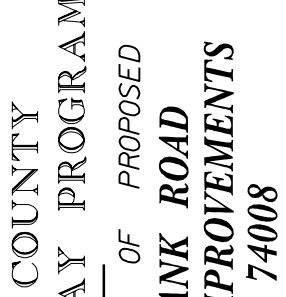
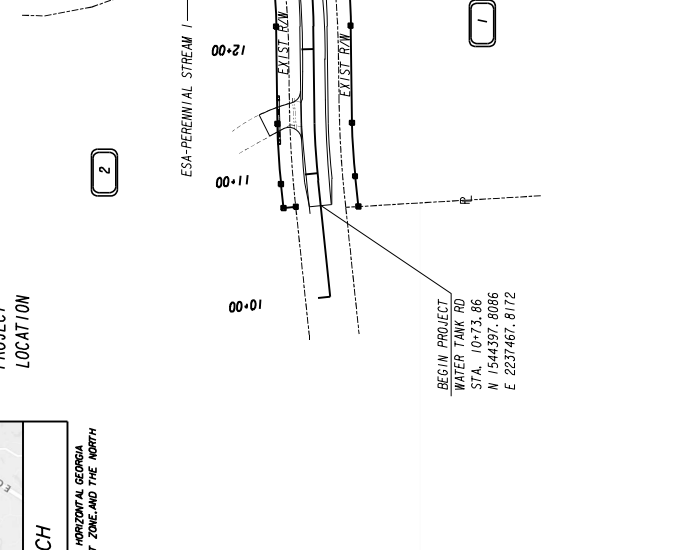


CHEROKEE COUNTY SPLOST ROADWAY PROGRAM PLAN AND PROFILE OF PROPOSED WATER TANK ROAD DRAINAGE IMPROVEMENTS PROJECT 74008



LOCATION SKETCH

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 83) IN WEST ZONE AND THE NORTH AMERICAN VERTICAL DATUM (NAVD83) OF 1988.



PROJECT LOCATION

LENGTH OF PROJECT	LAND LOT 924
County: Cherokee (057)	MILES
NET LENGTH OF ROADWAY	0.34
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	0.34
GROSS LENGTH OF ALIGNMENTS	0.000
GROSS LENGTH OF PROJECT	0.34

DESIGN DATA
FUNCTIONAL CLASS: WATER TANK RD - LOCAL (RURAL)
TRAFFIC A.D.T.: N/A
DIRECTIONAL DIST.: N/A
% TRUCKS: N/A
SPEED DESIGN: 25 MPH
PROJECT DESIGNATION: EXEMPT

THE DATA TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY WHETHER BY DRAWINGS OR NOTES OR IN ANY OTHER MANNER ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY AND NOT GUARANTEED AND DO NOT BIND CHEROKEE COUNTY. THE CONTRACTOR SHALL BE SPECIFICALLY DIRECTED TO SUBSECTIONS 602.04, 602.05 AND 604.03 OF THE SPECIFICATION.

PREPARED BY: CHARLIE A. LANZ, PE

PLANS COMPLETED 12-06-2023

REVISIONS

DRAWING NO. 01-0001

SCALE IN FEET
0 50 100 200

PLANS PREPARED BY:
CALCO
ENGINEERING



DESCRIPTION

INDEX	DESCRIPTION	DATE
1-0001	Cover	9/17/2001
2-0001	Index	9/28/2001
4-0001	General Notes	6/9/2006
5-0001	Typical Sections	1/28/2005
6-0001	Summary Quantities	9/30/2017
9-0001	Detailled Estimate	9/30/2017
13-0001 to 13-0002	Mainline Plan	9/30/2017
15-0001	Mainline Roadway Profile	9/30/2017
17-0001	Driveway Profiles	9/30/2017
21-0001	Drainage Area Map	9/30/2017
22-0001	Drainage Profiles	9/30/2017
23-0001 to 23-0004	Cross Sections	9/30/2017
24-0000 to 24-0002	Utility Plans	9/30/2017
26-0001 to 26-0002	Signing and Marking Plans	9/30/2017
39-0001 to 39-0003	Perennial Stream Plans	6/27/1985
52-0001 to 52-0007	Erosion Control Legend and Uniform Code Sheets	3/1/1985
54-0001 to 54-0004	BMP Location Details	4/10/2006
60-0001 to 60-0005	Right of Way Plans	

LIST OF APPLICABLE GEORGIA DOT STANDARDS

STD. NO.	DESCRIPTION	DATE
1030d1	Concrete and Metal Pipe Culverts Sheet 1 of 3	9/17/2001
1030d2	Concrete and Metal Pipe Culverts Sheet 2 of 3	9/28/2001
1120	Flared End Sections for Pipes	6/9/2006
1122-1	Safety End Section (Metal) for Side Drain pipe-or Storm Drain Pipe Parallel to Mainline (Sheet 1 of 3)	1/28/2005
2402-1	Reinforced Concrete Box Culvert (Sheet 1 of 3)	9/30/2017
2402-1	Reinforced Concrete Double Box Culvert (Sheet 1 of 3)	9/30/2017
2402-2-B	Reinforced Concrete Double Box Culvert 5' x 3' and 5' x 4' (Sheet 2-B of 3)	9/30/2017
2402-3	Reinforced Concrete Double Box Culvert (Sheet 3 of 3)	9/30/2017
2405-1	Reinforced Concrete Skewed Wingwalls, Toe walls And Parapets for 75 Deg, 60 Deg and 45 Deg Skews (Sheet 1 of 3)	9/30/2017
2405-2	Reinforced Concrete Skewed Wingwalls, Toe walls And Parapets for 75 Deg and 60 Deg Skews (Sheet 2 of 3)	9/30/2017
2405-3	Reinforced Concrete Skewed Wingwalls, Toe walls And Parapets for 45 Deg Skew (Sheet 3 of 3)	9/30/2017
2406-1	Concrete Box Culvert Aprons and Baffles Detail (Sheet 1 of 2)	9/30/2017
2406-2	Concrete Box Culvert Aprons and Baffles Detail (Sheet 2 of 2)	9/30/2017
2530p	Precast Box Culvert Barrels 4 x 3 thru 10 x 10 Single and Multiple Lines	6/27/1985
2535p	Precast Box Culvert Ends - Wingwalls, Parapets Toe walls and Aprons	3/1/1985
9003	Federal Aid and State Project Markers: Right of Way Markers: County Line Marker	4/10/2006

LIST OF APPLICABLE GEORGIA DOT DETAILS

DET. NO.	DESCRIPTION	DATE
D-24A	Temporary Silt Fence (Sheet 1 of 4)	1/19/2011
D-24B	Temporary Silt Fence Berm Ditch Installation, Brush Barrier (Sheet 2 of 4)	1/19/2011
D-24C	Temporary Silt Fence L-Hooks, Inlet Sediment Traps (Sheet 3 of 4)	1/19/2011
D-24D	Temporary Silt Fence Fabric Check Dam (Sheet 4 of 4)	7/1/2015
D-35	Permanent Soil Reinforcing Mat (Turf Reinforcing Mat) Installation on ditches	1/19/2011
D-41	Construction Exit	11/4/2020
D-43	Rock Filter Dam	4/22/2016
D-48	Fish Passage Culvert Concrete Weirs	11/7/2011
EC-L1	Erosion Control Legend and Uniform Code Sheet (Sheet 1 of 7)	3/2/2017
EC-L2	Erosion Control Legend and Uniform Code Sheet (Sheet 2 of 7)	11/28/2018
EC-L3	Erosion Control Legend and Uniform Code Sheet (Sheet 3 of 7)	3/2/2017
EC-L4	Erosion Control Legend and Uniform Code Sheet (Sheet 4 of 7)	3/2/2017
EC-L5	Erosion Control Legend and Uniform Code Sheet (Sheet 5 of 7)	3/2/2017
EC-L6	Erosion Control Legend and Uniform Code Sheet (Sheet 6 of 7)	11/28/2018
EC-L7	Erosion Control Legend and Uniform Code Sheet (Sheet 7 of 7)	3/2/2017
T-11a	DETAILS OF PAVEMENT MARKING PLACEMENT ON NONLIMITED ACCESS ROADWAY	9/15/2016
T-15a	DETAILS OF RAISED PAVEMENT MARKER LOCATION	9/15/2016
T-15c	DETAILS OF RAISED PAVEMENT MARKERS	9/22/2011

INDEX

WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

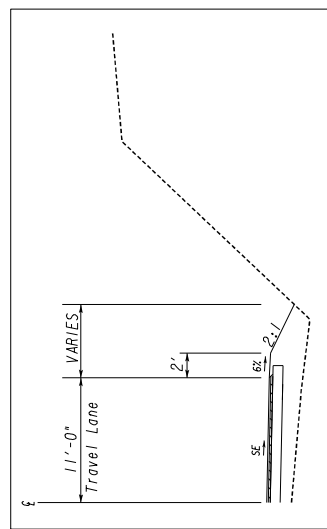
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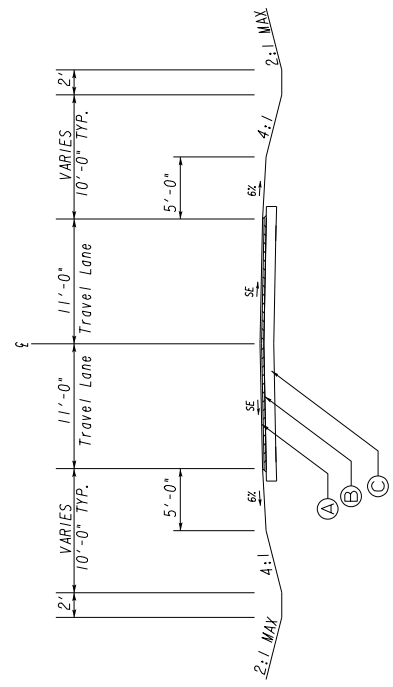
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 02-0001



REVISED	DATE	DESCRIPTION



ALTERNATE SHOULDER SECTION
 STA 10+73.86 - 12+25.00 RIGHT



TYPICAL SECTION
 WATER TANK ROAD

SUPERELEVATION SECTION
 STA 10+73.86 - STA 16+16.00

NORMAL CROWN SECTION
 STA 16+16.00 - STA 17+83.28

GAB LAYER TO EXTEND 1' BEYOND THE EDGE OF PAVEMENT

- Ⓐ 165 LB/SY, RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME
- Ⓑ 220 LB/SY, RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME
- Ⓒ GR AGGR BASE CRS, 10 INCH, INCL MATL

NOT TO SCALE	TYPICAL SECTIONS	
	WATER TANK ROAD DRAINAGE IMPROVEMENTS	
REVISION DATES	CHECKED:	DRAWING No.
	BACKCHECKED:	05-0001
	CORRECTED:	
	VERIFIED:	
	DATE:	
	DATE:	
	DATE:	
	DATE:	



DETAILED ESTIMATE

ITEM NO.	ITEM	UNIT	QUANTITY
ROADWAY ITEMS			
150-1000	TRAFFIC CONTROL -	LS	LUMP
207-0203	FOUND BK FILL MATL, TP II	CY	160
210-0100	GRADING COMPLETE -	LS	LUMP
210-0250	UNDERCUT EXCAVATION	CY	160
310-5060	GR AGGR BASE CRS, 6 INCH, INCL MATL	SY	205
310-5100	GR AGGR BASE CRS, 10 INCH, INCL MATL	SY	1889
402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	174
402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	190
415-0750	TACK COAT	GL	121
441-0016	DRIVEWAY CONCRETE, 6 IN TK	SY	35
500-3002	CLASS AA CONCRETE	CY	187
511-1000	BAR REINF STEEL	LB	21475
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	177
550-3318	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	EA	10
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	2
605-2160	STN DUMPED RIP RAP, TP 3, 12 IN	SY	110
605-7000	PLASTIC FILTER FABRIC	SY	110
811-8120	ADJUST WATER METER BOX TO GRADE	EA	2
834-1200	RIGHT OF WAY MARKERS	EA	23
845-8200	BARRIER FENCE (ORANGE), 4 FT	LF	300
853-1801	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	1340
853-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	1420
854-1001	RAISED PYMT MARKERS TP 1	EA	38
EROSION CONTROL ITEMS			
163-0232	TEMPORARY GRASSING	AC	1
165-0240	MULCH	TN	16
165-0300	CONSTRUCTION EXIT	EA	1
163-0528	CONSTRUCT AND REMOVE FABRIC CHECK DAM - TYPE C SILT FENCE	LF	270
163-0541	CONSTRUCT AND REMOVE ROCK FILTER DAMS	EA	5
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	405
165-0041	MAINTENANCE OF CHECK DAMS - ALL TYPES	LF	135
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	1
165-0110	MAINTENANCE OF ROCK FILTER DAM	EA	5
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	810
700-6910	PERMANENT GRASSING	AC	1
700-7000	AGRICULTURAL LIME	TN	2
700-8000	FERTILIZER MIXED GRADE	TN	1
700-8100	FERTILIZER NITROGEN CONTENT	LB	50
711-0100	TURF REINFORCING MATTING, TP 1	SY	1100
716-2000	EROSION CONTROL MATS, SLOPES	SY	1030

REVISION DATES

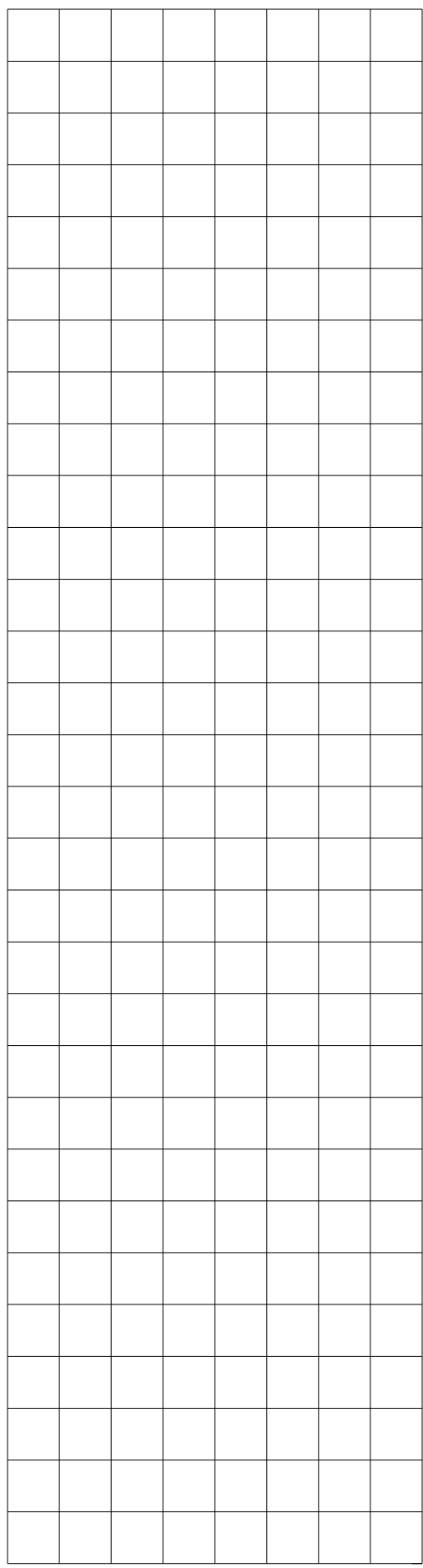
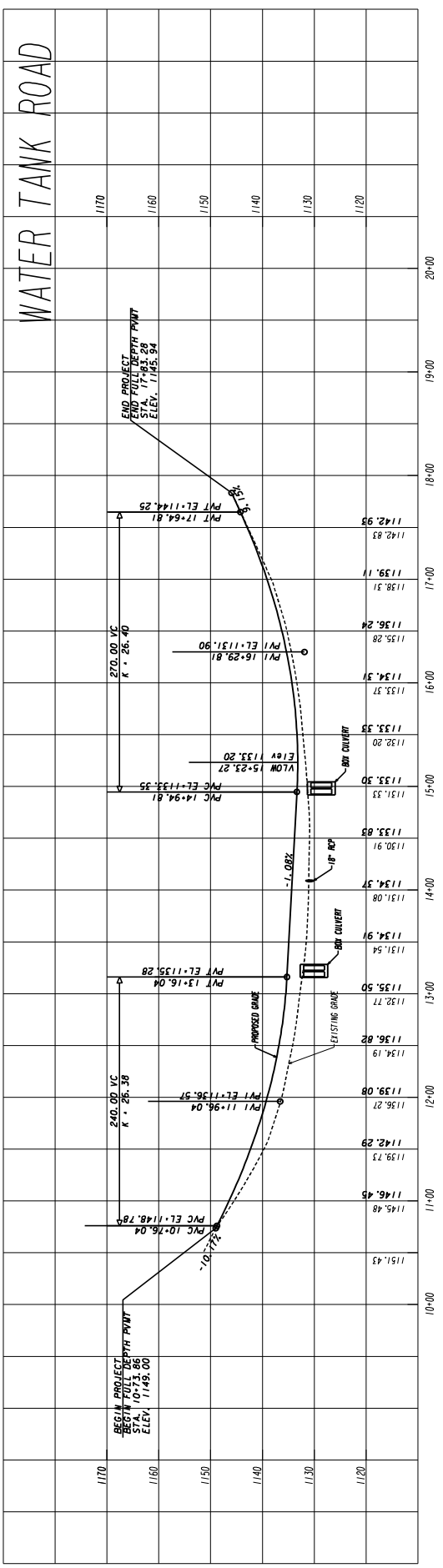
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DETAILED ESTIMATE
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

CHECKED:	DATE:	DRAWING No.

09-0001



24-50

REVISION DATES

NO.	DATE	DESCRIPTION

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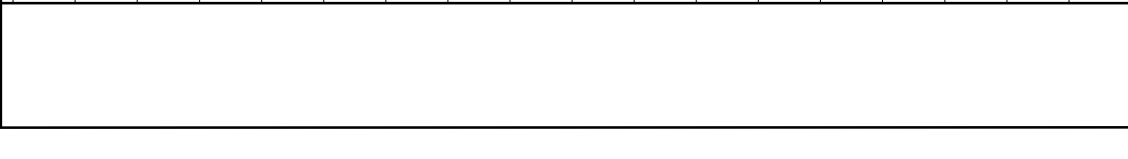
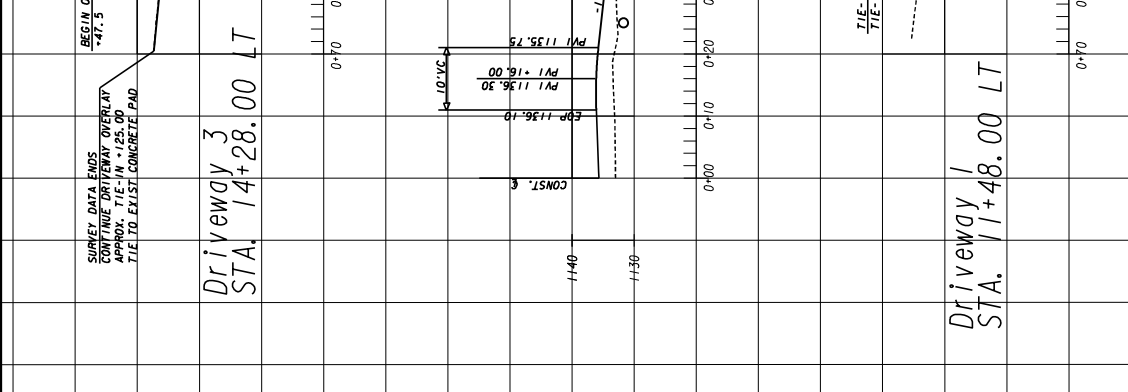
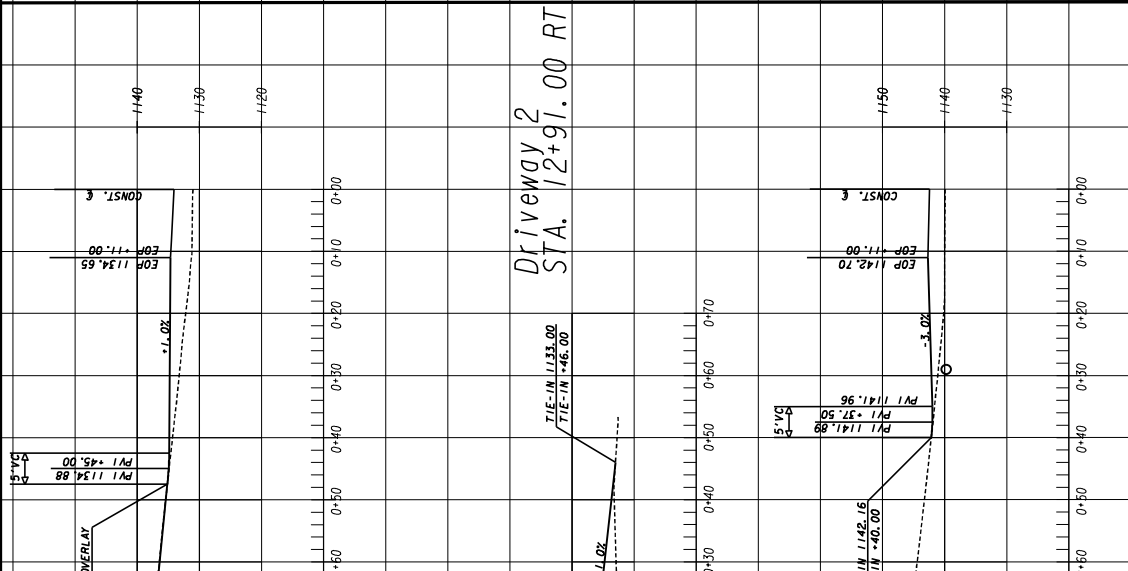
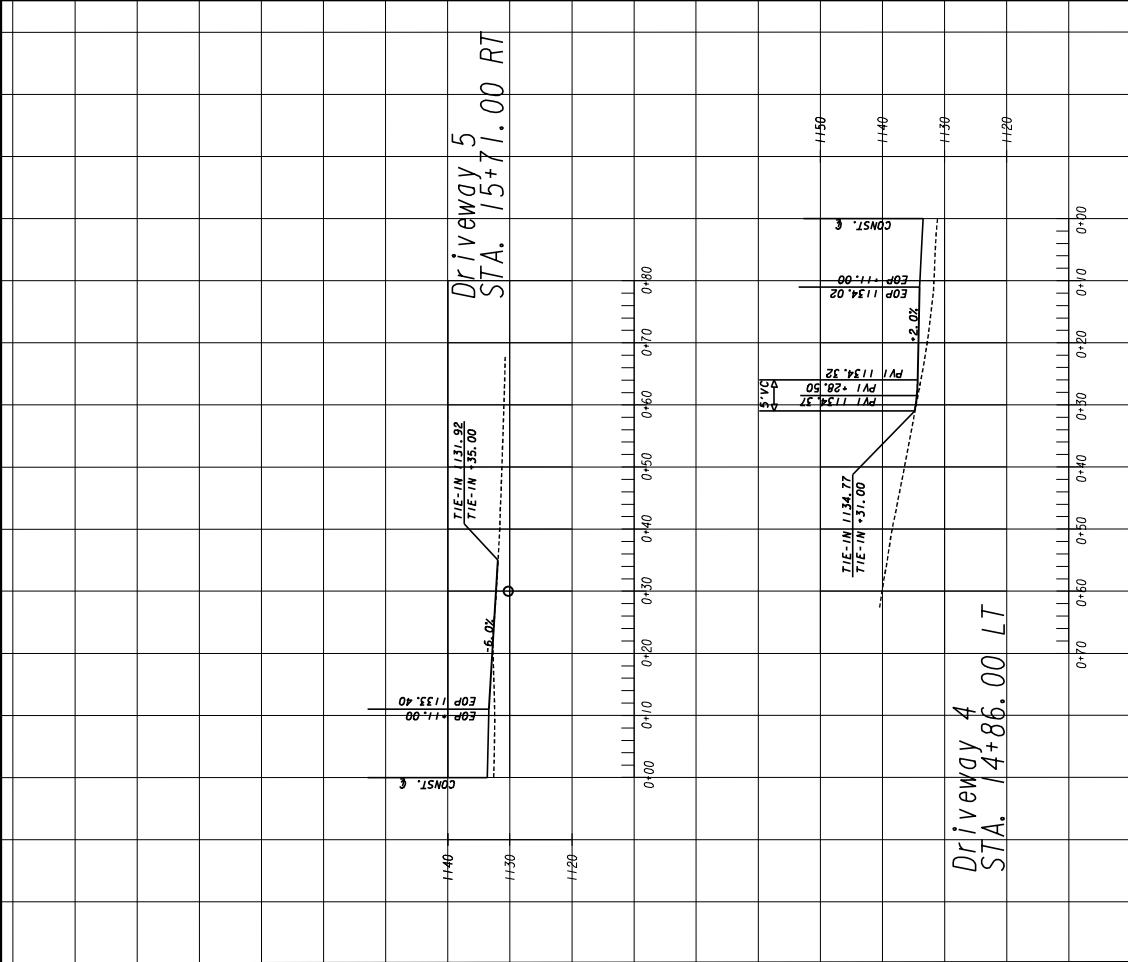
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0 50 100

VERT. SCALE IN FEET
0 10 20

CALCO
ENGINEERING

MAINLINE PROFILE
WATER TANK ROAD
DRAINAGE IMPROVEMENTS

CHECKED:	DATE:	DRAWING NO.:
		15-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



DRIVEWAY PROFILES
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

HORIZ. SCALE IN FEET
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VERT. SCALE IN FEET
 0 10 20

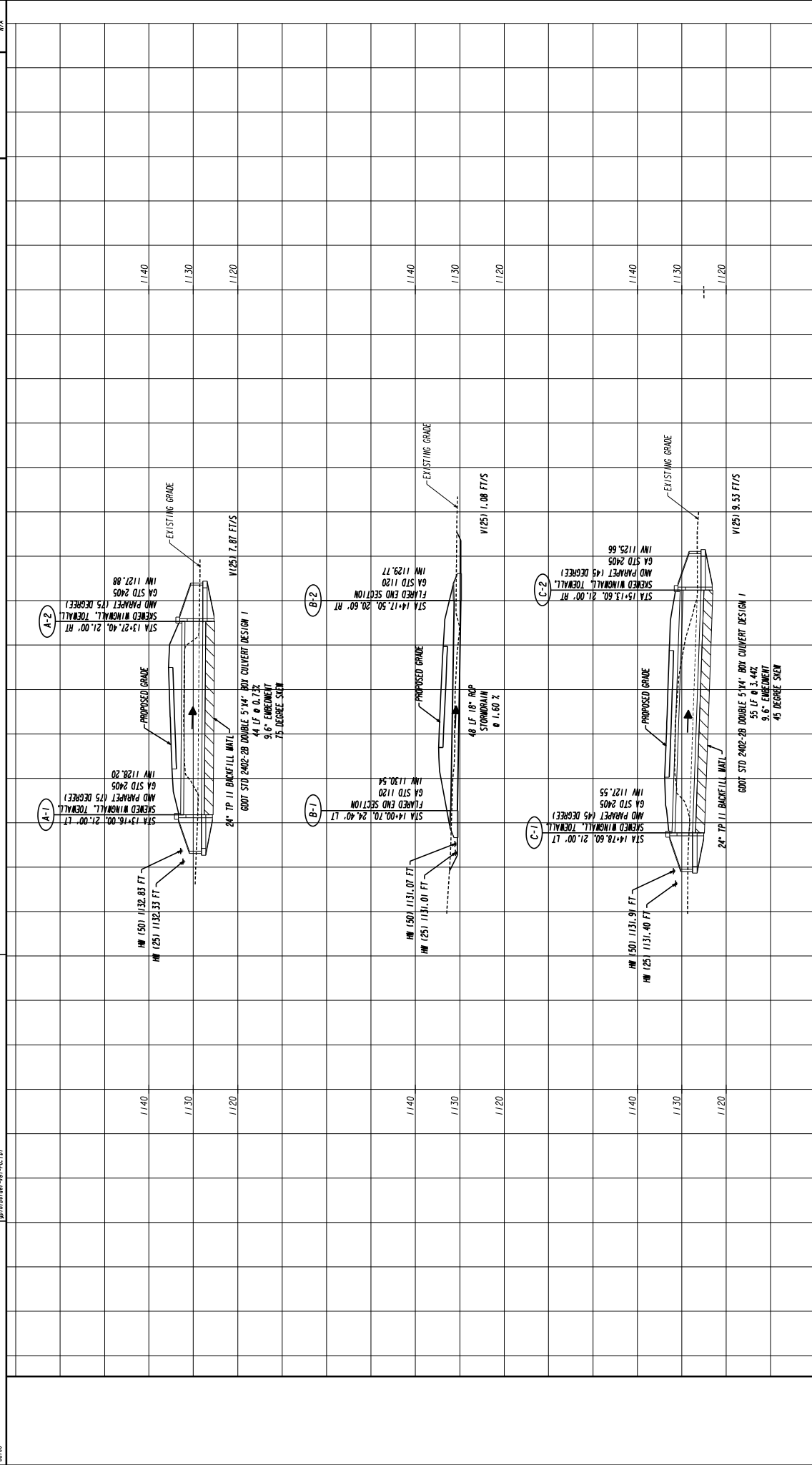
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DRAWING No. 17-0001

CALCO
 ENGINEERING

12/27/2023
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CALCO
ENGINEERING

DRAINAGE PROFILES
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

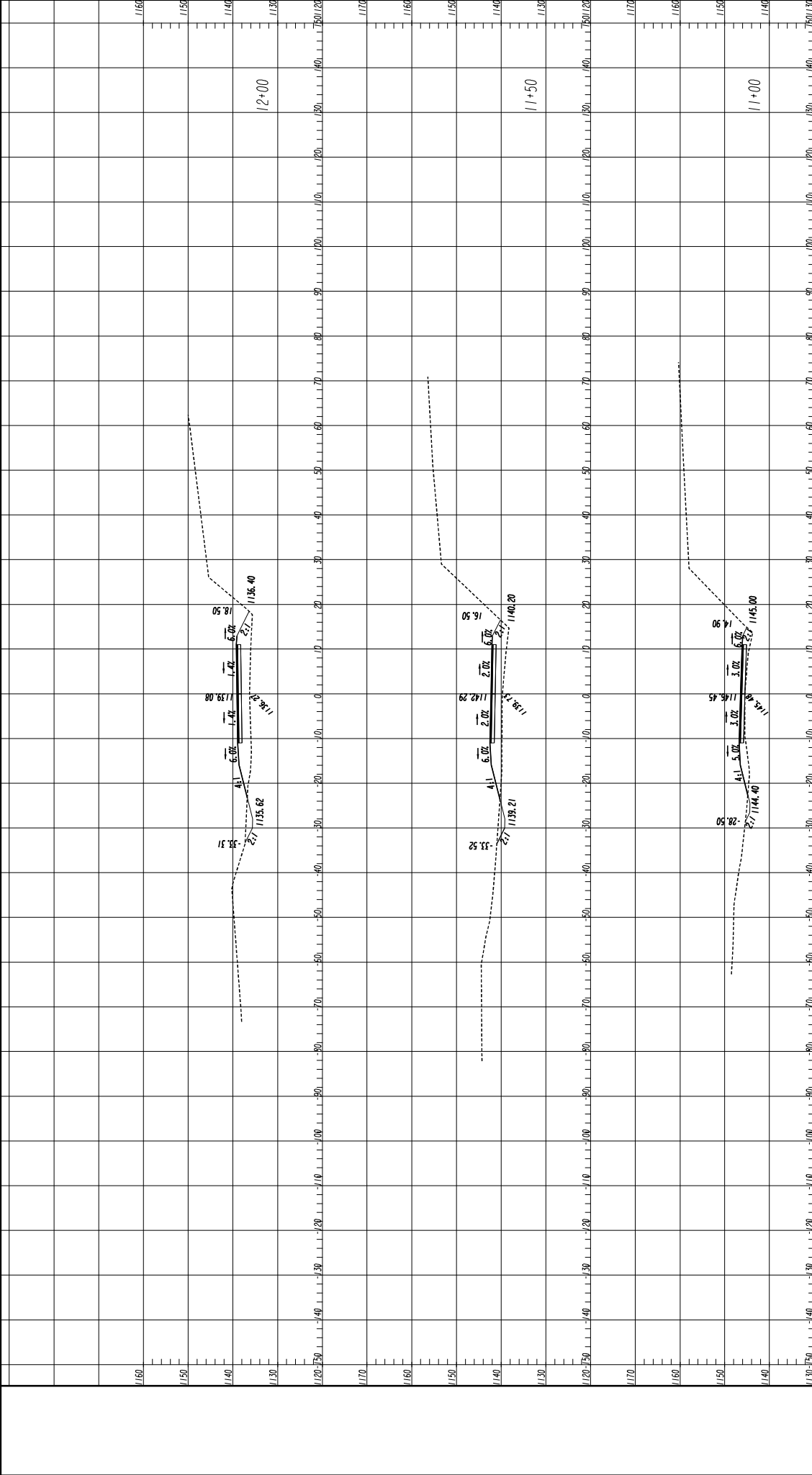
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SCALE IN FEET

VERT.
SCALE IN FEET

CHECKED:	DATE:	BACKCHECKED:	DATE:	CORRECTED:	DATE:	VERIFIED:	DATE:



CROSS SECTIONS
WATER TANK ROAD
DRAINAGE IMPROVEMENTS

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 VERT. 0 10 20

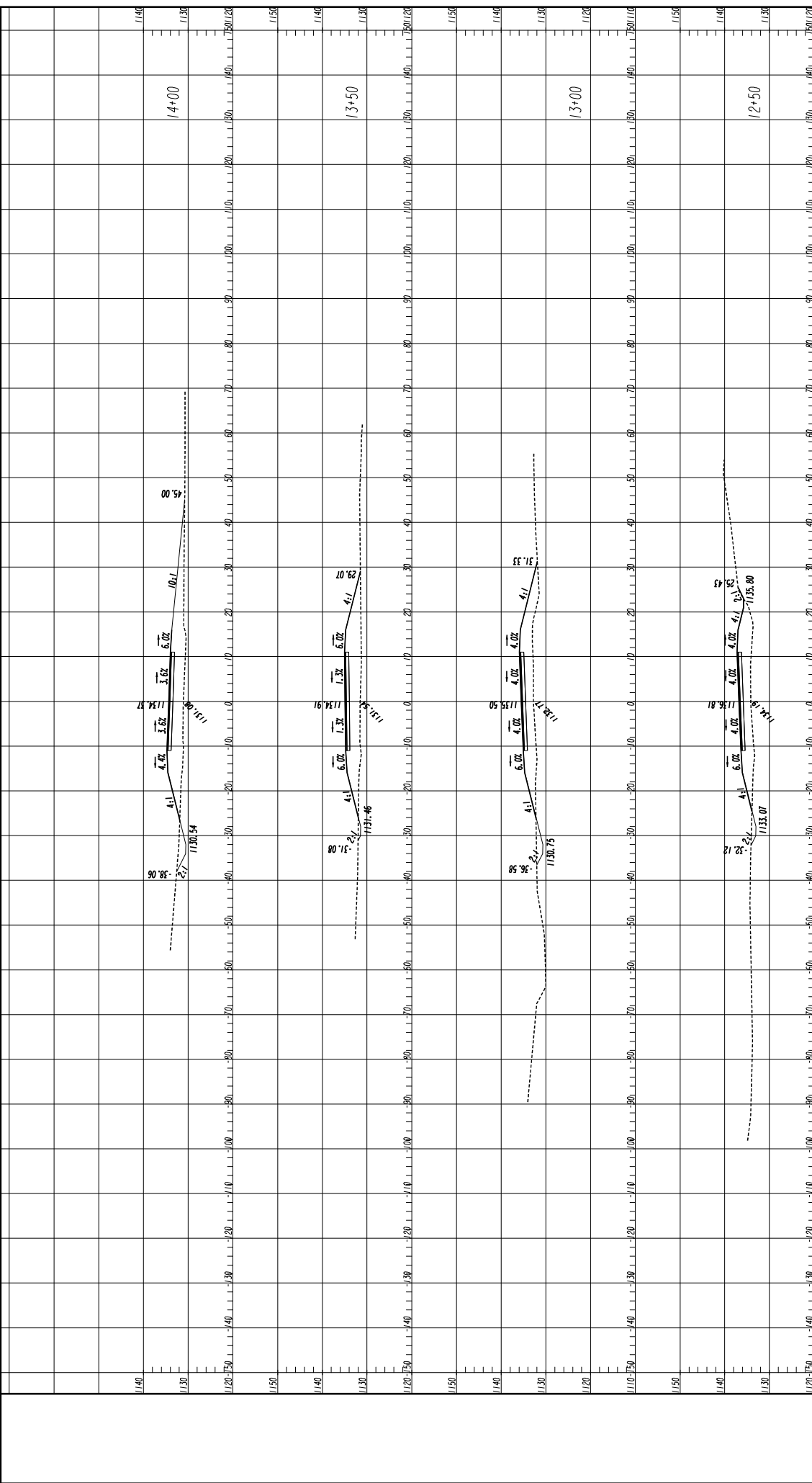
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CALCO ENGINEERING



CROSS SECTIONS
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

REVISION DATES

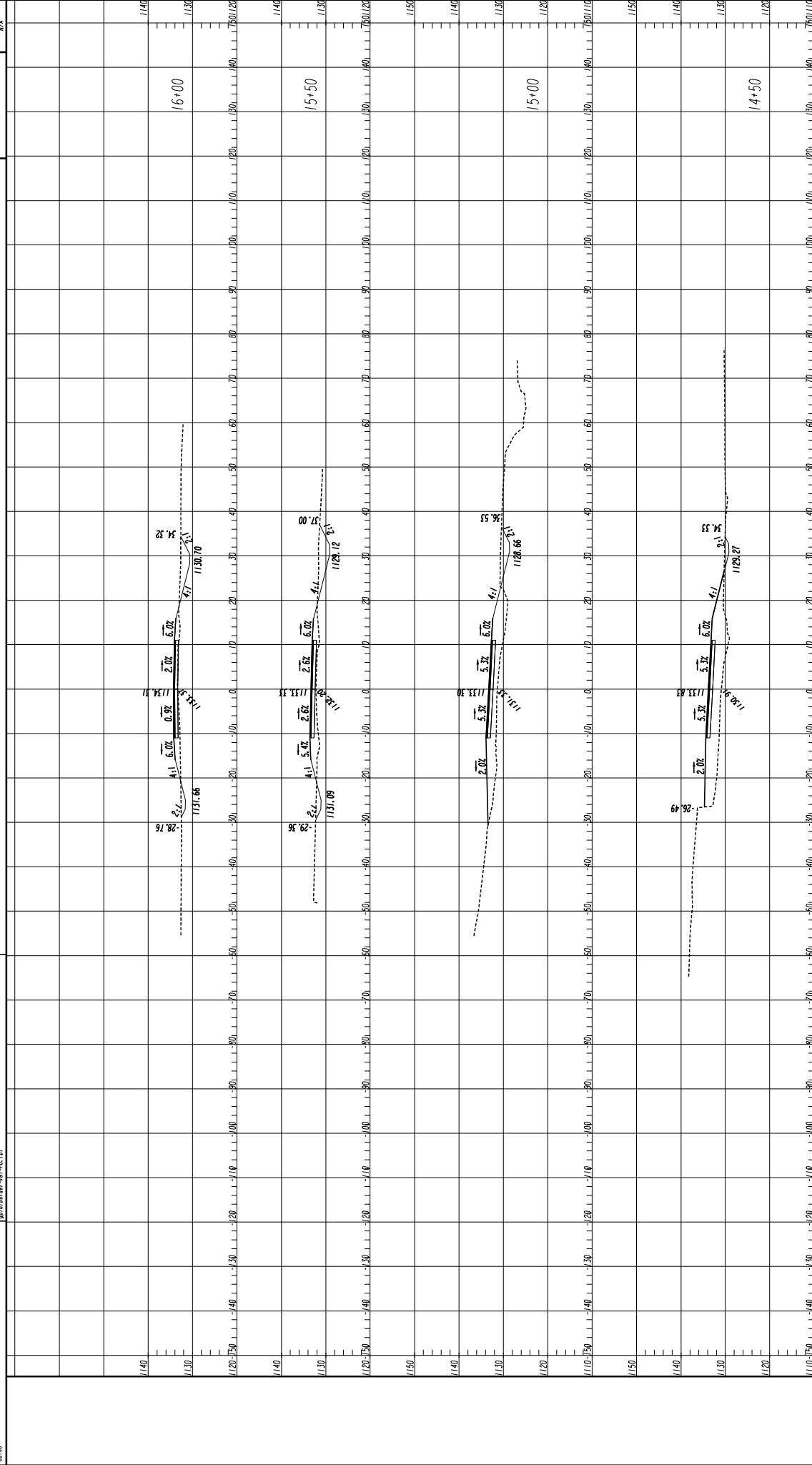
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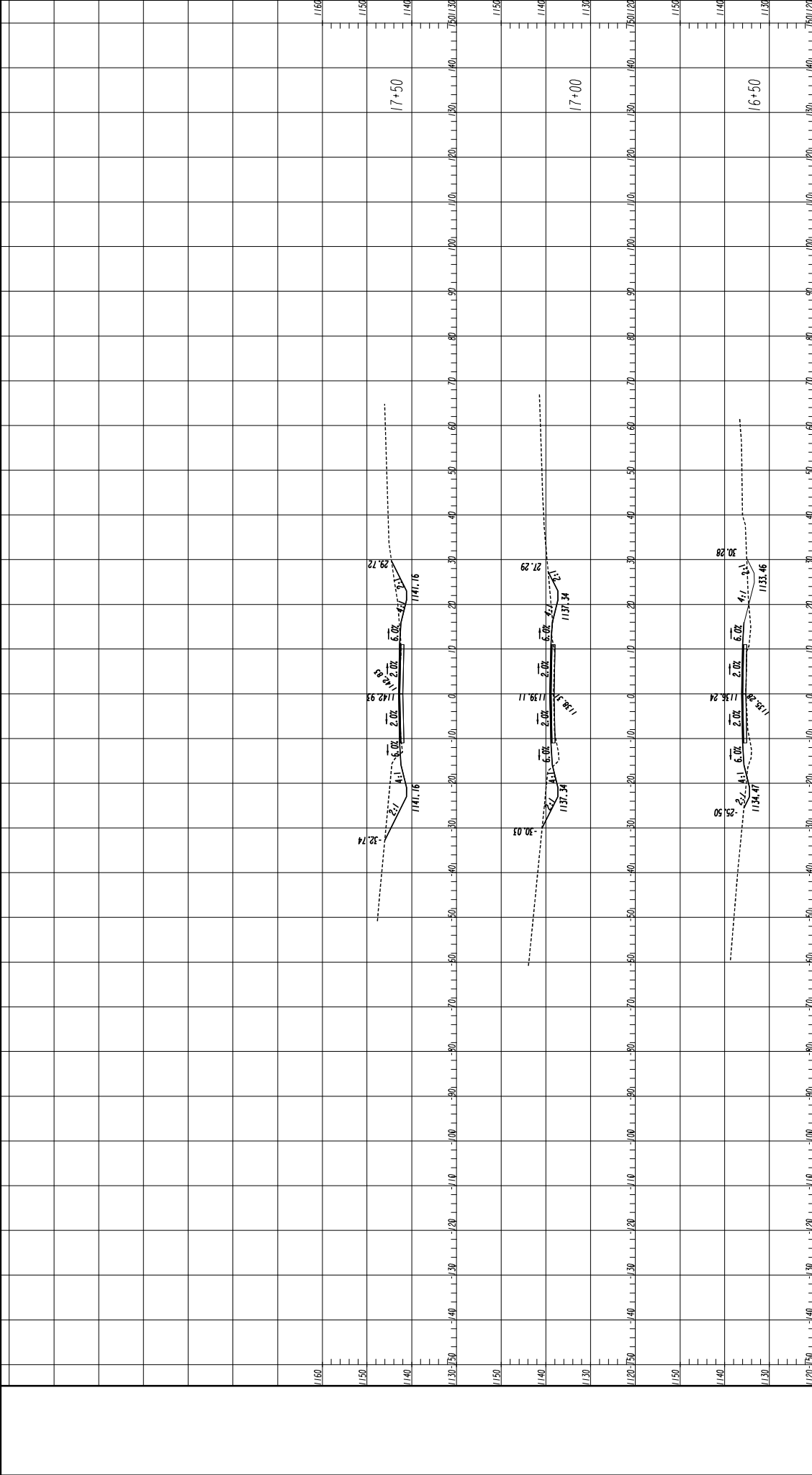
CALCO ENGINEERING

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VERIFIED:	DATE:



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REVISION DATES					CHECKED: _____ DATE: _____ BALANCED: _____ DATE: _____ CORRECTED: _____ DATE: _____ VERIFIED: _____ DATE: _____



CROSS SECTIONS
WATER TANK ROAD
DRAINAGE IMPROVEMENTS

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DRAWING NO.
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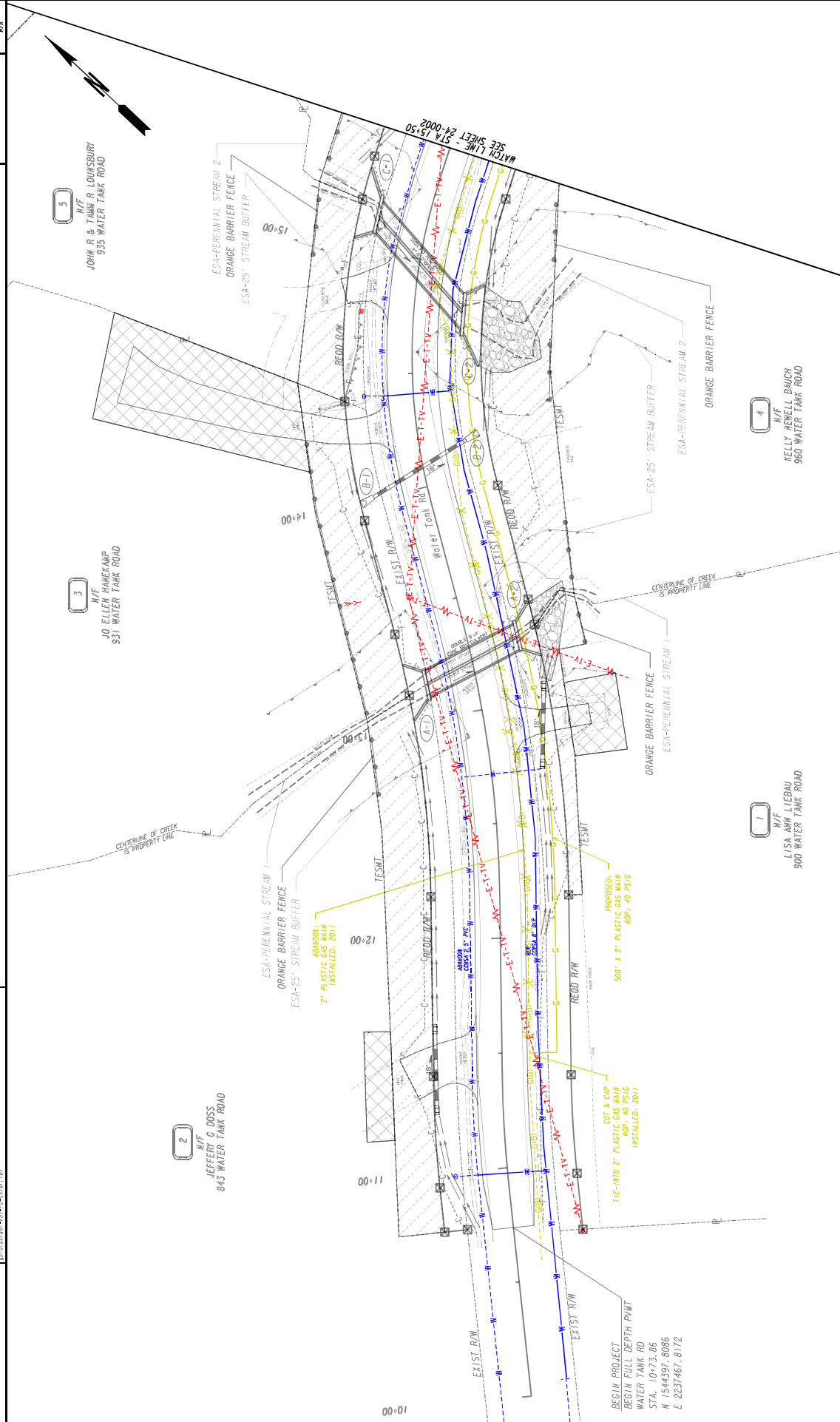
REVISION DATES

No.	Date	Description

HORIZ. SCALE IN FEET: 1" = 20'

VERT. SCALE IN FEET: 1" = 20'

CALCO ENGINEERING



JOH R & TAMM R LOURSBURY
 535 WATER TANK ROAD

JO ELLEN HANERKAMP
 931 WATER TANK ROAD

JEFFERY G DOSS
 843 WATER TANK ROAD

RELLY NIKELL BAUGH
 560 WATER TANK ROAD

LISA ANN LIEBAU
 900 WATER TANK ROAD

5

3

2

4

1

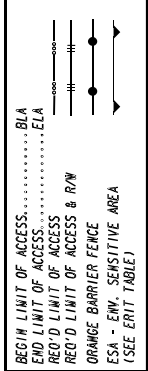
UTILITY PLANS
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE
DATE	24-0001

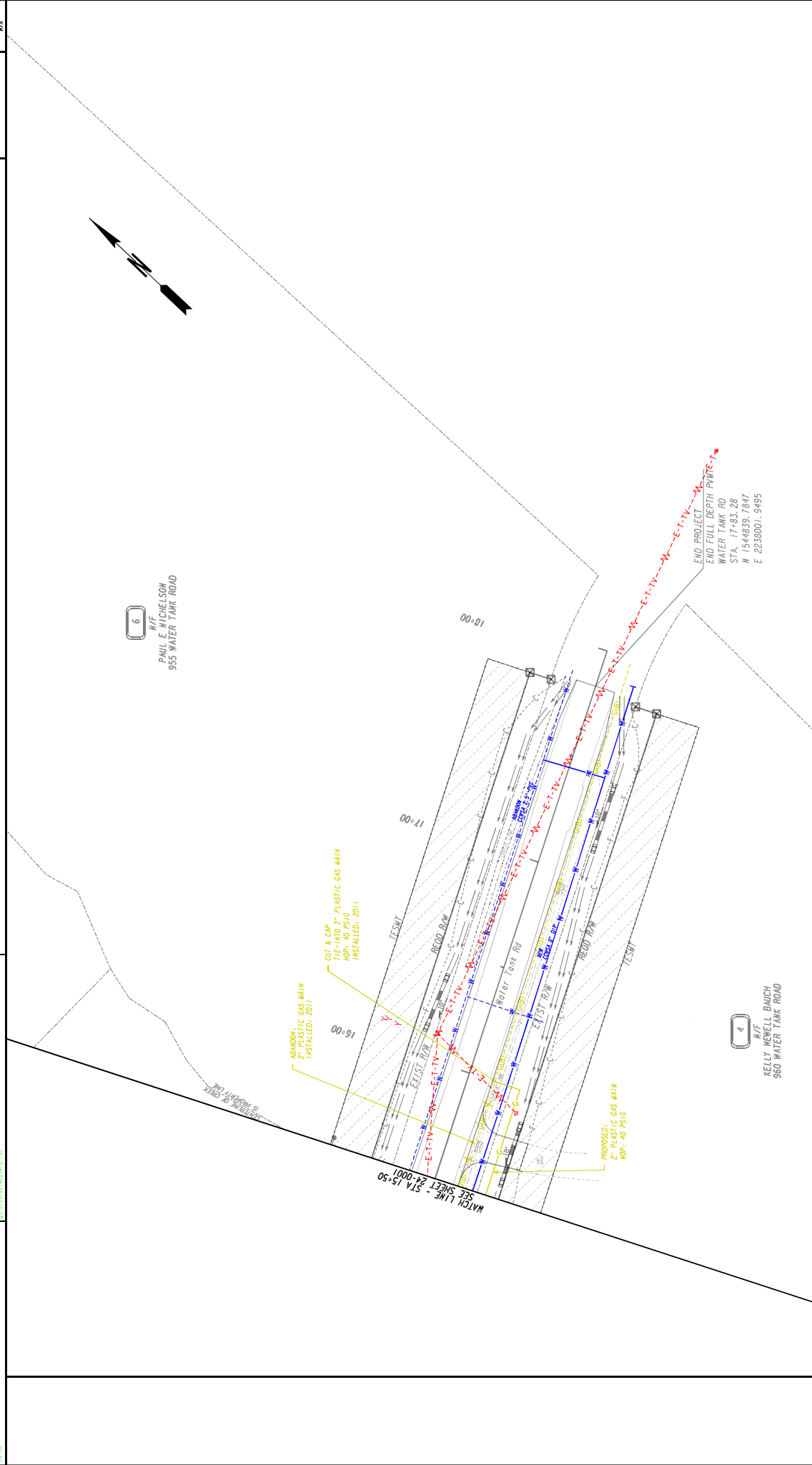
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PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES
 EASEMENT FOR CONSTR OF DRIVES



6
M/F
PAUL E. WICHELOW
955 WATER TANK ROAD

4
M/F
KELLY HEWELL BAUGH
960 WATER TANK ROAD

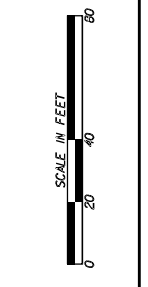
UTILITY PLANS
WATER TANK ROAD
DRAINAGE IMPROVEMENTS

NO.	DATE	BY	CHECKED
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2			
3			
4			
5			
6			

DATE PLOTTED: 2/14/2018
SCALE: 1"=40'
SHEET: 24-0002

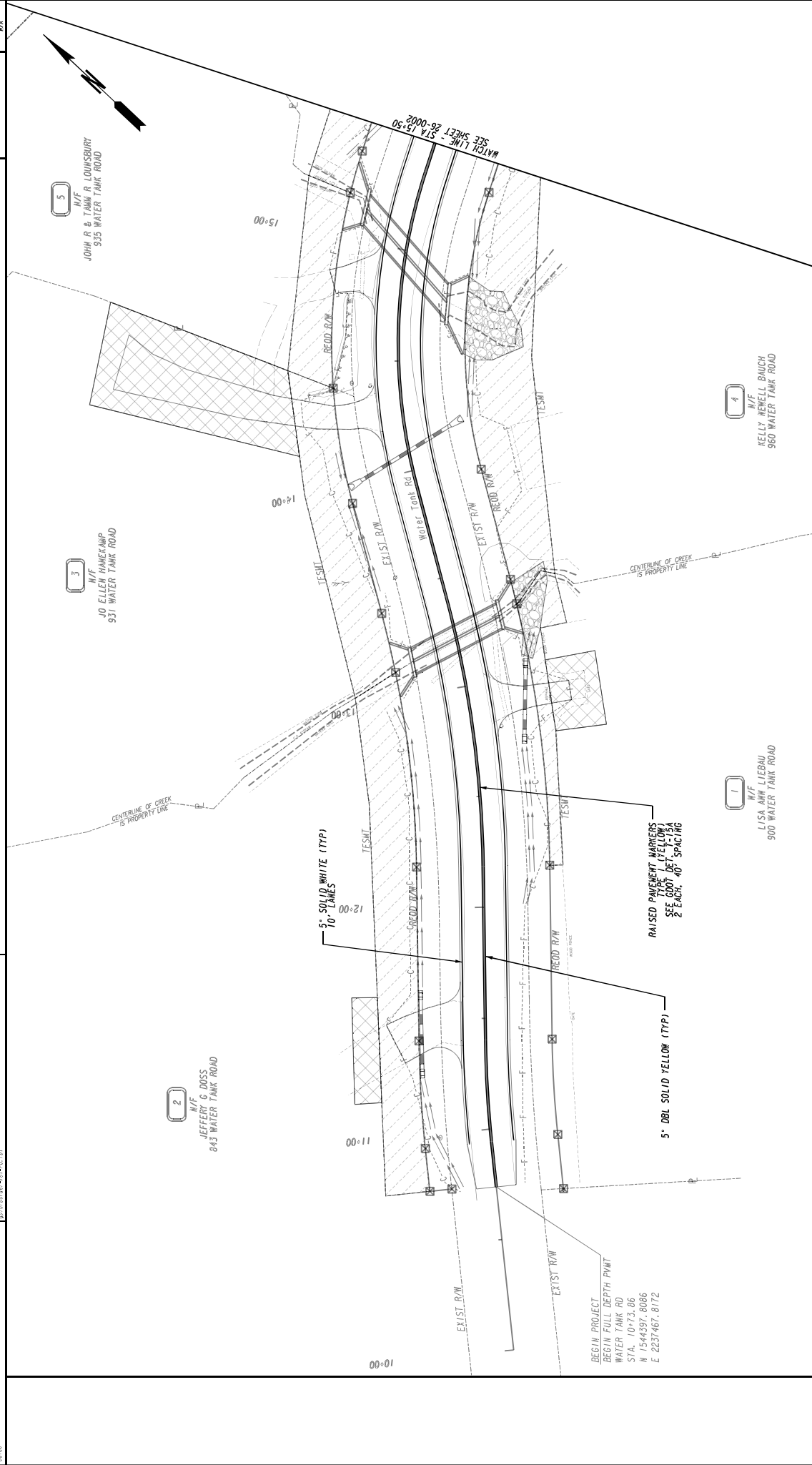
REVISION DATES

NO.	DATE	DESCRIPTION



	BEGIN LIMIT OF ACCESS
	END LIMIT OF ACCESS
	REG'D LIMIT OF ACCESS
	REG'D LIMIT OF ACCESS & R/W
	ORANGE BARRIER FENCE
	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

	PROPERTY AND EXISTING R/W LINE
	REQUIRED R/W LINE
	CONSTRUCTION LIMITS
	EASEMENT FOR CONSTR.
	MAINTENANCE OF SLOPES
	EASEMENT FOR CONSTR. OF SLOPES
	EASEMENT FOR CONSTR. OF DRIVES



5
M/F
JOHN R & TAMM R LOURSBURY
535 WATER TANK ROAD

3
M/F
JO ELLEN HANERKAMP
931 WATER TANK ROAD

2
M/F
JEFFERY G DOSS
843 WATER TANK ROAD

1
M/F
LISA ANN LIEBAU
900 WATER TANK ROAD

4
M/F
RELLY NIKELL BAUCH
560 WATER TANK ROAD

5" SOLID WHITE (TYP)
10' LAMES

RAISED PAVEMENT MARKERS
TYPE 1 (YELLOW)
SEE CDOT DET. 15A
2 EACH, 40' SPACING

5" DBL SOLID YELLOW (TYP)

BEGIN PROJECT
BEGIN FULL DEPTH PAVT
WATER TANK RD
STA. 10+73.86
N 1544397.8086
E 2237467.8172

PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....B/A

END LIMIT OF ACCESS.....E/A

REG'D LIMIT OF ACCESS & R/W

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

SCALE IN FEET

STAGING AND MARKING PLAN

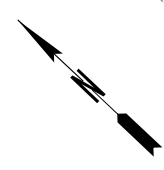
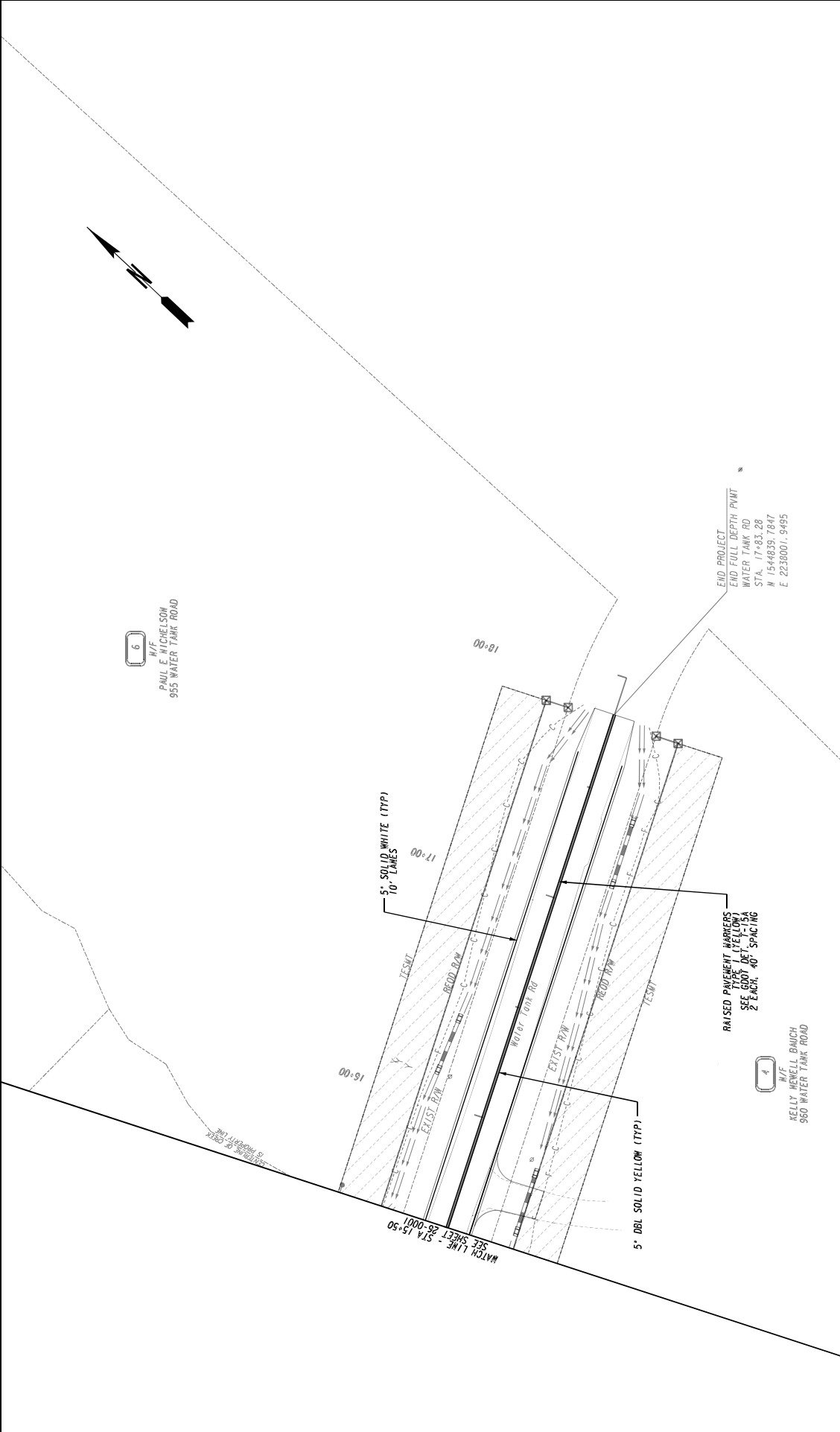
WATER TANK ROAD

DRAINAGE IMPROVEMENTS

REVISION DATES		DATE	BY

CHECKED:	DATE:	DATE:	DATE:

DRAWING NO. **26-0001**



6
M/F
PAUL E. WICHELOW
955 WATER TANK ROAD

4
M/F
KELLY HEWELL BAUGH
960 WATER TANK ROAD

END PROJECT
END FILL DEPTH PNT
WATER TANK RD
STA. 17+83.28
N 1544839.7847
E 2238001.9495

PROPERTY AND EXISTING ROW LINE

REQUIRED ROW LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR. & MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR. OF DRIVES

LEGEND

- B/LA
- E/LA
- R/W
- ORANGE BARRIER FENCE
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

SCALE IN FEET

STAGING AND MARKING PLAN

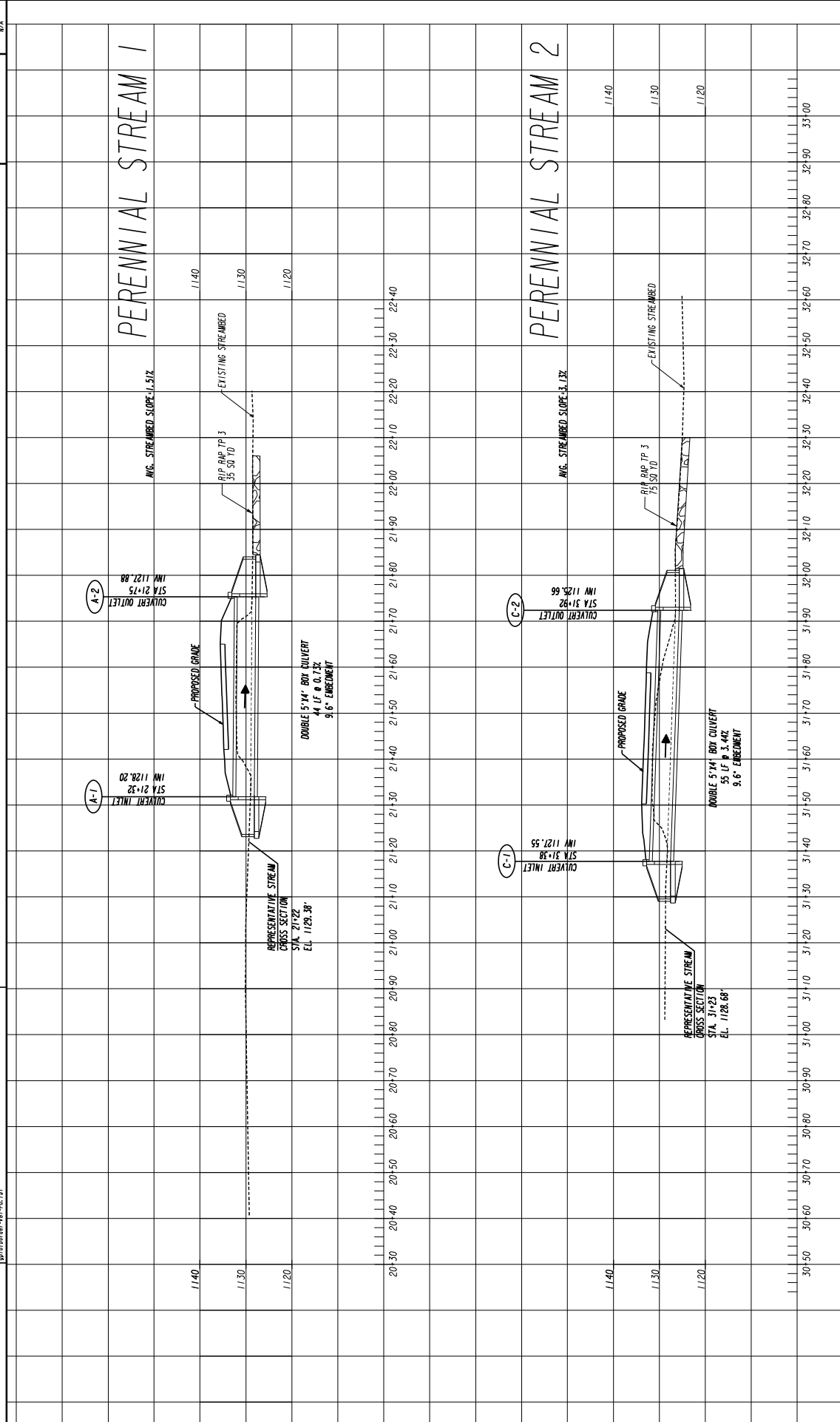
WATER TANK ROAD

DRAINAGE IMPROVEMENTS

REVISION DATES	
NO.	DATE

DATE	BY	DESCRIPTION

DRAWING NO. **26-002**



PERENNIAL STREAM LONGITUDINAL PROFILE
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

REVISION DATES

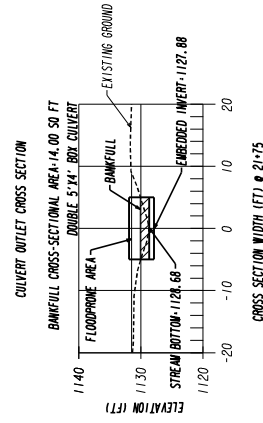
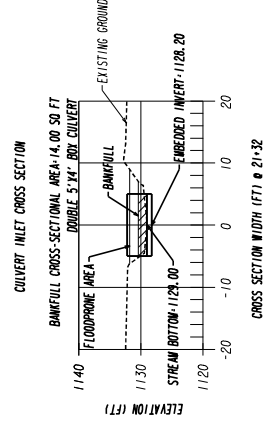
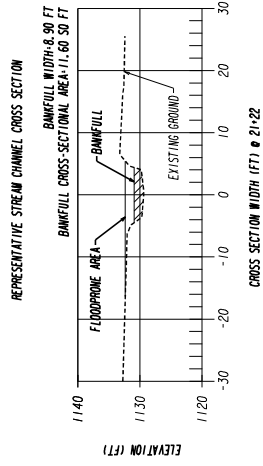
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VERT. SCALE IN FEET
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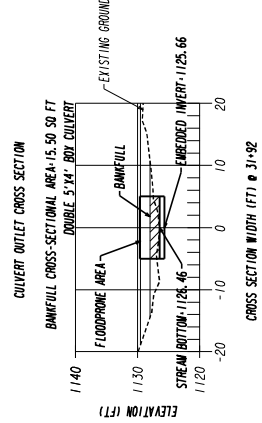
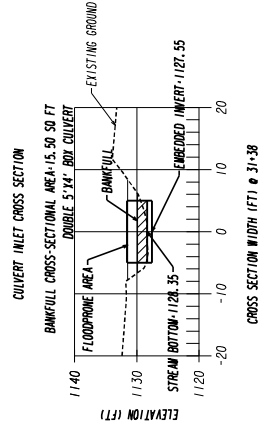
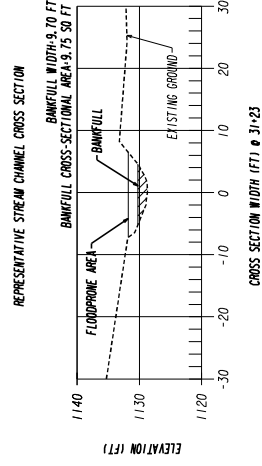
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DRAWING No. **39-0002**

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 ENGINEERING



PERENNIAL STREAM 1



PERENNIAL STREAM 2

SCALE IN FEET
 0 10 20
 HORIZ.

SCALE IN FEET
 0 10 20
 VERT.

REVISION DATES

NO.	DATE	DESCRIPTION




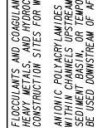

PERENNIAL STREAM CROSS SECTIONS
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

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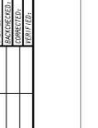

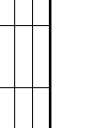
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39-0003

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Ds3	SYMBOL		THE INSTALLATION OF A SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Ds4	SYMBOL		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (HCS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. AN IONIC POLYACRYLAMIDE (PAM) MAY BE USED IN CONJUNCTION WITH BMPs TO PREVENT FLOCCULANT FROM BEING WASHED AWAY. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF FOREMENTIONED BMPs.
F-C0	FLOCCULANTS/COAGULANTS SECTION 163, 700, 895		FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP. IF NEEDED, PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE BUMP. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE BUMP. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE BUMP. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE BUMP.
SD	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READY AVAILABLE NATIVE OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS BECH APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.



CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
ESA	ORANGE BARRIER FENCE SECTION 163		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS (ESAs), BUFFER ZONES, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC HABITATS, GEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION WITHIN A BUFFER ZONE OF BOMBING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW WHICH USED TO REDUCE SOIL EROSION AND WIND BLOWN SEDIMENT. MULCHING IS TYPICALLY USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
Ds2	TEMPORARY GRASSING SECTION 163, 700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.

NOTE:

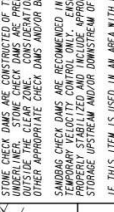





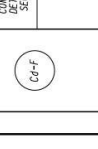

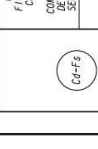
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".


NO SCALE		EROSION CONTROL LEGEND	
UNIFORM CODE SHEET		SHEET 1 OF 7	
DATE:	DATE:	DATE:	DATE:
5/2/2017	5/2/2017	5/2/2017	5/2/2017
CHECKED:	APPROVED:	CHECKED:	APPROVED:
DATE:	DATE:	DATE:	DATE:
5/2/2017	5/2/2017	5/2/2017	5/2/2017
52-0001	52-0001	52-0001	52-0001

EROSION CONTROL LEGEND	
WATER TANK ROAD	
DRAINAGE IMPROVEMENTS	
CHECKED:	DATE:
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CORRECTED:	DATE:
VERIFIED:	DATE:
DRAWING NO. 52-0001	



REVISION DATES	
NO. 1	DATE

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Co-5	STONE CHECK DAM CONSTRUCTION DETAIL 0-56 SECTION 163.603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE 3 RIP-RAP WITH GEOTEXTILE OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDING CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. BEFORE DISCHARGE POINT IS STRAIGHTENED UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION DESIGNED IN ACCORDANCE WITH THE GOOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
Ch-2R	CHANNEL STABILIZATION RIP-RAP TYPE 1 CONSTRUCTION DETAIL 0-19 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLAYER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "D" RECOMMENDED BY THE GOOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.
Ch-2B	CHANNEL STABILIZATION RIP-RAP TYPE 3 CONSTRUCTION DETAIL 0-19 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLAYER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "D" RECOMMENDED BY THE GOOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.
Co-F	SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE PERMANENT VEGETATION ON STEEP SLOPES, SHOULDER LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2:1:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.		EROSION CONTROL MATTING IS A PROTECTIVE PERMANENT VEGETATION ON STEEP SLOPES, SHOULDER LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2:1:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
Tac	TACKIFIERS SECTION 163, 700, 895		TACKIFIERS HYDRATE IN WATER AND BECOME BLEND WITH OTHER SUBSTRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON PLANS. PAM IS USUALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
Co-F	FABRIC CHECK DAM CONSTRUCTION DETAIL 0-24D SECTION 171		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TORN REINFORCEMENT MATTING (TIRM). SPLASHPAD SHALL BE INSTALLED DOWNSTREAM OF CHECK DAM. SEE CONSTRUCTION DETAIL 0-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Co-Fs	COMPOST FIBER CHECK DAM CONSTRUCTION DETAIL 0-52 SECTION 163		A COMPOST FIBER CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE FIBER MATTING WITH A WELL-COMPOSED SOURCE OF ORGANIC MATERIAL. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Co-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL 0-163 SECTION 163		A BALED STRAW CHECK DAM IS COMPOSED OF BALES PREVIOUSLY BOUND WITH WIRE OR NAILON INSTEAD OF WIRE. BALES SHOULD BE PLACED IN ROWS WITH BALES ENDS TIGHTLY ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHOULD BE 10 FEET FROM THE DOWNSTREAM EDGE OF THE CLEAR ZONE. LONG WIDE STRAW TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.



EROSION CONTROL LEGEND
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

UNIFORM CODE SHEET
 SHEET 2 OF 7
 DRAWING No. 52-0002

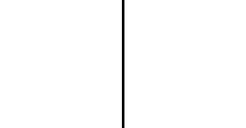
NO SCALE

REVISION DATES	DATE	BY	DESCRIPTION

EROSION CONTROL LEGEND
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

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 BACKCHECKED: _____ DATE: _____
 CORRECTED: _____ DATE: _____
 VERIFIED: _____ DATE: _____

DRAWING No. 52-0002



EROST

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-271	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-25 SECTION 711	 LINE CODE	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR CONSTRUCTION PROJECTS. BORROW PITS, WASTE PITS, ACCESS ROADS, ETC., SHOULD BE MINIMUM 20" WIDE, 3" LONG, 6" THICK AND REQUIRES AN AREA IS GREATER THAN 25% A FULL WIDTH DIVERSION RIDGE 9" TO 12" HIGH WITH 3% SLOPES SHALL BE CONDUCTED APPROXIMATELY 10' UPSTREAM AND 10' DOWNSTREAM FROM THE DIVERSION POINT AND SHALL BE REINFORCED PRIOR TO ENTRANCE INTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Ch-272	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-25 SECTION 711	 LINE CODE	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR CONSTRUCTION PROJECTS. BORROW PITS, WASTE PITS, ACCESS ROADS, ETC., SHOULD BE MINIMUM 20" WIDE, 3" LONG, 6" THICK AND REQUIRES AN AREA IS GREATER THAN 25% A FULL WIDTH DIVERSION RIDGE 9" TO 12" HIGH WITH 3% SLOPES SHALL BE CONDUCTED APPROXIMATELY 10' UPSTREAM AND 10' DOWNSTREAM FROM THE DIVERSION POINT AND SHALL BE REINFORCED PRIOR TO ENTRANCE INTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Ch-273	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-25 SECTION 711	 LINE CODE	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR CONSTRUCTION PROJECTS. BORROW PITS, WASTE PITS, ACCESS ROADS, ETC., SHOULD BE MINIMUM 20" WIDE, 3" LONG, 6" THICK AND REQUIRES AN AREA IS GREATER THAN 25% A FULL WIDTH DIVERSION RIDGE 9" TO 12" HIGH WITH 3% SLOPES SHALL BE CONDUCTED APPROXIMATELY 10' UPSTREAM AND 10' DOWNSTREAM FROM THE DIVERSION POINT AND SHALL BE REINFORCED PRIOR TO ENTRANCE INTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Ch-274	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-25 SECTION 711	 LINE CODE	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR CONSTRUCTION PROJECTS. BORROW PITS, WASTE PITS, ACCESS ROADS, ETC., SHOULD BE MINIMUM 20" WIDE, 3" LONG, 6" THICK AND REQUIRES AN AREA IS GREATER THAN 25% A FULL WIDTH DIVERSION RIDGE 9" TO 12" HIGH WITH 3% SLOPES SHALL BE CONDUCTED APPROXIMATELY 10' UPSTREAM AND 10' DOWNSTREAM FROM THE DIVERSION POINT AND SHALL BE REINFORCED PRIOR TO ENTRANCE INTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Ch-275	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-25 SECTION 711	 LINE CODE	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR CONSTRUCTION PROJECTS. BORROW PITS, WASTE PITS, ACCESS ROADS, ETC., SHOULD BE MINIMUM 20" WIDE, 3" LONG, 6" THICK AND REQUIRES AN AREA IS GREATER THAN 25% A FULL WIDTH DIVERSION RIDGE 9" TO 12" HIGH WITH 3% SLOPES SHALL BE CONDUCTED APPROXIMATELY 10' UPSTREAM AND 10' DOWNSTREAM FROM THE DIVERSION POINT AND SHALL BE REINFORCED PRIOR TO ENTRANCE INTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.

NOTE:

- 1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

EROST CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 3 OF 7

SYMBOL	DESCRIPTION	DATE	NO.
	TRM	05/22/2021	52-0003
	CONCRETE-LINED CHANNEL		
	STREAM DIVERSION EXIT		
	POLYETHYLENE FILM COVER		
	DIVERSION STRUCTURE		

NO SCALE

EROST CONTROL LEGEND
WATER TANK ROAD
DRAINAGE IMPROVEMENTS

REVISION DATES






NO.	DATE	DESCRIPTION



DATE	CHECKED	DATE	DATE

DRAWING NO. 52-0003

11/15/23 11:03:07 AM PROJECT: 05/107-18-001-131
 05/107-18-001-131
EROSION CONTROL LEGEND
 P.L. No.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FRITER RING CONSTRUCTION DETAIL D-46 SECTION 163	 SYMBOL Fr	A TEMPORARY FENCE BARBER CONSTRUCTED AT DRAINAGE SENSITIVE AREAS HELPS PREVENT SEDIMENT FROM LEAVING THE SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163.603	 SYMBOL Rd	ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH 1/4" STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINWAYS AND/OR CHANNELS TO FILTER SEDIMENT AND TO REDUCE VELOCITY AND STABILIZATION OF THE DISTURBED AREA. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ES&G.
Rd-B	STONE FILTER BEAM CONSTRUCTION DETAIL D-50 SECTION 163.603	 LINE CODE Rd-B	STONE FILTER BEAMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP AND A GEOTEXTILE UNDERLAYER SHALL BE USED WHEN PLACING STONE FILTER BEAMS. STONE FILTER BEAMS ARE IDEAL ALONG THE PERIMETER FOR SHEET PILE AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SLOPE FENCE ALONE MAY BE INSUFFICIENT. THERE IS NO WELLS. A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
Rp	RIP-RAP CONSTRUCTION DETAIL D-44 SECTION 163	 PATTERN Rp	RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL, EROSION CONTROL AND PROTECTION OF TYPE-3 STONE RIP-RAP INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS THROUGH THE RIGHT-OF-WAY TO PROVIDE APPROPRIATE OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
Rt-P	RETROFITTING REGENERATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163	 SYMBOL Rt-P	A REGENERATED HALF-ROUND PIPE WITH STONE FILTERED PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.

EROSION CONTROL LEGEND
 UNIFORM CODE SHEET
 SHEET 5 OF 7

NO SCALE

11/15/23 11:03:07 AM PROJECT: 05/107-18-001-131
 05/107-18-001-131
EROSION CONTROL LEGEND
 UNIFORM CODE SHEET
 SHEET 5 OF 7

CHECKED: DATE: 5/22/23
 BACKCHECKED: DATE: 5/22/23
 CORRECTED: DATE: 5/22/23
 VERIFIED: DATE: 5/22/23
 DRAWING NO. 52-0005

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

EROSION CONTROL LEGEND
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

11/15/23 11:03:07 AM PROJECT: 05/107-18-001-131
 05/107-18-001-131
EROSION CONTROL LEGEND
 UNIFORM CODE SHEET
 SHEET 5 OF 7

CHECKED: DATE: 5/22/23
 BACKCHECKED: DATE: 5/22/23
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 VERIFIED: DATE: 5/22/23
 DRAWING NO. 52-0005

11/10/2018 # 171-RP
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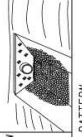
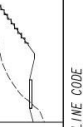
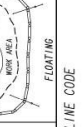

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11/10/2018 # 171-RP
 11/10/2018 # 171-RP

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA STD. 1125 & 2332		A PIPE OR BOX CHIMNEY OUTLET REINFORCED WITH AN APRON AND DISSIPATOR TO PROTECT AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM FROM ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CHIMNEYS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 FPS AND GREATER.
St-Rp	STORM DRAIN OUTLET PROTECTION DETAIL D-55 SECTION 803		RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN RIP-RAP SHALL BE THE 25-YEAR STORM PEAK FLOW. BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL 480 <math>< 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR 450 <math>< 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
Su	SURFACE ROUGHENING CONSTRUCTION DETAIL S-1 SECTION 205		PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY CREATING A CLEARED DOZEL ON THE SLOPE, IN A VERTICAL DIRECTION, TO REDUCE VELOCITY OF FLOW AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS. IF SERATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERATED SLOPES ARE TO BE USED.
Tc-F	TURBIDITY FLOATING CONSTRUCTION DETAIL D-51 SECTION 170		A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED UNDER PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
Tc-S	TURBIDITY STAKED CONSTRUCTION DETAIL D-51 SECTION 170		A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW BODIES OF WATER WHERE CONSTRUCTION IS REQUIRED. CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS OTHERWISE NOTED. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.

NO SCALE

EROSION CONTROL LEGEND
 UNIFORM CODE SHEET
 SHEET 7 OF 7
 DRAWING NO. 52-0007

DATE	DATE	DATE	DATE
CHECKED:	BACKCHECKED:	CORRECTED:	VERIFIED:
DATE:	DATE:	DATE:	DATE:



EROSION CONTROL LEGEND
 WATER TANK ROAD
 DRAINAGE IMPROVEMENTS

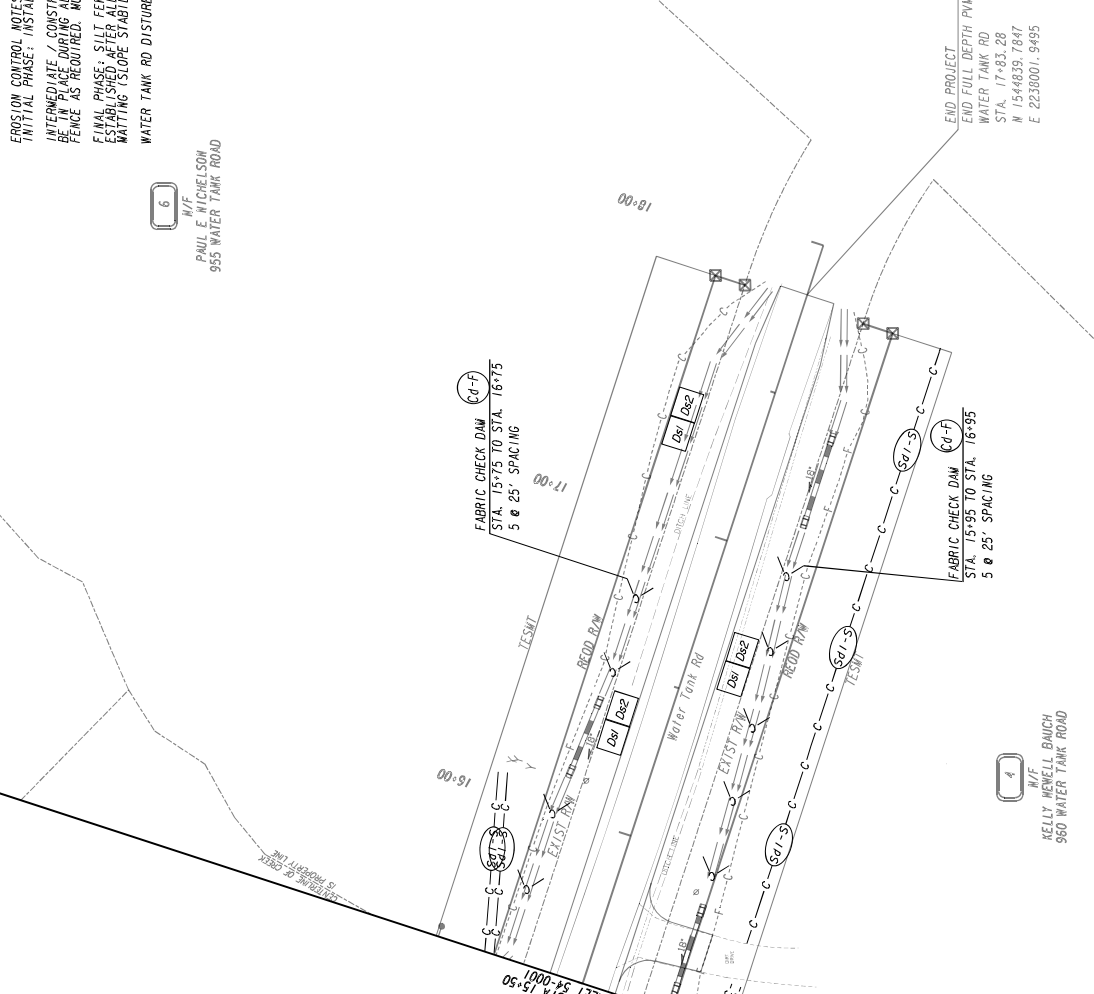
REVISION DATES

DATE	DATE	DATE	DATE
CHECKED:	BACKCHECKED:	CORRECTED:	VERIFIED:
DATE:	DATE:	DATE:	DATE:

DRAWING NO. 52-0007

12/26/2023
1:29:57 PM
C:\12\1264839-81-100_101
1264839-81-100_101.dwg

EROSION CONTROL NOTES:
INITIAL PHASE: INSTALL SILT FENCE PRIOR TO ANY LAND DISTURBING ACTIVITY.
INTERMEDIATE / CONSTRUCTION PHASE: ROCK FILTER DAMS AND FABRIC CHECK DAMS SHALL BE IN PLACE DURING ALL PHASES OF CONSTRUCTION. MAINTAIN SILT FENCE AS REQUIRED. MULCH AND TEMPORARY GRASS AS NEEDED.
FINAL PHASE: SILT FENCE SHALL BE REMOVED AND PERMANENT GRASSING SHALL BE ESTABLISHED FOR ALL CONSTRUCTION ACTIVITY. WHEN COMPLETED, EROSION CONTROL MATTING / SLOPE STABILIZATION AND TOP REINFORCED MATTING SHALL BE INSTALLED.
WATER TANK RD DISTURBED AREA = 0.95 AC



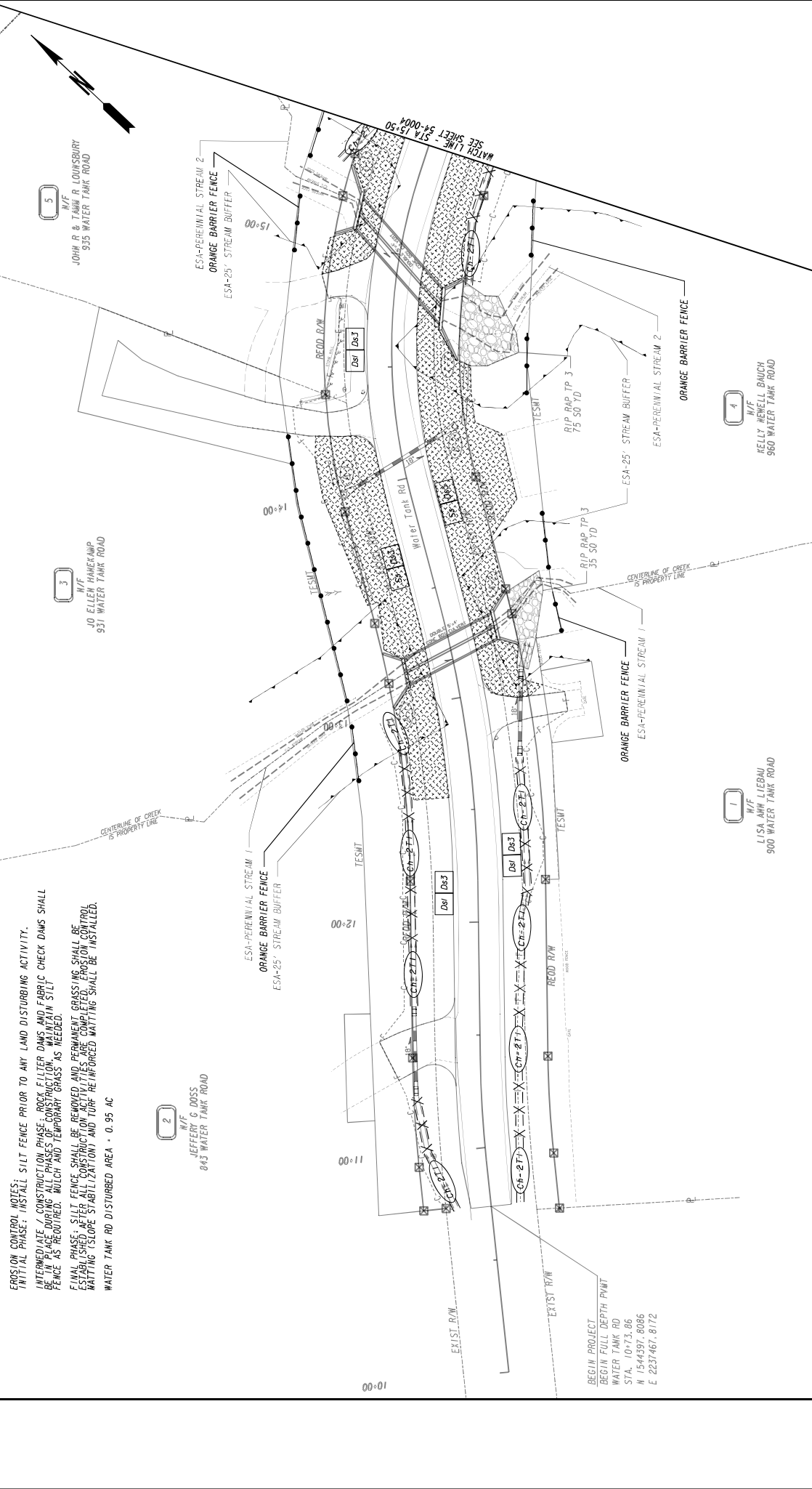
END PROJECT
END FILL DEPTH POINT
WATER TANK RD
STA. 17+83.28
N 1544839.7847
E 2238001.9495

REVISION DATES		BMP LOCATION DETAILS	
NO.	DATE	DESCRIPTION	BY
1		INITIAL AND INTERMEDIATE PHASE DRAINAGE IMPROVEMENTS	
2			
3			
4			
5			
6			
7			
8			
9			
10			



	B/LA
	E/LA
	REG'D LIMIT OF ACCESS & RW
	ORANGE BARRIER FENCE
	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

	PROPERTY AND EXISTING RW LINE
	REQUIRED RW LINE
	CONSTRUCTION LIMITS
	EASEMENT FOR CONSTR. & MAINTENANCE OF SLOPES
	EASEMENT FOR CONSTR. OF DRIVES



EROSION CONTROL NOTES:
 INITIAL PHASE: INSTALL SILT FENCE PRIOR TO ANY LAND DISTURBING ACTIVITY.
 INTERMEDIATE PHASE: CONSTRUCT OULETS, ROCK FILTER DAMS AND FABRIC CHECK DAMS SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION. PERMANENT GRASS SHALL BE ESTABLISHED AFTER CONSTRUCTION AND TURF REINFORCED MATTING SHALL BE INSTALLED.
 FINAL PHASE: SILT FENCE SHALL BE REMOVED AND PERMANENT GRASSING SHALL BE ESTABLISHED AFTER CONSTRUCTION AND TURF REINFORCED MATTING SHALL BE INSTALLED.
 WATER TANK RD DISTURBED AREA - 0.95 AC

2
 I/F
 JEFFERY G. DOSS
 843 WATER TANK ROAD

1
 I/F
 LISA ANN LIEBAU
 900 WATER TANK ROAD

4
 I/F
 KELLY KENNEL BAUGH
 960 WATER TANK ROAD

3
 I/F
 JO ELLEN HANERKAMP
 931 WATER TANK ROAD

5
 I/F
 JOHN R & TAMM R LOURSBURY
 935 WATER TANK ROAD

PROPERTY AND EXISTING ROW LINE

REQUIRED ROW LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR.

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS

END LIMIT OF ACCESS

REG'D LIMIT OF ACCESS

REG'D LIMIT OF ACCESS & ROW

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

BIA

EIA

SCALE IN FEET

REVISION DATES

NO.	DATE	DESCRIPTION

BMP LOCATION DETAILS

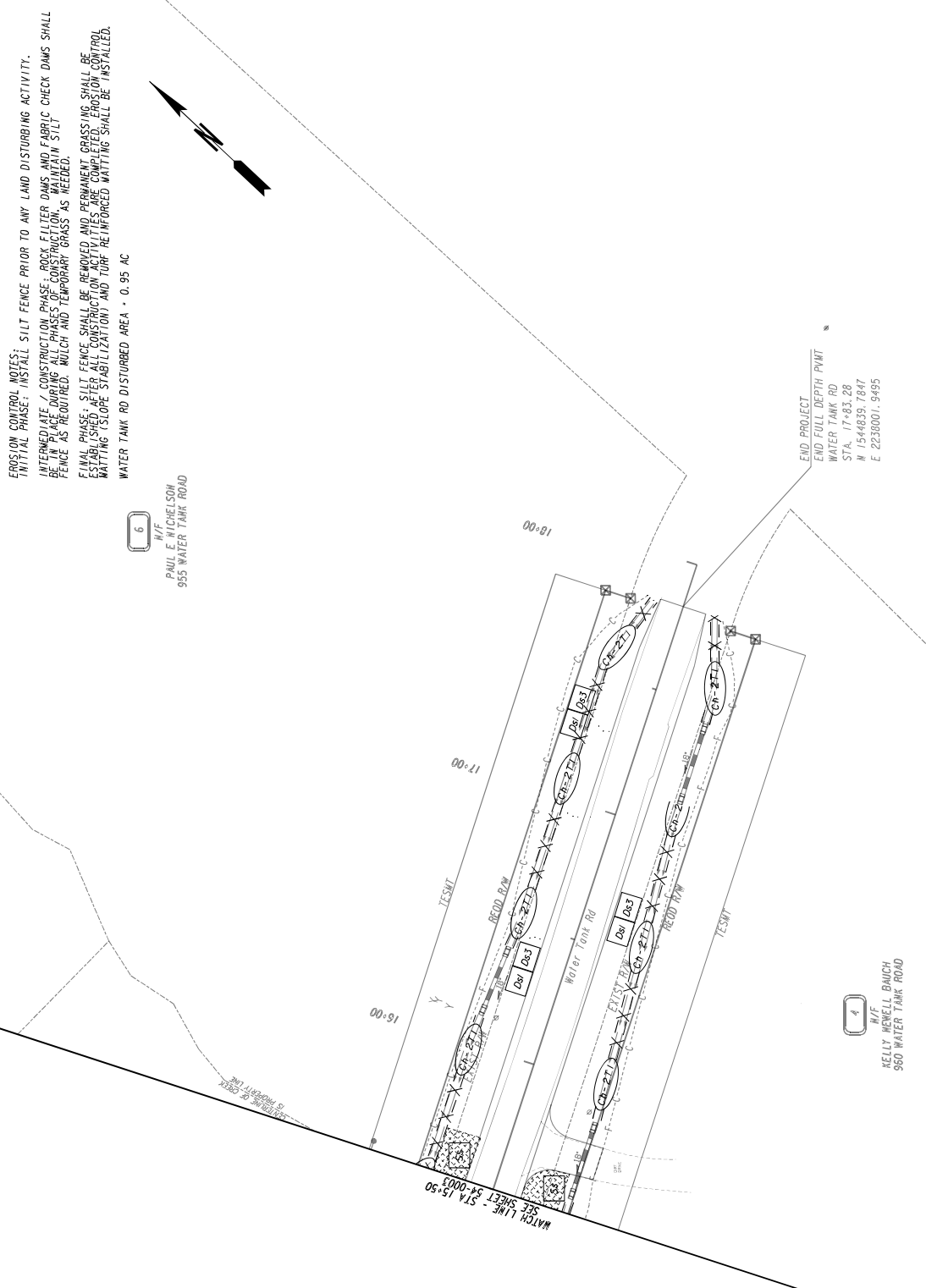
FINAL PHASE

WATER TANK ROAD

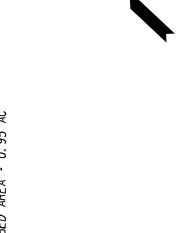
DRAINAGE IMPROVEMENTS

DESIGNED BY	CHECKED BY	DATE

DRAWING NO. **54-0003**



EROSION CONTROL NOTES:
INITIAL PHASE: INSTALL SILT FENCE PRIOR TO ANY LAND DISTURBING ACTIVITY.
INTERMEDIATE / CONSTRUCTION PHASE: ROCK FILTER DAMS AND FABRIC CHECK DAMS SHALL BE IN PLACE DURING ALL PHASES OF CONSTRUCTION. MAINTAIN SILT FENCE AS REQUIRED. MULCH AND TEMPORARY GRASS AS NEEDED.
FINAL PHASE: SILT FENCE SHALL BE REMOVED AND PERMANENT GRASSING SHALL BE ESTABLISHED FOR ALL CONSTRUCTION ACTIVITY. EROSION CONTROL MATTING / SLOPE STABILIZATION AND TOP REINFORCED MATTING SHALL BE INSTALLED.
WATER TANK RD DISTURBED AREA - 0.95 AC



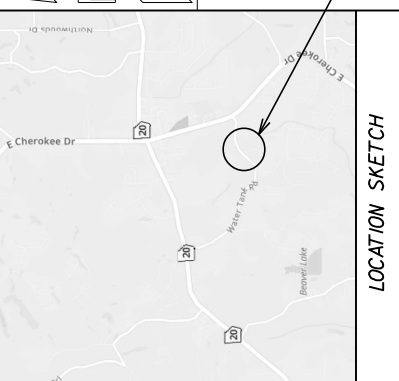
6
 M/F
 PAUL E. WICKELSON
 955 WATER TANK ROAD

END PROJECT
END FILL DEPTH PNT
 WATER TANK RD
 STA. 17+83.28
 N 1544839.7847
 E 2238001.9495

4
 M/F
 KELLY NEWELL BAUGH
 960 WATER TANK ROAD

PROPERTY AND EXISTING ROW LINE REQUIRED ROW LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES				REVISION DATES	800' LOCATION DETAILS FINAL PHASE WATER TANK ROAD DRAINAGE IMPROVEMENTS	
BEGIN LIMIT OF ACCESS END LIMIT OF ACCESS REG'D LIMIT OF ACCESS REG'D LIMIT OF ACCESS & ROW ORANGE BARRIER FENCE ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)					CHECKED: _____ DESIGNED: _____ DATE: _____ DRAWING NO. 54-0004	DATE: _____ DATE: _____ DATE: _____



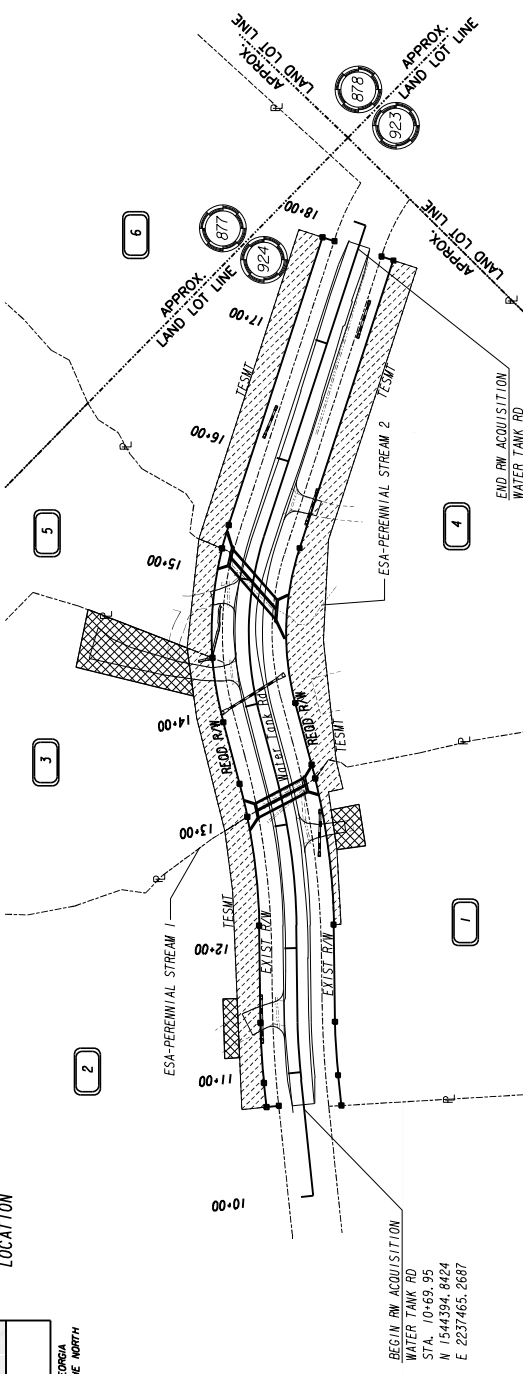


LOCATION SKETCH

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983) IN WEST ZONE AND THE NORTH AMERICAN VERTICAL DATUM (NAVD83) OF 1988.

CHEROKEE COUNTY SPLOST ROADWAY PROGRAM RIGHT OF WAY OF PROPOSED WATER TANK ROAD DRAINAGE IMPROVEMENTS PROJECT 74008

PROJECT LOCATION



CONVENTIONAL SIGNS

LAND LOT LINE	---
PROPERTY LINE	-----
EXISTING
REQUIRED LIMIT OF ACCESS	-----
RED. LIMIT OF ACCESS	-----
EXISTING LIMIT OF ACCESS & R/W	-----
RED. LIMIT OF ACCESS & R/W	-----
PROPS.
FENCE	-----

BEGIN RW ACQUISITION
WATER TANK RD
STA. 10+69.95
N 1544394.8424
E 2237465.2687

END RW ACQUISITION
WATER TANK RD
STA. 17+60.00
N 1544638.3861
E 2237398.9826

PREPARED BY:

CHARLIE A. LANZ, PE



PLANS PREPARED BY:
CALCO
ENGINEERING



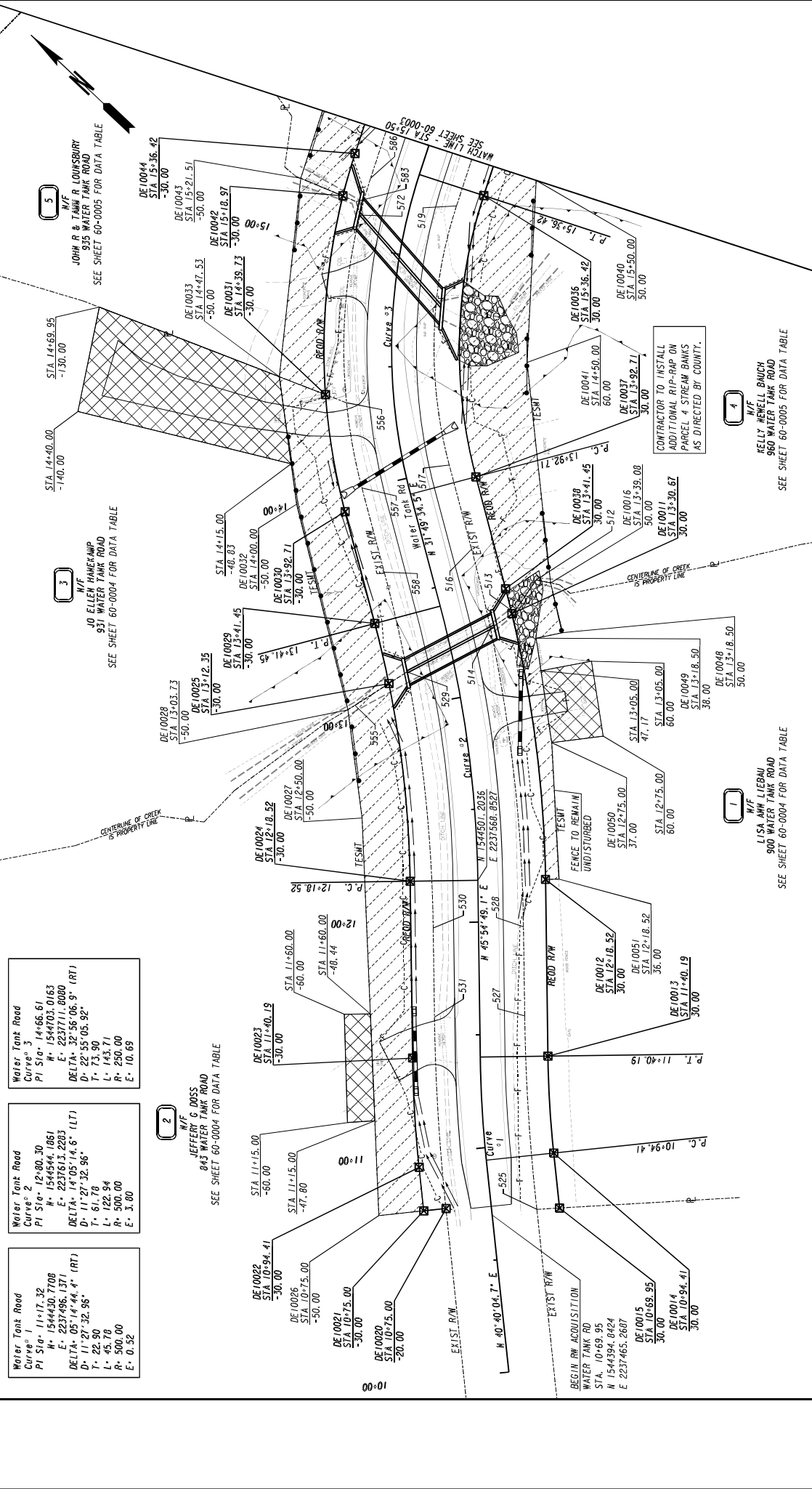
PLANS COMPLETED 12-06-2023

REVISIONS

LENGTH OF RW PROJECT COUNTY: CHEROKEE (057)	LAND LOT 924 MILES
NET LENGTH OF RIGHT OF WAY	0.34
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF RIGHT OF WAY	0.34

CHEROKEE COUNTY

DRAWING NO.
60-0001



Water Tank Road
Curve 1
PI Sta. 11+17.32
P Sta. 10+94.41
E. 2237496.1371
DELTA = 0° 14' 44.4" (RT)
D. 22.32
L. 42.90
T. 61.78
R. 500.00
E. 0.52

Water Tank Road
Curve 2
PI Sta. 12+00.30
P Sta. 11+50.00
E. 2237613.2200
DELTA = 0° 05' 06.9" (LT)
D. 11.87
L. 32.96
T. 51.78
R. 500.00
E. 3.60

Water Tank Road
Curve 3
PI Sta. 14+66.61
P Sta. 14+40.00
E. 1544503.0163
DELTA = 29° 55' 05.92" (RT)
D. 74.90
L. 143.71
T. 250.00
R. 500.00
E. 10.69

Water Tank Road
Curve 4
PI Sta. 14+69.95
P Sta. 14+40.00
E. 1544503.0163
DELTA = 29° 55' 05.92" (RT)
D. 74.90
L. 143.71
T. 250.00
R. 500.00
E. 10.69

2 M/F
JEFFERY G. DOSS
843 WATER TANK ROAD
SEE SHEET 60-0004 FOR DATA TABLE

3 M/F
JO ELLEN HANERKAMP
931 WATER TANK ROAD
SEE SHEET 60-0004 FOR DATA TABLE

5 M/F
JOHN R & TAMM R LOURSBURY
535 WATER TANK ROAD
SEE SHEET 60-0005 FOR DATA TABLE

1 M/F
LISA ANN LIBBAU
900 WATER TANK ROAD
SEE SHEET 60-0004 FOR DATA TABLE

4 M/F
RELLY KEMELL BAUGH
960 WATER TANK ROAD
SEE SHEET 60-0005 FOR DATA TABLE

**CONTRACTOR TO INSTALL
ADDITIONAL RIP-RAP ON
PARCEL 4 STREAM BANKS
AS DIRECTED BY COUNTY.**

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
CONSENT FOR CONSTR.
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS
END LIMIT OF ACCESS
REG'D LIMIT OF ACCESS
REG'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

B/LA
E/LA

SCALE IN FEET
0 20 40 60 80

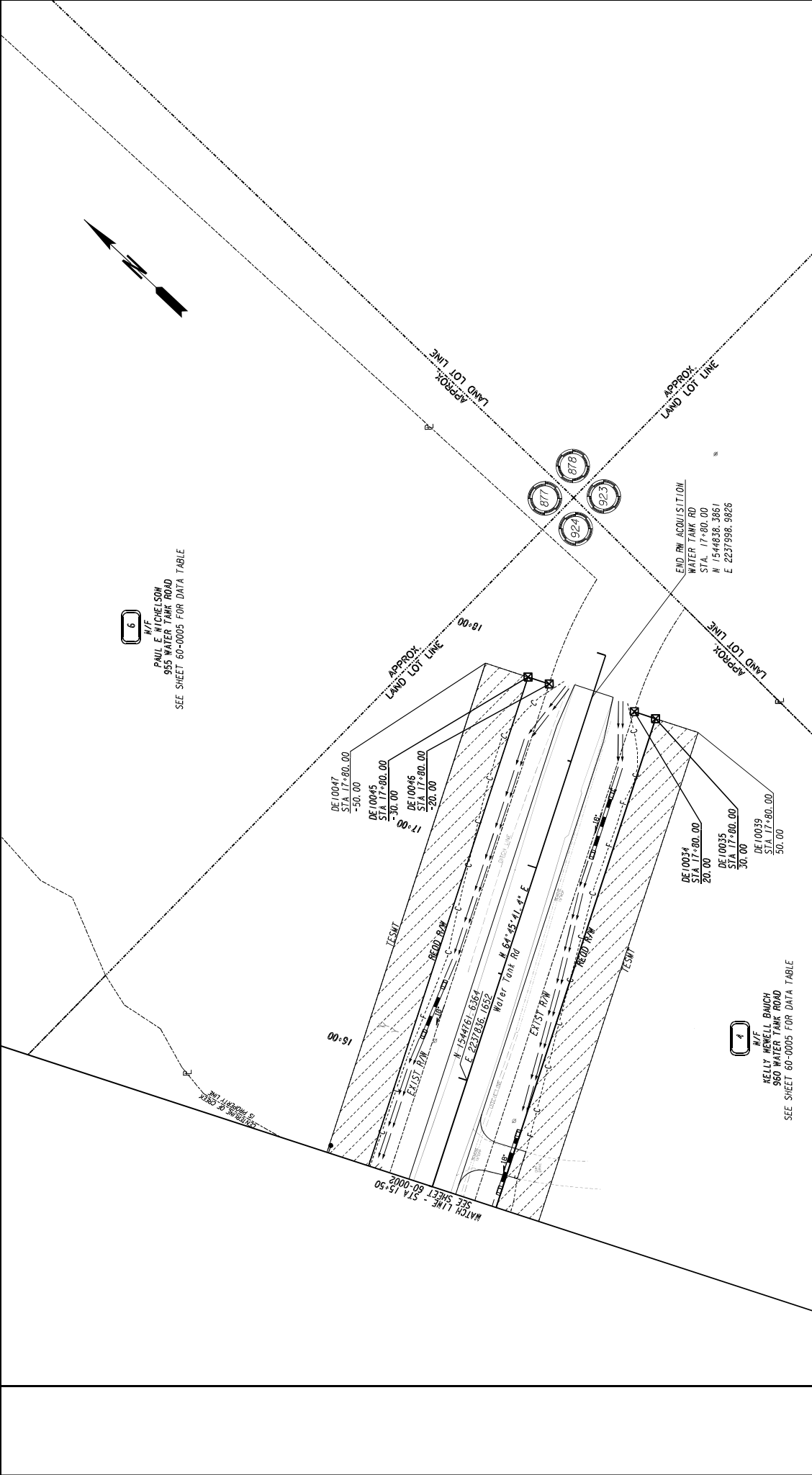
REVISION DATES

CALCO ENGINEERING

**RIGHT OF WAY PLAN
WATER TANK ROAD
DRAINAGE IMPROVEMENTS**

NO.	DATE	BY	REVISION
1			
2			
3			
4			

DRAWING NO. **60-0002**

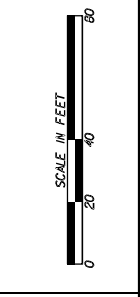


6
W/F
PAUL E. WICHEISON
955 WATER TANK ROAD
SEE SHEET 60-0005 FOR DATA TABLE

4
W/F
KELLY HOWELL BAUCH
960 WATER TANK ROAD
SEE SHEET 60-0005 FOR DATA TABLE

END RW ACQUISITION
WATER TANK RD
STA. 17+80.00
N 154483.8, 3851
E 2237996.9826

REVISION DATES			
NO.	DATE	BY	DESCRIPTION



-----	REG'D LIMIT OF ACCESS	B/LA
-----	END LIMIT OF ACCESS	E/LA
-----	REG'D LIMIT OF ACCESS & R/W	-----	
-----	ORANGE BARRIER FENCE	-----	
-----	ESA - ENV. SENSITIVE AREA	-----	(SEE ERIT TABLE)

-----	PROPERTY AND EXISTING RW LINE
-----	REQUIRED RW LINE
-----	CONSTRUCTION LIMITS
-----	EASEMENT FOR CONSTR. & MAINTENANCE OF SLOPES
-----	EASEMENT FOR CONSTR. OF DRIVES

RIGHT OF WAY PLAN WATER TANK ROAD DRAINAGE IMPROVEMENTS			
DATE	BY	SCALE	SHEET

PLAN NO. 60-0003

PAR 1 -	REC'D R/W	REC'D R/W	DE 101	STATION/ BEARING	ALIGNMENT
PNT	OFFSET/ DIST				
DE 10012	20.00 R	85.33	107.0.42	1070.42	Water Tank Road C/L
ARC LENGTH		85.33			
CHORD BEAR		105°49.8' E			
LNTH CHORD		85.30			
RADIUS		874.06			
DEGREE		6.33			
DE 10013	20.00 R	11+56.20			Water Tank Road C/L
ARC LENGTH		11+56.20			
CHORD BEAR		145°24.49.1' E			
LNTH CHORD		11+31.61			
RADIUS		688.75			
DEGREE		19.17			
DE 10014	30.00 R	13+26.67			Water Tank Road C/L
ARC LENGTH		13+26.67			
CHORD BEAR		176°39.7' E			
LNTH CHORD		13+30.67			
RADIUS		530.00			
DEGREE		19.17			
DE 10015	30.00 R	12+18.52			Water Tank Road C/L
ARC LENGTH		12+18.52			
CHORD BEAR		45°54.49.1' W			
LNTH CHORD		11+40.19			
RADIUS		648.75			
DEGREE		8.49			
DE 10016	30.00 R	10+94.41			Water Tank Road C/L
ARC LENGTH		10+94.41			
CHORD BEAR		106°39.22.1' W			
LNTH CHORD		10+70.42			
RADIUS		410.00			
DEGREE		7.81			
DE 10017	30.00 R	12+18.52			Water Tank Road C/L
ARC LENGTH		12+18.52			
CHORD BEAR		45°54.49.1' W			
LNTH CHORD		11+40.19			
RADIUS		648.75			
DEGREE		8.49			
DE 10018	30.00 R	11+91.57			Water Tank Road C/L
ARC LENGTH		11+91.57			
CHORD BEAR		45°54.49.1' W			
LNTH CHORD		11+58.20			
RADIUS		648.75			
DEGREE		8.49			
DE 10019	30.00 R	10+75.00			Water Tank Road C/L
ARC LENGTH		10+75.00			
CHORD BEAR		107°49.1' W			
LNTH CHORD		10+58.20			
RADIUS		648.75			
DEGREE		8.49			
RECORD R/W : 20.00 R					
RECORD R/W : 20.00 R					
REMAINDER : +7 - 8.81 ACRES					
I DRIVEWAY EASEMENT					

PAR 2 -	REC'D R/W	REC'D R/W	DE 103	STATION/ BEARING	ALIGNMENT
PNT	OFFSET/ DIST				
DE 10020	20.00 L	10+75.00			Water Tank Road C/L
ARC LENGTH		10+75.00			
CHORD BEAR		107°49.1' W			
LNTH CHORD		10+40.41			
RADIUS		485.52			
DEGREE		30.00			
DE 10021	30.00 L	10+40.41			Water Tank Road C/L
ARC LENGTH		10+40.41			
CHORD BEAR		107°49.1' W			
LNTH CHORD		10+17.26.9' E			
RADIUS		485.52			
DEGREE		30.00			
DE 10022	30.00 L	11+40.19			Water Tank Road C/L
ARC LENGTH		11+40.19			
CHORD BEAR		121°18.52			
LNTH CHORD		88+21.32'14.2' E			
RADIUS		688.75			
DEGREE		30.00			
DE 10023	30.00 L	12+18.52			Water Tank Road C/L
ARC LENGTH		12+18.52			
CHORD BEAR		137°59.19.2' E			
LNTH CHORD		13+16.00			
RADIUS		530.00			
DEGREE		9.68			
DE 10024	30.00 L	13+16.00			Water Tank Road C/L
ARC LENGTH		13+16.00			
CHORD BEAR		57°52.07.5' W			
LNTH CHORD		14.10			
RADIUS		648.75			
DEGREE		20.00			
DE 10025	30.00 L	11+91.57			Water Tank Road C/L
ARC LENGTH		11+91.57			
CHORD BEAR		45°54.49.1' W			
LNTH CHORD		11+58.20			
RADIUS		648.75			
DEGREE		8.49			
DE 10026	30.00 L	10+75.00			Water Tank Road C/L
ARC LENGTH		10+75.00			
CHORD BEAR		107°49.1' W			
LNTH CHORD		10+58.20			
RADIUS		648.75			
DEGREE		8.49			
RECORD R/W : 20.00 L					
RECORD R/W : 20.00 L					
REMAINDER : +7 - 2.30 ACRES					
I DRIVEWAY EASEMENT					

PAR 3 -	REC'D R/W	REC'D R/W	DE 106	STATION/ BEARING	ALIGNMENT
PNT	OFFSET/ DIST				
DE 10027	30.00 L	13+12.35			Water Tank Road C/L
ARC LENGTH		13+12.35			
CHORD BEAR		51°26.1'			
LNTH CHORD		20.96			
RADIUS		200.00			
DEGREE		45.56			
DE 10028	30.00 L	14+00.25			Water Tank Road C/L
ARC LENGTH		14+00.25			
CHORD BEAR		51°26.1'			
LNTH CHORD		20.96			
RADIUS		200.00			
DEGREE		45.56			
RECORD R/W : 30.00 L					
RECORD R/W : 30.00 L					
REMAINDER : 0.028 ACRES					
I DRIVEWAY EASEMENT					

PAR 3 -	REC'D R/W	REC'D R/W	DE 106	STATION/ BEARING	ALIGNMENT
PNT	OFFSET/ DIST				
DE 10029	30.00 L	13+12.35			Water Tank Road C/L
ARC LENGTH		13+12.35			
CHORD BEAR		51°26.1'			
LNTH CHORD		20.96			
RADIUS		200.00			
DEGREE		45.56			
DE 10030	30.00 L	14+00.25			Water Tank Road C/L
ARC LENGTH		14+00.25			
CHORD BEAR		51°26.1'			
LNTH CHORD		20.96			
RADIUS		200.00			
DEGREE		45.56			
RECORD R/W : 30.00 L					
RECORD R/W : 30.00 L					
REMAINDER : 0.028 ACRES					
I DRIVEWAY EASEMENT					

	RIGHT OF WAY PLAN WATER TANK ROAD DRAINAGE IMPROVEMENTS	
	CHECKED: _____ DATE: _____	DRAWING NO: 60-000A

PAR 4 - REOD RW REOD R/W DE107
PNT STATION/ ALIGNMENT
OFFSET/ BEARING
DIST
514 19.27 R 13+26.67 Water Tank Road C/L
ARC LENGTH = 36.22
CHORD BEAR = N 33.19 S 71.4° E
LNTH RADIUS = 19.27
DEGREE = 8.19 0.7°
516 20.00 R
517 19.86 R
CHORD BEAR = N 31.49 S 34.5° E
LNTH RADIUS = 19.86
DEGREE = 28.17 7.59, 3°
DE10034 20.00 R 15+27.57 Water Tank Road C/L
ARC LENGTH = 251.72
CHORD BEAR = N 64.45 S 41.4° E
LNTH RADIUS = 19.86
DEGREE = 15.27 5.7°
DE10035 30.00 R 17+80.00 Water Tank Road C/L
ARC LENGTH = 243.58
CHORD BEAR = S 64.45 S 41.4° W
LNTH RADIUS = 30.00
DEGREE = 17+80.00
DE10036 30.00 R 15+36.42 Water Tank Road C/L
ARC LENGTH = 126.46
CHORD BEAR = N 64.45 S 41.4° W
LNTH RADIUS = 30.00
DEGREE = 15+36.42
DE10037 30.00 R 13+92.71 Water Tank Road C/L
ARC LENGTH = 51.26
CHORD BEAR = S 31.49 S 34.5° W
LNTH RADIUS = 30.00
DEGREE = 13+92.71
DE10038 30.00 R 13+41.45 Water Tank Road C/L
ARC LENGTH = 5.32
CHORD BEAR = S 32.26 S 39.8° W
LNTH RADIUS = 11.44
DEGREE = 5.30 0.0°
DE10011 30.00 R 13+30.67 Water Tank Road C/L
ARC LENGTH = 19.27
CHORD BEAR = N 9.00 S 39.7° W
LNTH RADIUS = 30.00
DEGREE = 13+30.67
REOD R/W = 4482.05 SF
REMAINDER = +/- 2.69 ACRES
PAR 4 - TESMT REQ'D TEMP. EASMT. DE108
PNT STATION/ ALIGNMENT
OFFSET/
DIST
DE10011 30.00 R 13+30.67 Water Tank Road C/L
ARC LENGTH = 11.44
CHORD BEAR = N 32.26 S 39.8° E
LNTH RADIUS = 11.44
DEGREE = 11.44
DE10037 30.00 R 13+41.45 Water Tank Road C/L
ARC LENGTH = 10.48
CHORD BEAR = N 48.17 S 38.0° E
LNTH RADIUS = 124.73
DEGREE = 220.00
DE10035 30.00 R 17+80.00 Water Tank Road C/L
DE10039 50.00 R 17+80.00
DE10040 50.00 R 15+50.00
DE10041 60.00 R 14+50.00
DE10016 50.00 R 13+39.08
DE10013 31.08 R 13+31.08
DE10011 30.00 R 13+30.67
REOD EASMT AREA = 9689.84 SF

PAR 5 - REOD RW REOD R/W DE109
PNT STATION/ ALIGNMENT
OFFSET/ BEARING
DIST
556 20.97 L 14+35.78 Water Tank Road C/L
ARC LENGTH = 30.00
CHORD BEAR = N 51.15 S 40.56 S° E
LNTH RADIUS = 88.39
DEGREE = 280.00
DE10042 30.00 L 15+18.97 Water Tank Road C/L
ARC LENGTH = 81.69
CHORD BEAR = S 21.08 S 34.1° W
LNTH RADIUS = 30.00
DEGREE = 15+18.97
572 20.58 L 14+35.78 Water Tank Road C/L
ARC LENGTH = 50.58
CHORD BEAR = S 50.48 S 23.4° W
LNTH RADIUS = 20.58
DEGREE = 8.35 2.94
583 23.59 L 15+12.98 Water Tank Road C/L
ARC LENGTH = 20.58
CHORD BEAR = S 31.32 S 34.1° W
LNTH RADIUS = 20.58
DEGREE = 15+12.98
556 20.97 L 14+35.78 Water Tank Road C/L
ARC LENGTH = 791.37 SF
REOD R/W = 0.018 ACRES
REMAINDER = +/- 0.98 ACRES
PAR 5 - TESMT REQ'D TEMP. EASMT. DE110
PNT STATION/ ALIGNMENT
OFFSET/
DIST
DE10031 30.00 L 14+39.73 Water Tank Road C/L
DE10033 50.00 L 14+41.53 Water Tank Road C/L
DE10043 50.00 L 15+21.51 Water Tank Road C/L
DE10042 30.00 L 15+18.97 Water Tank Road C/L
ARC LENGTH = 88.76
CHORD BEAR = S 51.15 S 40.56 S° W
LNTH RADIUS = 88.39
DEGREE = 20.27 46.0°
DE10031 30.00 L 14+39.73 Water Tank Road C/L
REOD EASMT AREA = 15811.63 SF

PAR 6 - REOD RW REOD R/W DE111
PNT STATION/ ALIGNMENT
OFFSET/ BEARING
DIST
572 20.58 L 15+12.98 Water Tank Road C/L
ARC LENGTH = 6.32
CHORD BEAR = N 31.32 S 34.1° E
LNTH RADIUS = 15.18
DEGREE = 15+12.98
583 23.59 L 15+18.97 Water Tank Road C/L
ARC LENGTH = 30.00
CHORD BEAR = N 62.45 S 45.0° E
LNTH RADIUS = 19.53
DEGREE = 280.00
DE10044 30.00 L 15+36.42 Water Tank Road C/L
ARC LENGTH = 30.00
CHORD BEAR = N 64.45 S 41.4° E
LNTH RADIUS = 30.00
DEGREE = 15+36.42
DE10045 30.00 L 17+80.00 Water Tank Road C/L
ARC LENGTH = 251.72
CHORD BEAR = S 64.45 S 41.4° W
LNTH RADIUS = 30.00
DEGREE = 17+80.00
DE10046 20.00 L 15+28.88 Water Tank Road C/L
ARC LENGTH = 20.58
CHORD BEAR = S 62.43 S 42.3° W
LNTH RADIUS = 20.58
DEGREE = 15+12.98
586 23.59 L 15+12.98 Water Tank Road C/L
ARC LENGTH = 23.37 5.17°
CHORD BEAR = S 23.36 S 22°
LNTH RADIUS = 0.061 ACRES
REOD R/W = +/- 7.49 ACRES
REMAINDER = +/- 7.49 ACRES
PAR 6 - TESMT REQ'D TEMP. EASMT. DE112
PNT STATION/ ALIGNMENT
OFFSET/
DIST
DE10042 30.00 L 15+18.97 Water Tank Road C/L
DE10043 50.00 L 15+21.51 Water Tank Road C/L
DE10045 30.00 L 17+80.00 Water Tank Road C/L
DE10044 30.00 L 15+36.42 Water Tank Road C/L
ARC LENGTH = 15.32
CHORD BEAR = S 51.15 S 45.0° W
LNTH RADIUS = 19.53
DEGREE = 280.00
DEGREE = 20.27 46.0°
DE10042 30.00 L 15+18.97 Water Tank Road C/L
REOD EASMT AREA = 5179.37 SF

REVISION DATES

NO.	DATE	DESCRIPTION

CHECKED: _____ DATE: _____
DRAWN: _____ DATE: _____
CORRECTED: _____ DATE: _____
VERIFIED: _____ DATE: _____

RIGHT OF WAY PLAN
WATER TANK ROAD
DRAINAGE IMPROVEMENTS
DRAWING NO. 60-0005

