

GENERAL CONSTRUCTION NOTES

VERSION UPDATED:

1. ANY PROPOSED WATER AND/OR SEWER MAINS AT TIME WILL BE LAID CLOSE TO OTHER EXISTING UTILITIES AND STRUCTURES BOTH ABOVE AND BELOW THE GROUND. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE SUPPORT AND PROTECTION OF ALL UTILITY POLES, FENCES, TREES, SHRUBS, GAS MAINS, TELEPHONE CABLES, TEE CABLES, DRAINAGE PIPES, UTILITY SERVICES AND ALL OTHER UTILITIES AND STRUCTURE BOTH ABOVE AND BELOW THE GROUND DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY OWNERS PRIOR TO ANY CONSTRUCTION IN THE AREA AND VERIFY THE ACTUAL LOCATION OF ALL BURIED UTILITIES THAT MAY OR MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND AND OVERHEAD FACILITIES AND BE RESPONSIBLE FOR ANY DAMAGE HE MAY CAUSE TO THEM. THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING AT EACH LOCATION:

CITY OF ROCKWALL 972-771-7746
 TDU ELECTRIC 800-344-8377
 ATMOS ENERGY 800-545-6005
 AT&T 800-395-0440
 CHARTER COMMUNICATIONS 800-344-8377
 TEXAS EXCAVATION SAFETY SYSTEM 800-DIG-TESS

2. EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY. ALTHOUGH THIS DATA IS SHOWN AS ACCURATELY AS POSSIBLE, THE CONTRACTOR IS CAUTIONED THAT THE CITY AND THE ENGINEER NEITHER ASSUMES NOR IMPLIES ANY RESPONSIBILITY FOR THE ACCURACY OF THIS DATA. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITY CROSSINGS SHOWN ON THE INCLUDED PROFILES ARE FROM RECORD DRAWINGS AND INFORMATION OBTAINED FROM UTILITY COMPANIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD-VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF THESE UTILITIES.
3. THE LOCATION OF ALL SANITARY SEWER, WATER, STORM SEWER, TELEPHONE, GAS, ELECTRIC, CABLE, TELEVISION UTILITIES, DRIVEWAYS, RETAINING WALLS, STRUCTURES, ETC., WHICH MAY BE SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT SIZE, LOCATION, ELEVATION, AND CONFIGURATION OF ALL UTILITIES AND STRUCTURES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONNECTING ALL ACTIVE SERVICES THAT ARE NOT SHOWN. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANIES AND PROPERTY OWNERS TO MARK AND LOCATE ALL UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION. SUCH VERIFICATION SHALL BE CONSIDERED AS SUBSIDIARY TO THE COST OF THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. CONTRACTOR'S PERSONNEL SHALL WEAR IDENTIFYING CLOTHING OR HATS AT ALL TIMES. THE CONTRACTOR SHALL ALSO HAVE IDENTIFICATION ON ALL VEHICLES.
5. THE CONTRACTOR SHALL REMOVE ALL FENCES, LOCATED WITHIN EASEMENTS, INTERFERING WITH CONSTRUCTION OBSERVATION AND PROVIDE TEMPORARY FENCING DURING CONSTRUCTION. REMOVED FENCES, WOODEN OR CHAIN LINK, SHALL BE REPLACED WITH A NEW FENCE OR UNDAMAGED ORIGINAL FENCING. ALL AFFECTED PROPERTY OWNERS SHALL BE NOTIFIED PRIOR TO CONSTRUCTION. REMOVAL AND REPLACEMENT OF EXISTING AND TEMPORARY FENCES SHALL BE CONSIDERED AS SUBSIDIARY TO THE PROJECT AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL.
6. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCH SAFETY. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED WORK UTILIZING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER FOR THIS PROJECT. A TRENCH SAFETY PLAN SHALL BE SUBMITTED AT THE PRE-CONSTRUCTION MEETING.
7. SOD SHALL BE REPLACED IN ALL AREAS DISTURBED BY CONSTRUCTION. SOD SHALL MATCH EXISTING GRASSES.
8. NO SEPARATE PAY ITEM WILL BE MADE FOR THE REMOVAL AND DISPOSAL OF EXISTING PUBLIC FACILITIES (PIPES, VALVES, ETC.) WITHIN A PROPOSED UTILITY TRENCH UNLESS OTHERWISE INDICATED WITHIN THE PROJECT SPECIFICATIONS. ITEMS TO BE REMOVED OR ABANDONED OUTSIDE OF A PROPOSED UTILITY TRENCH SHALL BE PAID FOR PER A SEPARATE PAY ITEM.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING GENERAL SAFETY AT AND ADJACENT TO THE PROJECT AREA, INCLUDING THE PERSONAL SAFETY OF THE CONSTRUCTION CREW AND GENERAL PUBLIC AND THE SAFETY OF PUBLIC AND PRIVATE PROPERTY. CONTRACTOR SHALL PROVIDE TEMPORARY SANITARY SEWER FACILITIES TO AFFECTED PROPERTY OWNERS, IF NECESSARY. NOT A SEPARATE PAY ITEM.
10. WHEN IT IS REQUIRED THAT A CONTRACTOR WORK IN PRIVATE PROPERTY, THE CONTRACTOR SHALL DISTRIBUTE LETTERS TO ALL AFFECTED PROPERTY OWNERS 48 HOURS PRIOR TO BEGINNING WORK ON EACH PROPERTY. THE LETTER SHALL INCLUDE NAMES AND TELEPHONE NUMBERS OF CONTRACTOR CONTACTS, A DESCRIPTION OF THE WORK TO BE DONE, AND THE TIME FRAME FOR DOING THE WORK. COPIES OF THE LETTER SHALL BE FORWARDED TO THE CITY INSPECTOR. DISTRIBUTION OF LETTERS SHALL BE CONSIDERED AS SUBSIDIARY TO THE COST OF PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

GENERAL CONSTRUCTION NOTES

VERSION UPDATED:

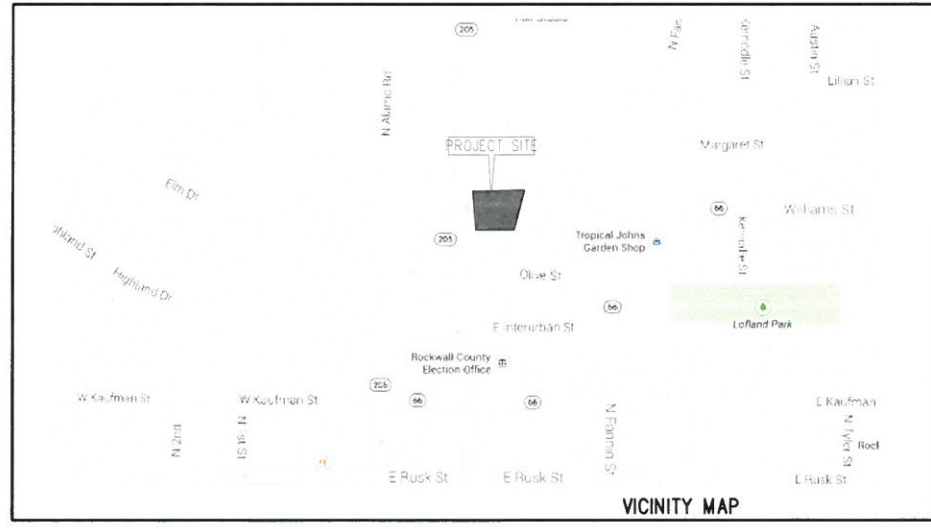
1. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER AND SEWER CONNECTIONS IN WORKING ORDER AT ALL TIMES. IN NO CASE SHALL SERVICES BE ALLOWED TO REMAIN OUT OF SERVICE OVERNIGHT.
2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE TERMS AND CONDITIONS SET FORTH IN TEMPORARY CONSTRUCTION EASEMENTS. INGRESS AND EGRESS IS ALLOWED ON PRIVATE PROPERTY IN ORDER TO ACCESS TEMPORARY CONSTRUCTION EASEMENTS. IN THE AREAS WHERE NO CONSTRUCTION EASEMENTS ARE AVAILABLE, CONTRACTOR SHALL LIMIT ACTIVITIES TO WITHIN THE EXISTING UTILITY EASEMENT.
3. CONTRACTOR SHALL VERIFY THE ELEVATION, CONFIGURATION AND LOCATION OF EXISTING LINES PRIOR TO CONSTRUCTION. SUCH VERIFICATION SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. ALL GRASS AREAS DAMAGED BY CONSTRUCTION SHALL RECEIVE 4" OF TOPSOIL AND SOLID SODDING. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING TOPSOIL WHENEVER POSSIBLE.
5. THE CONTRACTOR SHALL MAKE NECESSARY PROVISION FOR THE SUPPORT AND PROTECTION OF ALL UTILITY POLES, GAS MAINS, TELEPHONE CABLES, SANITARY SEWER LINES, ELECTRIC CABLES, DRAINAGE PIPES, UTILITY SERVICES, AND OTHER UTILITIES, AND THE STRUCTURES BOTH ABOVE AND BELOW GROUND DURING CONSTRUCTION. THE CONTRACTOR IS LIABLE FOR ALL DAMAGES DONE TO SUCH EXISTING FACILITIES AS A RESULT OF THE CONTRACTOR'S OPERATIONS.
6. CONTRACTOR SHALL SUBMIT WRITTEN REQUEST TO THE ENGINEER FOR APPROVAL OF ALL AREAS TO BE USED FOR STAGING, MOBILIZATION, EQUIPMENT AND MATERIAL STORAGE AND GENERAL PROJECT CONSTRUCTION MANAGEMENT. REQUEST SHALL BE SUBMITTED TO THE ENGINEER WITHIN FIVE (5) DAYS OF NOTICE TO PROCEED.

7. CONTRACTOR SHALL HAVE UTILITY COMPANIES LOCATE AND MARK ALL UNDERGROUND FACILITIES BEFORE BEGINNING EXCAVATION.
8. THE CONTRACTOR SHALL CLEAN UP AND RESTORE THE AREA OF OPERATIONS TO A CONDITION AS GOOD AS OR BETTER THAN THAT WHICH EXISTED PRIOR TO THE PROJECT.
9. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EXISTING STORM DRAIN SYSTEM UNTIL THE PROPOSED SYSTEM IS IN SERVICE. IN NO CASE SHOULD THE CONTRACTOR LEAVE THE EXISTING STORM SEWER OUT OF SERVICE WHEREBY RUNOFF WOULD CAUSE DAMAGE TO ADJACENT HOMEOWNERS.
10. NO EQUIPMENT OR MATERIAL SHALL BE DEPOSITED ON PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNERS. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN THE WARE WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIALS AT HIS OWN COST, IF THE ENGINEER SO DIRECTS.
11. THE LOCATION OF DRIVEWAYS, STEPS, RETAINING WALL, ETC., AND ALL WATER, SANITARY SEWER, STORM SEWER, TELEPHONE, GAS, ELECTRIC, AND CABLE TELEVISION UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE. ACCURATE LOCATIONS SHALL BE VERIFIED AT THE TIME OF CONSTRUCTION AFTER CONSULTATION WITH THE PROPERTY OWNERS AND THE RESPECTIVE UTILITY COMPANIES.
12. THE CONTRACTOR SHALL CONSTRUCT ALL DRAINAGE STREAMS FROM THE DOWNSTREAM END TO ALLOW CONTINUED STORM DRAIN SERVICE. IF THE CONTRACTOR CHOOSES TO CONSTRUCT THE SYSTEM OTHERWISE, HE SHALL PRESENT PROPOSED CONSTRUCTION STAGING AT THE PRE-CONSTRUCTION MEETING.
13. THE ADJUSTMENT AND/OR RELOCATION OF SPRINKLER HEAD ENCOUNTERED SHALL BE PAID FOR UNDER MISCELLANEOUS UTILITY ADJUSTMENT PAY ITEM IN THE PROPOSAL SECTION OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS.

EROSION CONTROL GENERAL NOTES

EROSION CONTROL MEASURES MAY ONLY BE PLACED IN FRONT OF INLETS, OR IN CHANNELS, DRAINAGEWAYS OR BORROW DITCHES AT RISK OF CONTRACTOR. CONTRACTOR SHALL REMAIN LIABLE FOR ANY DAMAGE CAUSED BY THE MEASURES, INCLUDING FLOODING DAMAGE, WHICH MAY OCCUR DUE TO BLOCKED DRAINAGE. AT THE CONCLUSION OF ANY PROJECT, ALL CHANNELS, DRAINAGEWAYS AND BORROW DITCHES IN THE WORK ZONE SHALL BE DREGGED OF ANY SEDIMENT GENERATED BY THE PROJECT OR DEPOSITED AS A RESULT OF EROSION CONTROL MEASURES.

11. ONCE THE PIPE HAS BEEN INSTALLED OR REHABILITATED, THE CONTRACTOR SHALL IMMEDIATELY COMMENCE SURFACE RESTORATION. SURFACE RESTORATION MUST BE COMPLETED TO THE OWNER'S SATISFACTION WITHIN TEN (10) WORKING DAYS. FAILURE TO MAINTAIN SITE RESTORATION, AS NOTED ABOVE, MAY RESULT IN DEFERMENT OF FURTHER PIPE INSTALLATION ACTIVITIES.
12. THE CONTRACTOR SHALL PRESERVE AND PROTECT OR REMOVE AND REPLACE (WITH PRIOR APPROVAL OF CITY PARKS AND COMMUNITY SERVICES AND/OR AFFECTED PROPERTY OWNERS) ALL TREES, SHRUBS, HEDGES, RETAINING WALLS, LANDSCAPING, BUILDINGS, WALKS, ETC., IN OR NEAR PROPOSED CONSTRUCTION AREA. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NOT A SEPARATE PAY ITEM.
13. CONTRACTOR SHALL PROTECT CONCRETE CURB AND GUTTER, DRIVEWAYS, AND SIDEWALKS THAT ARE NOT DESIGNATED FOR REMOVAL. REMOVAL AND REPLACEMENT OF THESE ITEMS SHALL BE AS DESIGNATED. AT LOCATIONS WHERE THE CURB AND GUTTER ARE TO BE REPLACED, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE RE-ESTABLISHMENT OF EXISTING STREET AND GUTTER GRADES. ESTABLISHMENT OF GRADES SHALL BE PERFORMED PRIOR TO CONSTRUCTION AND IS NOT A SEPARATE PAY ITEM, BUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT PRICE.
14. ALL EMBEDMENT AND BACKFILL SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL STANDARDS. ALL PAVEMENT REPAIR SHALL CONFORM TO THE CITY OF ROCKWALL STANDARDS.
15. THE CONTRACTOR SHALL REMOVE FROM THE PROJECT AREA ALL SURPLUS MATERIAL. THIS SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM. SURPLUS MATERIALS FROM EXCAVATION INCLUDING DIRT, TRASH, ETC. SHALL BE PROPERLY DISPOSED OF AT A SITE ACCEPTABLE TO THE CITY'S FLOOD PLAN ADMINISTRATOR IF WITHIN THE CITY LIMITS. IF THE LOCATION IS NOT WITHIN THE CITY LIMITS, THE CONTRACTOR SHALL PROVIDE A LETTER STATING SO. NO EXCESS EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG NATURAL DRAINAGE WAY WITHOUT WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNER AND THE CITY'S FLOOD PLAN ADMINISTRATOR. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN THE AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM SUCH FILL AND HE SHALL REMOVE THE MATERIAL AT HIS OWN COST.
16. IT IS RECOMMENDED THE CONTRACTOR VIDEO ALL POTENTIALLY IMPACTED PRIVATE PROPERTY AREAS PRIOR TO WORK. VIDEOS SHOULD INCLUDE THE DATE, NOTATION AND AUDIO IDENTIFICATION OF PROPERTY ADDRESS AND THE IMPACTED UTILITY TYPE AND SIZE. ANY PRE-CONSTRUCTION VIDEO TAPING OF IMPACTED PROPERTIES SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF THE PROJECT.
17. COSTS ASSOCIATED WITH PROPOSED CONNECTIONS TO EXISTING FACILITIES SHALL BE INCLUDED IN EACH RESPECTIVE BID ITEM. NO SEPARATE PAY, EXCEPT AS SPECIFICALLY INDICATED WITHIN THESE PLANS OR THE CONTRACT DOCUMENTS.
18. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE STREETS AND SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS ARISING FROM THE CONSTRUCTION ACTIVITY.
19. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7:00 AM TO 6:00 PM UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER. IN THE CASE OF ARTERIAL STREETS, 9:00 AM TO 4:00 PM ONLY.
20. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER AND SEWER CONNECTIONS TO ALL HOMES AND BUSINESSES IN WORKING ORDER AT ALL TIMES, EXCEPT FOR BRIEF PRE-NOTIFIED INTERRUPTIONS IN WATER SERVICES. IN NO CASE SHALL SERVICES BE ALLOWED TO REMAIN UNREINSTATED OVERNIGHT.
21. TWO-WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES. ONE LANE OF TRAFFIC AROUND CONSTRUCTION OPERATIONS IN PROGRESS WITH ADEQUATE SAFEGUARDS WILL BE ACCEPTABLE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
22. CONTRACTOR SHALL CONTACT LOCAL SCHOOLS PRIOR TO BEGINNING CONSTRUCTION TO INFORM PRINCIPALS AND ADMINISTRATORS OF CONSTRUCTION IN THE AREA. A NOTE ON THE SCHOOL MARQUEE IS SUGGESTED TO INFORM PARENTS AND STUDENTS OF CONSTRUCTION AND CONSTRUCTION DURATION AND POSSIBLE ALTERNATE ROUTES AROUND CONSTRUCTION SITES.
23. THE CONTRACTOR SHALL FURNISH A TRAFFIC CONTROL PLAN FOR ALL WORKING AREAS TO THE CITY TRAFFIC ENGINEER FOR APPROVAL PRIOR TO THE PRE-CONSTRUCTION MEETING. TWO-WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES. ONE LANE OF TRAVEL AROUND CONSTRUCTION OPERATIONS IN PROGRESS WITH ADEQUATE SAFEGUARDS WILL BE ACCEPTABLE ON MINOR STREETS ONLY. ALL BARRICADES, WARNING SIGNS, LIGHT DEVICES, ETC., FOR THE GUIDANCE AND PROTECTION OF TRAFFIC AND PEDESTRIANS MUST CONFORM TO THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS CURRENTLY AMENDED, TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION. THE COST FOR TRAFFIC CONTROL SHALL BE SUBSIDIARY TO THE UNIT PRICES FOR THIS PROJECT.
24. TWO (2) PERMANENT PAINTED DRIVE ADDRESSES MUST BE INSTALLED AT THE BASE OF THE CURB ON EACH SIDE OF EVERY DRIVEWAY. ADDRESS SIGNS SHALL BE POSTED IN A POSITION TO BE PLAINLY VISIBLE AND LEGIBLE. NUMBERS SHALL BE AT LEAST 3" IN HEIGHT AND CONTRAST.



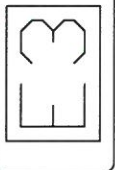
BENCHMARK: RIM OF SSMH LOCATED ON THE EAST SIDE OF SH 205 AND BEING 100' SOUTH OF NORTHWEST CORNER. ELEV. = 578.15

E3 E3 ENGINEERING
 106 NORMA GENE
 ROYSE CITY, TX 75189
 214-773-6767 TX REG #F-10130

RECORD DRAWINGS - JULY 2017

DESIGNED
SEP
 DRAWN
SEP
 CHECKED
SEP

E3 ENGINEERING
 ENGINEERING CONSULTANTS
 106 NORMA GENE, ROYSE CITY, TX 75189
 (214) 773-6767 e3eng@e3eng.com TX REG #F-10130



GENERAL NOTES

406 N. GOLIAD
 ROCKWALL, TX

DATE
JANUARY 2015
 JOB NO.
14-009
 SHEET NO.
3

SAWCUT & REMOVE 2' x 31' EXISTING ASPHALT
INSTALL NEW CURB & GUTTER PER TxDOT DETAIL
CCCG-12

TxDOT PERMIT REQUIRED FOR CURB REMOVAL & INSTALLATION

SAWCUT 1' INTO EXISTING ASPHALT

EXISTING ASPHALT DRIVE

20' CROSS ACCESS ESMT

DUMPSTER PAD

INSTALL 1.85' WIDE, 4" THICK FLUME

1.85' OPENING IN 7" CURB

N. GOLIAD STREET

N 0°46'08"E 138.01'

RESIDENCE 406 N. GOLIAD STREET

0.53 ACRES

13,009 SF CONCRETE PAVING

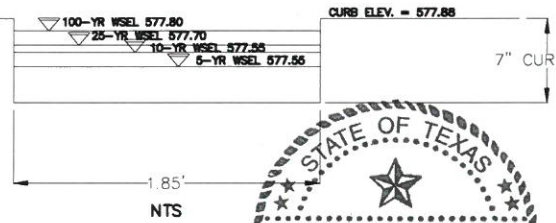
N 88°57'33"W 156.32'

0.40 ACRES
LAND HEADQUARTERS COMPANY, INC.
VOL. 1503, PG. 34
R.P.R.C.T.

RECORD DRAWINGS - JULY 2017

NOTE: ALL MEASUREMENTS ARE FROM THE FACE OF CURB
PARKING LOT HAS A 6" CURB EXCEPT ALONG NORTH PORTION WHERE CURB OPENING IS LOCATED AND ALONG EAST PORTION. THE EAST PORTION IS A 7" CURB FOR DETENTION. THE NORTH PORTION IS A VARIABLE HEIGHT CURB.

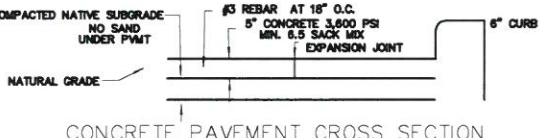
CONCRETE FLUME DETAIL



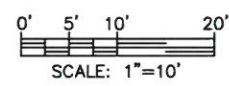
BIN 303 ADDITION
CABINET G, SLIDE 341
P.R.R.C.T.



NOTE: Drainage detention is required for the parking lot.



CONCRETE PAVEMENT CROSS SECTION



SCALE: 1"=10'

ROCKWALL RUSTIC RANCH, LLC
406 N. GOLIAD STREET

OWNER:
ROCKWALL RUSTIC RANCH, LLC
CAPRICE MICHELLE
1506 SIGNAL RIDGE PL
ROCKWALL, TEXAS 75032
214-789-7364

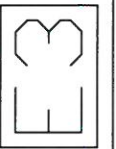
SYMBOL LEGEND	
(Symbol)	STRIPING
(Symbol)	EDGE OF PAVEMENT/NO CURB
(Symbol)	6" CURB
(Symbol)	7" CURB
(Symbol)	6" CONCRETE FIRE LANE (3,600 PSI, 6.5 SACK)

580.2 TOP OF CURB ELEV.
579.7 GUTTER/SPOT ELEV.

- STRIPING
- EDGE OF PAVEMENT/NO CURB
- 6" CURB
- 7" CURB
- 6" CONCRETE FIRE LANE (3,600 PSI, 6.5 SACK)

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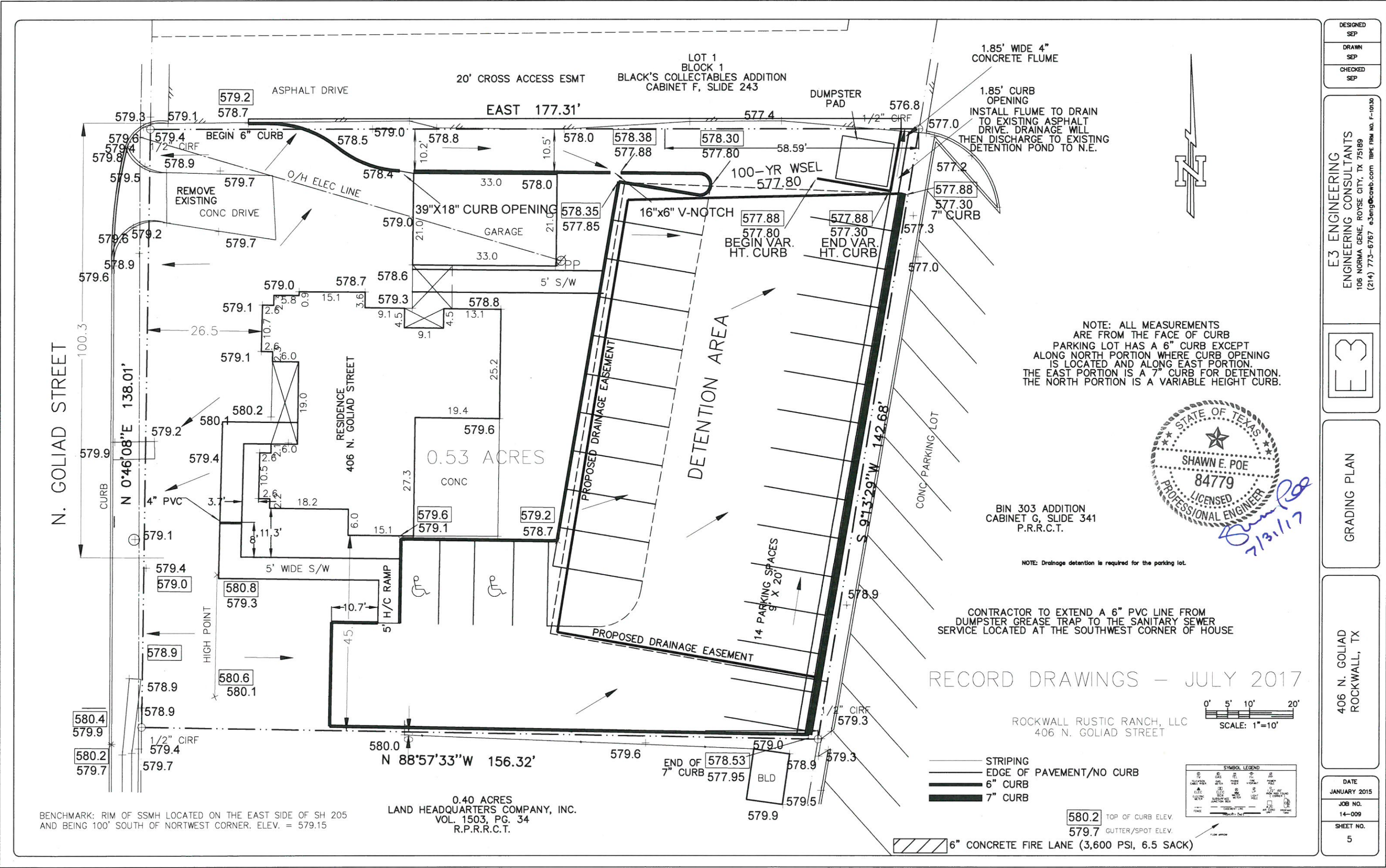
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ENGINEERING CONSULTANTS
106 NORMA GENE, ROYSE CITY, TX 75189
(214) 773-6767 e3eng@comcast.net TBE FIRM NO. F-10130



DIMENSION CONTROL
PAVING PLAN

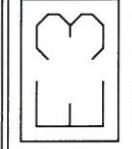
406 N. GOLIAD
ROCKWALL, TX

DATE
JANUARY 2015
JOB NO.
14-009
SHEET NO.
4



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GRADING PLAN

406 N. GOLIAD
ROCKWALL, TX

DATE
JANUARY 2015
JOB NO.
14-009
SHEET NO.
5



NOTE: ALL MEASUREMENTS ARE FROM THE FACE OF CURB. PARKING LOT HAS A 6" CURB EXCEPT ALONG NORTH PORTION WHERE CURB OPENING IS LOCATED AND ALONG EAST PORTION. THE EAST PORTION IS A 7" CURB FOR DETENTION. THE NORTH PORTION IS A VARIABLE HEIGHT CURB.



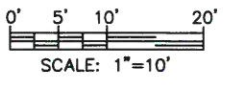
BIN 303 ADDITION
CABINET G, SLIDE 341
P.R.R.C.T.

NOTE: Drainage detention is required for the parking lot.

CONTRACTOR TO EXTEND A 6" PVC LINE FROM DUMPSTER GREASE TRAP TO THE SANITARY SEWER SERVICE LOCATED AT THE SOUTHWEST CORNER OF HOUSE

RECORD DRAWINGS - JULY 2017

ROCKWALL RUSTIC RANCH, LLC
406 N. GOLIAD STREET



- STRIPING
- EDGE OF PAVEMENT/NO CURB
- 6" CURB
- 7" CURB

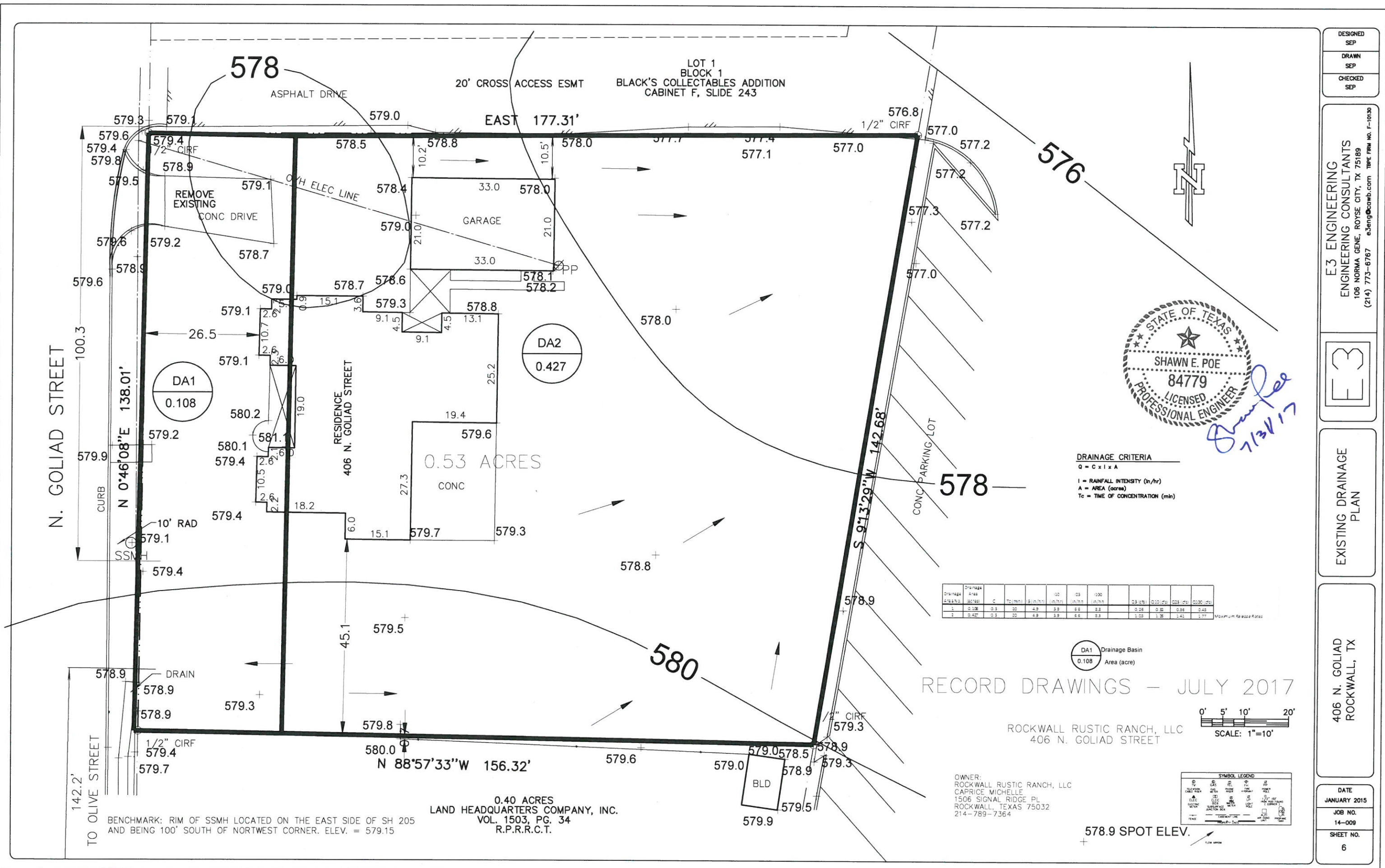
SYMBOL LEGEND	
	6" CURB
	7" CURB
	100-YR WSEL
	PROPOSED DRAINAGE EASEMENT
	16"x6" V-NOTCH
	39"x18" CURB OPENING
	1.85' WIDE 4" CONCRETE FLUME
	1.85' CURB OPENING
	1.85' WIDE 4" CONCRETE FLUME
	1.85' CURB OPENING
	1.85' WIDE 4" CONCRETE FLUME
	1.85' CURB OPENING

580.2 TOP OF CURB ELEV.
579.7 GUTTER/SPOT ELEV.

6" CONCRETE FIRE LANE (3,600 PSI, 6.5 SACK)

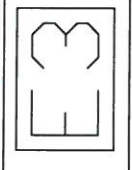
BENCHMARK: RIM OF SSMH LOCATED ON THE EAST SIDE OF SH 205 AND BEING 100' SOUTH OF NORTHWEST CORNER. ELEV. = 579.15

0.40 ACRES
LAND HEADQUARTERS COMPANY, INC.
VOL. 1503, PG. 34
R.P.R.C.T.



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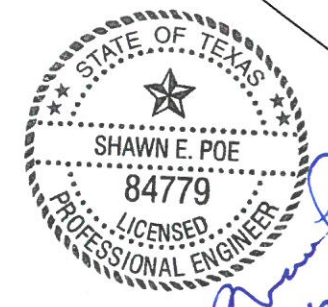
E3 ENGINEERING
ENGINEERING CONSULTANTS
106 NORMA GENE, ROYSE CITY, TX 75189
(214) 773-6767
e3eng@e3cawb.com TBP# FRW NO. F-10130



EXISTING DRAINAGE
PLAN

406 N. GOLIAD
ROCKWALL, TX

DATE
JANUARY 2015
JOB NO.
14-009
SHEET NO.
6



DRAINAGE CRITERIA
 $Q = C \times I \times A$
 I = RAINFALL INTENSITY (in/hr)
 A = AREA (acres)
 Tc = TIME OF CONCENTRATION (min)

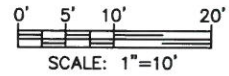
Drainage Area (acres)	C	Tc (min)	10 (in/hr)	25 (in/hr)	50 (in/hr)	100 (in/hr)	150 (in/hr)	200 (in/hr)	250 (in/hr)	300 (in/hr)	350 (in/hr)	400 (in/hr)	450 (in/hr)	500 (in/hr)
0.108	0.5	20	4.9	9.8	14.7	19.6	24.5	29.4	34.3	39.2	44.1	49.0	53.9	58.8
0.427	0.5	20	4.9	9.8	14.7	19.6	24.5	29.4	34.3	39.2	44.1	49.0	53.9	58.8

Maximum Release Rates

DA1 Drainage Basin
0.108 Area (acre)

RECORD DRAWINGS - JULY 2017

ROCKWALL RUSTIC RANCH, LLC
406 N. GOLIAD STREET



OWNER:
ROCKWALL RUSTIC RANCH, LLC
CAPRICE MICHELLE
1506 SIGNAL RIDGE PL
ROCKWALL, TEXAS 75032
214-789-7364

SYMBOL LEGEND

Symbol	Description
(Circle with dot)	Drainage Basin
(Circle with number)	Area (acre)
(Circle with 'X')	Spot Elevation
(Circle with 'P')	Proposed
(Circle with 'E')	Existing
(Circle with 'R')	Remove
(Circle with 'S')	Survey
(Circle with 'B')	Boundary
(Circle with 'C')	Centerline
(Circle with 'L')	Line
(Circle with 'A')	Area
(Circle with 'V')	Vertical Curve
(Circle with 'H')	Horizontal Curve
(Circle with 'T')	Tangent
(Circle with 'C')	Circle
(Circle with 'R')	Radius
(Circle with 'A')	Area
(Circle with 'V')	Vertical Curve
(Circle with 'H')	Horizontal Curve
(Circle with 'T')	Tangent
(Circle with 'C')	Circle
(Circle with 'R')	Radius

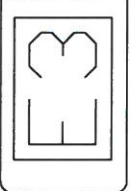
578.9 SPOT ELEV.

BENCHMARK: RIM OF SSMH LOCATED ON THE EAST SIDE OF SH 205 AND BEING 100' SOUTH OF NORTHWEST CORNER. ELEV. = 579.15

0.40 ACRES
LAND HEADQUARTERS COMPANY, INC.
VOL. 1503, PG. 34
R.P.R.R.C.T.

DESIGNED
SEP
DRAWN
SEP
CHECKED
SEP

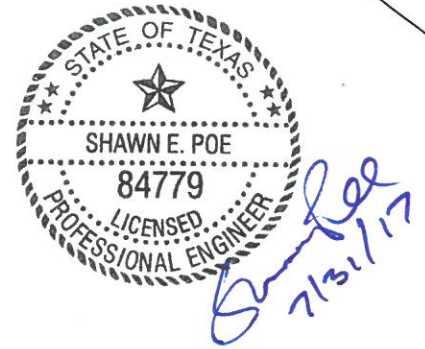
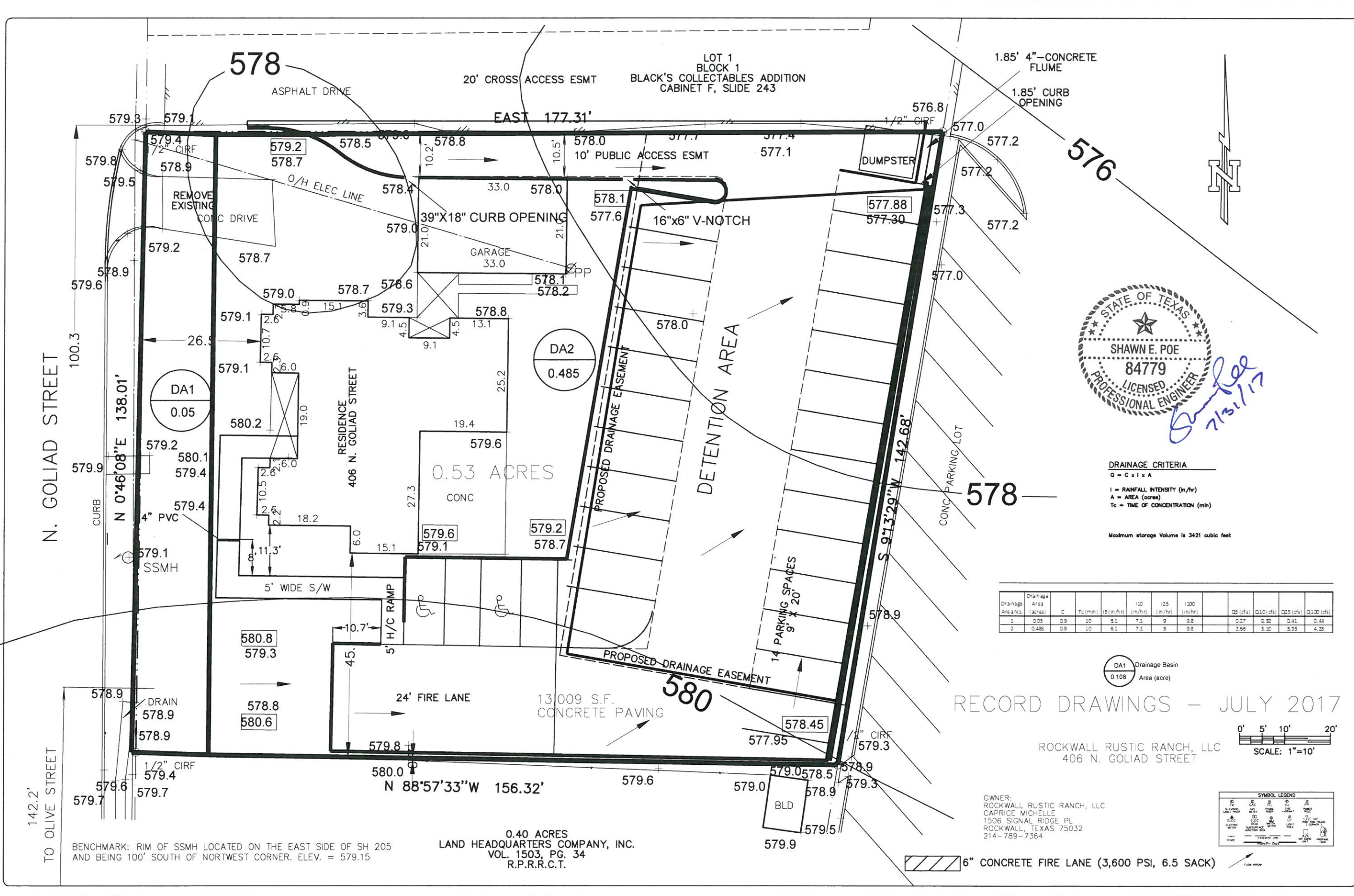
E3 ENGINEERING
ENGINEERING CONSULTANTS
106 NORMA GENE, ROYSE CITY, TX 75189
(214) 773-6767 e3eng@cwmb.com TBP# FRM NO. F-10130



PROPOSED DRAINAGE
PLAN

406 N. GOLIAD
ROCKWALL, TX

DATE
JANUARY 2015
JOB NO.
14-009
SHEET NO.
7



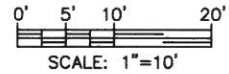
DRAINAGE CRITERIA
 $Q = C \times I \times A$
 I = RAINFALL INTENSITY (in/hr)
 A = AREA (acres)
 Tc = TIME OF CONCENTRATION (min)
 Maximum storage Volume is 3421 cubic feet

Drainage Area No.	Area (acres)	C	Tc (min)	15 (in/hr)	10 (in/hr)	125 (in/hr)	100 (in/hr)	Q5 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)
1	0.05	0.9	10	5.1	7.1	9	9.8	0.27	0.32	0.41	0.44
2	0.485	0.9	10	5.1	7.1	9	9.8	2.66	3.10	3.93	4.28

DA1 Drainage Basin
0.108 Area (acre)

RECORD DRAWINGS - JULY 2017

ROCKWALL RUSTIC RANCH, LLC
406 N. GOLIAD STREET



OWNER:
ROCKWALL RUSTIC RANCH, LLC
CAPRICE MICHELLE
1506 SIGNAL RIDGE PL
ROCKWALL, TEXAS 75032
214-789-7364

SYMBOL LEGEND

DA	Drainage Basin
BLD	Building
CONC	Concrete
ASPH	Asphalt
GRASS	Grass
...	...

6" CONCRETE FIRE LANE (3,600 PSI, 6.5 SACK)

BENCHMARK: RIM OF SSMH LOCATED ON THE EAST SIDE OF SH 205 AND BEING 100' SOUTH OF NORTHWEST CORNER. ELEV. = 579.15

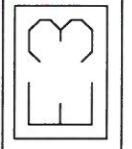
0.40 ACRES
LAND HEADQUARTERS COMPANY, INC.
VOL. 1503, PG. 34
R.P.R.C.T.

N. GOLIAD STREET

TO OLIVE STREET

DESIGNED
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ENGINEERING CONSULTANTS
106 NORMA GENE, ROYSE CITY, TX 75189
(214) 773-6767 e3eng@e3eng.com TREC PERM NO. F-10130



DETENTION
CALCULATIONS

406 N. GOLIAD
ROCKWALL, TX

DATE
JANUARY 2015
JOB NO.
14-009
SHEET NO.
8

EXISTING DRAINAGE CONDITIONS

Drainage Area No.	Drainage Area (acres)	C	Tc (min)	15 (in/hr)	10 (in/hr)	25 (in/hr)	100 (in/hr)	Q5 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)
1	0.028	0.5	20	4.9	5.9	8.8	8.8	0.28	0.32	0.36	0.43
2	0.427	0.5	20	4.9	5.9	8.8	8.8	1.05	1.24	1.42	1.77

Note: 100-yr = 1.05 cfs

PROPOSED DRAINAGE CONDITIONS

Drainage Area No.	Drainage Area (acres)	C	Tc (min)	15 (in/hr)	10 (in/hr)	25 (in/hr)	100 (in/hr)	Q5 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)
1	0.05	0.9	10	6.1	7.1	9	9.8	0.27	0.32	0.41	0.44
2	0.485	0.9	10	6.1	7.1	9	9.8	2.66	3.10	3.93	4.26

Check various duration storms:

100-yr	I	C	A	Q
15 mins	9	0.9	0.485	3.93
20 mins	8.3	0.9	0.485	3.62
30 mins	6.9	0.9	0.485	3.01
40 mins	5.8	0.9	0.485	2.53
50 mins	5	0.9	0.485	2.18
60 mins	4.5	0.9	0.485	1.96
70 mins	4	0.9	0.485	1.75
80 mins	3.7	0.9	0.485	1.62
90 mins	3.5	0.9	0.485	1.53
100 mins	3.4	0.9	0.485	1.48
110 mins	3.2	0.9	0.485	1.40

Determining Maximum Storage Volume
100-yr storm event

		mins	Q	Sec/min	Volume	Difference
10 mins	Inflow	10	4.28	60	2568	1506
	Outflow	0.5	1.77	60	1062	
15 mins	Inflow	15	3.9285	60	3535.65	2208.15
	Outflow	0.5	1.77	60	1327.5	
20 mins	Inflow	20	3.62295	60	4347.54	2754.54
	Outflow	0.5	1.77	60	1593	
30 mins	Inflow	30	3.01185	60	5421.33	3297.33
	Outflow	0.5	1.77	60	2124	
40 mins	Inflow	40	2.5317	60	6076.08	3421.08
	Outflow	0.5	1.77	60	2655	
50 mins	Inflow	50	2.1825	60	6547.5	3361.5
	Outflow	0.5	1.77	60	3186	
60 mins	Inflow	60	1.96425	60	7071.3	3354.3
	Outflow	0.5	1.77	60	3717	
70 mins	Inflow	70	1.746	60	7333.2	3085.2
	Outflow	0.5	1.77	60	4248	
80 mins	Inflow	80	1.61505	60	7752.24	2973.24
	Outflow	0.5	1.77	60	4779	
90 mins	Inflow	90	1.52775	60	8249.85	2939.85
	Outflow	0.5	1.77	60	5310	
100 mins	Inflow	100	1.4841	60	8904.6	3063.6
	Outflow	0.5	1.77	60	5841	
110 mins	Inflow	110	1.3968	60	9218.88	2846.88
	Outflow	0.5	1.77	60	6372	

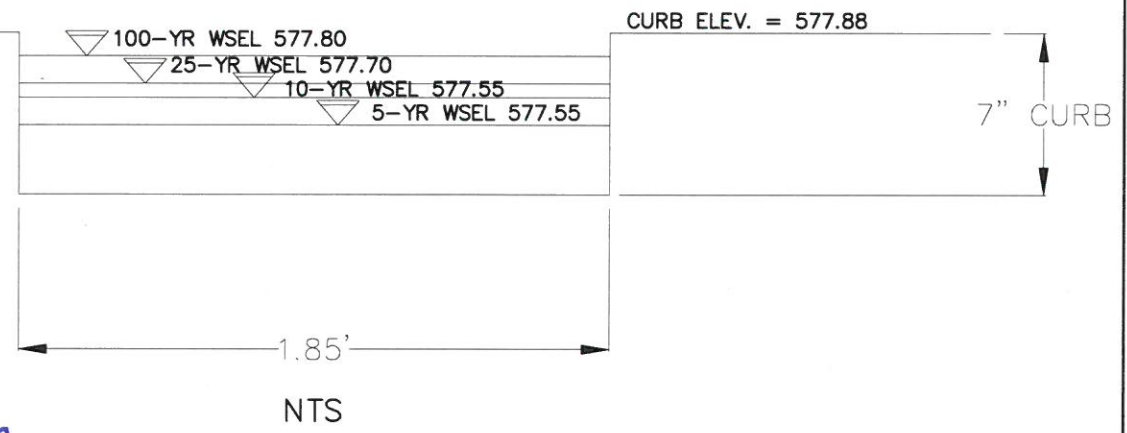
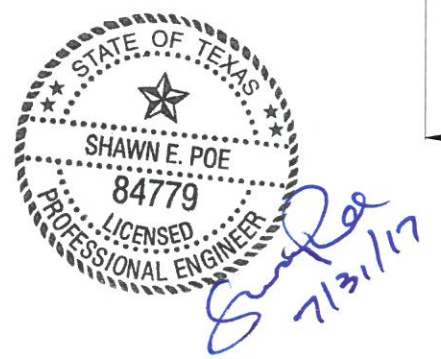
Maximum Required

OUTFALL STRUCTURE CALCULATION

Rectangular Weir
Q = C_wH^{1.5}
Q = Flow (cfs)
C = 2.70
L = Weir Length (ft)
H = Depth (ft)

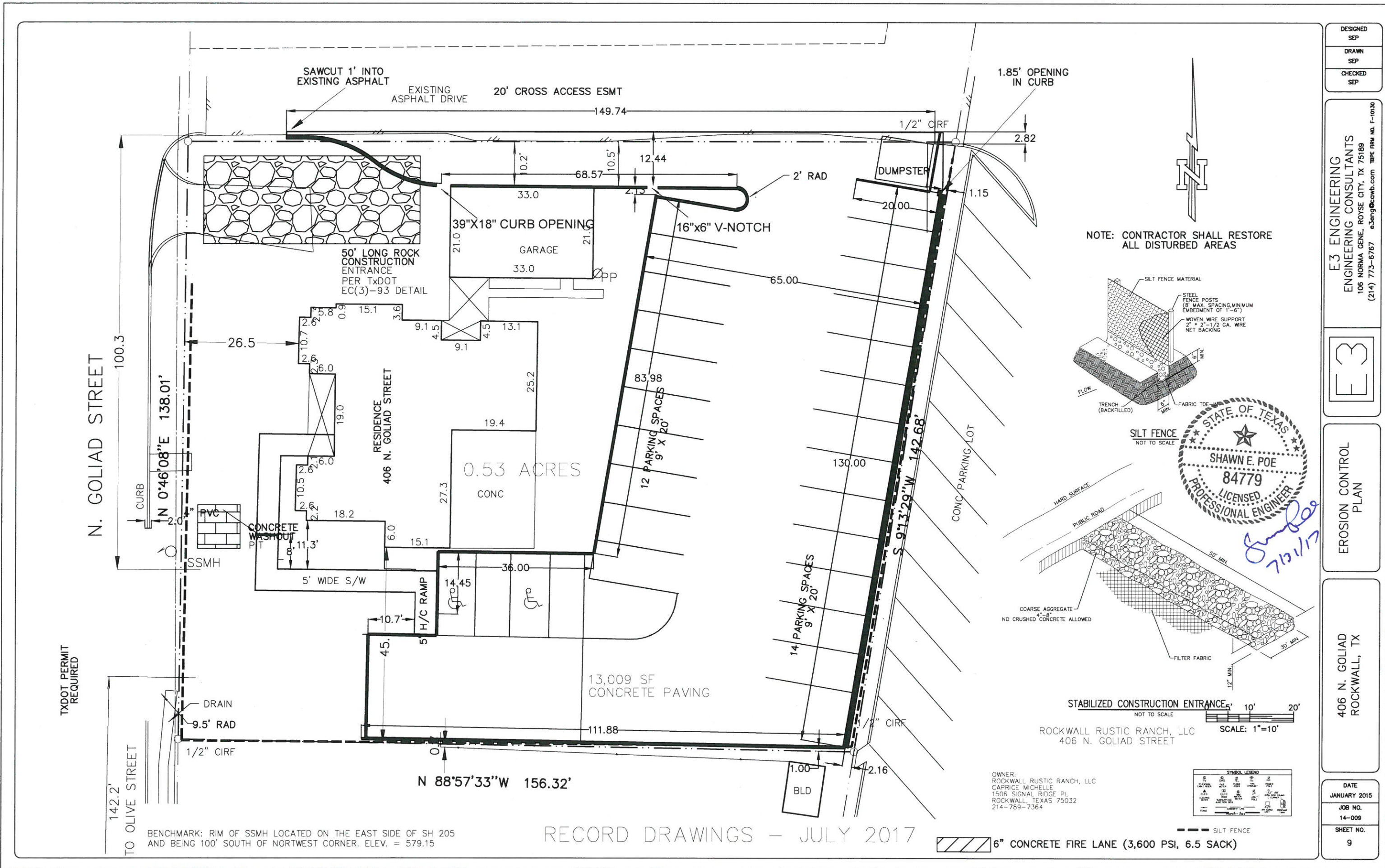
EVENT	C	L	H	Q actual	Q allow
5	2.7	1.85	0.25	0.62	1.05
10	2.7	1.85	0.35	1.03	1.26
25	2.7	1.85	0.4	1.26	1.40
100	2.7	1.85	0.5	1.77	1.77

NOTE: DETENTION FACILITY IS TO BE FULLY INSTALLED AND FUNCTIONING PRIOR TO ANY OTHER PAVING



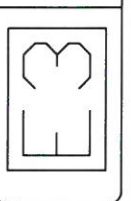
E3 ENGINEERING
106 NORMA GENE
ROYSE CITY, TX 75189
214-773-6767 TX REG. #F-10130

RECORD DRAWINGS - JULY 2017



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ENGINEERING CONSULTANTS
106 NORMA GENE, ROYSE CITY, TX 75189
(214) 773-6767 e3eng@cowb.com T&E PRM NO. F-10130

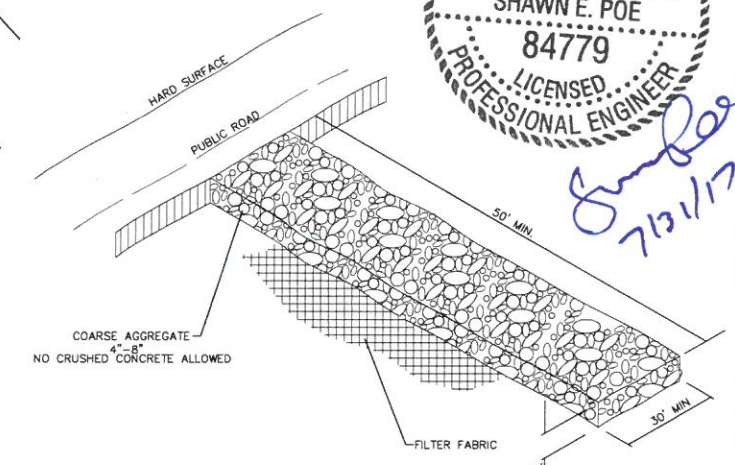
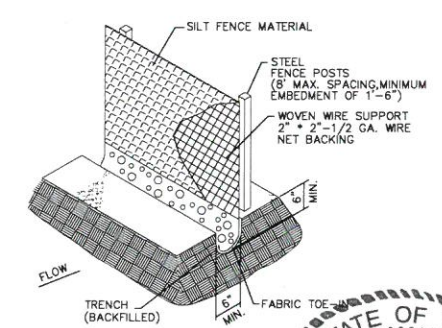


EROSION CONTROL
PLAN

406 N. GOLIAD
ROCKWALL, TX

DATE
JANUARY 2015
JOB NO.
14-009
SHEET NO.
9

NOTE: CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS



STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE
SCALE: 1"=10'

ROCKWALL RUSTIC RANCH, LLC
406 N. GOLIAD STREET

OWNER:
ROCKWALL RUSTIC RANCH, LLC
CAPRICE MICHELLE
1506 SIGNAL RIDGE PL
ROCKWALL, TEXAS 75032
214-789-7364

SYMBOL LEGEND	
[Symbol]	6" CONCRETE FIRE LANE (3,600 PSI, 6.5 SACK)
[Symbol]	SILT FENCE

6" CONCRETE FIRE LANE (3,600 PSI, 6.5 SACK)

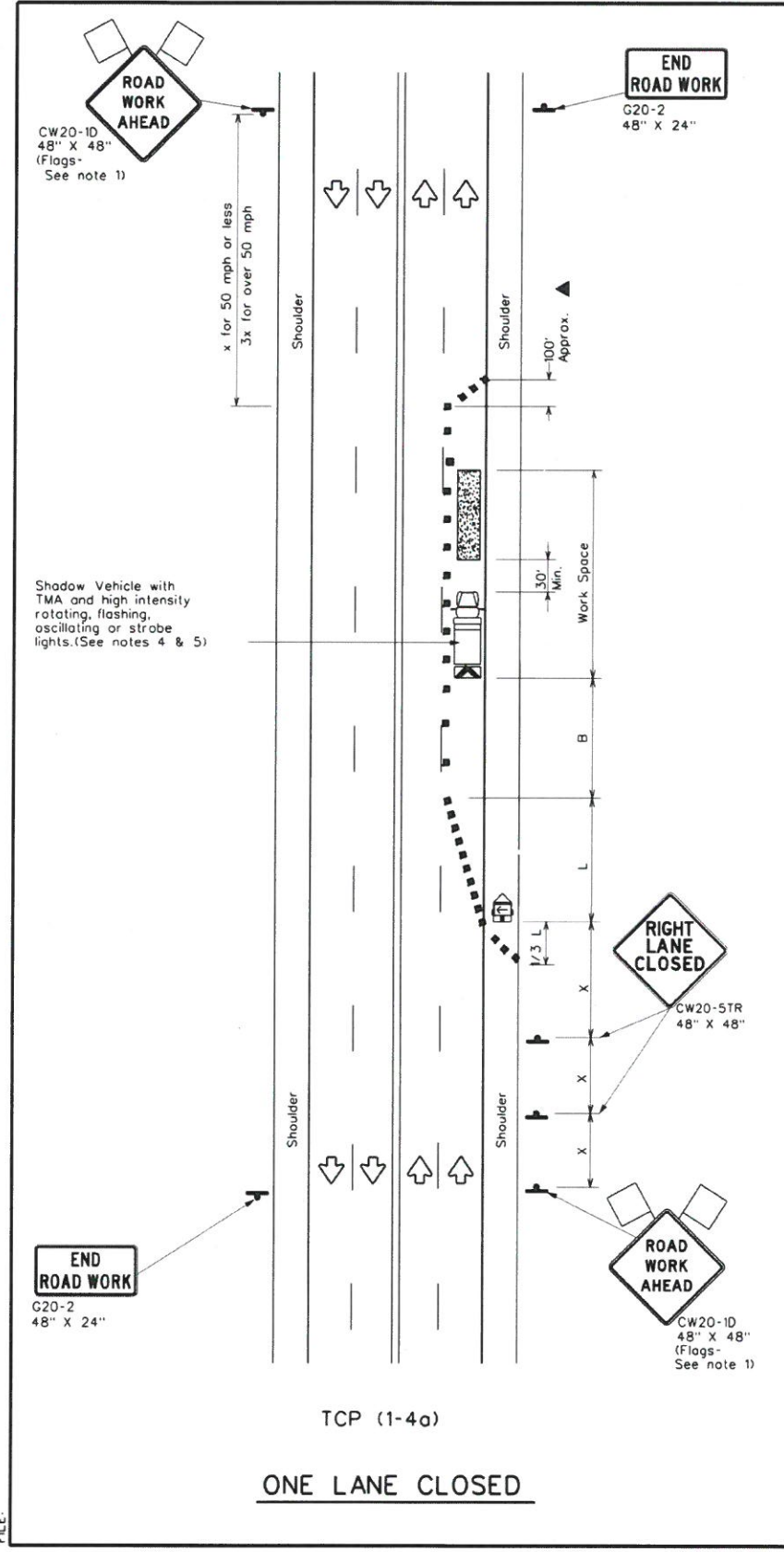
RECORD DRAWINGS - JULY 2017

BENCHMARK: RIM OF SSMH LOCATED ON THE EAST SIDE OF SH 205 AND BEING 100' SOUTH OF NORTHWEST CORNER. ELEV. = 579.15

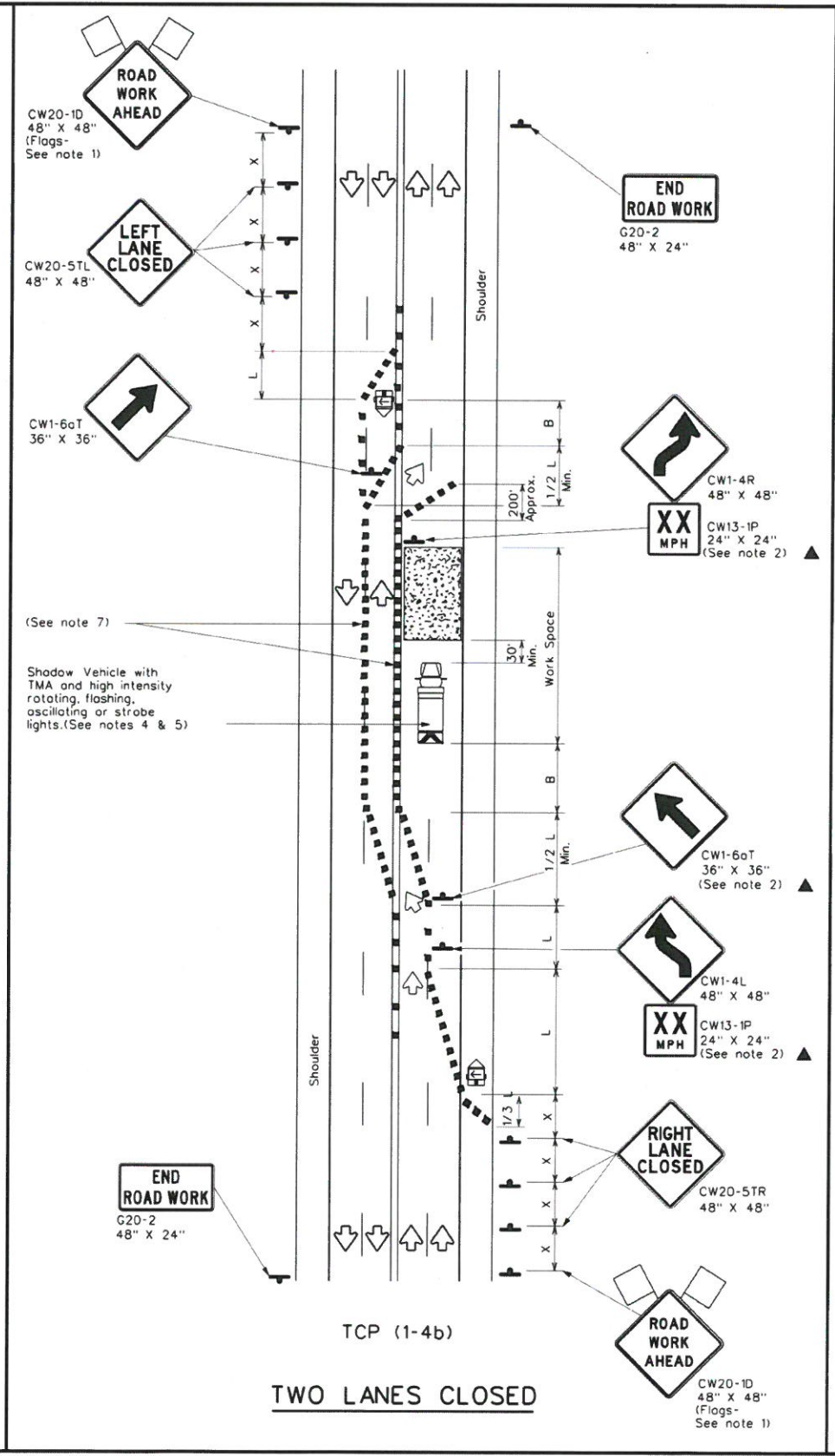
TXDOT PERMIT
REQUIRED

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DATE:
FILE:



TCP (1-4a)
ONE LANE CLOSED



TCP (1-4b)
TWO LANES CLOSED

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

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

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

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

- GENERAL NOTES**
- Flags attached to signs where shown are REQUIRED.
 - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
 - The CW20-1D "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
 - A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
 - Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- TCP (1-4a)**
- If this TCP is used for a left lane closure, CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline where needed to protect the work space from opposing traffic with the arrow panel placed in the closed lane near the end of the merging taper.
- TCP (1-4b)**
- Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2S where S is the speed in mph. This lighter device spacing is intended for the areas of conflicting markings, not the entire work zone.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502. Barricades, Signs and Traffic Handling.

Texas Department of Transportation
 Traffic Operations Division

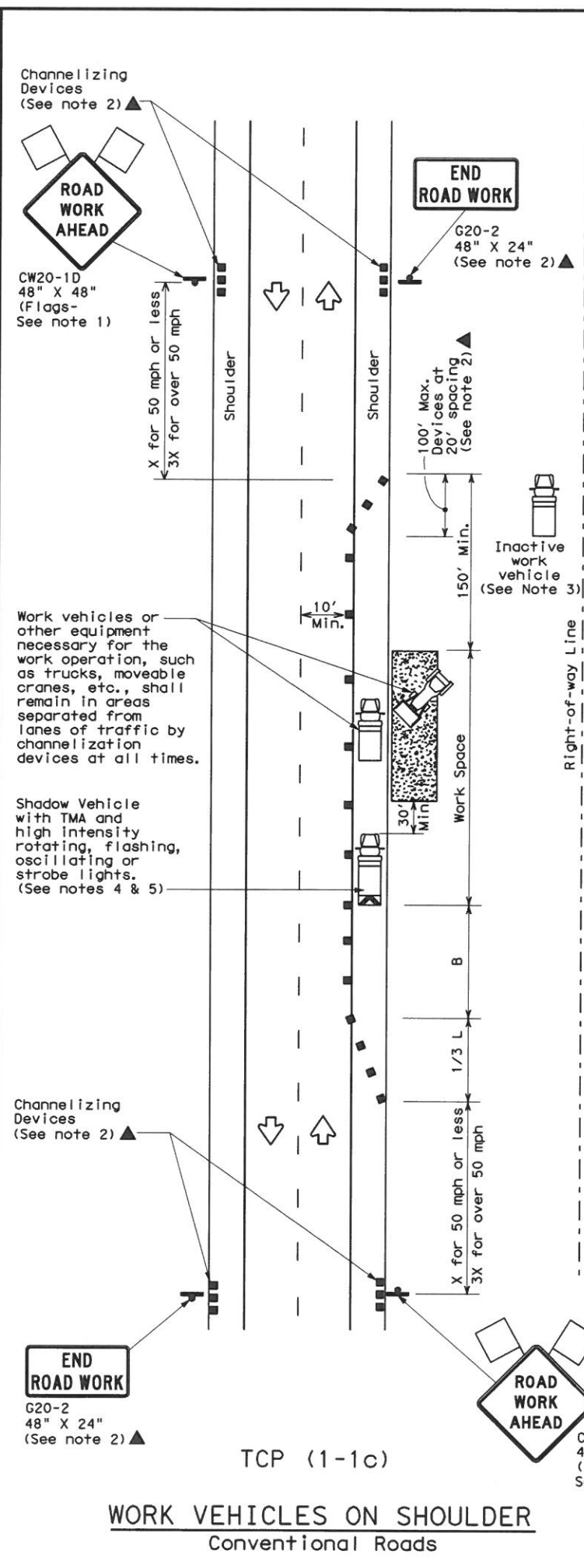
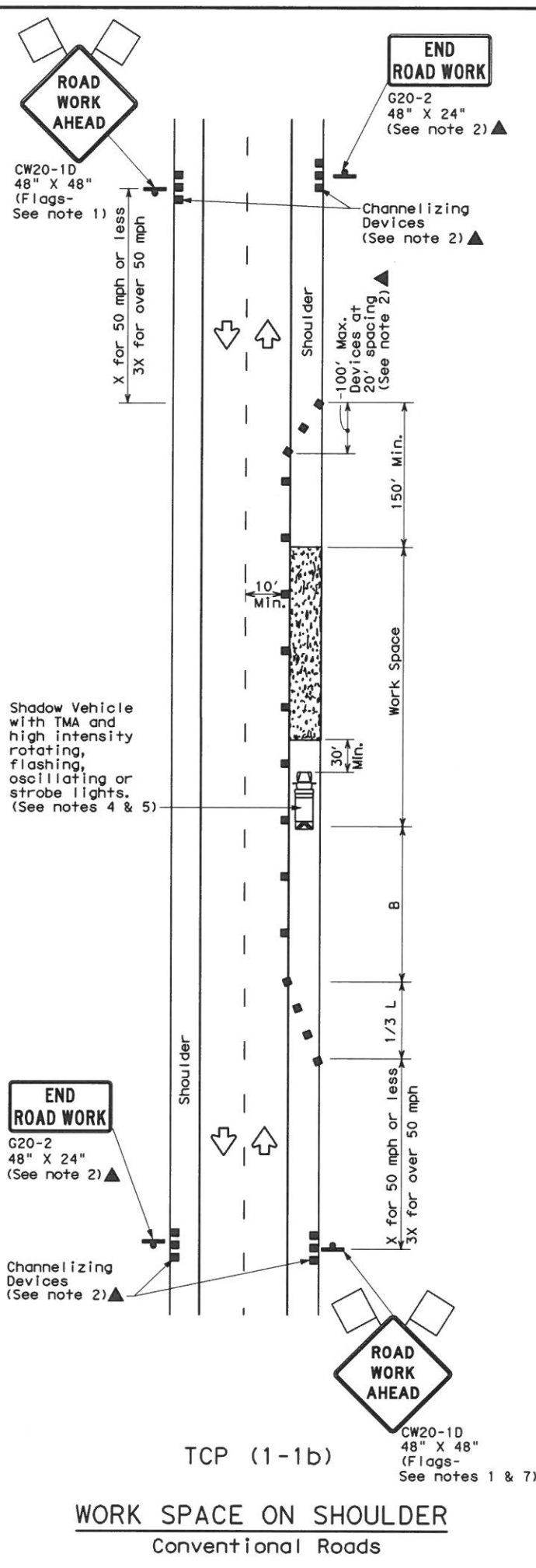
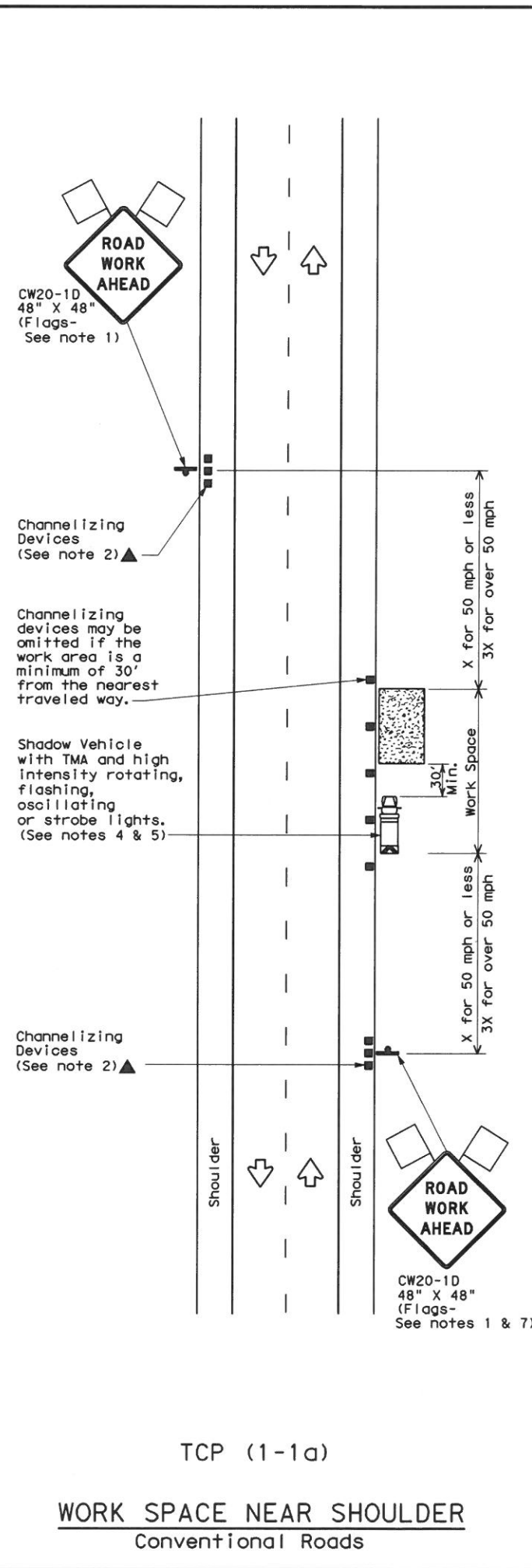
TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE
CONVENTIONAL ROADS
TCP(1-4)-12

© TxDOT December 1985	DN: TxDOT	CK: TxDOT	BW: TxDOT	CA: TxDOT
REVISIONS	CONT	SECT	JOB	HIGHWAY
2-94 2-12				
8-95				
1-97				
4-98				
	DIST	COUNTY		SHEET NO.

SH. 10

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DATE: FILE:



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

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

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

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

GENERAL NOTES

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

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

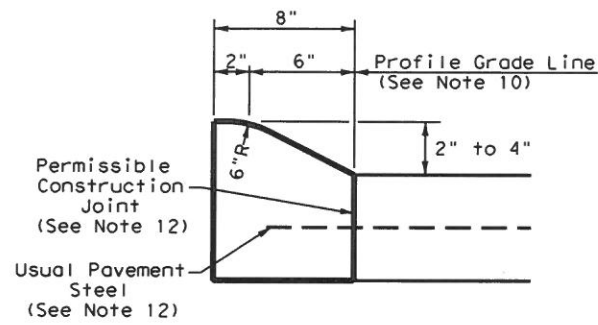
Texas Department of Transportation
 Traffic Operations Division

TRAFFIC CONTROL PLAN
CONVENTIONAL ROAD
SHOULDER WORK

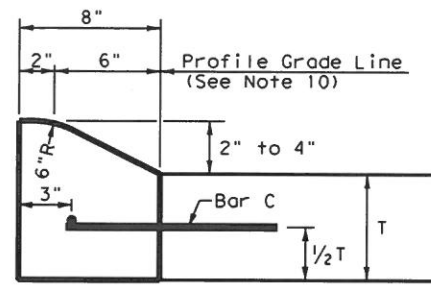
TCP (1-1)-12

© TxDOT December 1985		DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
REVISIONS		CONT	SECT	JOB	HIGHWAY
2-94	2-12				
8-95					
1-97					
4-98	SH.11				
		DIST	COUNTY	SHEET NO.	

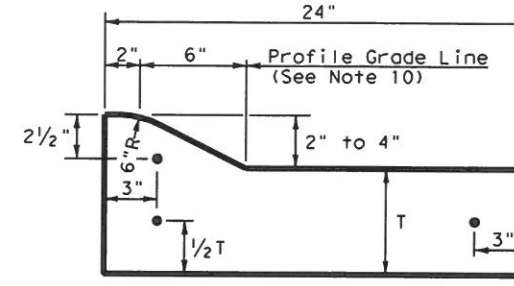
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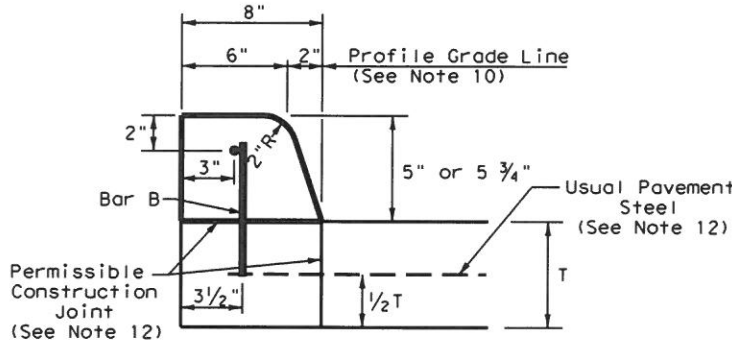
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2" - 4" HEIGHT



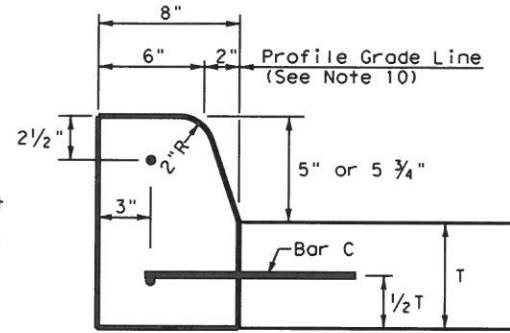
TYPE I CURB
2" - 4" HEIGHT



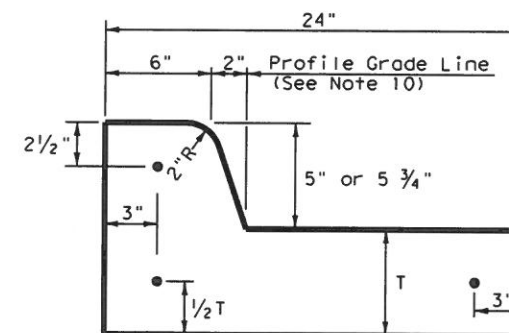
TYPE I CURB AND GUTTER
2" - 4" HEIGHT



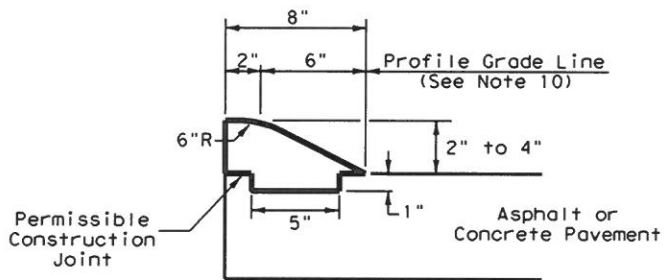
TYPE II CURB (MONOLITHIC)
5" - 5 3/4" HEIGHT



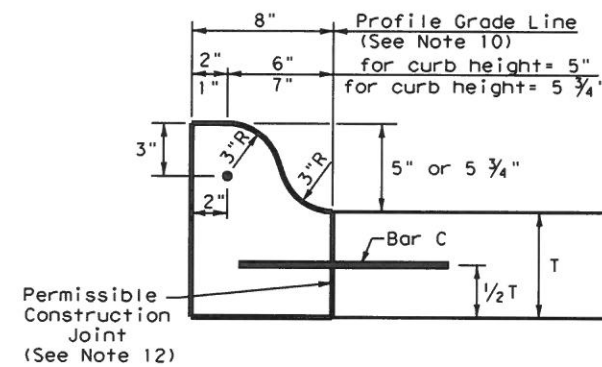
TYPE II CURB
5" - 5 3/4" HEIGHT



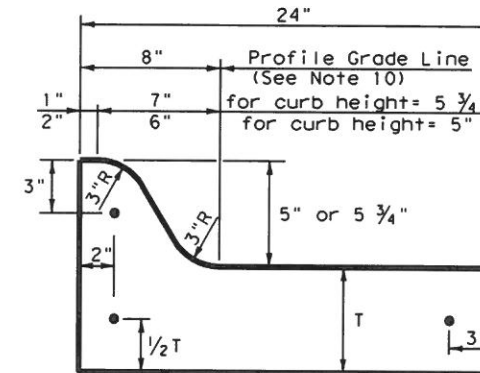
TYPE II CURB AND GUTTER
5" - 5 3/4" HEIGHT



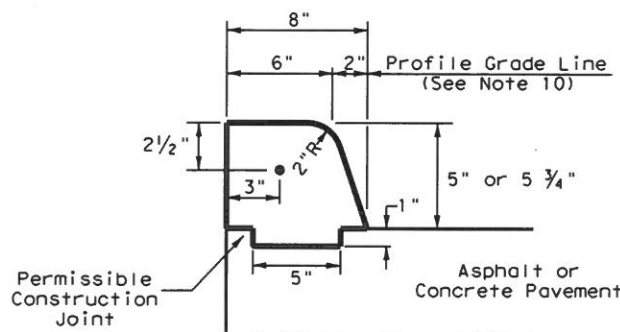
TYPE III CURB (KEYED)
2" - 4" HEIGHT



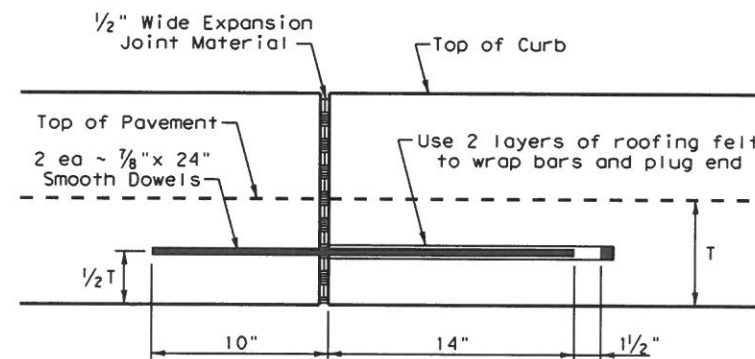
TYPE IIIa CURB
5" - 5 3/4" HEIGHT



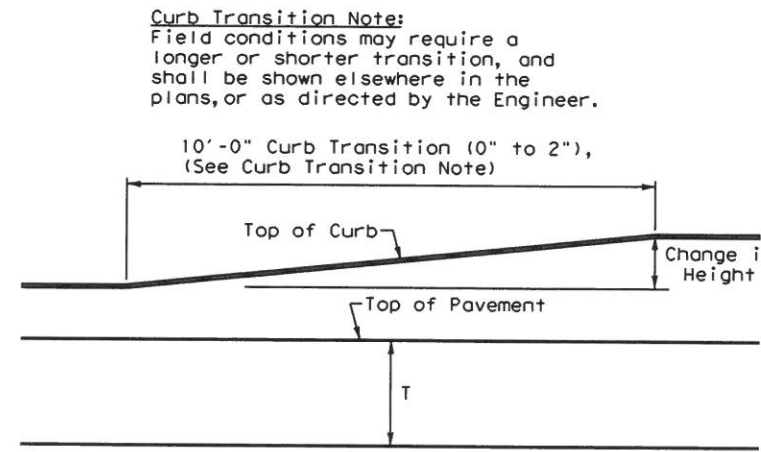
TYPE IIIa CURB AND GUTTER
5" - 5 3/4" HEIGHT



TYPE IV CURB (KEYED)
5" - 5 3/4" HEIGHT



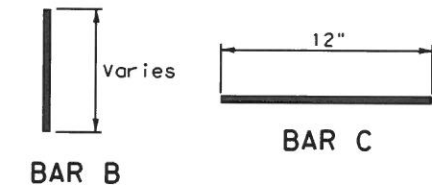
EXPANSION JOINT DETAIL



CURB TRANSITION
Note: To be paid for as Highest Curb

General Notes

1. All materials and construction shall be in accordance with Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter."
2. Concrete shall be Class A.
3. When reinforcing bars are used, they shall be No.4 unless otherwise shown. The use of synthetic fiber in lieu of steel reinforcing is acceptable, provided the fiber producer is on the Department Producer List (MPL), maintained by TxDOT, Construction Division.
4. Round exposed sharp edges with a rounding tool, to a minimum radius of 1/4 inch.
5. All existing curbs and driveways to be removed shall be sawed or removed at existing joints.
6. Where concrete curb is placed on existing concrete pavement, the pavement shall be drilled and the reinforcing bars grouted in place.
7. Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or curb and gutter is not adjacent to concrete pavement, expansion joints shall be provided at structures, curb returns at streets, and at locations directed by The Engineer.
8. Vertical and horizontal dowel bars and transverse reinforcing bars shall be placed at four feet C-C.
9. Dimension 'T' shown is the thickness of concrete pavement. When curb is installed adjacent to flexible pavement dimension 'T' is 8" maximum.
10. Usual profile grade line. Refer to typical sections and plan-profile sheets for exact locations.
11. One-half inch expansion joint material shall be provided where curb or curb and gutter is adjacent to sidewalk or riprap.
12. When vertical permissible construction joints are used, resulting in a longitudinal construction joint in the pavement, the longitudinal pavement steel shall be placed in accordance with pavement details shown elsewhere in the plans for longitudinal construction joints. Reinforcing steel for curb section shall then conform to that required for concrete curb.

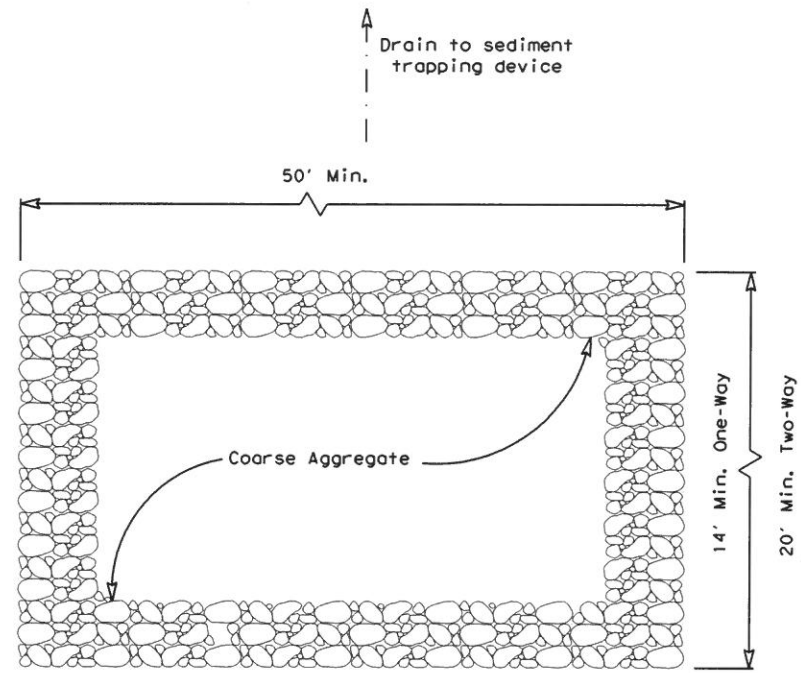


Curb Transition Note:
Field conditions may require a longer or shorter transition, and shall be shown elsewhere in the plans, or as directed by the Engineer.

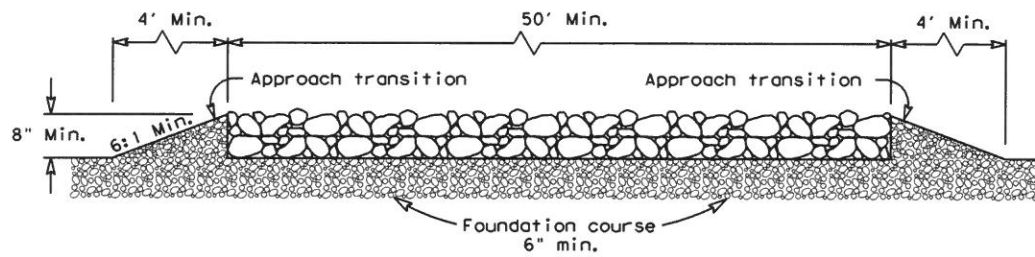
		Design Division Standard	
<h2>CONCRETE CURB AND GUTTER</h2> <h3>CCCG-12</h3>			
FILE: cccg12.dgn	DN: TxDOT	CK: AM	DW: VP
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UPDATED 2012 - VP	DIST	COUNTY	SHEET NO.
<p>SH.12</p>			

DATE: FILE:

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PLAN VIEW

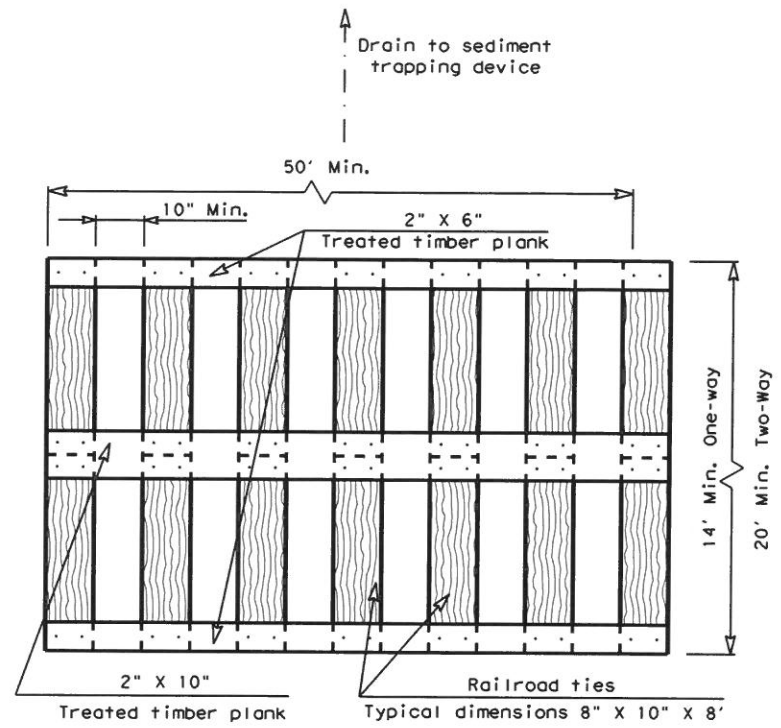


ELEVATION VIEW

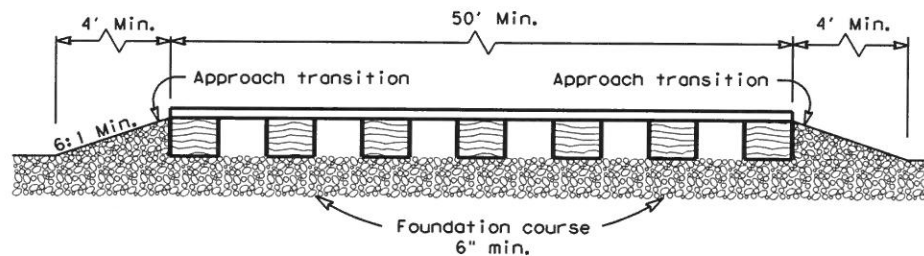
CONSTRUCTION EXIT (TYPE 1)
ROCK CONSTRUCTION (LONG TERM)

GENERAL NOTES (TYPE 1)

1. The length of the type 1 construction exit shall be as indicated on the plans, but not less than 50'.
2. The coarse aggregate should be open graded with a size of 4" to 8".
3. The approach transitions should be no steeper than 6:1 and constructed as directed by the Engineer.
4. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other materials approved by the Engineer.
5. The construction exit shall be graded to allow drainage to a sediment trapping device.
6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.
7. Construct exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for the full width of the exit, or as directed by the engineer.



PLAN VIEW

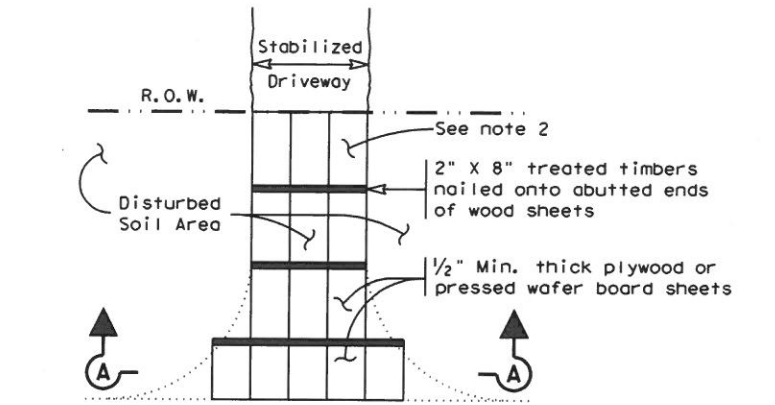


ELEVATION VIEW

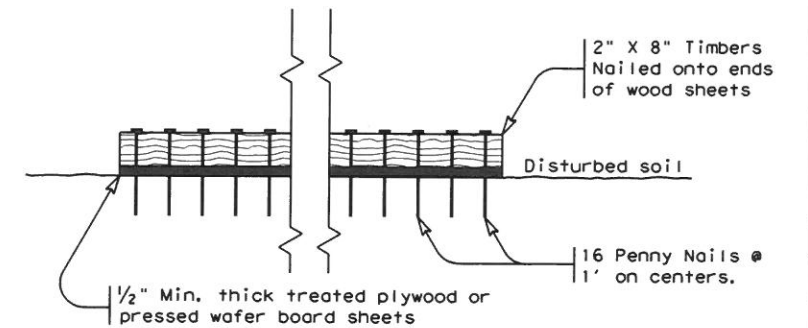
CONSTRUCTION EXIT (TYPE 2)
TIMBER CONSTRUCTION (LONG TERM)

GENERAL NOTES (TYPE 2)

1. The length of the type 2 construction exit shall be as indicated on the plans, but not less than 50'.
2. The treated timber planks shall be attached to the railroad ties with 1/2" x 6" min. lag bolts. Other fasteners may be used as approved by the Engineer.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The approach transitions shall be no steeper than 6:1 and constructed as directed by the Engineer.
5. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.
6. The construction exit should be graded to allow drainage to a sediment trapping device.
7. The guidelines shown hereon are suggestions only and may be modified by the Engineer.
8. Construct exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for the full width of the exit, or as directed by the engineer.



PLAN VIEW



SECTION A-A
CONSTRUCTION EXIT (TYPE 3)
SHORT TERM

GENERAL NOTES (TYPE 3)

1. The length of the type 3 construction exit shall be as shown on the plans, or as directed by the Engineer.
2. The type 3 construction exit may be constructed from open graded crushed stone with a size of two to four inches spread a min. of 4" thick to the limits shown on the plans.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

DATE: \$DATES
FILE: \$FILES

		Design Division Standard	
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES CONSTRUCTION EXITS EC(3)-16			
FILE: ec316	DN: TxDOT	CK: KM	DW: VP
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REVISIONS		HIGHWAY: \$HWYS	
\$ST	COUNTY: \$CTYS	SHEET NO.	\$EC(3A)-16

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