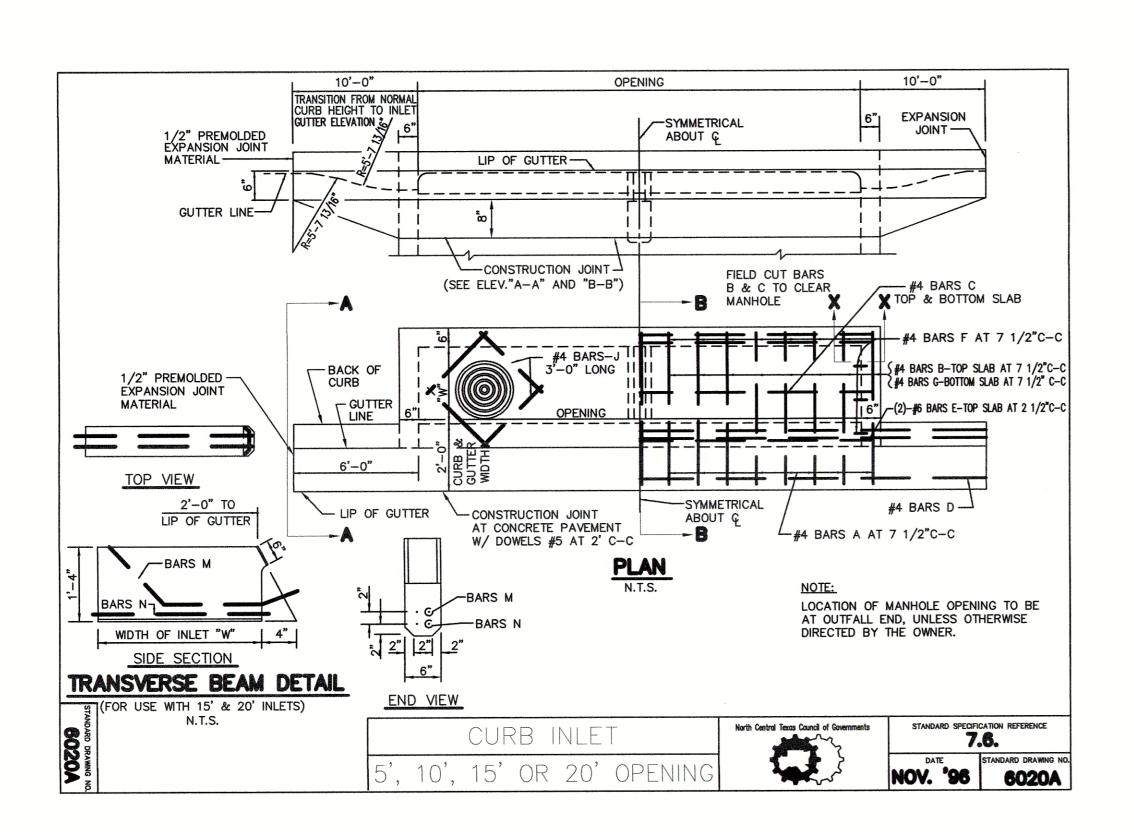


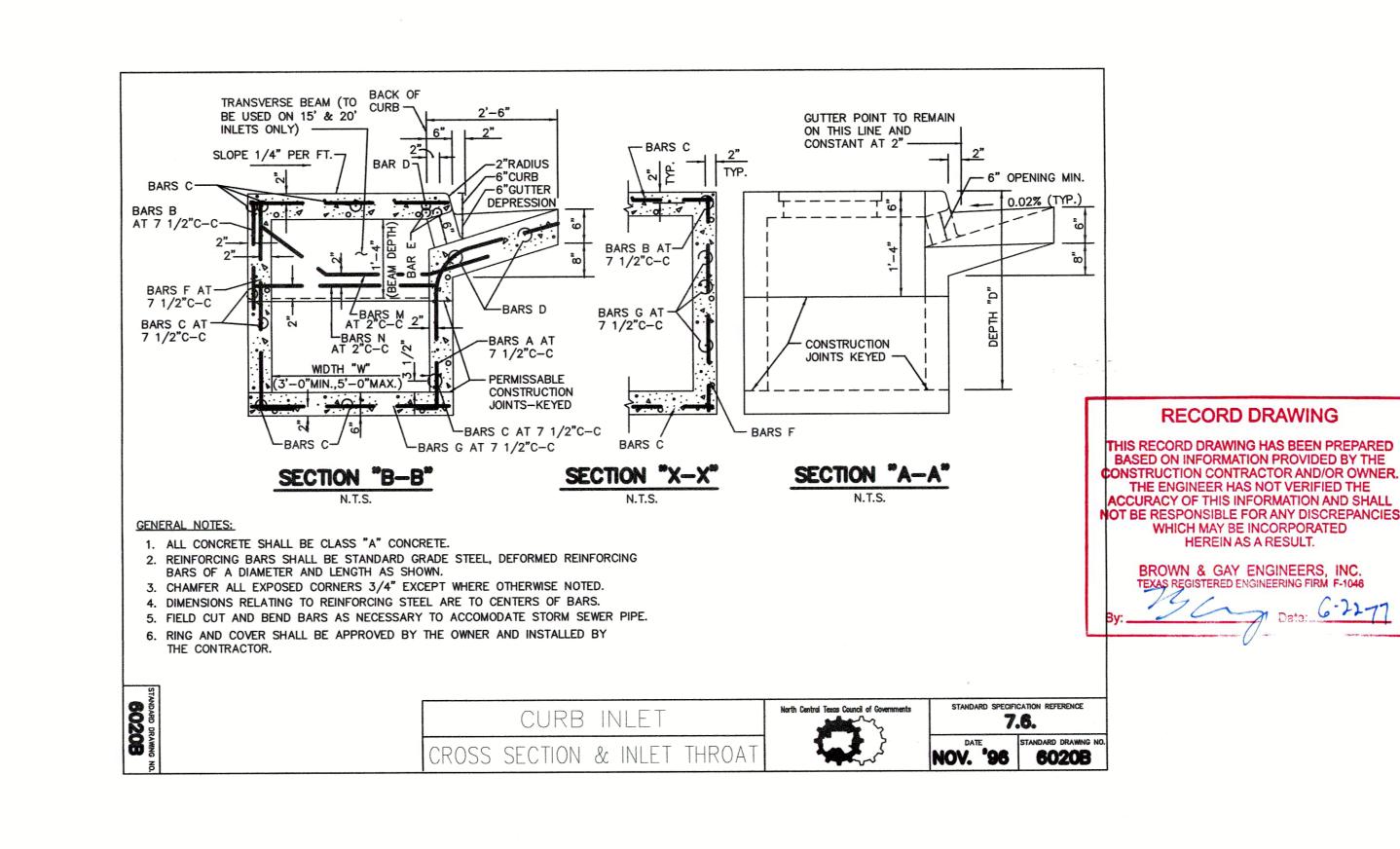


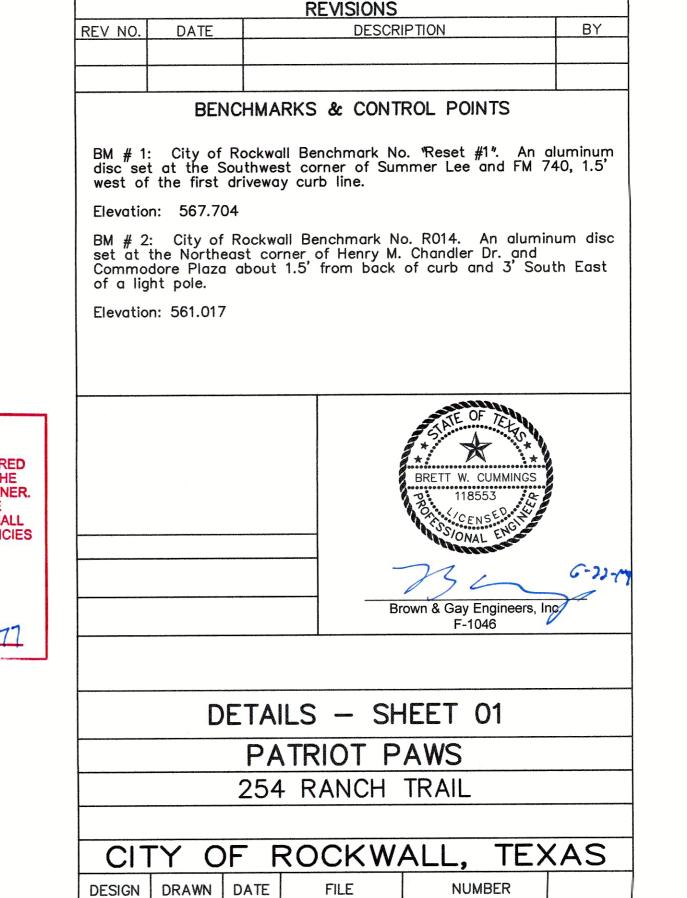










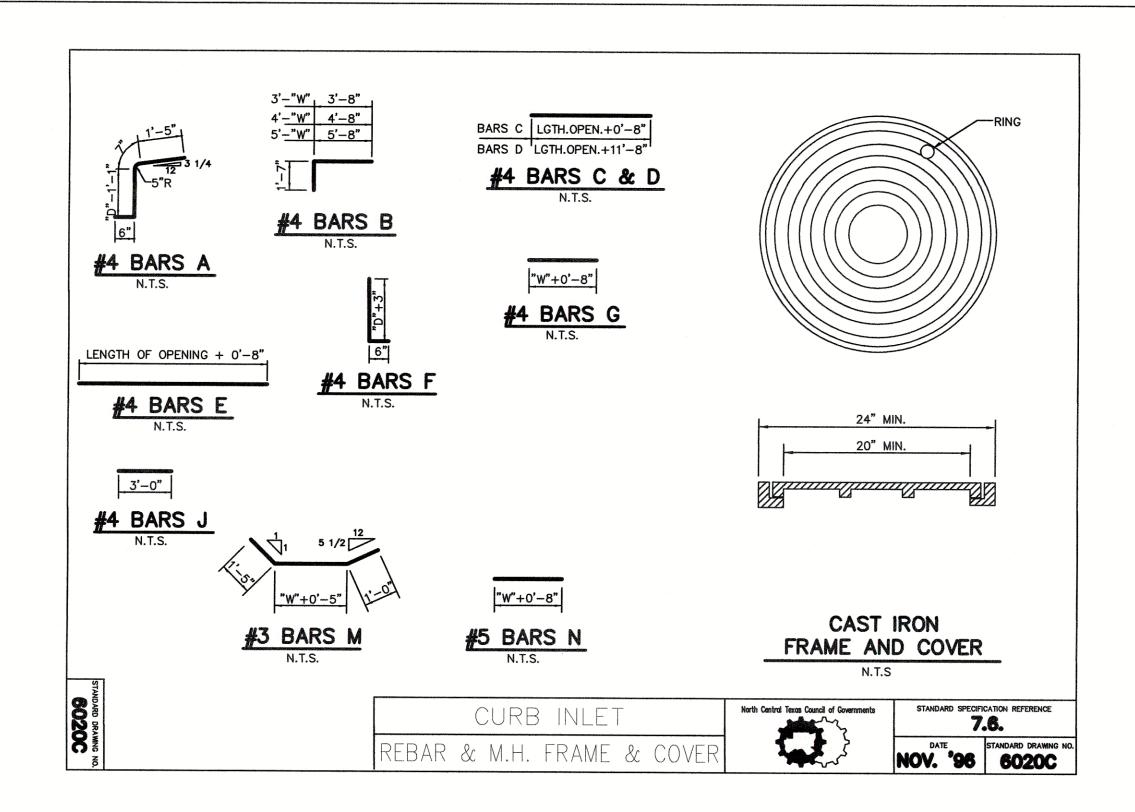


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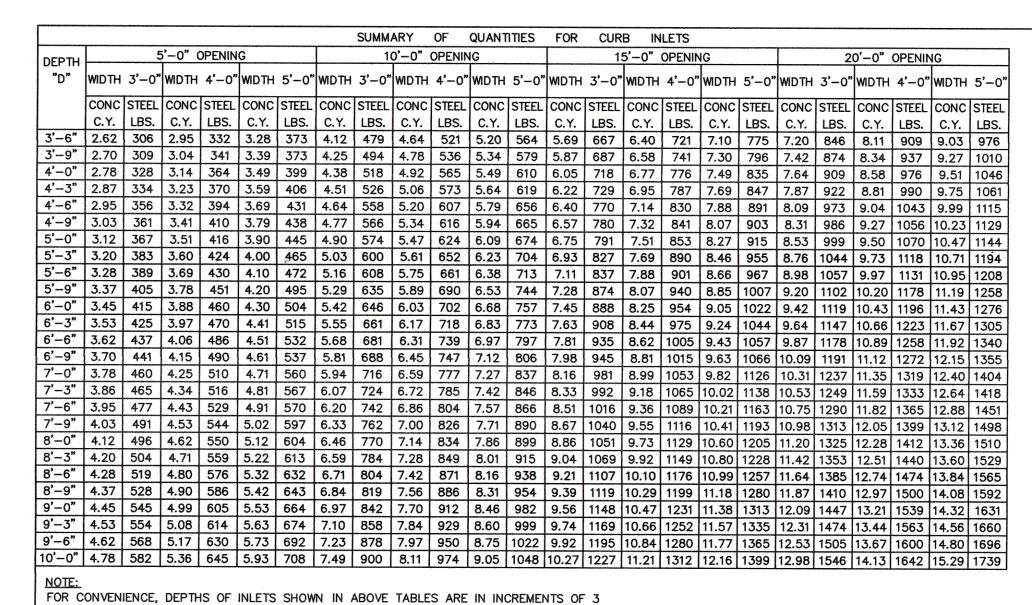
BWC

16

SON SCHOOL SON WINDOWS

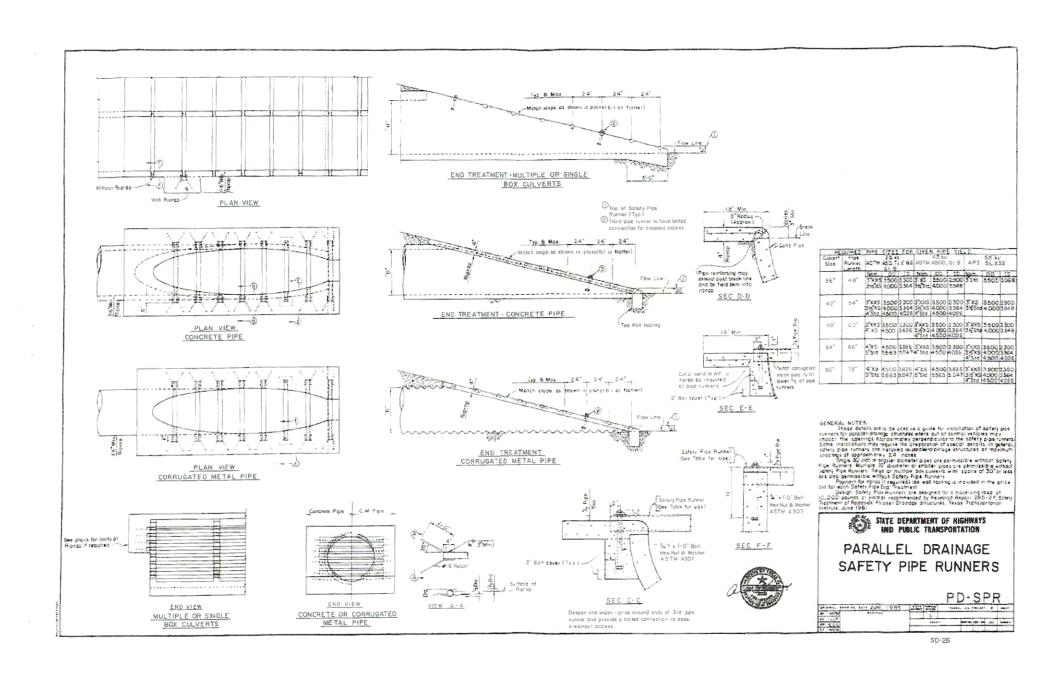


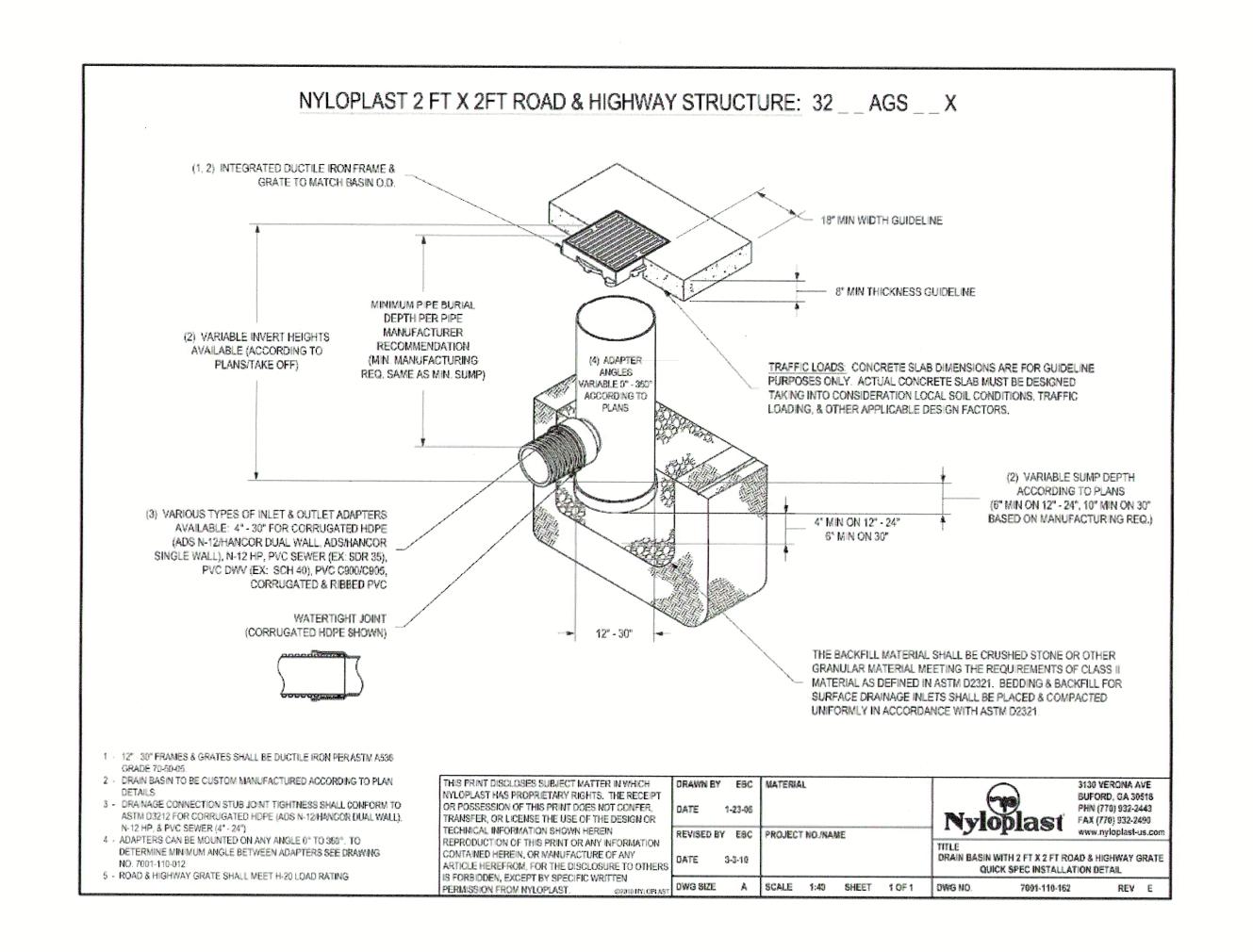
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					0.0	1	10.,						5ft						5ft						3ft			1							
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3'-6"	17		2	4	20	24	2	- Company	10				36		18		36	40	44		26	36	2	2	44	48	52	34	34	44	2	2			
3'-9"	18	**	"	"	"	"	"	"	"	20	29	20	"	"	"	28	"	"	**	"	"	36	27	39	29	"	33	25	29	44	20	"			
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4'-6"	21	"	**	"	**	"		"	"	26	"	"	"	"	"	34	"		"	"	"	42	"	"	"	"	23	**	"	50	23	"			
4'-9"	21	,,	"	"	"	"		"		26	"	,,		"	"	34	"	"	**	n	"	42	"	"	n	"	33	"	39	50	"	"			
5'-0"	21	,,	,,	,,	,,	."				26	"	"	"	"	"	34	,,	,,	"	"	,"	42	27	22	39	"	20	"	"	50	"	"			
5'-3"	23		*	,,	"	"	-	-	"	28	29	,,	,,	"	"	36	"	,,	**	39	*	44	"	"	"	"	99	30	39	52	23	"			
5'-6"	23		*	**	"	"	27	"	"	28	"	*	"	"	"	36	,,	29	"	"	"	44	"	"	"	"	**	n	"	52	"	"			
5'-9"	25	,,	99	"	"	"	_	"	"	30		"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	**	"	"	54	**	"			
6'-0"	25	,,	39	"	"	"	"	"	"	30	"	"	"	"	"	38	"	**	"	"		46		"	"	"	"	"	"	54	"	"			
6'-3"	26	"	22	"	"	"	29	"	"	30	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"		"			54	**	"			
6'-6"	27	22	**	"	"	19	29	19	"	32			"	"	"	40		**	,,	"	"	48		"	"	"	,,	"	n	56	,,	"			
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7'-0"	29	29	2)	29	**	"	"	"	,,	34		"	22	"	99	42		"	**	"	"	50				"	"	39		58	,,	"			
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8'-3"	31 32	,,	29	99	22	39	30	39	"	36	,,	99	"	,,	22	44	"	"	29	99	"	52		"	"		"	"	29	60	**				
8'-6"	33	,,	22	**	22	22	,,	"	,,	36	-,	,,	,,	**	99	44	"	22	32	29	99	52		,,	"	,,	,,			60	"	"			
8'-9"	34	- 27	29	19	99	,,	,,,	"	"	38	,,	20	,,	"	29	46	29	"	,,,	99	20	54		"	-	,,	,,	-	*	62		"			
9'-0"	35	29	**	19	99	"	27	29	29	+	,,	27	"	"	29	46	22	"	29	"	29	54		"	,	,,	"		**	62	**	"			
9'-3"	36	"	**	,,,	**	,,	"	,,	,,	40	,,	99	"	"	"	48	"	**	**	"	"	56		"	,,	,,	"	,,	"	64	"	"			
9'-6"	37	#	**	**	**	"	"	,,,	29	40	-,-	***	,,	"	22	48	99	99	"	"	29	56		,	"	"	"	"	29	64	25	"			
	38	**	11	29	99	,,	"	-	,,	42	,,	,,	,,	"	39	50 50	27	29	"	29	**	58 58	"	,,	"	,	"	"	**	66 66	**	"			
FOR ON INCHE DEEMING TABLE	CON ES B ED N	UT / NECE	ANY SSA	DEF RY.	THS QU	TO T	HER TTIE	THA S FO	N T	THOSE	E SI	HOW	N A	30VE	E MA	AY E	E U	SED HE I	WHI TIMI	ERE\ S O	/ER F TI	IE			nderwy, w		North Co	entral T	exes Co	uncil of	Governn	nents	STANDAR	TICATION REF	ERENC
BRAMIN											+		1						-	-	~			- L L		-		4			کم		DATE	.6.	DRAWIN
G NO												BII	_L		) <del> </del>	K	Ell	1	$\bigcirc$	ζC	IN	G	SI	E				7	4	5~	کم		NOV.	60	

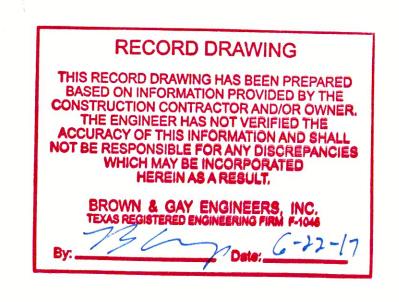


INCHES BUT ANY DEPTHS OTHER THAN THOSE SHOWN ABOVE MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS FALLING WITHIN THE LIMITS OF THE TABLE MAY BE FOUND BY INTERPOLATION. STANDARD SPECIFICATION REFERENCE

CURB INLET 7.6. STANDARD DRAWING NO SUMMARY OF QUANTIT NOV. '96 6020E







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.

		REVISIONS	
REV NO.	DATE	DESCRIPTION	BY
STONE STATE OF THE			
	BENC	CHMARKS & CONTROL POINTS	
disc se	t at the Sou	ockwall Benchmark No. 'Reset #1'. An al ithwest corner of Summer Lee and FM 74 iveway curb line.	uminum 10, 1.5
Elevatio	n: 567.704		
set at Commo	: City of R the Northeas dore Plaza o ht pole.	ockwall Benchmark No. R014. An aluming at corner of Henry M. Chandler Dr. and about 1.5' from back of curb and 3' Sout	um disc h East
Elevatio	n: 561.017		
		BRETT W. CUMMINGS	
		7 118553 & CENSED &	

DETAILS - SHEET 02

PATRIOT PAWS 254 RANCH TRAIL

CITY OF ROCKWALL, TEXAS **DESIGN** DRAWN DATE NUMBER

BWC

KAT

FEB 2016