



AIA® Document G710™ – 2017

Architect's Supplemental Instructions

PROJECT: *(name and address)*
Wilma P. Mankiller Health Center
Expansion
Stilwell, OK

CONTRACT INFORMATION:
Contract For: CMAR

Date:

ASI INFORMATION:
ASI Number: Bid Package 02 - ASI 001

Date: 02-26-20

OWNER: *(name and address)*
Cherokee Nation Property Management,
LLC.

ARCHITECT: *(name and address)*
Jame R. Childers Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901

CONTRACTOR: *(name and address)*
M. Ross, Inc.

The Contractor shall carry out the Work in accordance with the following supplemental instructions without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgment that there will be no change in the Contract Sum or Contract Time.

(Insert a detailed description of the Architect's supplemental instructions and, if applicable, attach or reference specific exhibits.)

See attached revised Civil plans that have been issued and approved by ODOT. Follings sheets re-issued

- CD100
- CD101
- CI102
- CP102
- CG100
- CG104
- CG105
- CG106
- CG108
- CU505

ISSUED BY THE ARCHITECT:

James R. Childers Architect, Inc.

ARCHITECT *(Firm name)*

SIGNATURE

J. Breck Childers - Architect

PRINTED NAME AND TITLE

02-26-20

DATE

Existing								
Basin	SQ.FT.	ACRE	CN	L ₀ (ft)	Sheet flow	time (min)	concentrated flow	time (min)
EAST 1	26579.83	0.61	96	437	300 ft @ 5%	1.91	137 ft @ 3.61%	0.59
Curve Number = $[(0.08 \times 80) + (0.53 \times 98)] / 0.61$								
Q _{PRYR}	VOL _{PRYR}	Q _{OUT} (cfs)						
2 yr	3.231	6527	3.231					
5 yr	4.366	8997	4.366					
10 yr	5.118	10648	5.118					
25 yr	6.056	12715	6.056					
50 yr	6.805	14370	6.805					
100 yr	7.459	15820	7.459					

Basin	SQ.FT.	ACRE	CN	L ₀ (ft)	Sheet flow	time (min)	concentrated flow	time (min)
EAST 2	66962.65	1.54	85	352	300 ft @ 5%	1.91	52 ft @ 5%	0.24
Curve Number = $[(1.12 \times 80) + (0.42 \times 98)] / 1.54$								
Q _{PRYR}	VOL _{PRYR}	Q _{OUT} (cfs)						
2 yr	6.133	11025	6.133					
5 yr	9.083	16685	9.083					
10 yr	11.08	20578	11.08					
25 yr	13.55	25528	13.55					
50 yr	15.52	29536	15.52					
100 yr	17.24	33068	17.24					

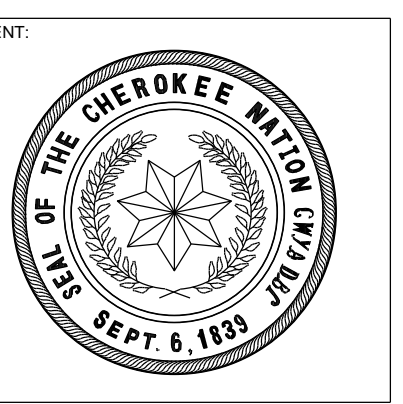
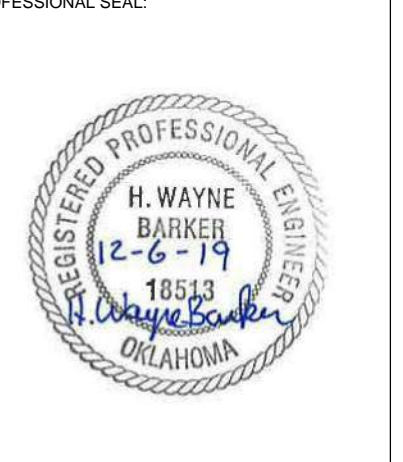
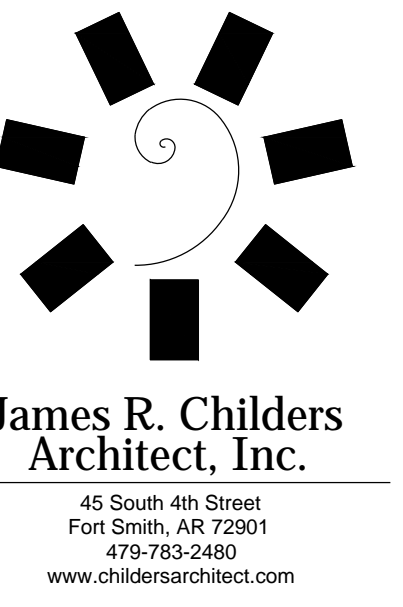
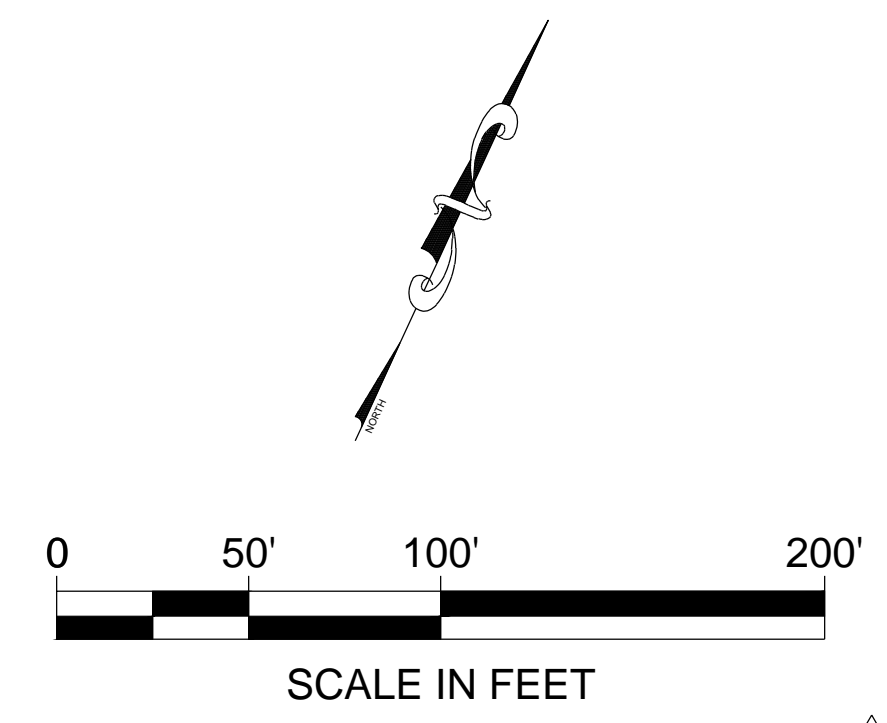
Basin	SQ.FT.	ACRE	CN	L ₀ (ft)	Sheet flow	time (min)	concentrated flow	time (min)
EAST 3	71777	1.65	93	325	300 ft @ 5%	1.91	25 ft @ 5%	0.09
Curve Number = $[(0.45 \times 80) + (1.20 \times 98)] / 1.65$								
Q _{PRYR}	VOL _{PRYR}	Q _{OUT} (cfs)						
2 yr	8.26	15900	8.26					
5 yr	11.39	22470	11.39					
10 yr	13.46	26886	13.46					
25 yr	16.04	32430	16.04					
50 yr	18.09	36878	18.09					
100 yr	19.88	40777	19.88					

Basin	SQ.FT.	ACRE	CN	L ₀ (ft)	Sheet flow	time (min)	concentrated flow	time (min)
WEST 1	89391	2.05	94	669	300 ft @ 7%	1.67	369 ft @ 3%	1.75
Curve Number = $[(0.42 \times 80) + (1.63 \times 98)] / 2.05$								
Q _{PRYR}	VOL _{PRYR}	Q _{OUT} (cfs)						
2 yr	9.37	20463	9.37					
5 yr	12.85	28678	12.85					
10 yr	15.15	34189	15.15					
25 yr	18.01	41100	18.01					
50 yr	20.29	46641	20.29					
100 yr	22.28	51495	22.28					

Basin	SQ.FT.	ACRE	CN	L ₀ (ft)	Sheet flow	time (min)	concentrated flow	time (min)
WEST 2	134565.4	3.09	94	482	300 ft @ 6.67%	1.7	182 ft @ 2%	1.06
Curve Number = $[(0.68 \times 80) + (2.41 \times 98)] / 3.09$								
Q _{PRYR}	VOL _{PRYR}	Q _{OUT} (cfs)						
2 yr	15.8	30844	15.8					
5 yr	21.63	43227	21.63					
10 yr	25.48	51534	25.48					
25 yr	30.28	61951	30.28					
50 yr	34.1	70303	34.1					
100 yr	37.44	77620	37.44					

TOTAL	Q _{PRYR}	VOL _{PRYR}
2 yr	42.794	84759
5 yr	59.319	120057
10 yr	70.288	143835
25 yr	83.936	173724
50 yr	94.805	197728
100 yr	104.299	218780

Map Unit Symbol	Map Unit Name	Soil Group	Grass Area Curve Number	Impervious Area Curve Number
DkA	Tonti gravelly silt loam	C/D	80	98
Hc	Enders-Linker-Hector Association	D	80	98
JaA	Jay silt loam	C/D	80	98
So	Sogn silty clay loam	D	80	98
Sub	Apperson silty clay loam	D	80	98



**WILMA P. MANKILLER HEALTH CENTER
 EXPANSION**
 STILLWELL, OKLAHOMA

KEY PLAN

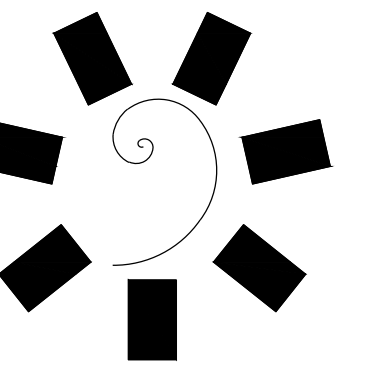
PROJECT PHASE
 BID PACKAGE 02

#	DATE	REVISIONS
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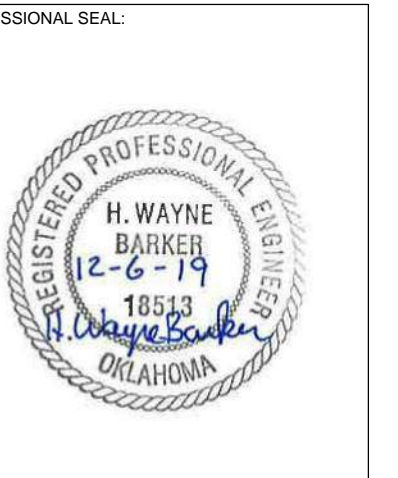
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SHEET NUMBER: CD100

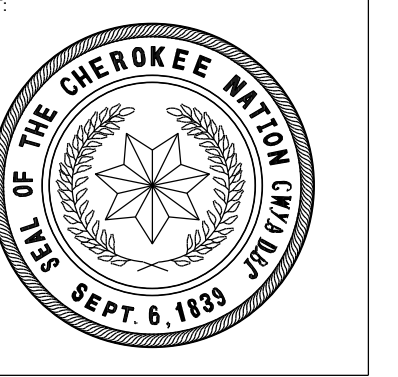
EXISTING DRAINAGE MAP



James R. Childers
Architect, Inc.
46 South 4th Street
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479-783-2460
www.childersarchitect.com



CONSULTANT LOGO
Barker
Barker & Associates
33002 UNIVERSITY BLVD
Durant, OK 74701
580.931.9045
OK, CA, MO, KS
EXP. 06/30/2020



WILMA P. MANKILLER HEALTH CENTER
EXPANSION
STILWELL, OKLAHOMA

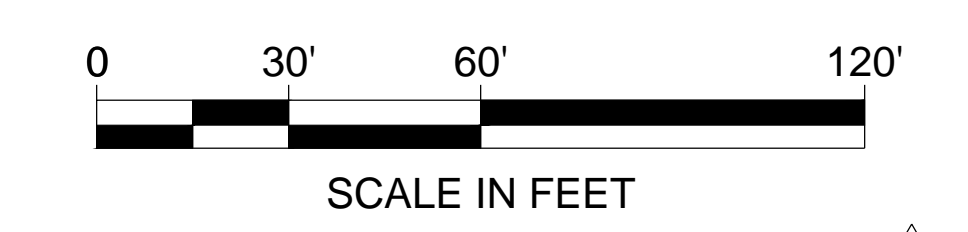
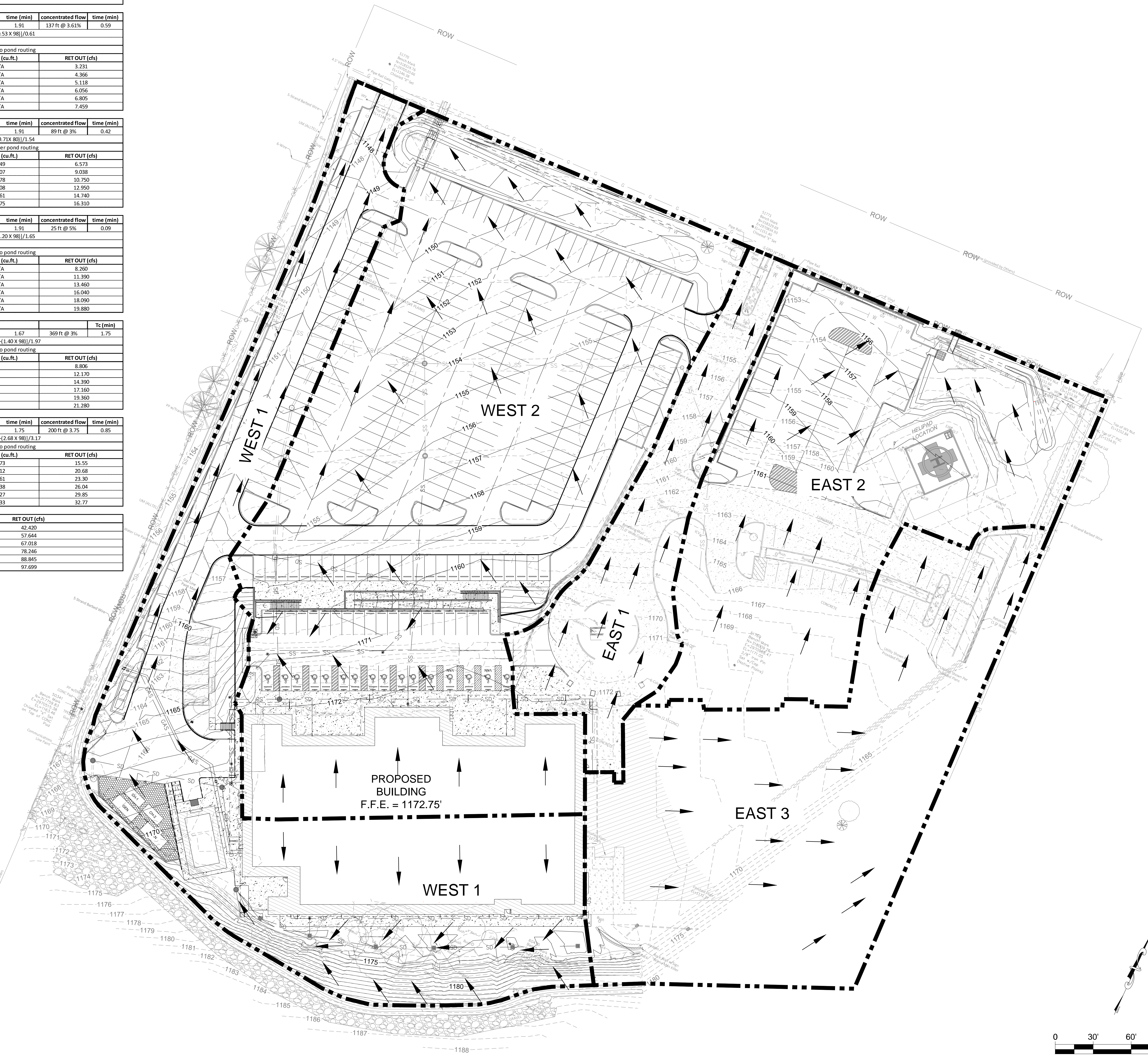
KEY PLAN
PROJECT PHASE:
BID PACKAGE 02

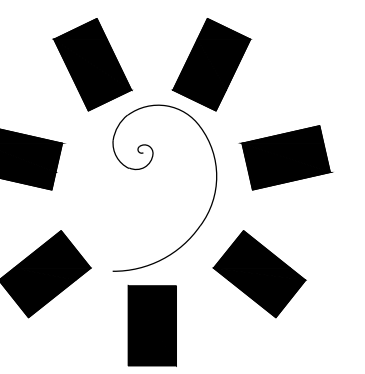
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1	02/25/20	BID PACKAGE 02 - ASI 01

DATE: 12-06-19 JOB NUMBER: 18-01.01

SHEET NUMBER:
CD101
PROPOSED DRAINAGE MAP

Proposed										
Basin	SQ. FT.	ACRE	CN	Lo (ft)	Sheet flow	time (min)	concentrated flow	time (min)		
EAST 2	26579.83	0.61	96	437	300 ft @ 5%	1.91	137 ft @ 3.61%	0.59		
Curve Number = $[(0.08 \times 80) + (0.53 \times 98)] / 0.61$										
Site outflow					No pond routing					
Q _{PRV}	VOL _{PRV}	Q _{RET}	ELEV. (ft)	Storage (cu.ft.)	RET OUT (cfs)					
2 yr	3.231	6527	0.000	N/A	N/A					
5 yr	4.366	8997	0.000	N/A	N/A					
10 yr	5.118	10648	0.000	N/A	N/A					
25 yr	6.056	12715	0.000	N/A	N/A					
50 yr	6.805	14370	0.000	N/A	N/A					
100 yr	7.459	15820	0.000	N/A	N/A					
EAST 2	66962.65	1.54	90	389	300 ft @ 5%	1.91	89 ft @ 3%	0.42		
Curve Number = $[(0.83 \times 80) + (0.71 \times 80)] / 1.54$										
Site outflow					After pond routing					
Q _{PRV}	VOL _{PRV}	Q _{RET}	ELEV. (ft)	Storage (cu.ft.)	RET OUT (cfs)					
2 yr	7.157	13321	0.584	1154.44	1049	6.573				
5 yr	10.12	19305	1.082	1154.59	1407	9.038				
10 yr	12.08	23358	1.330	1154.69	1678	10.750				
25 yr	14.520	28466	1.570	1154.8	2008	12.950				
50 yr	16.46	32575	1.720	1154.89	2261	14.740				
100 yr	18.150	36183	1.840	1154.96	2475	16.310				
EAST 3	71777	1.65	93	325	300 ft @ 5%	1.91	25 ft @ 5%	0.09		
Curve Number = $[(0.45 \times 80) + (1.20 \times 98)] / 1.65$										
Site outflow					No pond routing					
Q _{PRV}	VOL _{PRV}	Q _{RET}	ELEV. (ft)	Storage (cu.ft.)	RET OUT (cfs)					
2 yr	8.26	15900	0.000	N/A	8.260					
5 yr	11.39	22470	0.000	N/A	11.390					
10 yr	13.46	26886	0.000	N/A	13.460					
25 yr	16.04	32430	0.000	N/A	16.040					
50 yr	18.09	36878	0.000	N/A	18.090					
100 yr	19.88	40777	0.000	N/A	19.880					
EAST 1	85737.32	1.97	93	669	300 ft @ 7%	1.67	369 ft @ 3%	1.75		
COMPOSITE C value = $[(0.57 \times 80) + (1.40 \times 98)] / 1.97$										
Site outflow					No pond routing					
Q _{PRV}	VOL _{PRV}	Q _{RET}	ELEV. (ft)	Storage (cu.ft.)	RET OUT (cfs)					
2 yr	8.806	18983	0.000		8.806					
5 yr	12.17	26828	0.000		12.170					
10 yr	14.39	32100	0.000		14.390					
25 yr	17.16	38719	0.000		17.160					
50 yr	19.36	44030	0.000		19.360					
100 yr	21.280	48685	0.000		21.280					
WEST 1	138219.1	3.17	95	500	300 ft @ 6.2%	1.75	200 ft @ 3.7%	0.85		
COMPOSITE C value = $[(0.49 \times 80) + (2.68 \times 98)] / 3.17$										
Site outflow					No pond routing					
Q _{PRV}	VOL _{PRV}	Q _{RET}	ELEV. (ft)	Storage (cu.ft.)	RET OUT (cfs)					
2 yr	16.52	32766	0.970	1148.16	1073	15.55				
5 yr	22.45	45541	1.770	1148.44	1612	20.68				
10 yr	26.39	54095	3.090	1148.65	2161	23.30				
25 yr	31.28	64812	5.240	1148.98	3138	26.04				
50 yr	35.19	73399	5.340	1149.16	3827	29.85				
100 yr	38.60	80919	5.830	1149.98	4433	32.77				
TOTAL	43.974	87497	1.554		42.420					
5 yr	60.496	123141	2.852		57.644					
10 yr	71.438	147087	4.420		67.018					
25 yr	85.056	177142	6.810		78.246					
50 yr	95.905	201252	7.060		88.845					
100 yr	105.369	222384	7.670		97.699					





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EXP. 06/30/2020

CLIENT:



**WILMA P. MANKILLER HEALTH CENTER
EXPANSION**
STILWELL, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

BID PACKAGE 02

REVISIONS:

#	DATE	DESCRIPTION
1	02/25/20	BID PACKAGE 02 - ASI 01

DATE:

12-06-19

JOB NUMBER:

18-01.01

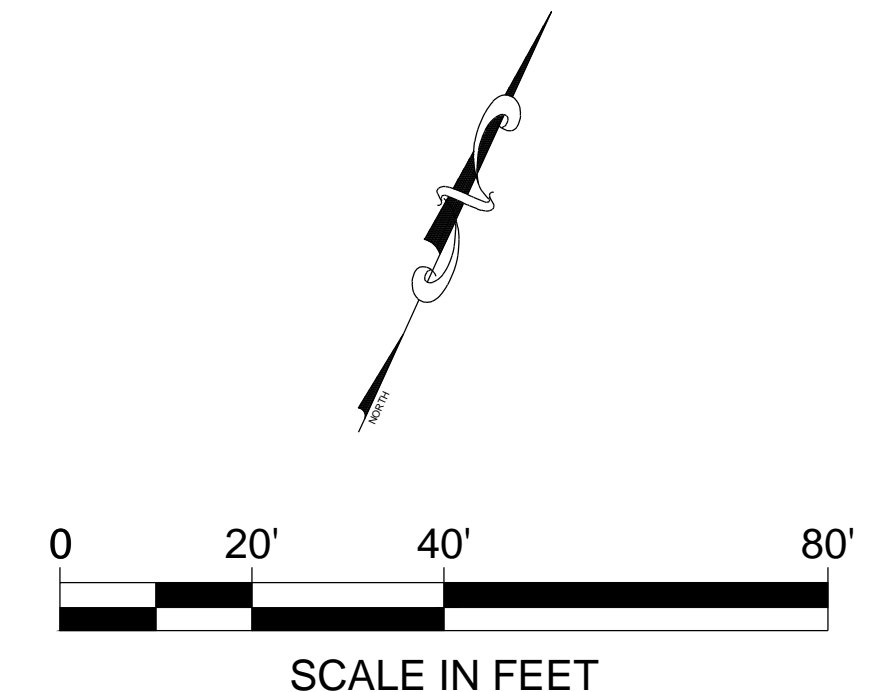
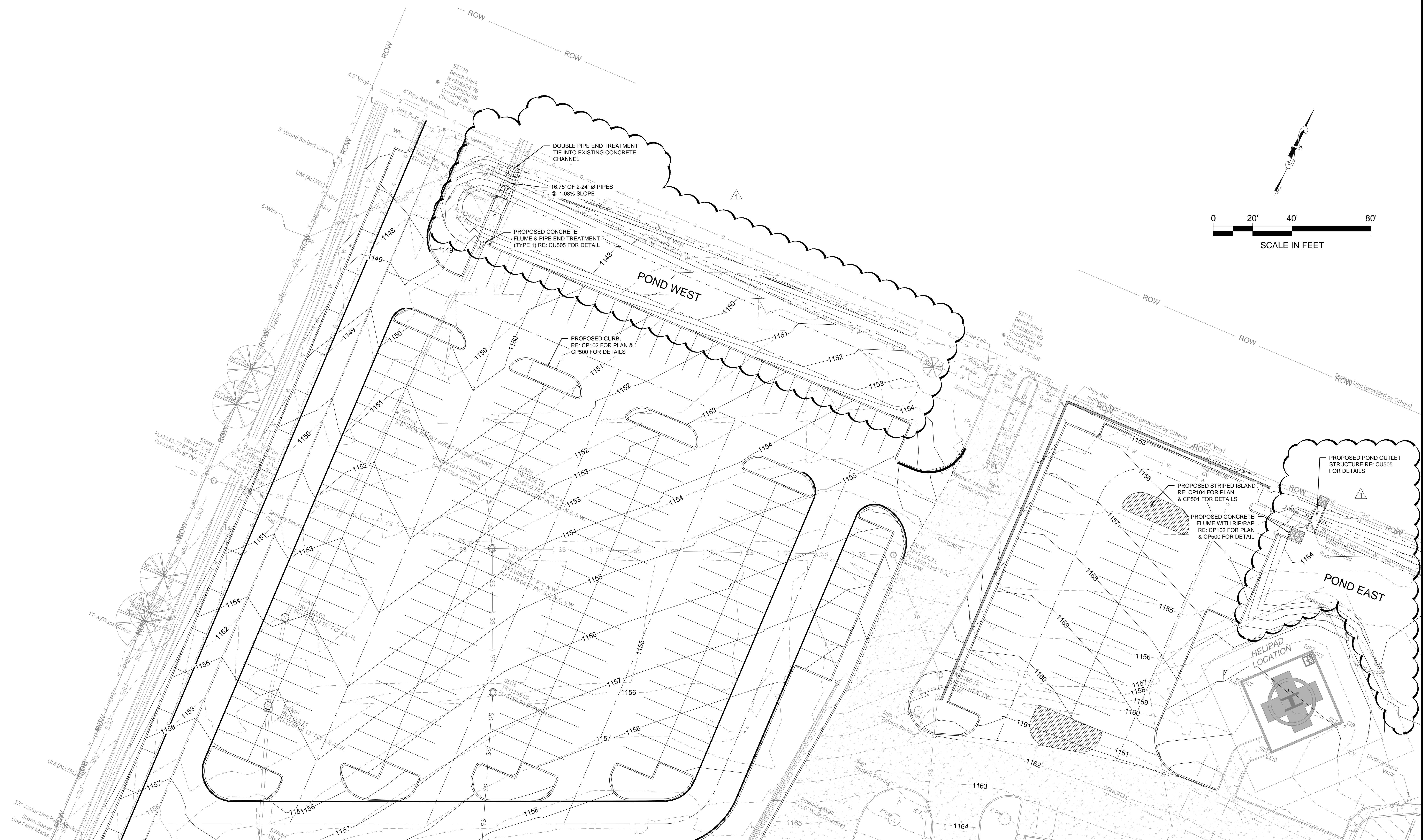
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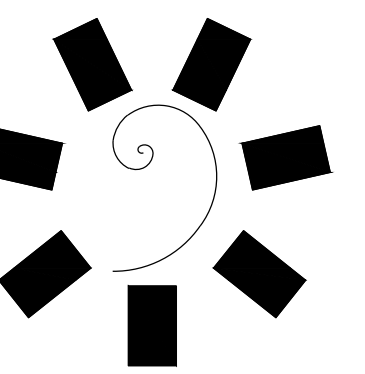
CI102

ENLARGED

PROPOSED

SITE PLAN





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CLIENT:



WILMA P. MANKILLER HEALTH CENTER
EXPANSION
STILWELL, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

BID PACKAGE 02

REVISIONS:

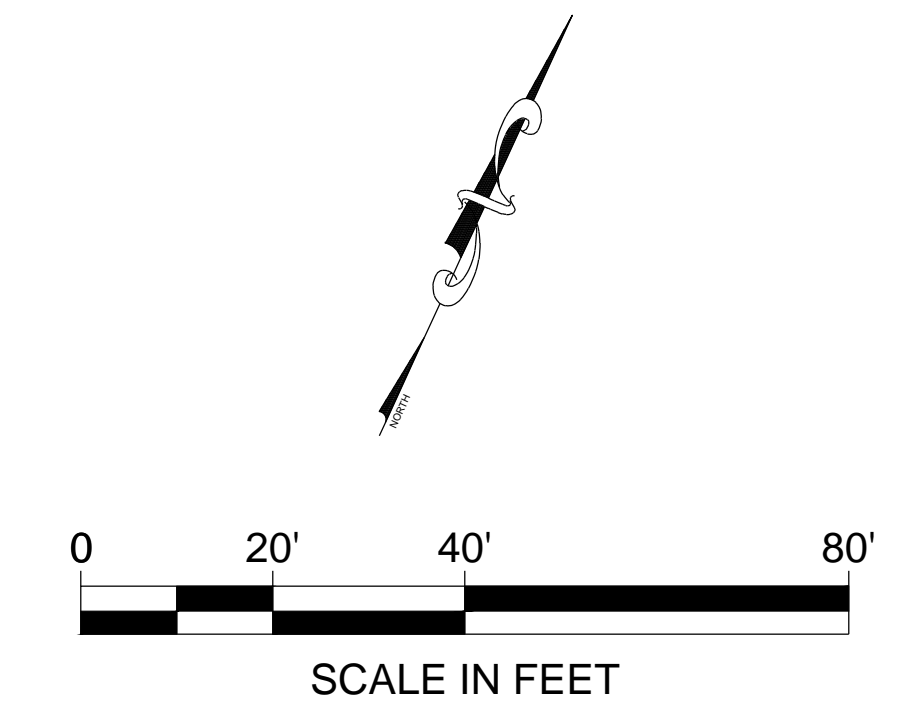
#	DATE	DESCRIPTION
1	02/25/20	BID PACKAGE 02 - ASI 01

DATE: 12-06-19 JOB NUMBER: 18-01.01

SHEET NUMBER:

CP102

ENLARGED
PAVING PLAN

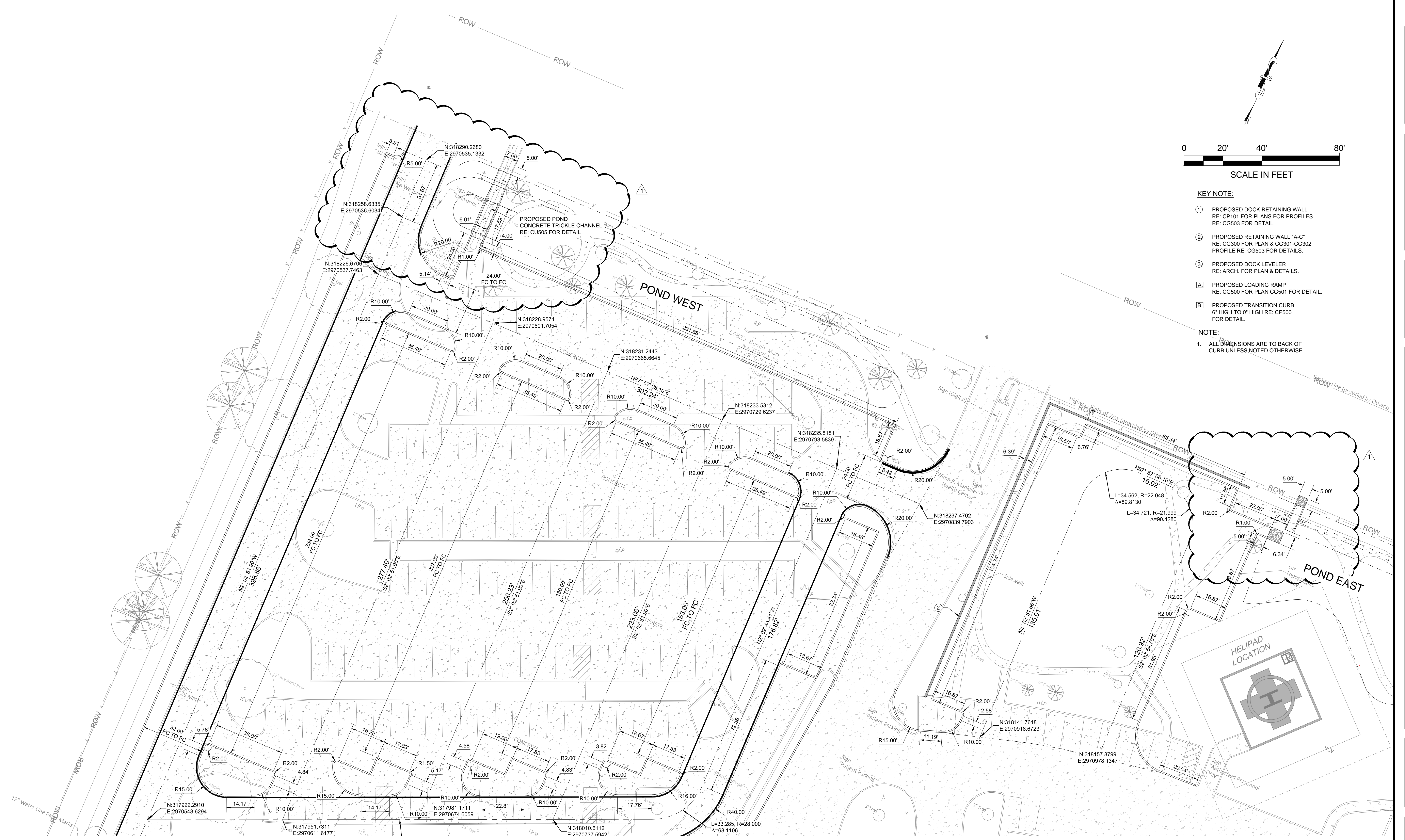


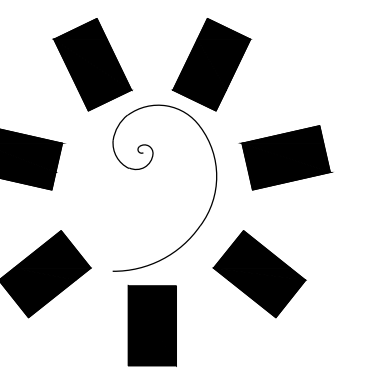
KEY NOTE:

- PROPOSED DOCK RETAINING WALL
RE: CP101 FOR PLANS FOR PROFILES
RE: CG503 FOR DETAIL.
- PROPOSED RETAINING WALL "A-C"
RE: CG300 FOR PLAN & CG301-CG302
PROFILE RE: CG503 FOR DETAILS.
- PROPOSED DOCK LEVELER
RE: ARCH. FOR PLAN & DETAILS.
- PROPOSED LOADING RAMP
RE: CG500 FOR PLAN CG501 FOR DETAIL.
- PROPOSED TRANSITION CURB
6" HIGH TO 0" HIGH RE: CP500
FOR DETAIL.

NOTE:

- ALL DIMENSIONS ARE TO BACK OF CURB UNLESS NOTED OTHERWISE.





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CLIENT:



WILMA P. MANKILLER HEALTH CENTER
EXPANSION
STILWELL, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

BID PACKAGE 02

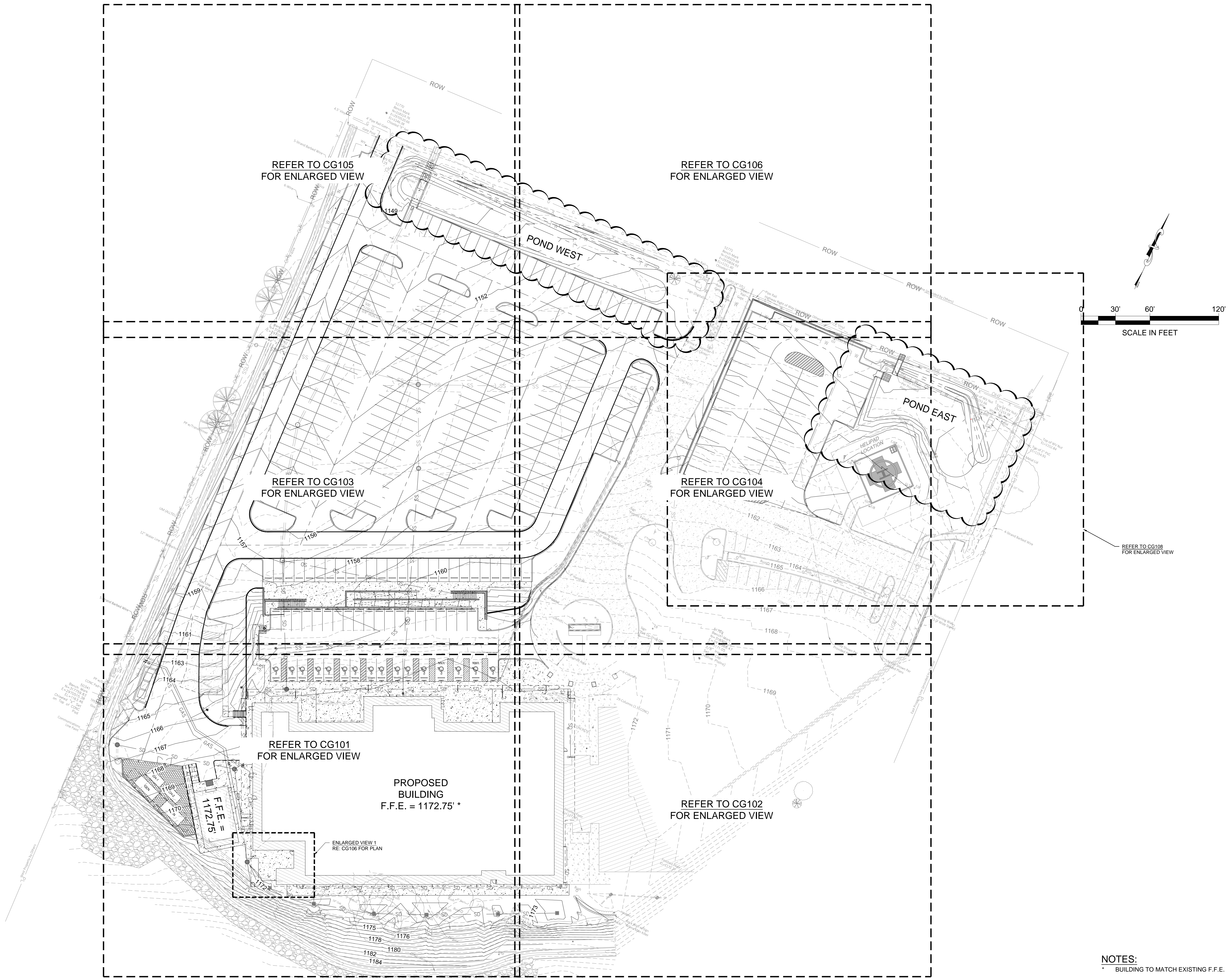
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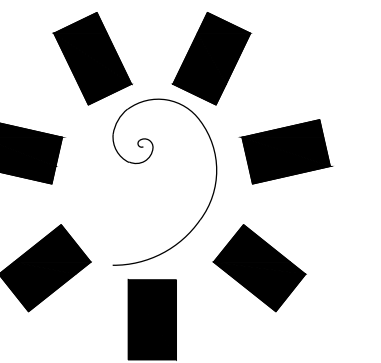
SHEET NUMBER:

CG100

OVERALL
GRADING PLAN



NOTES:
* BUILDING TO MATCH EXISTING F.F.E.



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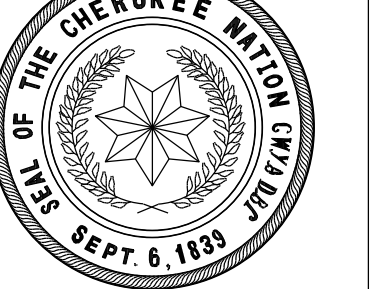


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**WILMA P. MANKILLER HEALTH CENTER
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STILWELL, OKLAHOMA

KEY PLAN

PROJECT PHASE

BID PACKAGE 02

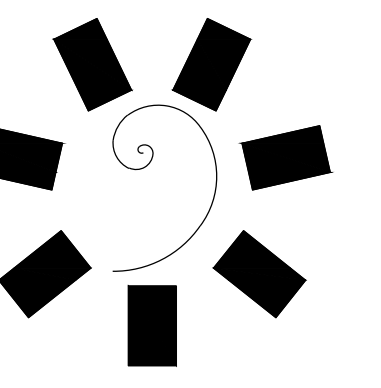
#	DATE	REVISIONS
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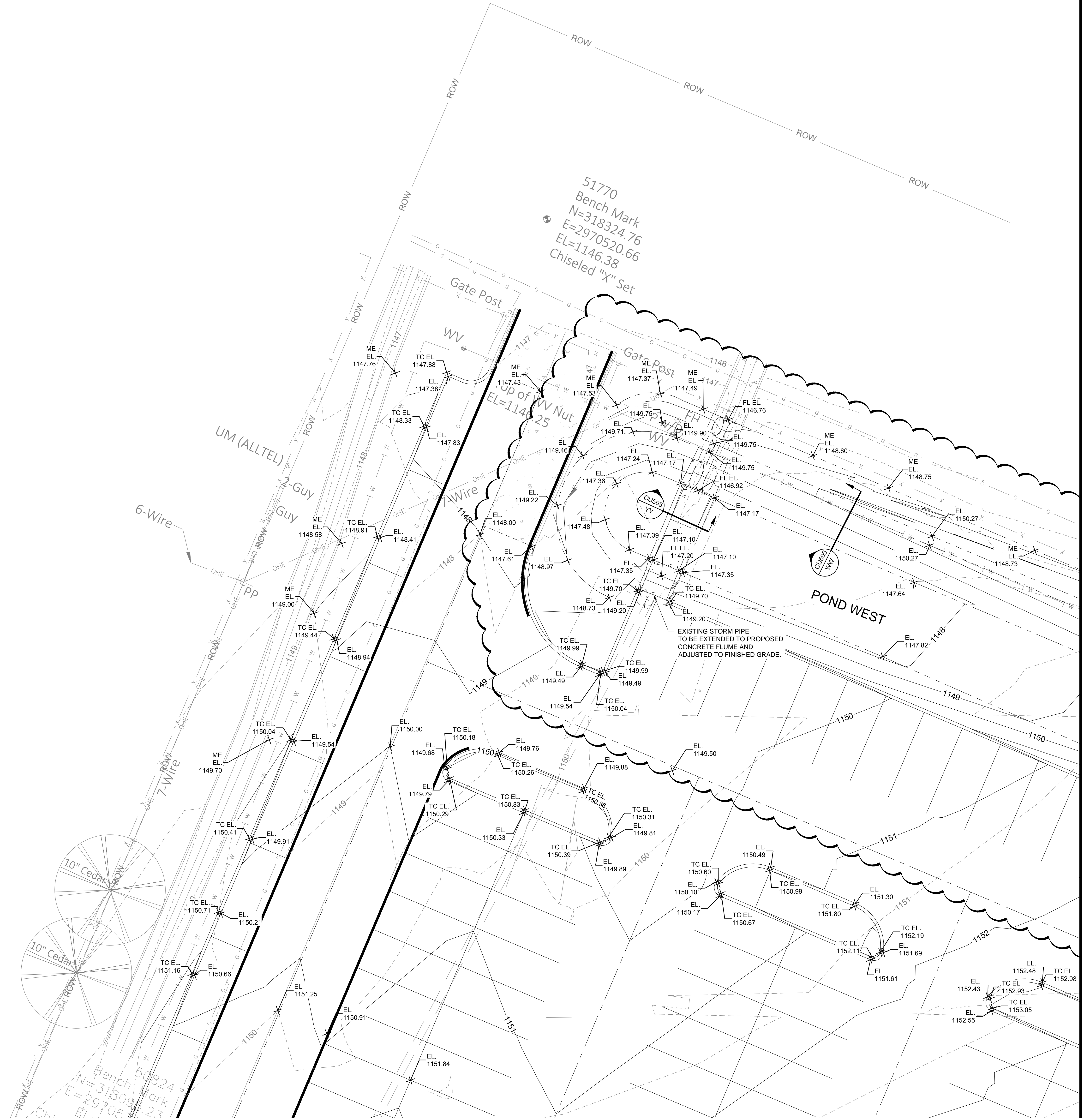
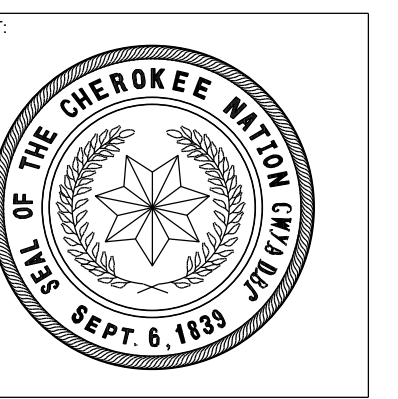
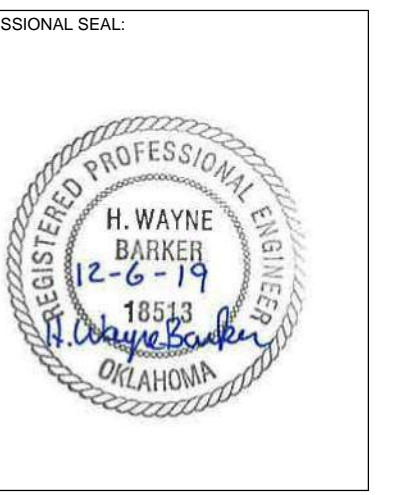
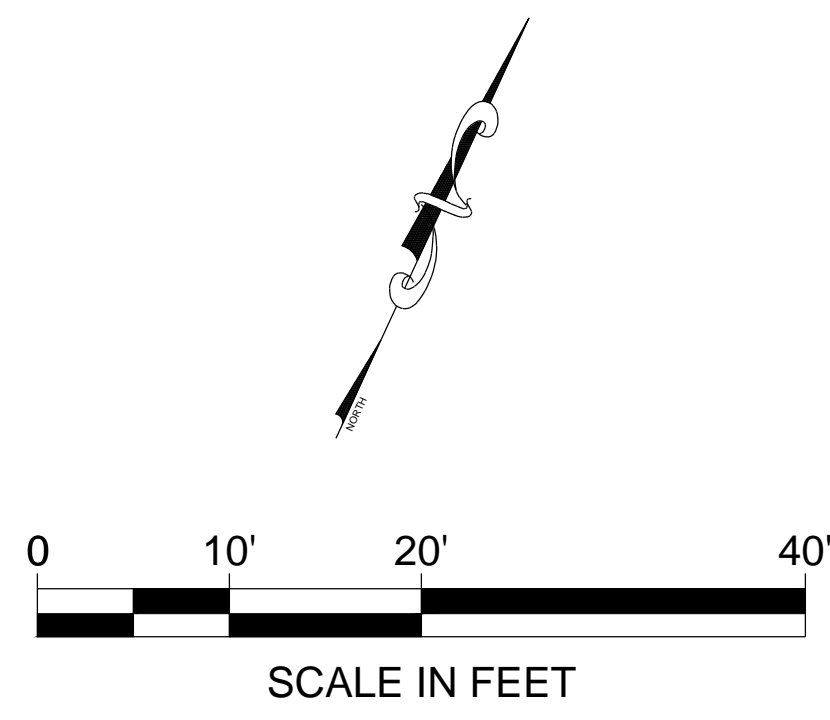
SHEET NUMBER: CG104

ENLARGED
GRADING PLAN





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**WILMA P. MANKILLER HEALTH CENTER
EXPANSION**
STILWELL, OKLAHOMA

KEY PLAN:

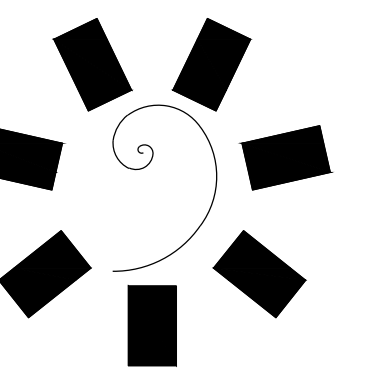
PROJECT PHASE:
BID PACKAGE 02

#	DATE	REVISION
1	02/25/20	BID PACKAGE 02 - ASI 01

DATE: 12-06-19 JOB NUMBER: 18-01.01

SHEET NUMBER: CG105

ENLARGED
GRADING PLAN



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PROFESSIONAL SEAL:



CONSULTANT LOGO:



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EXP. 06/30/2020

CLIENT:



**WILMA P. MANKILLER HEALTH CENTER
EXPANSION**
STILWELL, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

BID PACKAGE 02

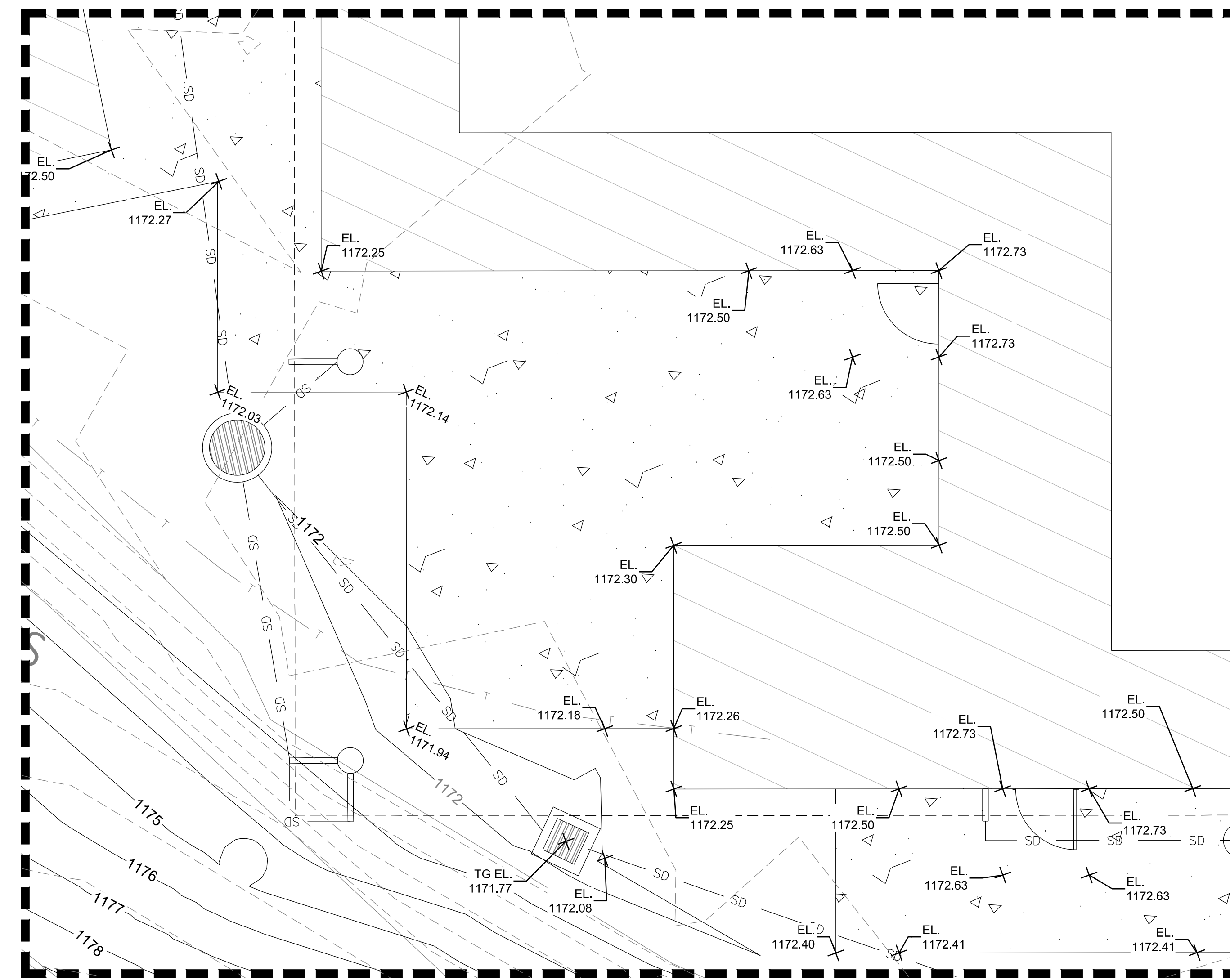
REVISIONS:

#	DATE	REVISION
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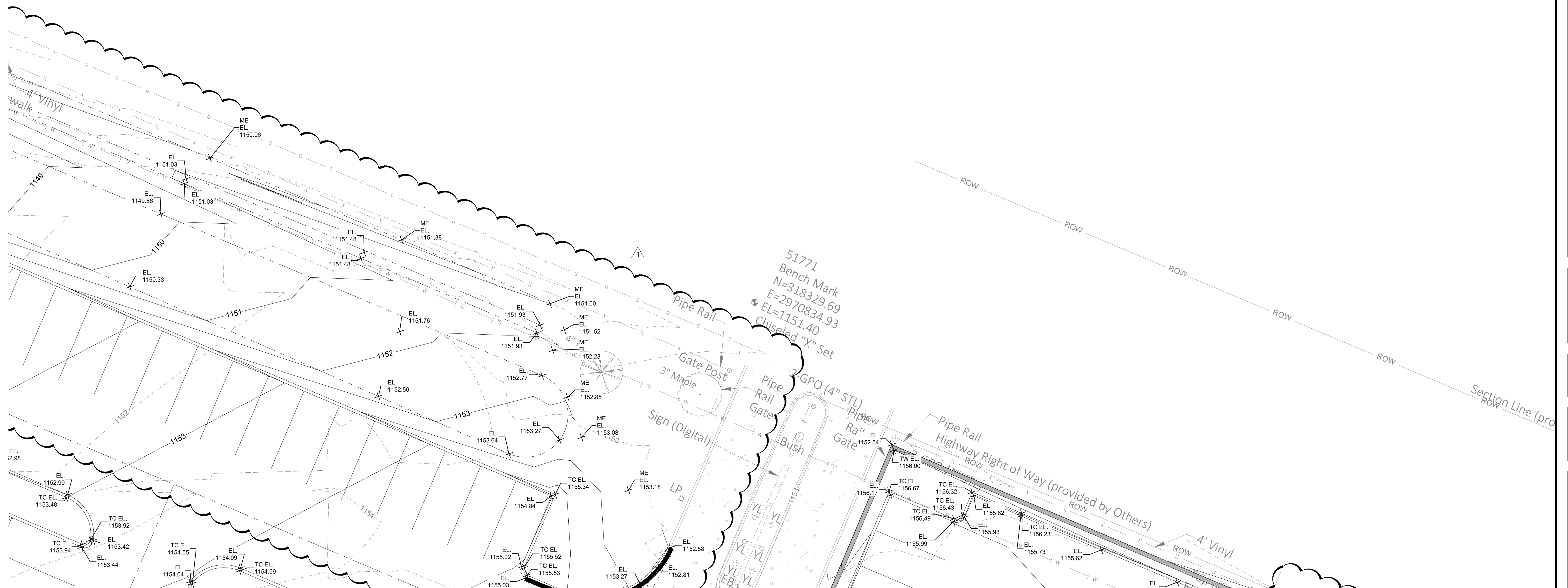
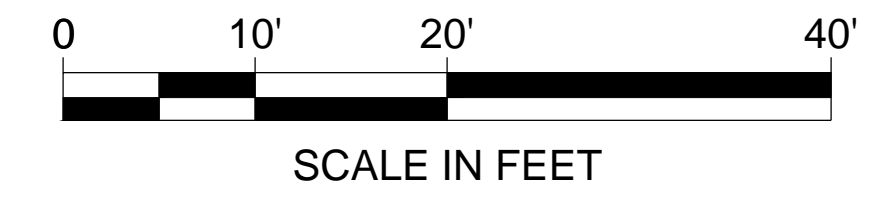
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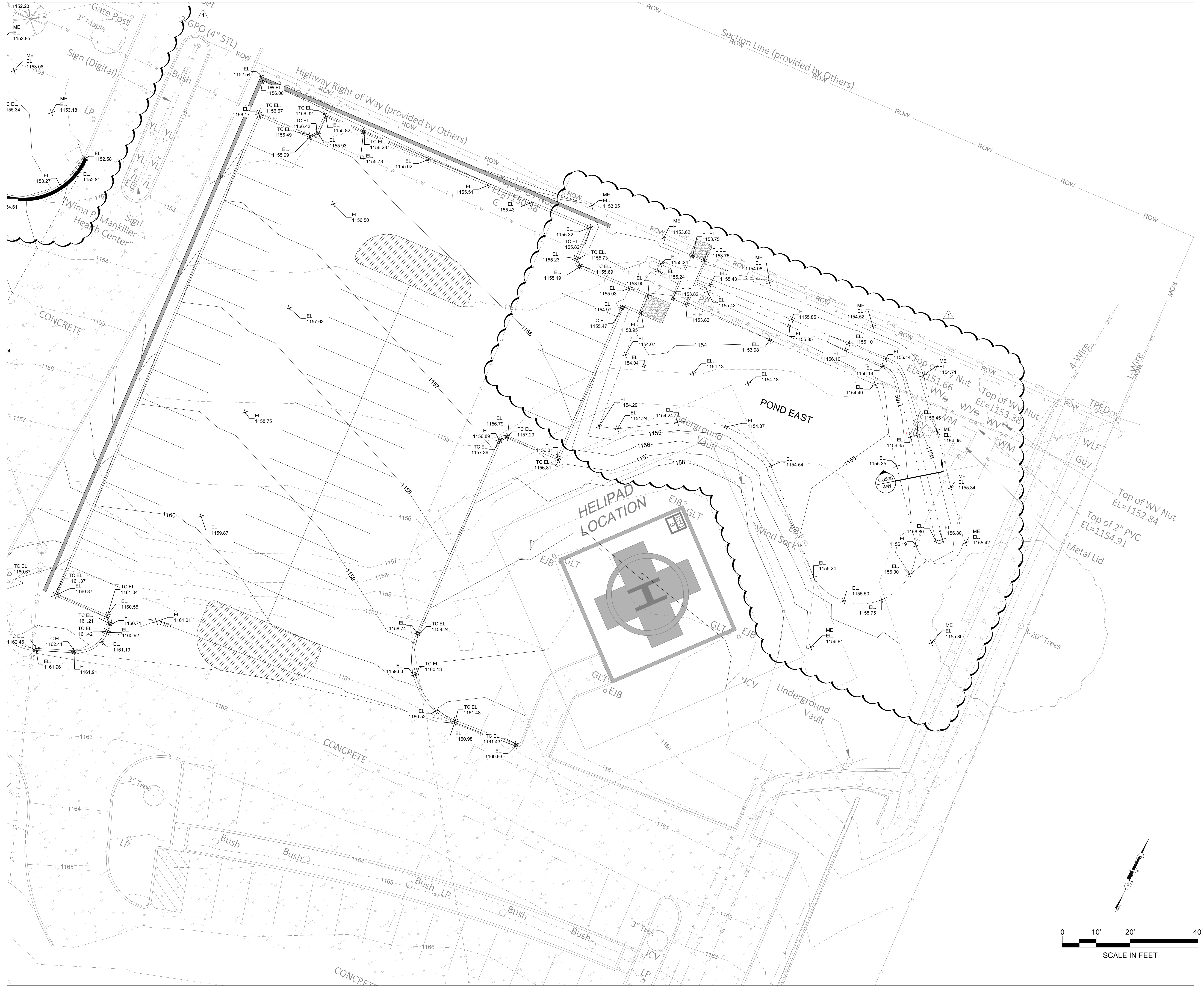
SHEET NUMBER: CG106

ENLARGED GRADING PLAN



ENLARGED VIEW 1
REFER TO CG101
FOR LOCATION
1" = 5' SCALE





**WILMA P. MANKILLER HEALTH CENTER
EXPANSION**
STILWELL, OKLAHOMA

KEY PLAN

PROJECT PHASE

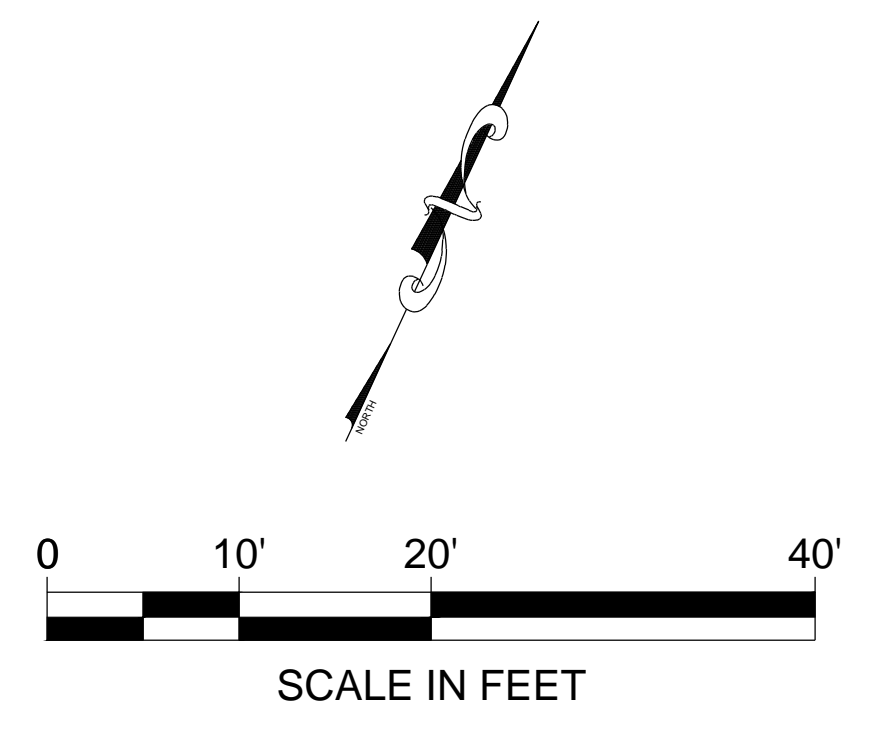
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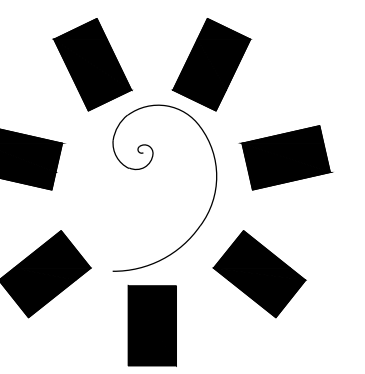
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1	02/25/20	BID PACKAGE 02 - ASI 01

DATE:	12-06-19	JOB NUMBER:	18-01.01
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SHEET NUMBER:
CG108

**ENLARGED
GRADING PLAN**





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PROFESSIONAL SEAL:

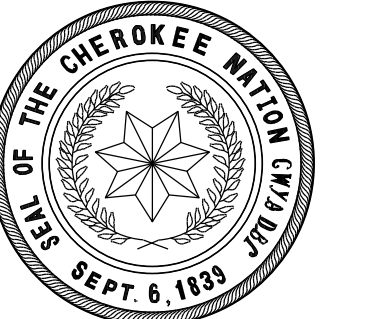


CONSULTANT LOGO:



Barker & Associates
39402 UNIVERSITY BLVD
Durant, OK 74701
580.931.9045
OK, CA, 30198
EXP. 06/30/2020

CLIENT:



WILMA P. MANKILLER HEALTH CENTER
EXPANSION
STILWELL, OKLAHOMA

KEY PLAN:

PROJECT PHASE:

BID PACKAGE 02

REVISIONS:

#	DATE	DESCRIPTION
1	02/25/20	BID PACKAGE 02 - ASI 01

DATE:

12-06-19

JOB NUMBER:

18-01-01

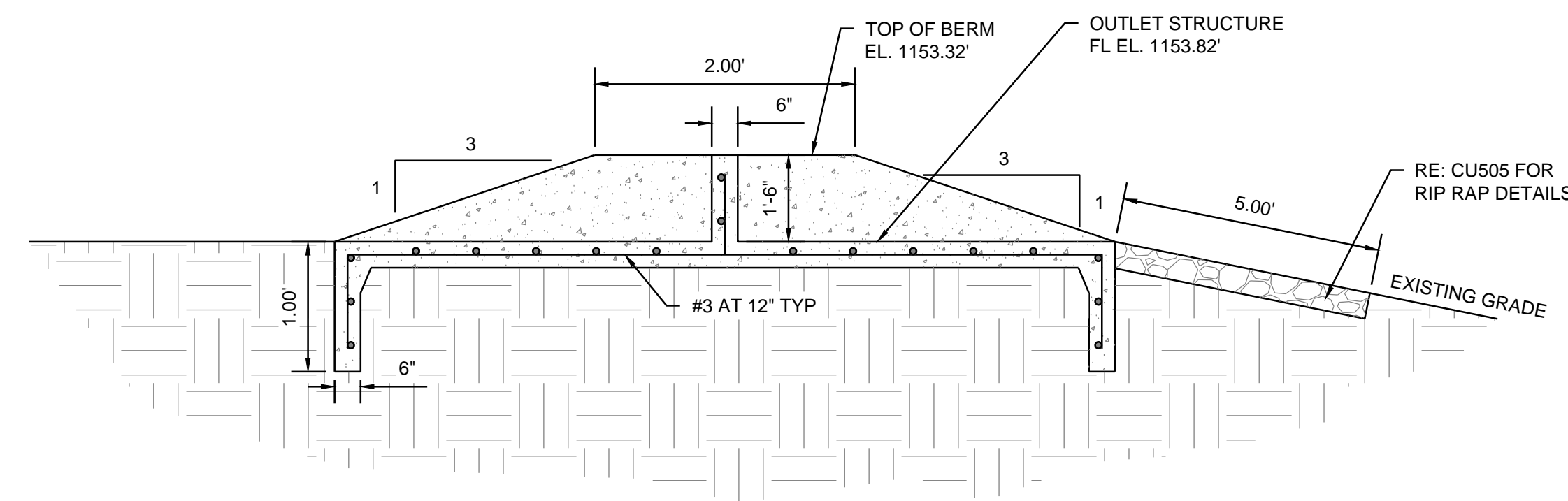
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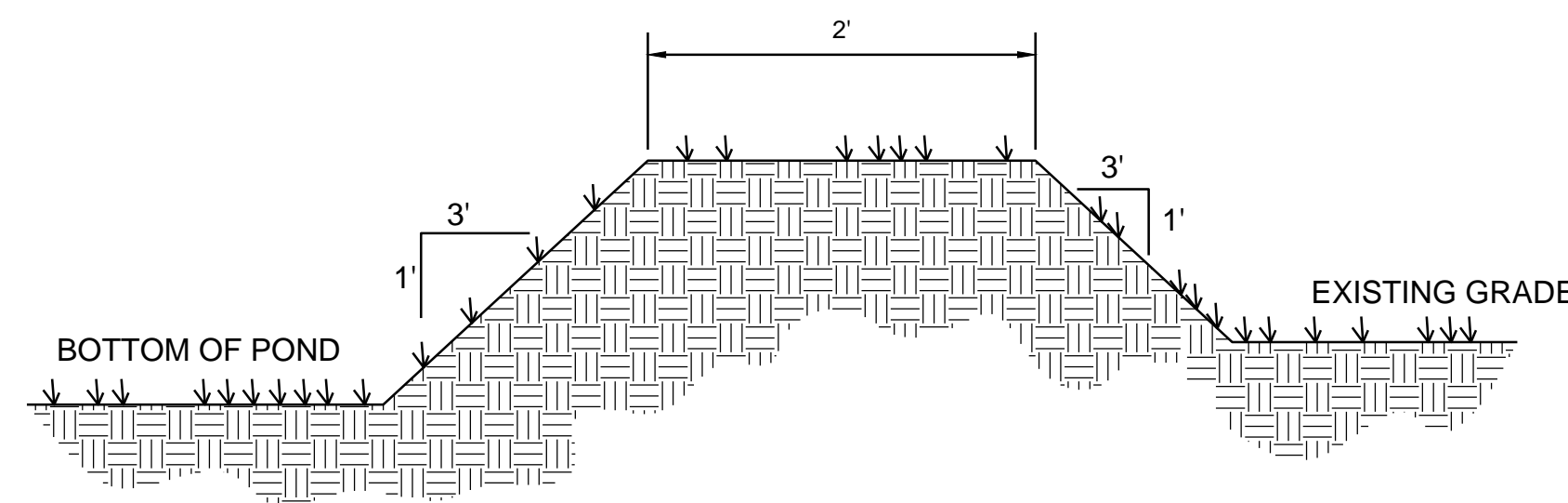
POND

WEST & EAST

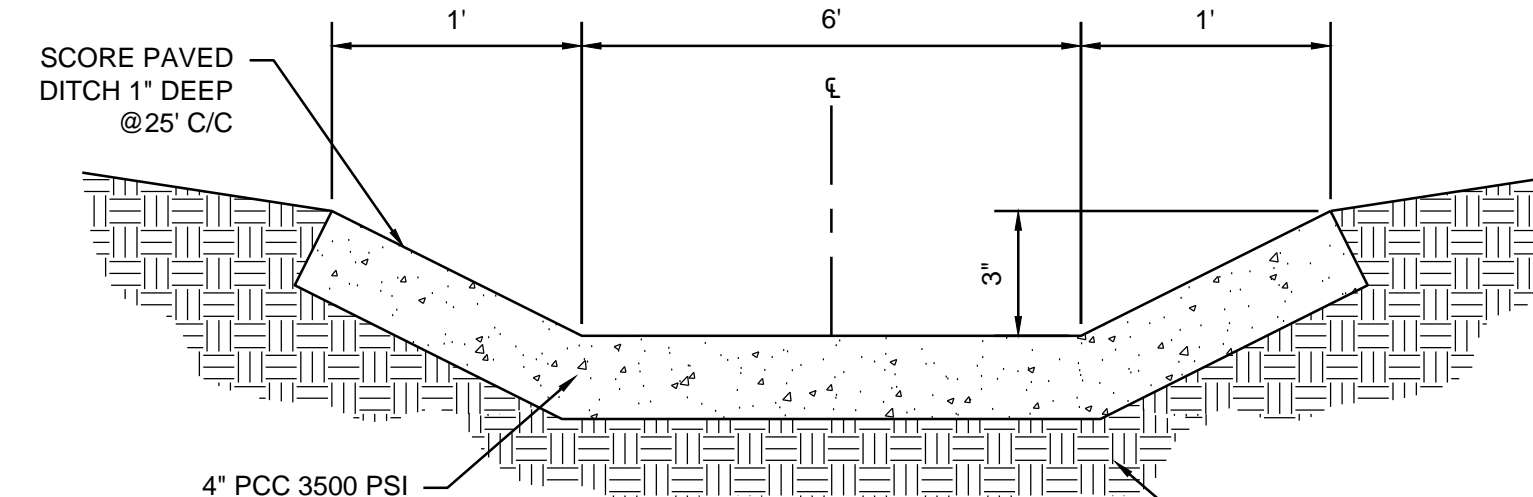
DETAILS



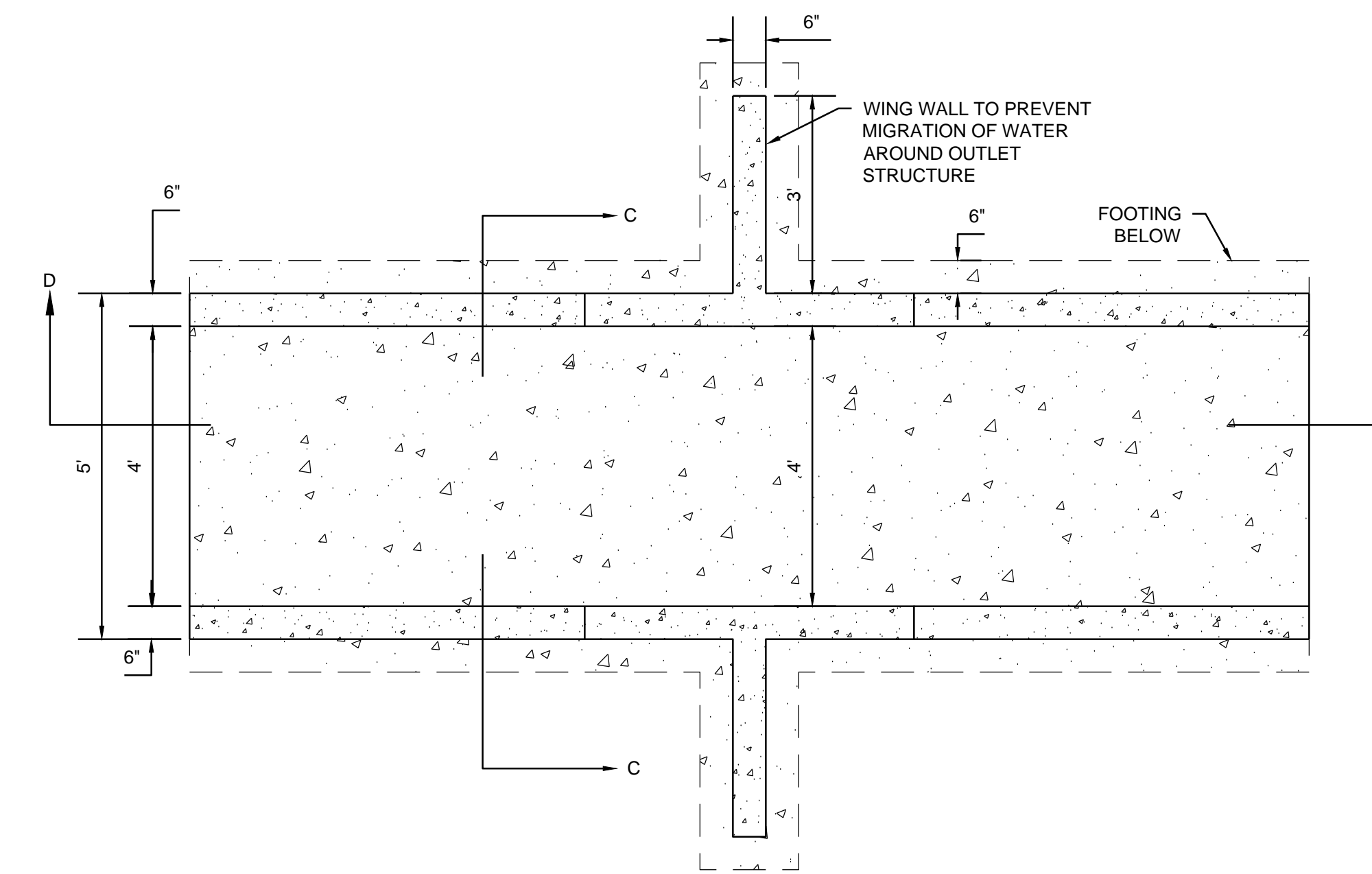
POND OUTLET STRUCTURE
SECTION D-D
NOT TO SCALE



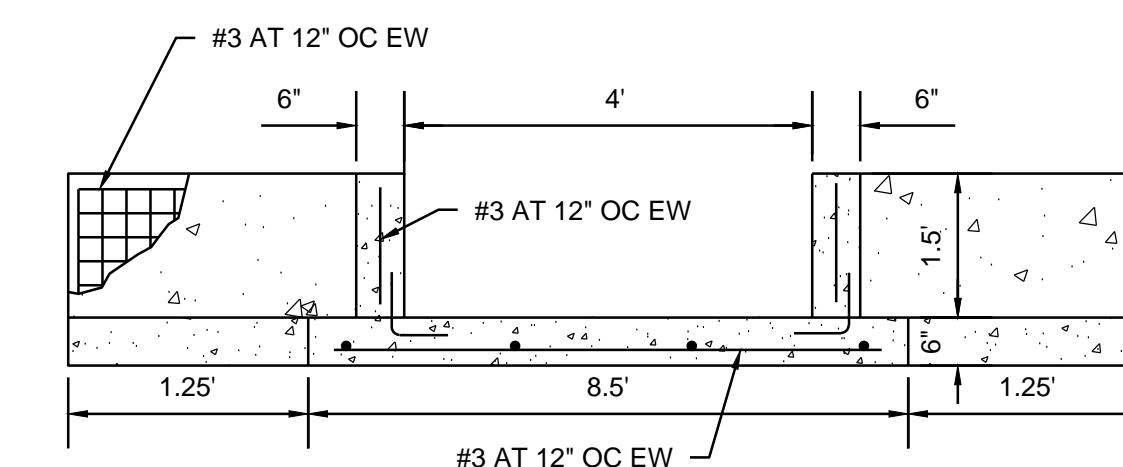
POND BERM SECTION
SECTION \"W-W\" DETAIL
NTS



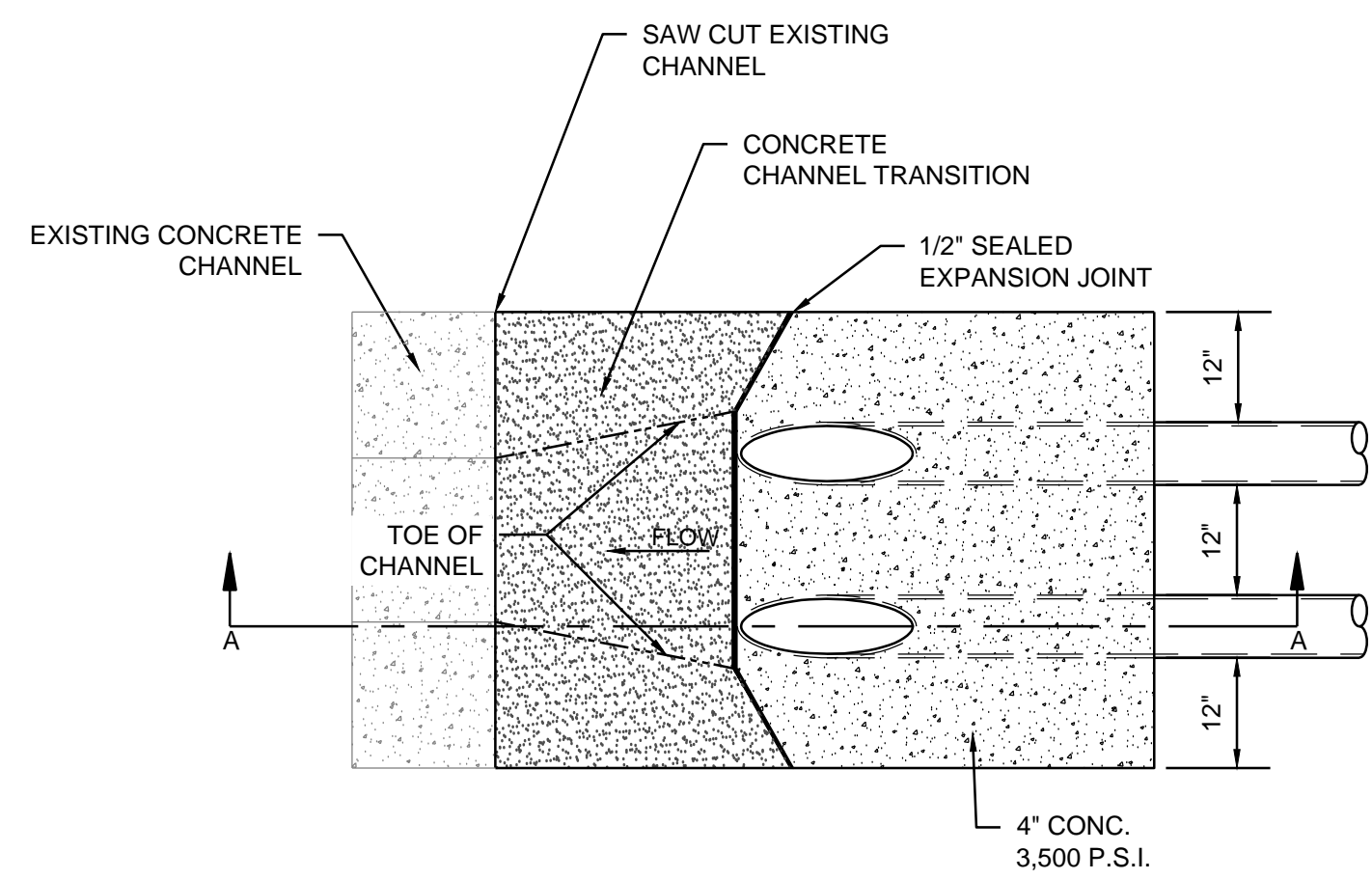
POND TRICKLE CHANNEL
SECTION \"Y-Y\" DETAIL
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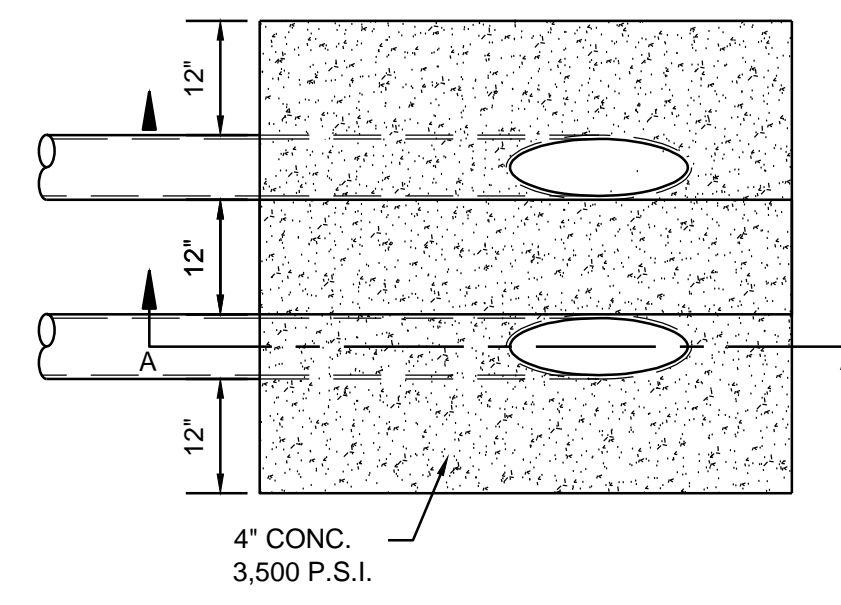
POND OUTLET STRUCTURE
SECTION C-C
NOT TO SCALE



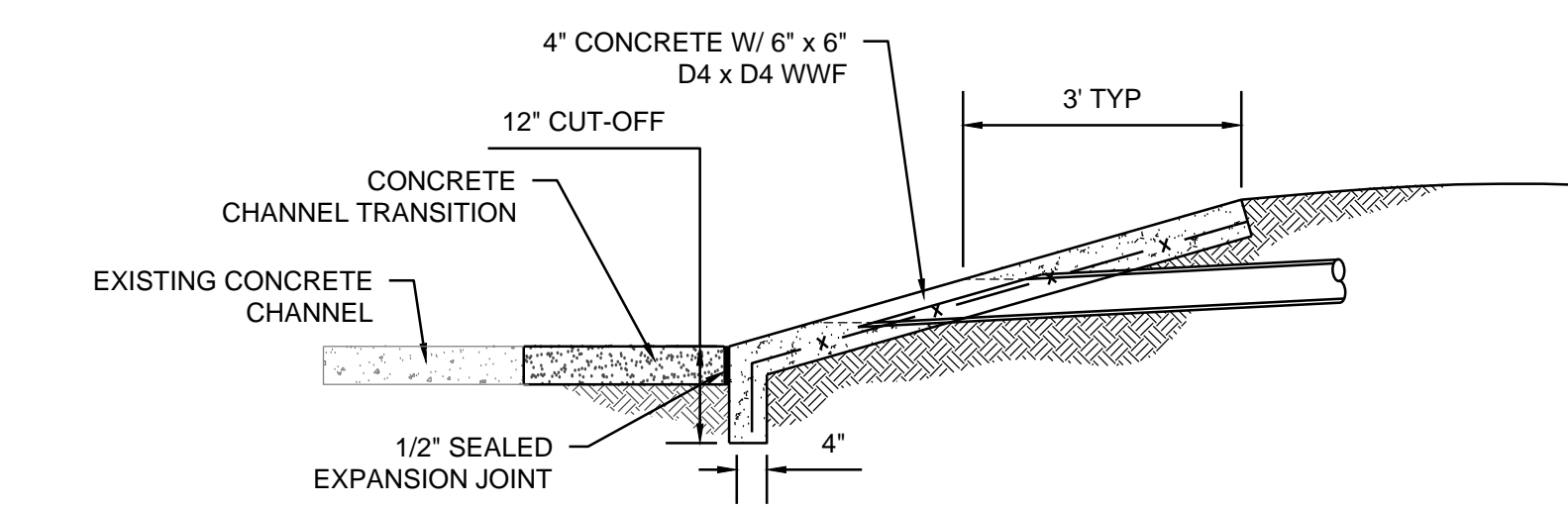
POND OUTLET STRUCTURE
SECTION C-C
NOT TO SCALE



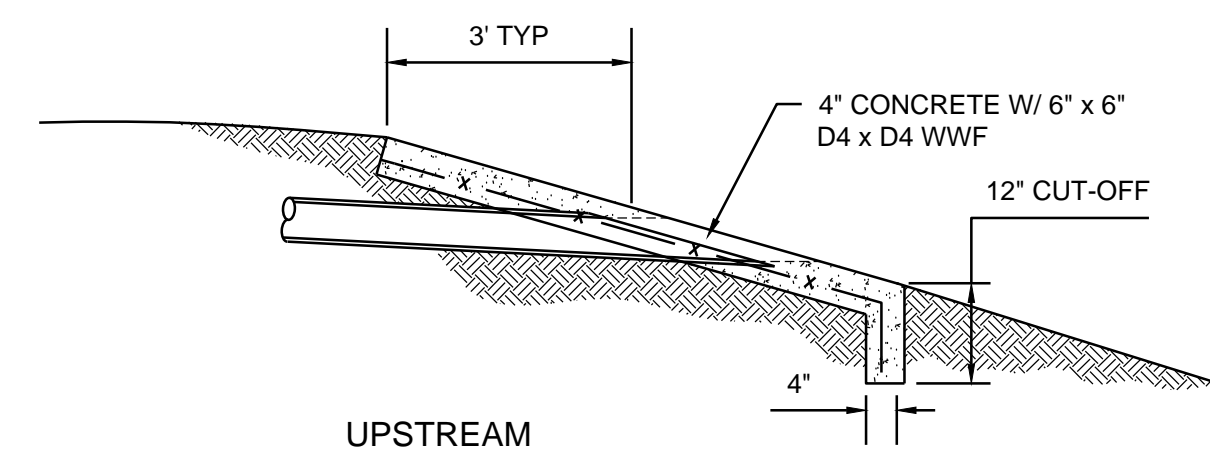
SECTION A-A
DOWNSTREAM



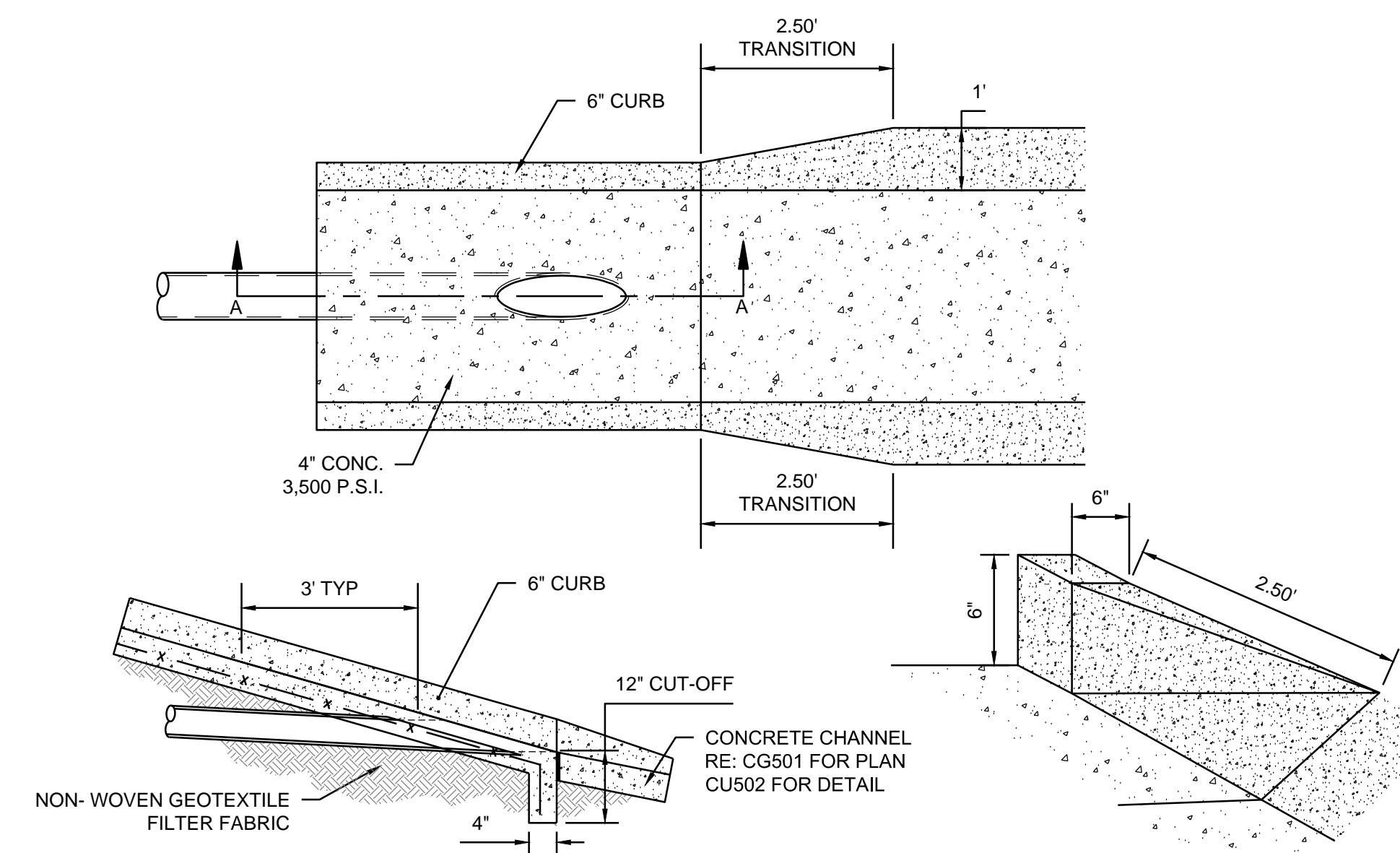
SECTION A-A
UPSTREAM



SECTION A-A
DOWNSTREAM



SECTION A-A
UPSTREAM



TRANSITION FROM CURB
FLUME TO CHANNEL
NOT TO SCALE

PIPE END TREATMENT (TYPE 1)
NOT TO SCALE

NOTES:

1. IN A WELL - DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION EQUAL TO THE TOP OF THE BANK.
2. A FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP RAP AND SOIL FOUNDATION. AASHTO M-288-97 CLASS 2.
3. MEDIAN STONE DIAMETER $D_{50} = 8"$
4. TRIM PIPE TO FIT SLOPE.

NOTES:

1. LA IS THE LENGTH OF RIPRAP APRON SEE PLAN.
2. LB IS THE LENGTH OF RIPRAP APRON SEE PLAN.
3. $D = 1.5$ TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 9 INCHES.
4. IN A WELL - DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION EQUAL TO THE TOP OF THE BANK.
5. A FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP RAP AND SOIL FOUNDATION. AASHTO M-288-97 CLASS 2.
6. MEDIAN STONE DIAMETER $D_{50} = 8"$

DOUBLE PIPE END TREATMENT
N.T.S.

