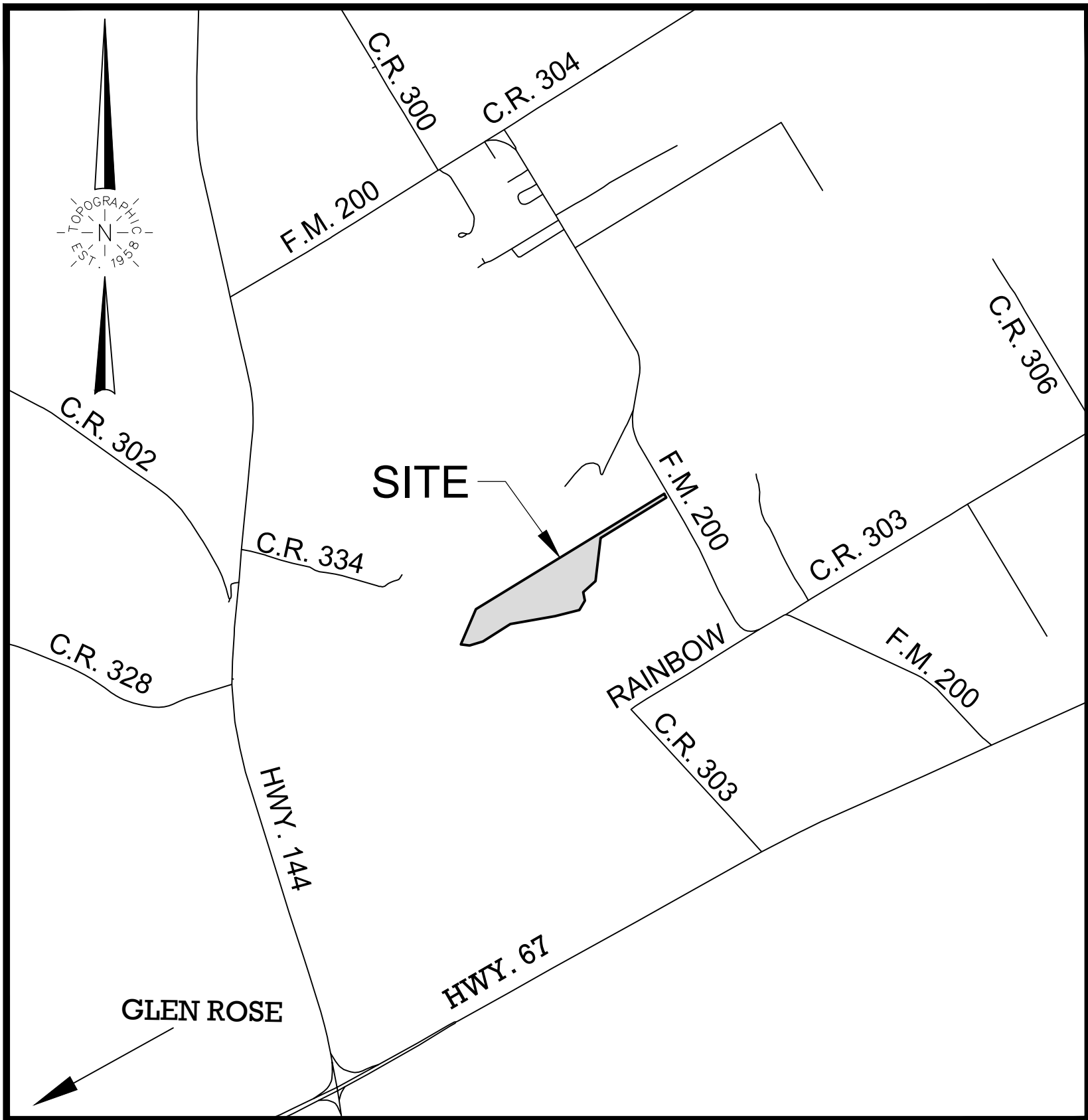


CIVIL CONSTRUCTION PLANS FOR SQUAW VALLEY ADDITION

SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS
COVER SHEET

DRAWING SHEET INDEX

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C2.2	PAVING PLAN & PROFILE - EAGLE COURT
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C8.2	WATER DETAILS



VICINITY MAP
NOT TO SCALE

IN
GLEN ROSE, TEXAS
SOMERVELLE COUNTY

ENGINEER/SURVEYOR:

TOPOGRAPHIC, CO.
1400 EVERMAN PARKWAY, STE. 146
FORT WORTH, TEXAS 76140
CONTACT: COURTNEY COATES, P.E.
PHONE: 817-744-7512

OWNER:

OAKTREE ASSETS, LLC
P.O. BOX 1671
DESOTO, DALLAS COUNTY TEXAS 75123

PREPARED BY:



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TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
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PERMIT SET
AUGUST 2022

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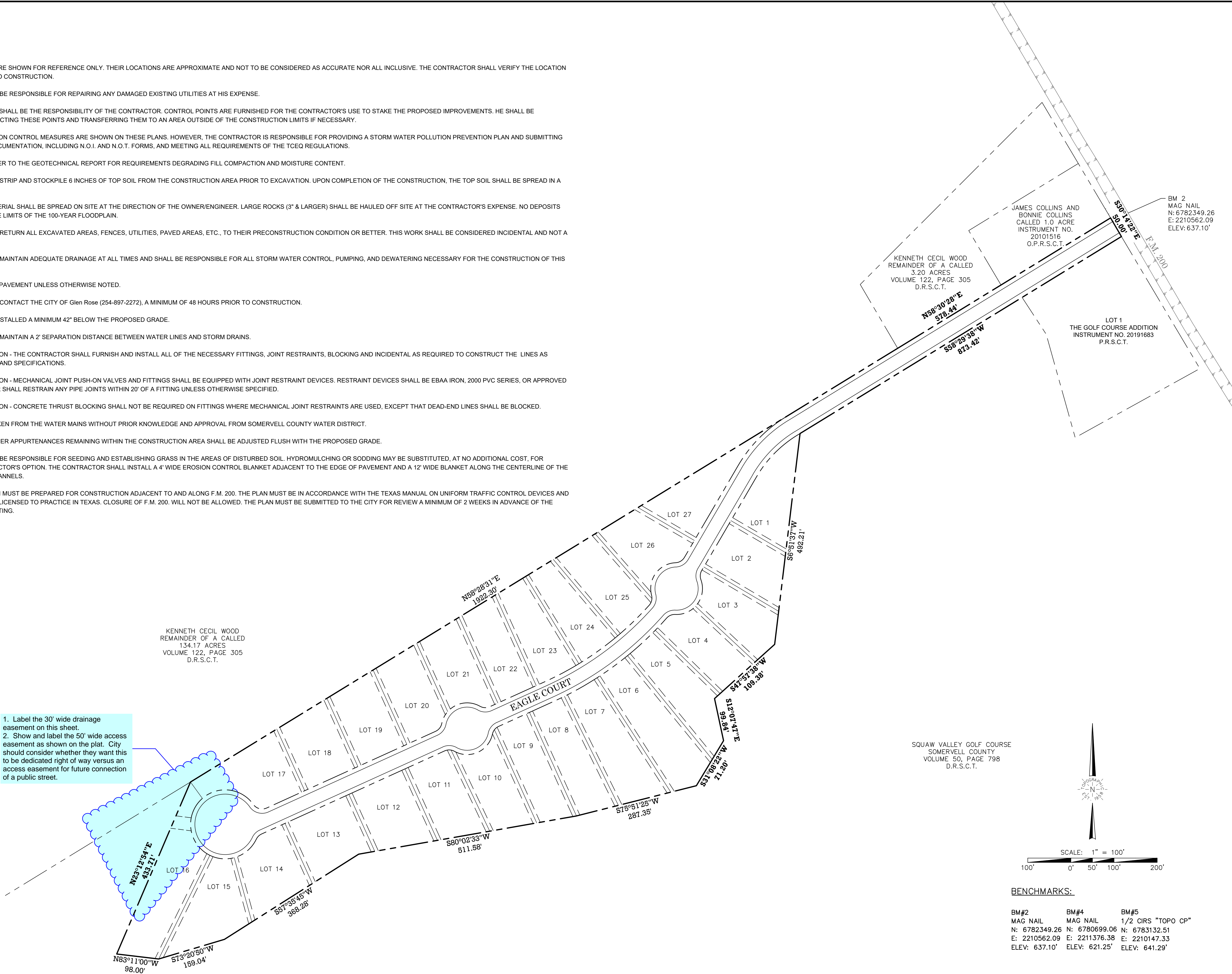
SHEET NO.

C0.1

GENERAL NOTES:

1. THE EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. THEIR LOCATIONS ARE APPROXIMATE AND NOT TO BE CONSIDERED AS ACCURATE NOR ALL INCLUSIVE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGED EXISTING UTILITIES AT HIS EXPENSE.
3. CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTROL POINTS ARE FURNISHED FOR THE CONTRACTOR'S USE TO STAKE THE PROPOSED IMPROVEMENTS. HE SHALL BE RESPONSIBLE FOR PROTECTING THESE POINTS AND TRANSFERRING THEM TO AN AREA OUTSIDE OF THE CONSTRUCTION LIMITS IF NECESSARY.
4. SOME SUGGESTED EROSION CONTROL MEASURES ARE SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A STORM WATER POLLUTION PREVENTION PLAN AND SUBMITTING ALL REQUIRED TPDES DOCUMENTATION, INCLUDING N.O.I. AND N.O.T. FORMS, AND MEETING ALL REQUIREMENTS OF THE TCEQ REGULATIONS.
5. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR REQUIREMENTS DEGRADING FILL COMPACTION AND MOISTURE CONTENT.
6. THE CONTRACTOR SHALL STRIP AND STOCKPILE 6 INCHES OF TOP SOIL FROM THE CONSTRUCTION AREA PRIOR TO EXCAVATION. UPON COMPLETION OF THE CONSTRUCTION, THE TOP SOIL SHALL BE SPREAD IN A WORKMANLIKE MANNER.
7. EXCESS EXCAVATED MATERIAL SHALL BE SPREAD ON SITE AT THE DIRECTION OF THE OWNER/ENGINEER. LARGE ROCKS (3" & LARGER) SHALL BE HAULED OFF SITE AT THE CONTRACTOR'S EXPENSE. NO DEPOSITS ARE ALLOWED WITHIN THE LIMITS OF THE 100-YEAR FLOODPLAIN.
8. THE CONTRACTOR SHALL RETURN ALL EXCAVATED AREAS, FENCES, UTILITIES, PAVED AREAS, ETC., TO THEIR PRECONSTRUCTION CONDITION OR BETTER. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NOT A SEPARATE ITEM.
9. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES AND SHALL BE RESPONSIBLE FOR ALL STORM WATER CONTROL, PUMPING, AND DEWATERING NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT.
10. ALL DIMENSIONS ARE TO PAVEMENT UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR SHALL CONTACT THE CITY OF Glen Rose (254-897-2272), A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
12. WATER LINES SHALL BE INSTALLED A MINIMUM 42" BELOW THE PROPOSED GRADE.
13. THE CONTRACTOR SHALL MAINTAIN A 2' SEPARATION DISTANCE BETWEEN WATER LINES AND STORM DRAINS.
14. WATER LINE CONSTRUCTION - THE CONTRACTOR SHALL FURNISH AND INSTALL ALL OF THE NECESSARY FITTINGS, JOINT RESTRAINTS, BLOCKING AND INCIDENTAL AS REQUIRED TO CONSTRUCT THE LINES AS SHOWN ON THESE PLANS AND SPECIFICATIONS.
15. WATER LINE CONSTRUCTION - MECHANICAL JOINT PUSH-ON VALVES AND FITTINGS SHALL BE EQUIPPED WITH JOINT RESTRAINT DEVICES. RESTRAINT DEVICES SHALL BE EBAA IRON, 2000 PVC SERIES, OR APPROVED EQUAL. THE CONTRACTOR SHALL RESTRAIN ANY PIPE JOINTS WITHIN 20' OF A FITTING UNLESS OTHERWISE SPECIFIED.
16. WATER LINE CONSTRUCTION - CONCRETE THRUST BLOCKING SHALL NOT BE REQUIRED ON FITTINGS WHERE MECHANICAL JOINT RESTRAINTS ARE USED, EXCEPT THAT DEAD-END LINES SHALL BE BLOCKED.
17. WATER SHALL NOT BE TAKEN FROM THE WATER MAINS WITHOUT PRIOR KNOWLEDGE AND APPROVAL FROM SOMERVELL COUNTY WATER DISTRICT.
18. ALL VALVE BOXES OR OTHER APPURTENANCES REMAINING WITHIN THE CONSTRUCTION AREA SHALL BE ADJUSTED FLUSH WITH THE PROPOSED GRADE.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING AND ESTABLISHING GRASS IN THE AREAS OF DISTURBED SOIL. HYDROMULCHING OR SODDING MAY BE SUBSTITUTED, AT NO ADDITIONAL COST, FOR SEEDING AT THE CONTRACTOR'S OPTION. THE CONTRACTOR SHALL INSTALL A 4' WIDE EROSION CONTROL BLANKET ADJACENT TO THE EDGE OF PAVEMENT AND A 12' WIDE BLANKET ALONG THE CENTERLINE OF THE PROPOSED DRAINAGE CHANNELS.
20. A TRAFFIC CONTROL PLAN MUST BE PREPARED FOR CONSTRUCTION ADJACENT TO AND ALONG F.M. 200. THE PLAN MUST BE IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SIGNED BY AN ENGINEER LICENSED TO PRACTICE IN TEXAS. CLOSURE OF F.M. 200. WILL NOT BE ALLOWED. THE PLAN MUST BE SUBMITTED TO THE CITY FOR REVIEW A MINIMUM OF 2 WEEKS IN ADVANCE OF THE PRE-CONSTRUCTION MEETING.

1. Label the 30' wide drainage easement on this sheet.
2. Show and label the 50' wide access easement as shown on the plat. City should consider whether they want this to be dedicated right of way versus an access easement for future connection of a public street.



BENCHMARKS:

BM#2	BM#4	BM#5
MAG NAIL	MAG NAIL	1/2 CIRS "TOPO CP"
N: 6782349.26	N: 6780699.06	N: 6783132.51
E: 2210562.09	E: 2211376.38	E: 2210147.33
ELEV: 637.10'	ELEV: 621.25'	ELEV: 641.29'

SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS

OVERALL LAYOUT - GENERAL NOTES

NO.	DATE	REVISION DESCRIPTION

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SHEET NO.

C1.1

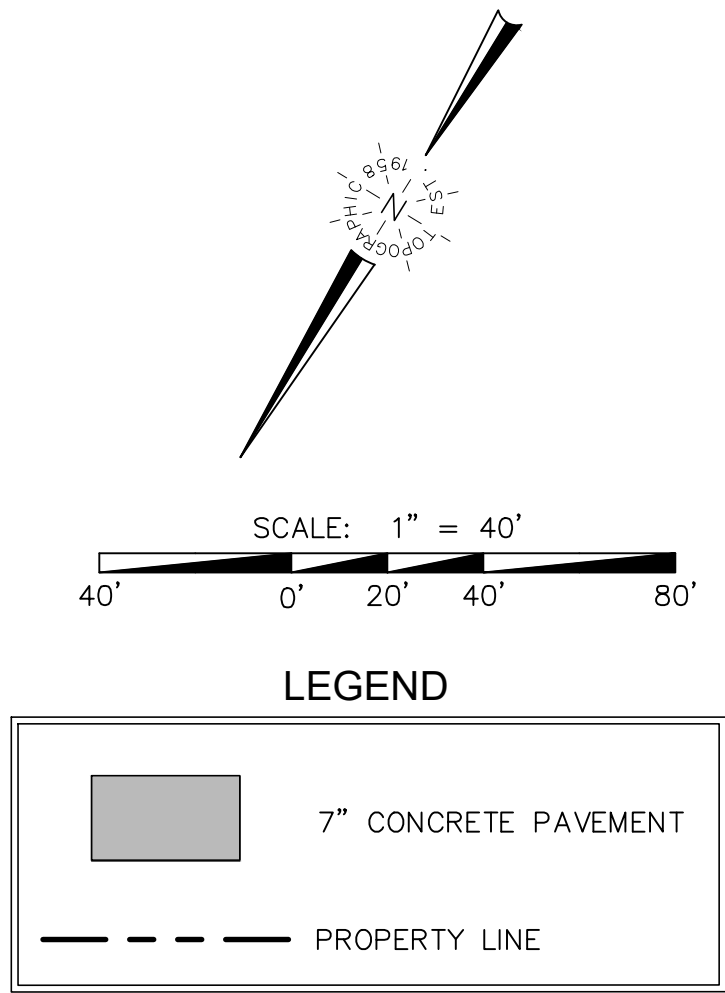
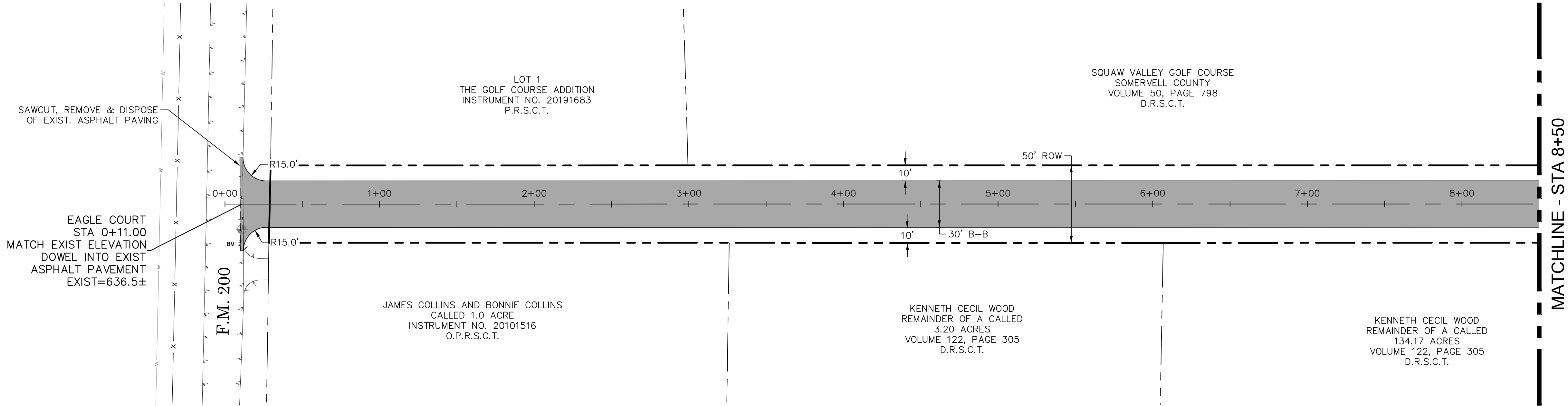
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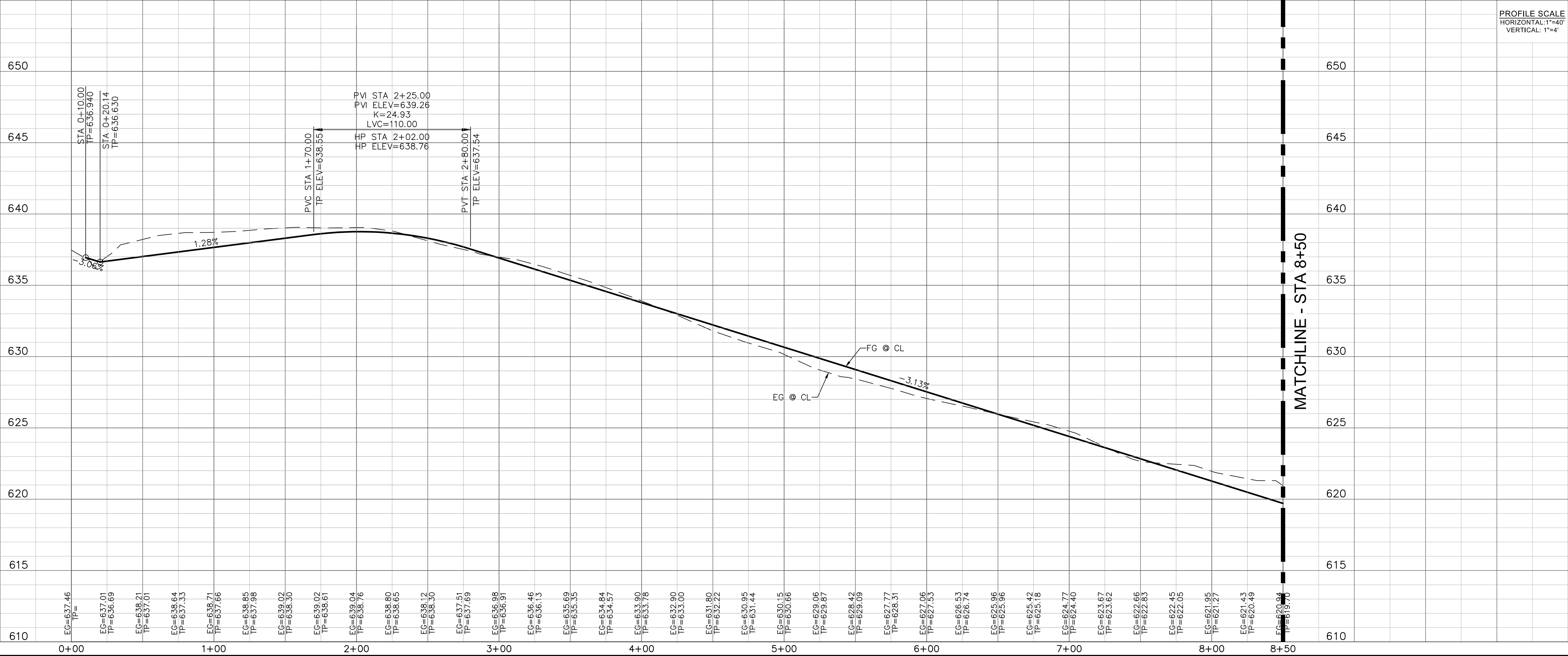
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EAGLE COURT



SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS

PAVING PLAN & PROFILE - EAGLE COURT

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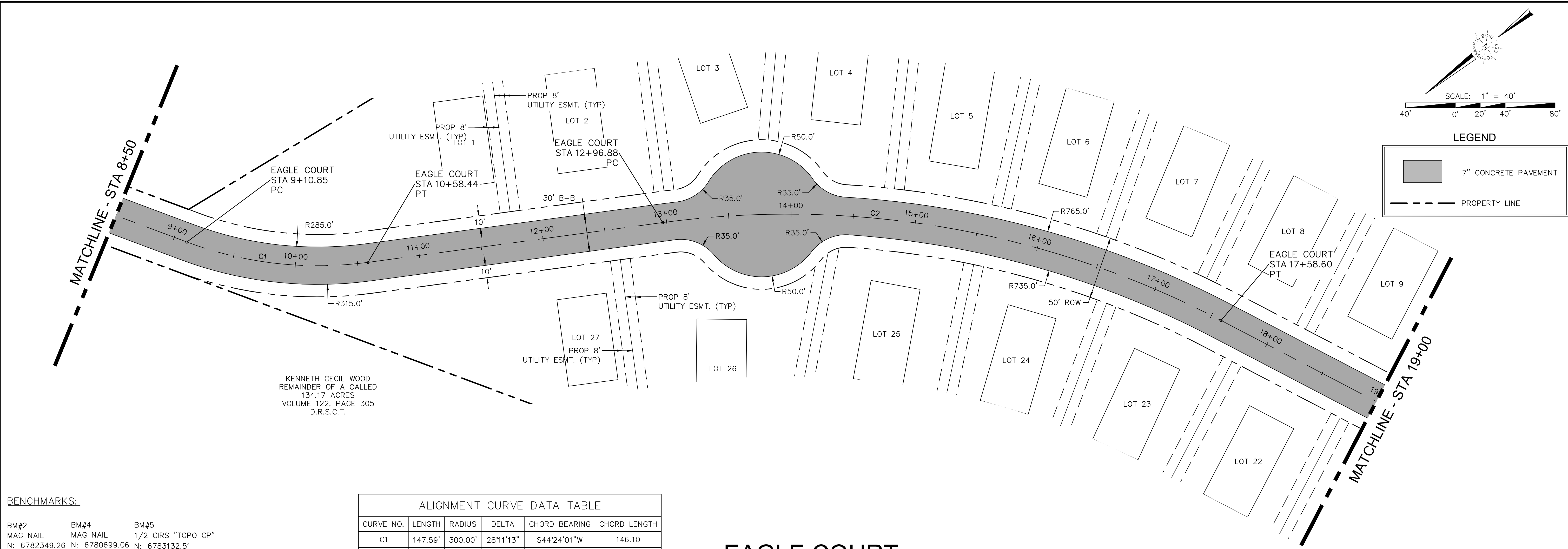
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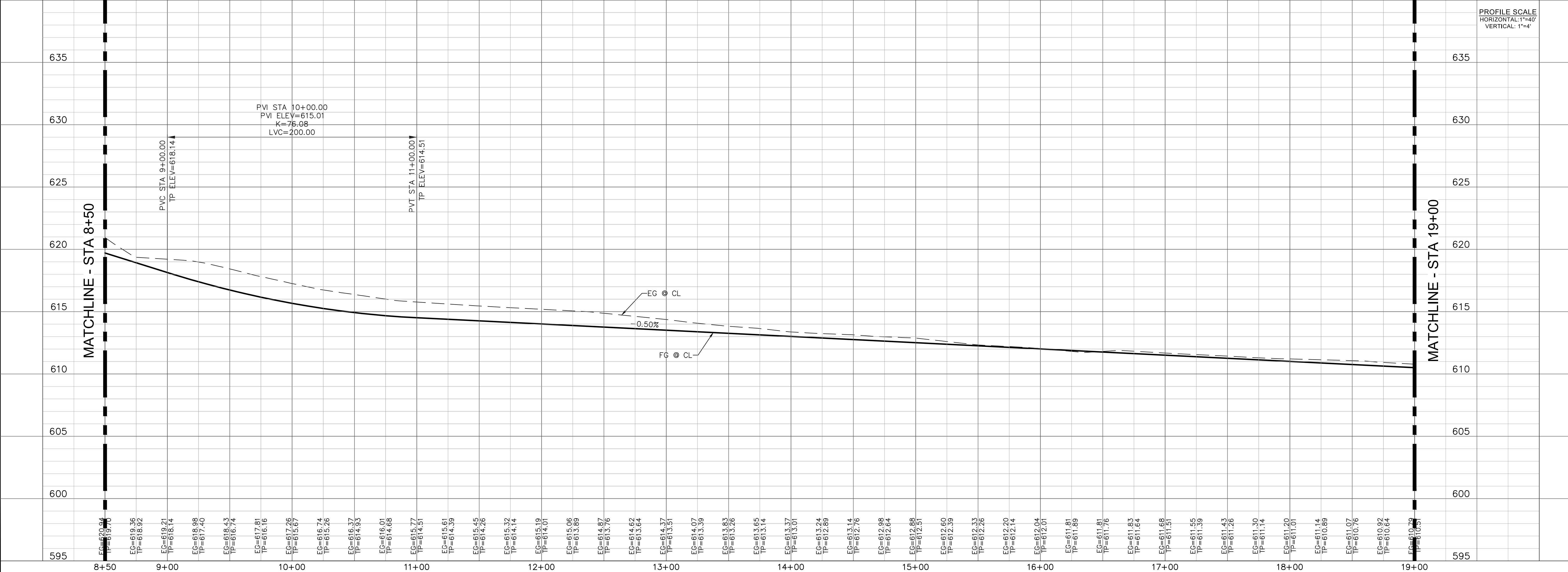


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BM#2 MAG NAIL N: 6782349.26 E: 2210562.09 ELEV: 637.10'	BM#4 MAG NAIL N: 6780699.06 E: 2211376.38 ELEV: 621.25'	BM#5 1/2 CIRS "TOPO CP" N: 6783132.51 E: 2210147.33 ELEV: 641.29'
---	---	---

ALIGNMENT CURVE DATA TABLE					
CURVE NO.	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	147.59'	300.00'	28°11'13"	S44°24'01"W	146.10
C2	461.72'	750.00'	35°16'22"	S47°56'35"W	454.46

EAGLE COURT



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C2.2

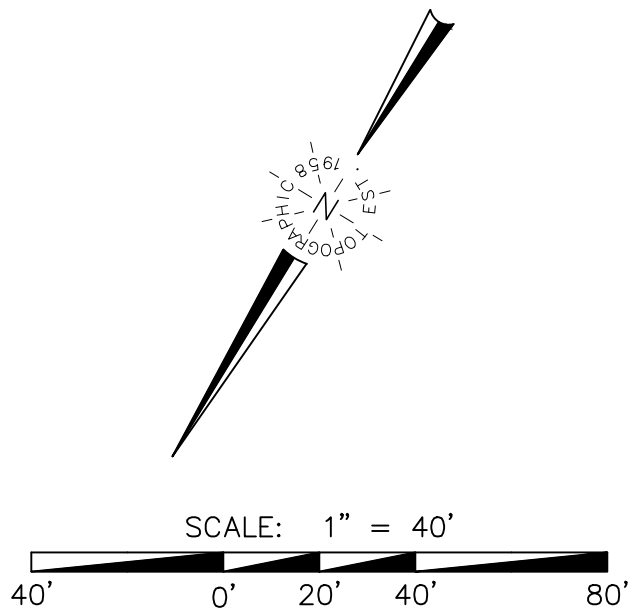
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BM#2	BM#4	BM#5
MAG NAIL	MAG NAIL	1/2 CIRS "TOPO CP"
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E: 2210562.09	E: 2211376.38	E: 2210147.33
ELEV: 637.10'	ELEV: 621.25'	ELEV: 641.29'



7" CONCRETE PAVEMENT

PROPERTY LINE

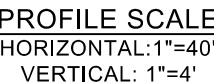


SQUAW VALLEY GOLF COURSE
SOMERVELL COUNTY
VOLUME 50, PAGE 798
D.R.S.C.T.

PROP 30'
DRAINAGE ESMT.

EAGLE COURT
STA 26+02.14
TP=607.13

EAGLE COURT



SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS

PAVING PLAN & PROFILE - EAGLE COURT

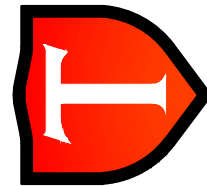
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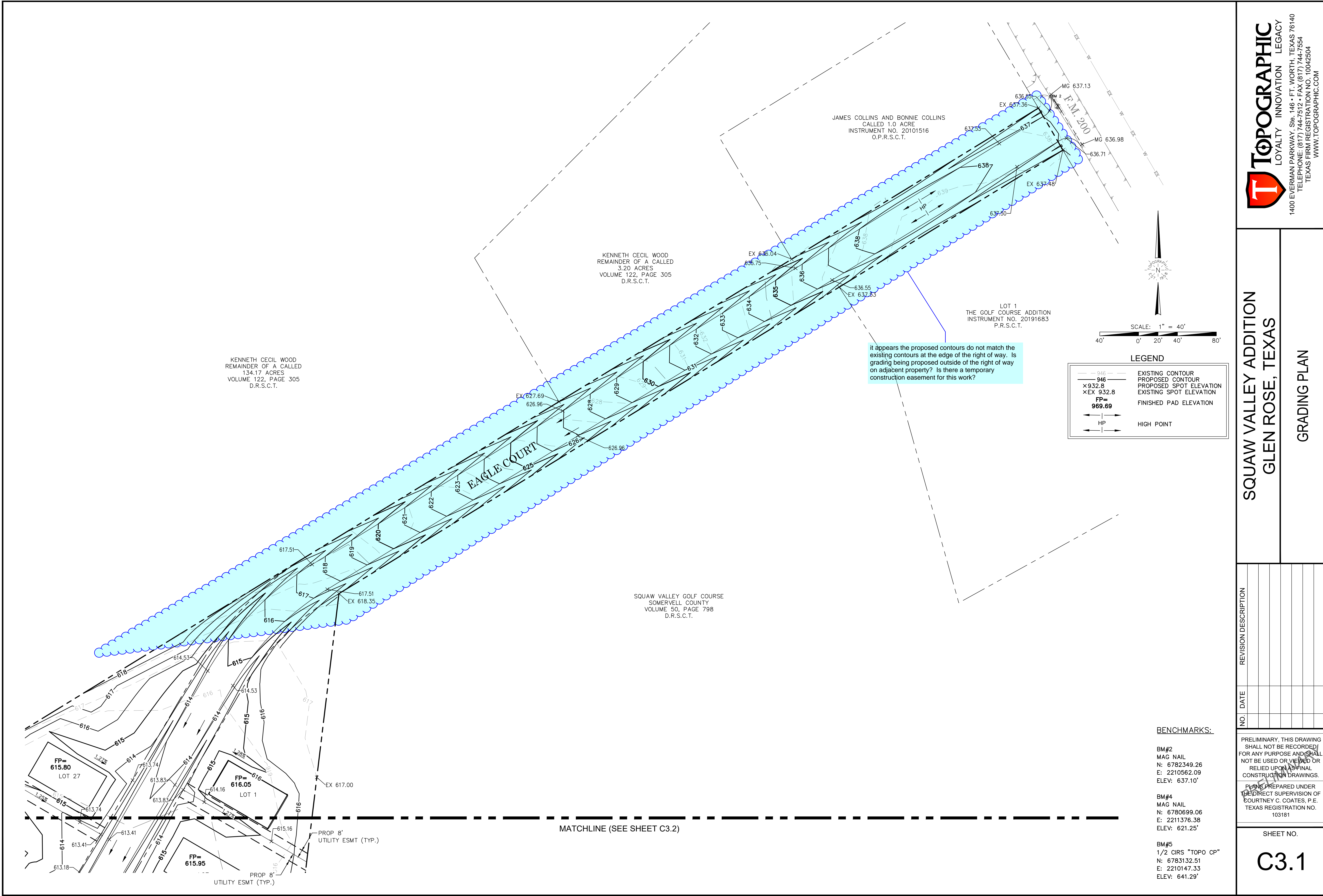
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— 946 —

946

× 932.8

× EX 932.8

FP= 969.69

HP

EXISTING CONTOUR

PROPOSED CONTOUR

PROPOSED SPOT ELEVATION

EXISTING SPOT ELEVATION

FINISHED PAD ELEVATION

HIGH POINT

40'

0'

20'

40'

80'

SCALE: 1" = 40'

N

TOPOGRAPHIC

BENCHMARKS:

BM#2

MAG NAIL

N: 6782349.26

E: 2210562.09

ELEV: 637.10'

BM#4

MAG NAIL

N: 6780699.06

E: 2211376.38

ELEV: 621.25'

BM#5

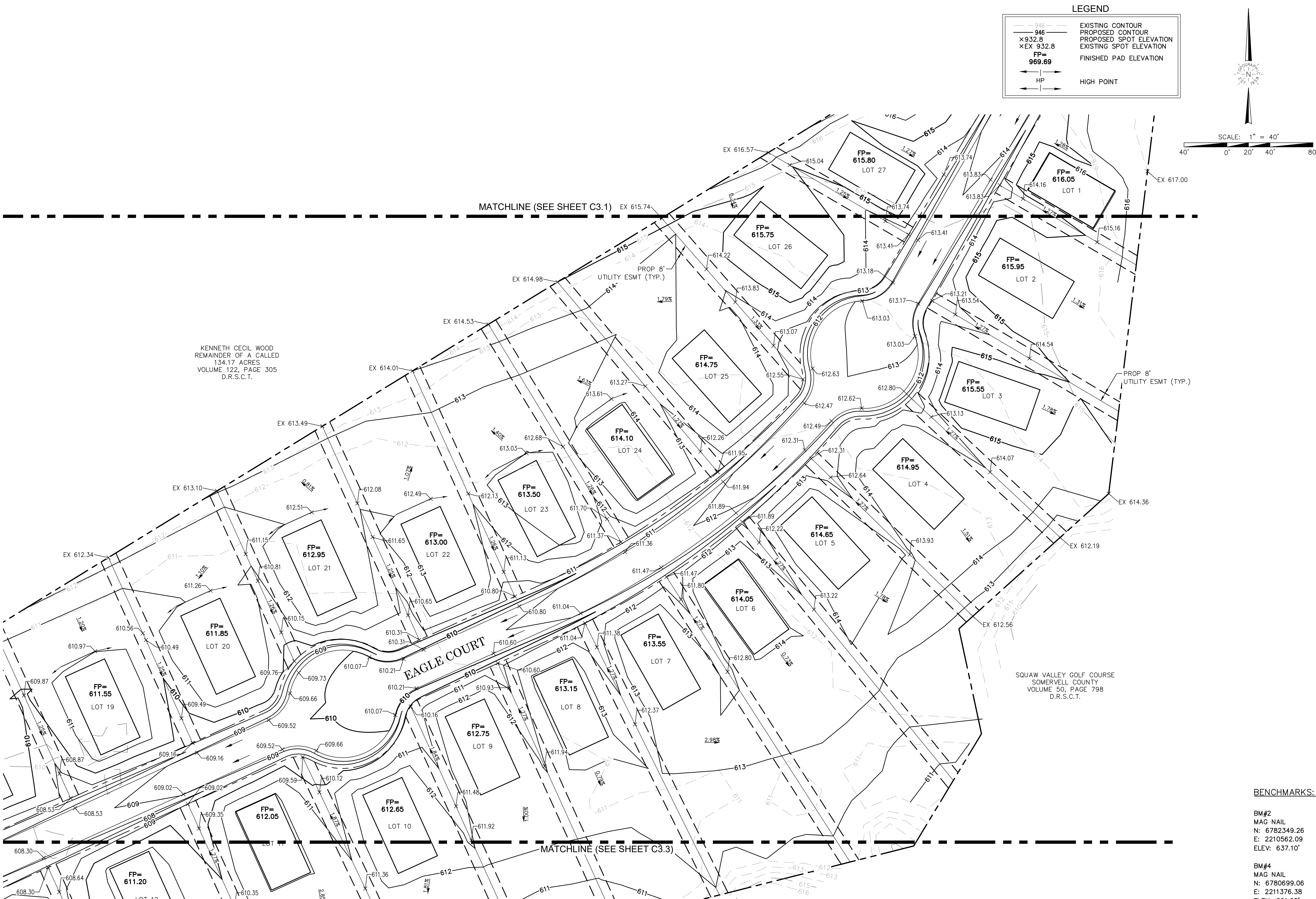
1/2 CIRS "TOPO CP"

N: 6783132.51

E: 2210147.33

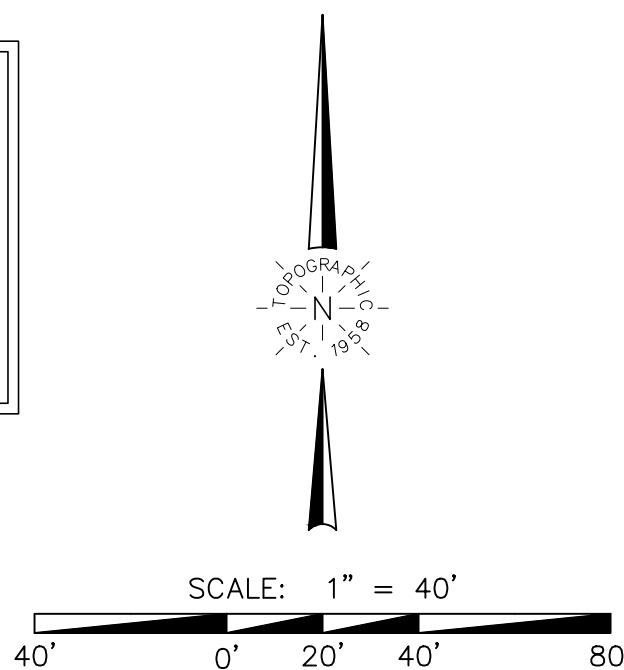
ELEV: 641.29'

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LEGEND

---	EXISTING CONTOUR
---	PROPOSED CONTOUR
× 932.8	PROPOSED SPOT ELEVATION
× EX 932.8	EXISTING SPOT ELEVATION
FP= 969.69	FINISHED PAD ELEVATION
HP	HIGH POINT



KENNETH CECIL WOOD
REMAINDER OF A CALLED
134.17 ACRES
VOLUME 122, PAGE 305
D.R.S.C.T.

SQUAW VALLEY GOLF COURSE
SOMERVELL COUNTY
VOLUME 50, PAGE 798
D.R.S.C.T.

BENCHMARKS:

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**SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS**

GRADING PLAN

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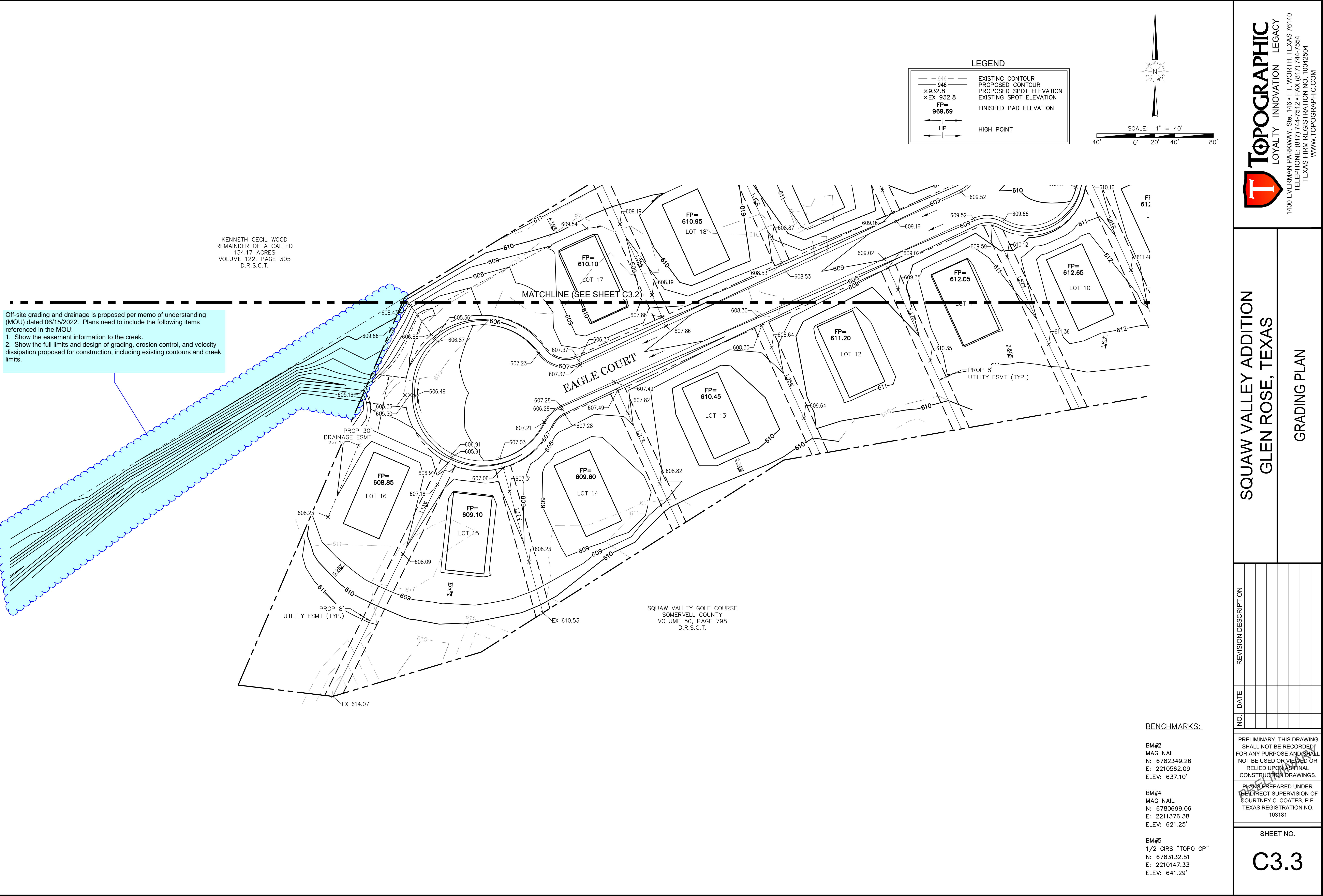
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GLEN ROSE, TEXAS
GRADING PLAN

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SHEET NO.
C3.3

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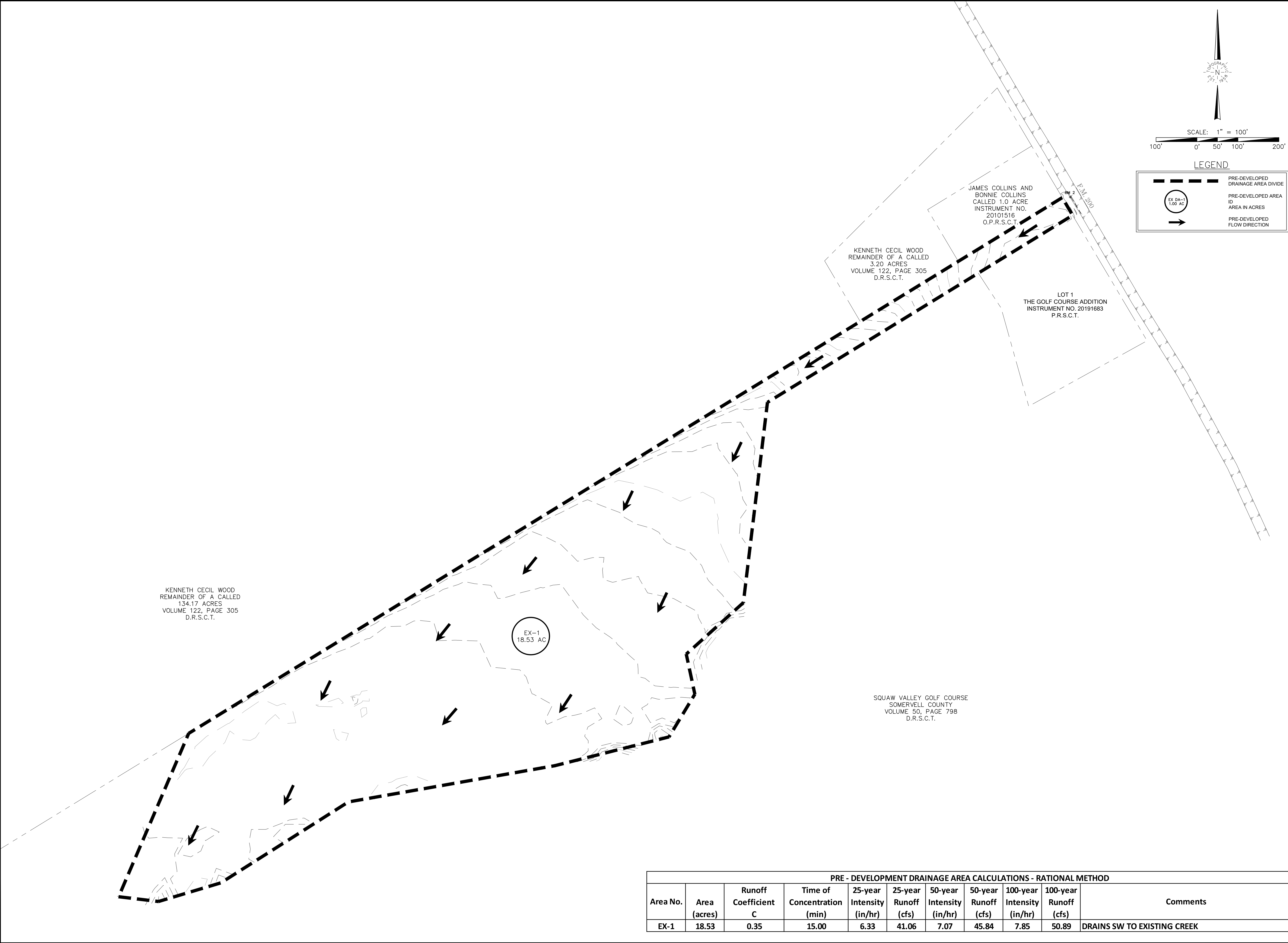
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TEXAS FIRM REGISTRATION NO. 10042504
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INNOVATION

LEGACY

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SQUAW VALLEY ADDITION

GLEN ROSE, TEXAS

PRE-DEVELOPMENT DRAINAGE MAP

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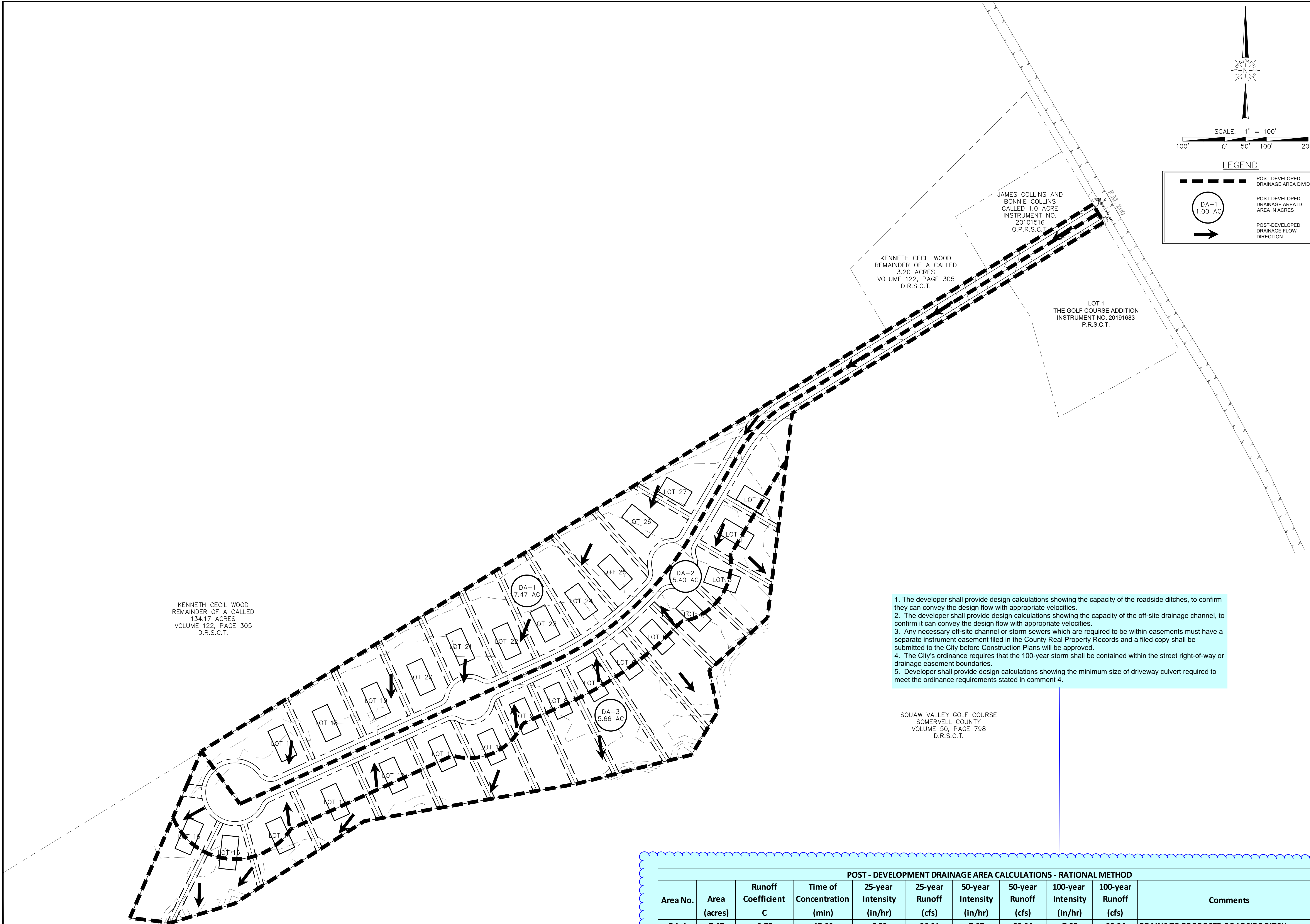
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SHEET NO.

C4.1

PRE - DEVELOPMENT DRAINAGE AREA CALCULATIONS - RATIONAL METHOD										
Area No.	Area (acres)	Runoff Coefficient C	Time of Concentration (min)	25-year Intensity (in/hr)	25-year Runoff (cfs)	50-year Intensity (in/hr)	50-year Runoff (cfs)	100-year Intensity (in/hr)	100-year Runoff (cfs)	Comments
EX-1	18.53	0.35	15.00	6.33	41.06	7.07	45.84	7.85	50.89	DRAINS SW TO EXISTING CREEK

S:\CIVIL\CJB_DEVELOPMENT_LL\OSQUAW_VALLEY\CIVIL\PLAN SHEETS\SV-DRAINAGE DWG 7/18/2022 2:52 PM alex.castillo



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**SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS
POST-DEVELOPMENT DRAINAGE MAP**

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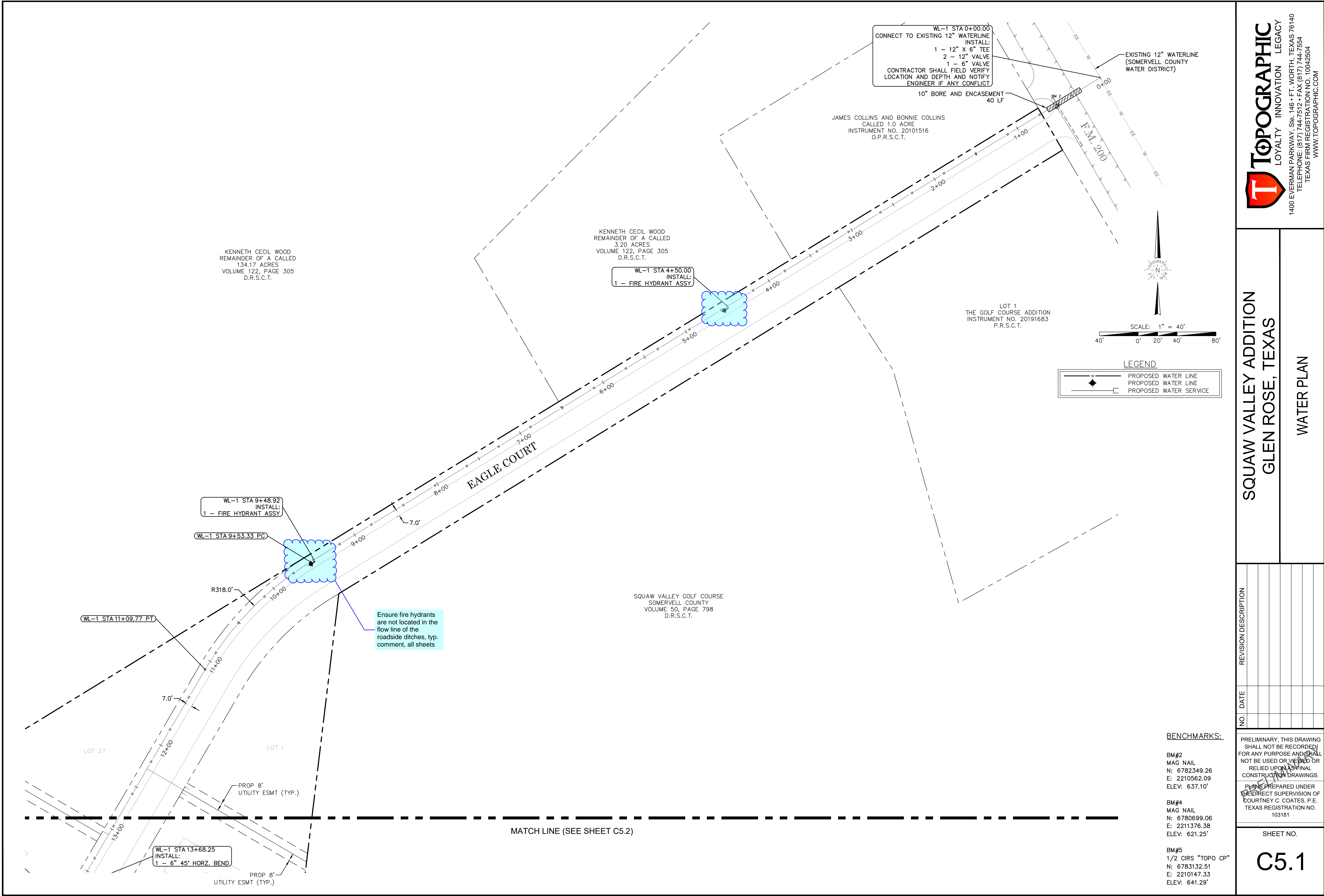
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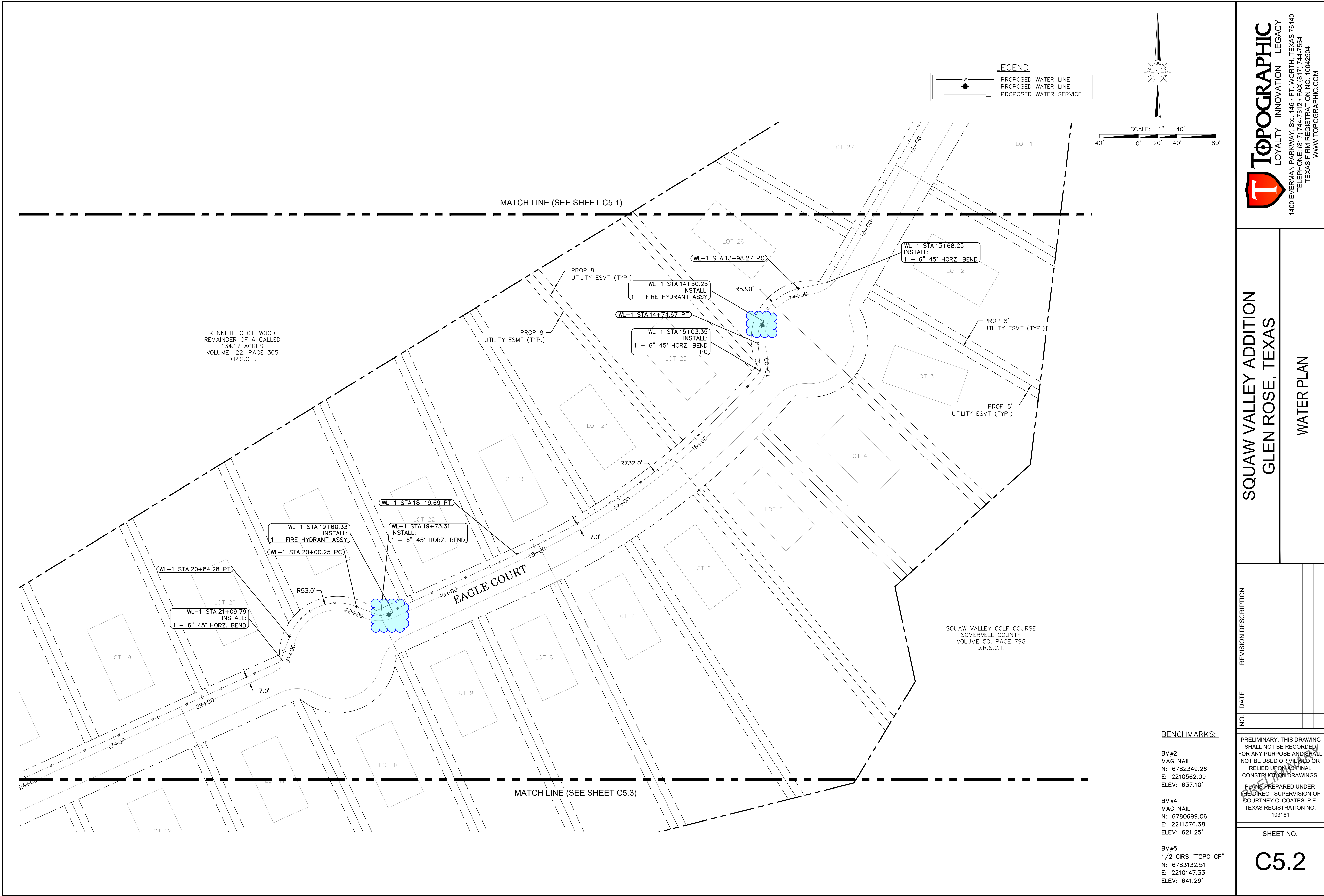
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103181

SHEET NO.

C4.2

POST - DEVELOPMENT DRAINAGE AREA CALCULATIONS - RATIONAL METHOD										
Area No.	Area (acres)	Runoff Coefficient C	Time of Concentration (min)	25-year Intensity (in/hr)	25-year Runoff (cfs)	50-year Intensity (in/hr)	50-year Runoff (cfs)	100-year Intensity (in/hr)	100-year Runoff (cfs)	Comments
DA-1	7.47	0.55	15.00	6.33	26.01	7.07	29.04	7.85	32.24	DRAINS TO PROPOSED ROADSIDE DITCH
DA-2	5.4	0.55	15.00	6.33	18.80	7.07	20.99	7.85	23.31	DRAINS TO PROPOSED ROADSIDE DITCH
DA-3	5.66	0.55	15.00	6.33	19.71	7.07	22.00	7.85	24.43	DRAINS SW TO EXISTING CREEK





SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS
WATER PLAN

NO.	DATE	REVISION DESCRIPTION

BENCHMARKS:

BM#2
MAG NAIL
N: 6782349.26
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ELEV: 637.10'

BM#4
MAG NAIL
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ELEV: 621.25'

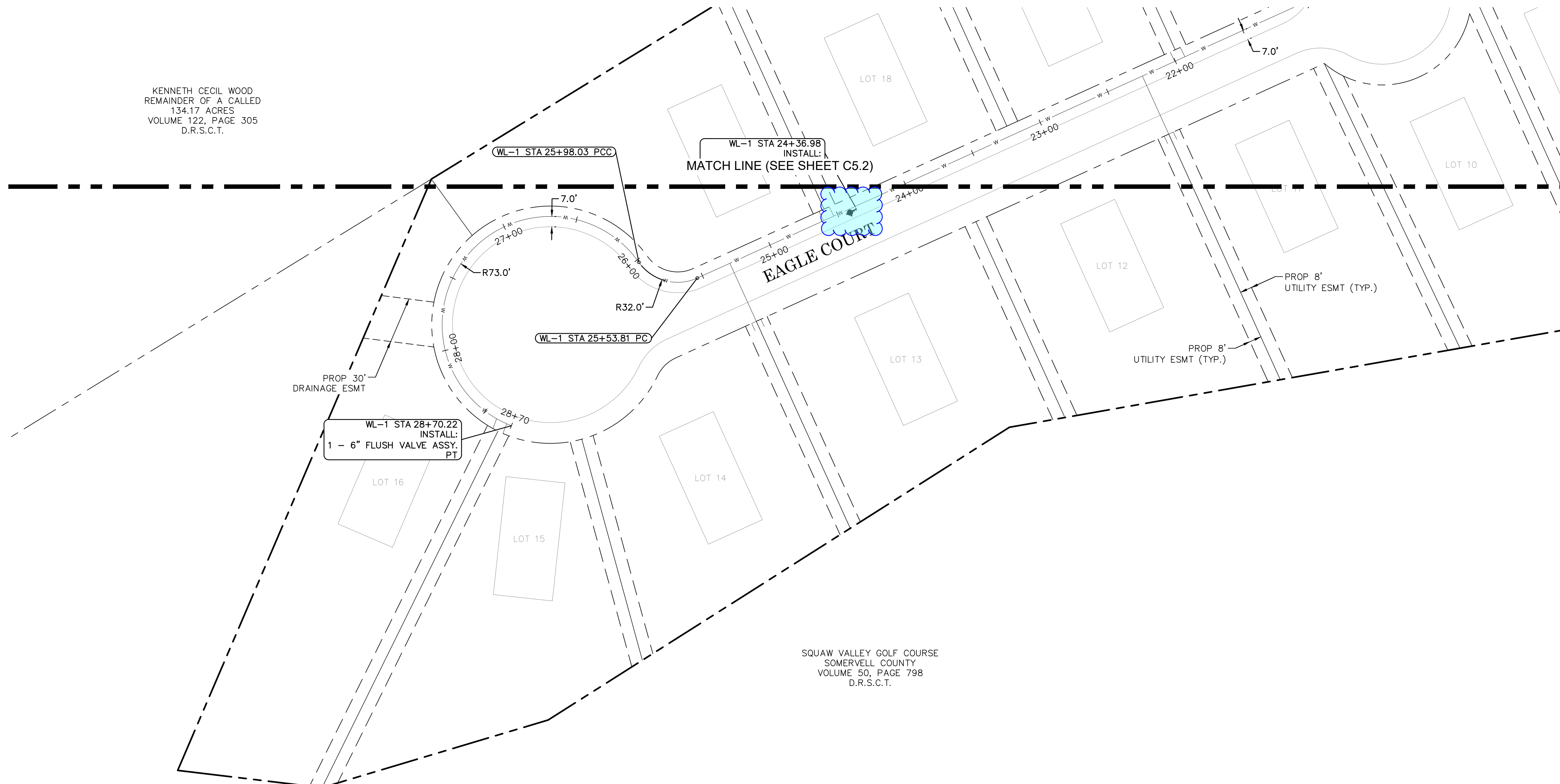
BM#5
1/2 CIRS "TOPO CP"
N: 6783132.51
E: 2210147.33
ELEV: 641.29'

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SHEET NO.

C5.2



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134.17 ACRES
VOLUME 122, PAGE 305
D.R.S.C.T.

SQUAW VALLEY GOLF COURSE
SOMERVELL COUNTY
VOLUME 501 PAGE 798
D.R.S.C.T.

LEGEND

—w—	PROPOSED WATER LINE
—w—	PROPOSED WATER LINE
—w—	PROPOSED WATER SERVICE

SCALE: 1" = 40'

40' 0' 20' 40'

BENCHMARKS:

- BM#2
MAG NAIL
N: 6782349.26
E: 2210562.09
ELEV: 637.10'
- BM#4
MAG NAIL
N: 6780699.06
E: 2211376.38
ELEV: 621.25'
- BM#5
1/2 CIRS "TOPO CP"
N: 6783132.51
E: 2210147.33
ELEV: 641.29'

SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS

WATER PLAN

NO.	DATE	REVISION DESCRIPTION

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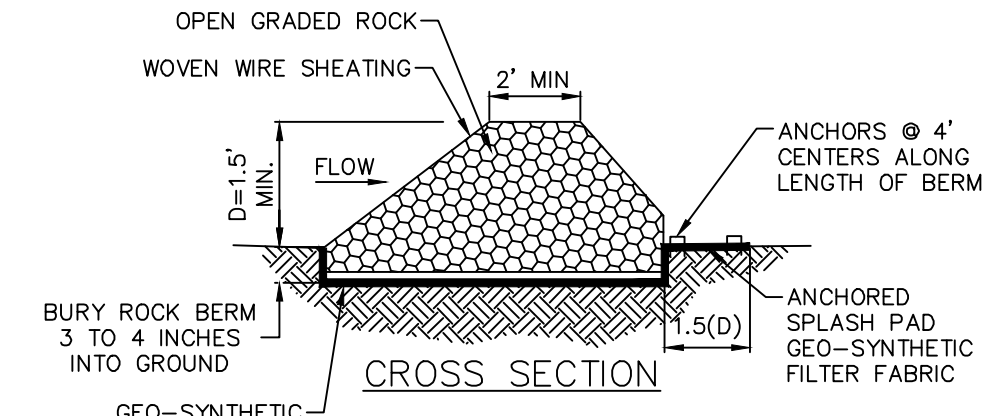
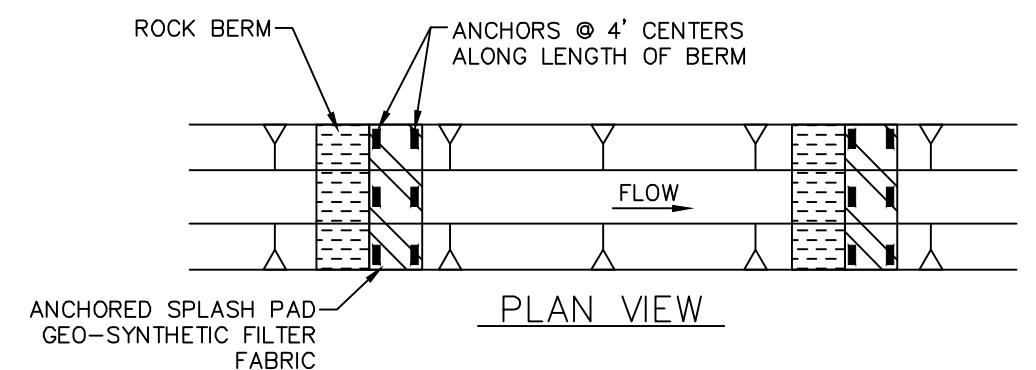
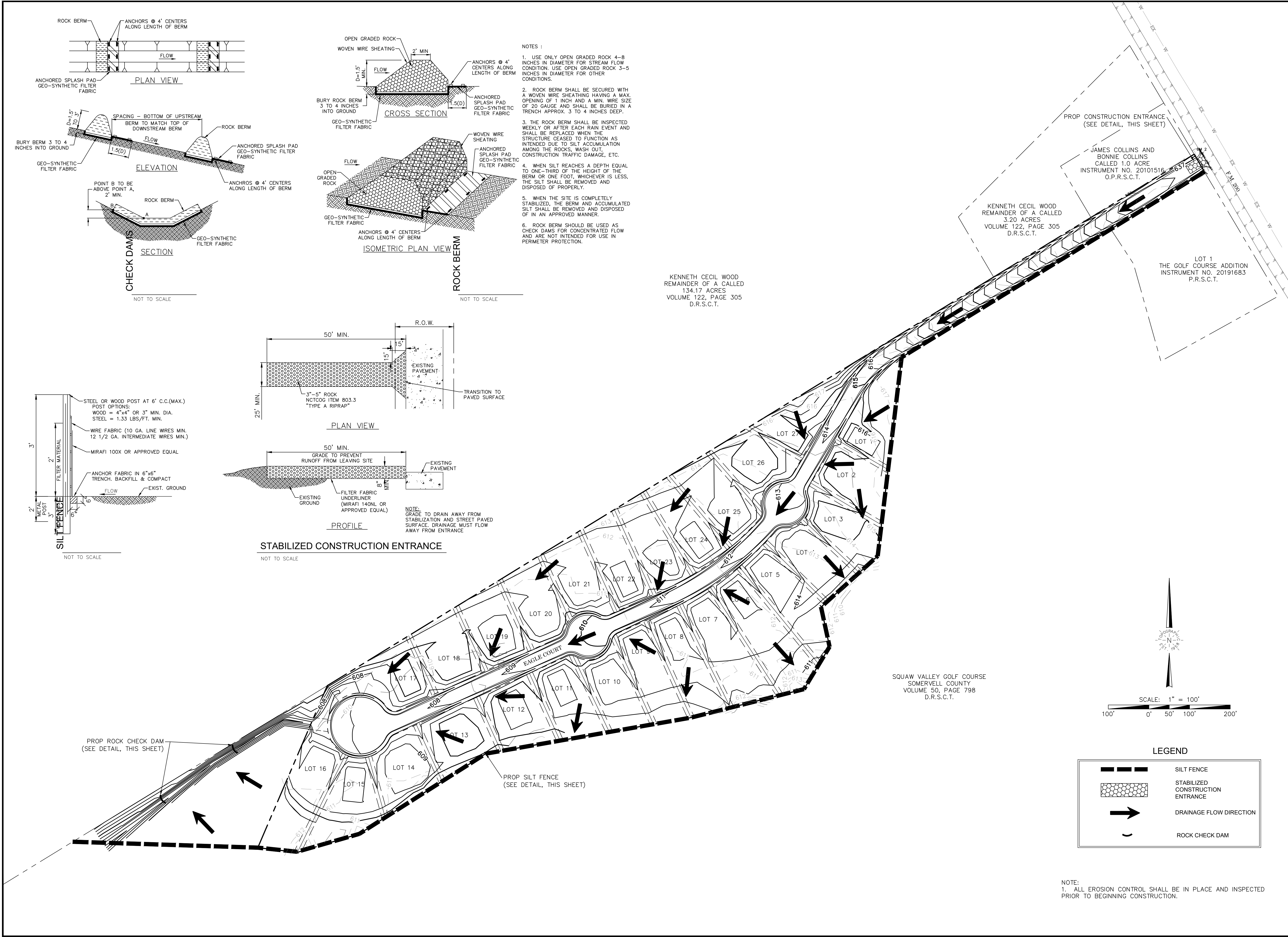
PLANS PREPARED UNDER
THE DIRECT SUPERVISION OF
COURTNEY C. COATES, P.E.
TEXAS REGISTRATION NO.
103181

SHEET NO.

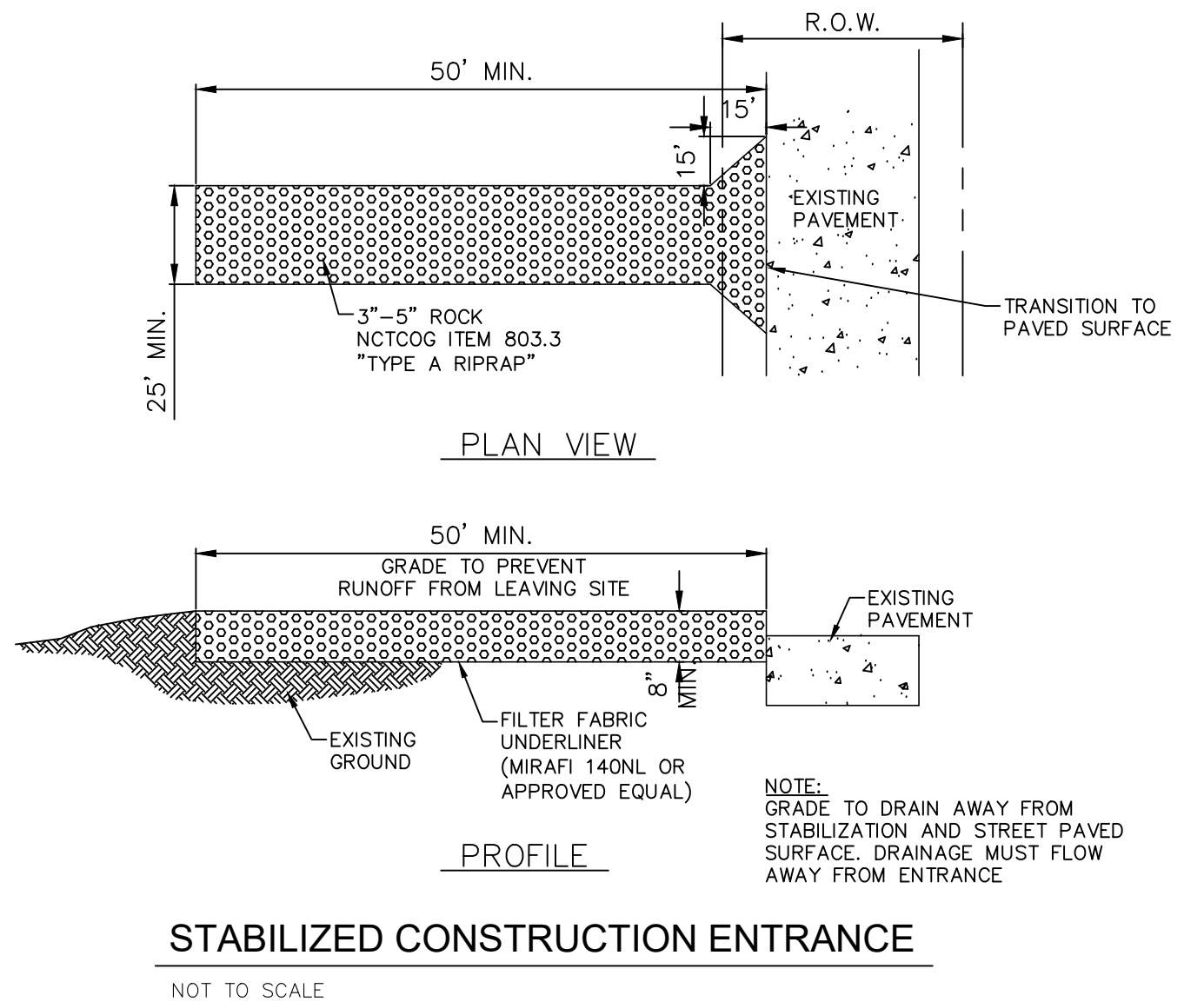
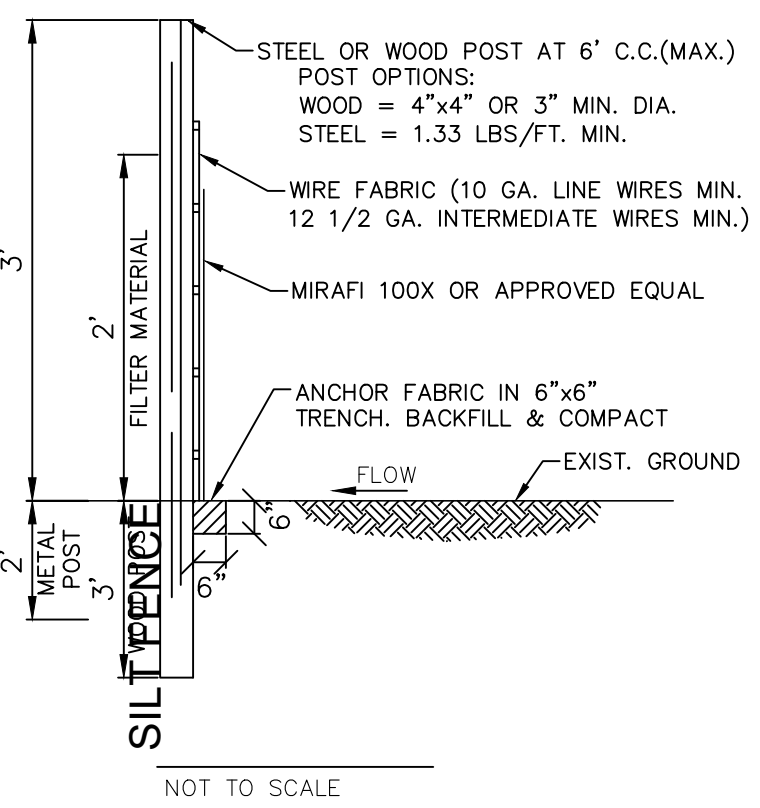
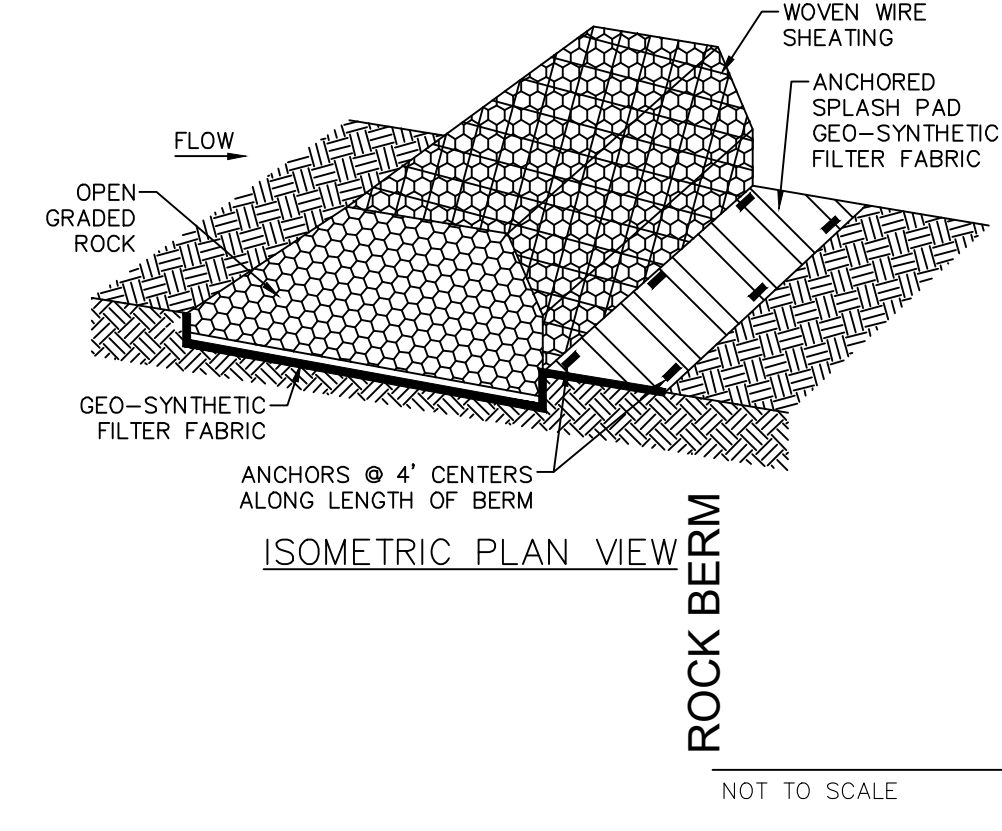
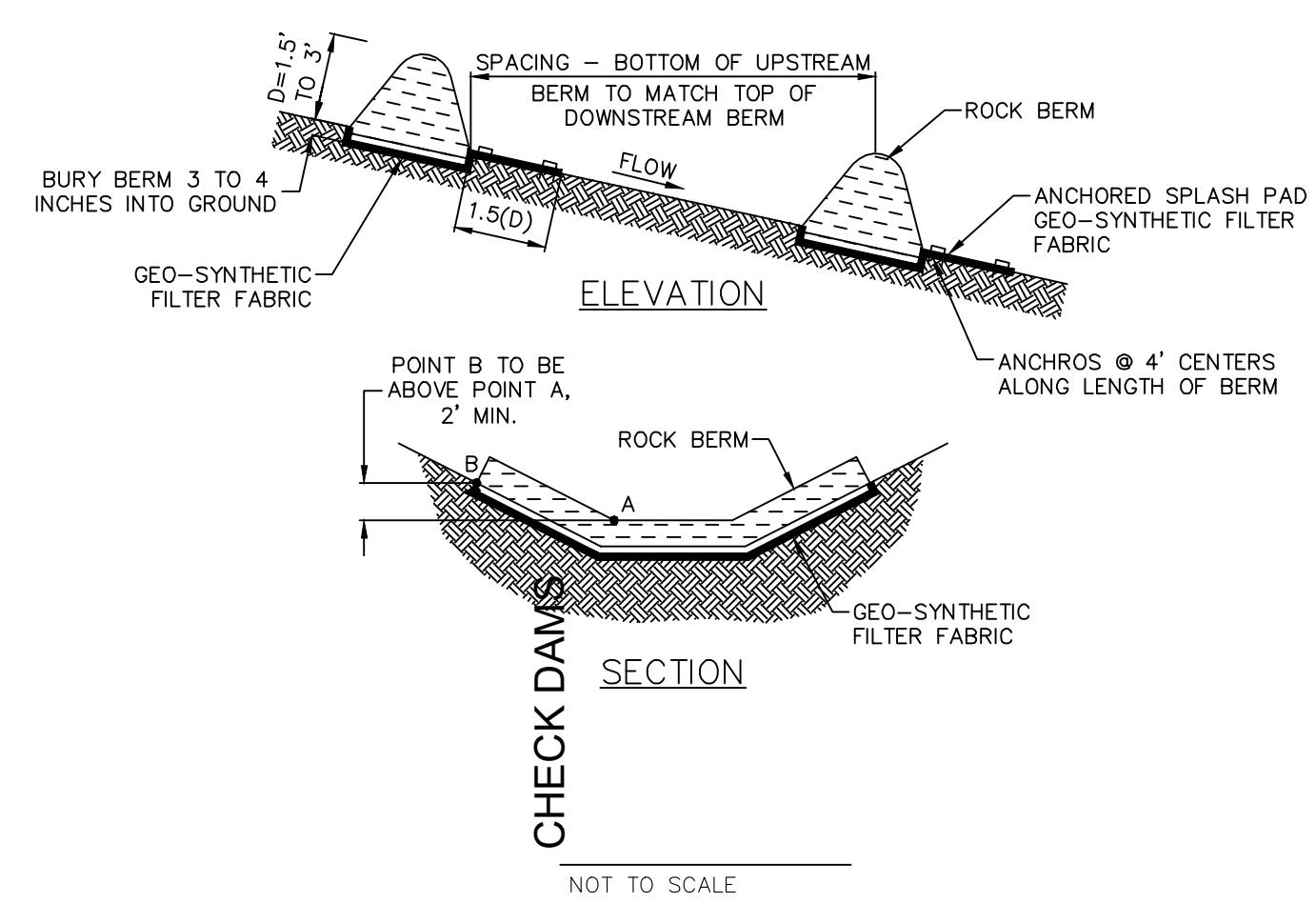
C5.3

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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- NOTES :
1. USE ONLY OPEN GRADED ROCK 4-8 INCHES IN DIAMETER FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK 3-5 INCHES IN DIAMETER FOR OTHER CONDITIONS.
 2. ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAX. OPENING OF 1 INCH AND A MIN. WIRE SIZE OF 20 GAUGE AND SHALL BE BURIED IN A TRENCH APPROX. 3 TO 4 INCHES DEEP.
 3. THE ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN EVENT AND SHALL BE REPLACED WHEN THE STRUCTURE CEASED TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASH OUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
 4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD OF THE HEIGHT OF THE BERM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
 5. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
 6. ROCK BERM SHOULD BE USED AS CHECK DAMS FOR CONCENTRATED FLOW AND ARE NOT INTENDED FOR USE IN PERIMETER PROTECTION.



SCALE: 1" = 100'

100' 0' 50' 100' 200'

LEGEND

	SILT FENCE
	STABILIZED CONSTRUCTION ENTRANCE
	DRAINAGE FLOW DIRECTION
	ROCK CHECK DAM

NOTE:
1. ALL EROSION CONTROL SHALL BE IN PLACE AND INSPECTED PRIOR TO BEGINNING CONSTRUCTION.

LOYALTY INNOVATION LEGACY

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SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS

EROSION CONTROL PLAN & DETAILS

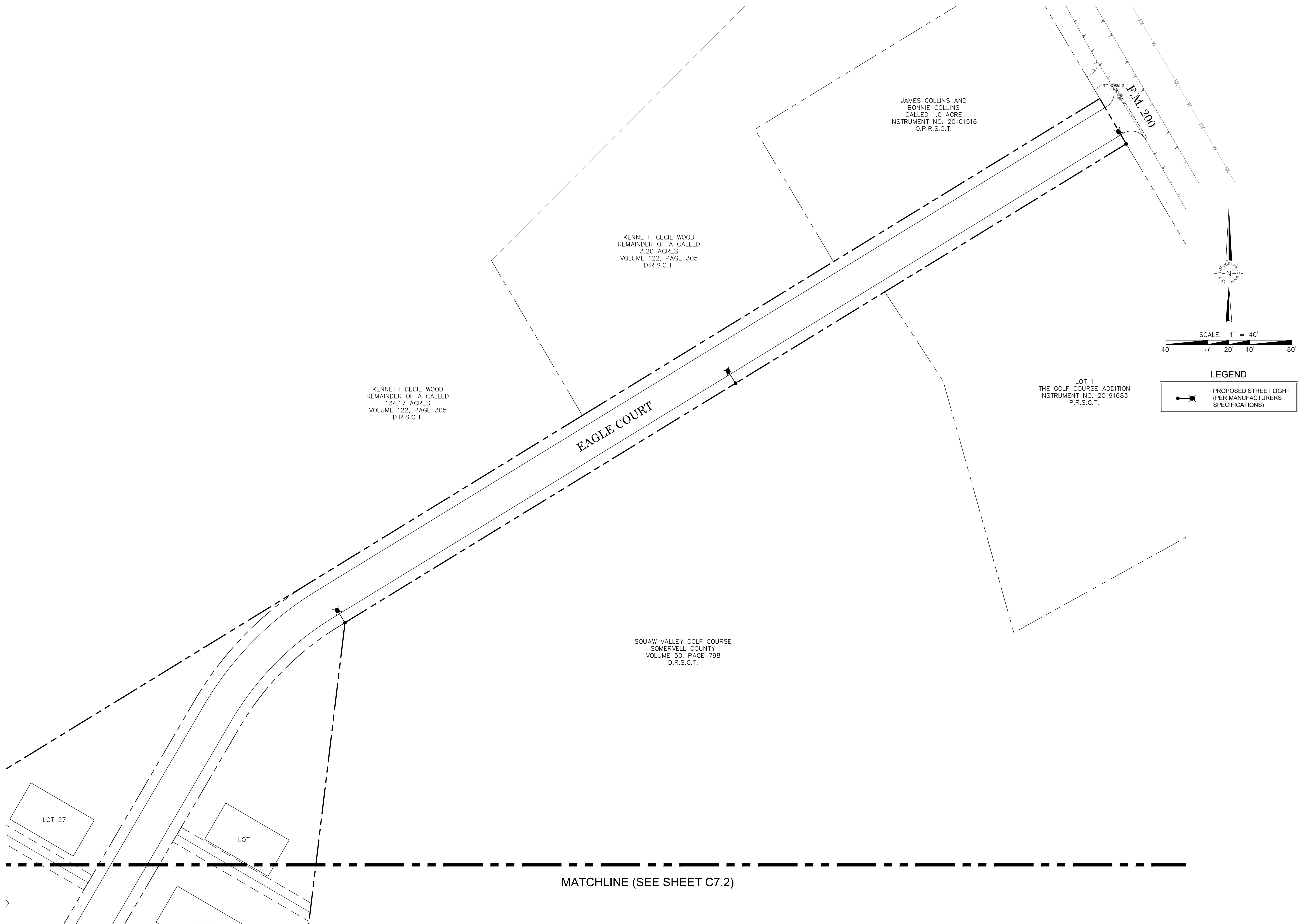
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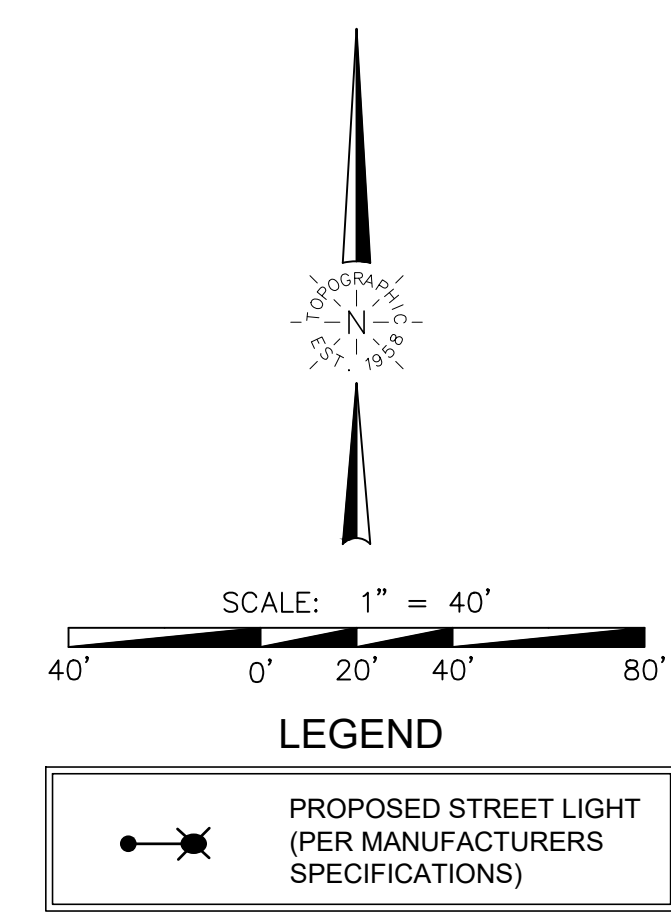
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SQUAW VALLEY ADDITION GLEN ROSE, TEXAS		STREET LIGHT PLAN			
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C7.1					



SQUAW VALLEY GOLF COURSE
SOMERVELL COUNTY
VOLUME 50, PAGE 798
D.R.S.C.T.

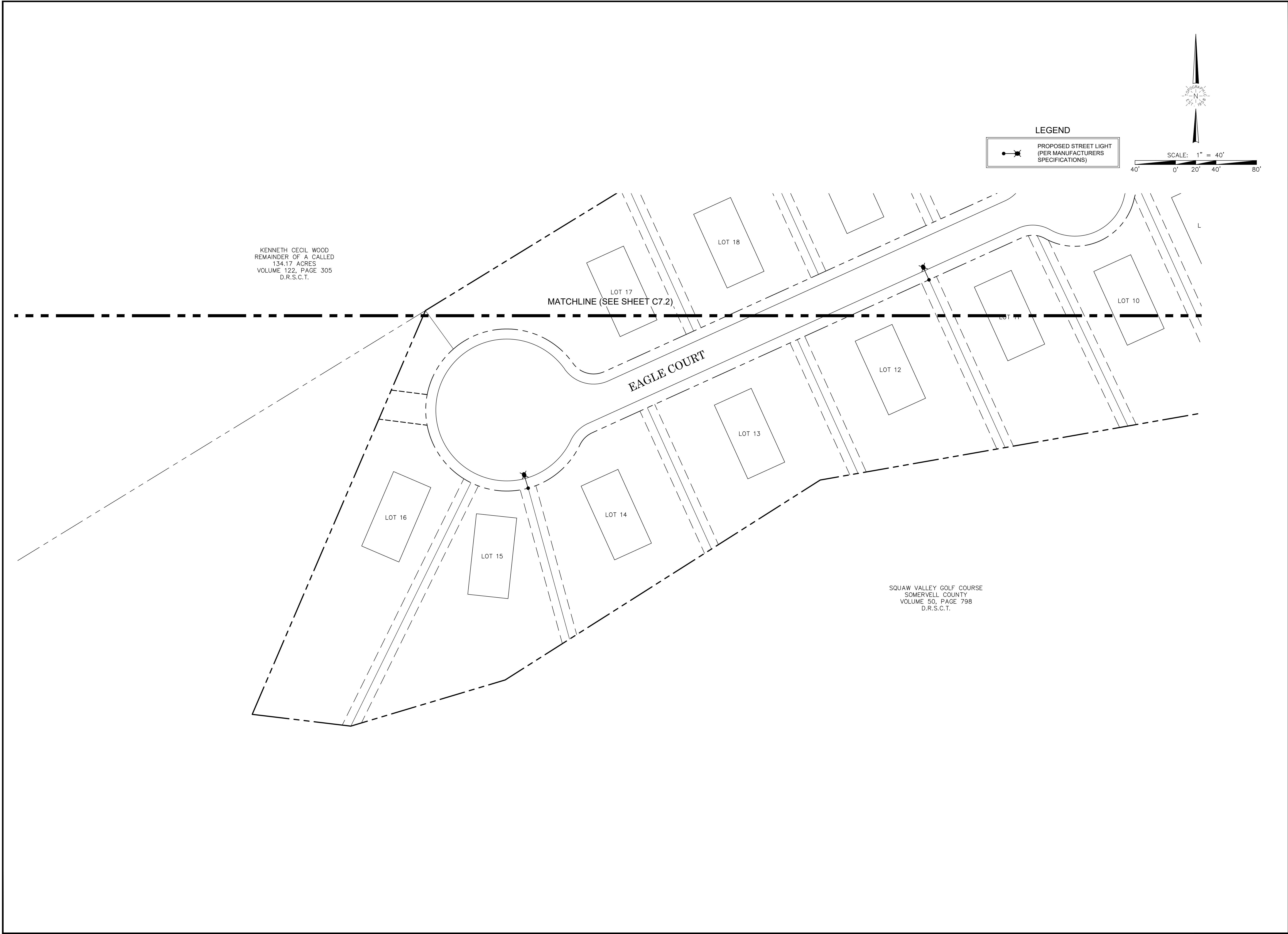
STREET LIGHT PLAN

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C7.2



SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS

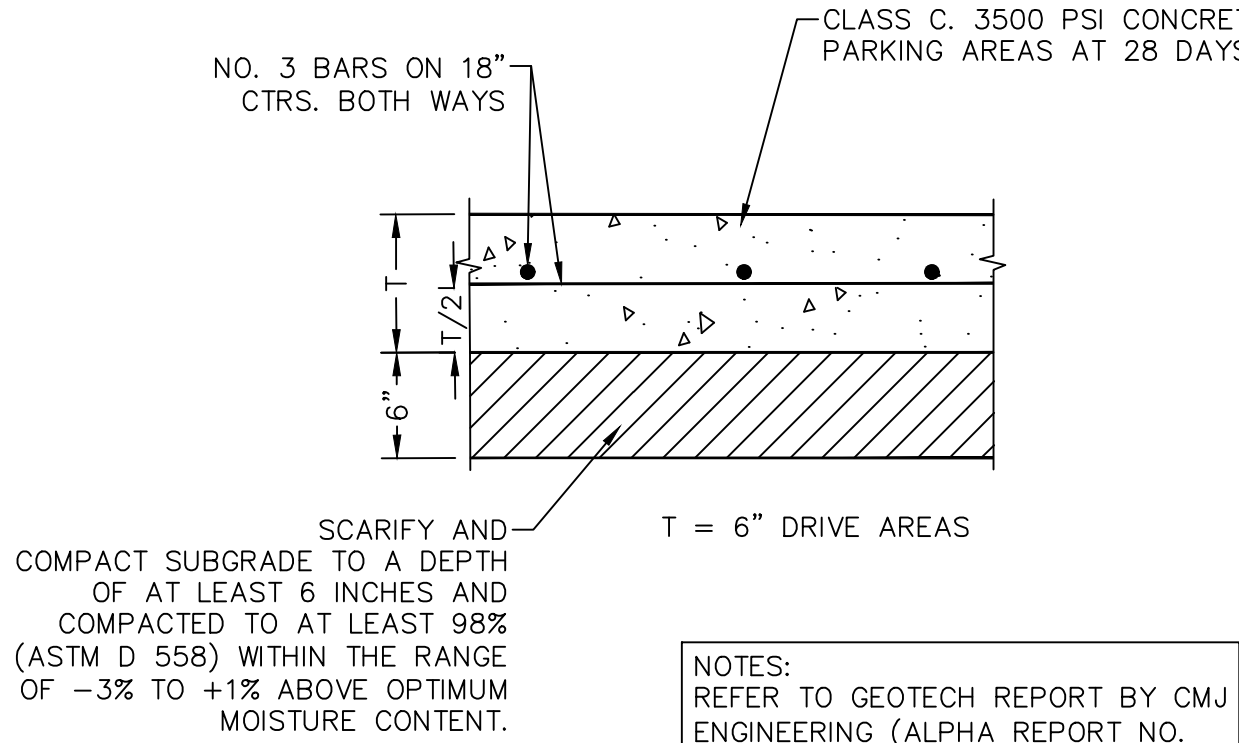
STREET LIGHT PLAN

NO.	DATE	REVISION DESCRIPTION

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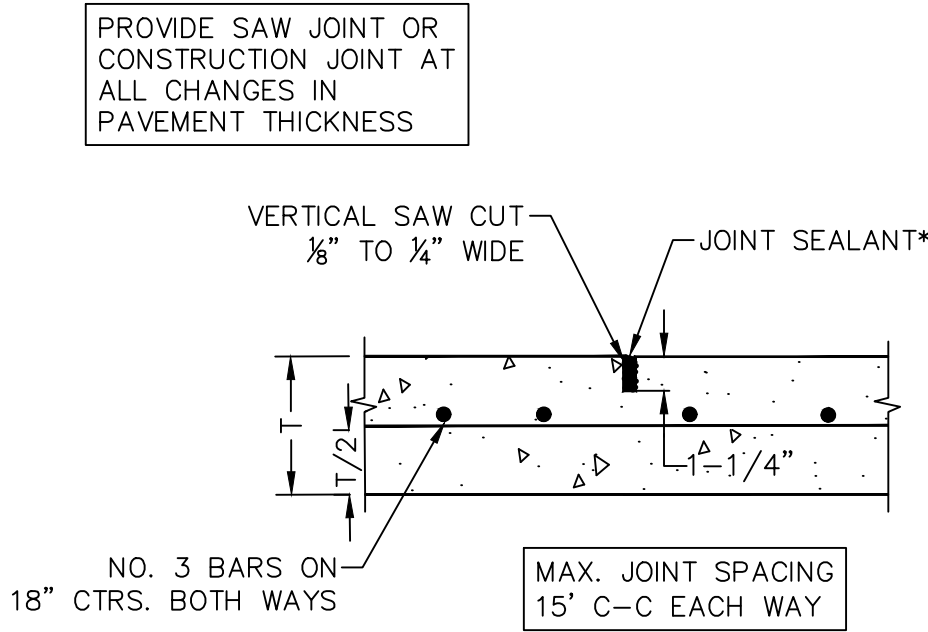
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C7.3



CONCRETE
PAVEMENT SECTION

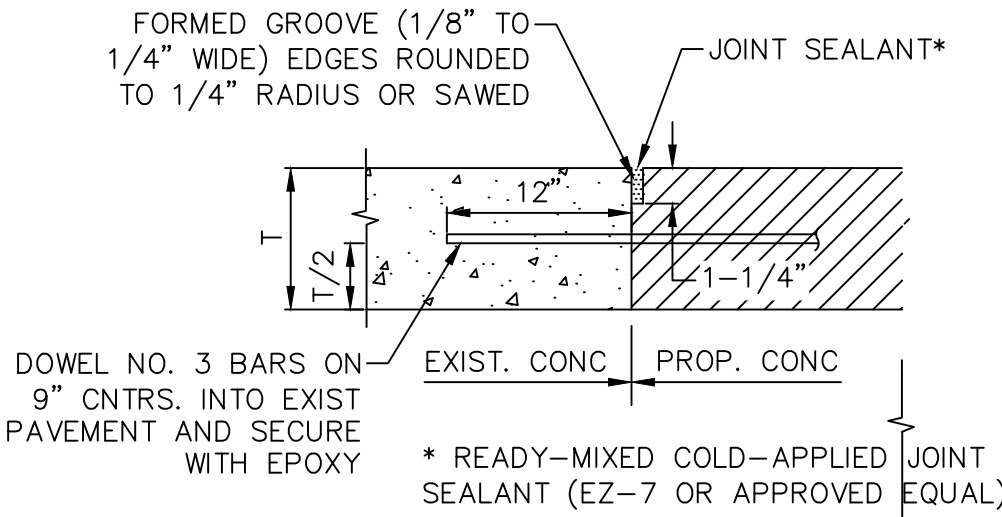
NOT TO SCALE



* READY-MIXED COLD-APPLIED JOINT SEALANT (EZ-7 OR APPROVED EQUAL)

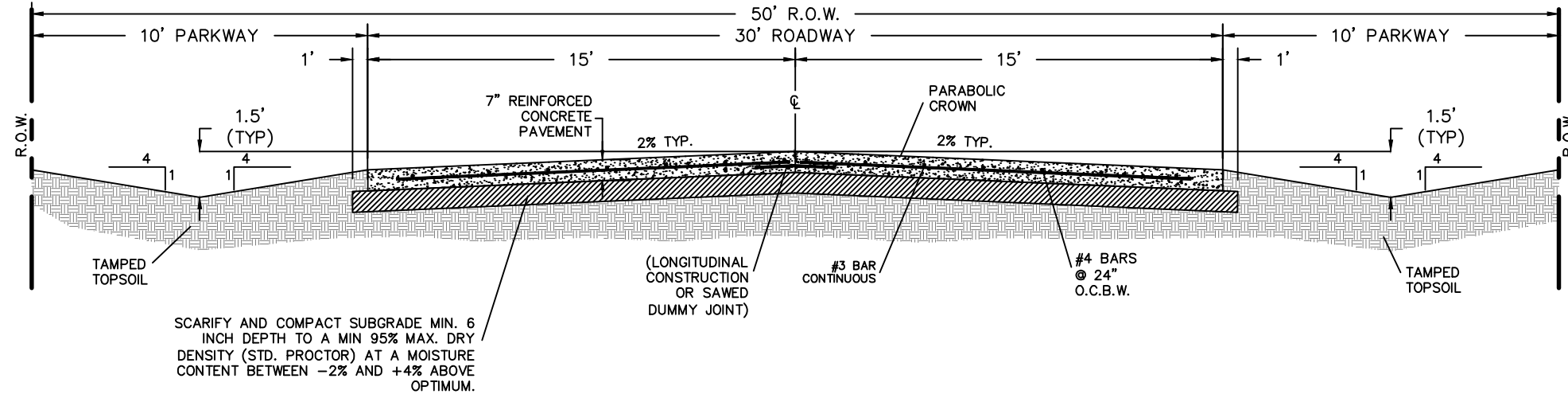
SAWED DUMMY JOINT

NOT TO SCALE



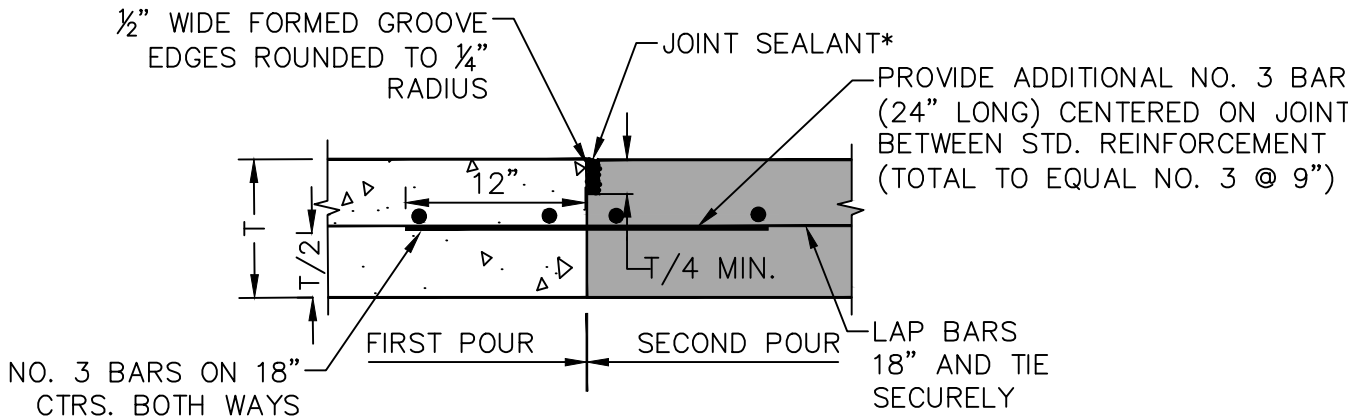
PAVEMENT
CONNECTION

NOT TO SCALE



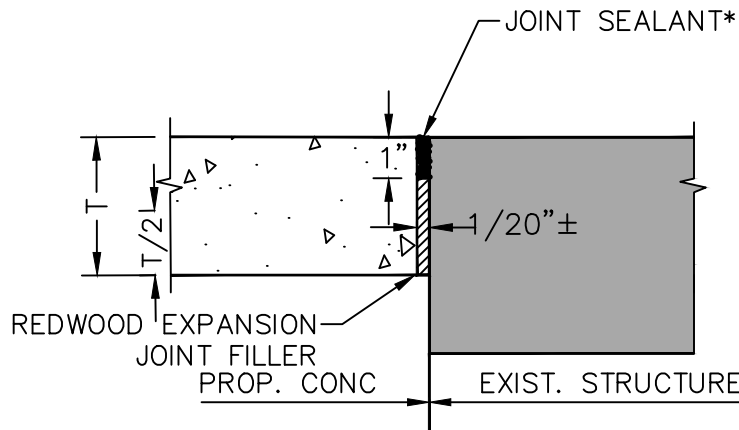
RESIDENTIAL CONCRETE
STREET SECTION

NOT TO SCALE



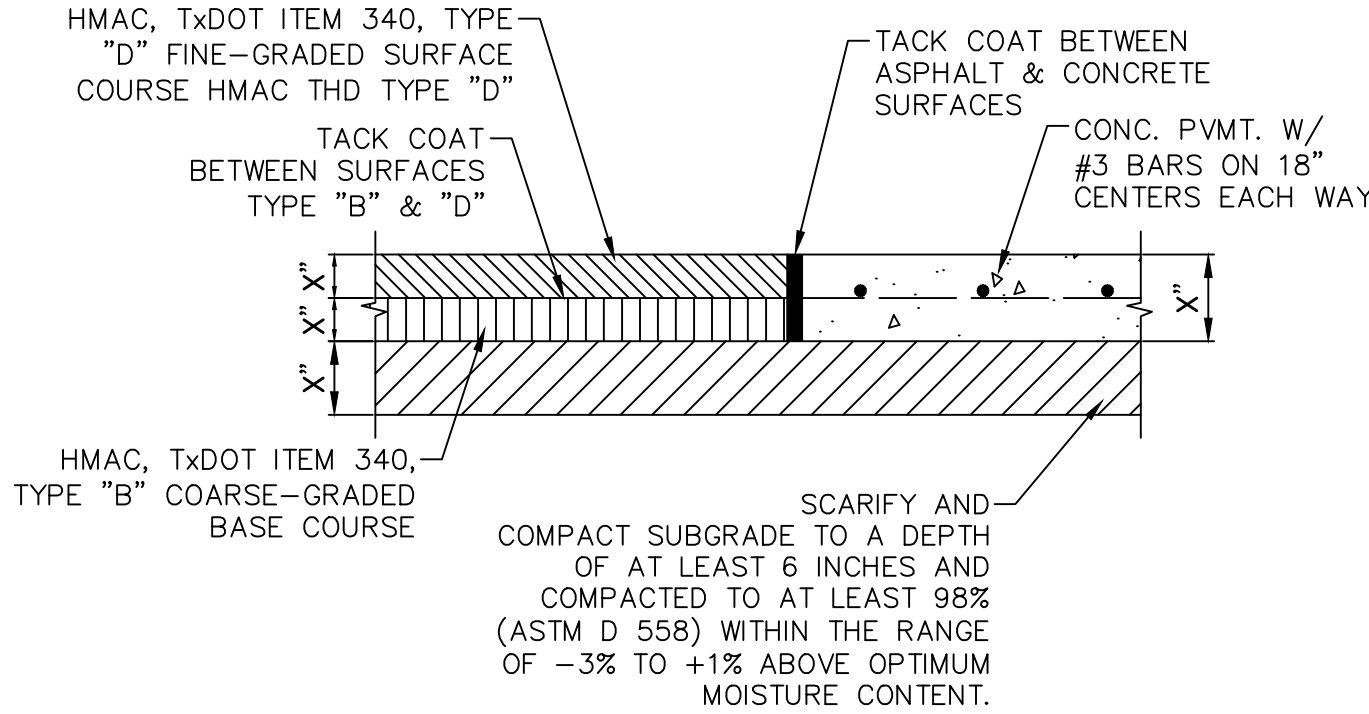
CONSTRUCTION JOINT

NOT TO SCALE



ISOLATION JOINT

NOT TO SCALE



ASPHALT/CONCRETE
TRANSITION

NOT TO SCALE

SQUAW VALLEY ADDITION
GLEN ROSE, TEXAS

PAVING DETAILS

NO.	DATE	REVISION DESCRIPTION

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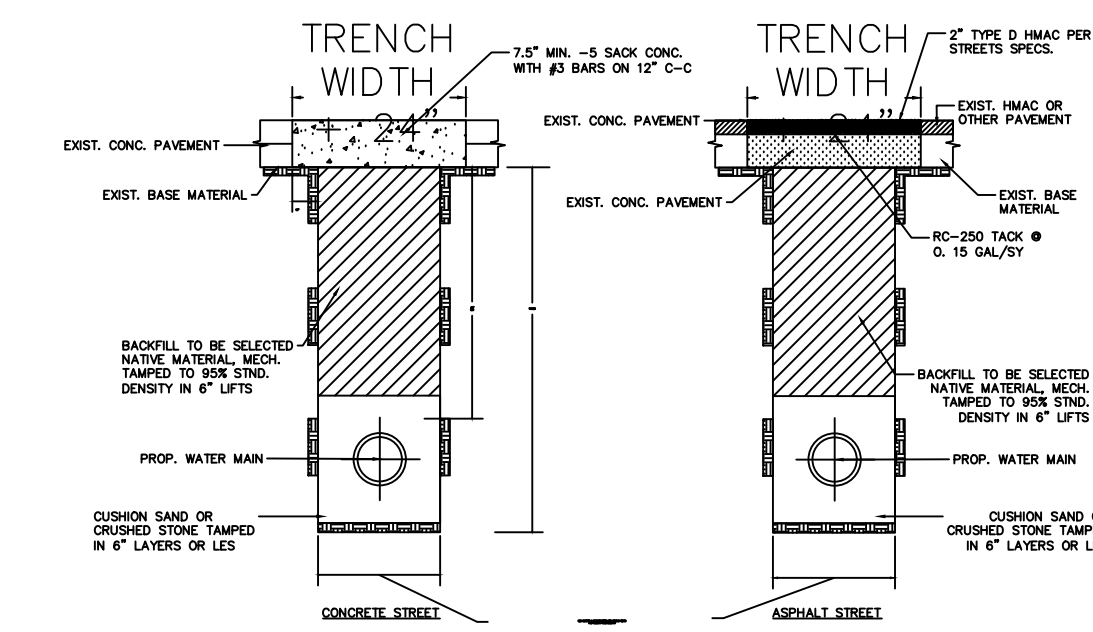
LOYALTY

INNOVATION

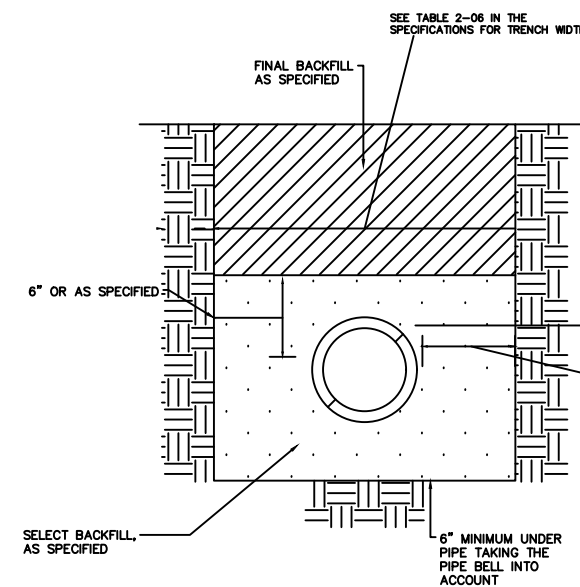
LEGACY

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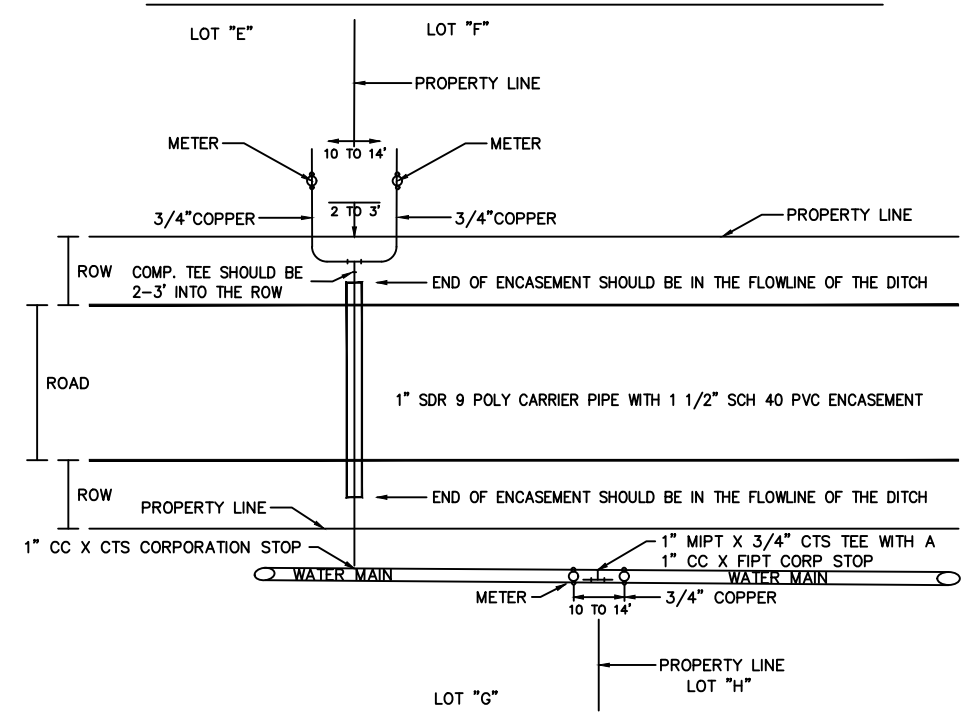
BACKFILL UNDER PROPOSED & EXISTING PAVEMENT



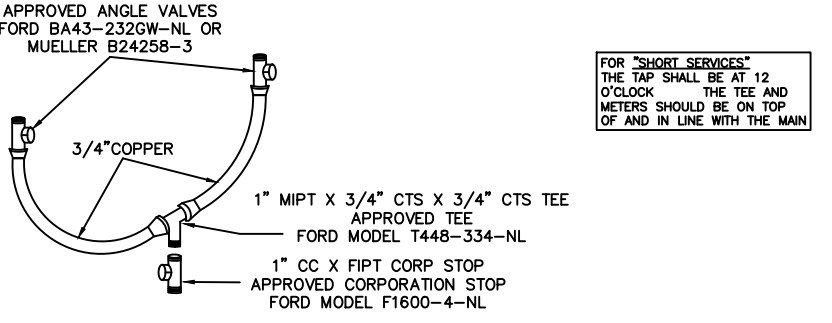
TRENCH & BACKFILL

TABLE 2-08				
MATERIAL	NOMINAL PIPE DIAMETER (INCHES)	MINIMUM TRENCH WIDTH (INCHES)	3/4" (3/4") TEE TRENCH WIDTH (INCHES)	PVC ENCASEMENT TRENCH WIDTH (INCHES)
PVC	6"	12"	12"	12"
PVC	8"	12"	12"	12"
PVC	10"	12"	12"	12"
PVC	12"	12"	12"	12"
PVC	14"	12"	12"	12"
PVC	16"	12"	12"	12"
PVC	18"	12"	12"	12"
PVC	20"	12"	12"	12"
PVC	22"	12"	12"	12"
PVC	24"	12"	12"	12"
PVC	26"	12"	12"	12"
PVC	28"	12"	12"	12"
PVC	30"	12"	12"	12"
PVC	32"	12"	12"	12"
PVC	34"	12"	12"	12"
PVC	36"	12"	12"	12"
PVC	38"	12"	12"	12"
PVC	40"	12"	12"	12"
PVC	42"	12"	12"	12"
PVC	44"	12"	12"	12"
PVC	46"	12"	12"	12"
PVC	48"	12"	12"	12"
PVC	50"	12"	12"	12"
PVC	52"	12"	12"	12"
PVC	54"	12"	12"	12"
PVC	56"	12"	12"	12"
PVC	58"	12"	12"	12"
PVC	60"	12"	12"	12"
PVC	62"	12"	12"	12"
PVC	64"	12"	12"	12"
PVC	66"	12"	12"	12"
PVC	68"	12"	12"	12"
PVC	70"	12"	12"	12"
PVC	72"	12"	12"	12"
PVC	74"	12"	12"	12"
PVC	76"	12"	12"	12"
PVC	78"	12"	12"	12"
PVC	80"	12"	12"	12"
PVC	82"	12"	12"	12"
PVC	84"	12"	12"	12"
PVC	86"	12"	12"	12"
PVC	88"	12"	12"	12"
PVC	90"	12"	12"	12"
PVC	92"	12"	12"	12"
PVC	94"	12"	12"	12"
PVC	96"	12"	12"	12"
PVC	98"	12"	12"	12"
PVC	100"	12"	12"	12"

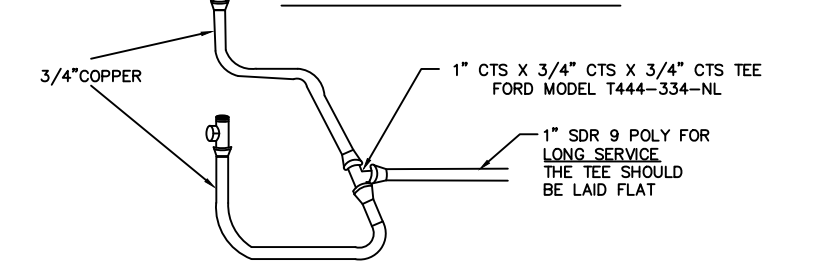
DUAL SERVICES WATER MAIN ON PRIVATE PROPERTY WITH PAVED ROADS AND BORROW DITCH



"SHORT SERVICE"

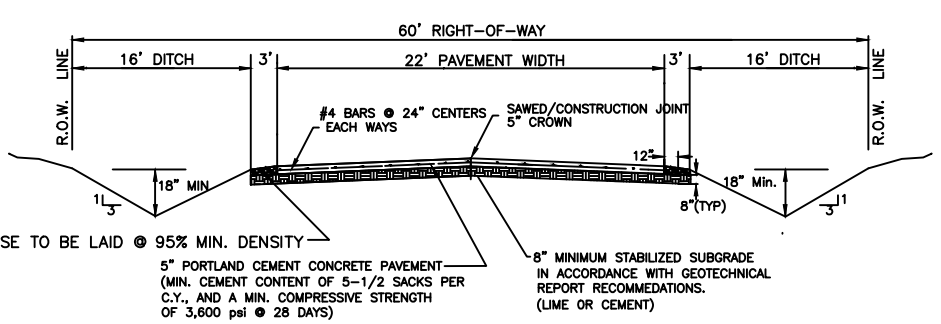


"LONG SERVICE"



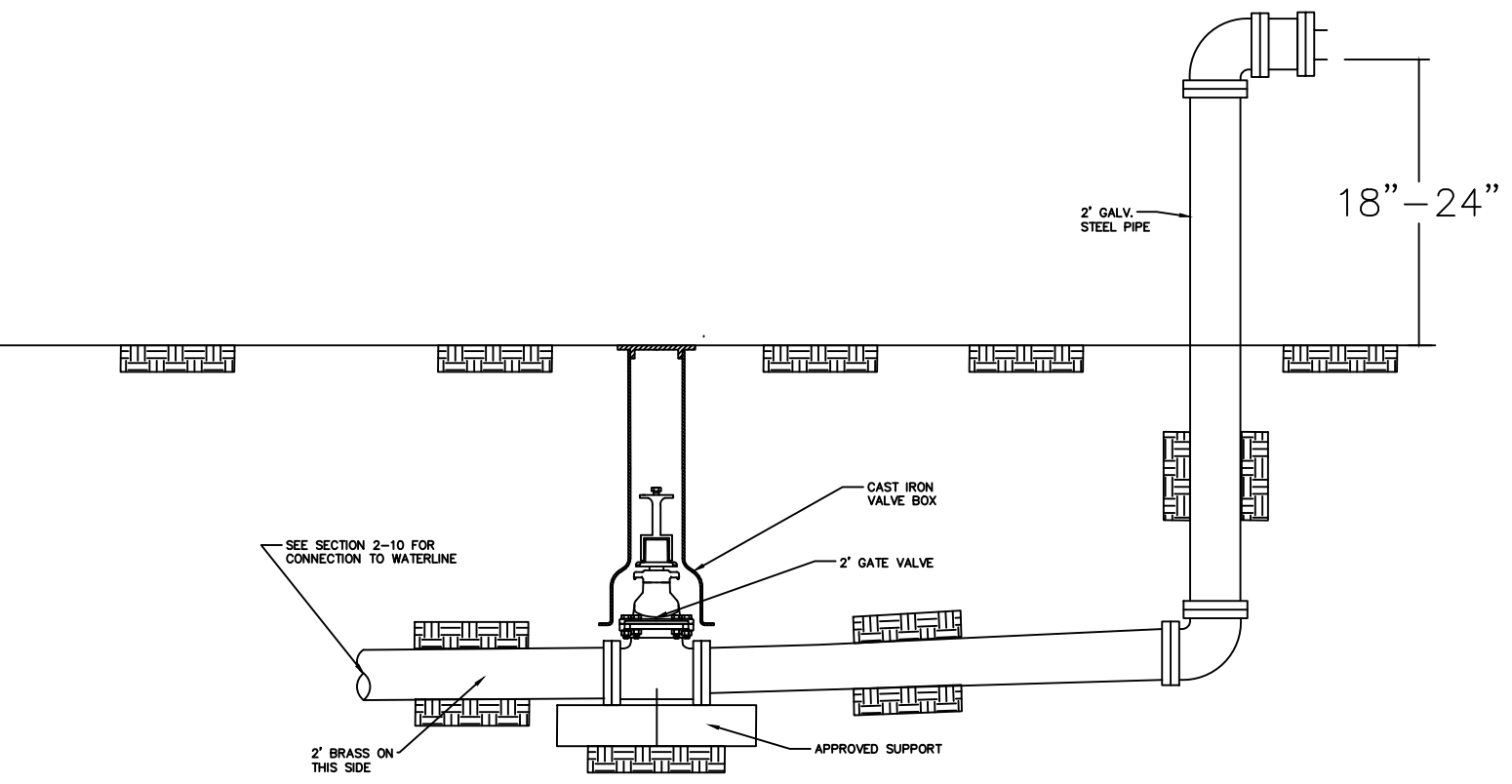
PIPE SIZE	4" DIA. MIN.	FLUID TIES (EACH END)	90° BENDS	45° BENDS	22.5° BENDS	11.25° BENDS
6"	1'-4"	4.00*	4.50	4.50*	4.00*	4.00*
8"	1'-4"	5.00	5.00	4.50	4.00*	4.00*
10"	1'-4"	6.00	5.50	5.00	4.00*	4.00*
12"	1'-4"	7.00	6.00	5.50	4.00*	4.00*
14"	2'-0"	8.00	6.50	6.00	4.50	4.50
16"	2'-0"	9.00	7.00	6.50	5.00	5.00
18"	2'-0"	10.00	7.50	7.00	5.50	5.50
20"	2'-0"	11.00	8.00	7.50	6.00	6.00
22"	2'-0"	12.00	8.50	8.00	6.50	6.50
24"	2'-0"	13.00	9.00	8.50	7.00	7.00
26"	2'-0"	14.00	9.50	9.00	7.50	7.50
28"	2'-0"	15.00	10.00	9.50	8.00	8.00
30"	2'-0"	16.00	10.50	10.00	8.50	8.50
32"	2'-0"	17.00	11.00	10.50	9.00	9.00
34"	2'-0"	18.00	11.50	11.00	9.50	9.50
36"	2'-0"	19.00	12.00	11.50	10.00	10.00
38"	2'-0"	20.00	12.50	12.00	10.50	10.50
40"	2'-0"	21.00	13.00	12.50	11.00	11.00
42"	2'-0"	22.00	13.50	13.00	11.50	11.50
44"	2'-0"	23.00	14.00	13.50	12.00	12.00
46"	2'-0"	24.00	14.50	14.00	12.50	12.50
48"	2'-0"	25.00	15.00	14.50	13.00	13.00
50"	2'-0"	26.00	15.50	15.00	13.50	13.50
52"	2'-0"	27.00	16.00	15.50	14.00	14.00
54"	2'-0"	28.00	16.50	16.00	14.50	14.50
56"	2'-0"	29.00	17.00	16.50	15.00	15.00
58"	2'-0"	30.00	17.50	17.00	15.50	15.50
60"	2'-0"	31.00	18.00	17.50	16.00	16.00
62"	2'-0"	32.00	18.50	18.00	16.50	16.50
64"	2'-0"	33.00	19.00	18.50	17.00	17.00
66"	2'-0"	34.00	19.50	19.00	17.50	17.50
68"	2'-0"	35.00	20.00	19.50	18.00	18.00
70"	2'-0"	36.00	20.50	20.00	18.50	18.50
72"	2'-0"	37.00	21.00	20.50	19.00	19.00
74"	2'-0"	38.00	21.50	21.00	19.50	19.50
76"	2'-0"	39.00	22.00	21.50	20.00	20.00
78"	2'-0"	40.00	22.50	22.00	20.50	20.50
80"	2'-0"	41.00	23.00	22.50	21.00	21.00
82"	2'-0"	42.00	23.50	23.00	21.50	21.50
84"	2'-0"	43.00	24.00	23.50	22.00	22.00
86"	2'-0"	44.00	24.50	24.00	22.50	22.50
88"	2'-0"	45.00	25.00	24.50	23.00	23.00
90"	2'-0"	46.00	25.50	25.00	23.50	23.50
92"	2'-0"	47.00	26.00	25.50	24.00	24.00
94"	2'-0"	48.00	26.50	26.00	24.50	24.50
96"	2'-0"	49.00	27.00	26.50	25.00	25.00
98"	2'-0"	50.00	27.50	27.00	25.50	25.50
100"	2'-0"	51.00	28.00	27.50	26.00	26.00

HORIZONTAL THRUST BLOCKING

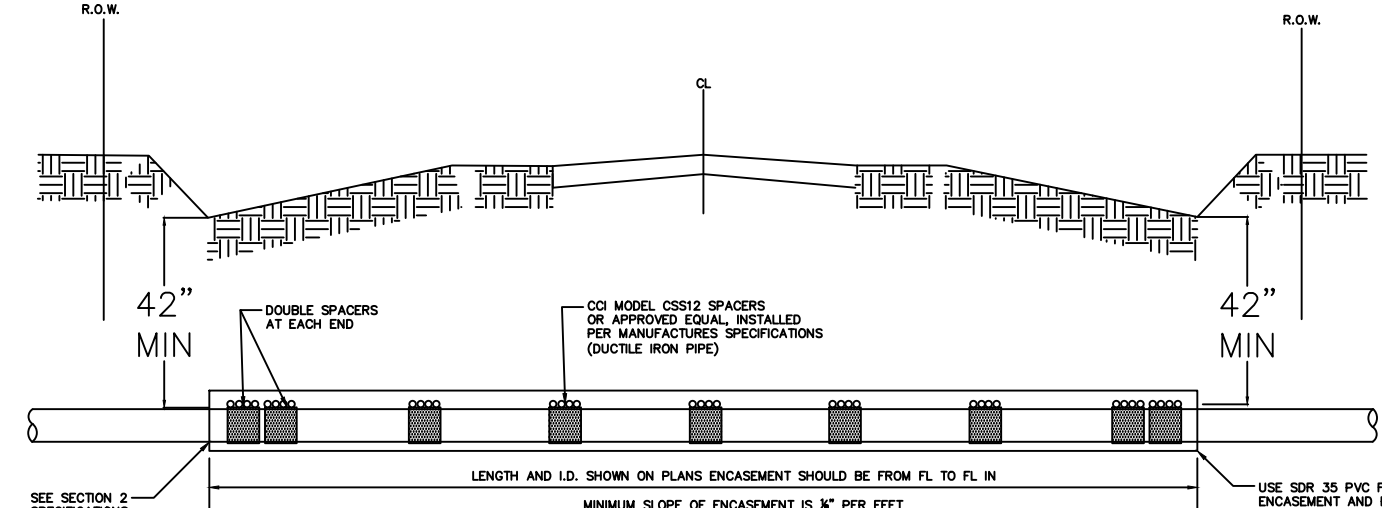


- NOTES:
1. THROUST BLOCKING SHALL BE BASED ON:
 - a. 150 PSI TEST PRESSURE
 - b. 1500 PSI TESTING OR LATERAL BENDING PRESSURE FOR ACCEPTABLE SOILS
 - c. MINIMUM COVER OF 42"
 - d. A SAFETY FACTOR OF 1.5.
 2. THE CONTRACTOR IS REQUIRED TO PROVIDE THRUST RESTRAINT BY MEANS OF THRUST BLOCKING FOR ALL PIPES. THIS ITEM SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS ITEMS AND ALL FITTINGS SHALL BE ADDITIONALLY RESTRAINED WITH BARRIER CEMENT.
 3. BLOCKING FOR WATER LINES LARGER THAN 24" SHALL BE DESIGNED FOR THE SPECIFIC LOCATION AND SHOWN ON THE DRAWINGS.
 4. ALL DUCTILE IRON FITTINGS SHALL BE RESTRAINED IN POLYETHYLENE ENCASEMENT PRIOR TO PLACING OF BLOCKING.
 5. CONCRETE MATERIAL SHALL CONFORM TO SECTION 03 30 00.

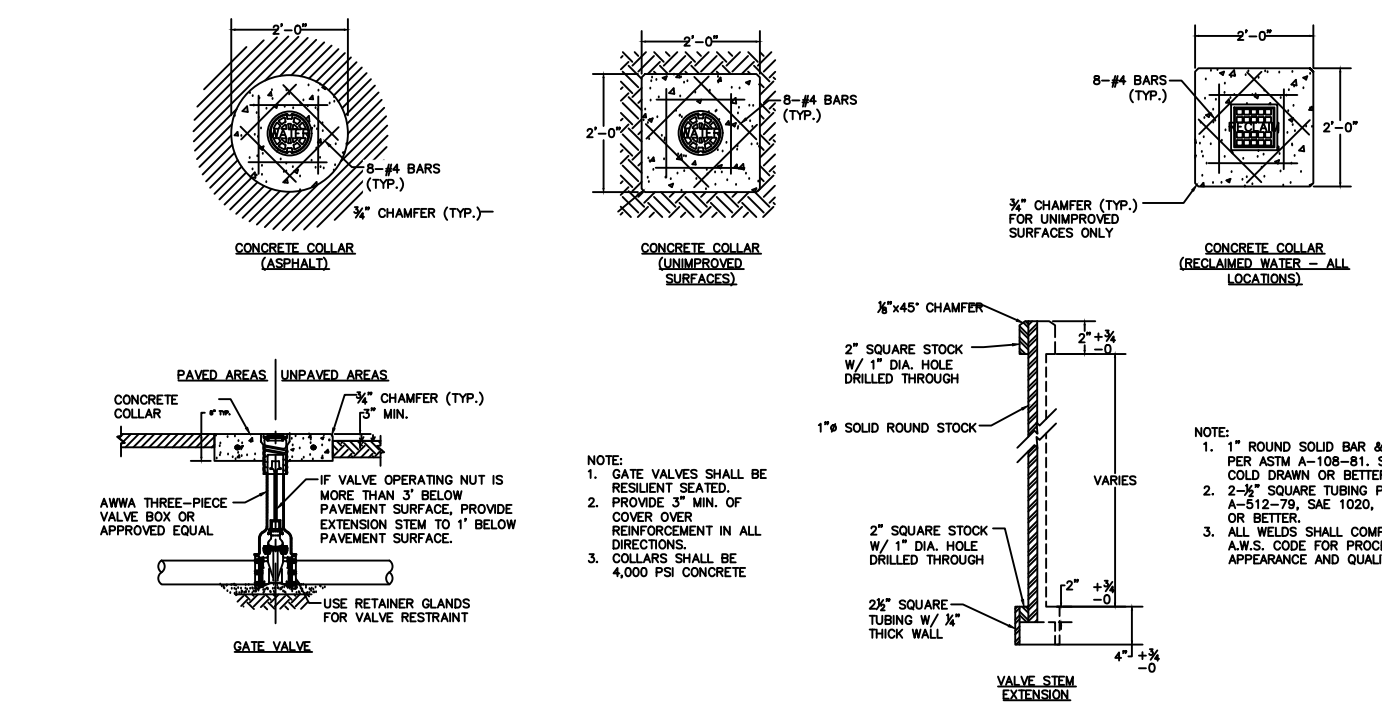
RURAL RESIDENTIAL STREET



FLUSH VALVE



COUNTRY ROAD CROSSING

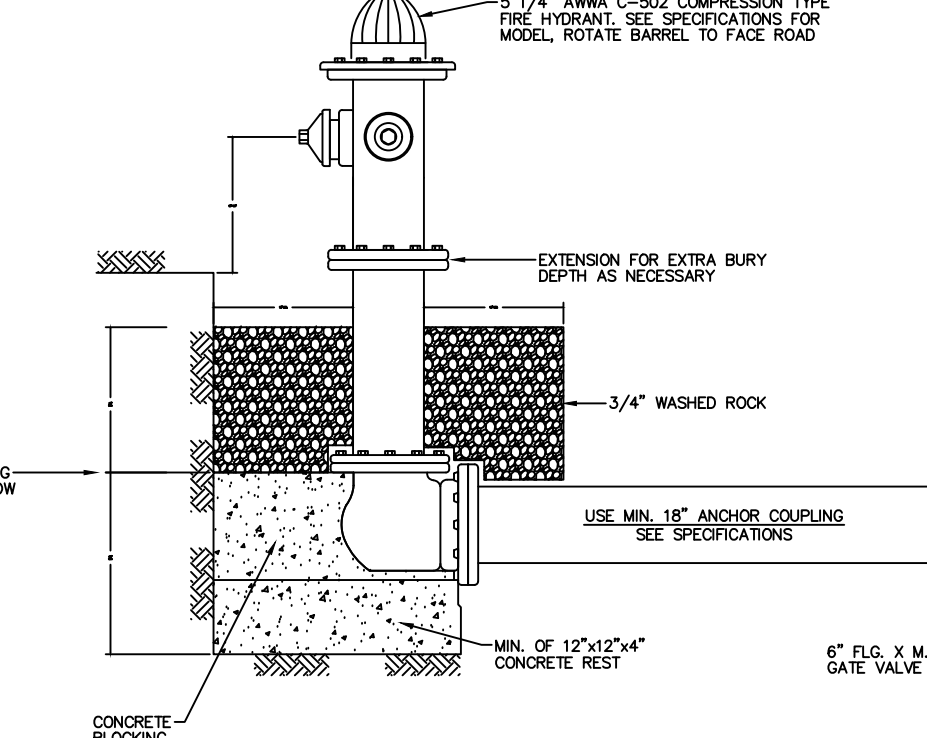


WATER DISTRIBUTION GATE VALVE & BOX (12-INCH AND SMALLER)

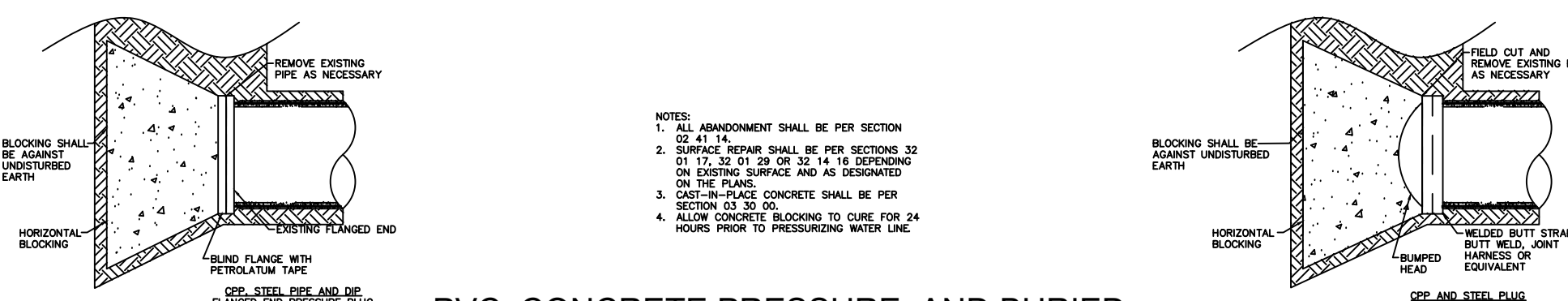
TRACER WIRE ELECTRICAL BOX



HYDRANT SHALL BE SET PLUMB AND BE PAINTED RED AT THE FACTORY



FIRE HYDRANT



PVC, CONCRETE PRESSURE, AND BURIED STEEL PIPE PRESSURE PLUGS

SQUAW VALLEY ADDITION GLEN ROSE, TEXAS

WATER DETAILS

NO.	DATE	REVISION DESCRIPTION

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SHEET NO.

C8.2