

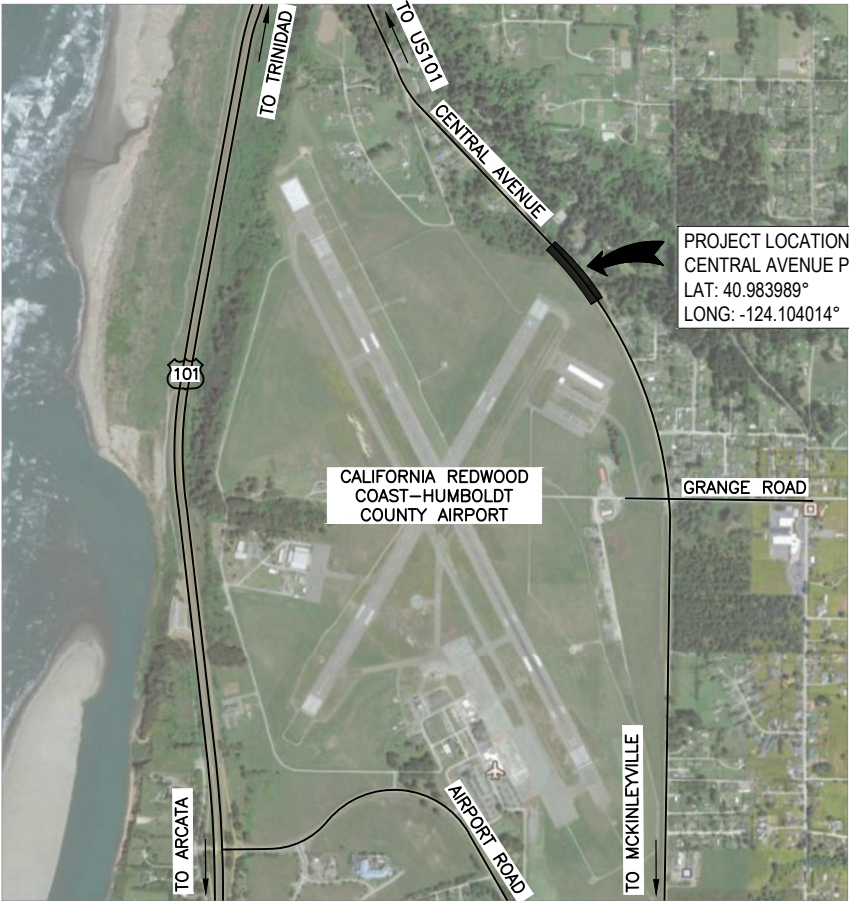
FUNDING SOURCE

THIS PROJECT IS FUNDED BY THE US DEPARTMENT OF
TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION
EMERGENCY RELIEF PROGRAM



ABBREVIATIONS
(TO SUPPLEMENT CALTRANS
STANDARD PLANS A3A, A3B & A3C)

APN ASSESSORS PARCEL NUMBER
CL CENTERLINE
(E) EXISTING
EL ELEVATION
LT LEFT
RT RIGHT
S SLOPE



VICINITY MAP
NTS



COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
PROJECT PLANS FOR CONSTRUCTION OF
STORM DAMAGE REPAIRS
CENTRAL AVENUE PM 4.30
PROJECT NO. ER-40A0(058)
CONTRACT NO. 219209

TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT
OF TRANSPORTATION 2024 STANDARD PLANS, 2024 STANDARD SPECIFICATIONS, AND LATEST
REVISED STANDARD PLANS AND SPECIFICATIONS.



SHEET LIST TABLE

SHEET	SHEET TITLE
1	TITLE SHEET
2	TEMPORARY TRAFFIC CONTROL AND QUANTITIES
3	SURVEY CONTROL PLAN
4	TYPICAL SECTIONS
5	LAYOUT
6	DRAINAGE AND UTILITIES
7	DRAINAGE PROFILES - 1 OF 2
8	DRAINAGE PROFILES - 2 OF 2
9	STRIPING PLAN
10	EROSION CONTROL PLAN
11	CONSTRUCTION DETAILS - 1 OF 2
12	CONSTRUCTION DETAILS - 2 OF 2

NOTES

- THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT.
- STANDARD PLAN LIST APPLICABLE TO THIS CONTRACT INCLUDED IN THE SPECIAL PROVISIONS.

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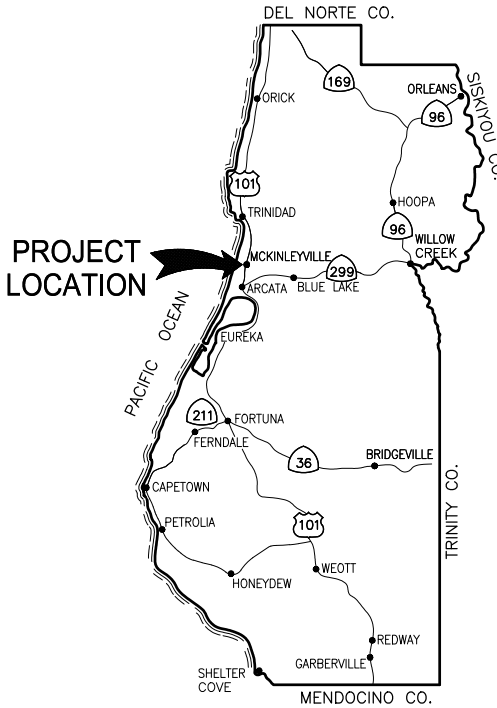
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IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY

ROAD NAME: CENTRAL AVENUE	DESIGN SECTION ENGINEERING
ROAD NO: A4L800	DESIGNED BY: C. HAYES/A. HOY
MILE POST: 4.30	DRAWN BY: C. HAYES/A. HOY
PROJECT NO.: ER-40A0(058)	REVIEWED BY: J. WOLF
CONTRACT NO.: 219209	APPROVED BY: J. WOLF
PLOT DATE: 03/28/2025	

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
TITLE SHEET

SHEET
1
OF
12



LOCATION MAP
NOT TO SCALE



JOSHUA A. WOLF
RCE C70358
CIVIL ENGINEER
GHD INC.

3/28/2025
DATE



APPROVED

TONY R. SEGHEITI
RCE 63714
DEPUTY DIRECTOR OF ENGINEERING
COUNTY OF HUMBOLDT

4/02/2025
DATE

NOTE: THIS PLAN IS ACCURATE FOR TEMPORARY TRAFFIC CONTROL AND QUANTITIES ONLY

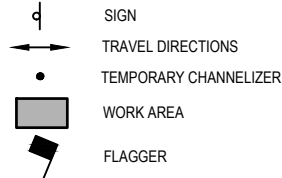
QUANTITIES

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY
1	120090	Construction Area Signs	EA	4
2	120100	Traffic Control System	LS	1
3	130100	Job Site Management	LS	1
4	130201	Water Pollution Control Program	LS	1
5	130610	Temporary Check Dam	LF	10
6	130620	Temporary Drainage Inlet Protection	EA	3
7	170103	Clearing and Grubbing (LS)	LS	1
8	190101	F Roadway Excavation	CY	1470
9	193004	F Structure Backfill (Culvert)	CY	680
10	194001	F Ditch Excavation	CY	102
11	198050	F Embankment	CY	620
12	210212	Dry Seed (SQFT)	SQFT	11500
13	210350	Fiber Rolls	LF	900
14	210420	Straw	SQFT	11500
15	260202	Class 2 Aggregate Base (TON)	TON	136
16	390132	Hot Mix Asphalt (Type A)	TON	161
17	394073	Place Hot Mix Asphalt Dike (Type A)	LF	756
18	510094A	Structural Concrete, Drainage Inlet (Type GO)	EA	2
19	510094A	Structural Concrete, Drainage Inlet (Type G4)	EA	1
20	641119A	30" Plastic Pipe (HDPE, Type S)	LF	882
21	692381	Concrete Anchor and Cable Assembly	EA	1
22	707233	60" Precast Concrete Pipe Manhole	LF	14
23	710132	Remove Culvert (LF)	LF	16
24	710150	Remove Inlet	EA	2
25	723075	Rock Slope Protection (150 lb, Class III, Method B) (TON)	TON	221
26	723100	Rock Slope Protection (20 lb, Class II, Method B) (TON)	TON	3
27	729011	Rock Slope Protection Fabric (Class 8)	SQYD	158
28	750010	Manhole Frame and Cover	EA	2
29	750500	Miscellaneous Metal (Type 24-12X Grate, Galvanized)	LB	717
30	800360	Chain Link Fence (Type CL-6)	LF	40
31	803020	Remove Fence	LF	40
32	840505A	4" Thermoplastic Traffic Stripe	LF	914
33	999990	Mobilization	LS	1

CONSTRUCTION SIGN NOTES:

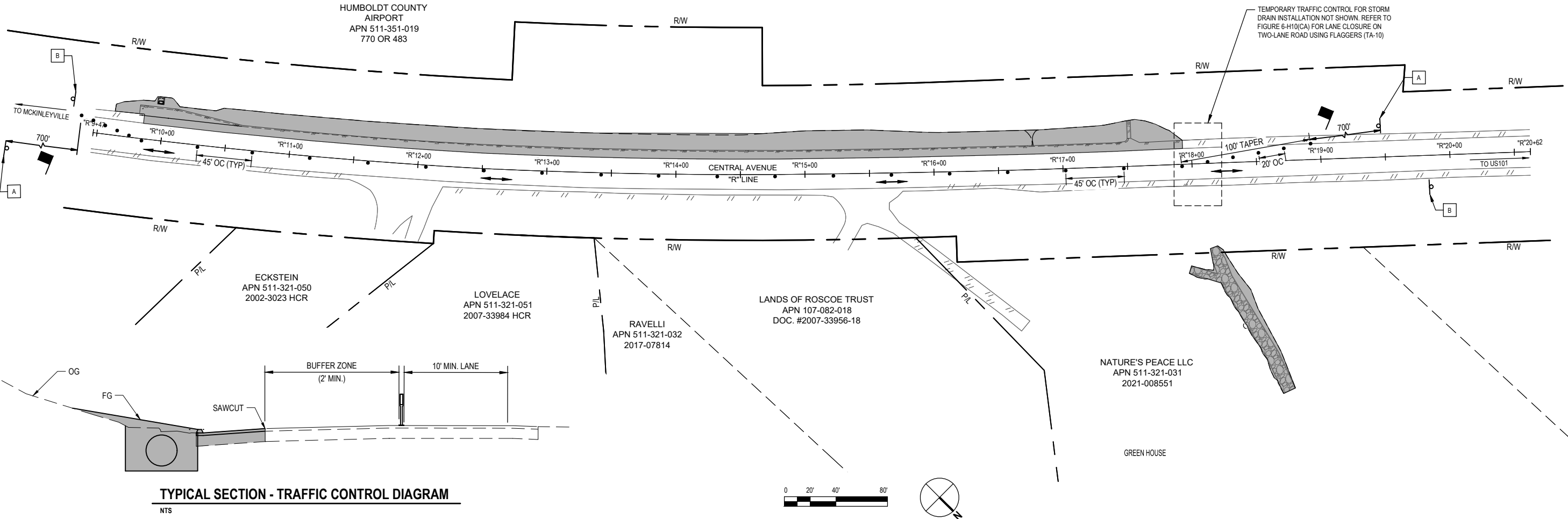
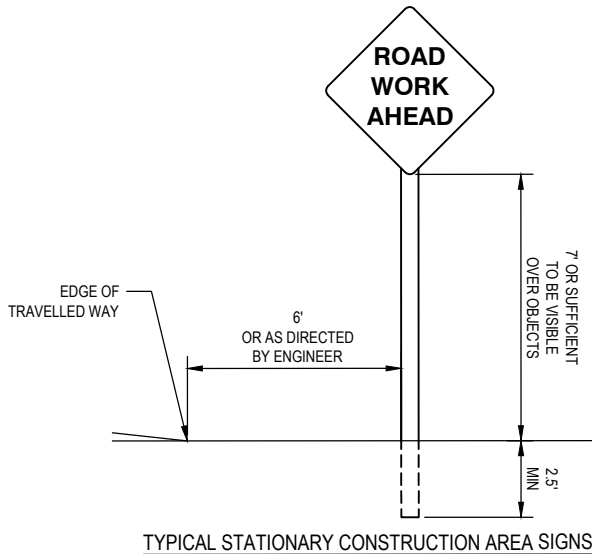
- EXACT SIGN LOCATIONS AND POSITIONS TO BE APPROVED BY THE ENGINEER.
- ALL WARNING SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON ORANGE BACKGROUND.
- ALTERNATIVE POST CONFIGURATION TO BE APPROVED BY ENGINEER.
- REFER TO CAMUTCD TABLE 6H-3 RECOMMENDED ADVANCE WARNING SIGN SPACING.
- REFER TO CAMUTCD FIGURE 6-H11 FOR LANE CLOSURE ON A TWO-LANE ROAD WITH LOW TRAFFIC VOLUMES (TA-11).
- REFER TO CAMUTCD FIGURE 6H-6 FOR SHOULDER WORK WITH MINOR ENCROACHMENT (TA-6).
- REFER TO FIGURE 6-H10 (CA) FOR LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS (TA-10).
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD) AND CALTRANS 2024 STANDARD PLANS.
- MAINTAIN ALL SIGNS THROUGHOUT DURATION OF CONSTRUCTION.
- MAINTAIN AT LEAST ONE TRAVEL LANE AT ALL TIMES.
- PROVIDE FLAGGERS AS REQUIRED TO ACCOMMODATE CONSTRUCTION.

LEGEND



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	NUMBER & POST SIZE	NO. OF SIGNS
A	W20-1	36"x36"	ROAD WORK AHEAD	(1) 4"x4"	2
B	G20-2	36"x18"	END ROAD WORK	(1) 4"x4"	2



TYPICAL SECTION - TRAFFIC CONTROL DIAGRAM

NTS



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ROAD NO: A4L800
MILE POST: 4.30
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CONTRACT NO.: 219209
PLOT DATE: 03/28/2025

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DRAWN BY: C. HAYES/A. HOY
REVIEWED BY: J. WOLF
APPROVED BY: J. WOLF

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
TEMPORARY TRAFFIC CONTROL AND QUANTITIES

SHEET
2
OF
12

SURVEY MONUMENT NOTES

- CONTRACTOR MUST COMPLY WITH BUSINESS AND PROFESSIONS CODE SECTION 8771 (b) REGARDING REFERENCING, PRESERVING AND RECONSTRUCTING SURVEY MONUMENTS, WHETHER OR NOT SURVEY MONUMENTS ARE SHOWN IN THESE PLANS.
- IF SURVEY MONUMENT IS DAMAGED BY CONTRACTORS OPERATIONS, CONTRACTOR SHALL REPLACE SURVEY MONUMENT AT CONTRACTORS EXPENSE.

SURVEY CONTROL NOTES

- THE BEARINGS ARE BASED ON THE TIES BETWEEN FOUND 6"X6" CONCRETE MONUMENT (#505) AND FOUND 6"X6" CONCRETE MONUMENT (#502) BEING S44°23'07"E 404.25' CALC'D (404.21' MEASURED) AS SHOWN AS BOOK 58 OF SURVEYS, PAGE 86 HUMBOLDT COUNTY RECORDS.
- ELEVATIONS ARE BASED ON AN ASSUMED ELEVATION OF 5000.00' AT BENCHMARK NUMBER 101, BEING A SET COTTEN GIN SPIKE WITH A BRASS TAG STAMPED, "HUMCO SURVEY".
- THE RIGHT OF WAY FOR THIS PROJECT IS CALCULATED FROM TIES TO MONUMENTS SHOWN ON BOOK 58 OF SURVEYS, PAGE 86 HCR, WHICH SHOWS A LOT LINE ADJUSTMENT FROM PARCELS CREATED BY BOOK 15 OF PARCEL MAPS, PAGE 24. BOTH MAPS SHOW TIES TO MONUMENTS SET PER CALIFORNIA DEPARTMENT OF TRANSPORTATION WHICH ARE SHOWN IN THE RIGHT OF WAY MAP 1-HUM-1, BOOK 03 OF HIGHWAY MAPS, PAGES 37-59, (SEE SHEET 47), HUMBOLDT COUNTY RECORDS.



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SURVEY CONTROL PLAN

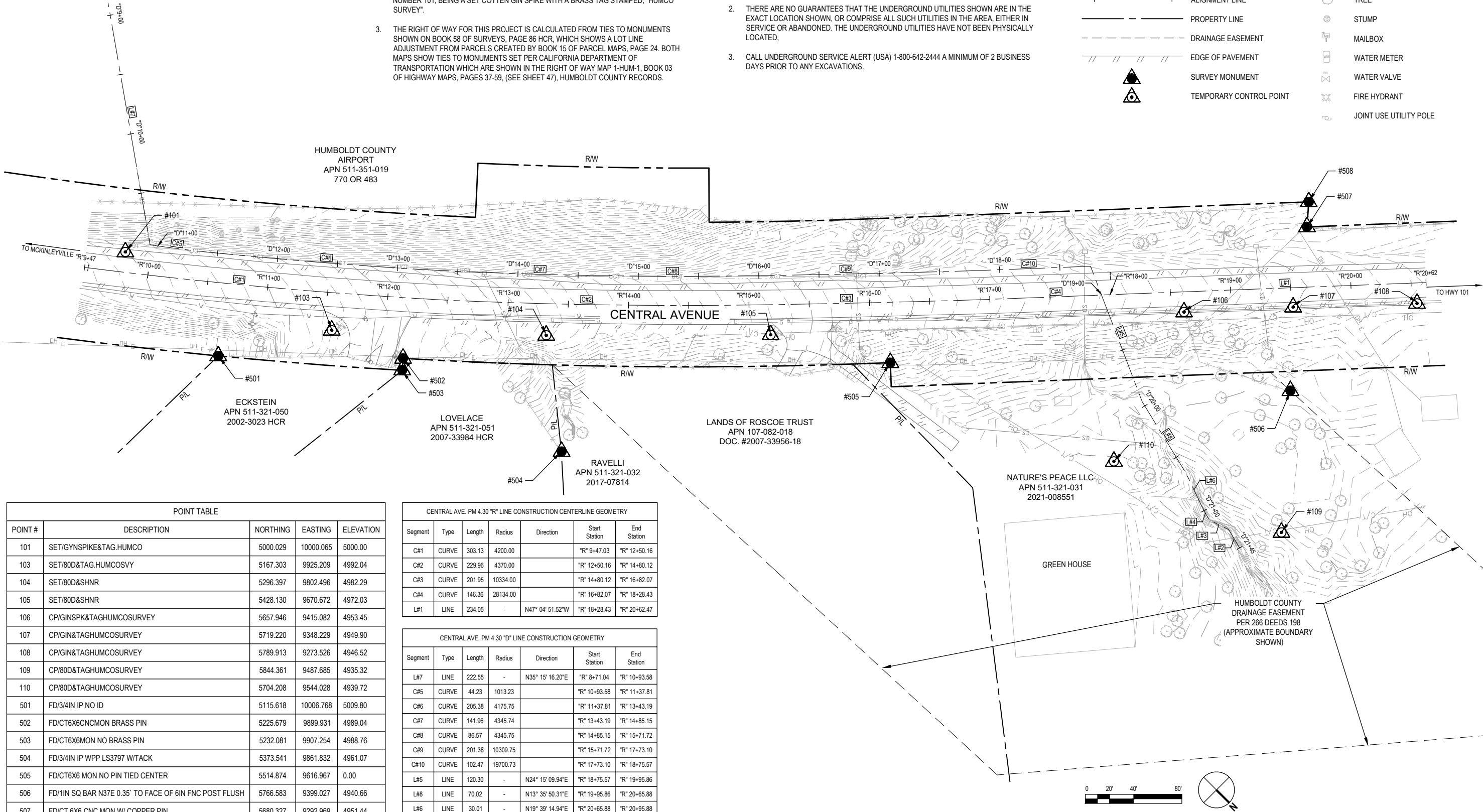
SHEET
3
OF
12

UNDERGROUND UTILITY NOTES

- UNDERGROUND UTILITIES ARE SHOWN BASED ON A COMBINATION OF VISIBLE PHYSICAL EVIDENCE AND RECORDS MADE AVAILABLE TO THE SURVEYOR.
- THERE ARE NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION SHOWN, OR COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE UNDERGROUND UTILITIES HAVE NOT BEEN PHYSICALLY LOCATED.
- CALL UNDERGROUND SERVICE ALERT (USA) 1-800-642-2444 A MINIMUM OF 2 BUSINESS DAYS PRIOR TO ANY EXCAVATIONS.

LEGEND

- RIGHT OF WAY
ALIGNMENT LINE
PROPERTY LINE
DRAINAGE EASEMENT
EDGE OF PAVEMENT
SURVEY MONUMENT
TEMPORARY CONTROL POINT
GUY WIRE
TREE
STUMP
MAILBOX
WATER METER
WATER VALVE
FIRE HYDRANT
JOINT USE UTILITY POLE



POINT TABLE				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
101	SET/GYNSPIKE&TAG.HUMCO	5000.029	10000.065	5000.00
103	SET/80D&TAG.HUMCOSVY	5167.303	9925.209	4992.04
104	SET/80D&SHNR	5296.397	9802.496	4982.29
105	SET/80D&SHNR	5428.130	9670.672	4972.03
106	CP/GINSPK&TAGHUMCOSURVEY	5657.946	9415.082	4953.45
107	CP/GIN&TAGHUMCOSURVEY	5719.220	9348.229	4949.90
108	CP/GIN&TAGHUMCOSURVEY	5789.913	9273.526	4946.52
109	CP/80D&TAGHUMCOSURVEY	5844.361	9487.685	4935.32
110	CP/80D&TAGHUMCOSURVEY	5704.208	9544.028	4939.72
501	FD/3/4IN IP NO ID	5115.618	10006.768	5009.80
502	FD/CT6X6CNCMON BRASS PIN	5225.679	9899.931	4989.04
503	FD/CT6X6MON NO BRASS PIN	5232.081	9907.254	4988.76
504	FD/3/4IN IP WPP LS3797 W/TACK	5373.541	9861.832	4961.07
505	FD/CT6X6 MON NO PIN TIED CENTER	5514.874	9616.967	0.00
506	FD/1IN SQ BAR N37E 0.35' TO FACE OF 6IN FNC POST FLUSH	5766.583	9399.027	4940.66
507	FD/CT 6X6 CNC MON W/ COPPER PIN	5680.327	9292.969	4951.44
508	FD/CT 6X6 CNC MON W/ COPPER PIN	5666.723	9277.198	4953.51

CENTRAL AVE. PM 4.30 "R" LINE CONSTRUCTION CENTERLINE GEOMETRY						
Segment	Type	Length	Radius	Direction	Start Station	End Station
C#1	CURVE	303.13	4200.00	"R" 9+47.03	"R" 12+50.16	
C#2	CURVE	229.96	4370.00	"R" 12+50.16	"R" 14+80.12	
C#3	CURVE	201.95	10334.00	"R" 14+80.12	"R" 16+82.07	
C#4	CURVE	146.36	28134.00	"R" 16+82.07	"R" 18+28.43	
L#1	LINE	234.05	-	N47° 04' 51.52"W	"R" 18+28.43	"R" 20+62.47

CENTRAL AVE. PM 4.30 "D" LINE CONSTRUCTION GEOMETRY						
Segment	Type	Length	Radius	Direction	Start Station	End Station
L#7	LINE	222.55	-	N35° 15' 16.20"E	"R" 8+71.04	"R" 10+93.58
C#5	CURVE	44.23	1013.23	"R" 10+93.58	"R" 11+37.81	
C#6	CURVE	205.38	4175.75	"R" 11+37.81	"R" 13+43.19	
C#7	CURVE	141.96	4345.74	"R" 13+43.19	"R" 14+85.15	
C#8	CURVE	86.57	4345.75	"R" 14+85.15	"R" 15+71.72	
C#9	CURVE	201.38	10309.75	"R" 15+71.72	"R" 17+73.10	
C#10	CURVE	102.47	19700.73	"R" 17+73.10	"R" 18+75.57	
L#5	LINE	120.30	-	N24° 15' 09.94"E	"R" 18+75.57	"R" 19+95.86
L#8	LINE	70.02	-	N13° 35' 50.31"E	"R" 19+95.86	"R" 20+65.88
L#6	LINE	30.01	-	N19° 39' 14.94"E	"R" 20+65.88	"R" 20+95.88
L#4	LINE	12.96	-	N17° 12' 12.24"E	"R" 20+95.88	"R" 21+08.84
L#3	LINE	18.01	-	N18° 54' 57.45"W	"R" 21+08.84	"R" 21+26.84
L#2	LINE	17.84	-	N14° 06' 56.49"E	"R" 21+26.84	"R" 21+44.69



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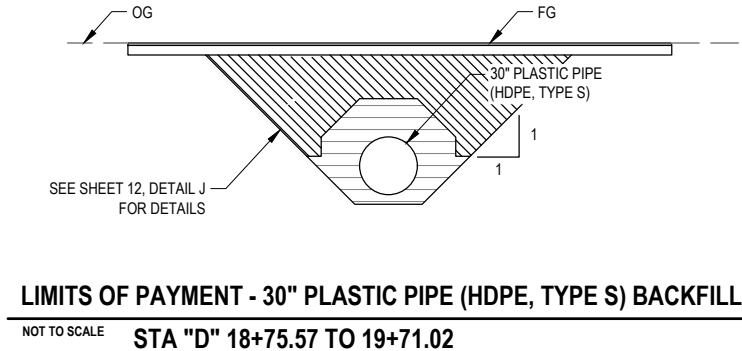
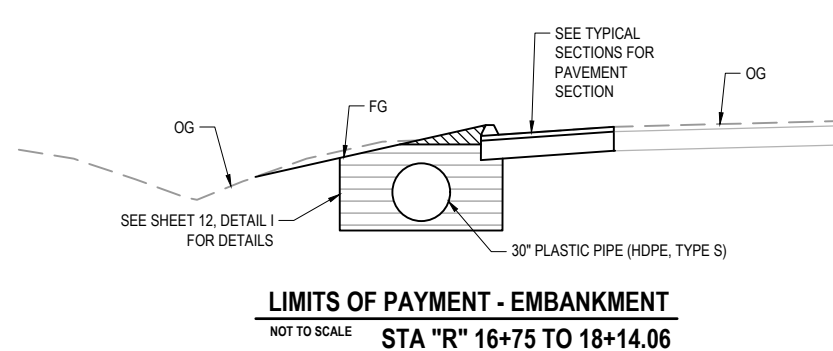
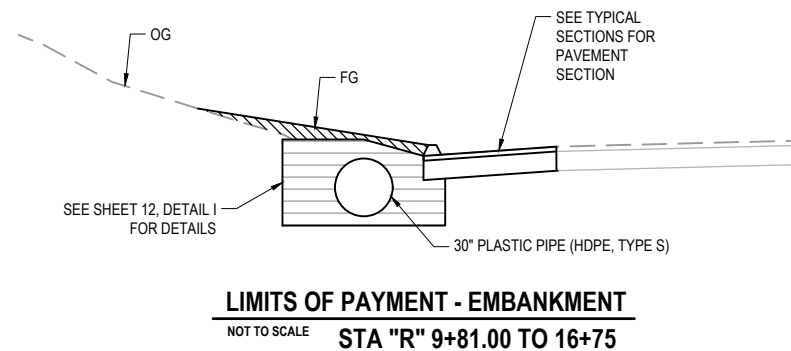
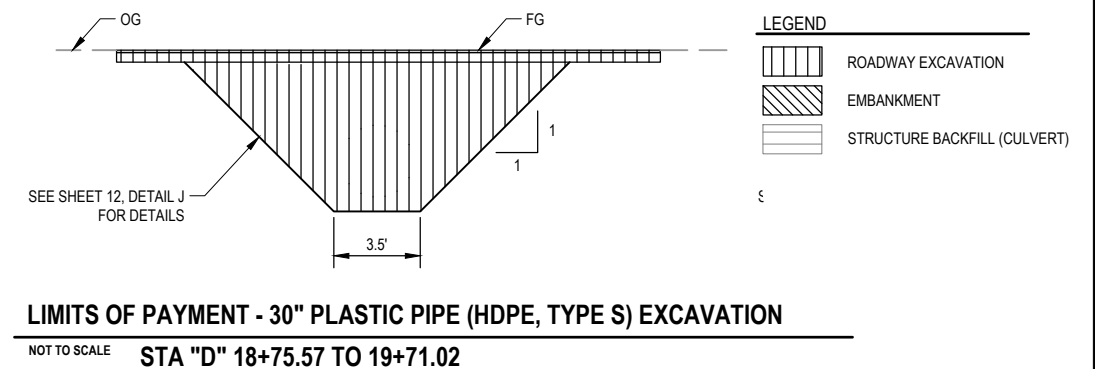
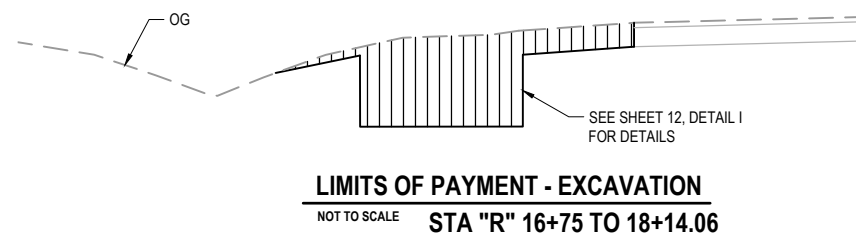
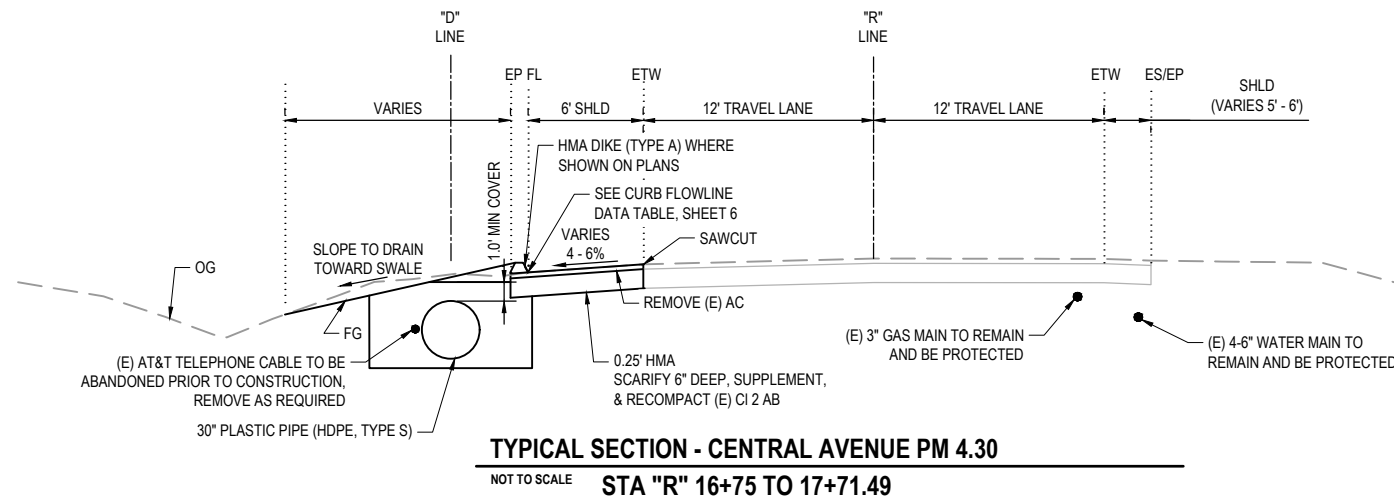
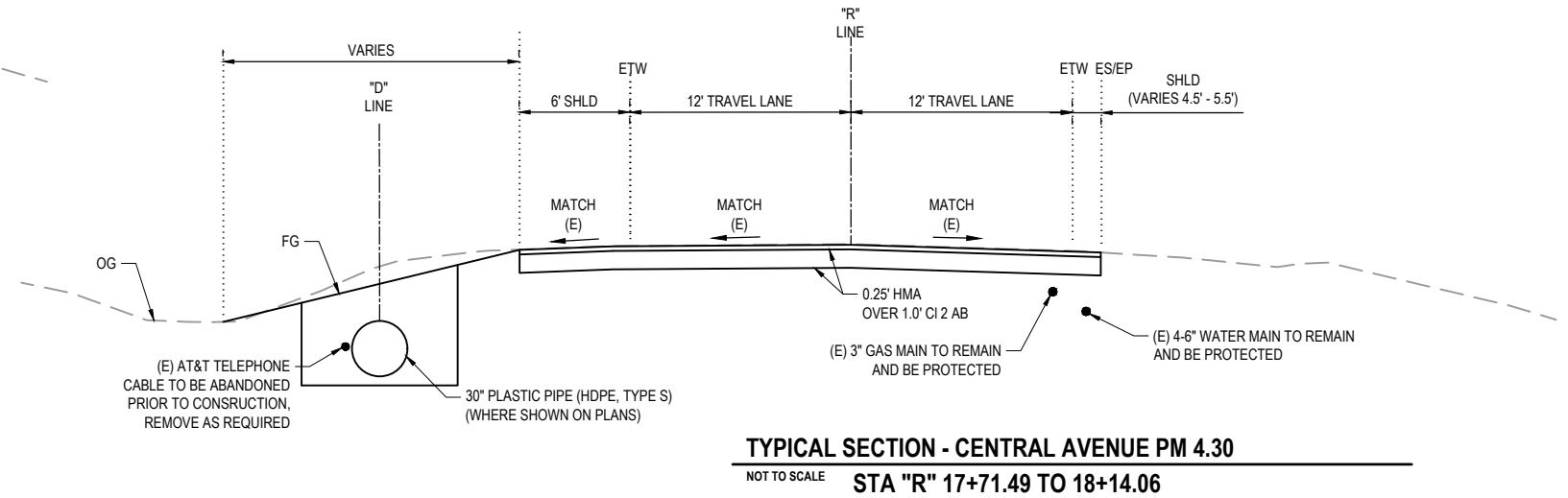
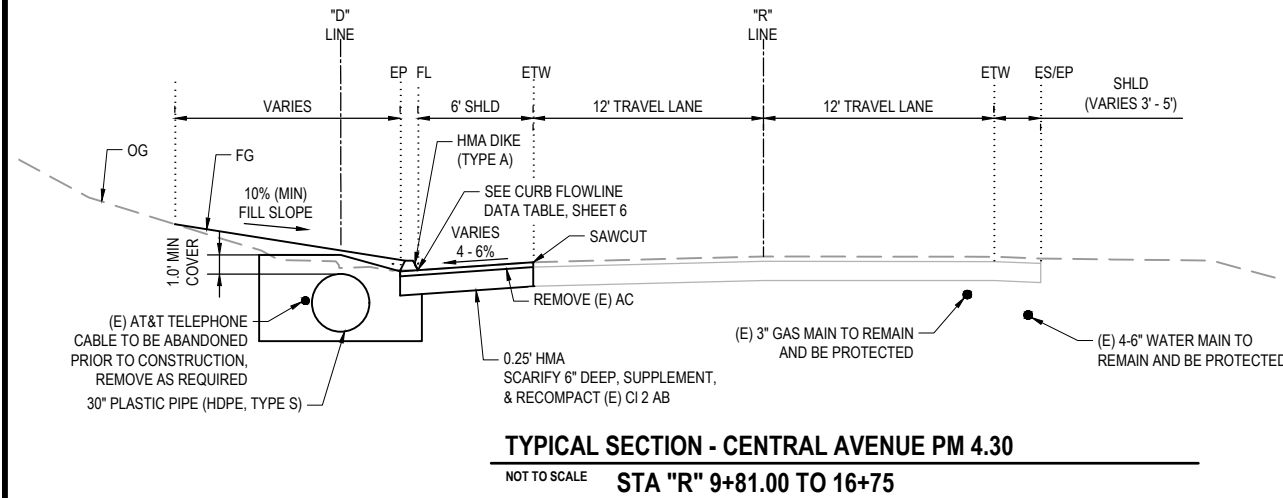
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	DRAWN BY: C. HAYES/A. HOY
	REVIEWED BY: J. WOLF
	APPROVED BY: J. WOLF

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
TYPICAL SECTIONS

SHEET
4
OF
12



SHEET
5
OF
12



NOTE: THIS PLAN IS ACCURATE FOR DRAINAGE AND UTILITIES ONLY



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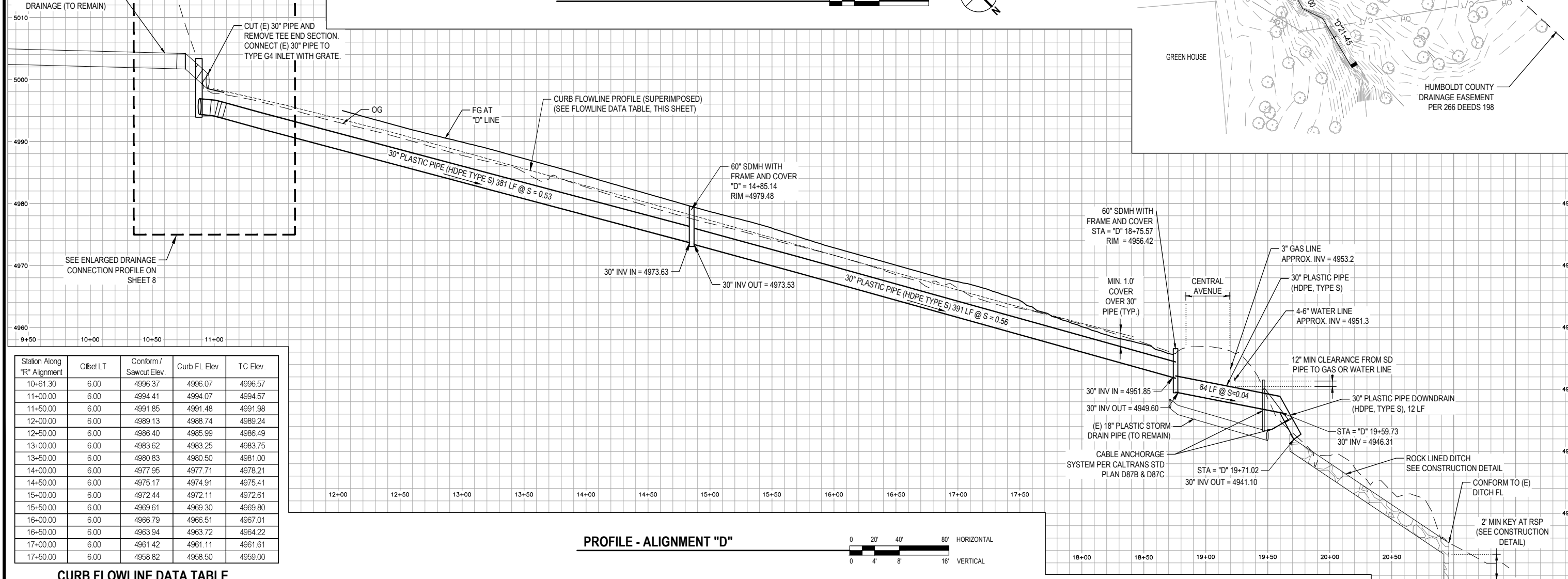
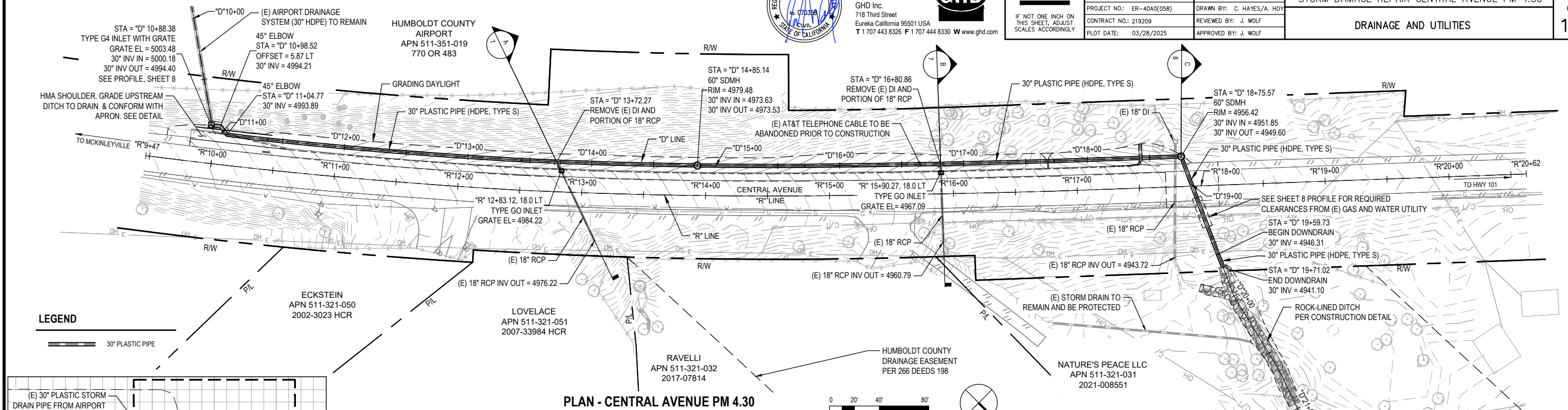
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STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
DRAINAGE AND UTILITIES

SHEET
6
OF
12



Station Along "R" Alignment	Offset LT	Conform / Sawcut Elev.	Curb FL Elev.	TC Elev.
10+61.30	6.00	4996.37	4996.07	4996.57
11+00.00	6.00	4994.41	4994.07	4994.57
11+50.00	6.00	4991.85	4991.48	4991.98
12+00.00	6.00	4989.13	4988.74	4989.24
12+50.00	6.00	4986.40	4985.99	4986.49
13+00.00	6.00	4983.62	4983.25	4983.75
13+50.00	6.00	4980.83	4980.50	4981.00
14+00.00	6.00	4977.96	4977.71	4978.21
14+50.00	6.00	4975.17	4974.91	4975.41
15+00.00	6.00	4972.44	4972.11	4972.61
15+50.00	6.00	4969.61	4969.30	4969.80
16+00.00	6.00	4966.79	4966.51	4967.01
16+50.00	6.00	4963.94	4963.72	4964.22
17+00.00	6.00	4961.42	4961.11	4961.61
17+50.00	6.00	4958.82	4958.50	4959.00

CURB FLOWLINE DATA TABLE

PROFILE - ALIGNMENT "D"

NOTE: CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS PRIOR TO ORDERING



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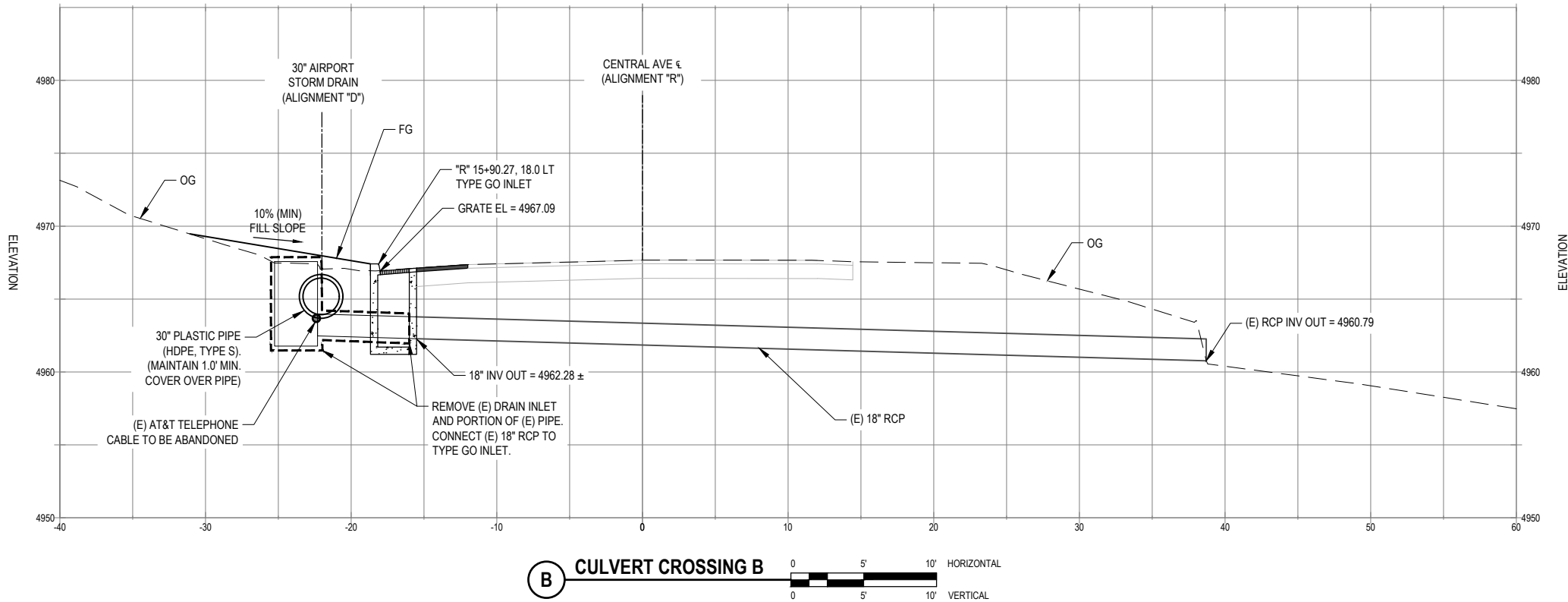
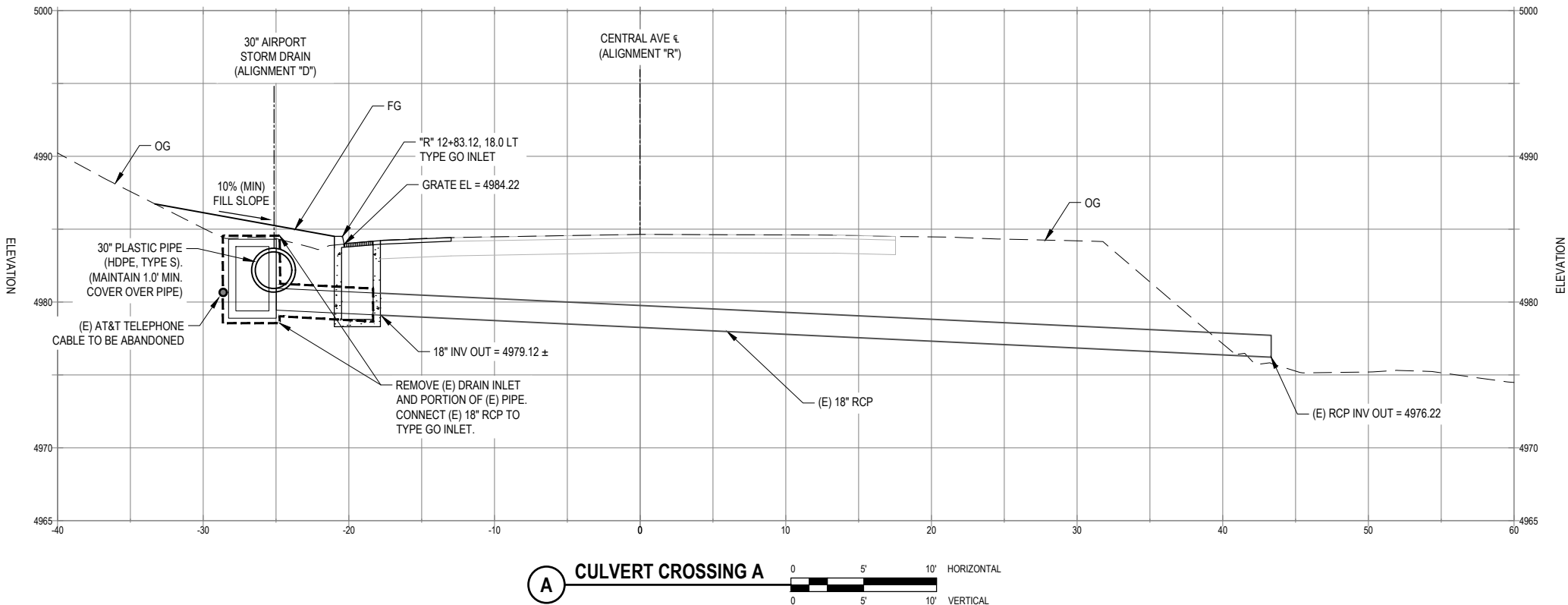


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COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
DRAINAGE PROFILES – 1 OF 2

SHEET
7
OF
12



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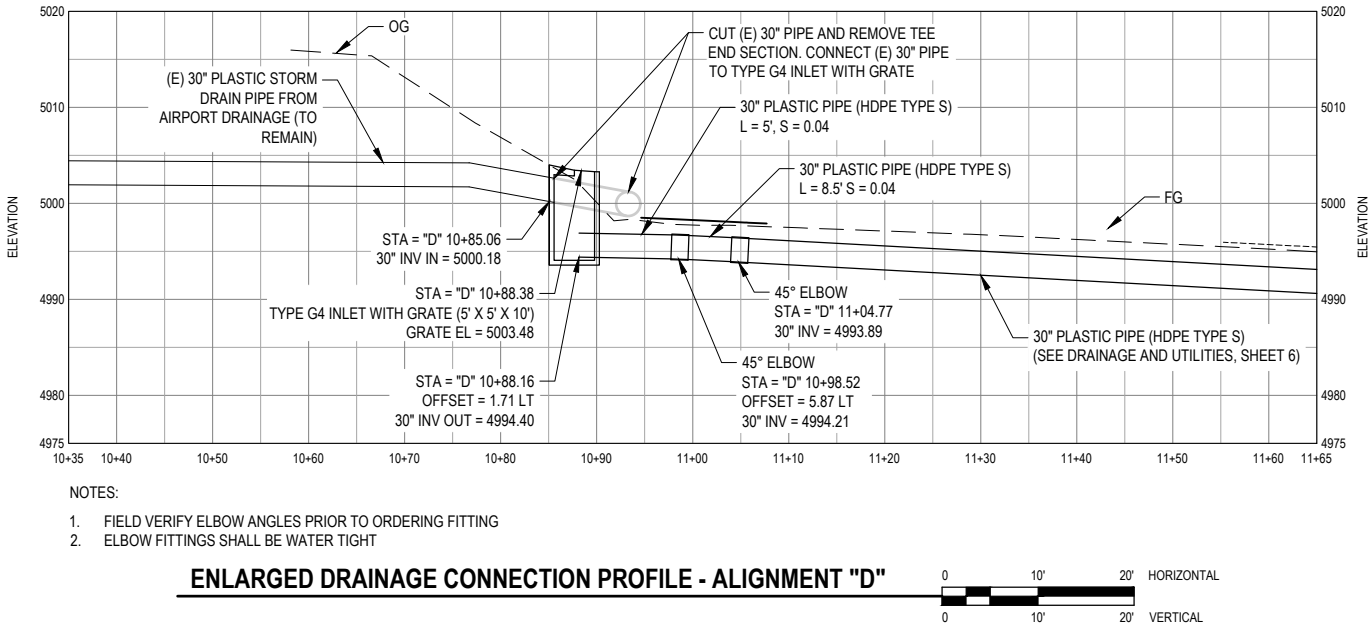
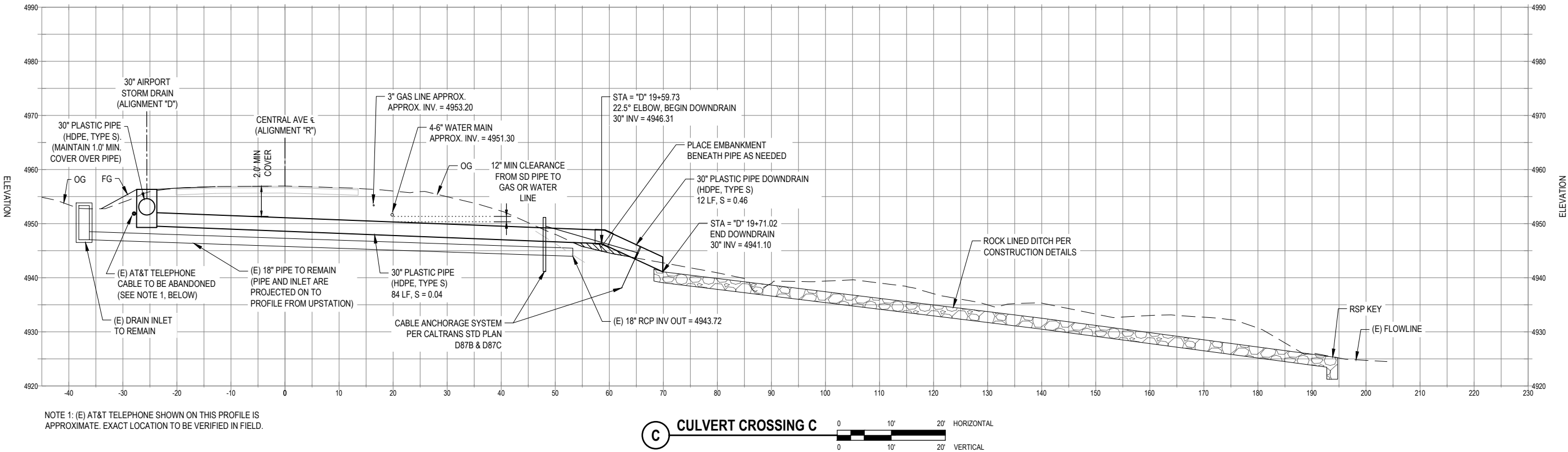
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DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
DRAINAGE PROFILES - 2 OF 2

SHEET
8
OF
12



NOTE: THIS PLAN IS ACCURATE FOR STRIPING ONLY

LEGEND

- 4" CENTERLINE, DETAIL 1
4" EDGELINE, DETAIL 27B



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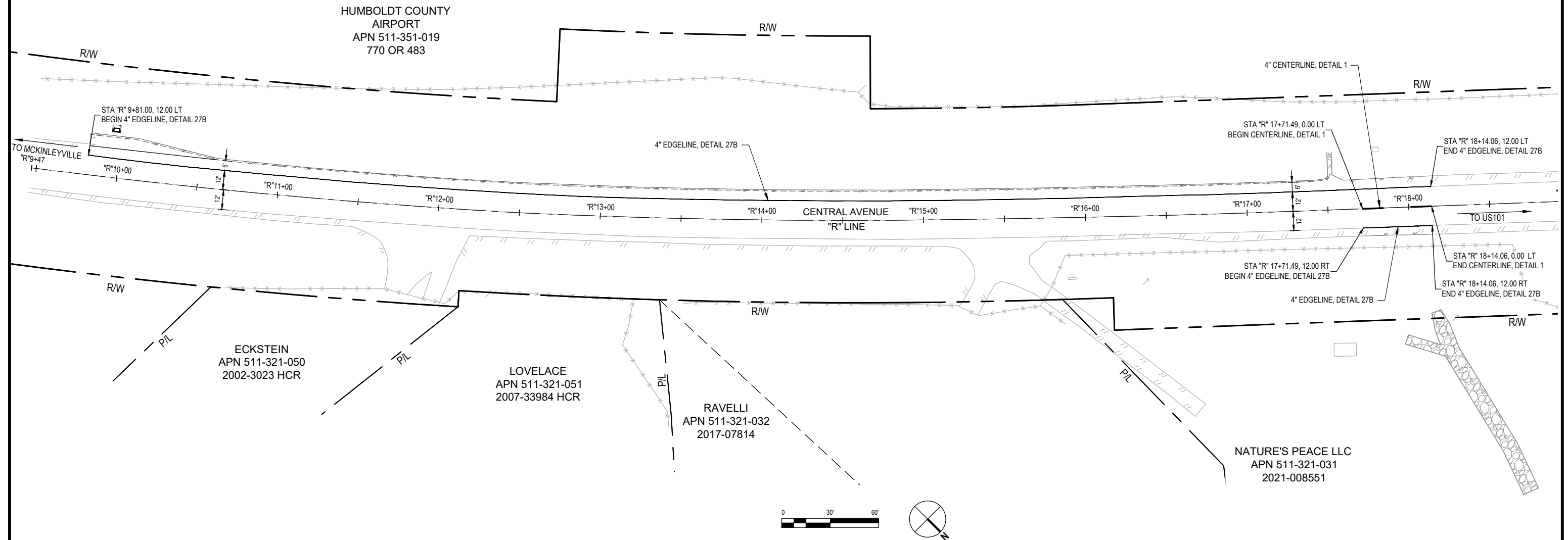
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PLOT DATE: 03/28/2025

DESIGN SECTION
ENGINEERING
DESIGNED BY: C. HAYES/A. HOY
DRAWN BY: C. HAYES/A. HOY
REVIEWED BY: J. WOLF
APPROVED BY: J. WOLF

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
STRIPING PLAN

SHEET
9
OF
12



NOTE: THIS PLAN IS ACCURATE FOR EROSION CONTROL ONLY

LEGEND

- //// DRY SEED AND STRAW
- ===== FIBER ROLLS (TYPE 2 INSTALLATION)



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Eureka California 95501 USA
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BAR IS ONE INCH ON
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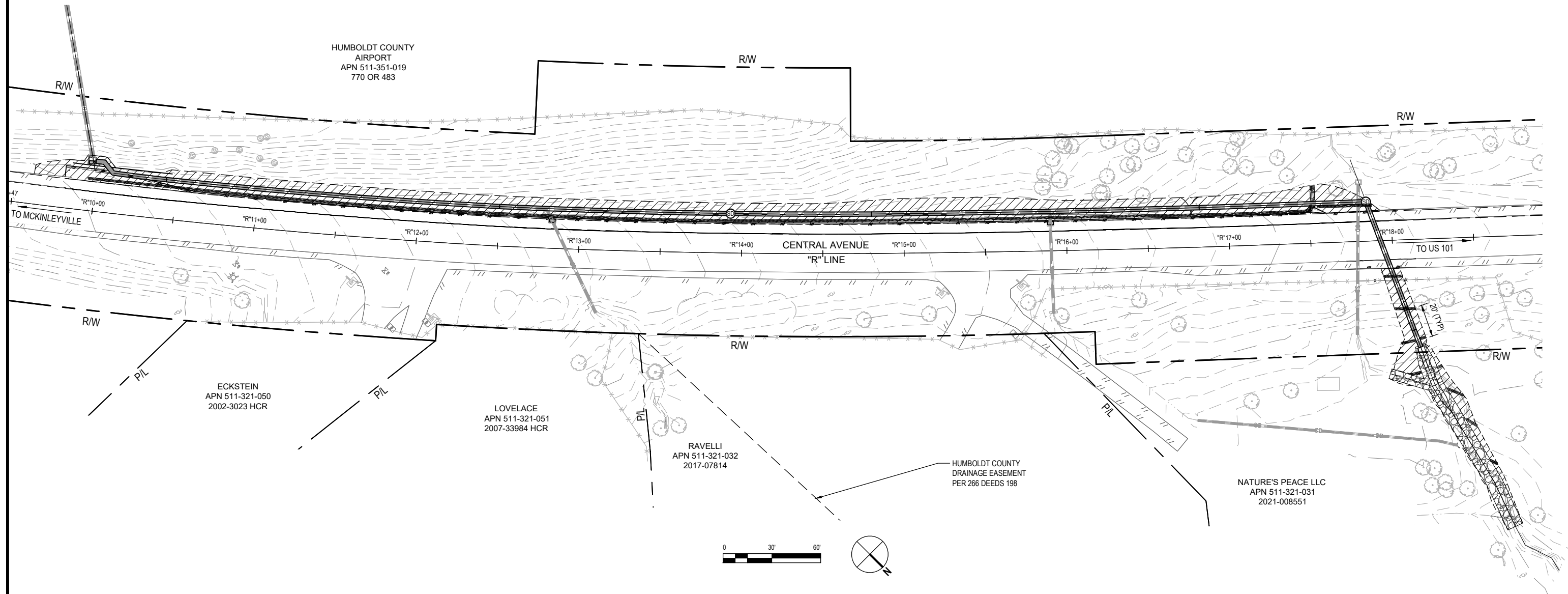
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY

ROAD NAME:	CENTRAL AVENUE
ROAD NO:	A4L800
MILE POST:	4.30
PROJECT NO.:	ER-40A0(058)
CONTRACT NO.:	219209
PLOT DATE:	03/28/2025

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DRAWN BY:	C. HAYES/A. HOY
REVIEWED BY:	J. WOLF
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COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
EROSION CONTROL PLAN

SHEET
10
OF
12





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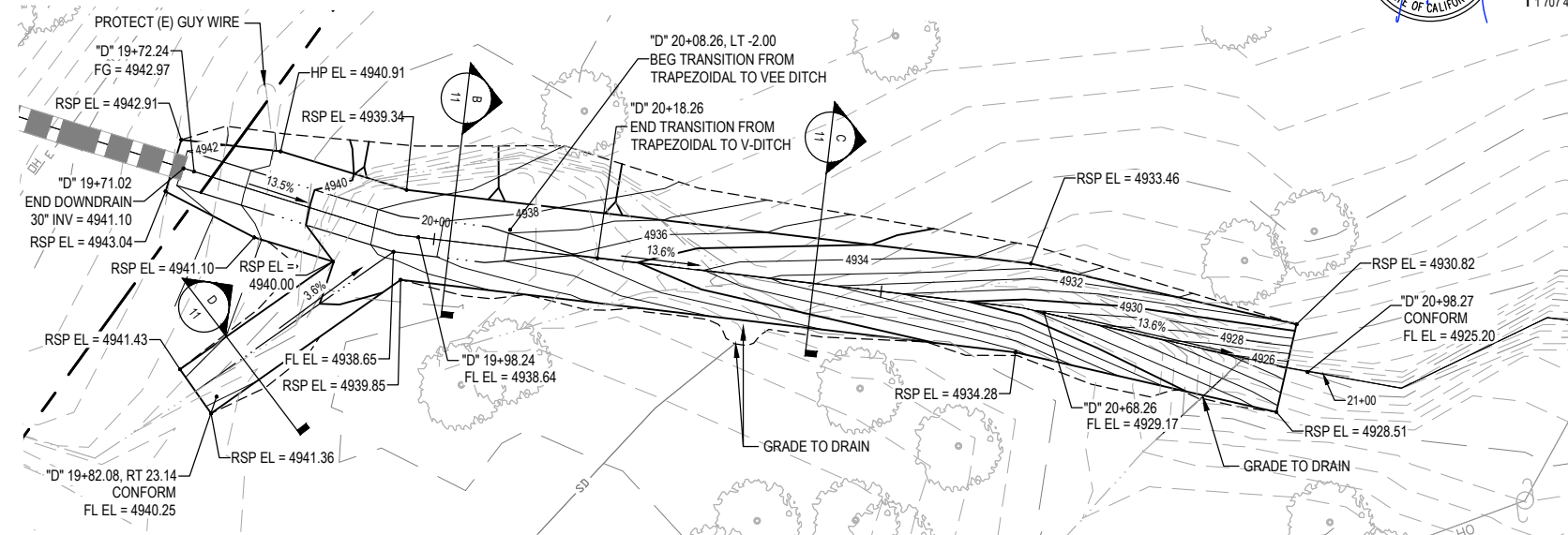
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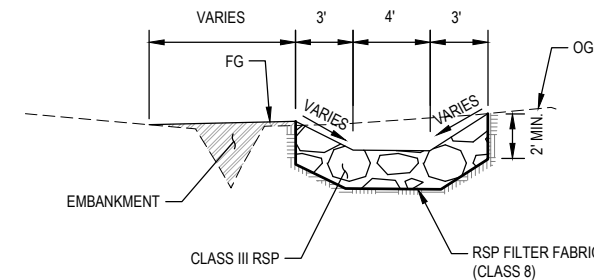
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
CONSTRUCTION DETAILS - 1 OF 2

SHEET
11
OF
12

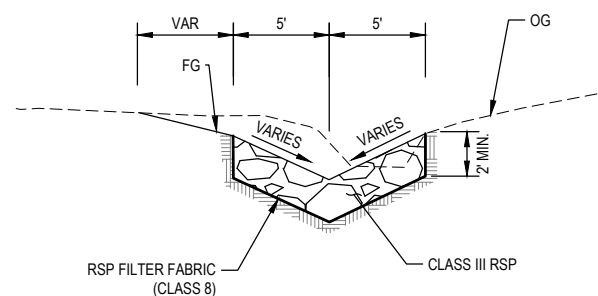
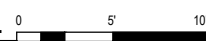


NOTE:
1. EXCAVATION FOR THE CONSTRUCTION OF
THE ROCK LINED DITCH WILL BE PAID AS
DITCH EXCAVATION.

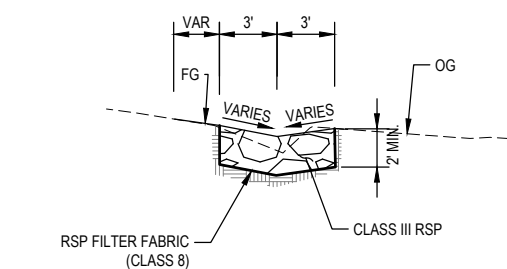
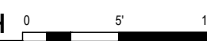
A ROCK LINED DITCH



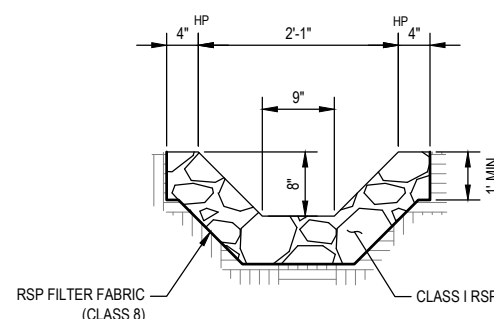
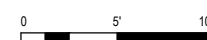
B ROCK LINED DITCH - TRAPEZOIDAL



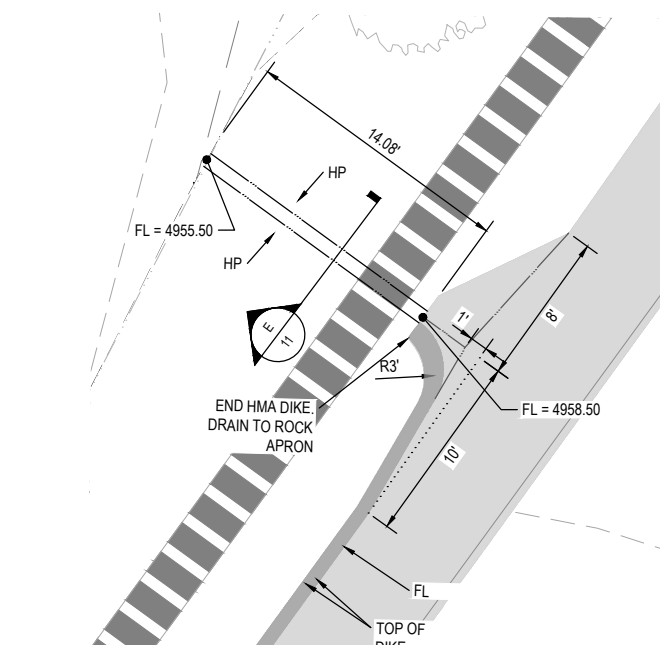
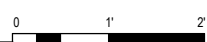
C ROCK LINED DITCH - V-DITCH



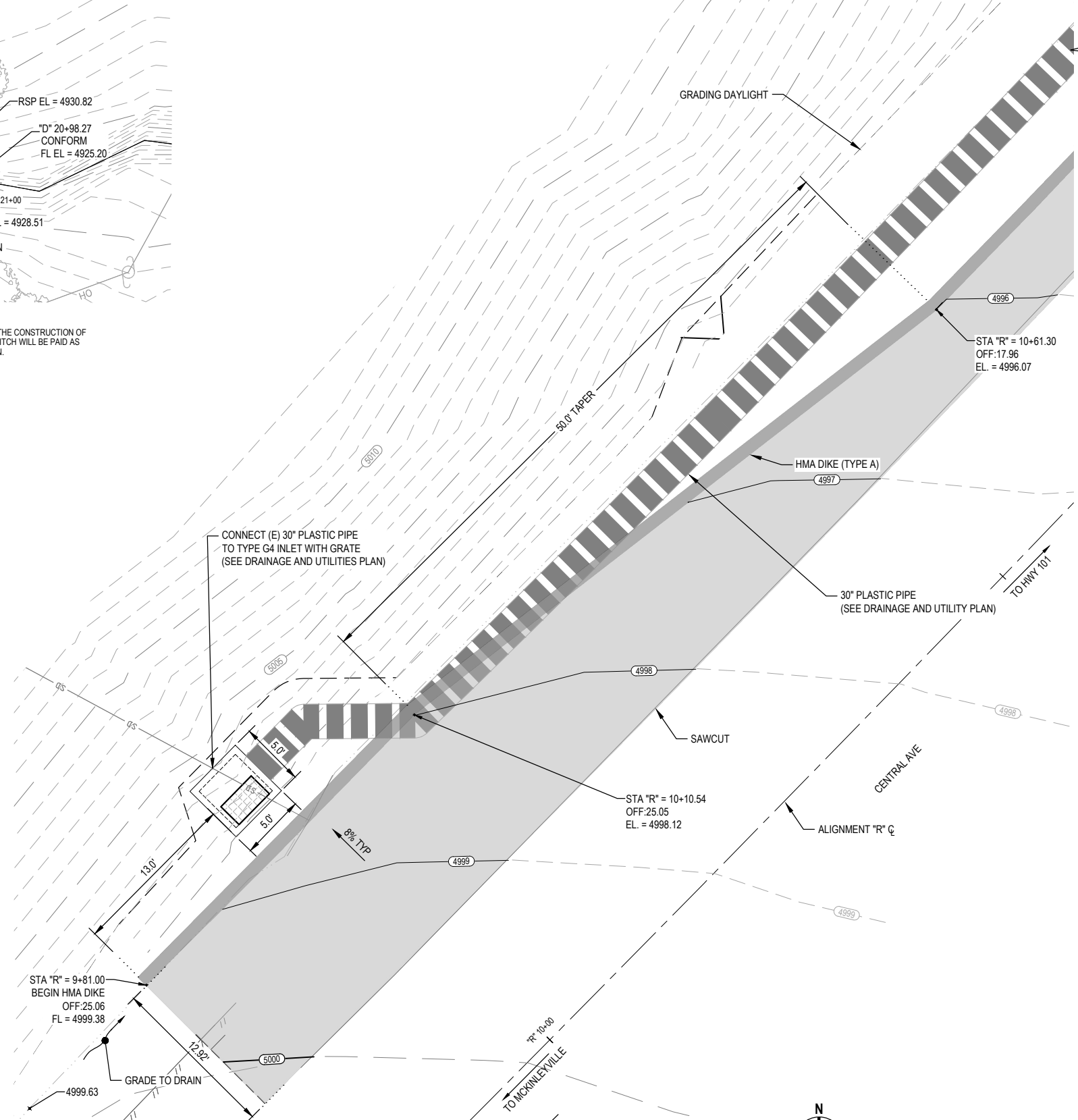
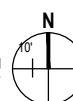
D ROCK LINED DITCH



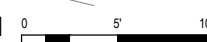
E RSP APRON



F ASPHALT FLARE AND RSP APRON



G UPSTREAM DRAINAGE CONNECTION





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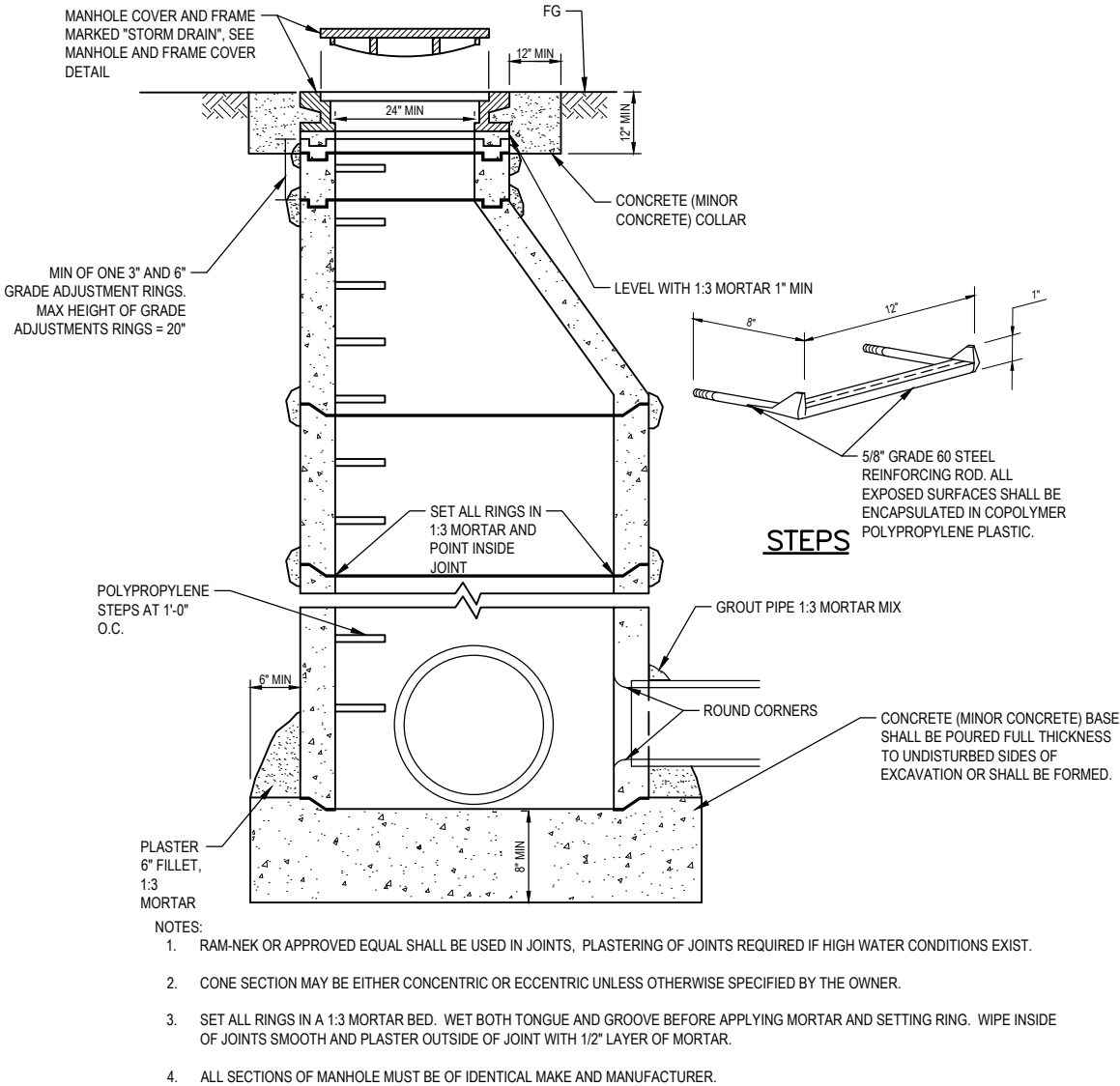
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MILE POST:	4.30
PROJECT NO.:	ER-40A0(058)
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PLOT DATE:	03/28/2025

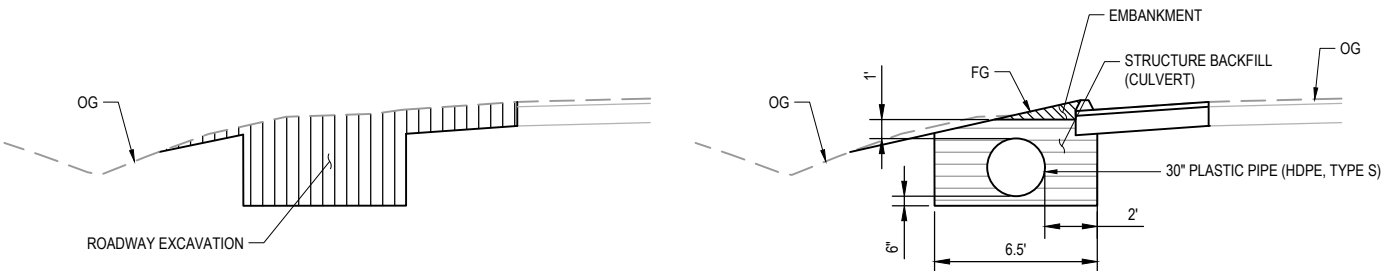
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COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR CENTRAL AVENUE PM 4.30
CONSTRUCTION DETAILS - 2 OF 2

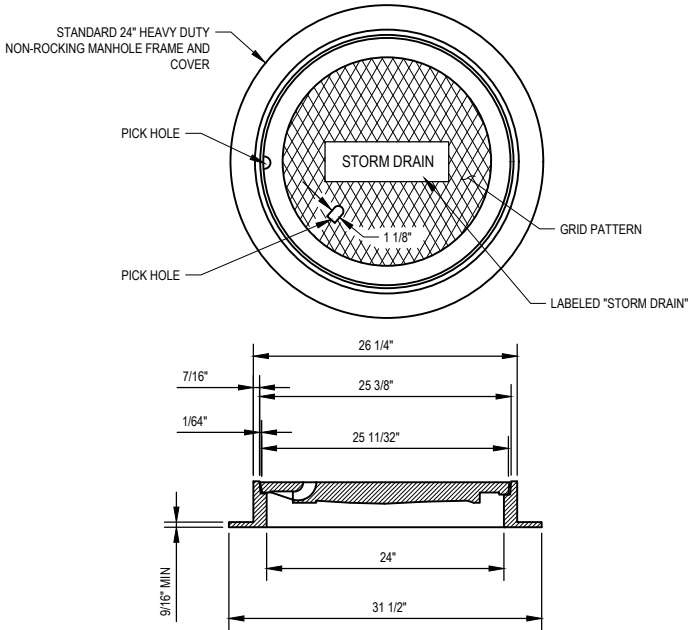
SHEET
12
OF
12



G STORM DRAIN MANHOLE DETAIL
SCALE: NTS



I ALONG ROADWAY CULVERT EXCAVATION AND BACKFILL
NOT TO SCALE



- NOTES:
1. ALL MATERIAL USED IN MANUFACTURING SHALL CONFORM TO ASTM DESIGNATION A-159-G3000, OR OF UNITED STATES GOVERNMENT SPECIFICATIONS QQ1-652B.
 2. MINIMUM WEIGHT COMPONENTS:
COVER - 130 POUNDS
FRAME - 135 POUNDS
 3. MANHOLE FRAME AND COVER SHALL BE ADA COMPLIANT.

H MANHOLE FRAME & COVER
SCALE: NTS



J ROADWAY CROSSING CULVERT EXCAVATION AND BACKFILL
NOT TO SCALE