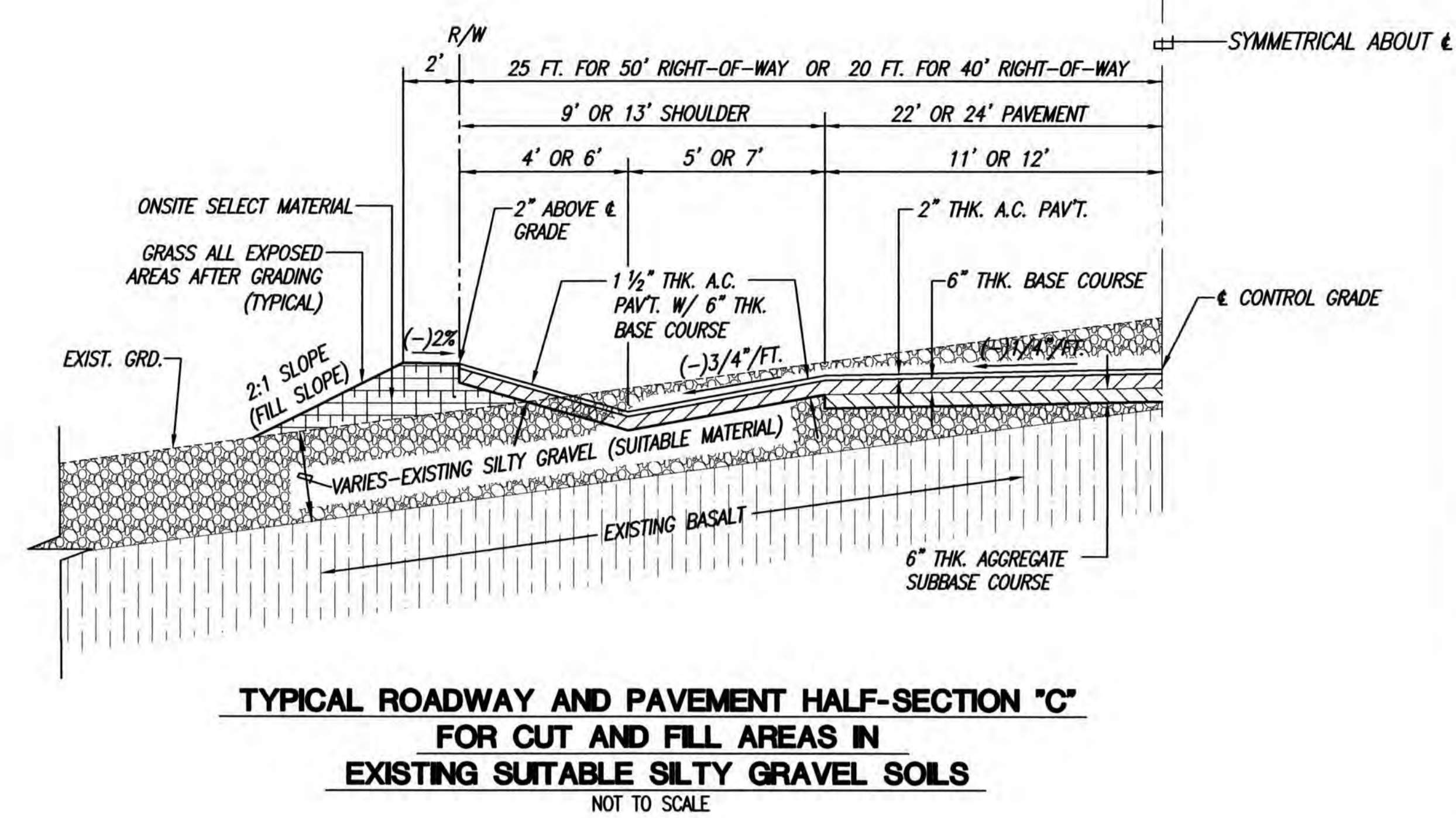
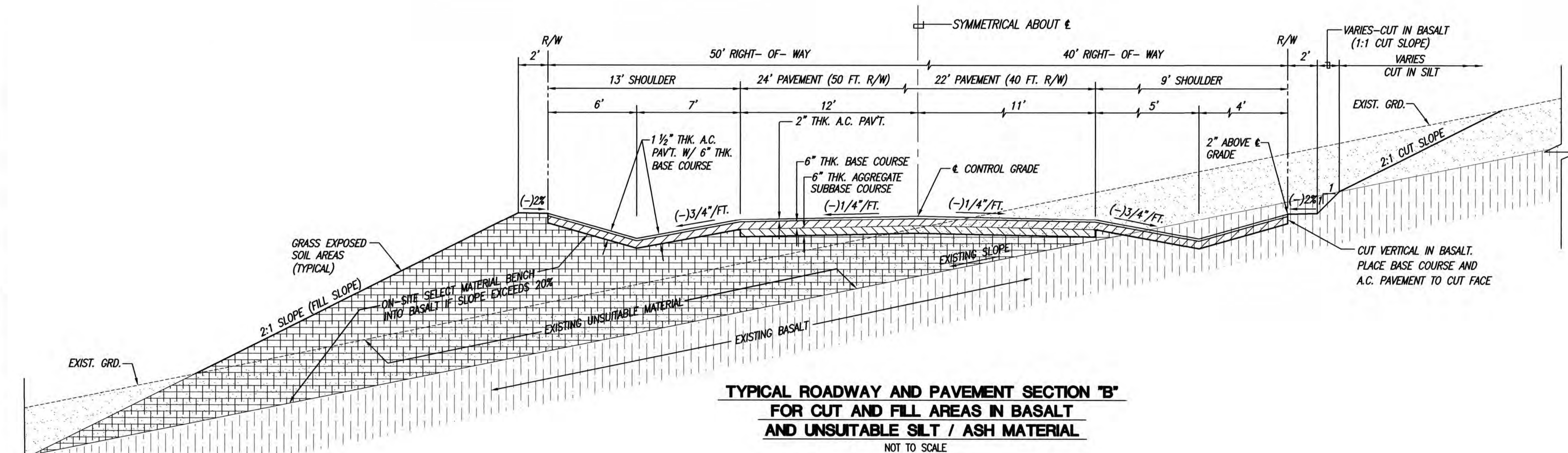


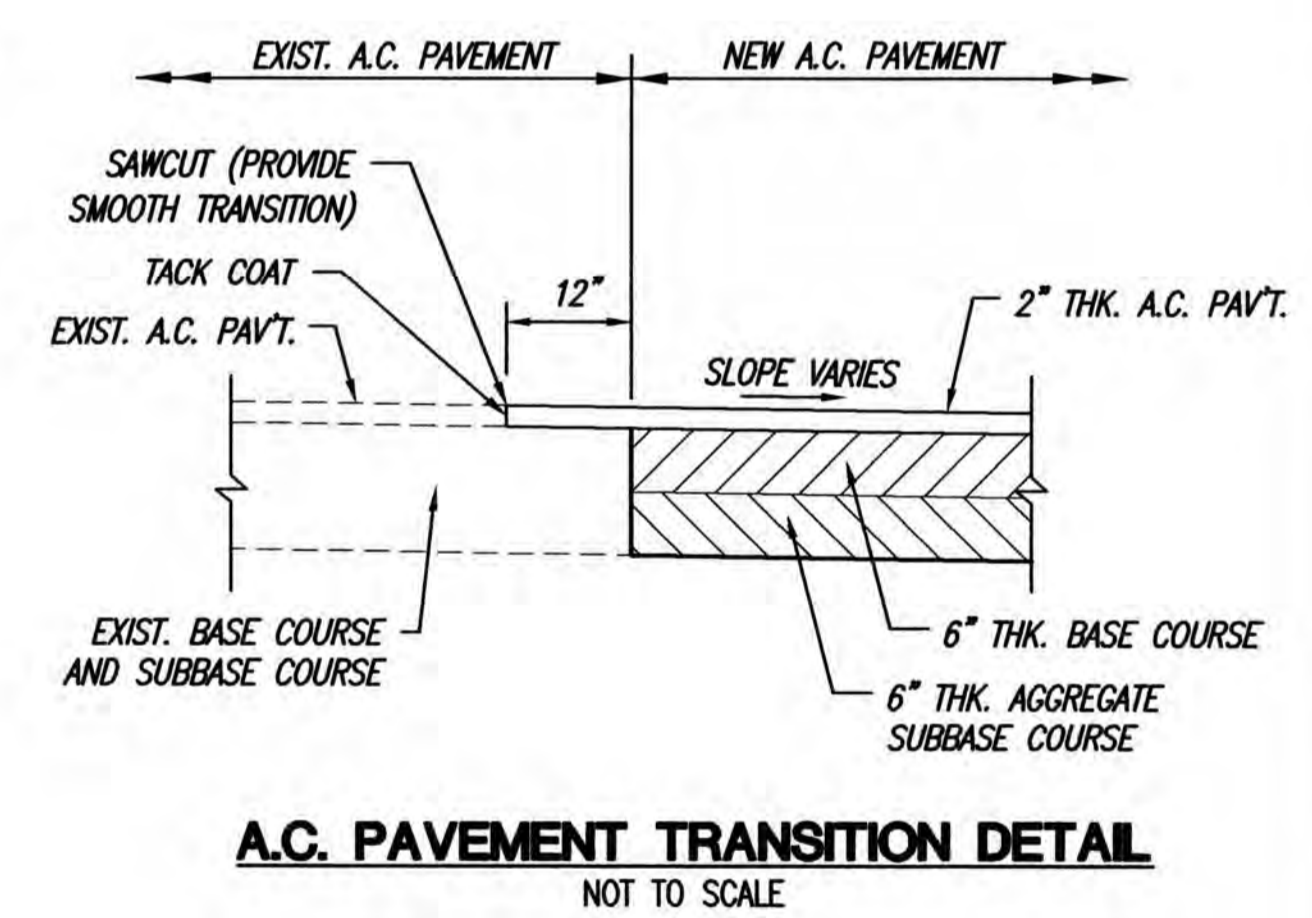
TYPICAL ROADWAY AND PAVEMENT SECTION "A"
FOR CUT AND FILL AREAS
IN EXISTING UNSUITABLE SILT SOILS
 NOT TO SCALE



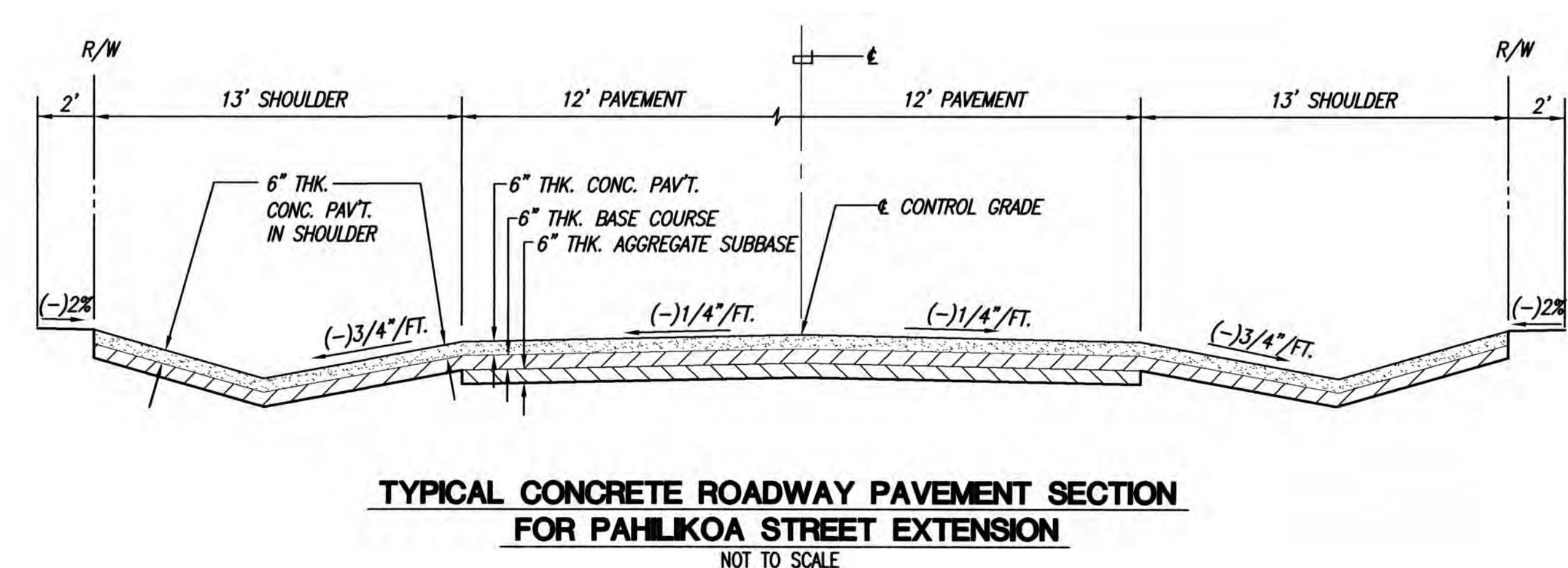
TYPICAL ROADWAY AND PAVEMENT HALF-SECTION "C"
FOR CUT AND FILL AREAS IN
EXISTING SUITABLE SILTY GRAVEL SOILS
 NOT TO SCALE



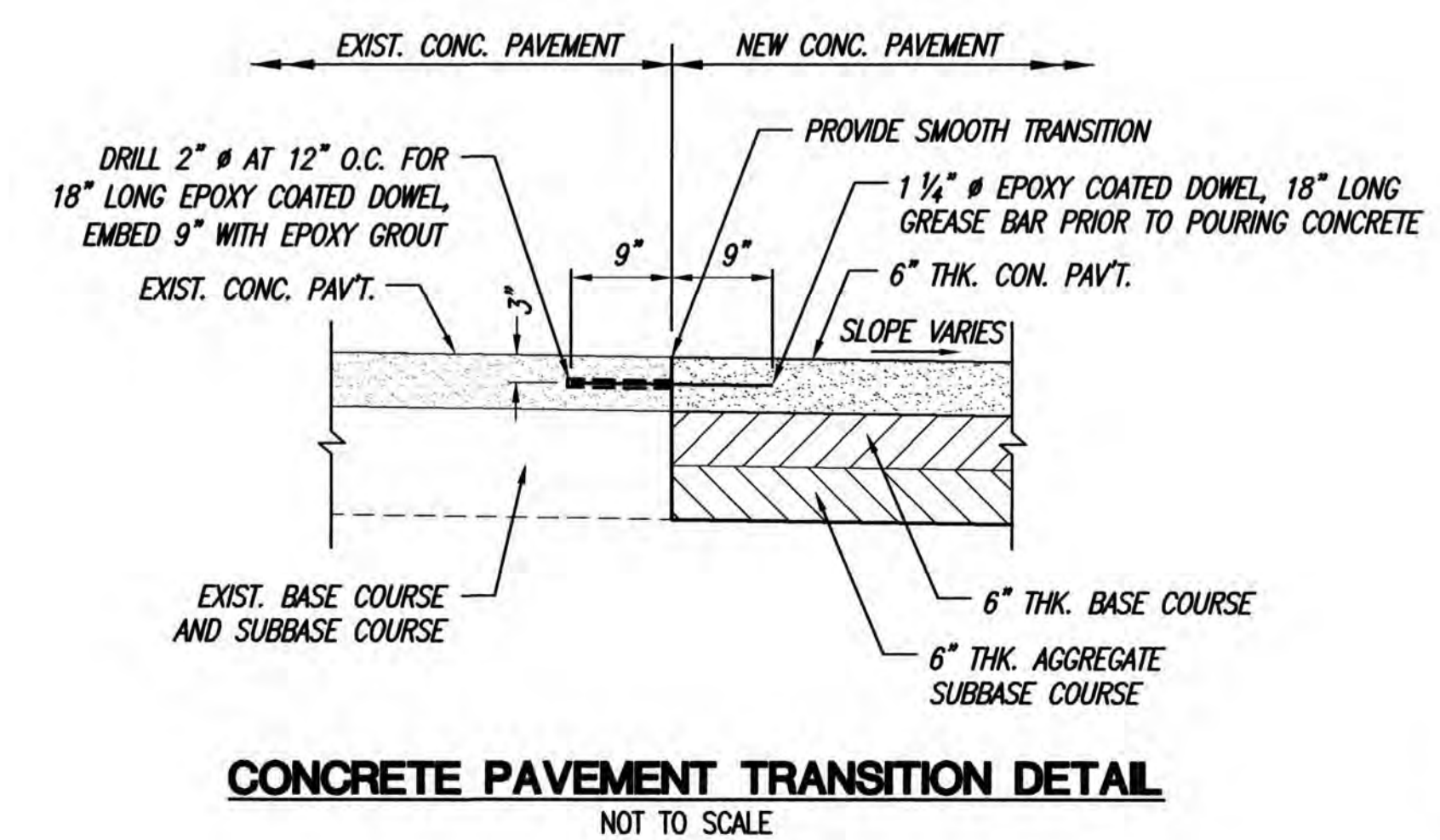
TYPICAL ROADWAY AND PAVEMENT SECTION "B"
FOR CUT AND FILL AREAS IN BASALT
AND UNSUITABLE SILT / ASH MATERIAL
 NOT TO SCALE



A.C. PAVEMENT TRANSITION DETAIL
 NOT TO SCALE



TYPICAL CONCRETE ROADWAY PAVEMENT SECTION
FOR PAHUKOEA STREET EXTENSION
 NOT TO SCALE



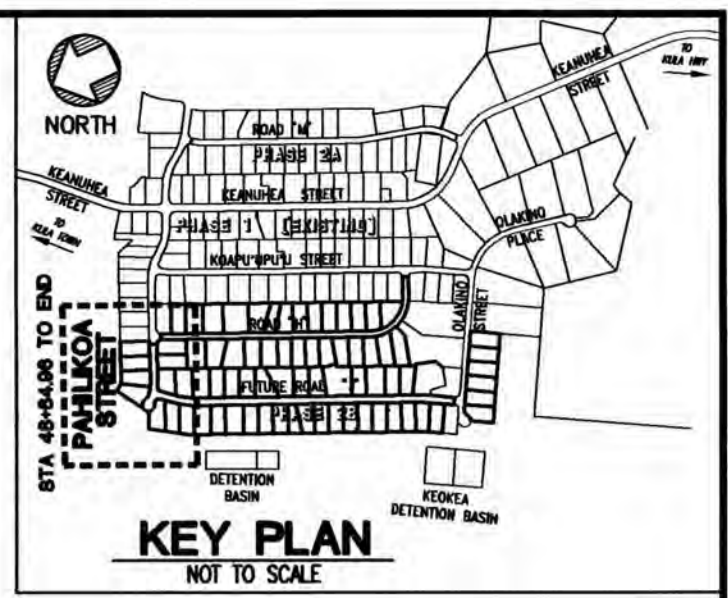
CONCRETE PAVEMENT TRANSITION DETAIL
 NOT TO SCALE

BASE BID

ANSON M. MURATAKA
 LICENSED PROFESSIONAL ENGINEER
 No. 6975-C
 HAWAII, U.S.A.

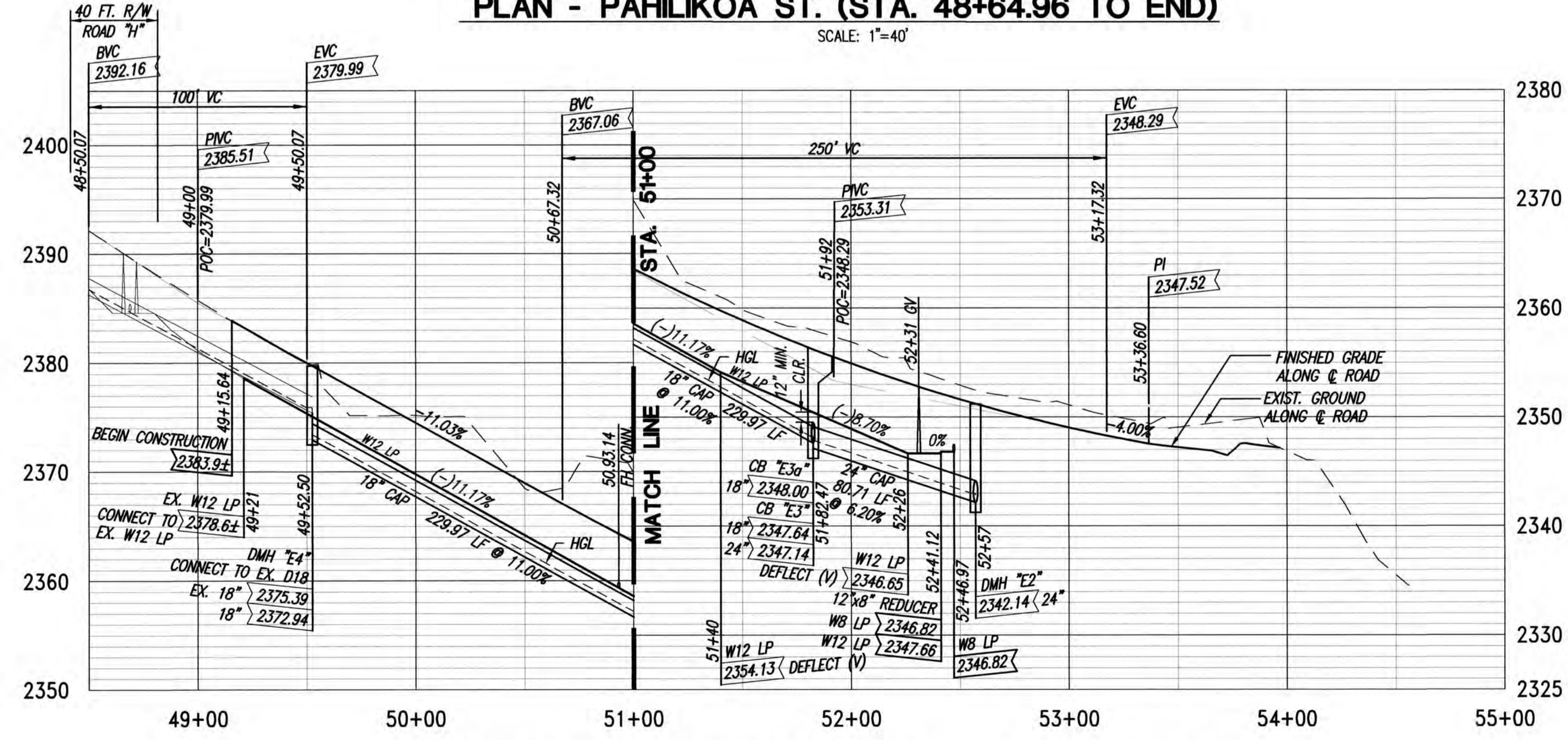
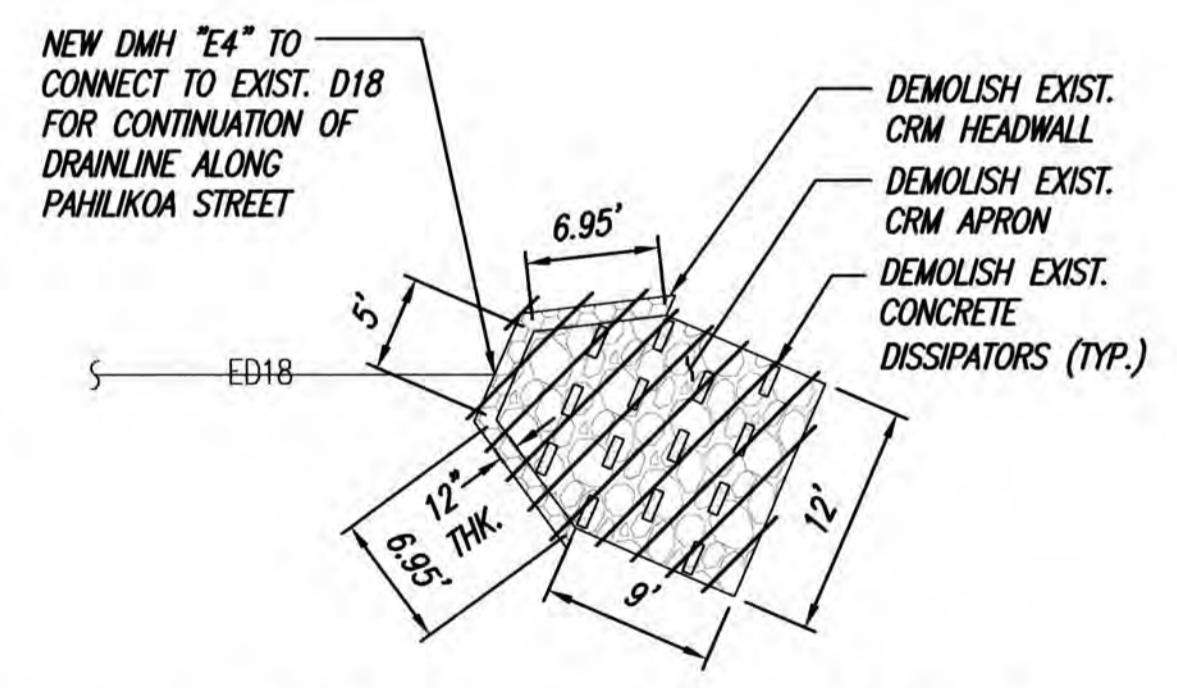
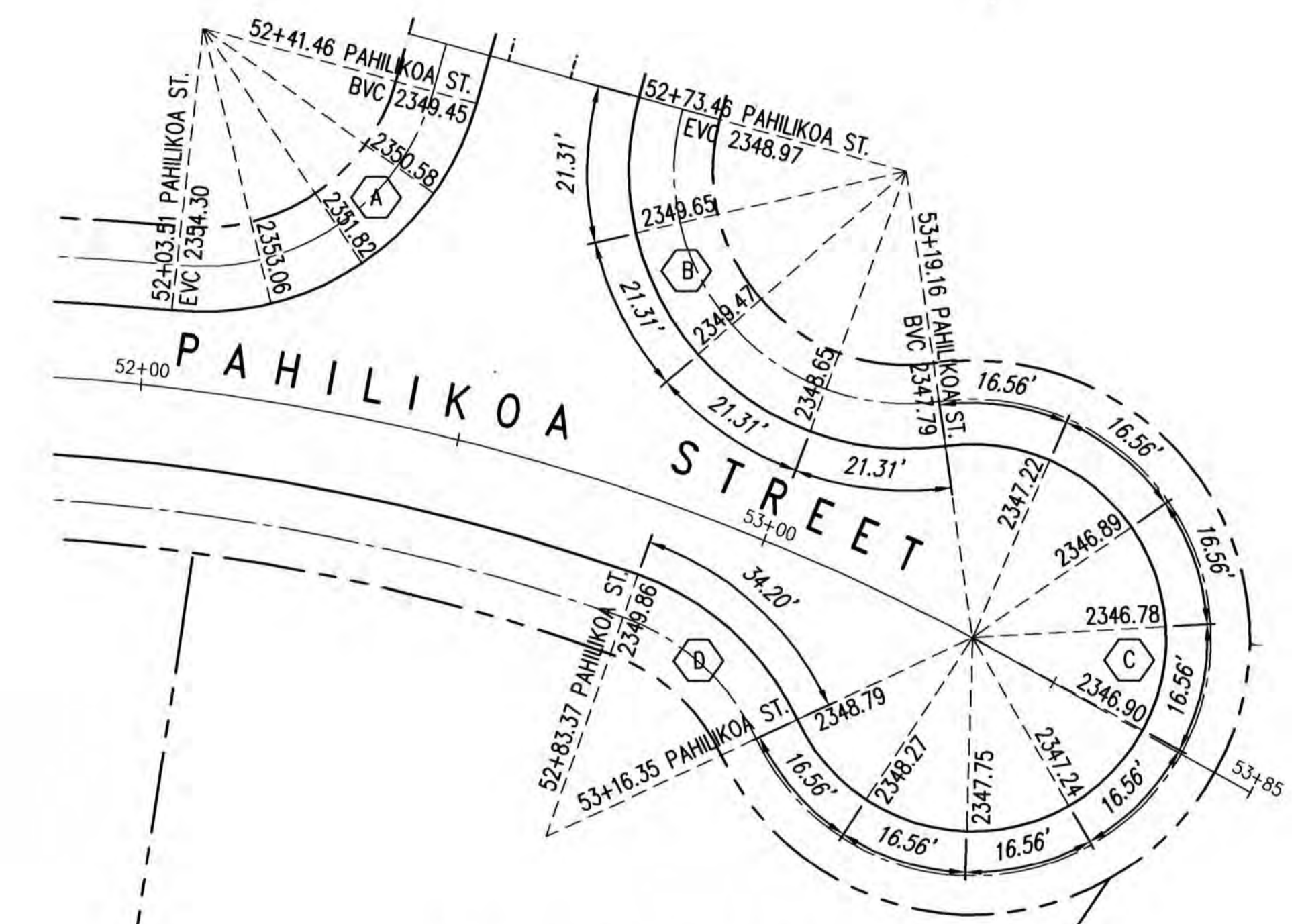
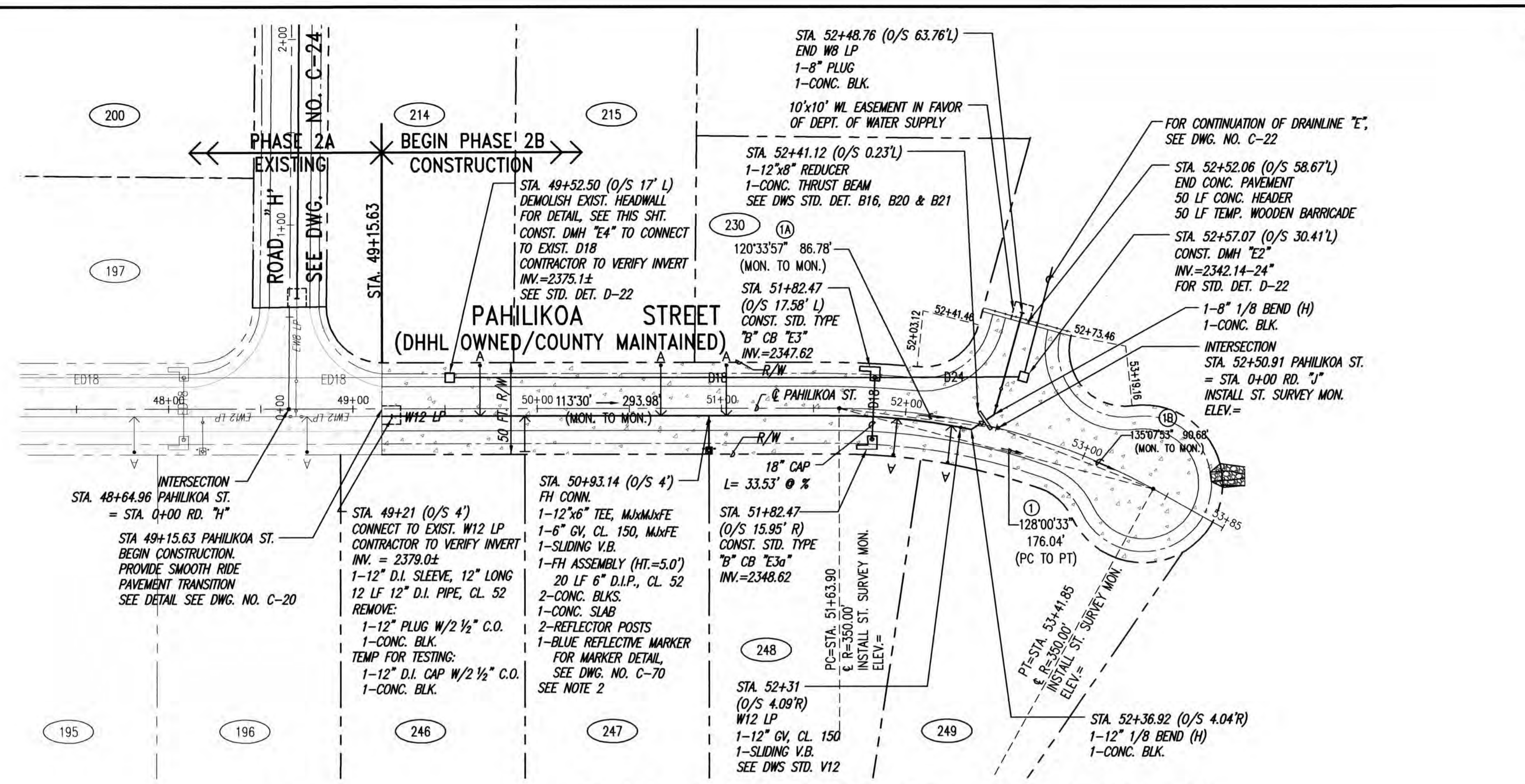
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1286 Queen Emma Street, Third Floor Honolulu, Hawaii			
KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B KEOKEA & WAIOHULI, MAKAWAO, MAUI OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023			
TYPICAL ROAD SECTIONS - BASE BID			
DRAWN BY: HW1	ENGINEER: HW1, FJC	CHECKED BY: AMM	



CURVE	(1)	(1A)	(1B)
△	29°07'49"	14°14'41"	14°53'13"
△/2	14°33'54.7"	7°07'20.3"	7°26'36.4"
R	350.00'	350.00'	350.00'
T	90.94'	43.73'	45.72'
C	176.04'	86.78'	90.68'
L	177.95'	87.01'	90.93'

CURVE	(A)	(B)	(C)	(D)	CURVE
△	80° 41' 39"	113° 33' 18"	253° 04' 26"	45° 34' 30"	△
△/2	40° 20' 50"	56° 46' 39"	126° 32' 13"	22° 47' 15"	△/2
R	44.00'	43.00'	30.00'	43.00'	R
T	37.38'	65.65'	40.49'	18.06'	T
C	56.97'	71.94'	48.21'	33.31'	C
L	61.97'	85.22'	132.51'	34.20'	L

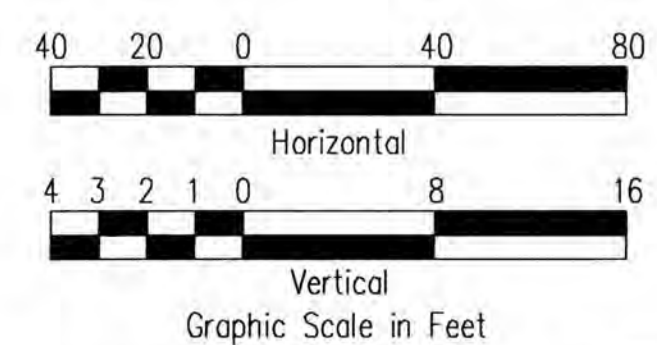


LEGEND	
	PROPERTY LINE
	LOT NUMBER
	GUARD RAIL
	EXISTING DRAINLINE
	NEW DRAINLINE
	EXISTING WATERLINE
	NEW WATERLINE (LOW PRESSURE)
	TYPE "A" SERVICE LATERAL
	TYPE "A-1" SERVICE LATERAL
	CORRUGATED ALUMINUM PIPE
	VALVE BOX
	SINGLE RADIUS ARCH
	BORING TEST PIT LOCATION

PROFILE - PAHILIKOA ST. (STA. 48+64.96 TO END)
 SCALES: HORIZ. 1"=40'
 VERT. 1"= 8'

- NOTES:**
- FOR TYPE "A" AND "A-1" WATER SERVICE LATERAL, SEE DWG. NO. C-76 AND DWS STD. DET. L24, L25 & L26 FOR TYPE "A" AND L24, L27 & L28 FOR TYPE "A-1".
 - FOR FH CONN. SEE DWS STD. DET. FH6, FH8 & FH9.
 - MAINTAIN 3 FT MINIMUM CLEARANCE BETWEEN WATER SERVICE LATERAL TAPS INTO NEW WATER MAIN.
 - WATER EASEMENTS REQUIRED FOR WATER METER BOXES WITHIN THE LOTS.
 - DWS TO INSTALL NEW 3/8" METER IN NEW METER BOXES WHEN APPLICABLE.
 - FINISH GRADES SHOWN ARE ALONG THE CENTER OF ROAD PAVEMENT.

BASE BID



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/28

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

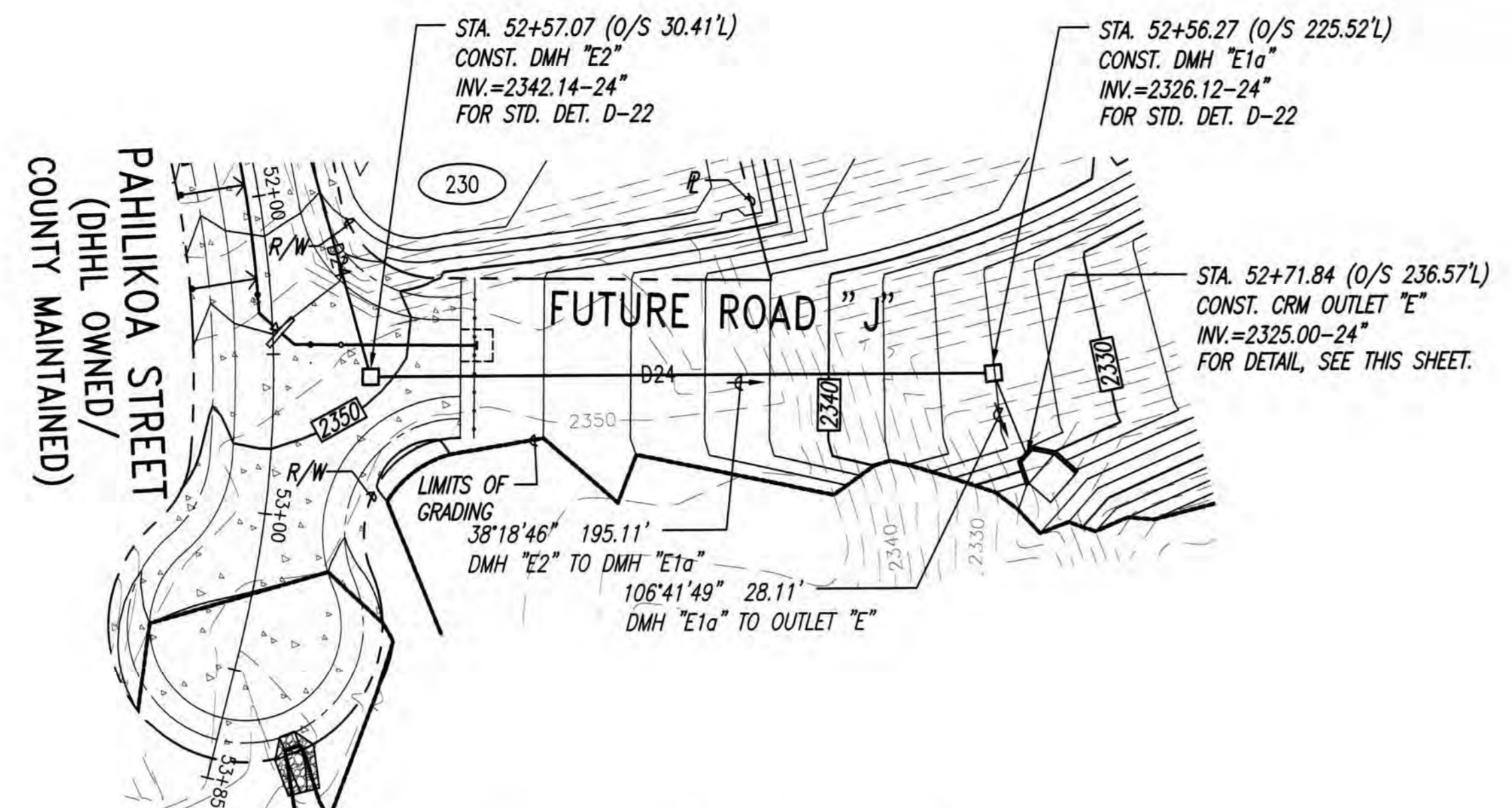
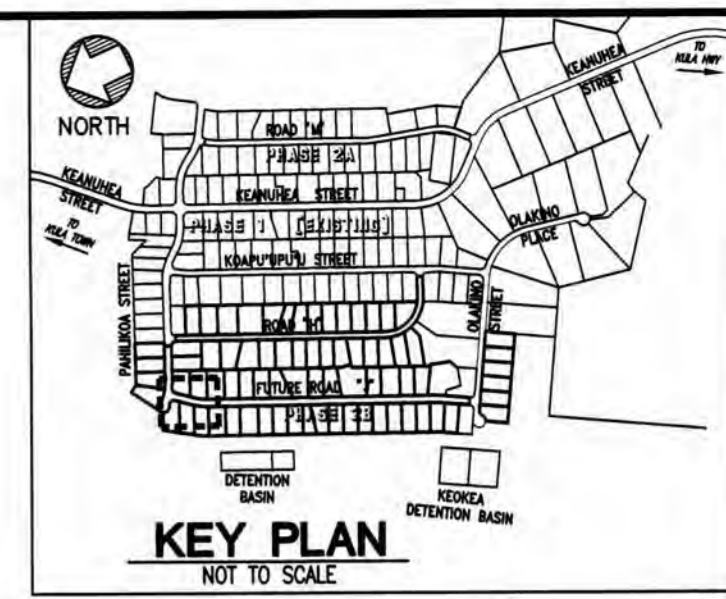
Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1285 Queen Emma Street, Third Floor, Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
 KEOKEA & WAIOHULI, MAKAWAO, MAUI
 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
 TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

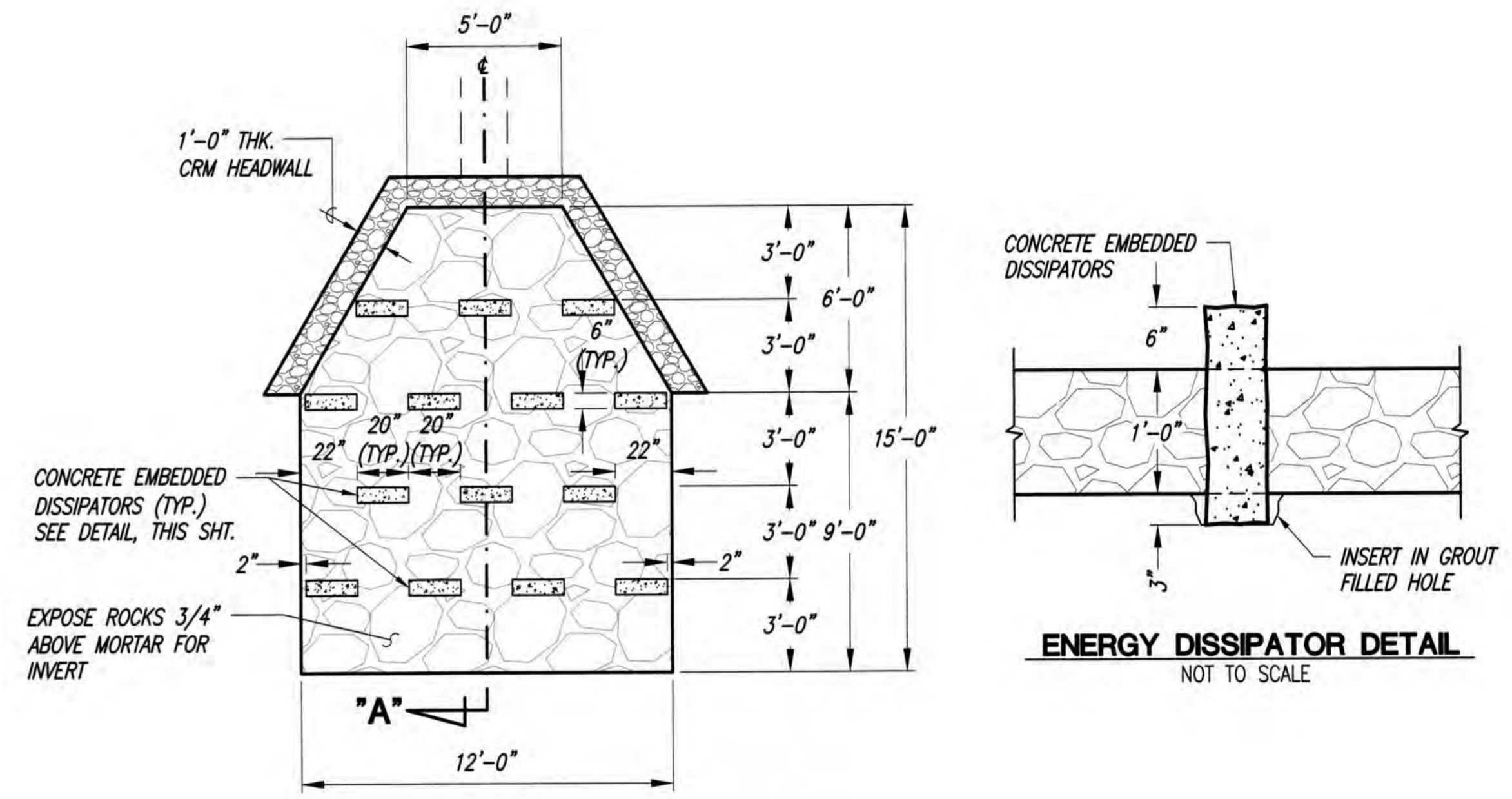
PLAN AND PROFILE PAHILIKOA ST. STA. 50+00 TO END - BASE BID

DRAWN BY: HWH | ENGINEER: HWH, FJC | CHECKED BY: AMM

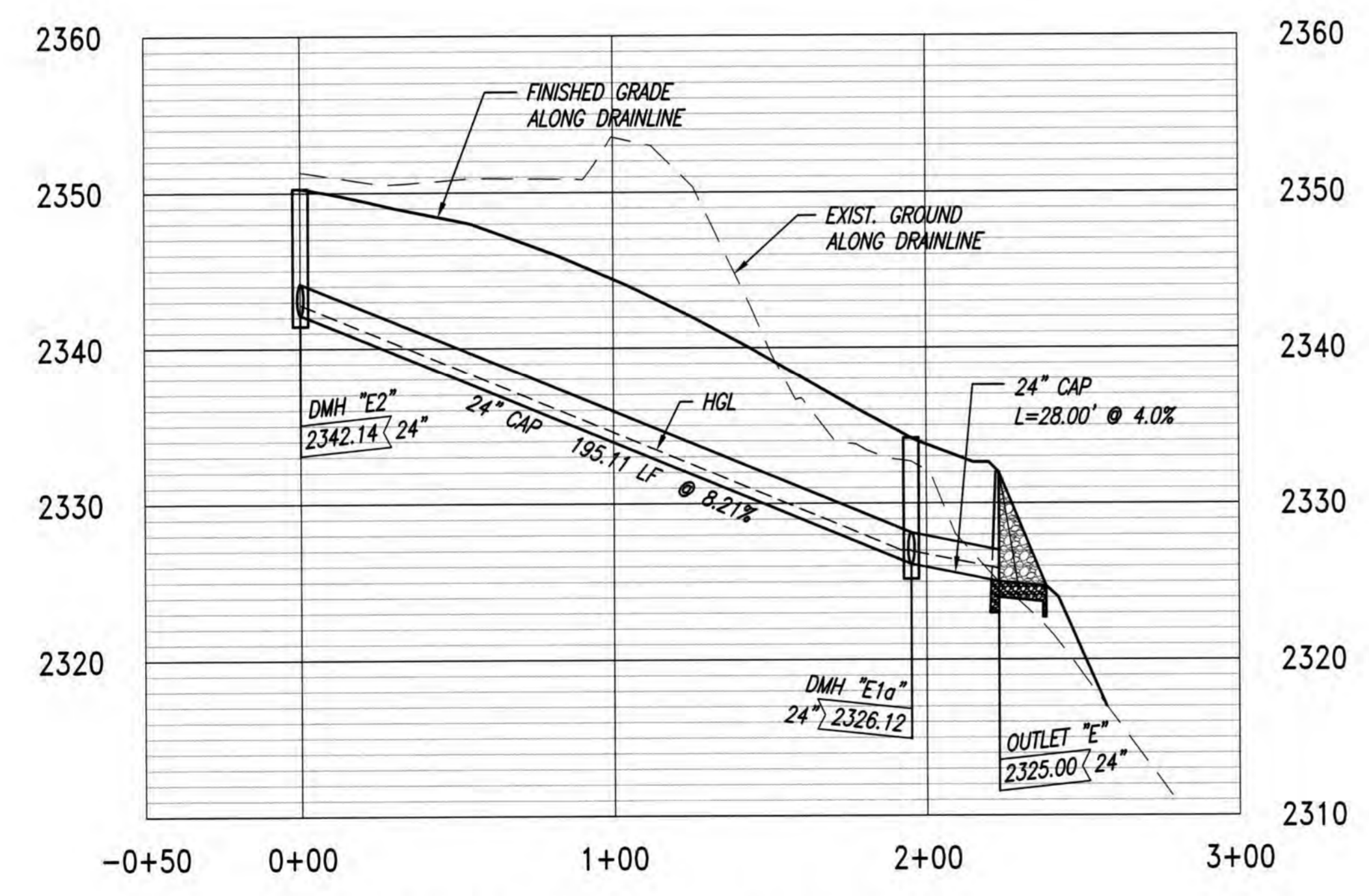
FILE	POCKET	FOLDER	NO.



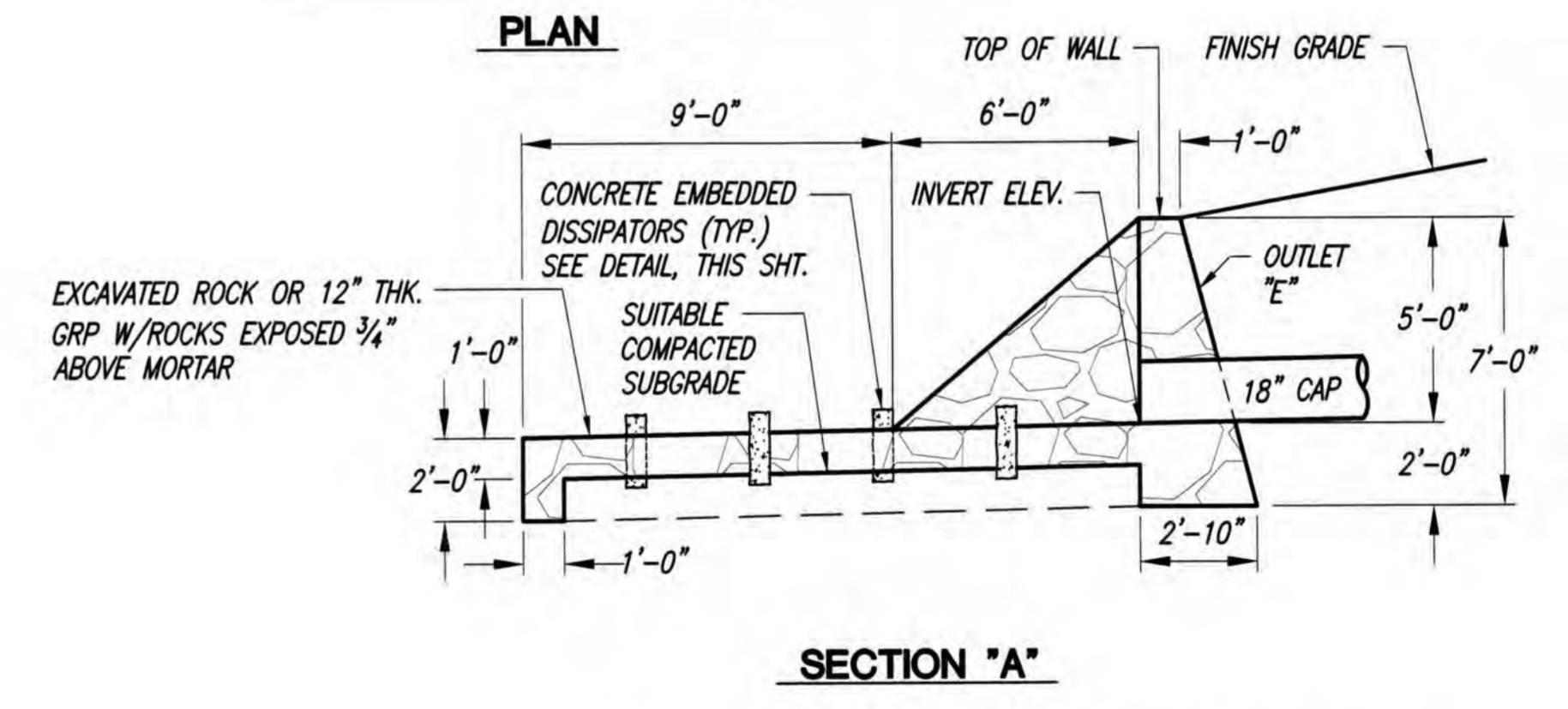
PLAN - DRAINLINE "E"
SCALE: 1"=40'



ENERGY DISSIPATOR DETAIL
NOT TO SCALE



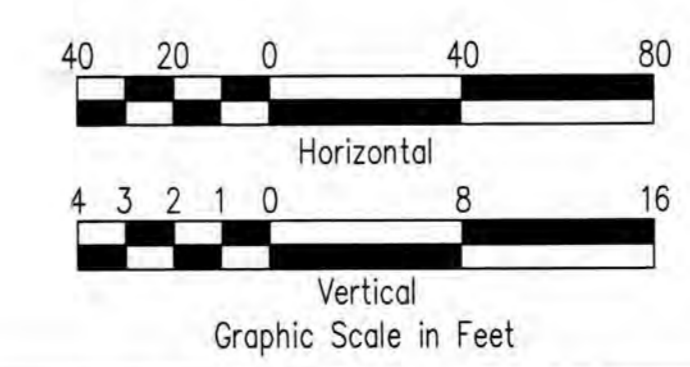
PROFILE - DRAINLINE "E"
SCALES: HORIZ. 1"=40'
VERT. 1"= 8'



SECTION "A"
OUTLET "E" - CRM OUTLET DETAIL
SCALE: 1/4" = 1'-0"

LEGEND

---	PROPERTY LINE	←→	TYPE "A" SERVICE LATERAL
(260)	LOT NUMBER	┌→	TYPE "A-1" SERVICE LATERAL
-D18-	NEW DRAINLINE	CAP	CORRUGATED ALUMINUM PIPE
-WB LP-	NEW WATERLINE (LOW PRESSURE)	199	BORING TEST PIT LOCATION



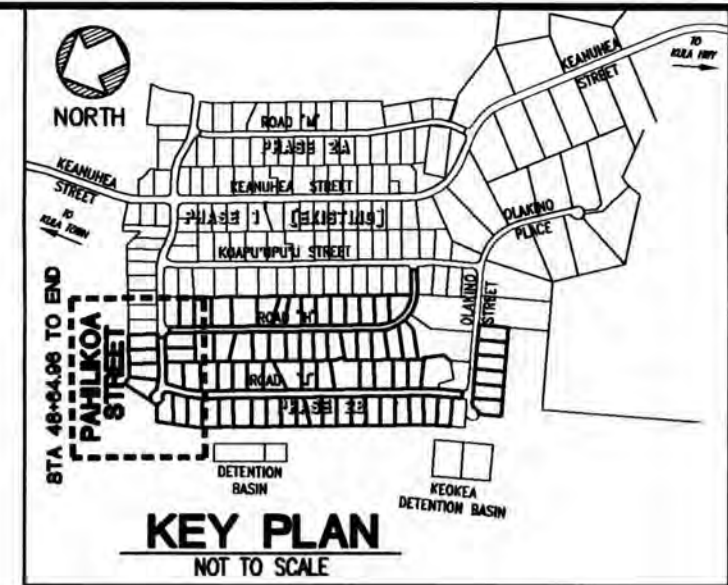
BASE BID

ADDENDUM NO. 3

ANSON M. MURAYAMA
LICENSED PROFESSIONAL ENGINEER
No. 6975-C
HAWAII, U.S.A.

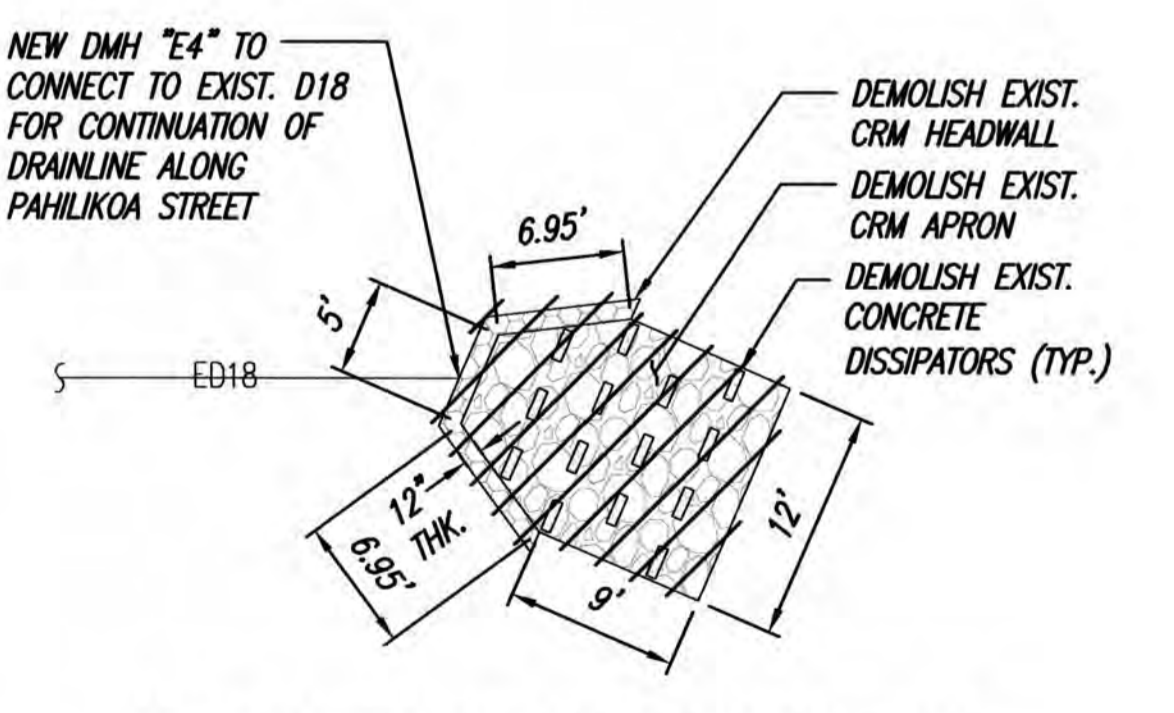
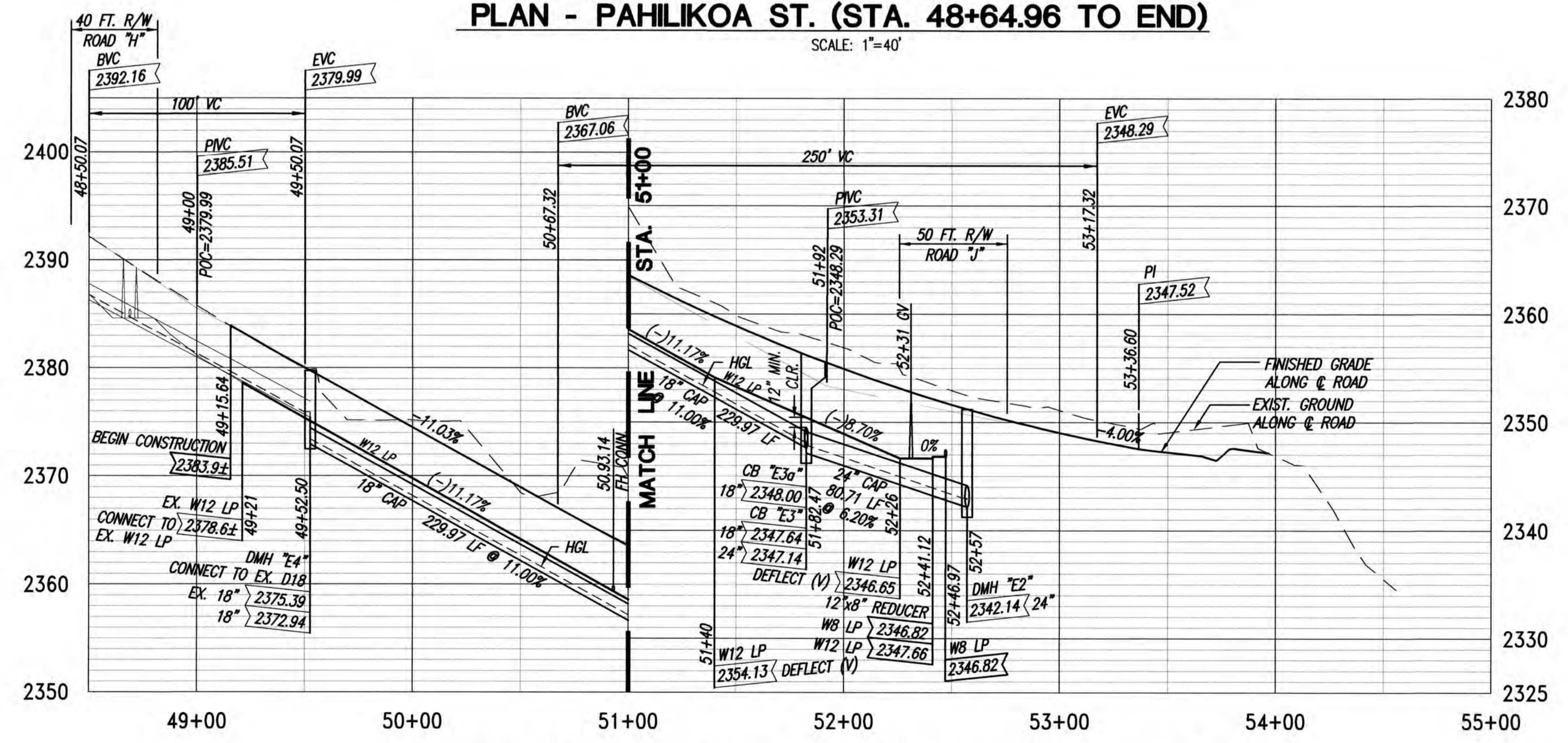
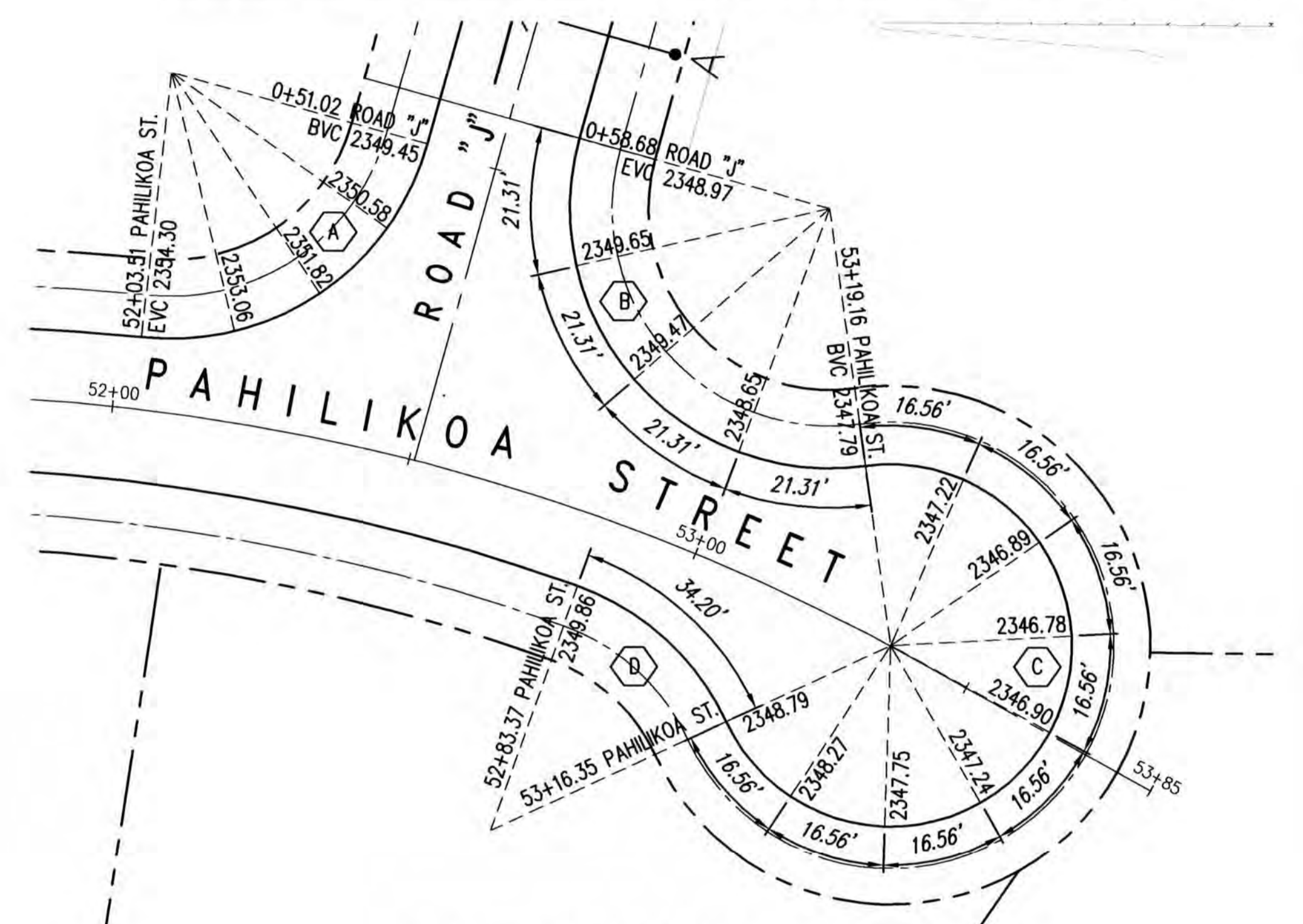
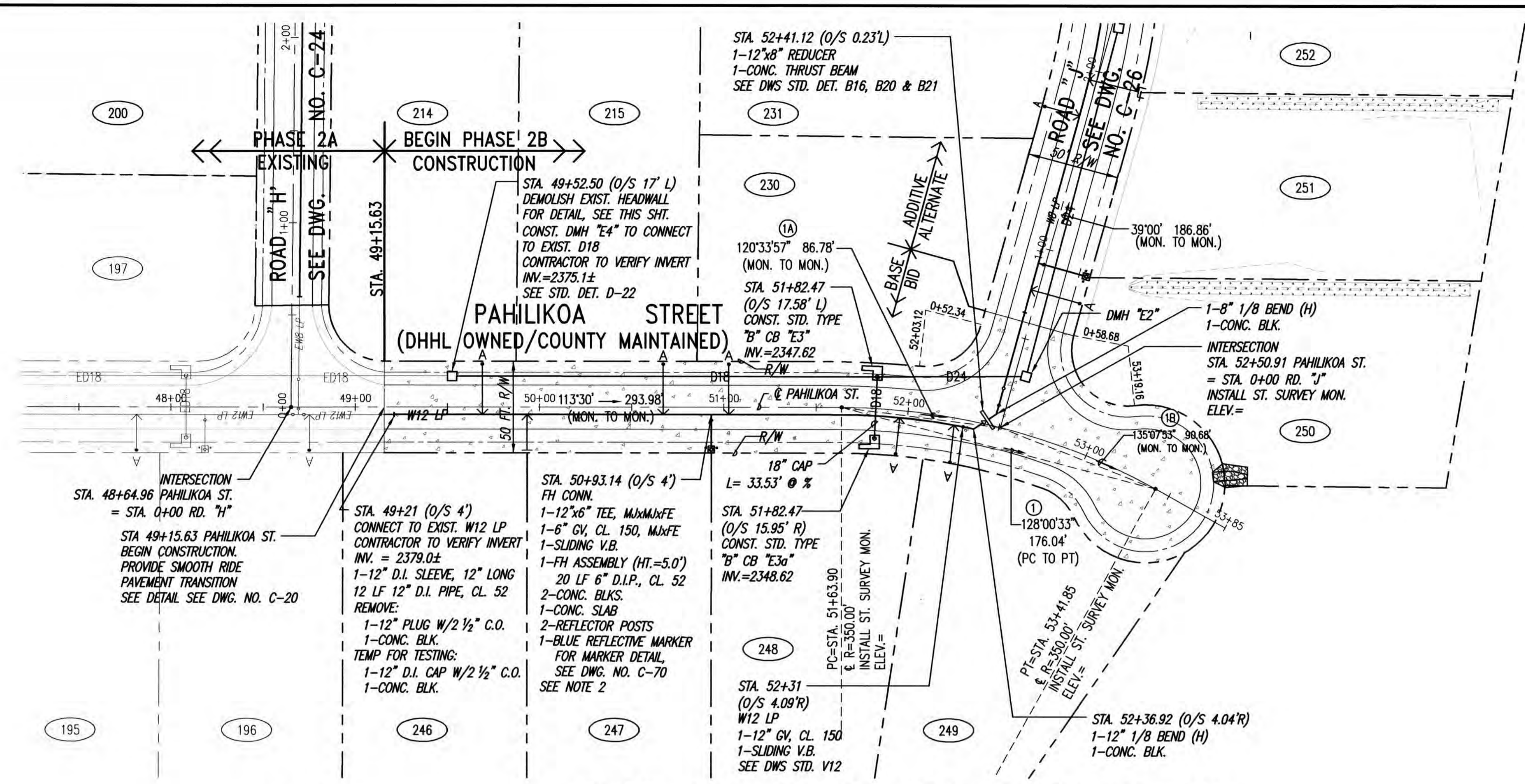
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
<p>Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1288 Queen Emma Street, Third Floor Honolulu, Hawaii</p> <p>KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B KEOKEA & WAIOHULI, MAKAWAO, MAUI OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023</p> <p>PLAN AND PROFILE DRAINLINE "E" - BASE BID</p>			
DRAWN BY: HWH	ENGINEER: HWH, FJC	CHECKED BY: AMM	
FILE	POCKET	FOLDER	NO.



CURVE	(1)	(1A)	(1B)
Δ	29°07'49"	14°14'41"	14°53'13"
Δ/2	14°33'54.7"	7°07'20.3"	7°26'36.4"
R	350.00'	350.00'	350.00'
T	90.94'	43.73'	45.72'
C	176.04'	86.78'	90.68'
L	177.95'	87.01'	90.93'

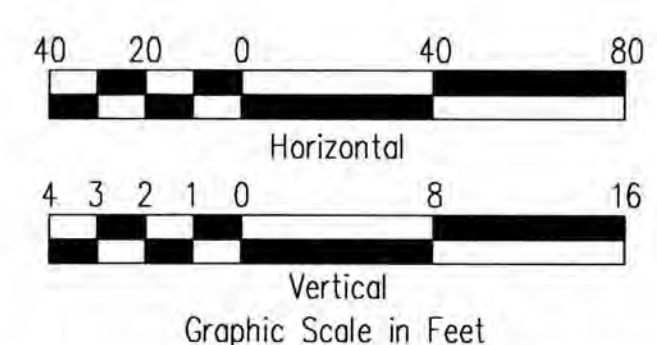
CURVE	(A)	(B)	(C)	(D)	CURVE
Δ	80° 41' 39"	113° 33' 18"	253° 04' 26"	45° 34' 30"	Δ
Δ/2	40° 20' 50"	56° 46' 39"	126° 32' 13"	22° 47' 15"	Δ/2
R	44.00'	43.00'	30.00'	43.00'	R
T	37.38'	65.65'	40.49'	18.06'	T
C	56.97'	71.94'	48.21'	33.31'	C
L	61.97'	85.22'	132.51'	34.20'	L



LEGEND	
	PROPERTY LINE
	LOT NUMBER
	GUARD RAIL
	EXISTING DRAINLINE
	NEW DRAINLINE
	EXISTING WATERLINE
	NEW WATERLINE (LOW PRESSURE)
	TYPE "A" SERVICE LATERAL
	TYPE "A-1" SERVICE LATERAL
	CORRUGATED ALUMINUM PIPE
	VALVE BOX
	SINGLE RADIUS ARCH
	BORING TEST PIT LOCATION

- NOTES:**
- FOR TYPE "A" AND "A-1" WATER SERVICE LATERAL, SEE DWG. NO. C-76 AND DWS STD. DET. L24, L25 & L26 FOR TYPE "A" AND L24, L27 & L28 FOR TYPE "A-1".
 - FOR FH CONN. SEE DWS STD. DET. FH6, FH8 & FH9.
 - MAINTAIN 3 FT MINIMUM CLEARANCE BETWEEN WATER SERVICE LATERAL TAPS INTO NEW WATER MAIN.
 - WATER EASEMENTS REQUIRED FOR WATER METER BOXES WITHIN THE LOTS.
 - DWS TO INSTALL NEW 3/4" METER IN NEW METER BOXES WHEN APPLICABLE.
 - FINISH GRADES SHOWN ARE ALONG THE CENTER OF ROAD PAVEMENT.

ADDITIVE ALTERNATE



ANSON M. MURATAKA
 LICENSED PROFESSIONAL ENGINEER
 No. 6975-C
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

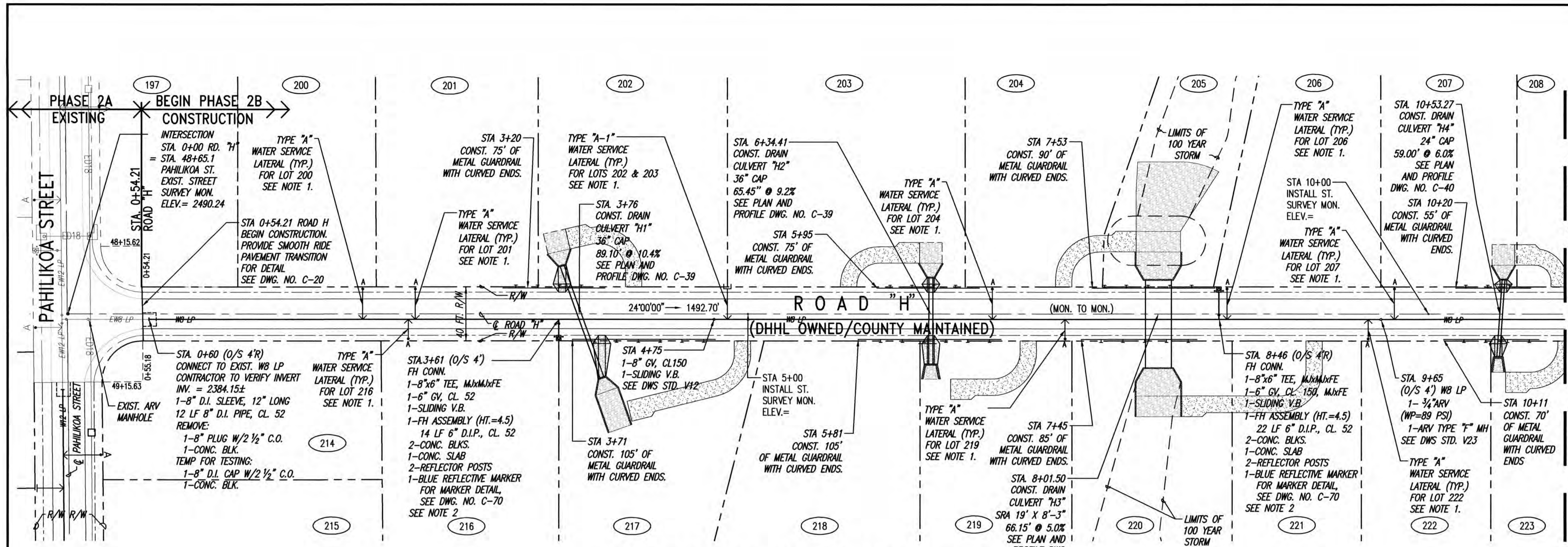
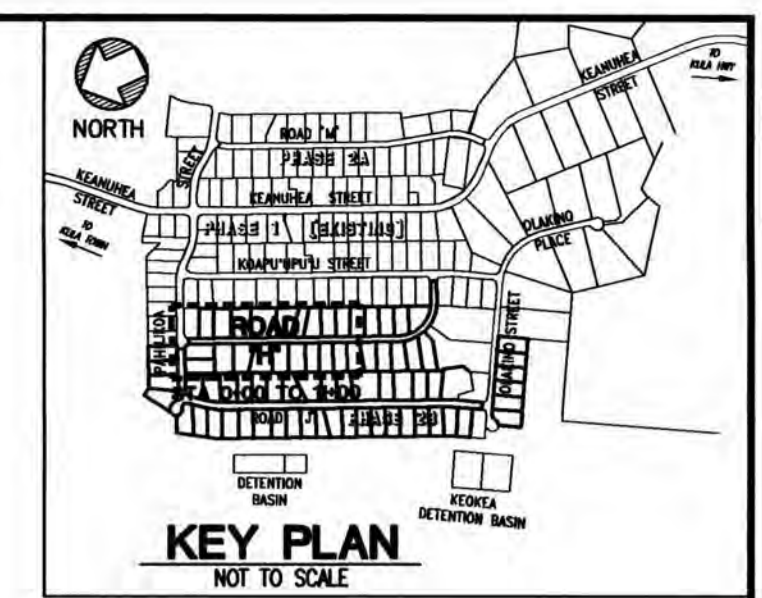
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1286 Queen Emma Street, Third Floor | Honolulu, Hawaii

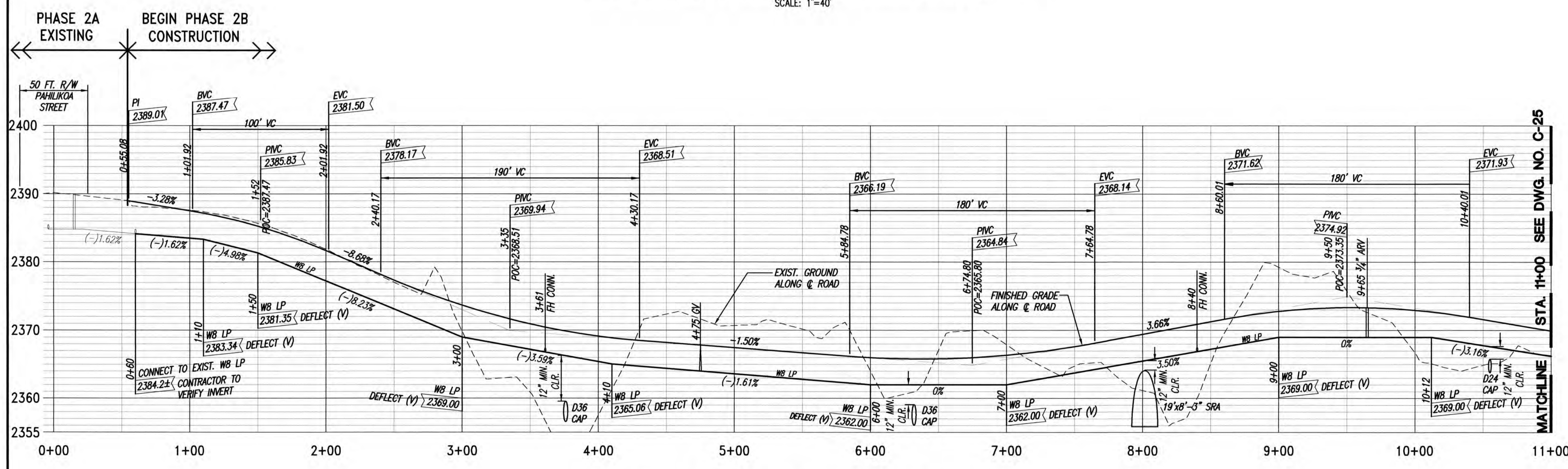
KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
 KEOKEA & WAIOHULI, MAKAWAO, MAUI
 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
 TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

PLAN AND PROFILE PAHILIKOA ST. STA. 50+00 TO END - ADDITIVE ALTERNATE

DRAWN BY: HWH | ENGINEER: HWH, FJC | CHECKED BY: AMM



PLAN - ROAD "H" (STA. 0+00 TO 11+00)
SCALE: 1"=40'



PROFILE - ROAD "H" (STA. 0+00 TO 11+00)
SCALES: HORIZ. 1"=40'
VERT. 1"= 8'

SEE DWG. NO. C-25

MATCHLINE STA. 11+00

STA. 11+00 SEE DWG. NO. C-25

LEGEND

- PROPERTY LINE
- (260) LOT NUMBER
- GUARD RAIL
- EX D18 --- EXISTING DRAINLINE
- D18 --- NEW DRAINLINE
- EX WB --- EXISTING WATERLINE
- WB LP --- NEW WATERLINE (LOW PRESSURE)
- TYPE "A" SERVICE LATERAL
- TYPE "A-1" SERVICE LATERAL
- CAP --- CORRUGATED ALUMINUM PIPE
- V.B. --- VALVE BOX
- SRA --- SINGLE RADIUS ARCH

- NOTES:**
- FOR TYPE "A" AND "A-1" WATER SERVICE LATERAL, SEE DWG. NO. C-76 AND DWS STD. DET. L24, L25 & L26 FOR TYPE "A" AND L24, L27 & L28 FOR TYPE "A-1".
 - FOR FH CONN. SEE DWS STD. DET. FH6, FH8 & FH9.
 - MAINTAIN 3 FT MINIMUM CLEARANCE BETWEEN WATER SERVICE LATERAL TAPS INTO NEW WATER MAIN.
 - WATER EASEMENTS REQUIRED FOR WATER METER BOXES WITHIN THE LOTS.
 - DWS TO INSTALL NEW 3/8" METER IN NEW METER BOXES WHEN APPLICABLE.
 - FOR GUARDRAIL, SEE STD DET. R22, R23 AND R24.
 - FINISH GRADES SHOWN ARE ALONG THE CENTER OF ROAD PAVEMENT.

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

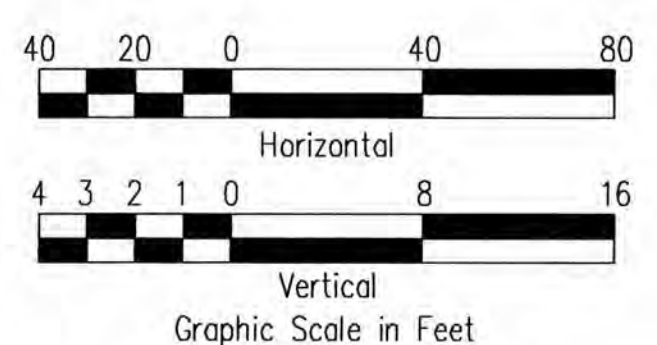
Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1288 Queen Emma Street, Third Floor Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
KEOKEA & WAIOHULI, MAKAWAO, MAUI
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: (2) 2-2-002-014 AND (2) 2-2-033-023

PLAN AND PROFILE ROAD "H"
STA. 0+00 TO STA. 11+00 - BASE BID
DRAWN BY: HWH ENGINEER: HWH, FJC CHECKED BY: AMM

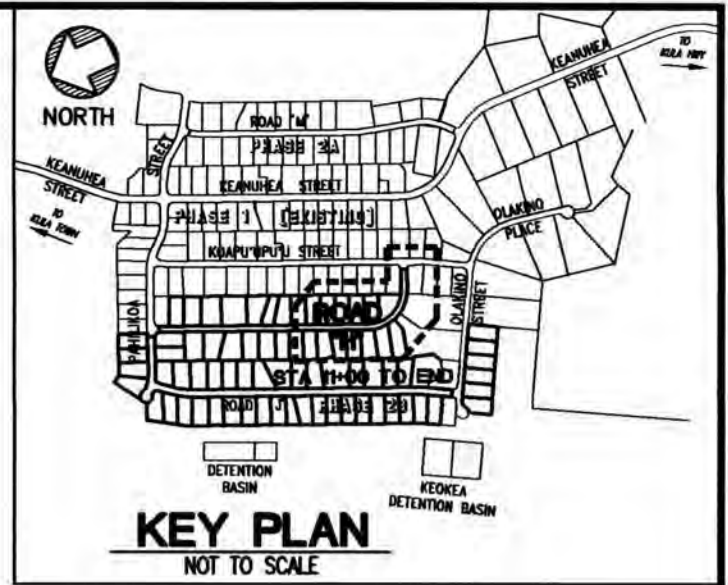


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26



BASE BID

ADDENDUM NO. 3



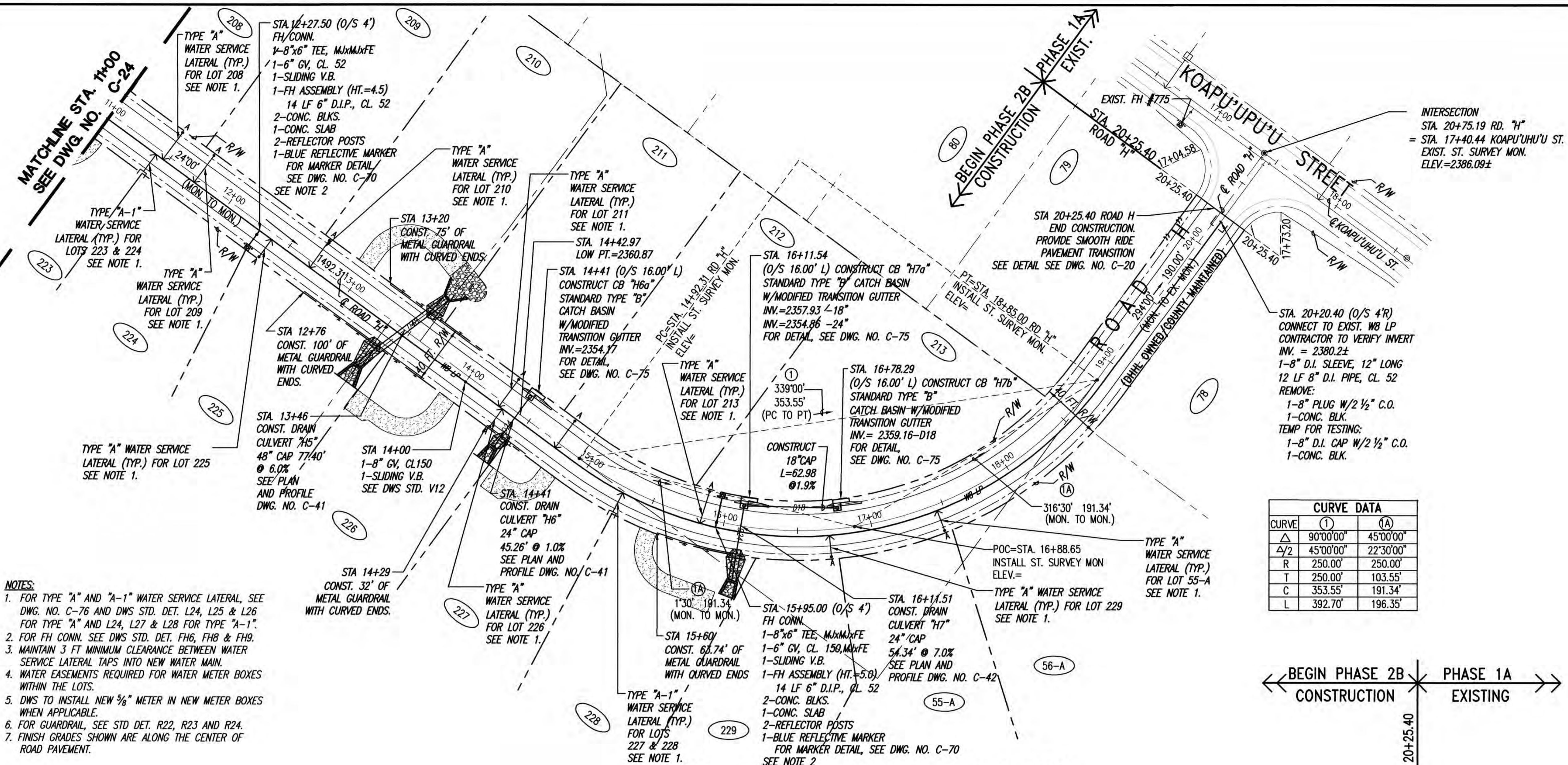
INTERSECTION
 STA. 20+75.19 RD. "H"
 = STA. 17+40.44 KOAPU'UPU'U ST.
 EXIST. ST. SURVEY MON.
 ELEV.=2386.09±

LEGEND

- PROPERTY LINE
- (260) LOT NUMBER
- GUARD RAIL
- EX D18 --- EXISTING DRAINLINE
- D18 --- NEW DRAINLINE
- EX WB --- EXISTING WATERLINE
- WB LP --- NEW WATERLINE (LOW PRESSURE)
- TYPE "A" SERVICE LATERAL
- TYPE "A-1" SERVICE LATERAL
- CAP --- CORRUGATED ALUMINUM PIPE
- V.B. --- VALVE BOX
- SRA --- SINGLE RADIUS ARCH
- 199 --- BORING TEST PIT LOCATION

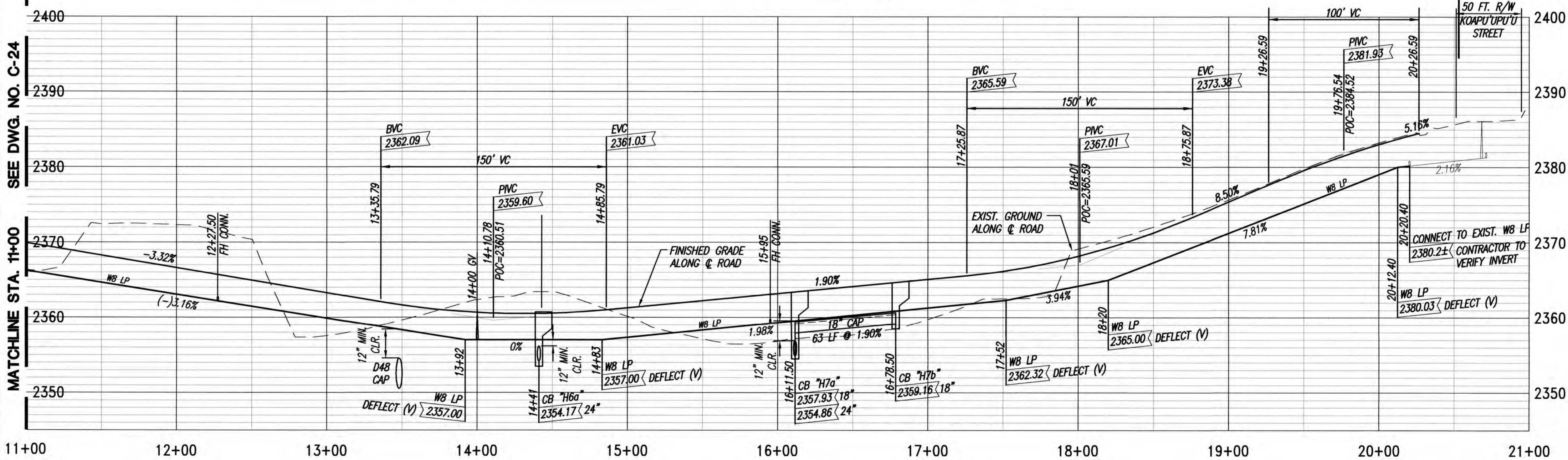
CURVE DATA

CURVE	(1)	(1A)
Δ	90°00'00"	45°00'00"
Δ/2	45°00'00"	22°30'00"
R	250.00'	250.00'
T	250.00'	103.55'
C	353.55'	191.34'
L	392.70'	196.35'



PLAN - ROAD "H" (STA. 11+00 TO END)

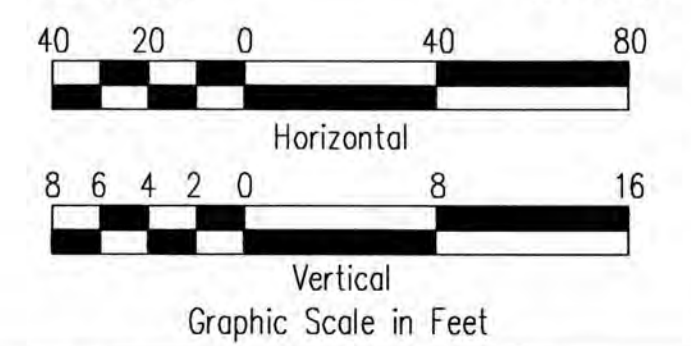
SCALE: 1"=40'



PROFILE - ROAD "H" (STA. 11+00 TO END)

SCALES: HORIZ. 1"=40'
 VERT. 1"= 8'

BASE BID



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE DESCRIPTION MADE BY APPROVED

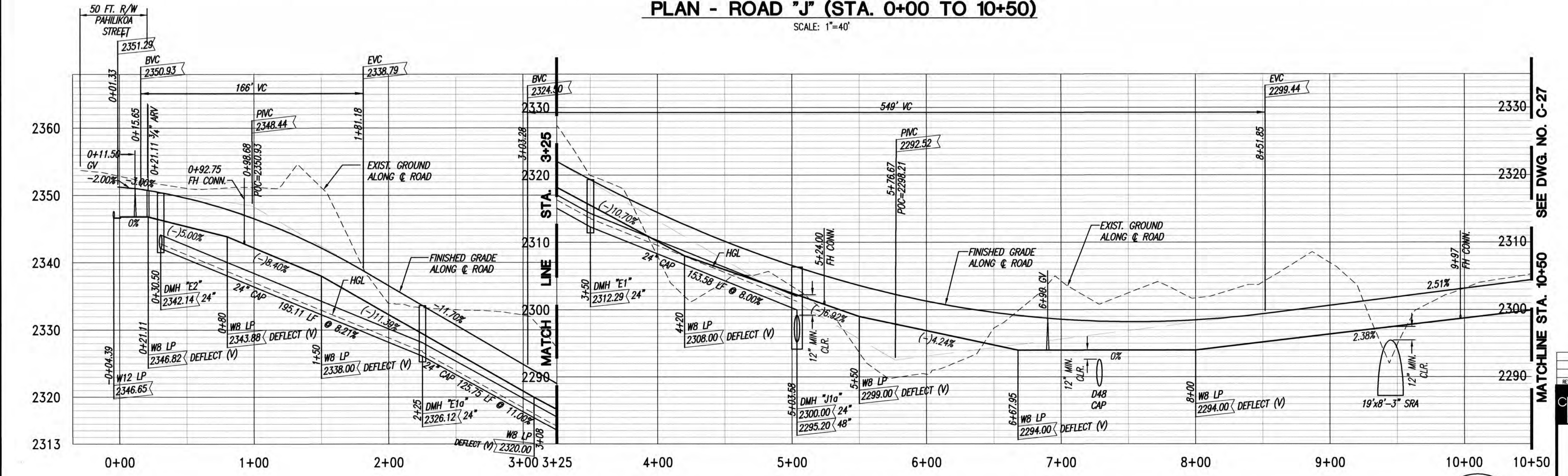
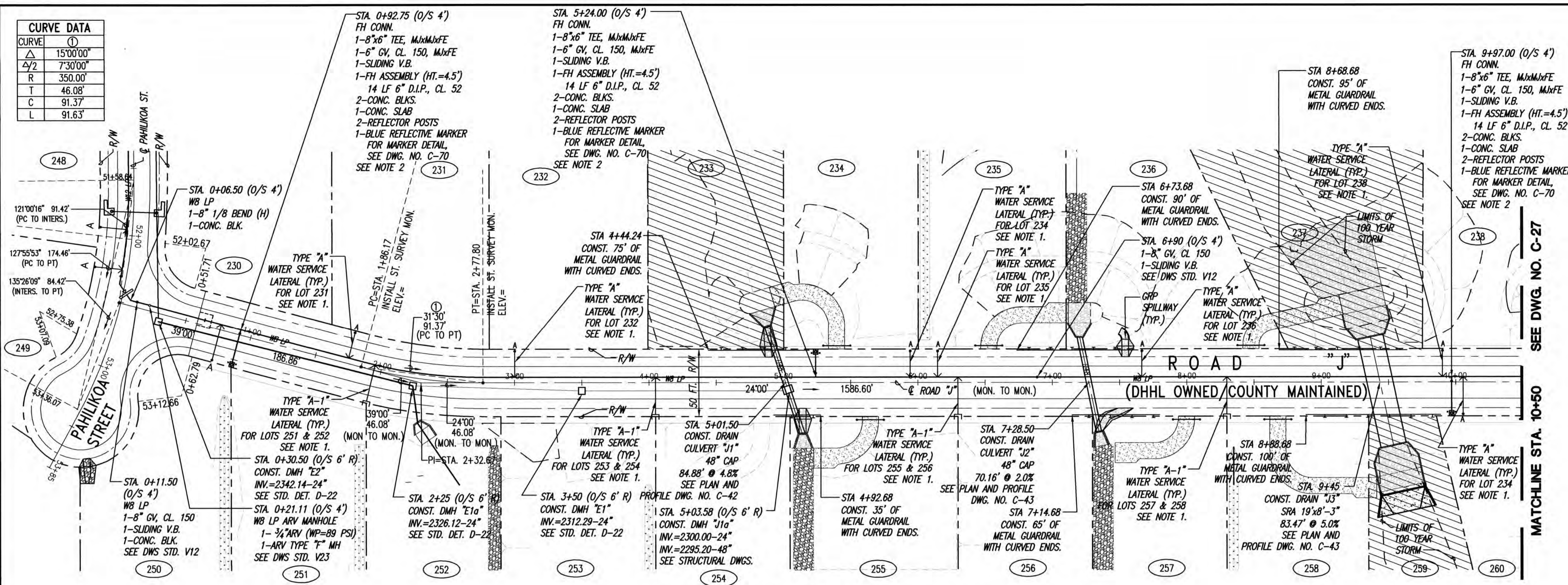
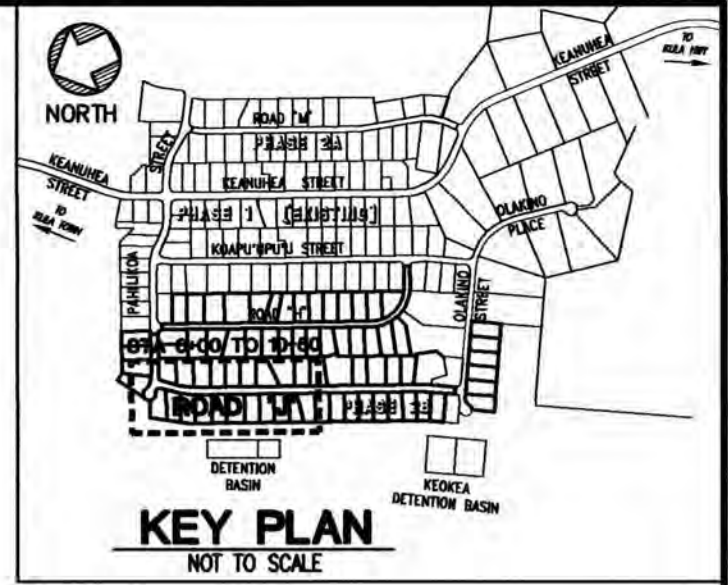
Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1286 Queen Emma Street, Third Floor Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
 KEOKEA & WAIOHULI, MAKAWAO, MAUI
 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
 TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

PLAN AND PROFILE ROAD "H" STA. 11+00 TO END - BASE BID

DRAWN BY: HW1 ENGINEER: HW1, FJC CHECKED BY: AMM

CURVE DATA	
CURVE	①
Δ	1500'00"
Δ/2	750'00"
R	350.00'
T	46.08'
C	91.37'
L	91.63'



LEGEND

- PROPERTY LINE
- ②60 LOT NUMBER
- GUARD RAIL
- EX D18 EXISTING DRAINLINE
- D18 NEW DRAINLINE
- EX WB EXISTING WATERLINE
- WB LP NEW WATERLINE (LOW PRESSURE)
- ←→ TYPE "A" SERVICE LATERAL
- TYPE "A-1" SERVICE LATERAL
- CAP CORRUGATED ALUMINUM PIPE
- V.B. VALVE BOX
- SRA SINGLE RADIUS ARCH
- 199 BORING TEST PIT LOCATION

- NOTES:**
- FOR TYPE "A" AND "A-1" WATER SERVICE LATERAL, SEE DWG. NO. C-76 AND DWS STD. DET. L24, L25 & L26 FOR TYPE "A" AND L24, L27 & L28 FOR TYPE "A-1".
 - FOR FH CONN. SEE DWS STD. DET. FH6, FH8 & FH9.
 - MAINTAIN 3 FT MINIMUM CLEARANCE BETWEEN WATER SERVICE LATERAL TAPS INTO NEW WATER MAIN.
 - WATER EASEMENTS REQUIRED FOR WATER METER BOXES WITHIN THE LOTS.
 - DWS TO INSTALL NEW 5/8" METER IN NEW METER BOXES WHEN APPLICABLE.
 - FOR GUARDRAIL, SEE STD. DET. R22, R23 AND R24.
 - FINISH GRADES SHOWN ARE ALONG THE CENTER OF ROAD PAVEMENT.

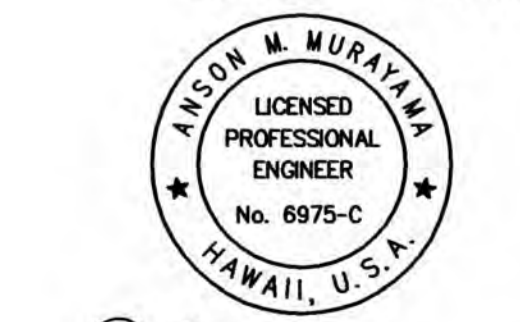
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1286 Queen Emma Street, Third Floor
Honolulu, Hawaii

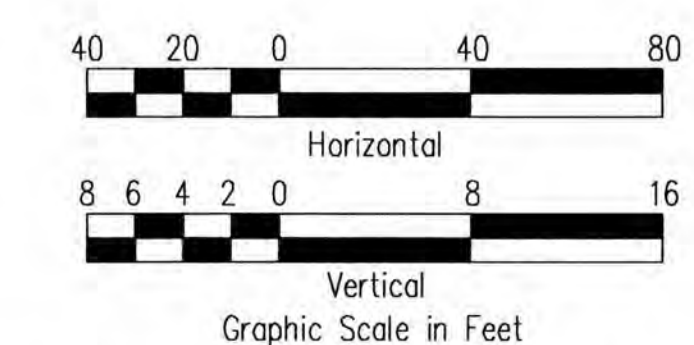
KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
KEOKEA & WAIOHULI, MAKAWAO, MAUI
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

PLAN AND PROFILE ROAD "J" STA. 0+00 TO STA. 10+50 - ADDITIVE ALTERNATE

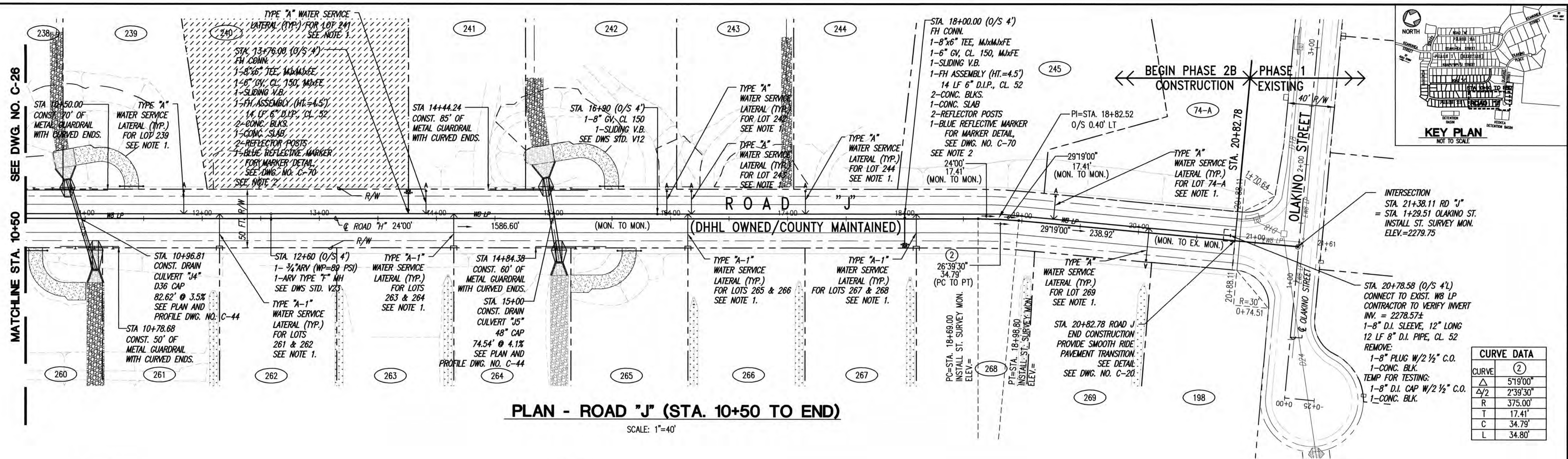
DRAWN BY: HWH ENGINEER: HWH, FJC CHECKED BY: ANM



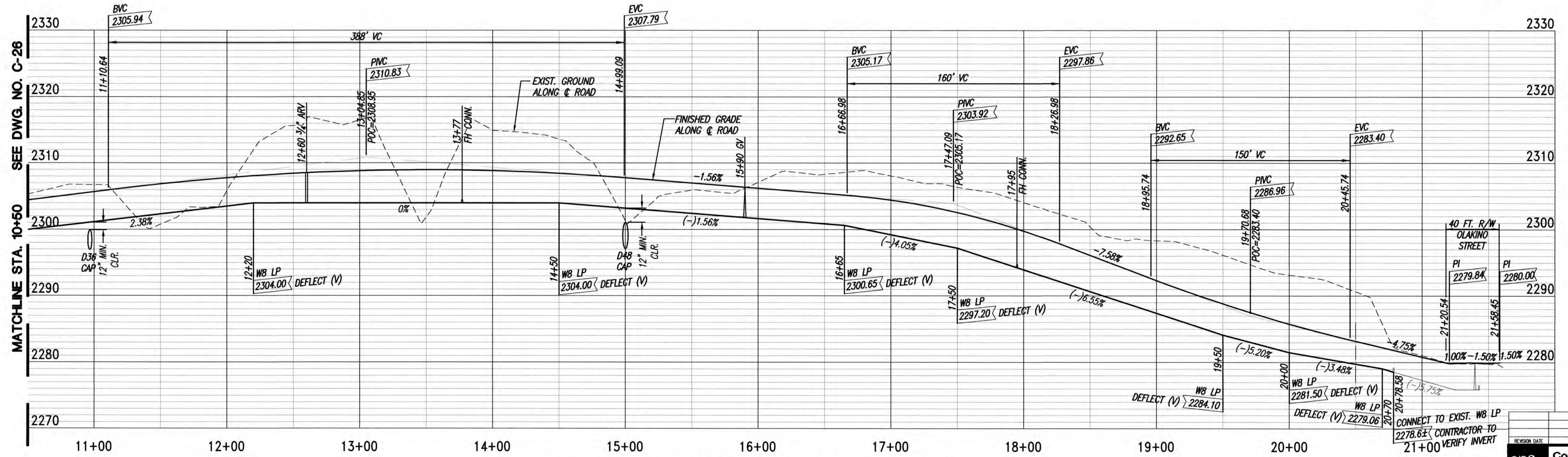
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26



FILE	POCKET	FOLDER	NO.



PLAN - ROAD "J" (STA. 10+50 TO END)
SCALE: 1"=40'



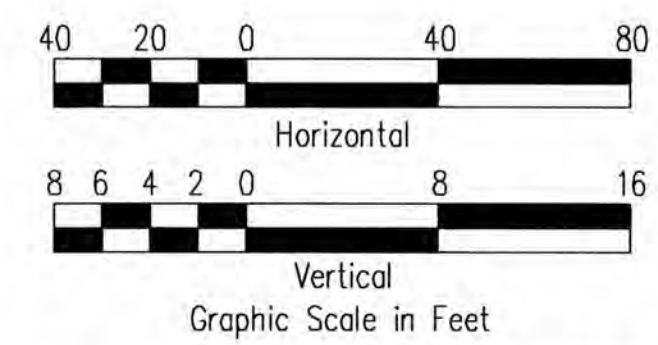
PROFILE - ROAD "J" (STA. 10+50 TO END)
SCALES: HORIZ. 1"=40'
VERT. 1"= 8'

- NOTES:**
- FOR TYPE "A" AND "A-1" WATER SERVICE LATERAL, SEE DWG. NO. C-76 AND DWS STD. DET. L24, L25 & L26 FOR TYPE "A" AND L24, L27 & L28 FOR TYPE "A-1".
 - FOR FH CONN. SEE DWS STD. DET. FH6, FH8 & FH9.
 - MAINTAIN 3 FT MINIMUM CLEARANCE BETWEEN WATER SERVICE LATERAL TAPS INTO NEW WATER MAIN.
 - WATER EASEMENTS REQUIRED FOR WATER METER BOXES WITHIN IN LOTS.
 - DWS TO INSTALL NEW 3/8" METER IN NEW METER BOXES WHEN APPLICABLE.
 - FOR GUARDRAIL, SEE STD DET. R22, R23 AND R24.
 - FINISH GRADES SHOWN ARE ALONG THE CENTER OF ROAD PAVEMENT.

LEGEND

---	PROPERTY LINE	←→	TYPE "A" SERVICE LATERAL
(260)	LOT NUMBER	→	TYPE "A-1" SERVICE LATERAL
---	GUARD RAIL	CAP	CORRUGATED ALUMINUM PIPE
---	EXISTING DRAINLINE	V.B.	VALVE BOX
-D18-	NEW DRAINLINE	SRA	SINGLE RADIUS ARCH
---	EXISTING WATERLINE	199	BORING TEST PIT LOCATION
---	NEW WATERLINE (LOW PRESSURE)		

ADDITIVE ALTERNATE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

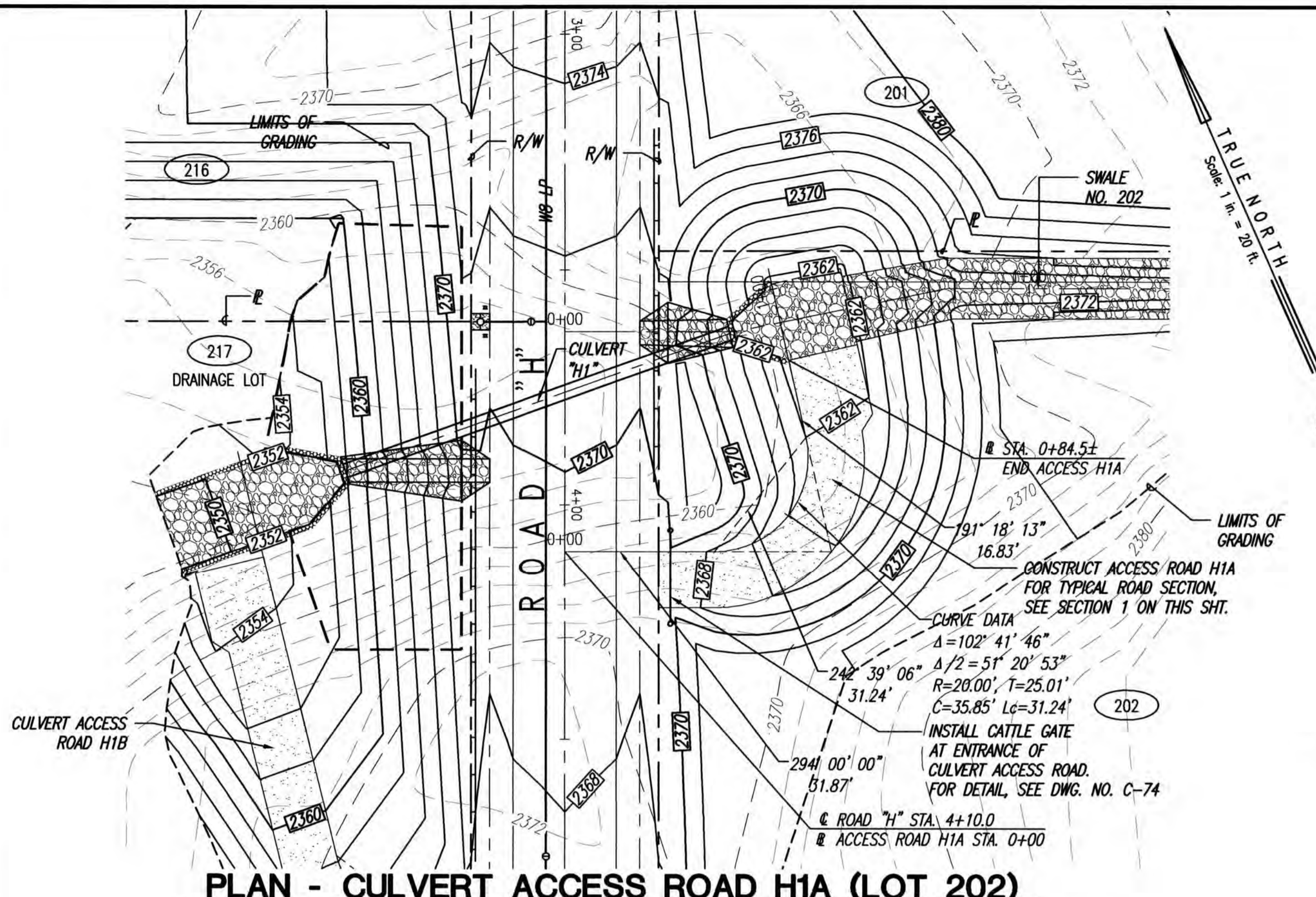
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1288 Queen Emma Street, Third Floor | Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
KEOKEA & WAIOHULI, MAKAWAO, MAUI
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: (2) 2-2-002-014 AND (2) 2-2-033-023

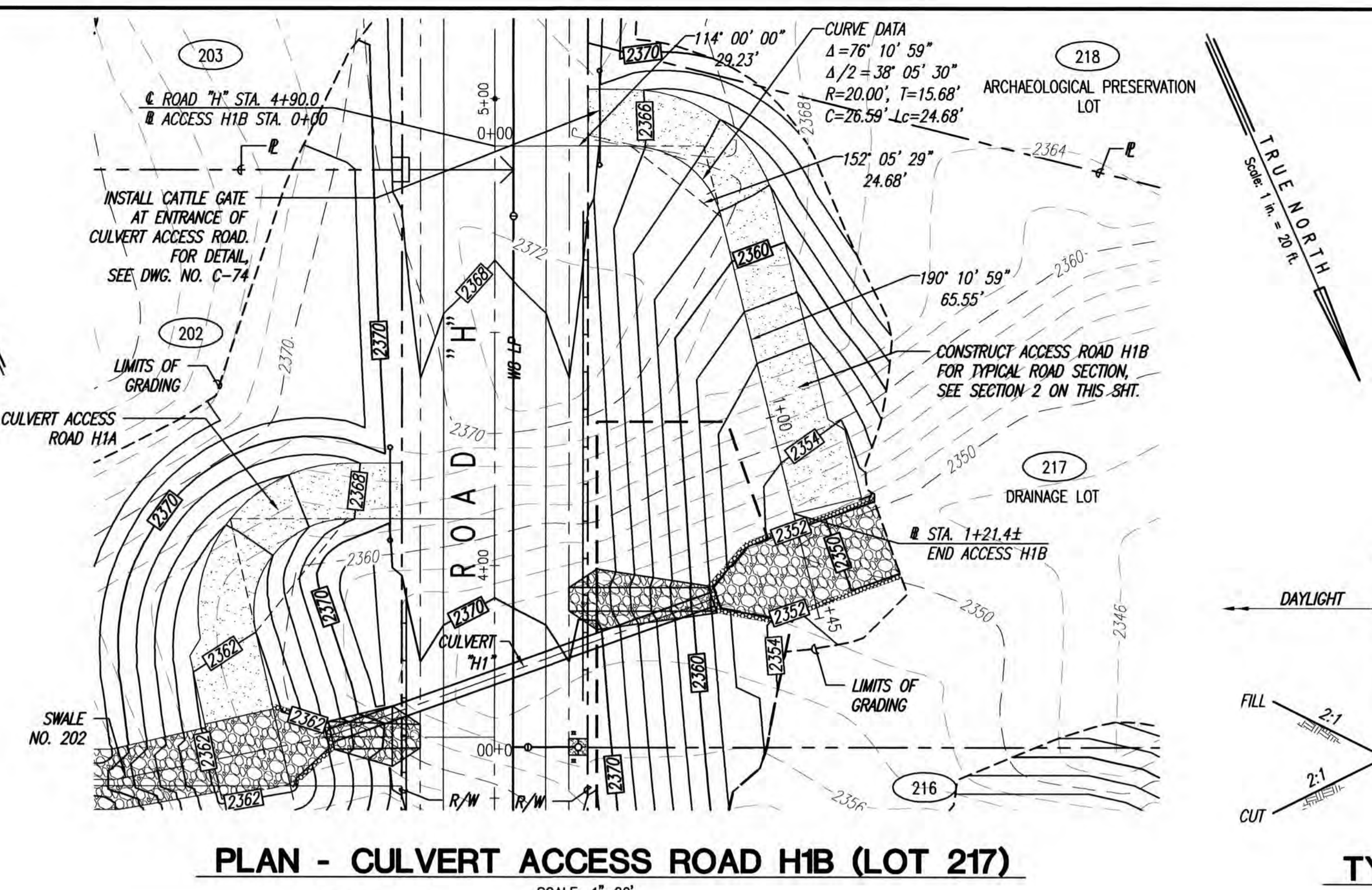
PLAN AND PROFILE ROAD "J" STA. 10+50 TO END - ADDITIVE ALTERNATE

DRAWN BY: HWH | ENGINEER: HWH, FJC | CHECKED BY: AMM



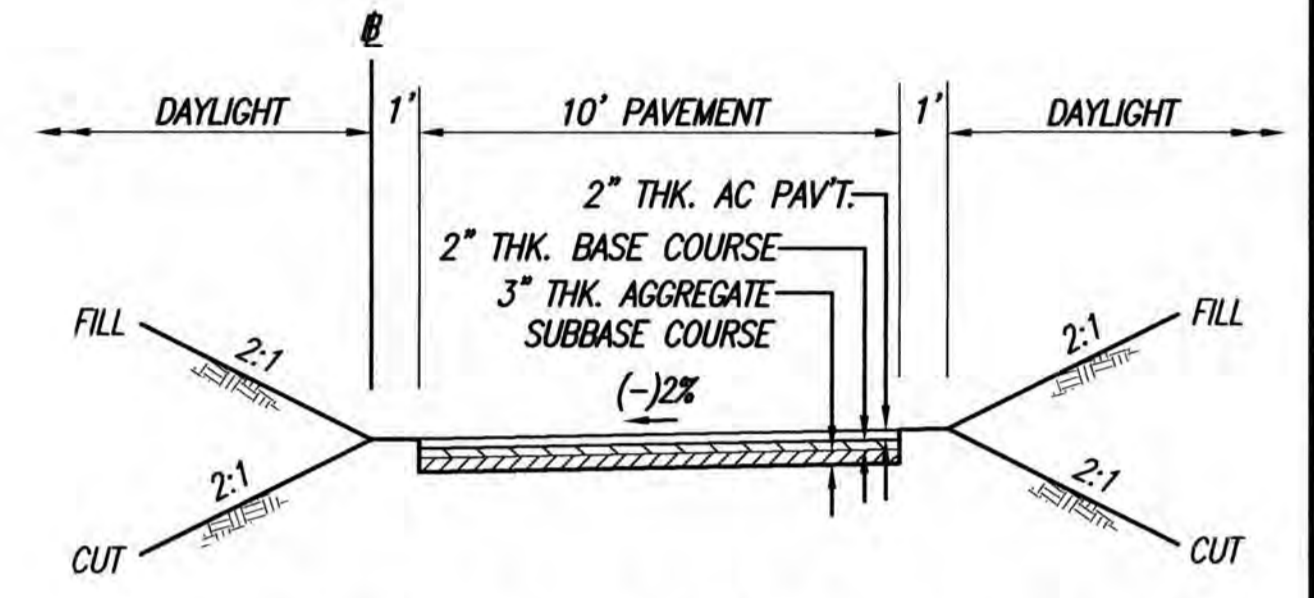
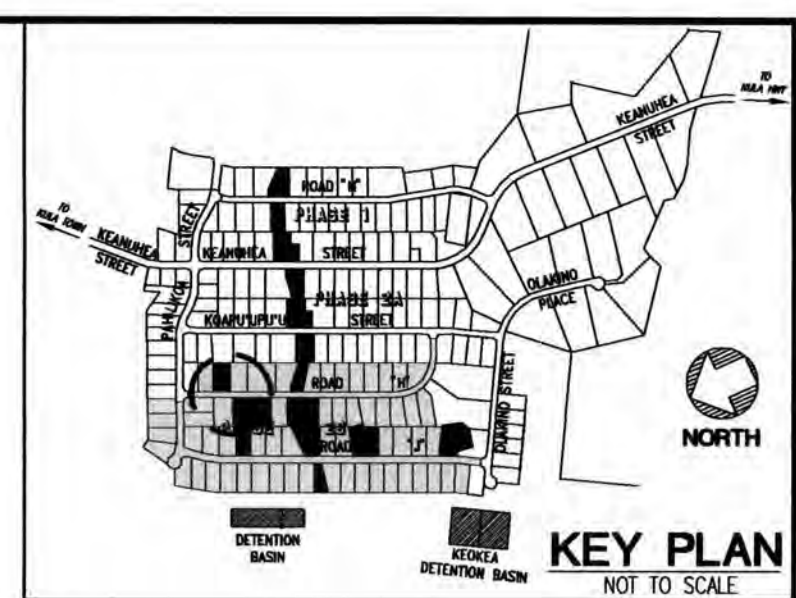
PLAN - CULVERT ACCESS ROAD H1A (LOT 202)

SCALE: 1"=20'



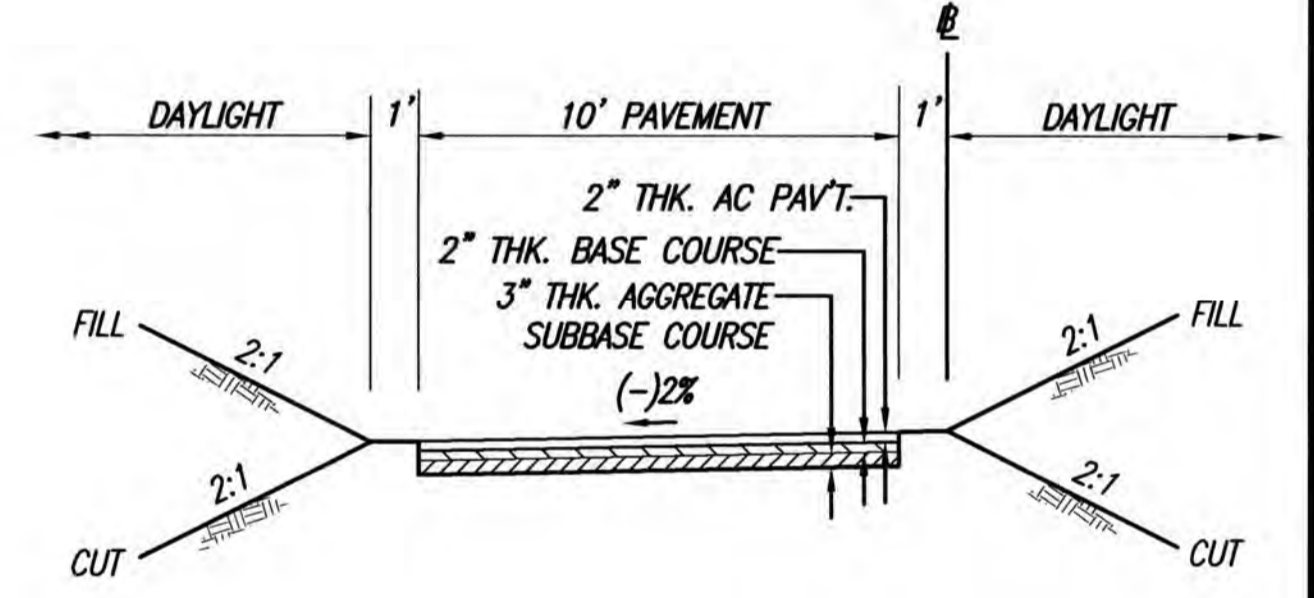
PLAN - CULVERT ACCESS ROAD H1B (LOT 217)

SCALE: 1"=20'



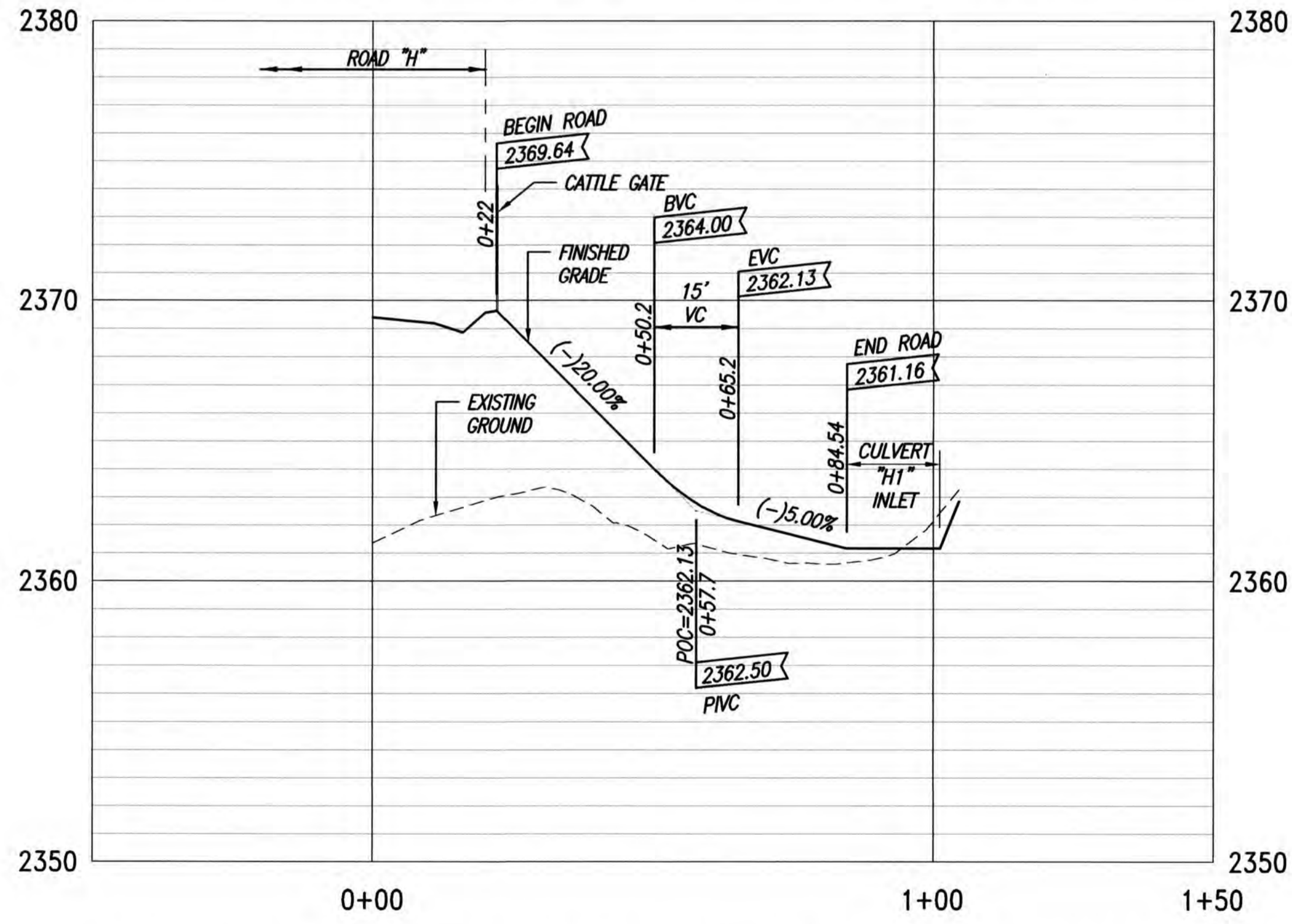
TYPICAL ACCESS ROAD SECTION 1

NOT TO SCALE



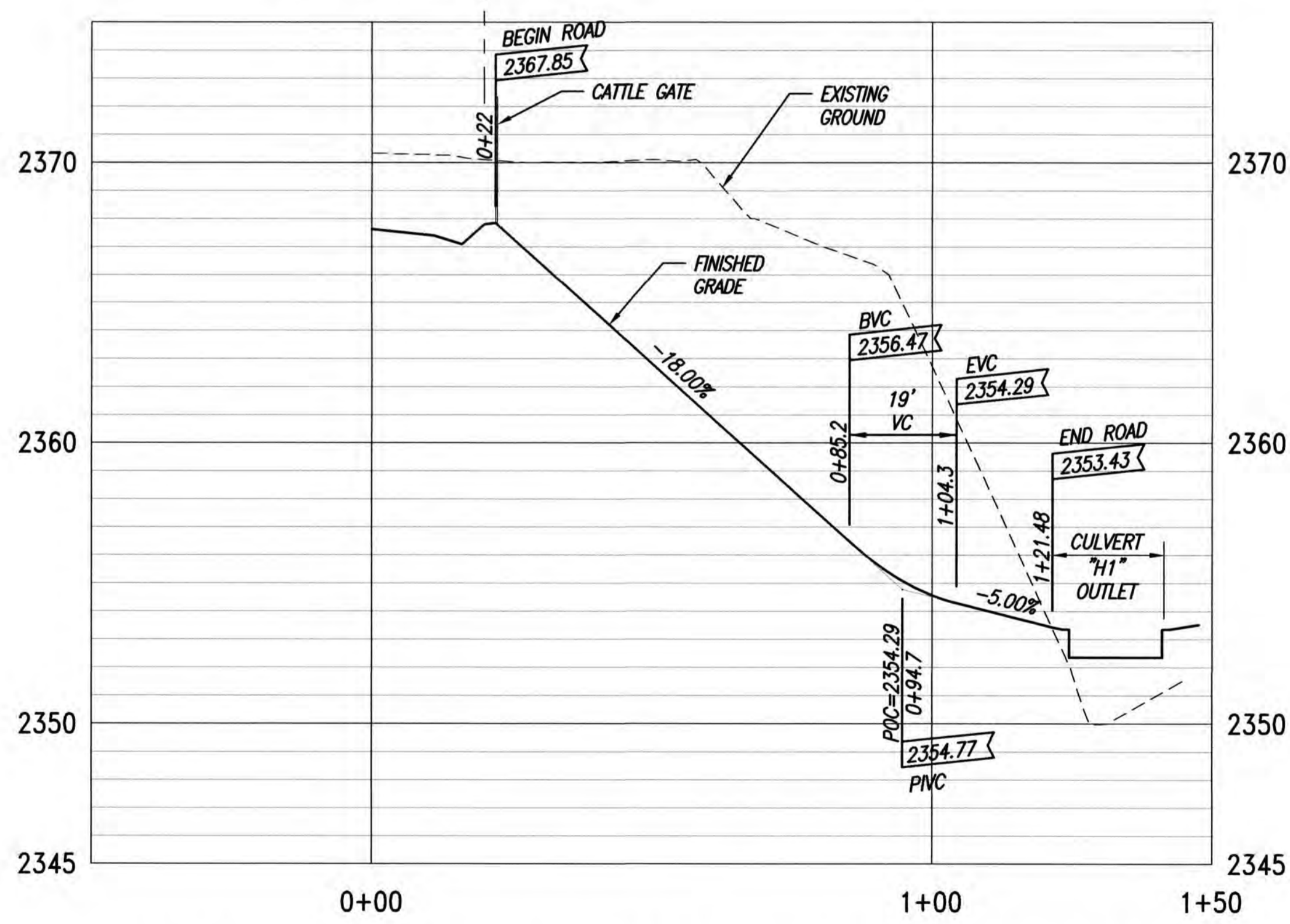
TYPICAL ACCESS ROAD SECTION 2

NOT TO SCALE



PROFILE - CULVERT ACCESS ROAD H1A (LOT 202)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

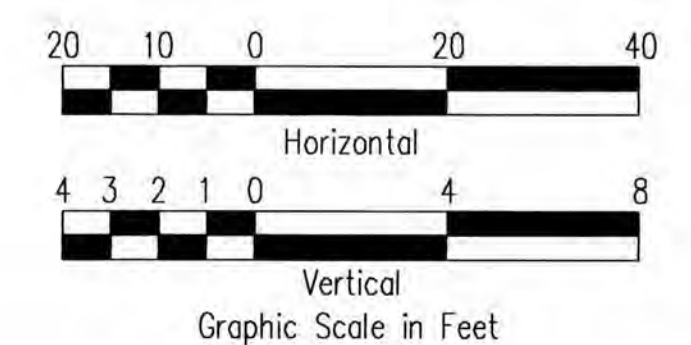


PROFILE - CULVERT ACCESS ROAD H1B (LOT 217)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

- LEGEND**
- LIMITS OF GRADING
 - - - EXISTING GROUND CONTOUR
 - FINISH GRADE CONTOUR
 - PROPERTY LINE
 - - - GUARDRAIL
 - CATTLE GATE
 - NEW WATER LINE
 - ← → TYPE "A" SERVICE LATERAL
 - TYPE "A-1" SERVICE LATERAL
 - (216) LOT NUMBER

BASE BID



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

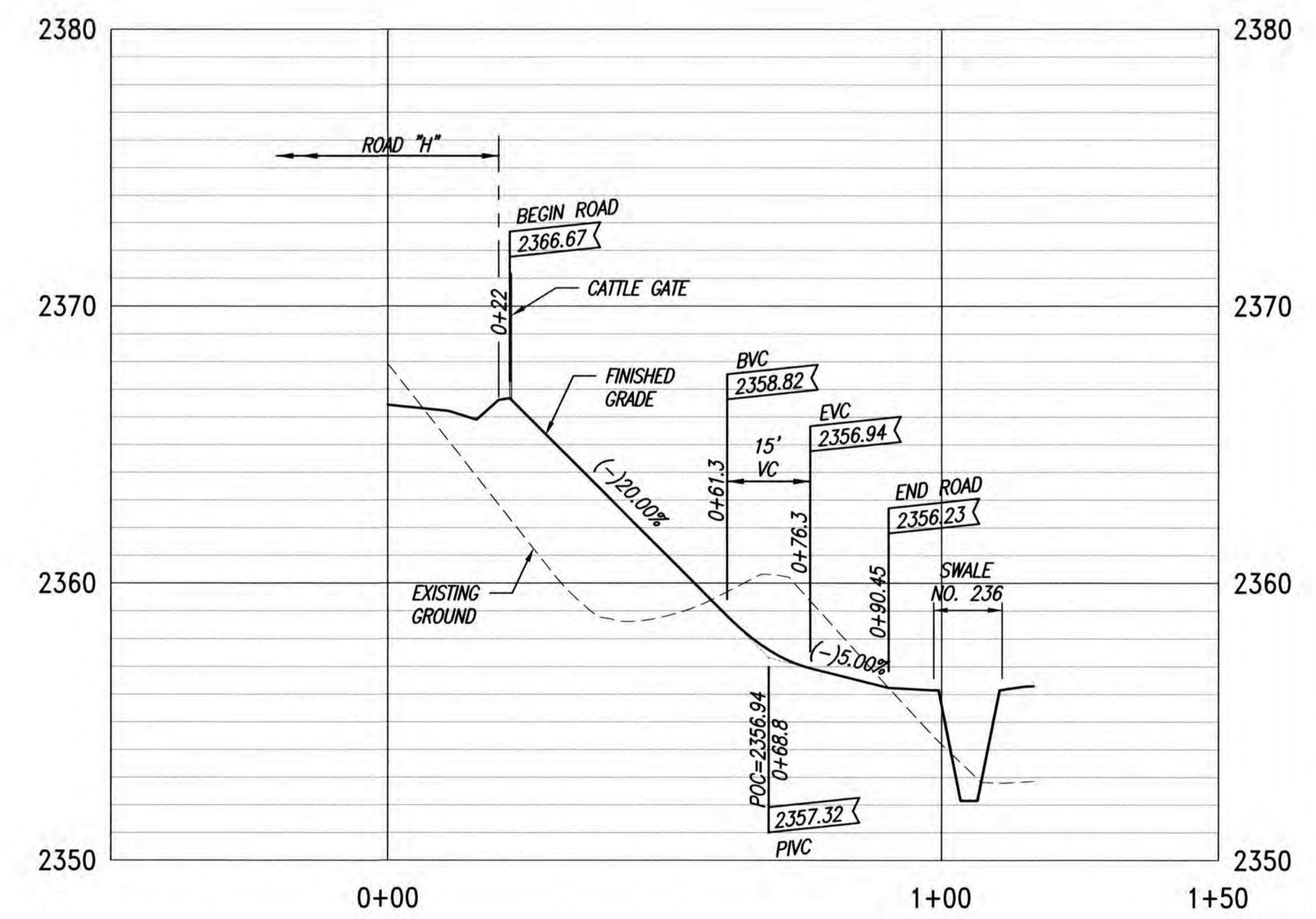
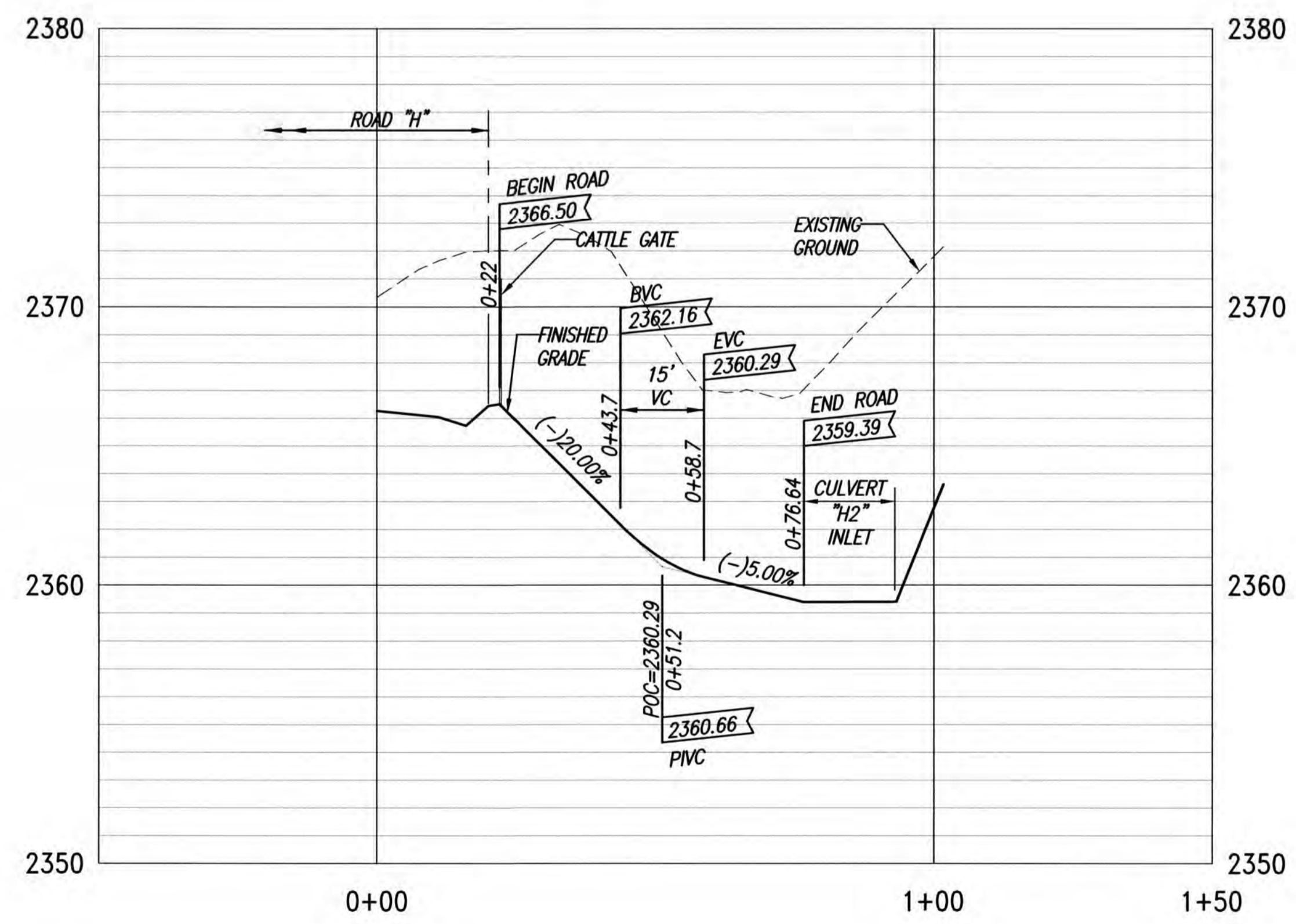
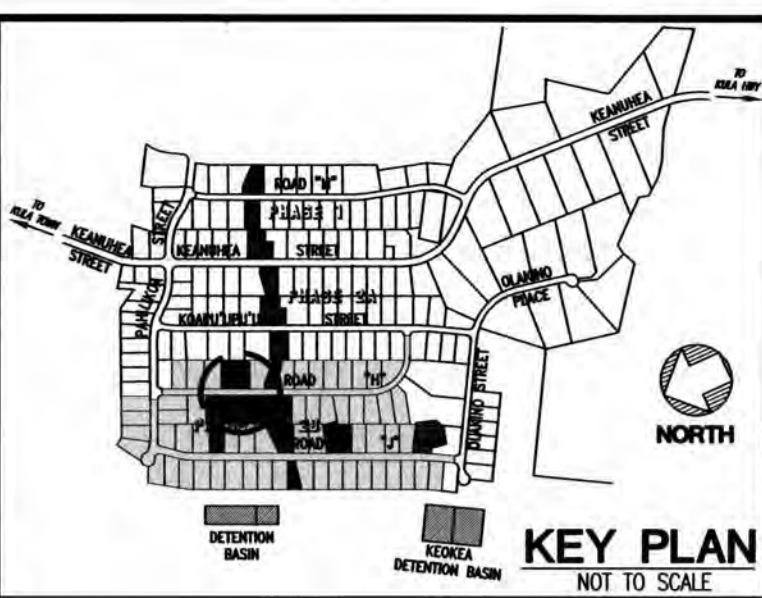
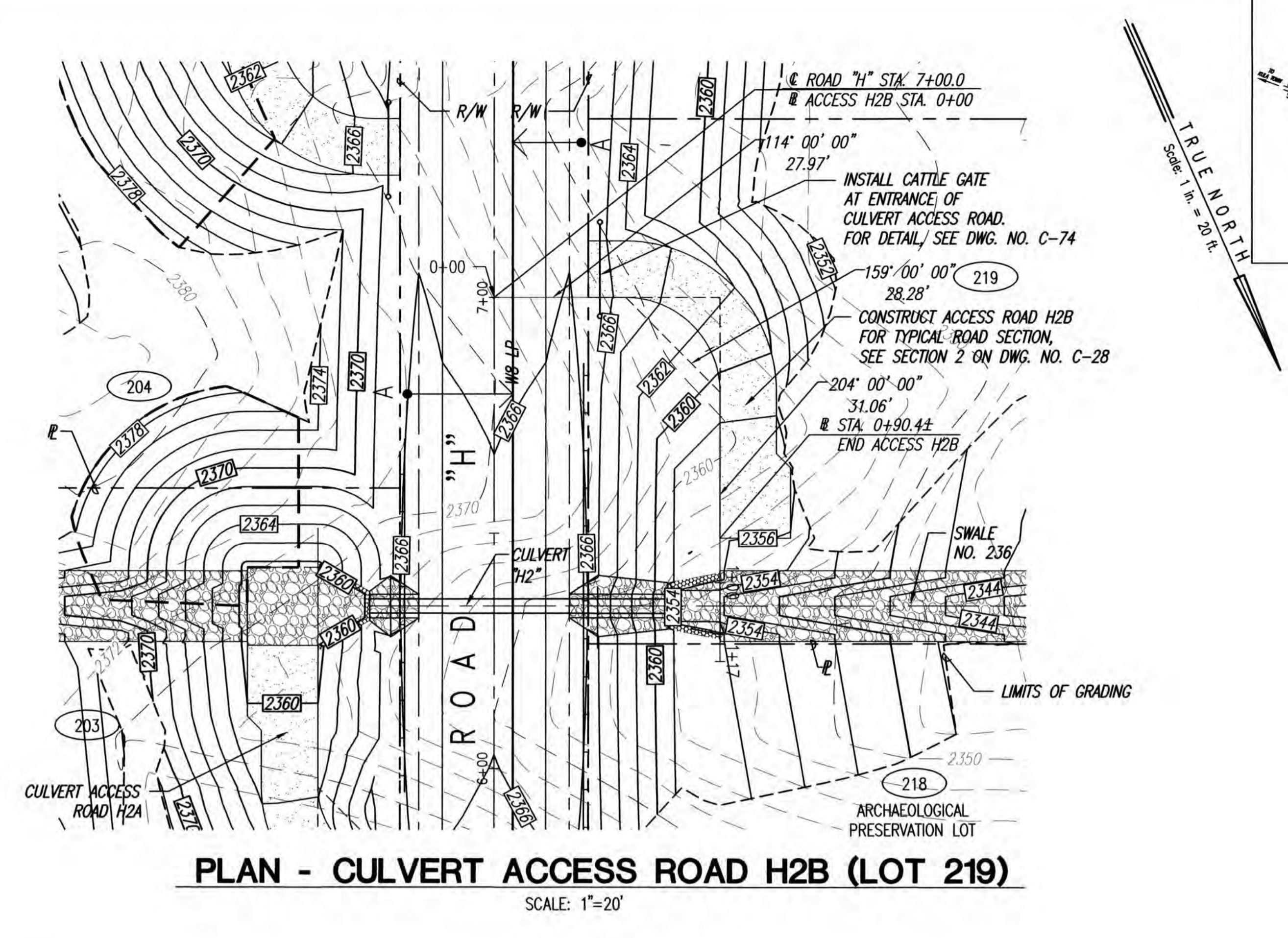
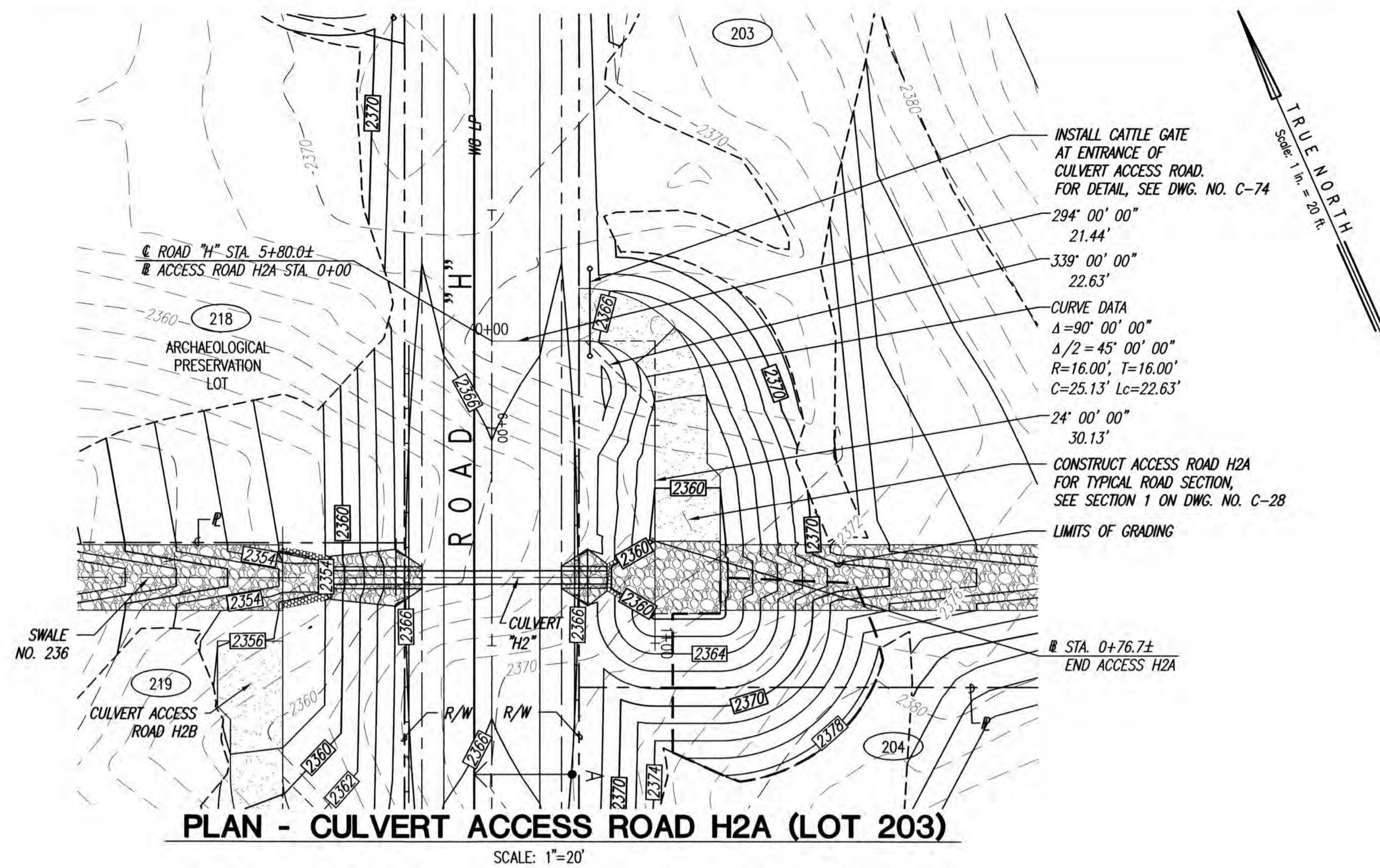
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1286 Queen Emma Street, Third Floor Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
 KEOKEA & WAIOHULI, MAKAWAO, MAUI
 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
 TAX MAP KEYS: (2) 2-2-002-014 AND (2) 2-2-033-023

PLAN AND PROFILE CULVERT ACCESS ROAD "H" (A & B) - BASE BID		
DRAWN BY: JSO	ENGINEER: JSO, F.J.C.	CHECKED BY: AMM

FILE	POCKET	FOLDER	NO.



- LEGEND
- LIMITS OF GRADING
 - - - 2500 EXISTING GROUND CONTOUR
 - [2450] FINISH GRADE CONTOUR
 - PROPERTY LINE
 - GUARDRAIL
 - CATTLE GATE
 - NEW WATER LINE
 - ←○→ TYPE "A" SERVICE LATERAL
 - TYPE "A-1" SERVICE LATERAL
 - (216) LOT NUMBER

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1286 Queen Emma Street, Third Floor Honolulu, Hawaii

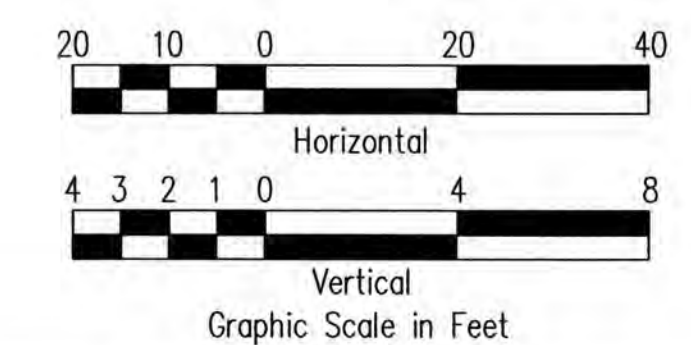
KEOKEA-WAIOHULI DEVELOPMENT
 PHASE 2B
 KEOKEA & WAIOHULI, MAKAWAO, MAUI
 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
 TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

PLAN AND PROFILE
 CULVERT ACCESS ROAD "H2"
 (A & B) - BASE BID

DRAWN BY: JSO ENGINEER: JSO, FJC CHECKED BY: AMM

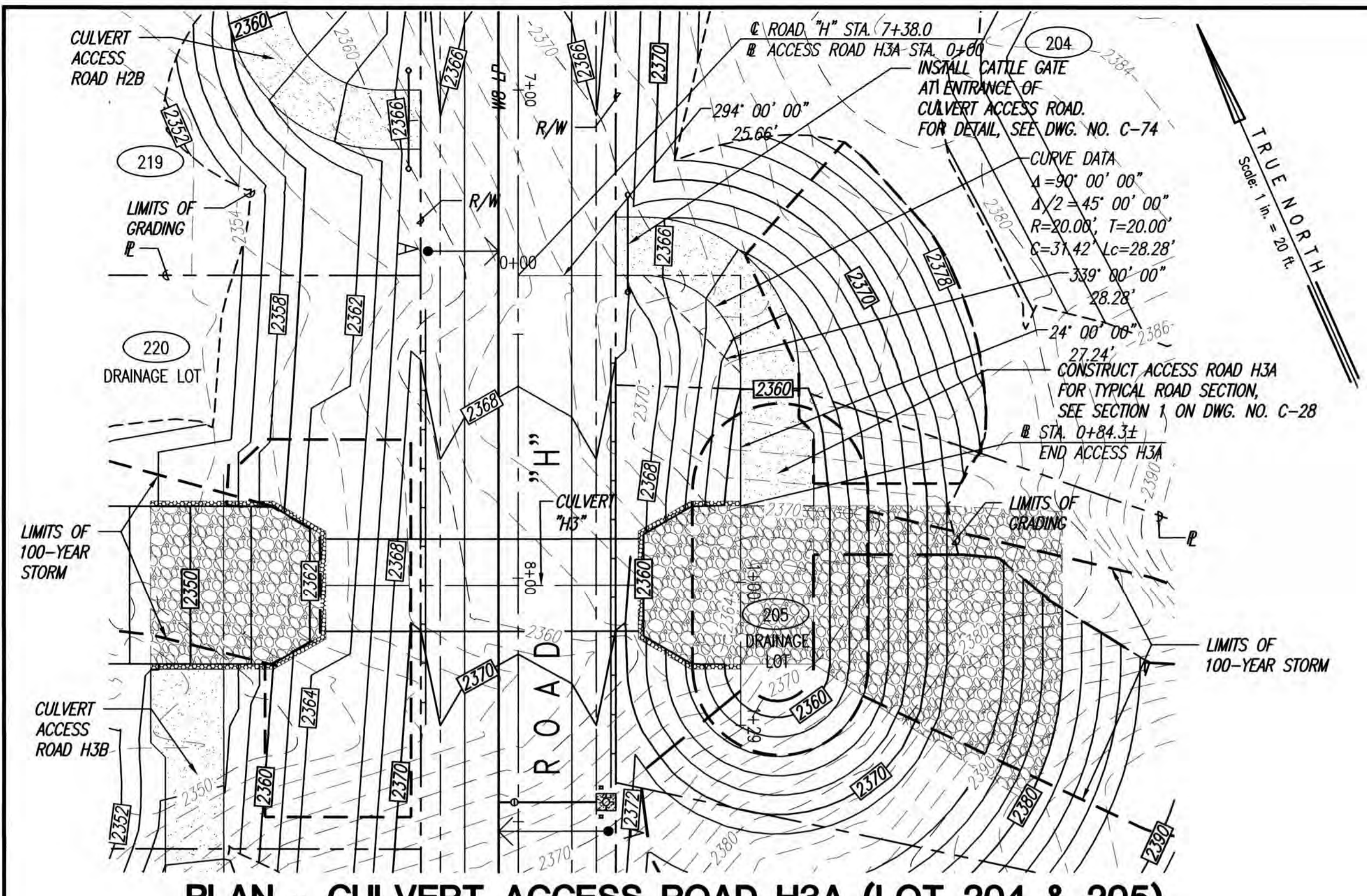


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26



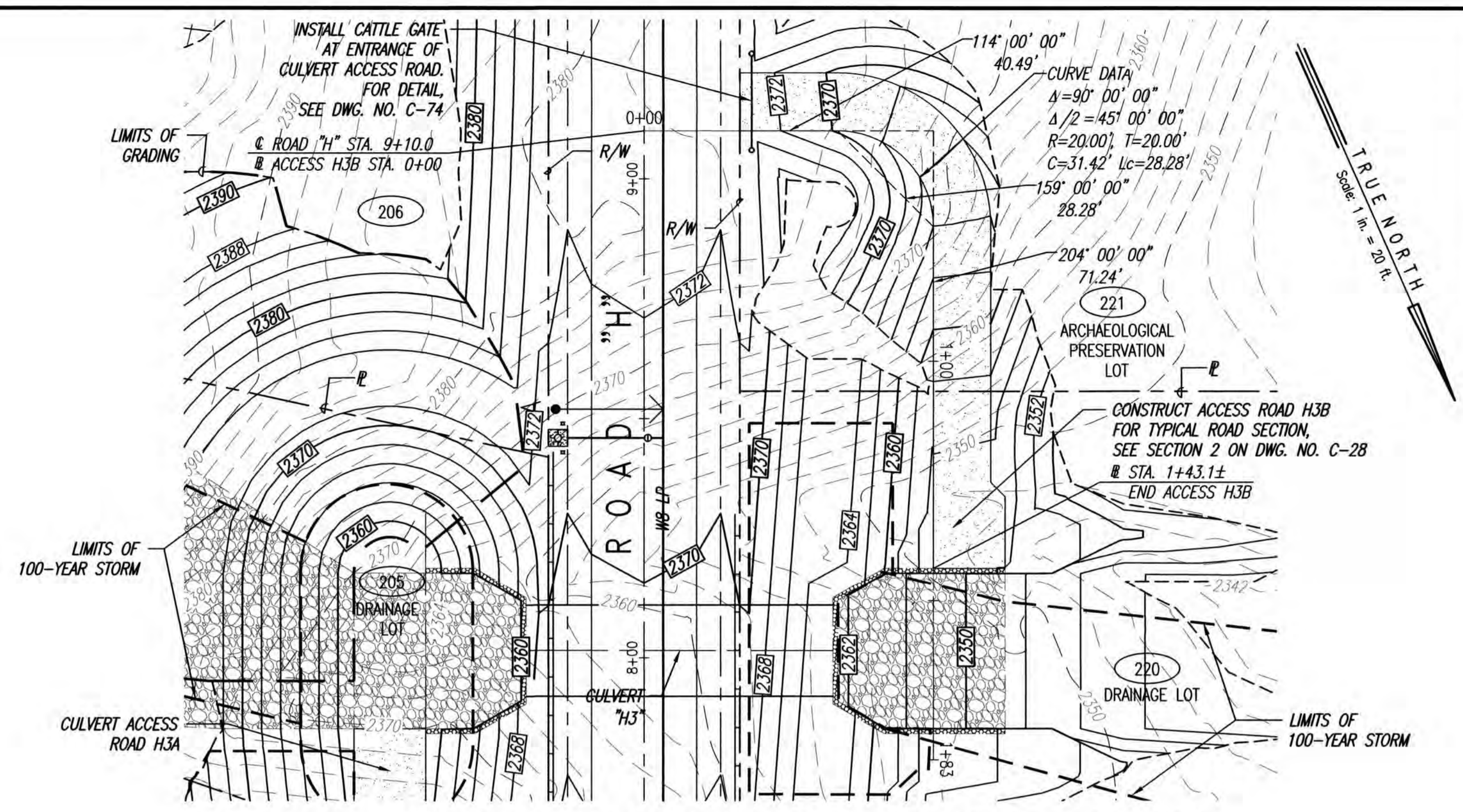
BASE BID

FILE	POCKET	FOLDER	NO.



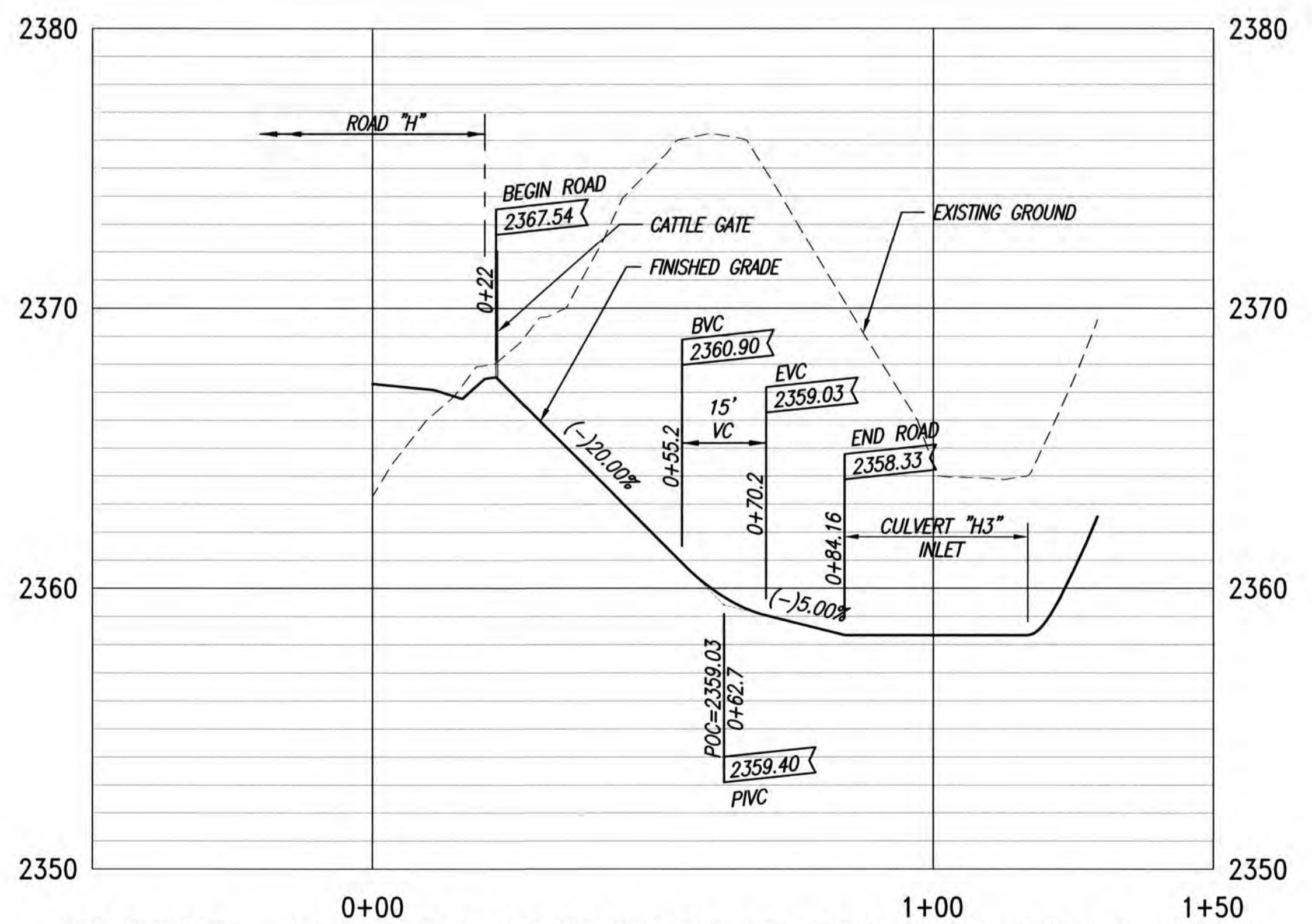
PLAN - CULVERT ACCESS ROAD H3A (LOT 204 & 205)

SCALE: 1"=20'



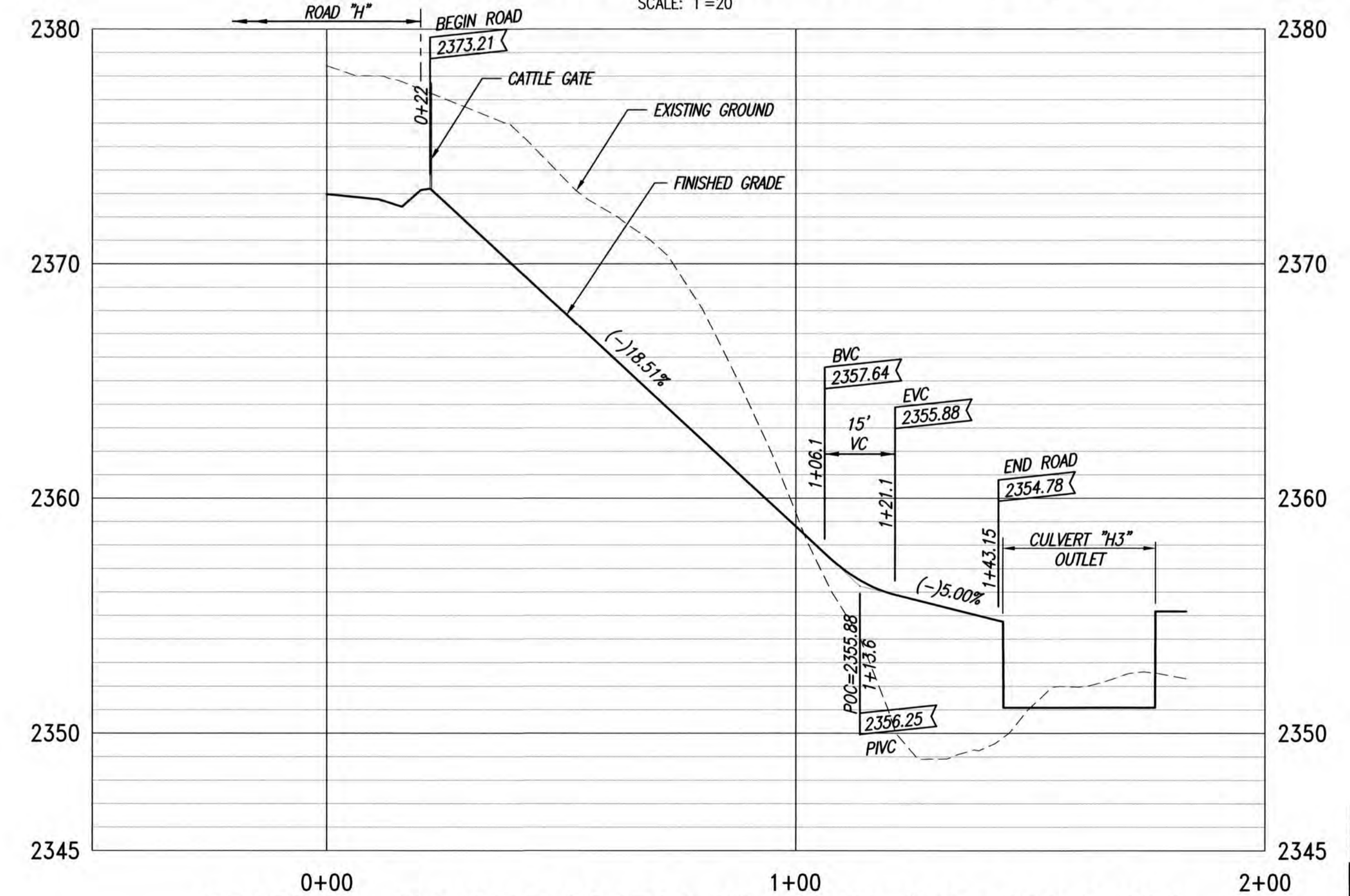
PLAN - CULVERT ACCESS ROAD H3B (LOT 220 & 221)

SCALE: 1"=20'



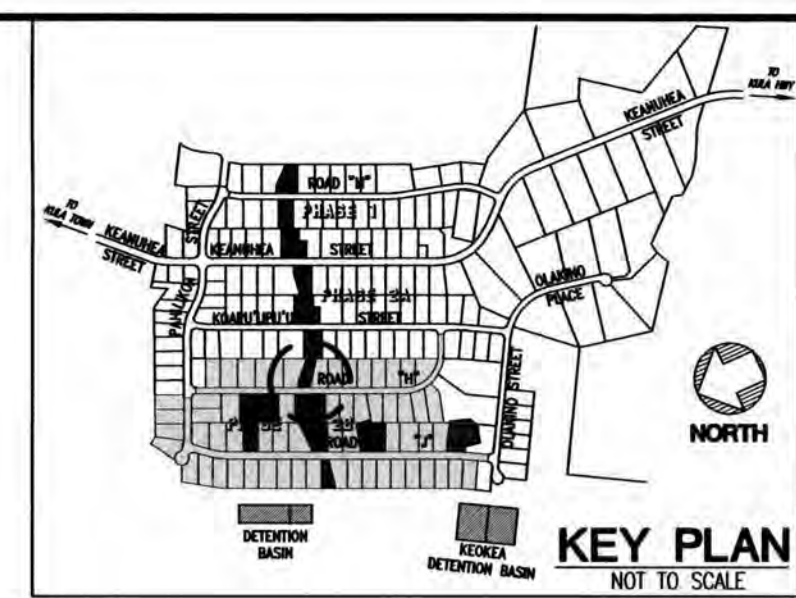
PROFILE - CULVERT ACCESS ROAD H3A (LOT 204 & 205)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'



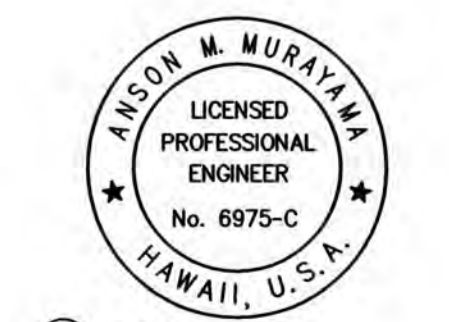
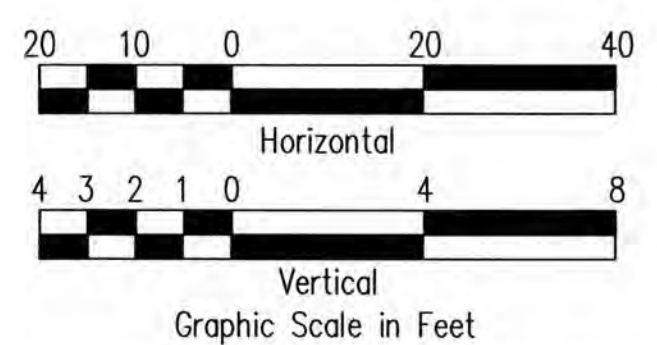
PROFILE - CULVERT ACCESS ROAD H3B (LOT 220 & 221)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'



- LEGEND**
- LIMITS OF GRADING
 - - - - - EXISTING GROUND CONTOUR
 - [2450] --- FINISH GRADE CONTOUR
 - PROPERTY LINE
 - - - - - LIMITS OF 100-YEAR STORM
 - - - - - GUARDRAIL
 - CATTLE GATE
 - WB — NEW WATER LINE
 - ◁ — ▷ TYPE "A" SERVICE LATERAL
 - ┆ ┆ ┆ TYPE "A-1" SERVICE LATERAL
 - 216 LOT NUMBER

BASE BID



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

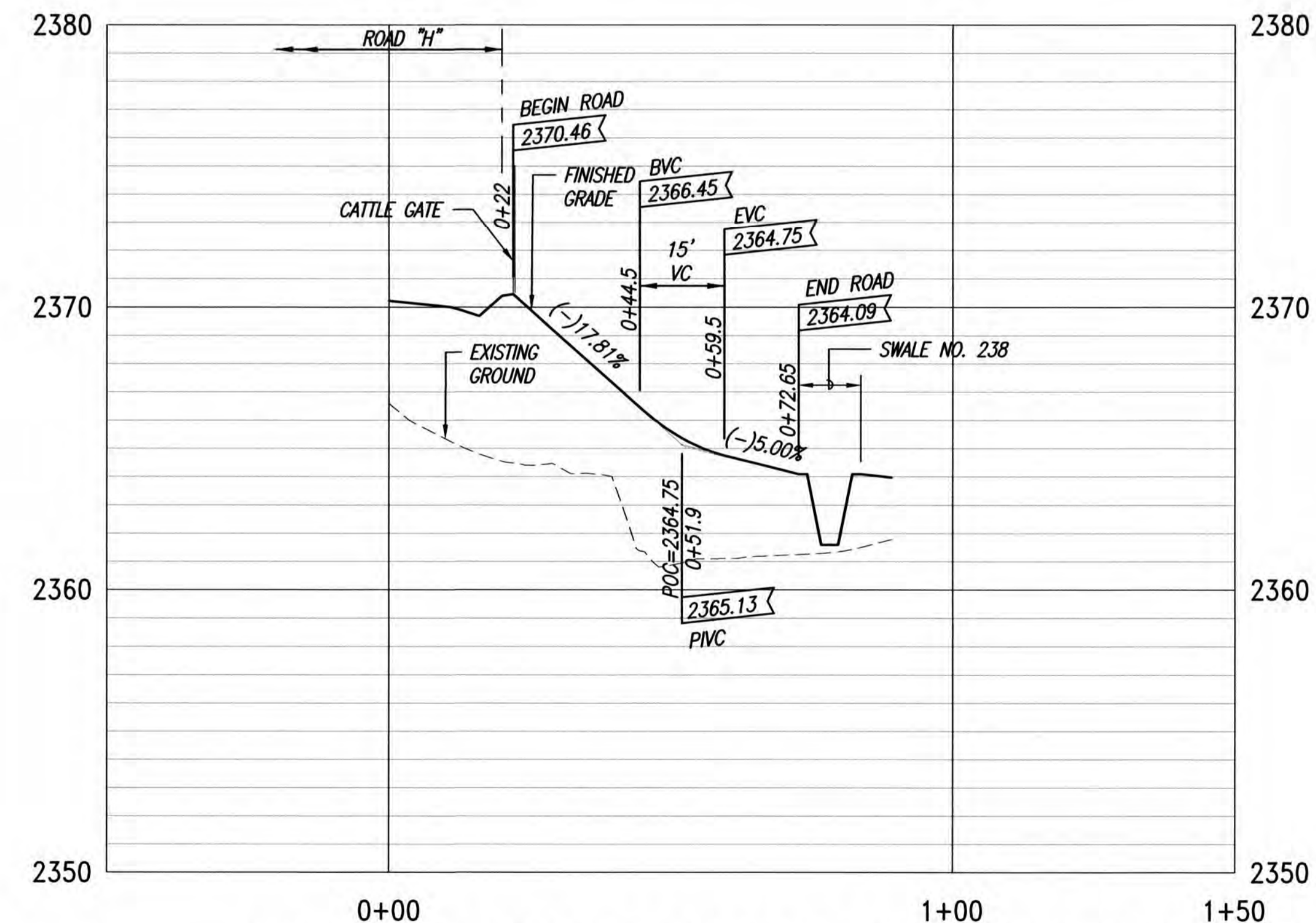
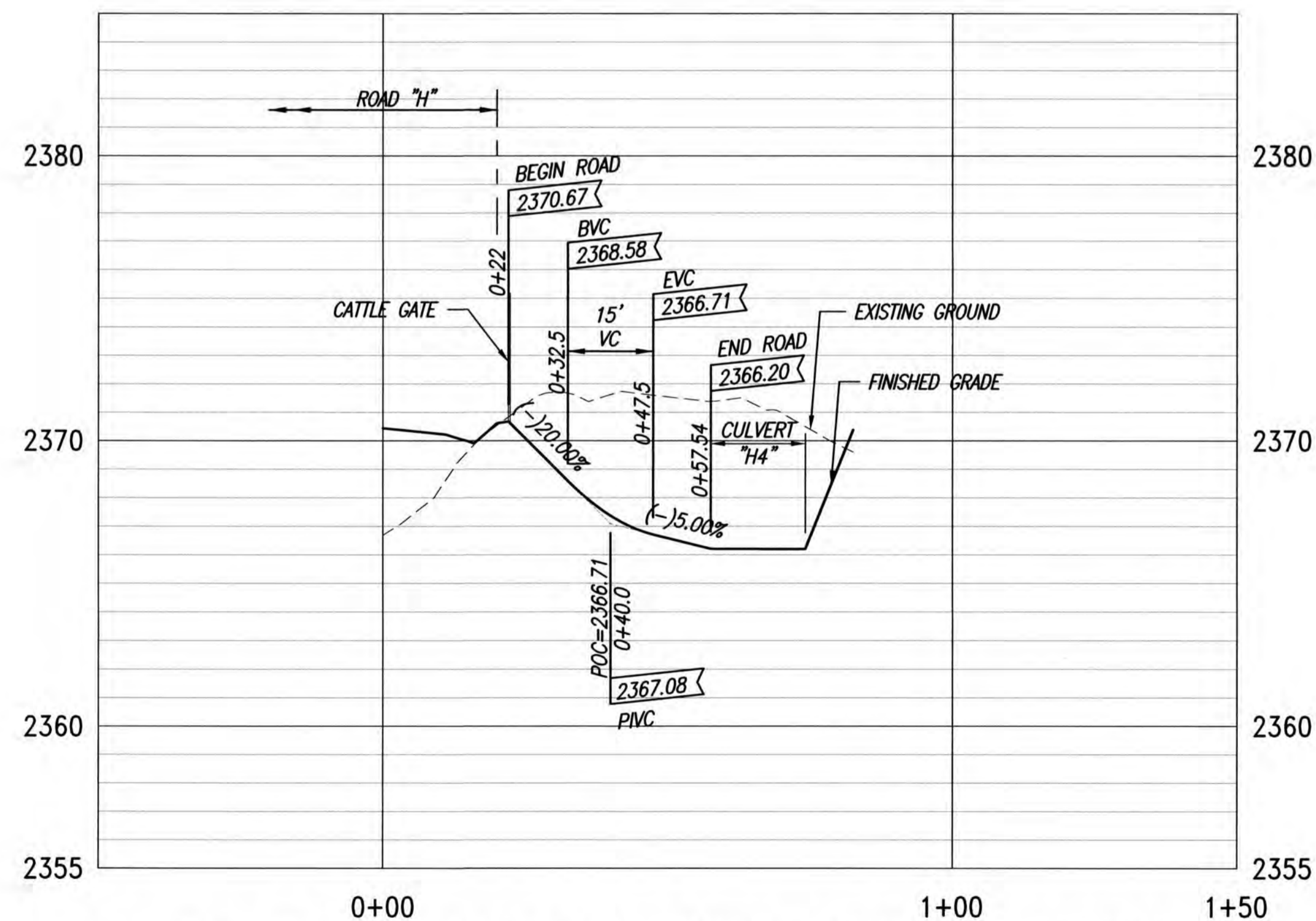
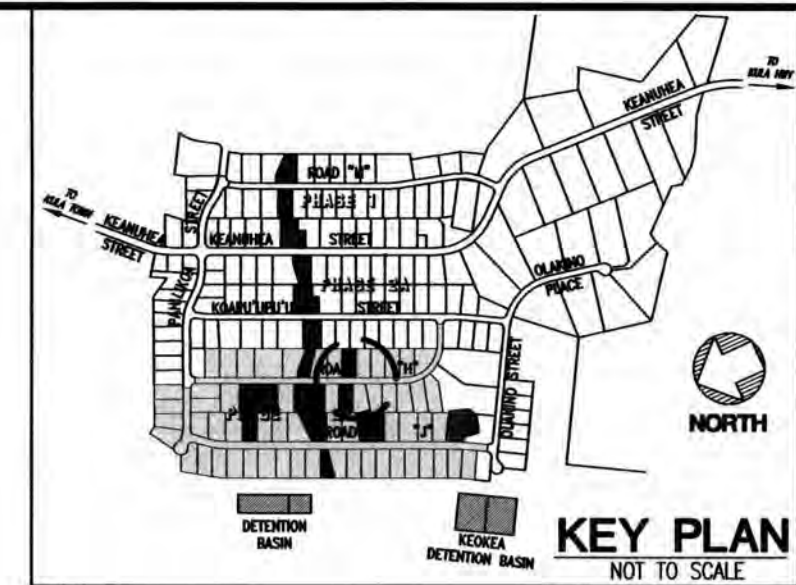
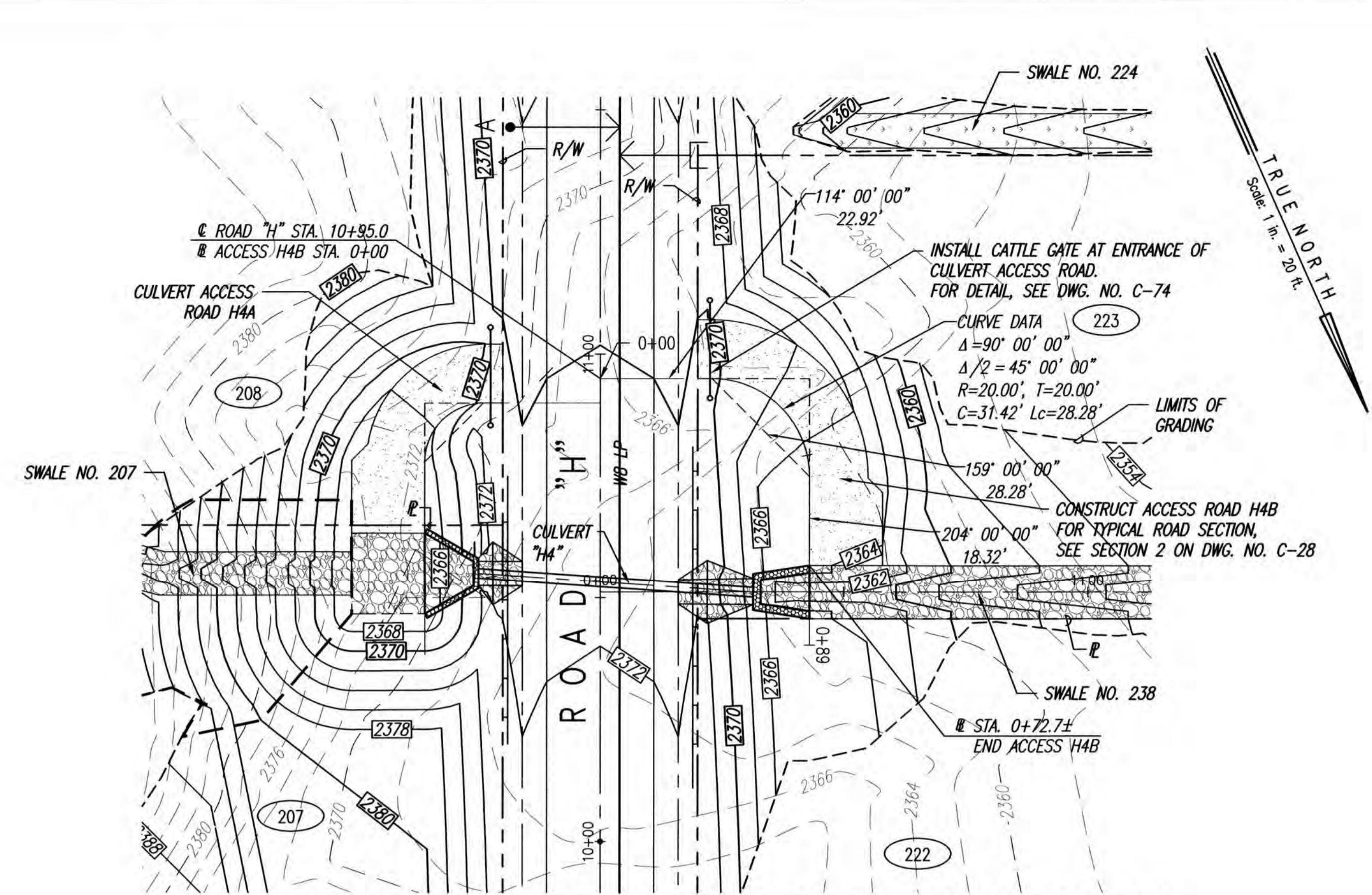
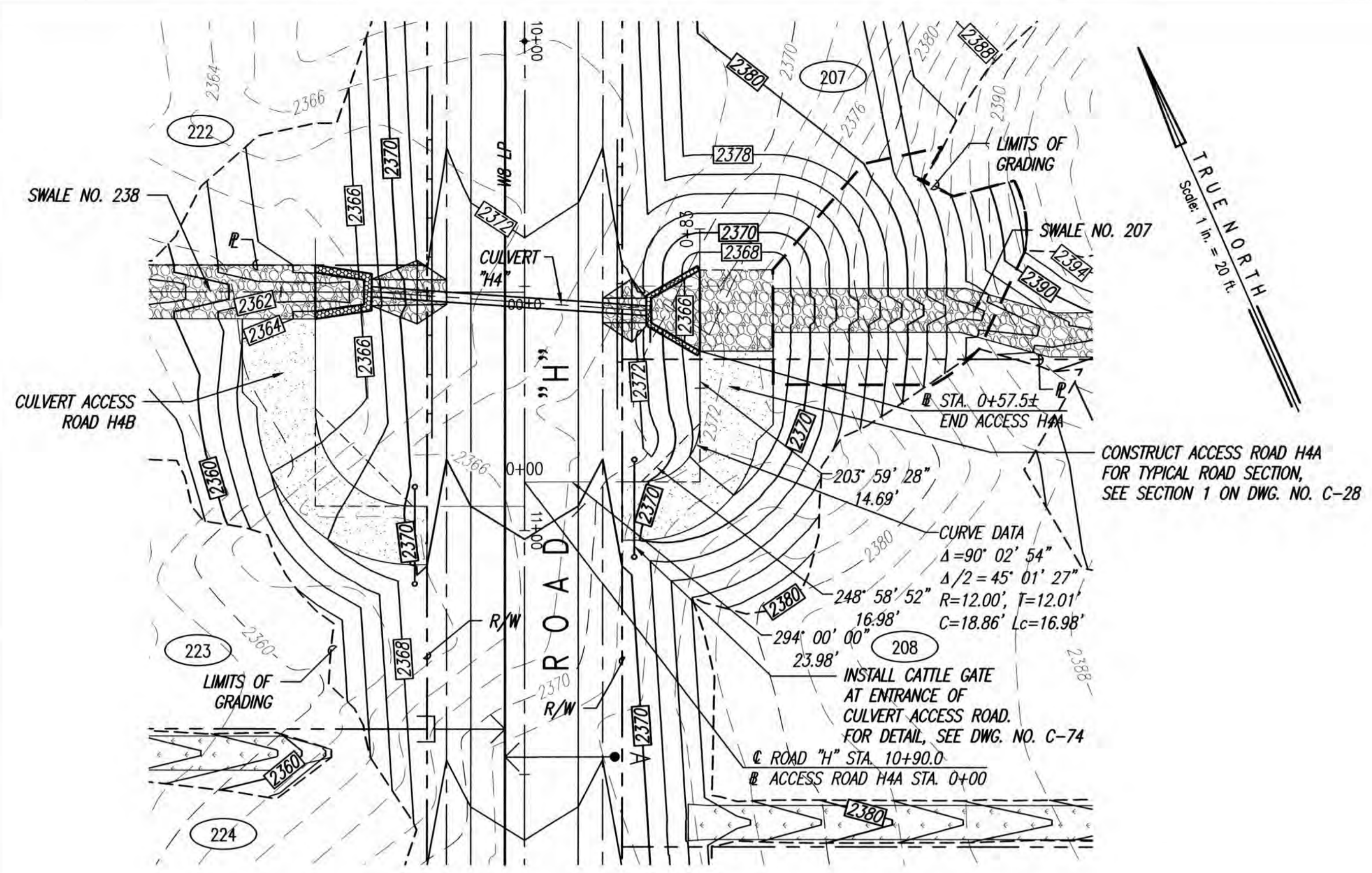
Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1286 Queen Emma Street, Third Floor, Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
 KEOKEA & WAIOHULI, MAKAWAO, MAUI
 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
 TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

PLAN AND PROFILE CULVERT ACCESS ROAD "H3" (A & B) - BASE BID

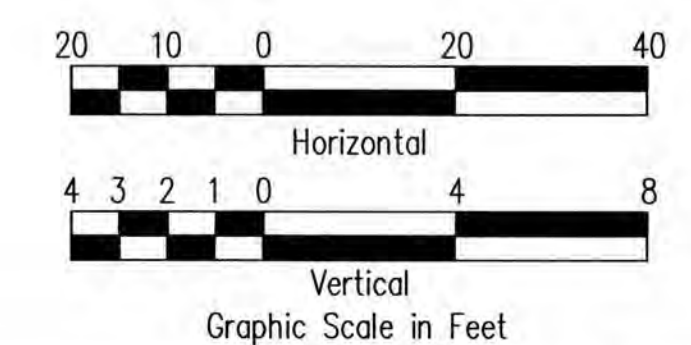
DRAWN BY: JSO ENGINEER: JSO, FJC CHECKED BY: AMM

FILE	POCKET	FOLDER	NO.



- LEGEND
- LIMITS OF GRADING
 - - - EXISTING GROUND CONTOUR
 - FINISH GRADE CONTOUR
 - PROPERTY LINE
 - GUARDRAIL
 - CATTLE GATE
 - NEW WATER LINE
 - ◀ — TYPE "A" SERVICE LATERAL
 - ▶ — TYPE "A-1" SERVICE LATERAL
 - ② 216 LOT NUMBER

BASE BID



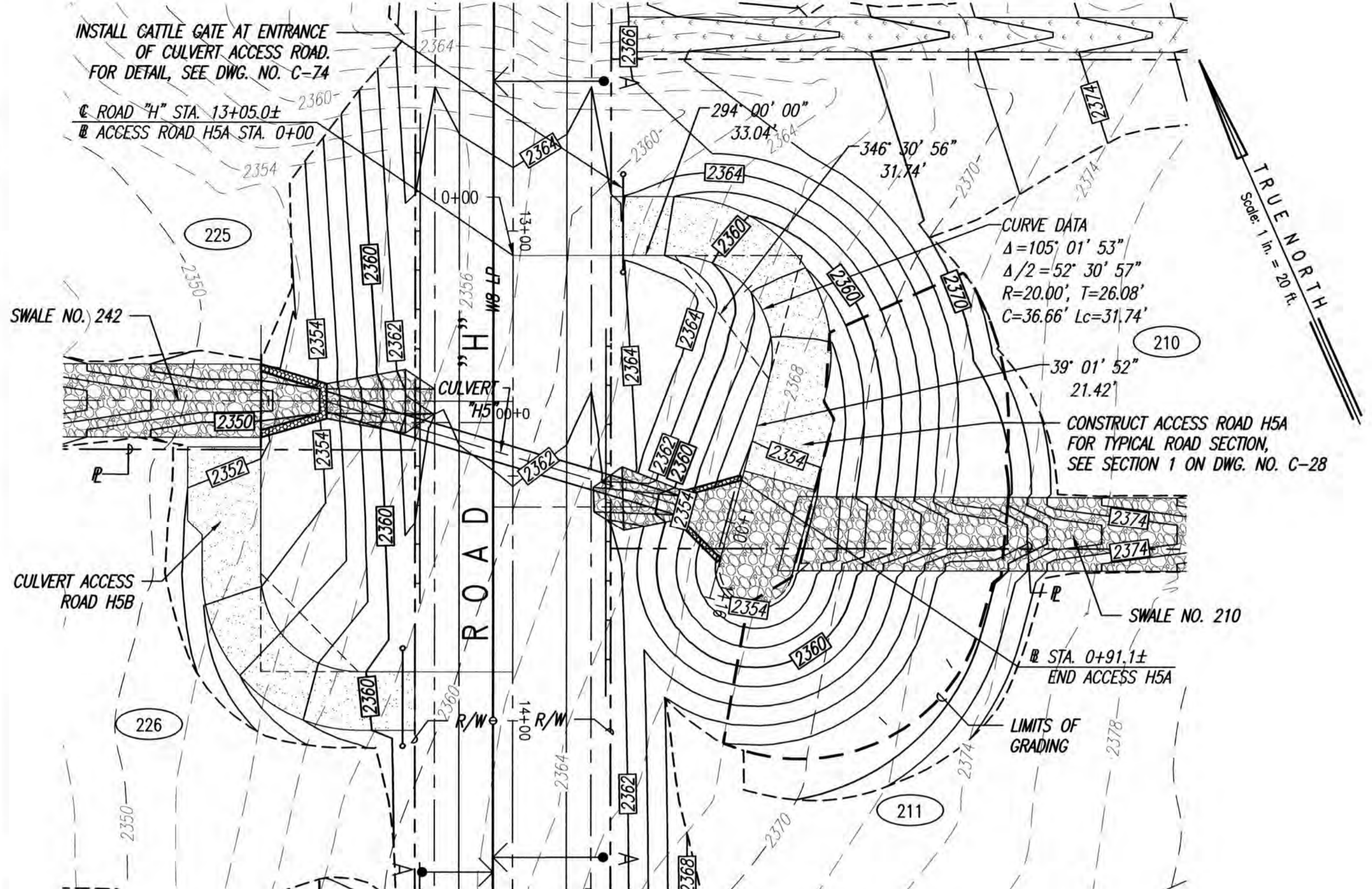
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1286 Queen Emma Street, Third Floor Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT
 PHASE 2B
 KEOKEA & WAIOHULI, MAKAWAO, MAUI
 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
 TAX MAP KEYS: (2) 2-2-002-014 AND (2) 2-2-033-023

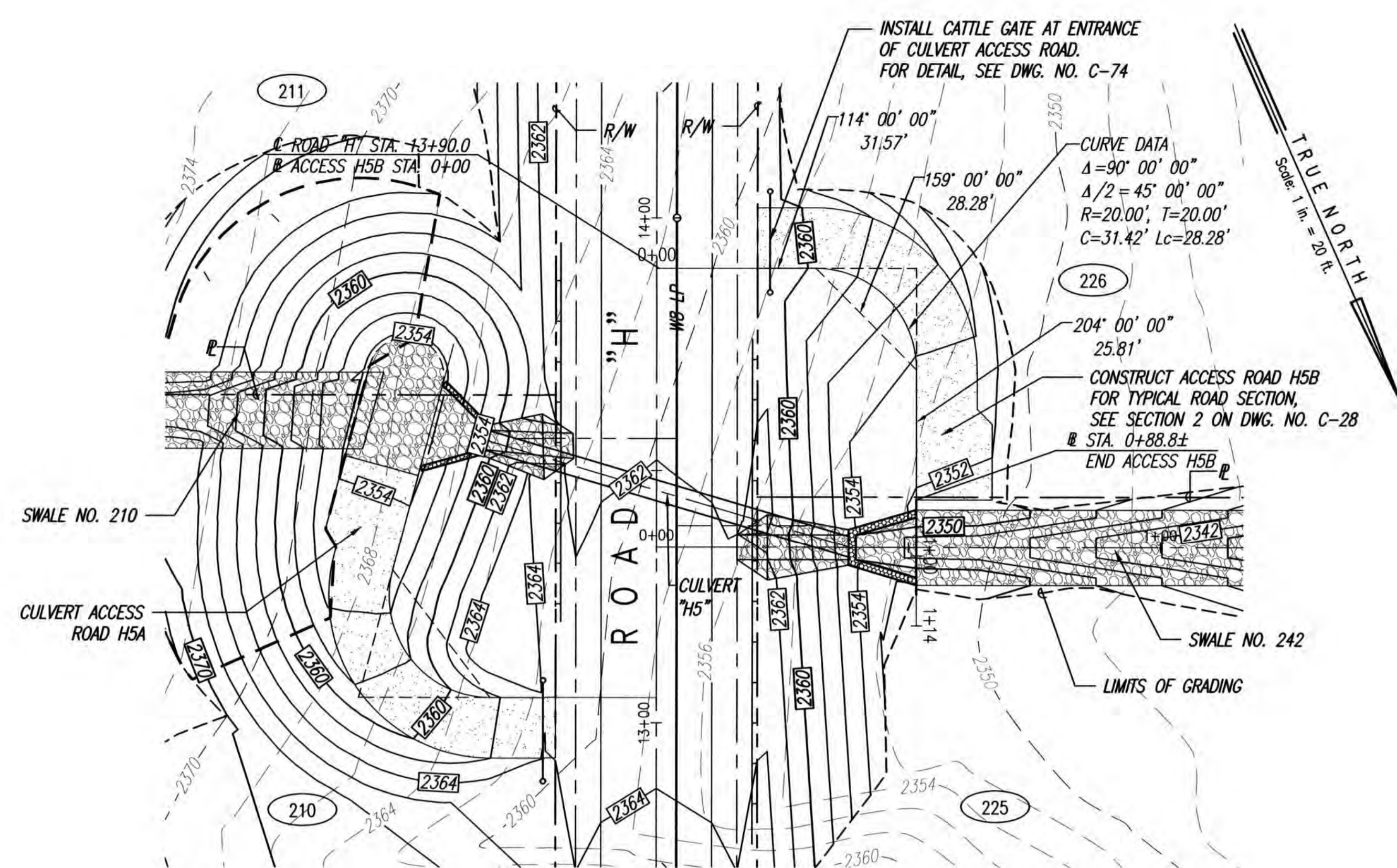
PLAN AND PROFILE
 CULVERT ACCESS ROAD "H4"
 (A & B) - BASE BID

DRAWN BY: JSO ENGINEER: JSO, FJC CHECKED BY: AMM



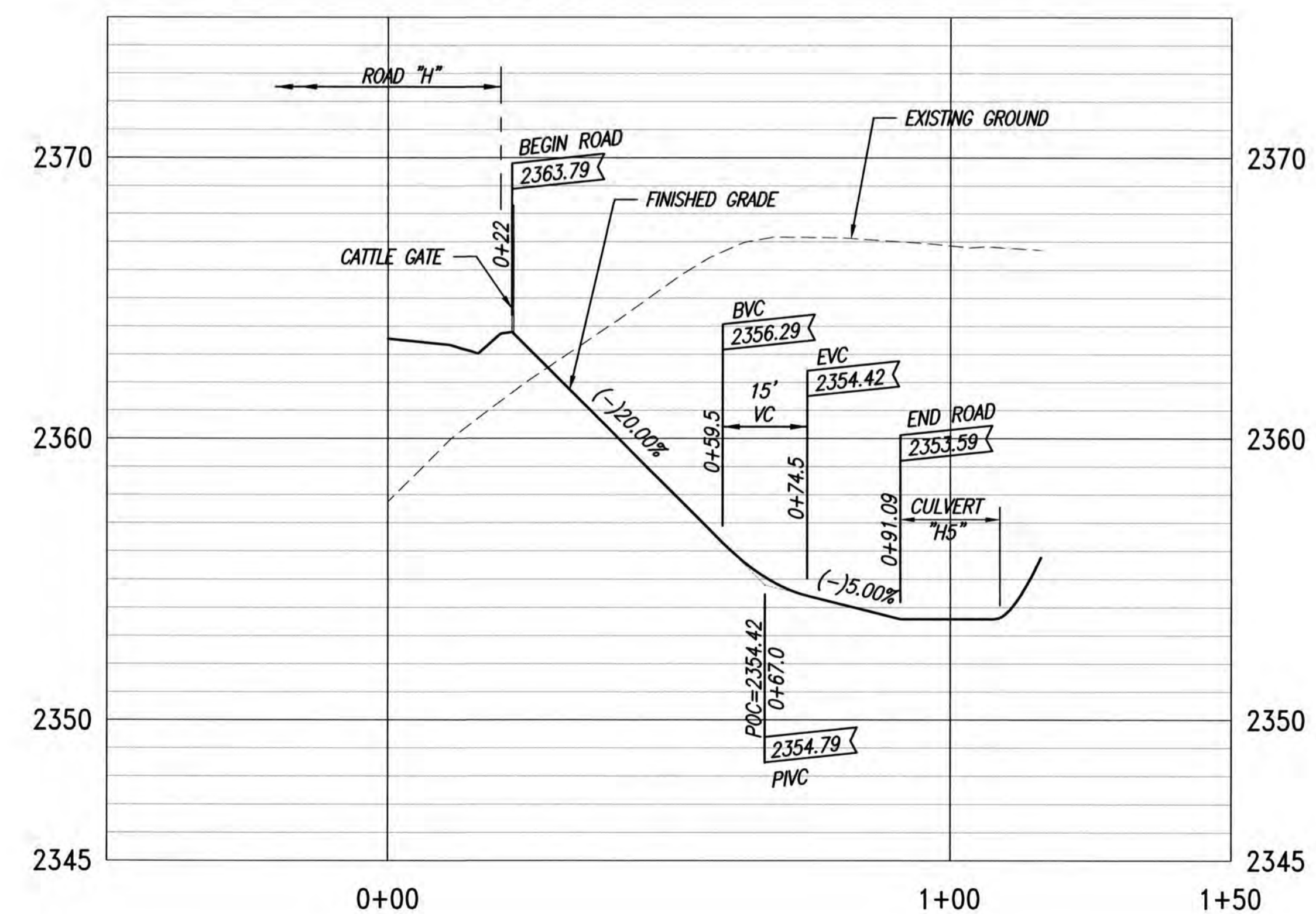
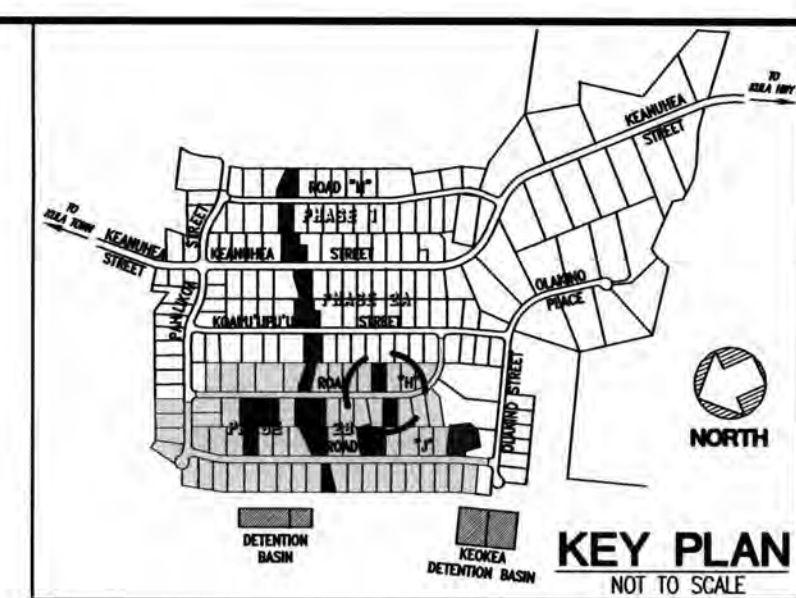
PLAN - CULVERT ACCESS ROAD H5A (LOT 210)

SCALE: 1"=20'



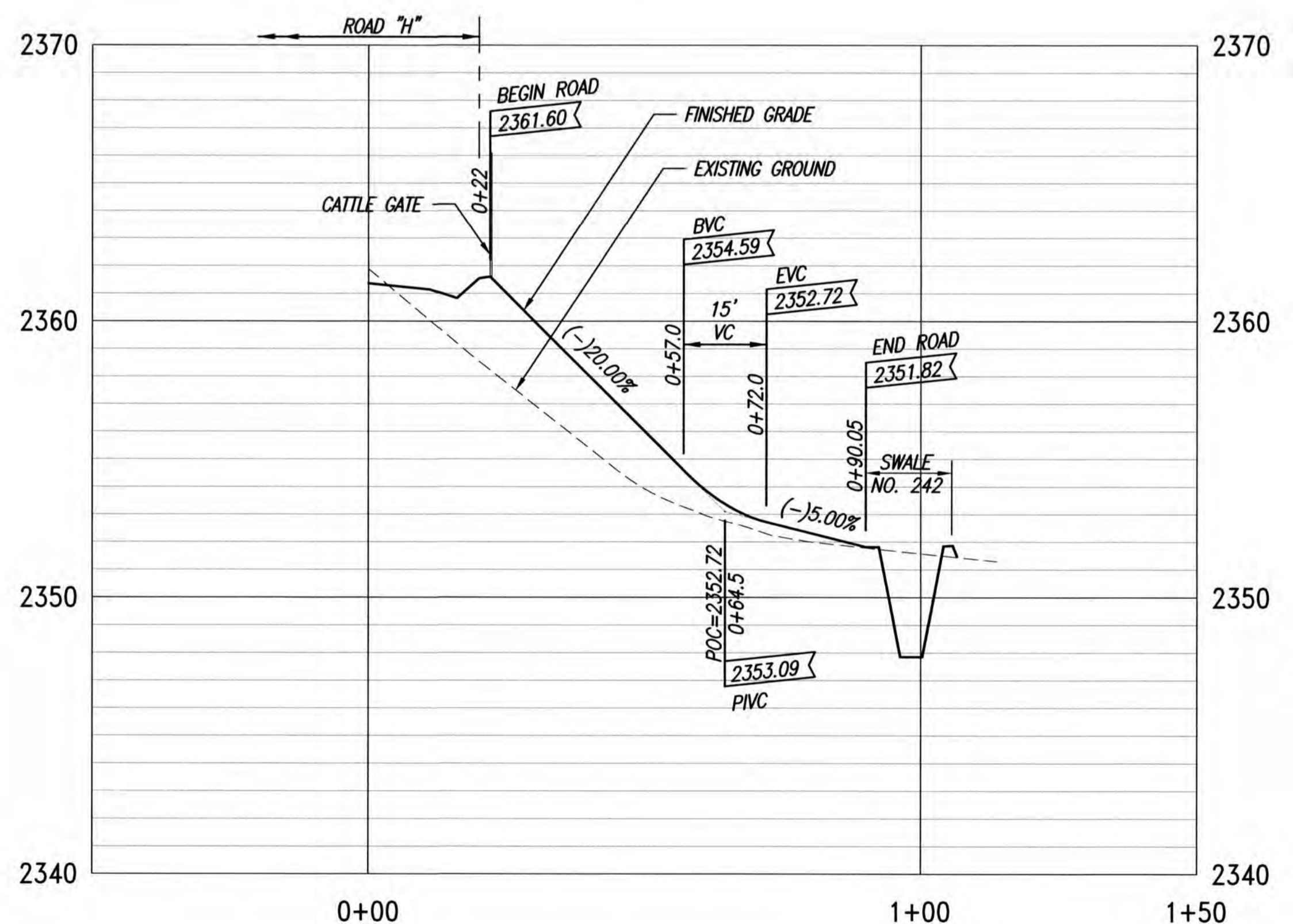
PLAN - CULVERT ACCESS ROAD H5B (LOT 226)

SCALE: 1"=20'



PROFILE - CULVERT ACCESS ROAD H5A (LOT 210)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

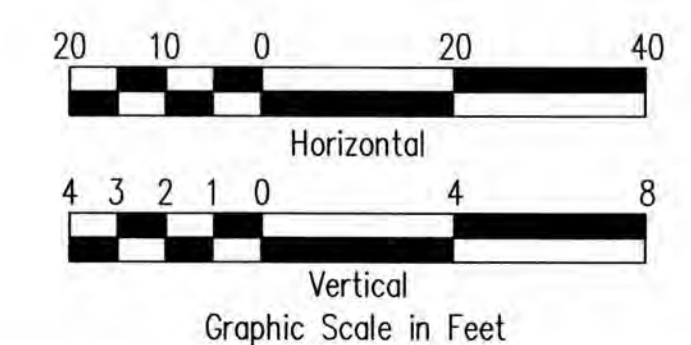


PROFILE - CULVERT ACCESS ROAD H5B (LOT 226)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

- LEGEND**
- LIMITS OF GRADING
 - - - - - 2500 --- EXISTING GROUND CONTOUR
 - 2450 --- FINISH GRADE CONTOUR
 - PROPERTY LINE
 - GUARDRAIL
 - CATTLE GATE
 - NB --- NEW WATER LINE
 - ←---→ TYPE "A" SERVICE LATERAL
 - TYPE "A-1" SERVICE LATERAL
 - 216 --- LOT NUMBER

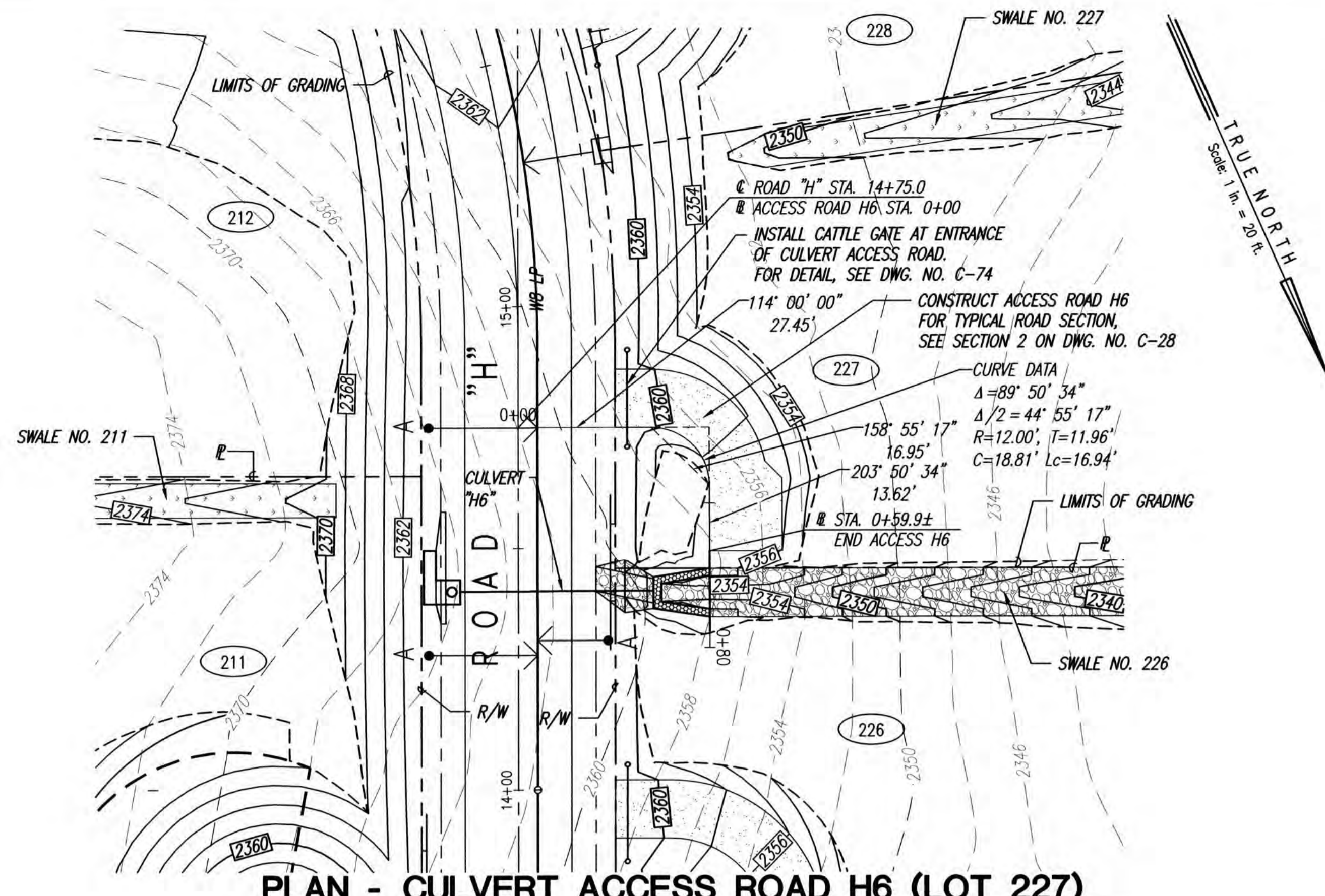
BASE BID



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

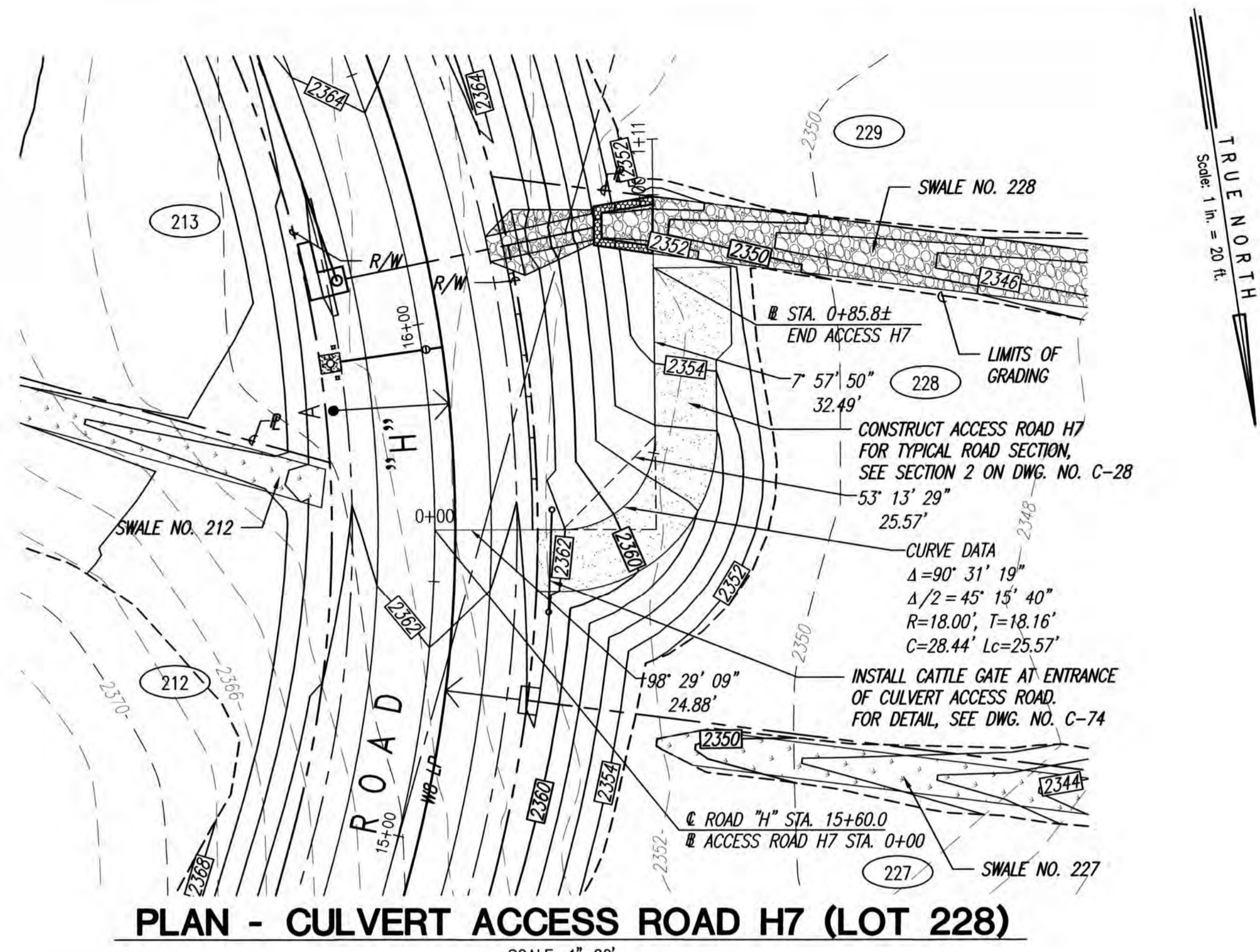
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
<p>Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1286 Queen Emma Street, Third Floor Honolulu, Hawaii</p>			
<p>KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B KEOKEA & WAIOHULI, MAKAWAO, MAUI OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: (2) 2-2-002-014 AND (2) 2-2-033-023</p>			
<p>PLAN AND PROFILE CULVERT ACCESS ROAD 'H5' (A & B) - BASE BID</p>			
DRAWN BY: J50	ENGINEER: J50, FJC	CHECKED BY: AMM	

FILE	POCKET	FOLDER	NO.
------	--------	--------	-----



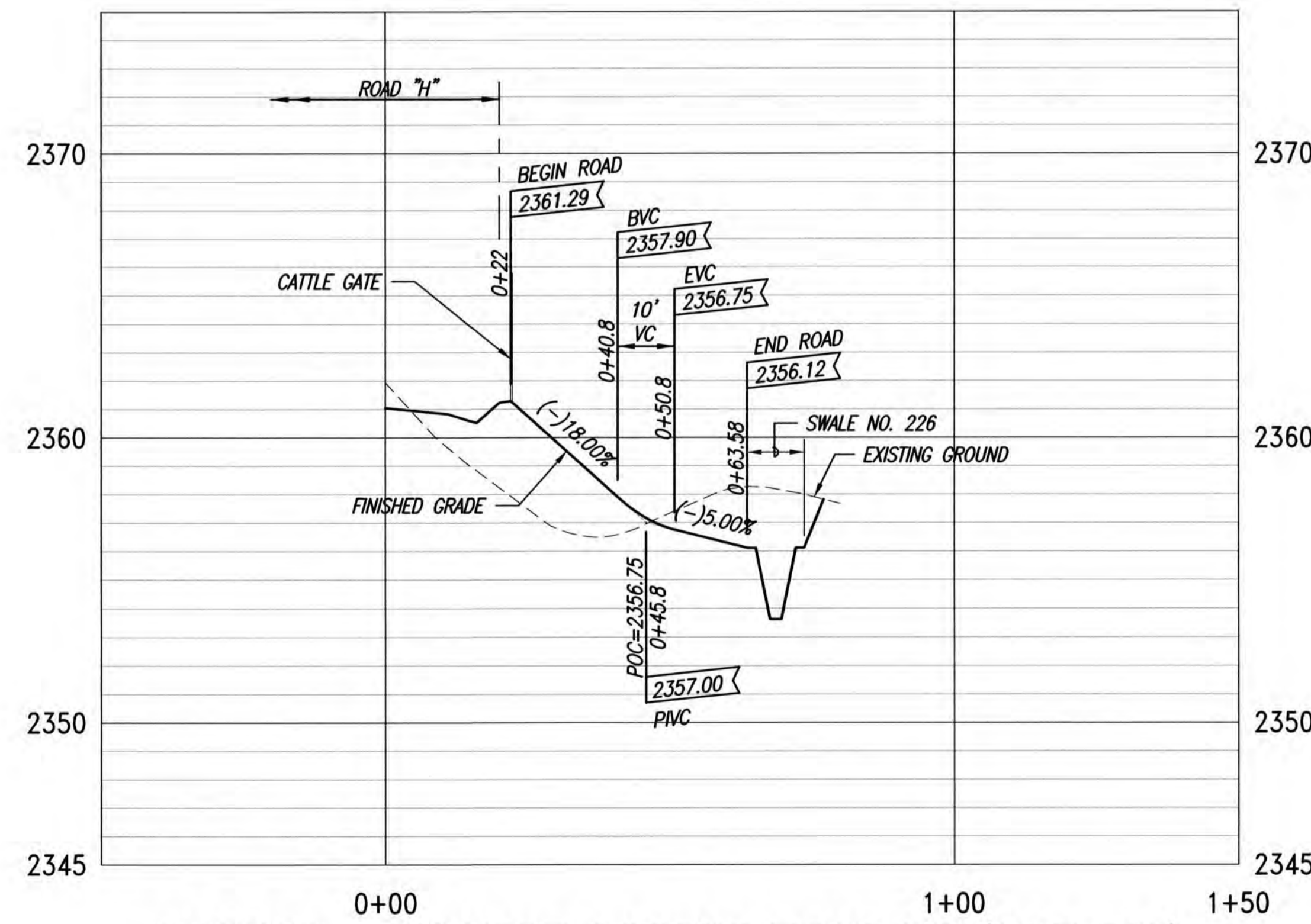
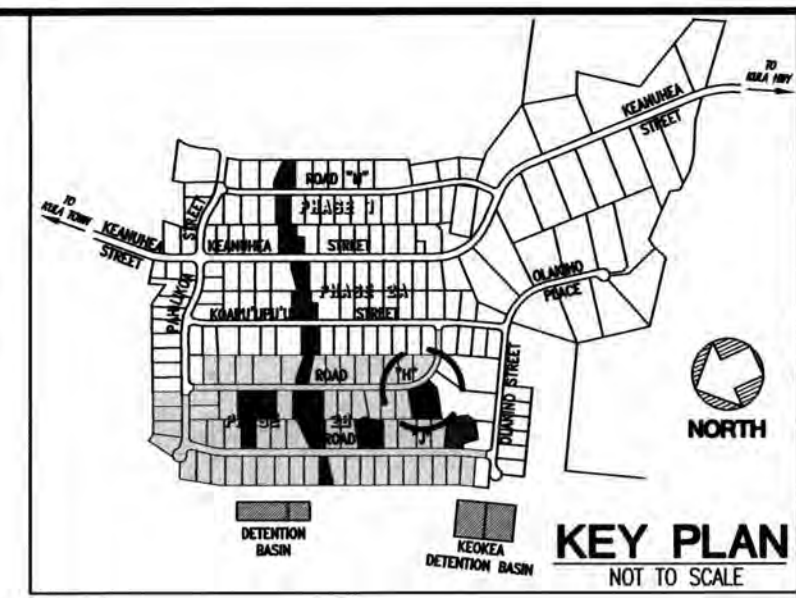
PLAN - CULVERT ACCESS ROAD H6 (LOT 227)

SCALE: 1"=20'



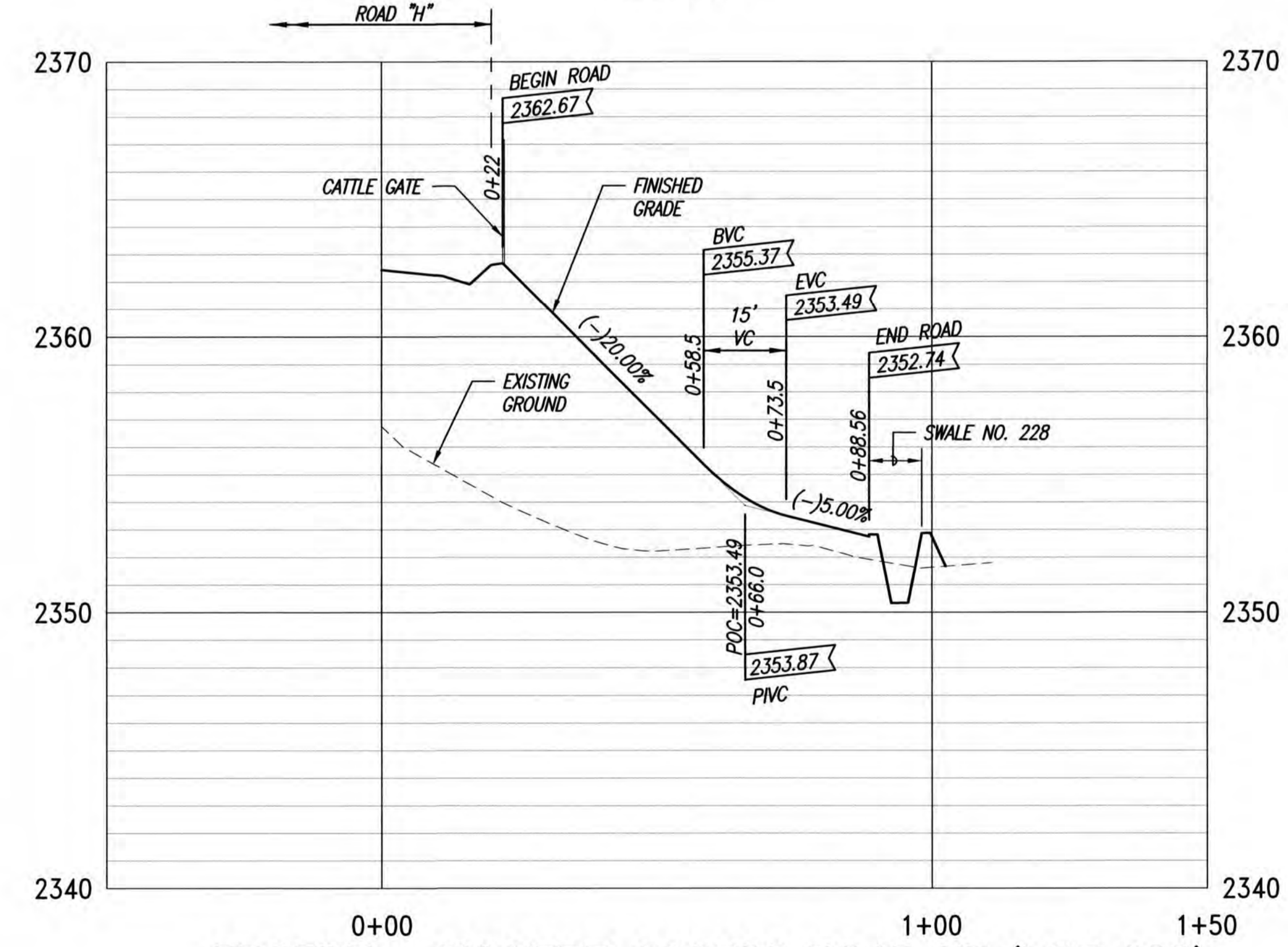
PLAN - CULVERT ACCESS ROAD H7 (LOT 228)

SCALE: 1"=20'



PROFILE - CULVERT ACCESS ROAD H6 (LOT 227)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

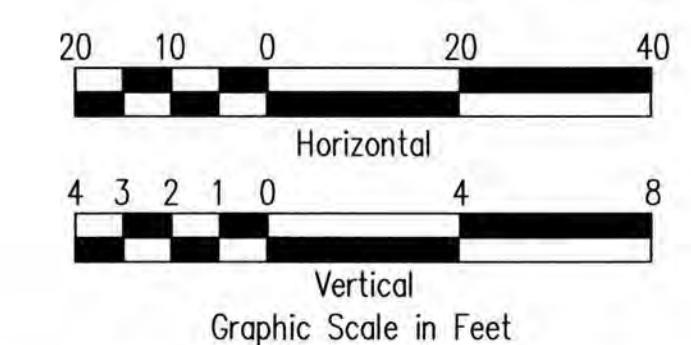


PROFILE - CULVERT ACCESS ROAD H7 (LOT 228)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

- LEGEND**
- LIMITS OF GRADING
 - - - - - EXISTING GROUND CONTOUR
 - [2450] — FINISH GRADE CONTOUR
 - PROPERTY LINE
 - GUARDRAIL
 - CATTLE GATE
 - WS — NEW WATER LINE
 - ◁ — ▷ TYPE "A" SERVICE LATERAL
 - ▷ — TYPE "A-1" SERVICE LATERAL
 - (216) LOT NUMBER

BASE BID



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

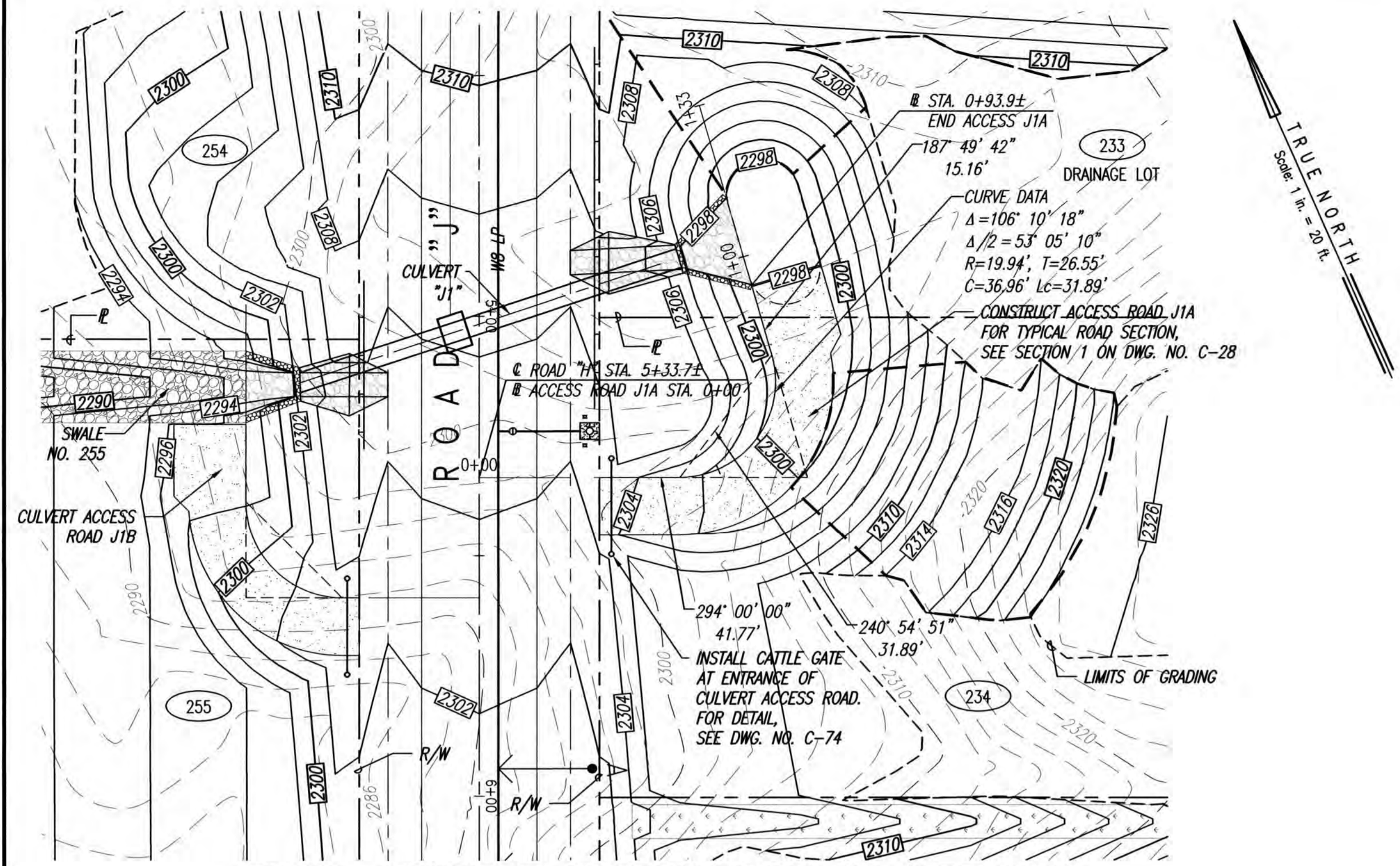
Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1286 Queen Emma Street, Third Floor Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
 KEOKEA & WAIOHULI, MAKAWAO, MAUI
 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
 TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

PLAN AND PROFILE CULVERT ACCESS ROADS "H6" & "H7" - BASE BID

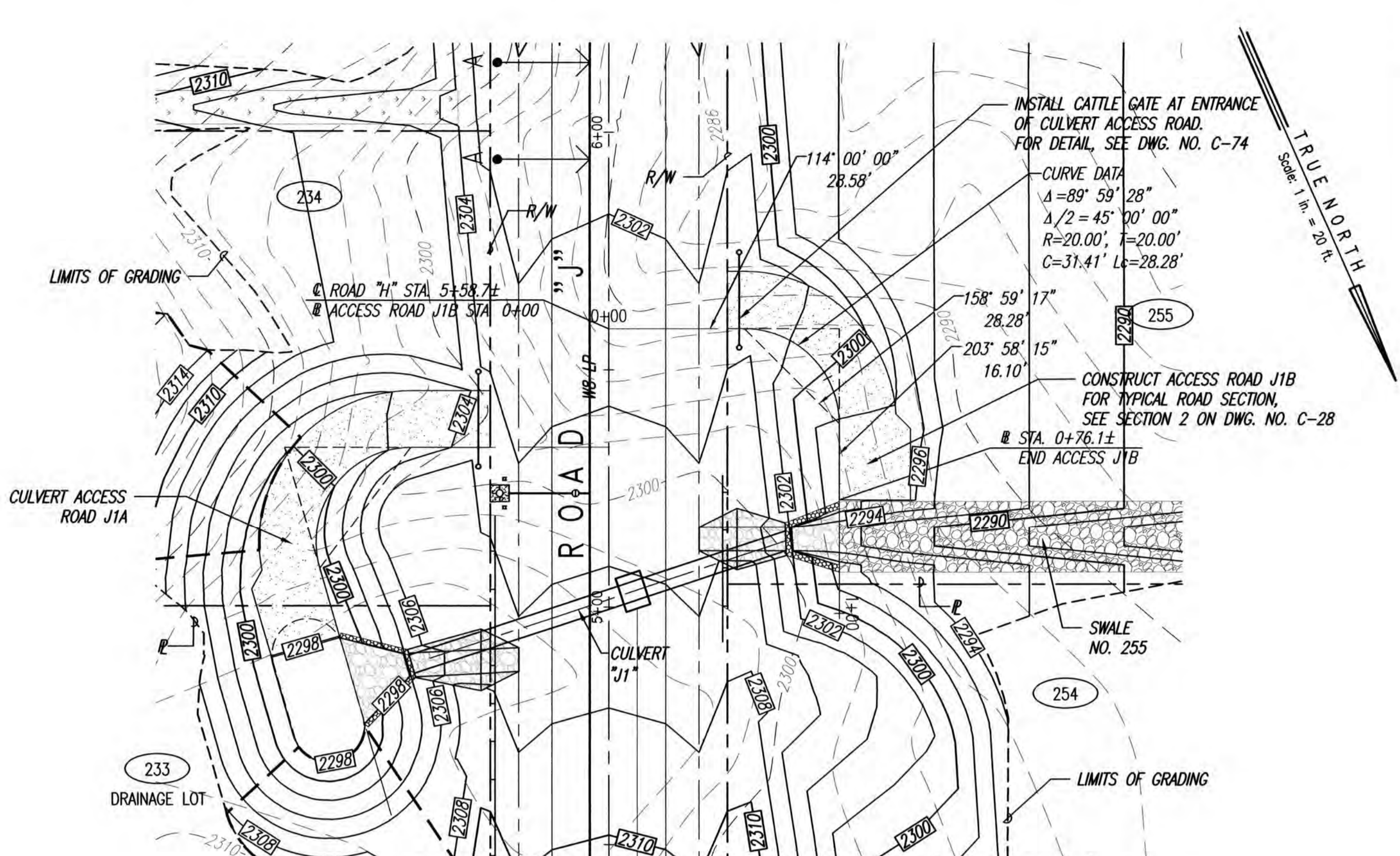
DRAWN BY: JSO	ENGINEER: JSO, FJC	CHECKED BY: AMM
---------------	--------------------	-----------------

FILE	POCKET	FOLDER	NO.



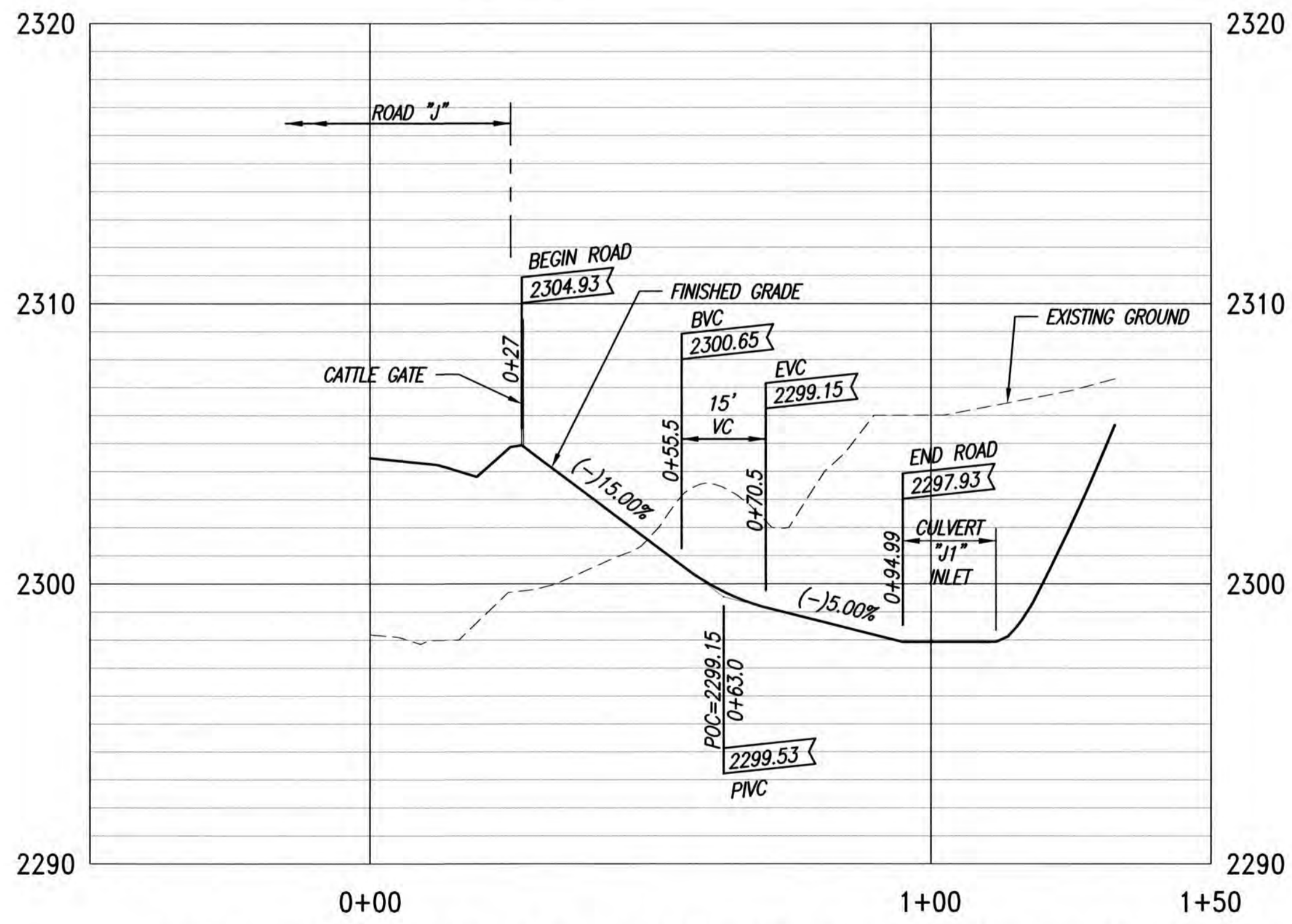
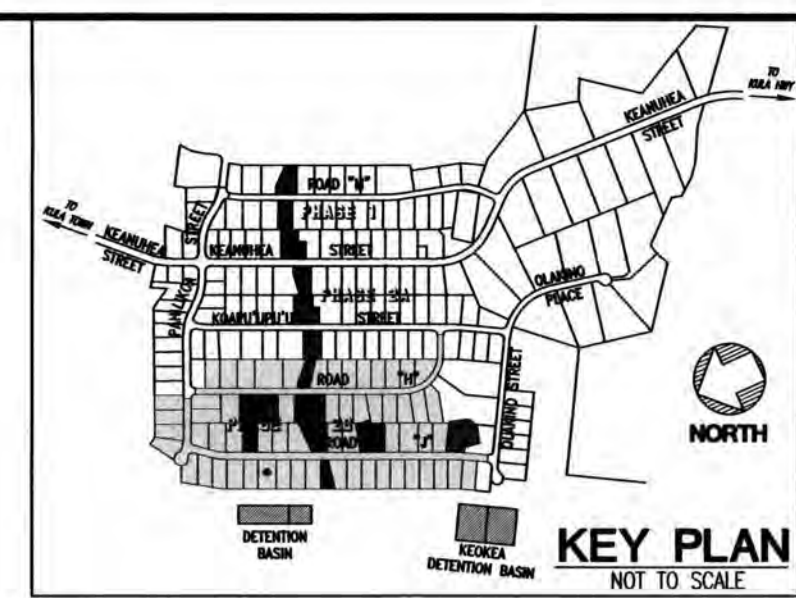
PLAN - CULVERT ACCESS ROAD J1A (LOT 234)

SCALE: 1"=20'



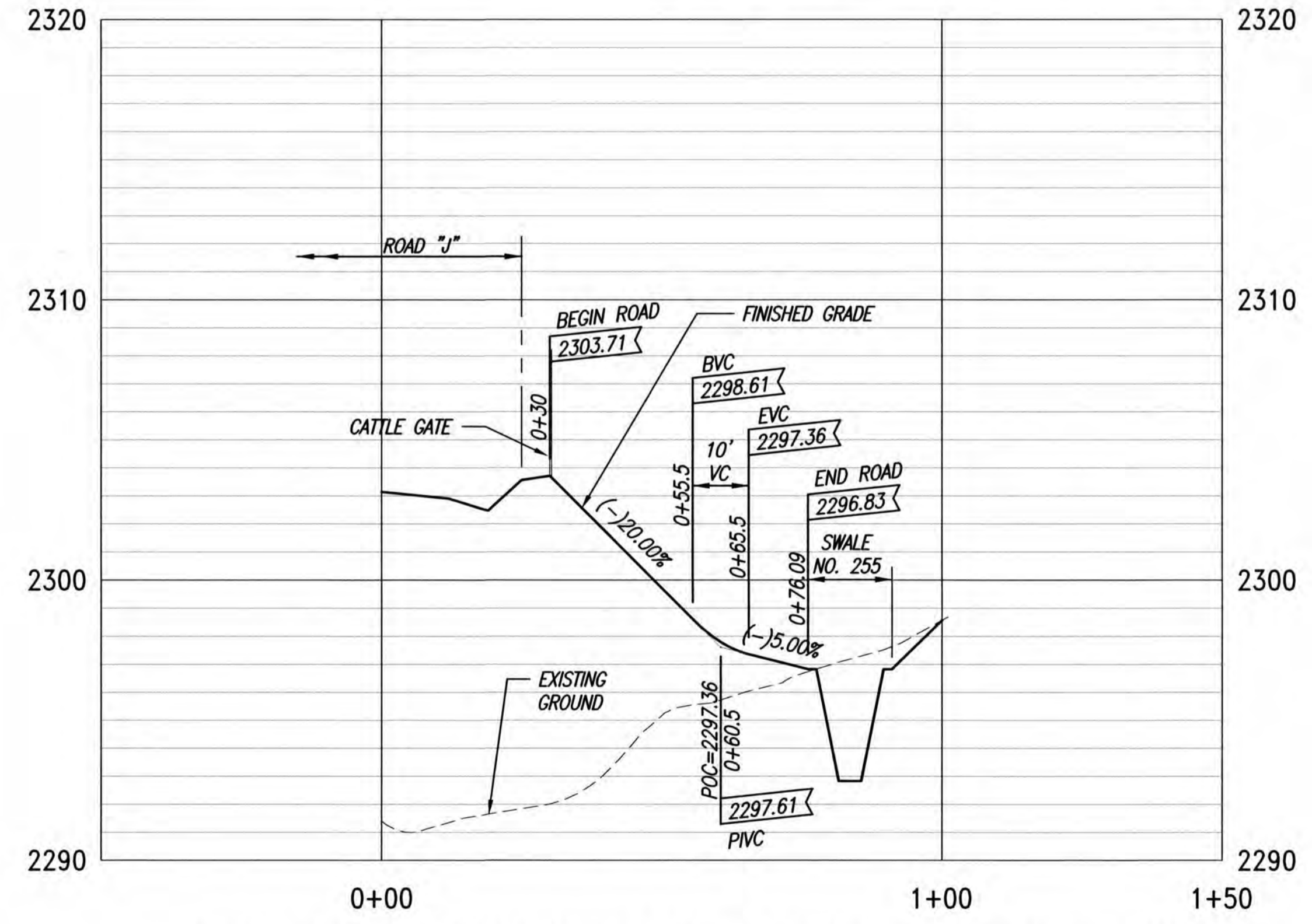
PLAN - CULVERT ACCESS ROAD J1B (LOT 255)

SCALE: 1"=20'



PROFILE - CULVERT ACCESS ROAD J1A (LOT 234)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

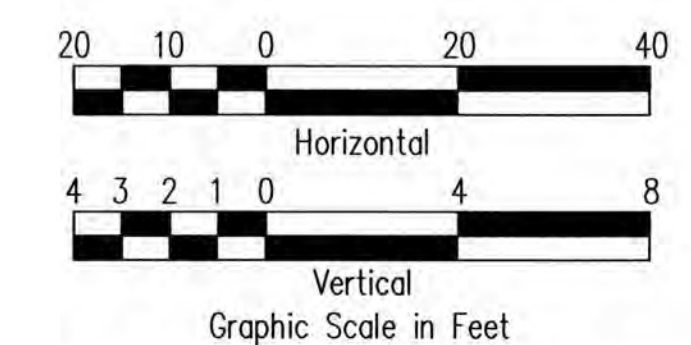


PROFILE - CULVERT ACCESS ROAD J1B (LOT 255)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

- LEGEND**
- LIMITS OF GRADING
 - - - - - EXISTING GROUND CONTOUR
 - 2500 — FINISH GRADE CONTOUR
 - 2450 — PROPERTY LINE
 - — — — — GUARDRAIL
 - — — — — CATTLE GATE
 - — — — — NEW WATER LINE
 - ← — — — — TYPE "A" SERVICE LATERAL
 - — — — — TYPE "A-1" SERVICE LATERAL
 - (216) LOT NUMBER

ADDITIVE ALTERNATE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

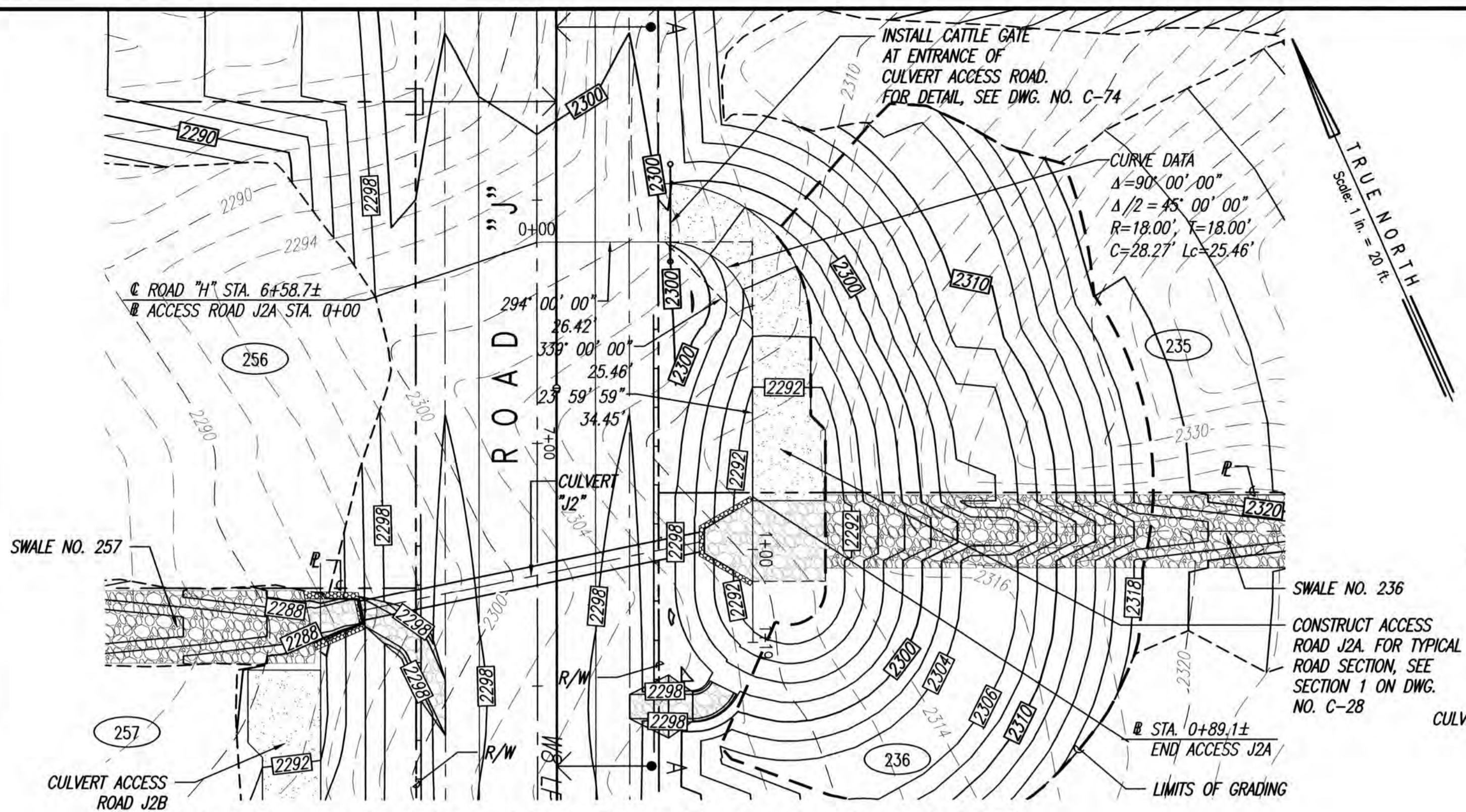
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1286 Queen Emma Street, Third Floor | Honolulu, Hawaii

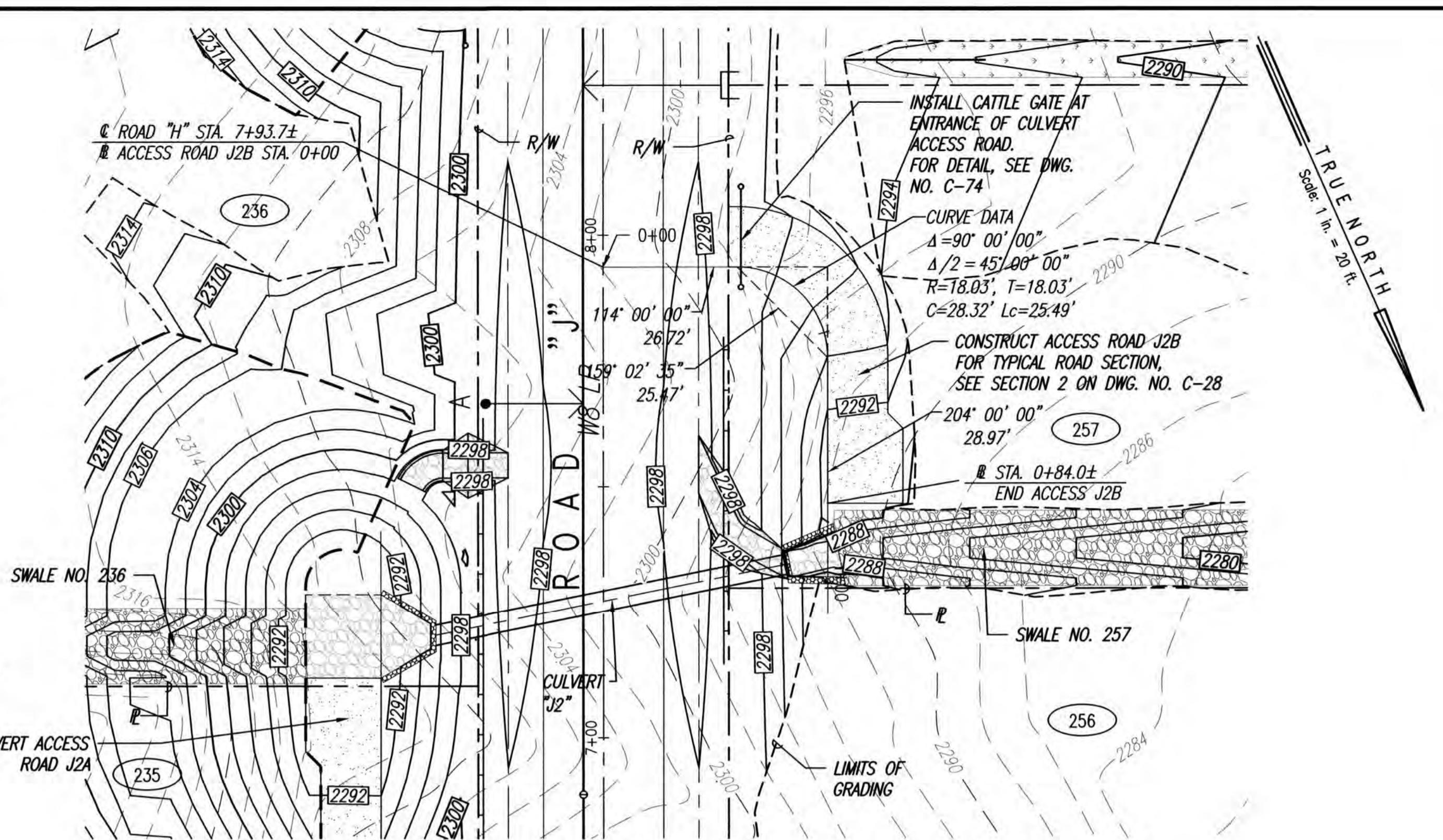
KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
 KEOKEA & WAIOHULI, MAKAWAO, MAUI
 OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
 TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

PLAN AND PROFILE CULVERT ACCESS ROAD "J" (A & B) - ADDITIVE ALTERNATE

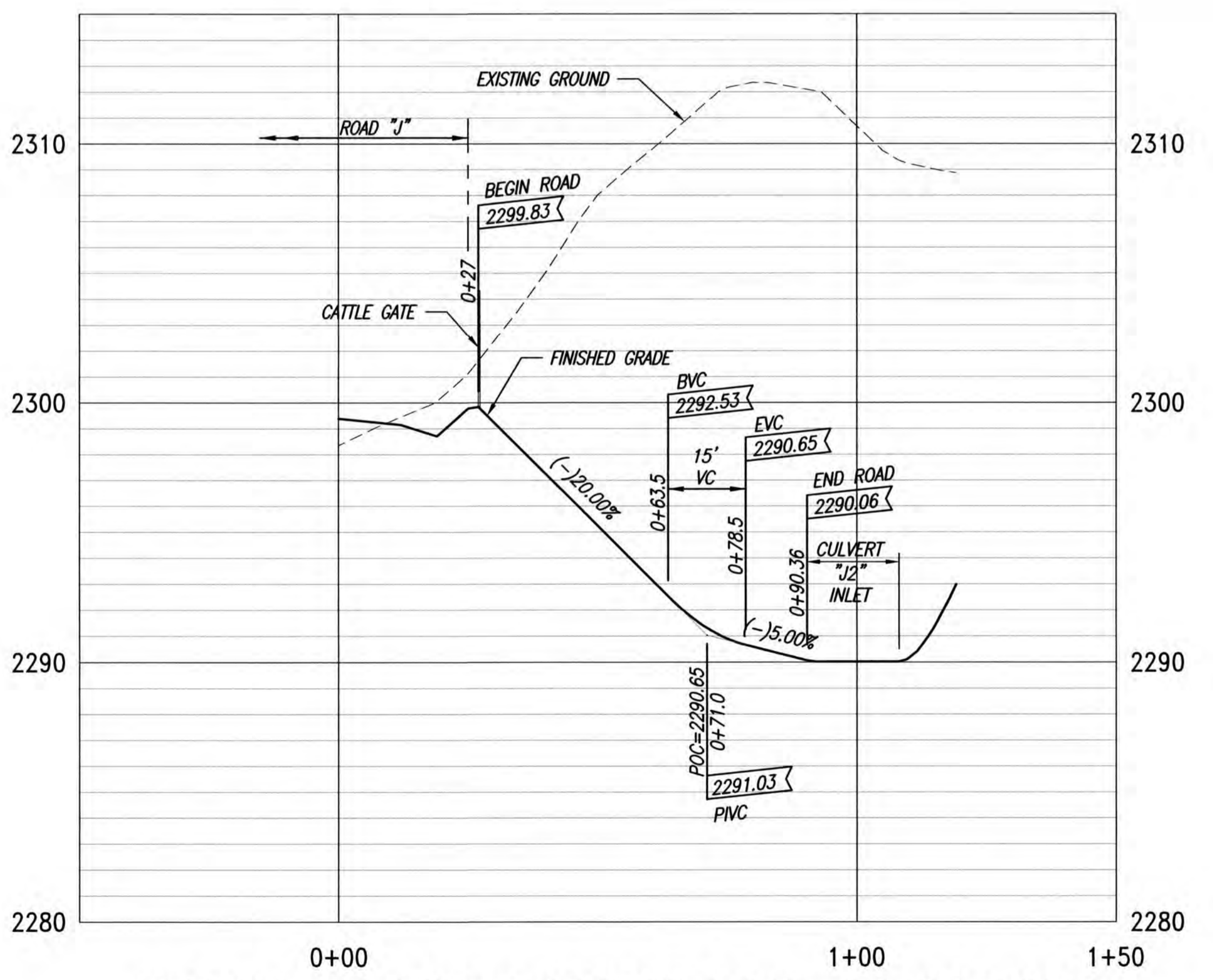
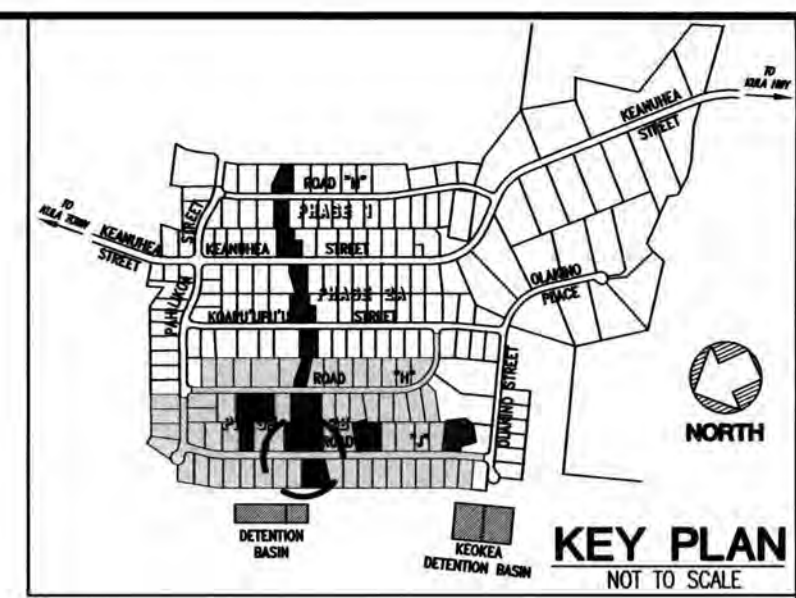
DRAWN BY: JSO ENGINEER: JSO, FJC CHECKED BY: AMM



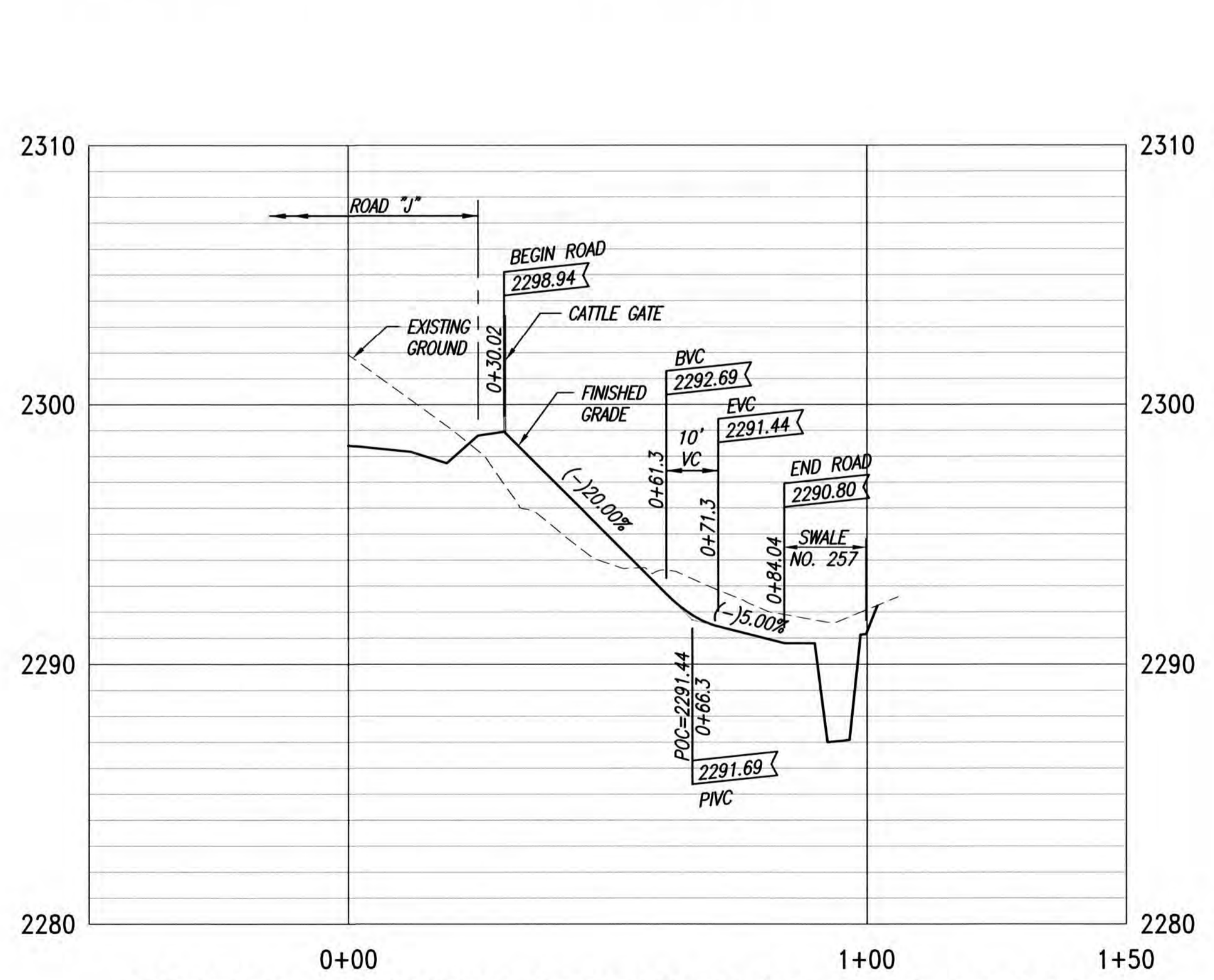
PLAN - CULVERT ACCESS ROAD J2A (LOT 235)
SCALE: 1"=20'



PLAN - CULVERT ACCESS ROAD J2B (LOT 257)
SCALE: 1"=20'



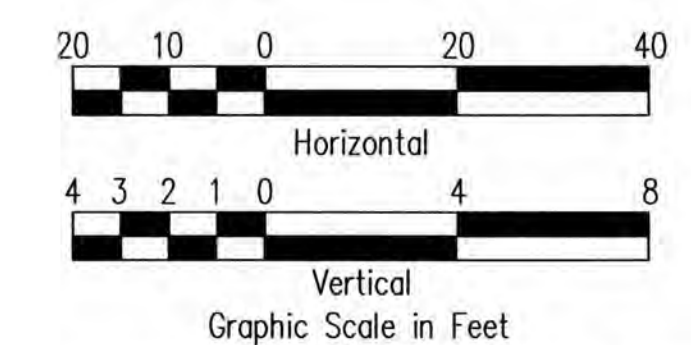
PROFILE - CULVERT ACCESS ROAD J2A (LOT 235)
SCALES: HORIZ. 1"=20'
VERT. 1"= 4'



PROFILE - CULVERT ACCESS ROAD J2B (LOT 257)
SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

- LEGEND**
- LIMITS OF GRADING
 - - - - - EXISTING GROUND CONTOUR
 - 2500 — FINISH GRADE CONTOUR
 - 2450 — PROPERTY LINE
 - — — — — GUARDRAIL
 - CATTLE GATE
 - WB — NEW WATER LINE
 - ← — — — — TYPE "A" SERVICE LATERAL
 - — — — — TYPE "A-1" SERVICE LATERAL
 - 216 — LOT NUMBER

ADDITIVE ALTERNATE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

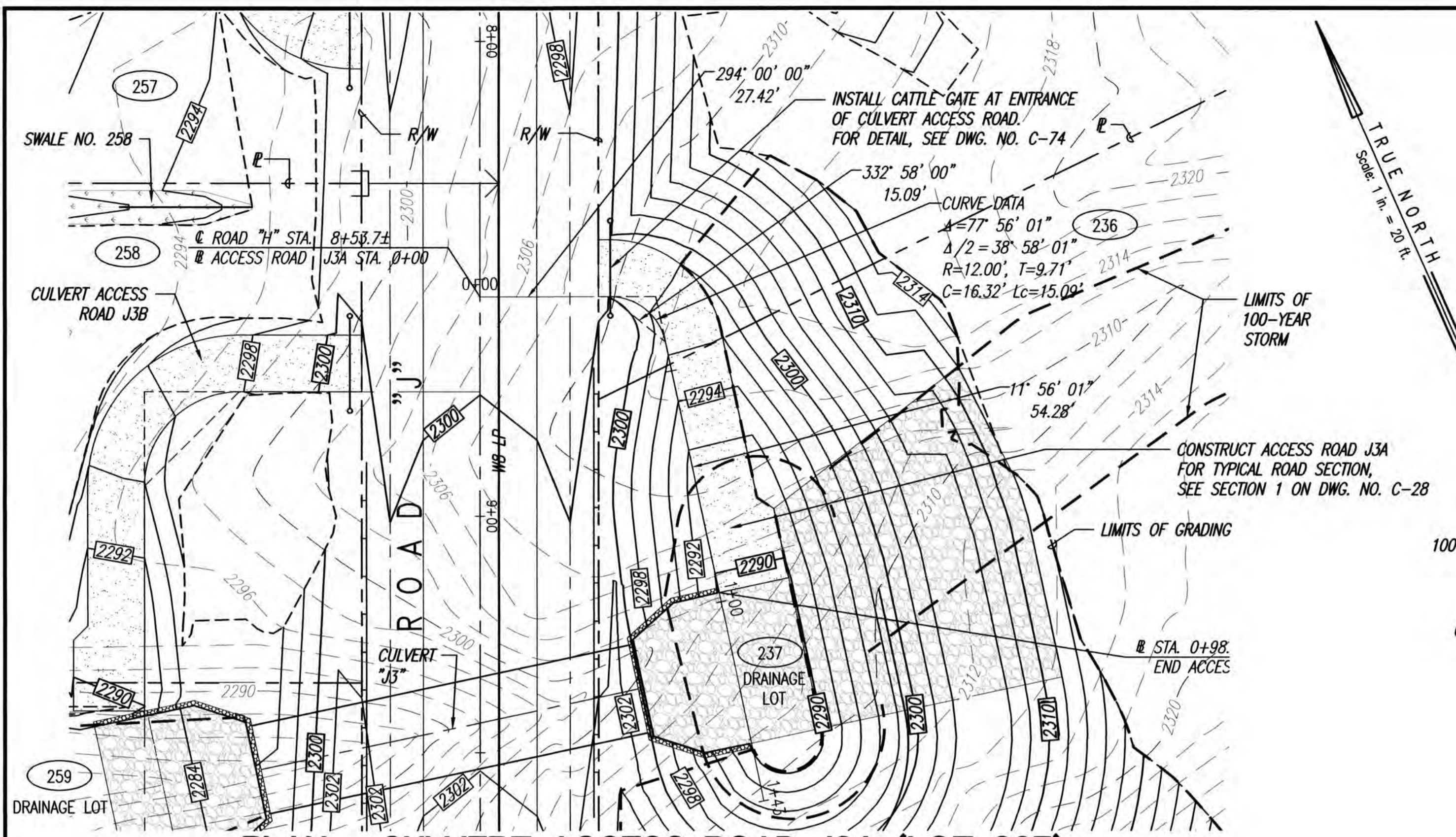
Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1286 Queen Emma Street, Third Floor, Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
KEOKEA & WAIOHULI, MAKAWAO, MAUI
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

PLAN AND PROFILE CULVERT ACCESS ROAD "J2" (A & B) - ADDITIVE ALTERNATE

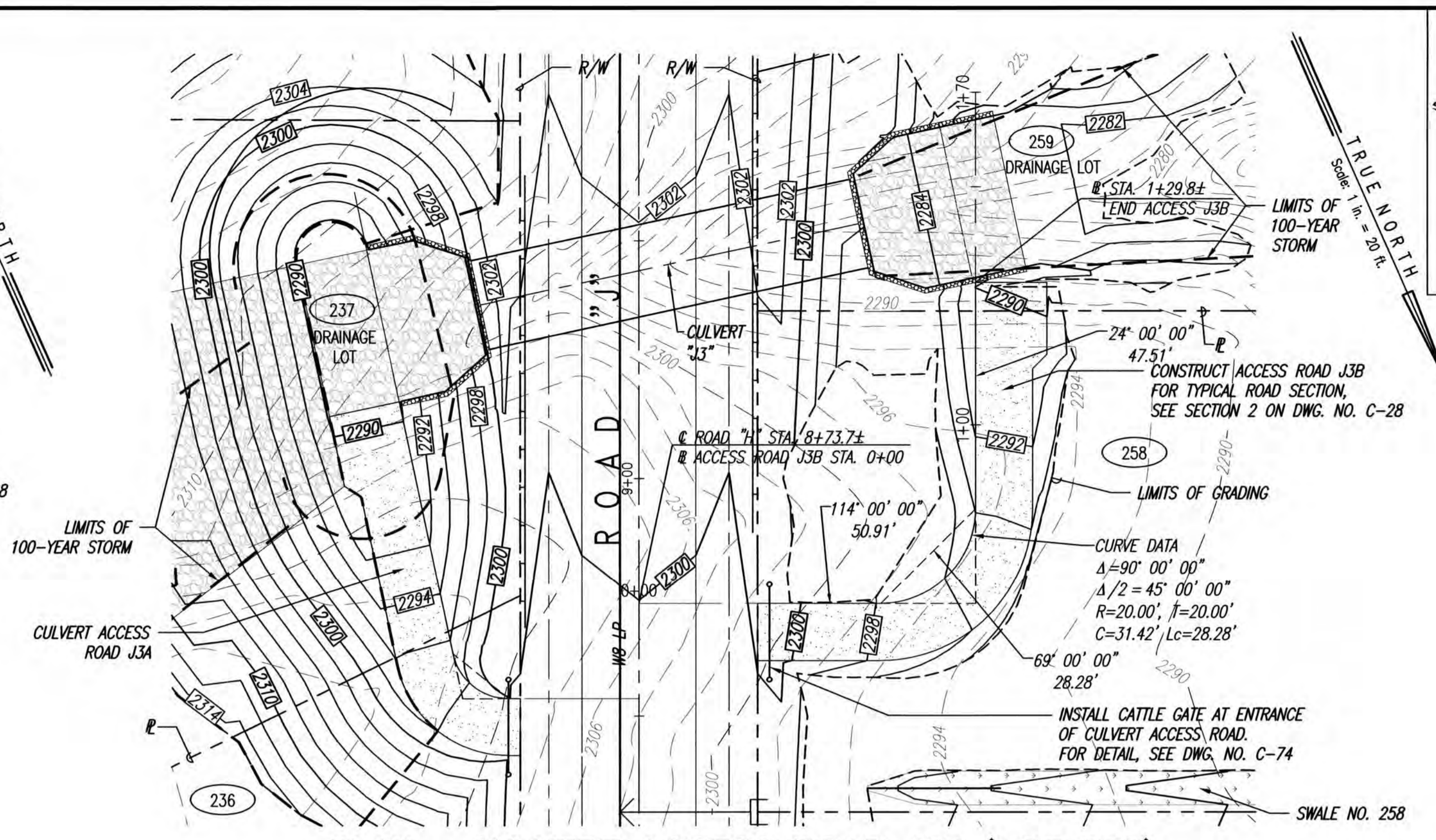
DRAWN BY: JSO ENGINEER: JSO, FJC CHECKED BY: AMM

FILE	POCKET	FOLDER	NO.



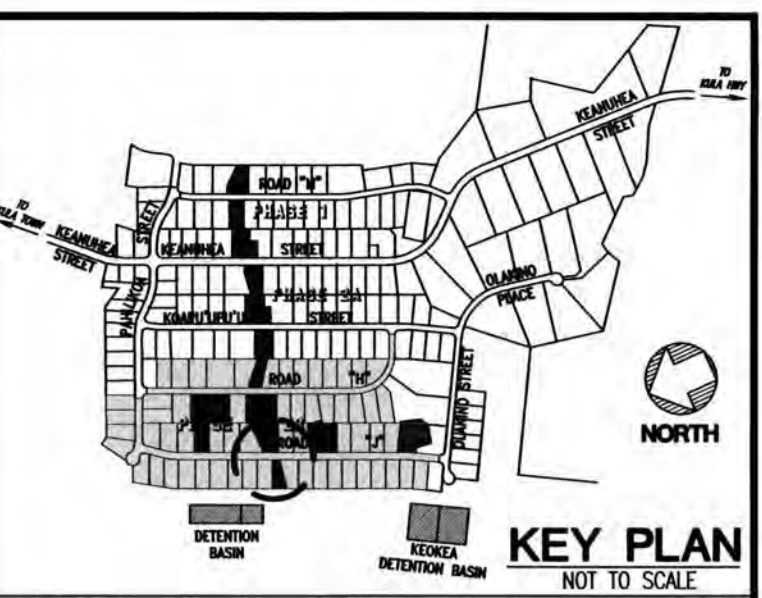
PLAN - CULVERT ACCESS ROAD J3A (LOT 237)

SCALE: 1"=20'

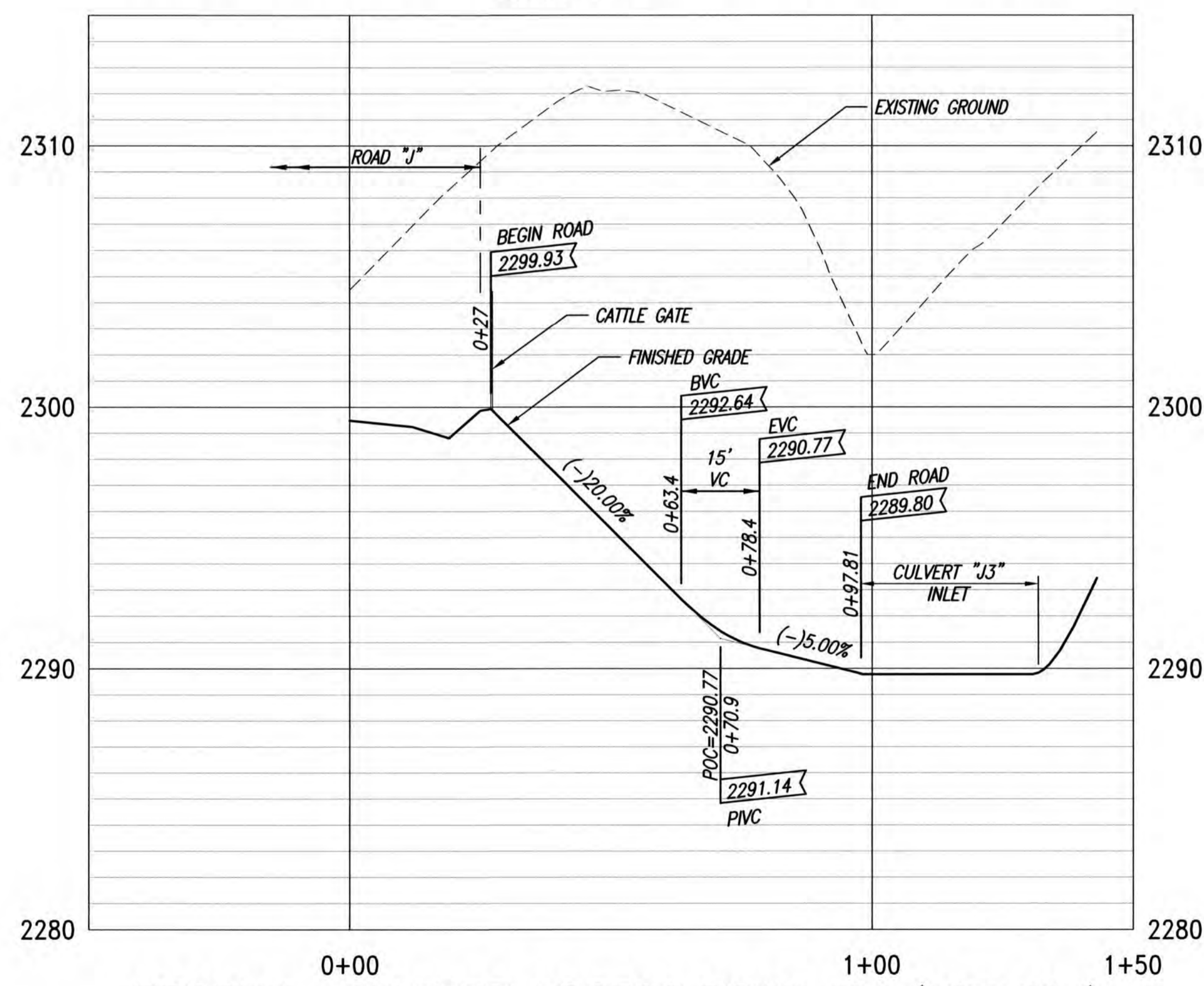


PLAN - CULVERT ACCESS ROAD J3B (LOT 258)

SCALE: 1"=20'

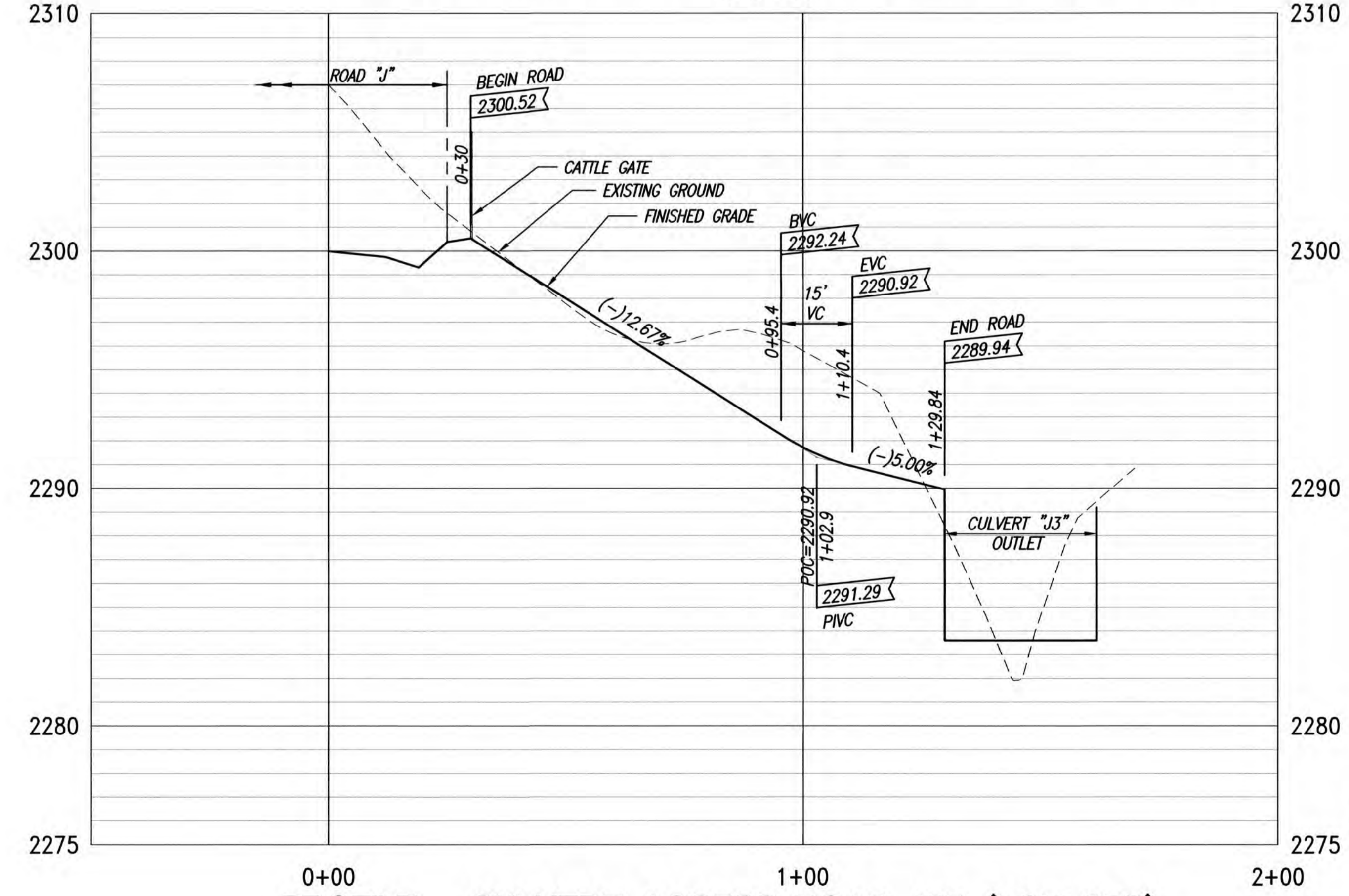


KEY PLAN
NOT TO SCALE



PROFILE - CULVERT ACCESS ROAD J3A (LOT 237)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

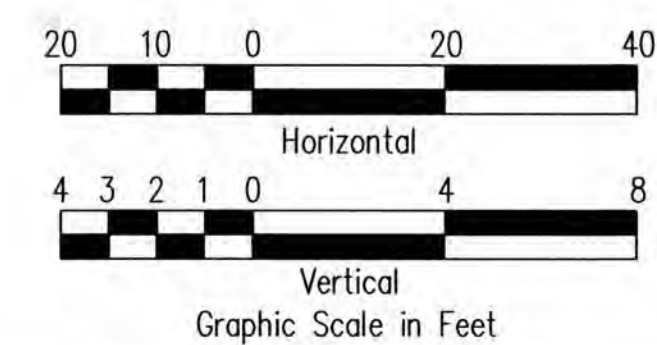


PROFILE - CULVERT ACCESS ROAD J3B (LOT 258)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

- LEGEND**
- LIMITS OF GRADING
 - - - EXISTING GROUND CONTOUR
 - 2450 FINISH GRADE CONTOUR
 - PROPERTY LINE
 - - - GUARDRAIL
 - CATTLE GATE
 - W8 NEW WATER LINE
 - ◁ ▷ TYPE "A" SERVICE LATERAL
 - ▷ ▷ TYPE "A-1" SERVICE LATERAL
 - 216 LOT NUMBER

ADDITIVE ALTERNATE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

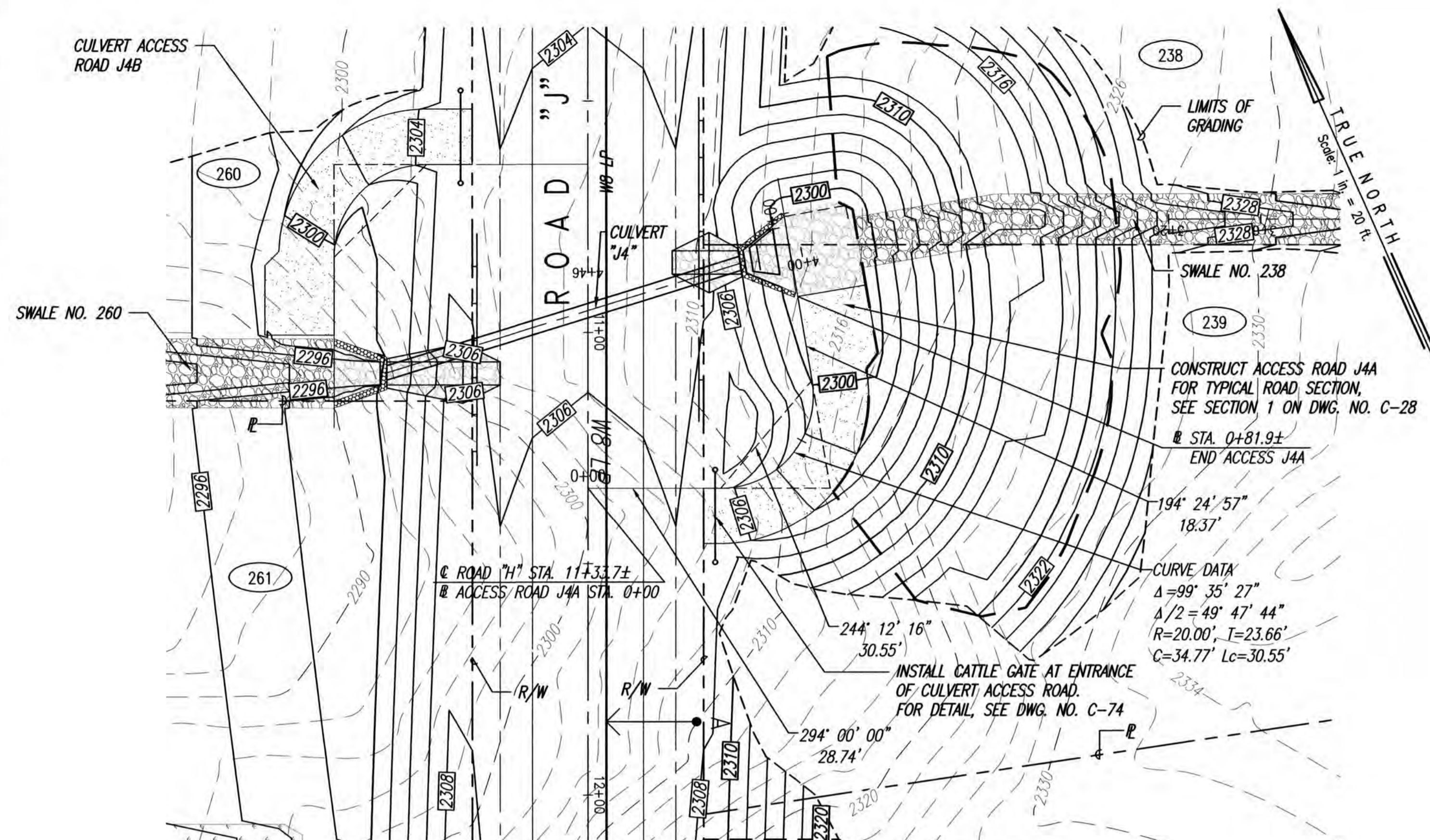
REVISION DATE:	DESCRIPTION:	MADE BY:	APPROVED:

Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1286 Queen Emma Street, Third Floor Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
KEOKEA & WAIOHULI, MAKAWAO, MAUI
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: (2) 2-2-002-014 AND (2) 2-2-033-023

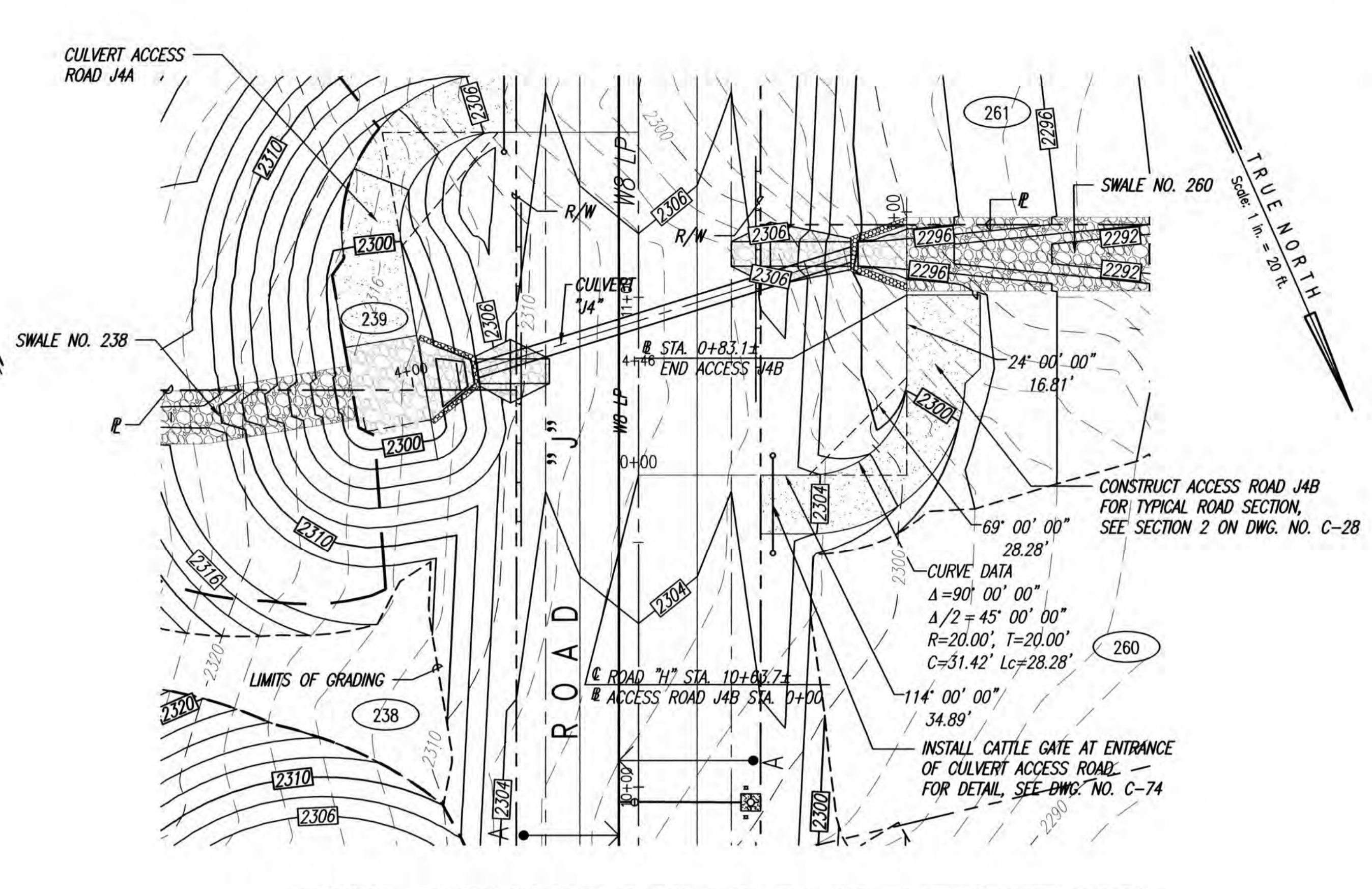
PLAN AND PROFILE CULVERT ACCESS ROAD "J3" (A & B) - ADDITIVE ALTERNATE

DRAWN BY: JSO ENGINEER: JSO, FJC CHECKED BY: AMM



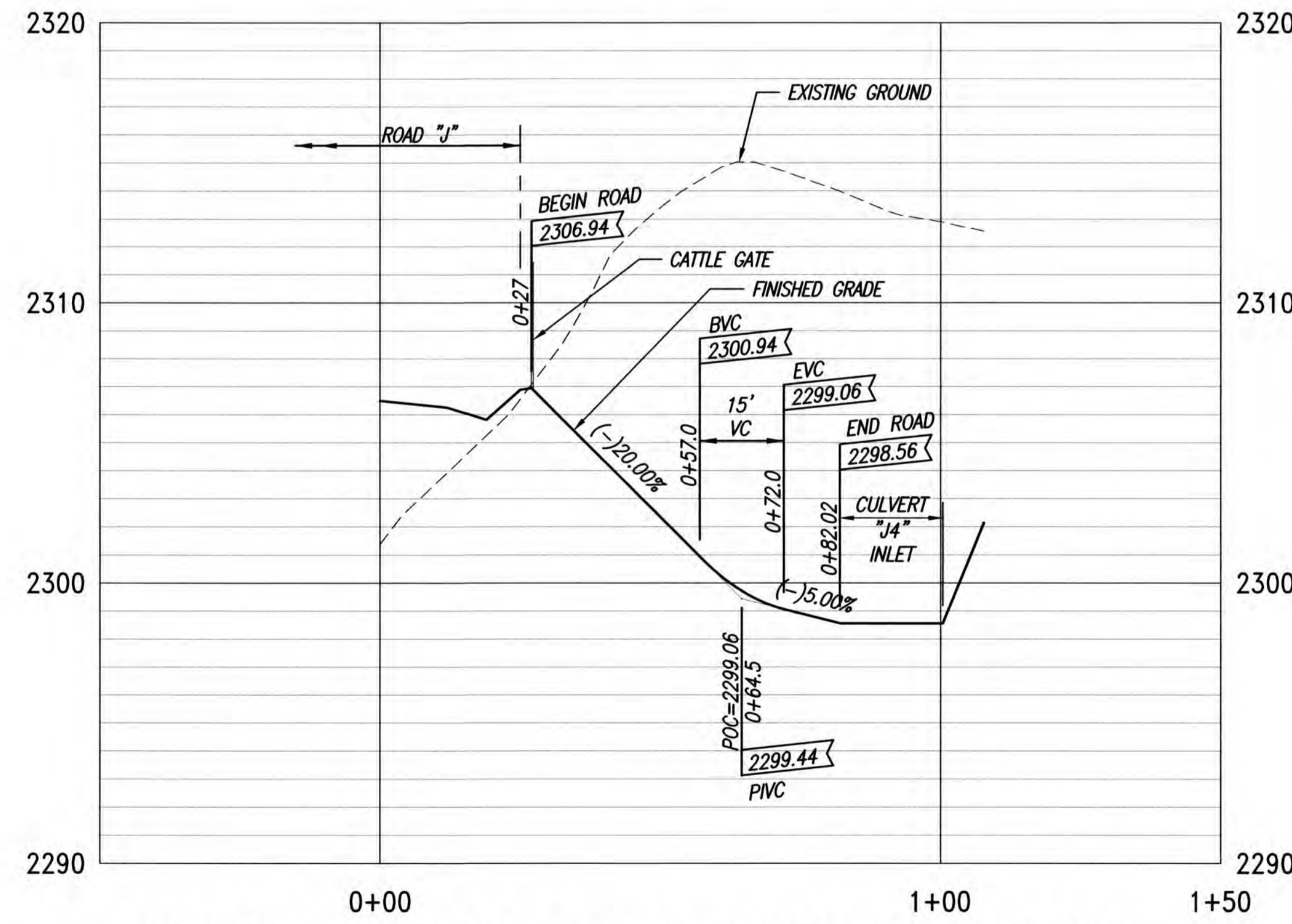
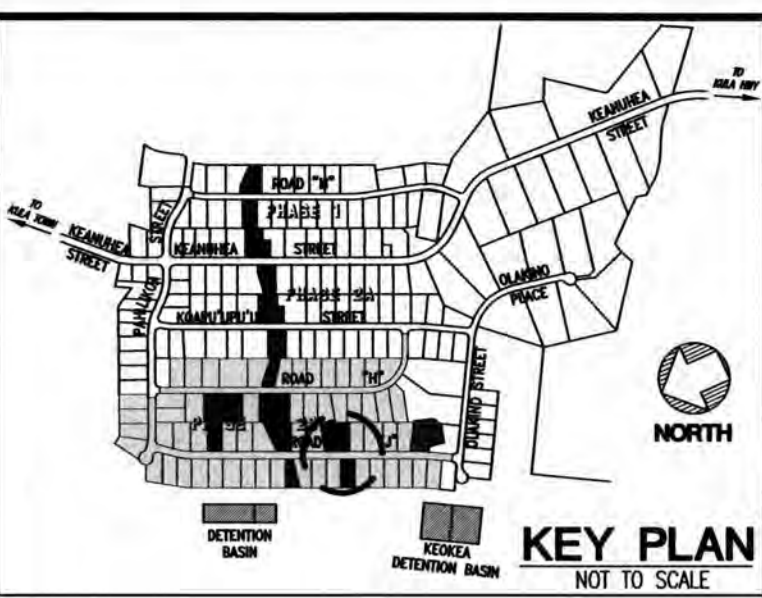
PLAN - CULVERT ACCESS ROAD J4A (LOT 239)

SCALE: 1"=20'



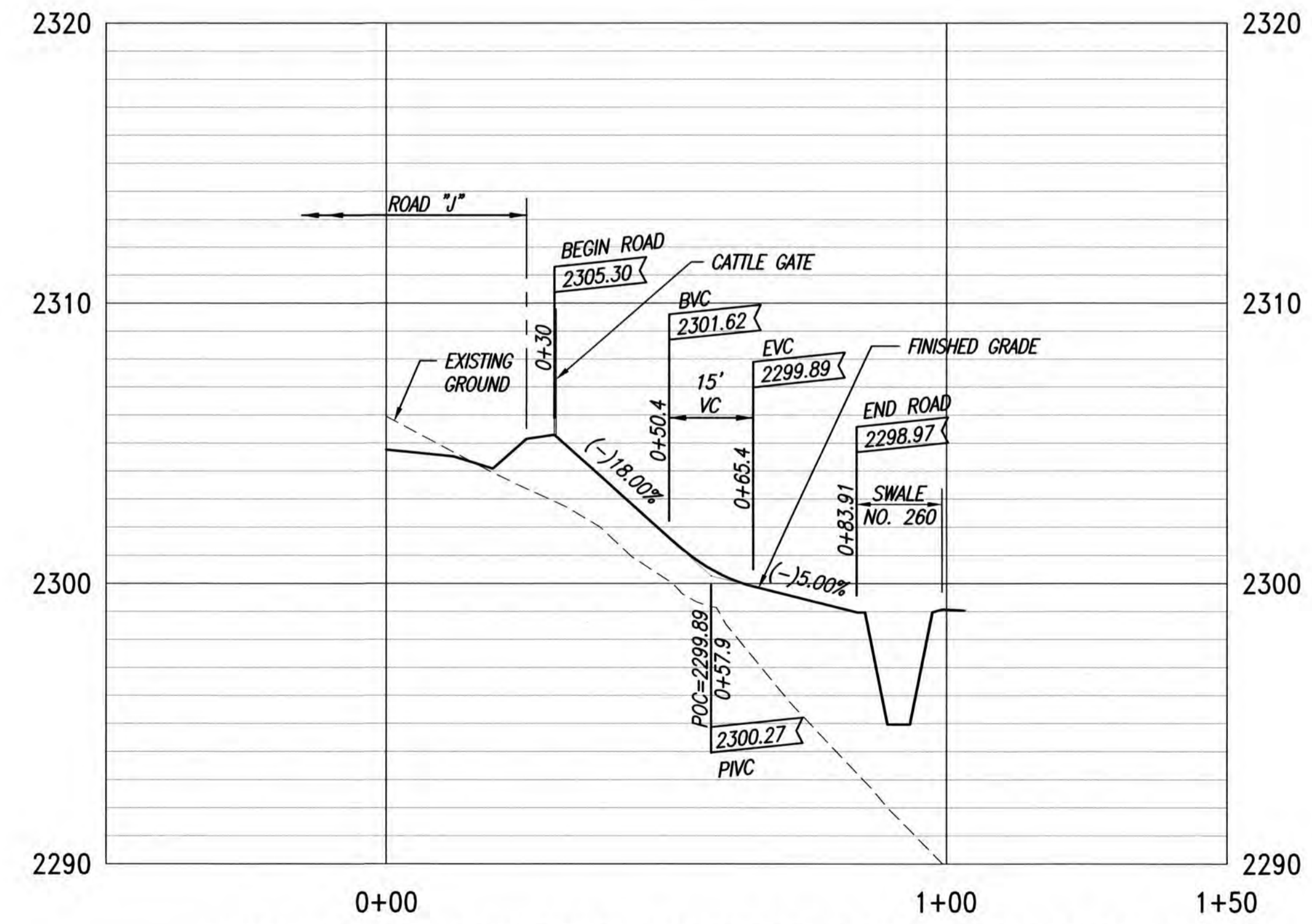
PLAN - CULVERT ACCESS ROAD J4B (LOT 260)

SCALE: 1"=20'



PROFILE - CULVERT ACCESS ROAD J4A (LOT 239)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

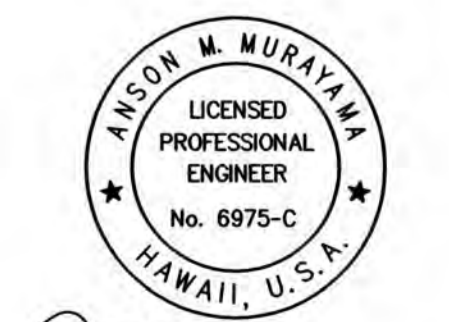
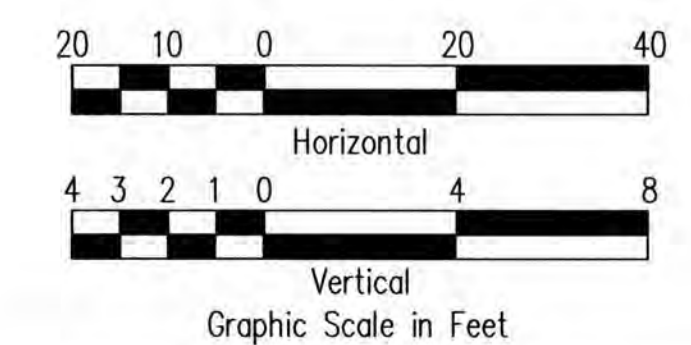


PROFILE - CULVERT ACCESS ROAD J4B (LOT 260)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

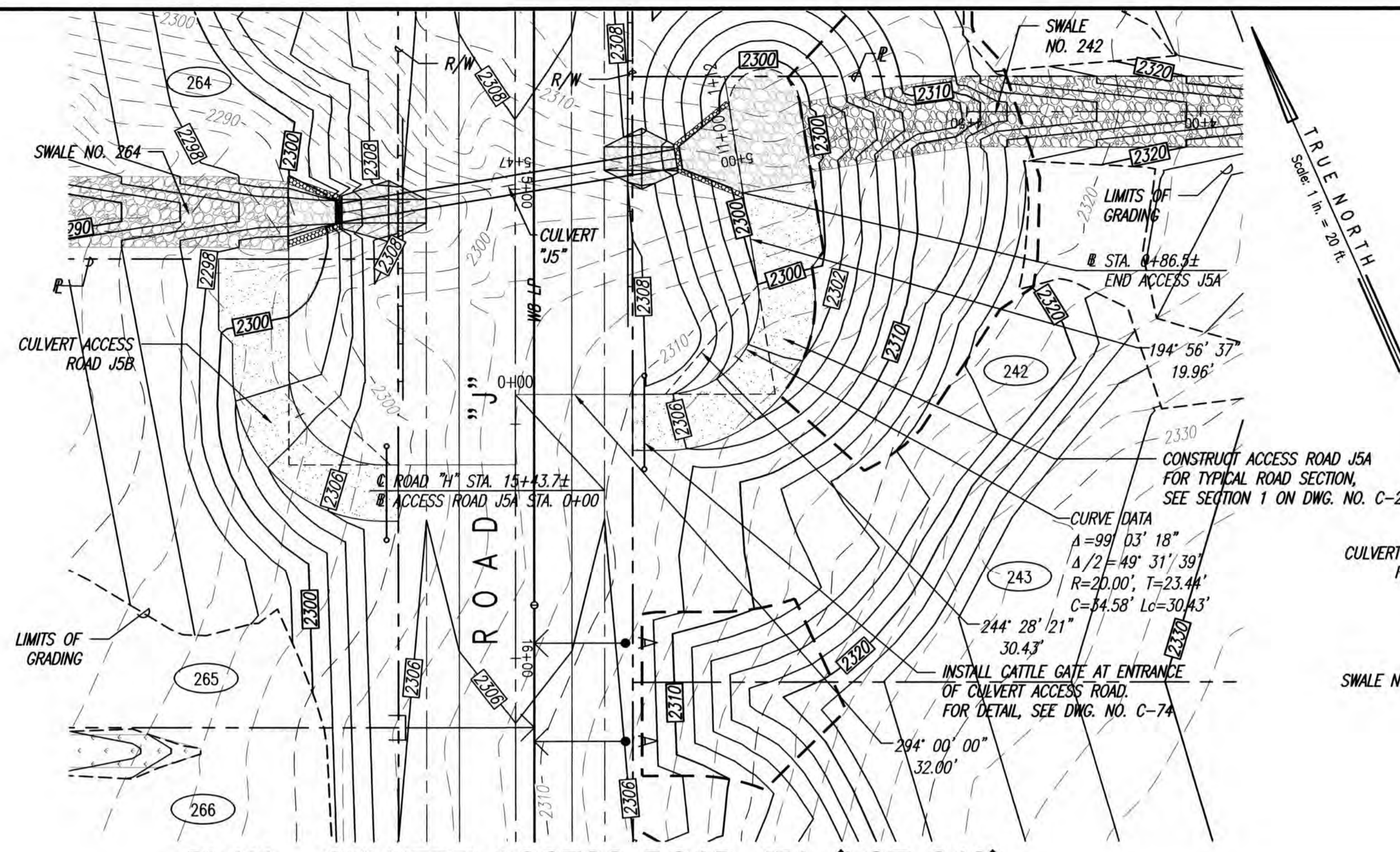
- LEGEND**
- LIMITS OF GRADING
 - - - EXISTING GROUND CONTOUR
 - 2450 — FINISH GRADE CONTOUR
 - — — PROPERTY LINE
 - — — GUARDRAIL
 - CATTLE GATE
 - WS — NEW WATER LINE
 - ← — — — TYPE "A" SERVICE LATERAL
 - — — TYPE "A-1" SERVICE LATERAL
 - 216 — LOT NUMBER

ADDITIVE ALTERNATE



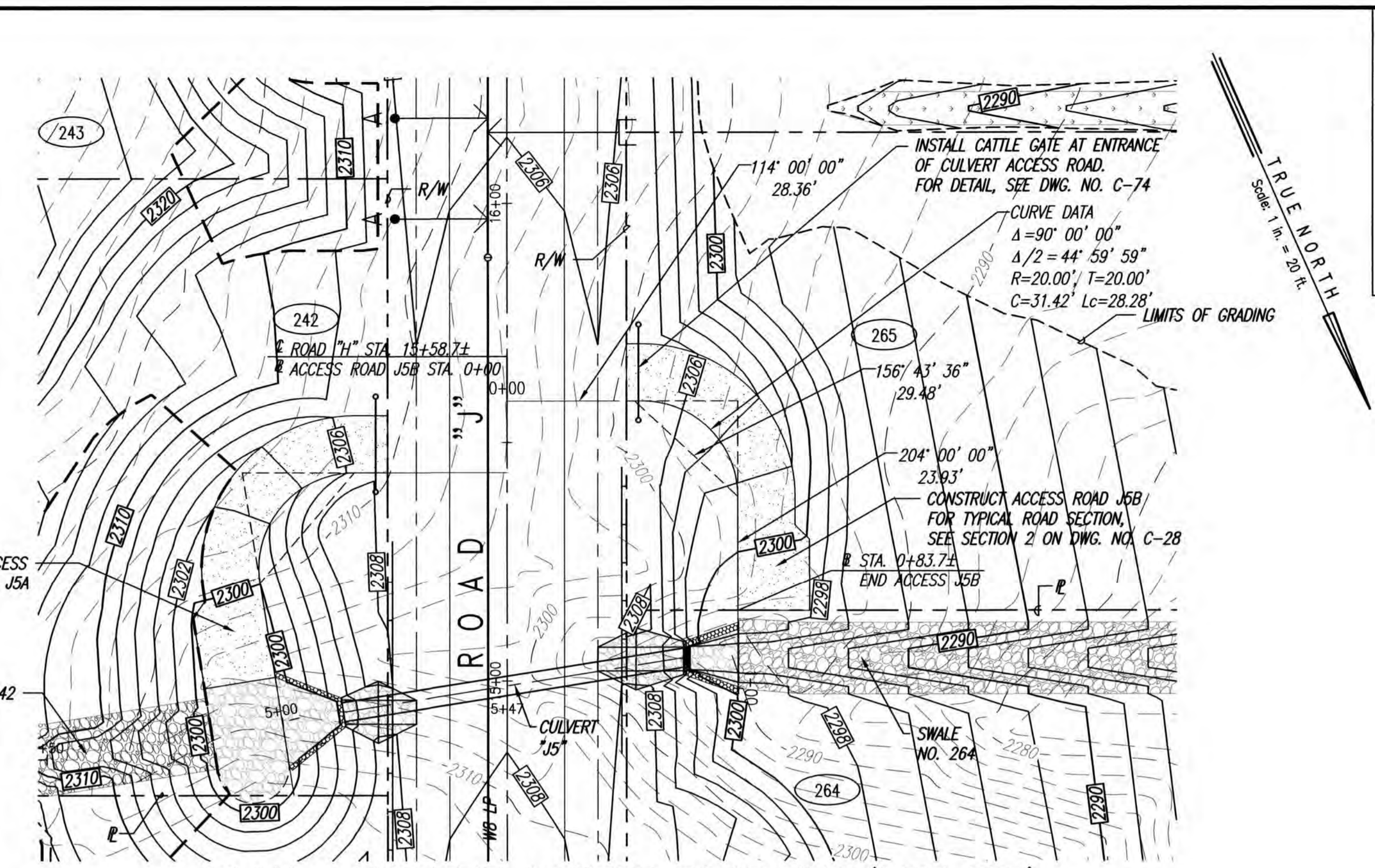
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1286 Queen Emma Street, Third Floor Honolulu, Hawaii			
KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B KEOKEA & WAIOHULI, MAKAWAO, MAUI OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023			
PLAN AND PROFILE CULVERT ACCESS ROAD "J4" (A & B) - ADDITIVE ALTERNATE			
DRAWN BY: JSO	ENGINEER: JSO, FJC	CHECKED BY: AMM	



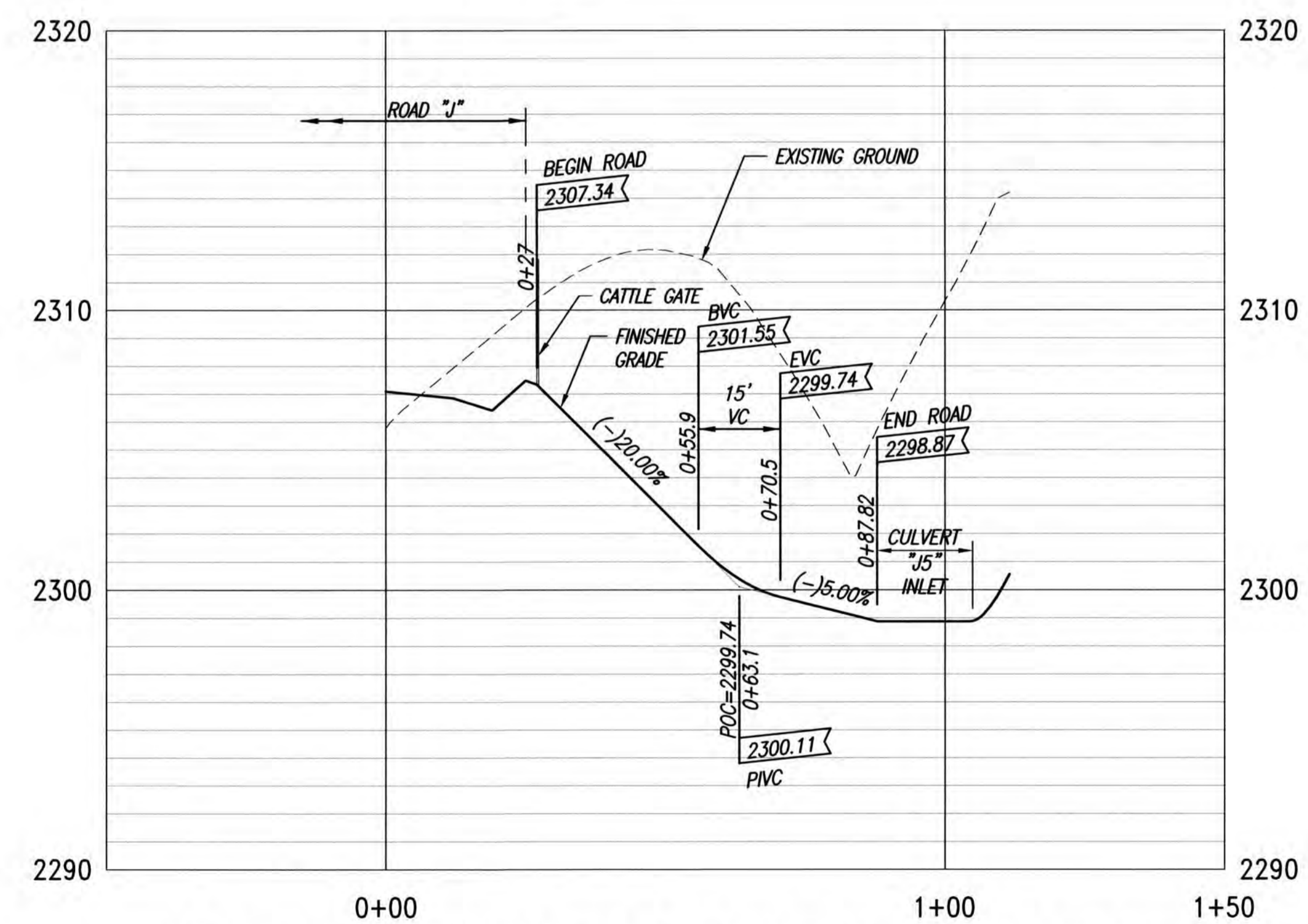
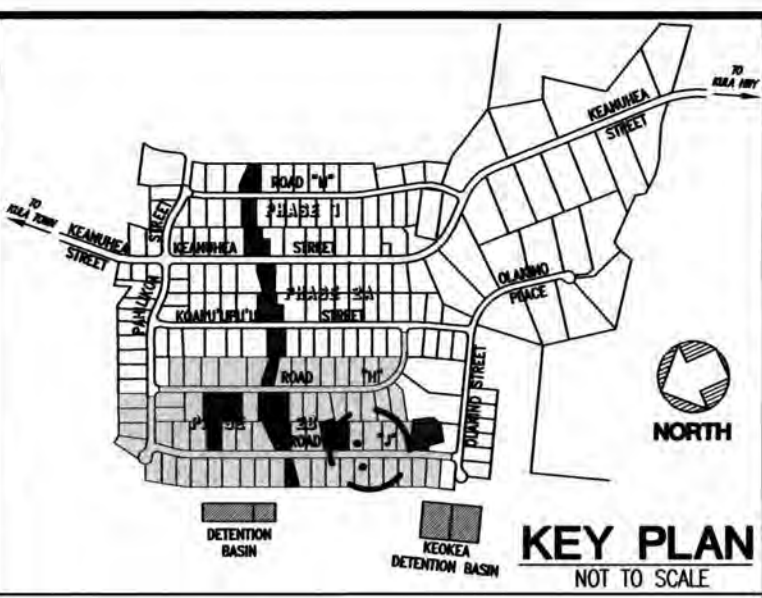
PLAN - CULVERT ACCESS ROAD J5A (LOT 242)

SCALE: 1"=20'



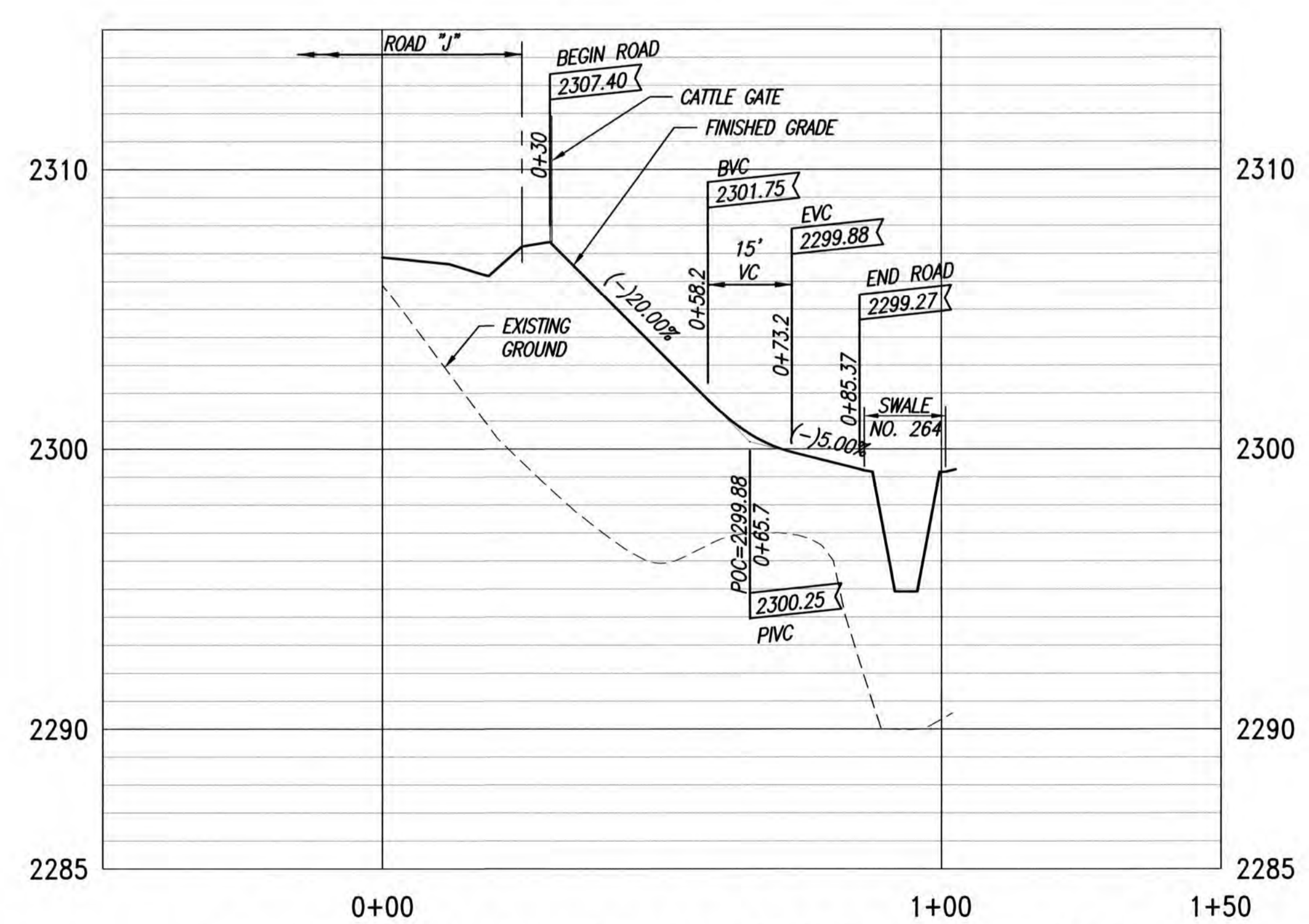
PLAN - CULVERT ACCESS ROAD J5B (LOT 265)

SCALE: 1"=20'



PROFILE - CULVERT ACCESS ROAD J5A (LOT 242)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

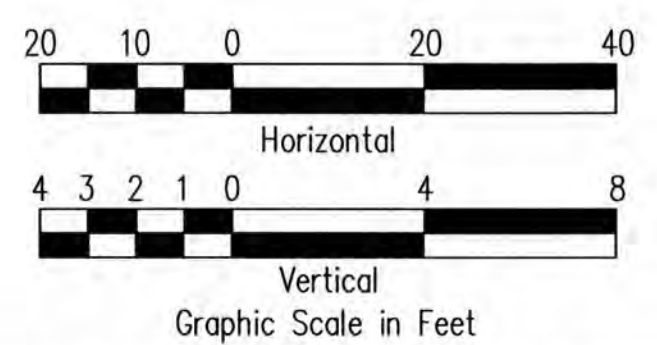


PROFILE - CULVERT ACCESS ROAD J5B (LOT 265)

SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

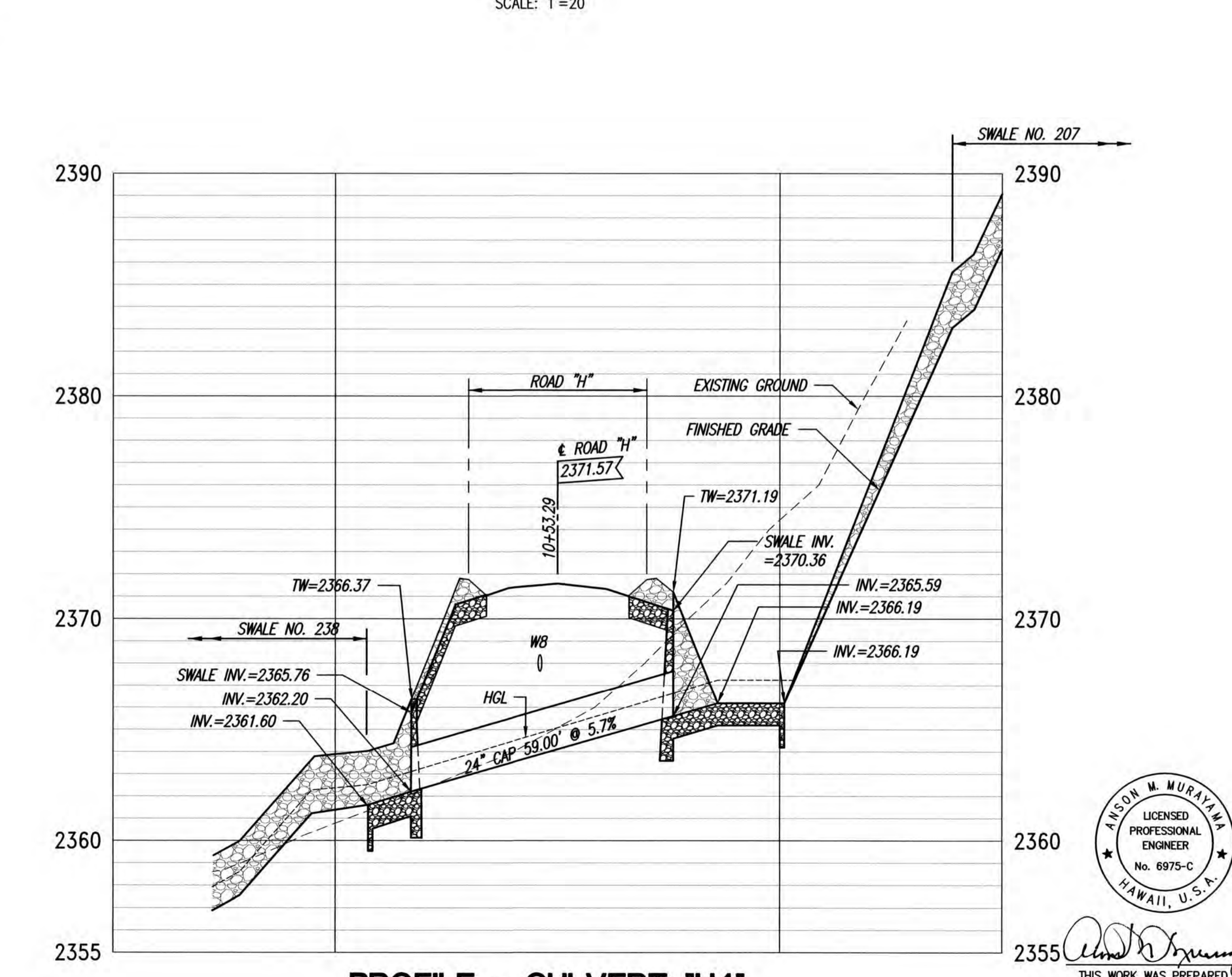
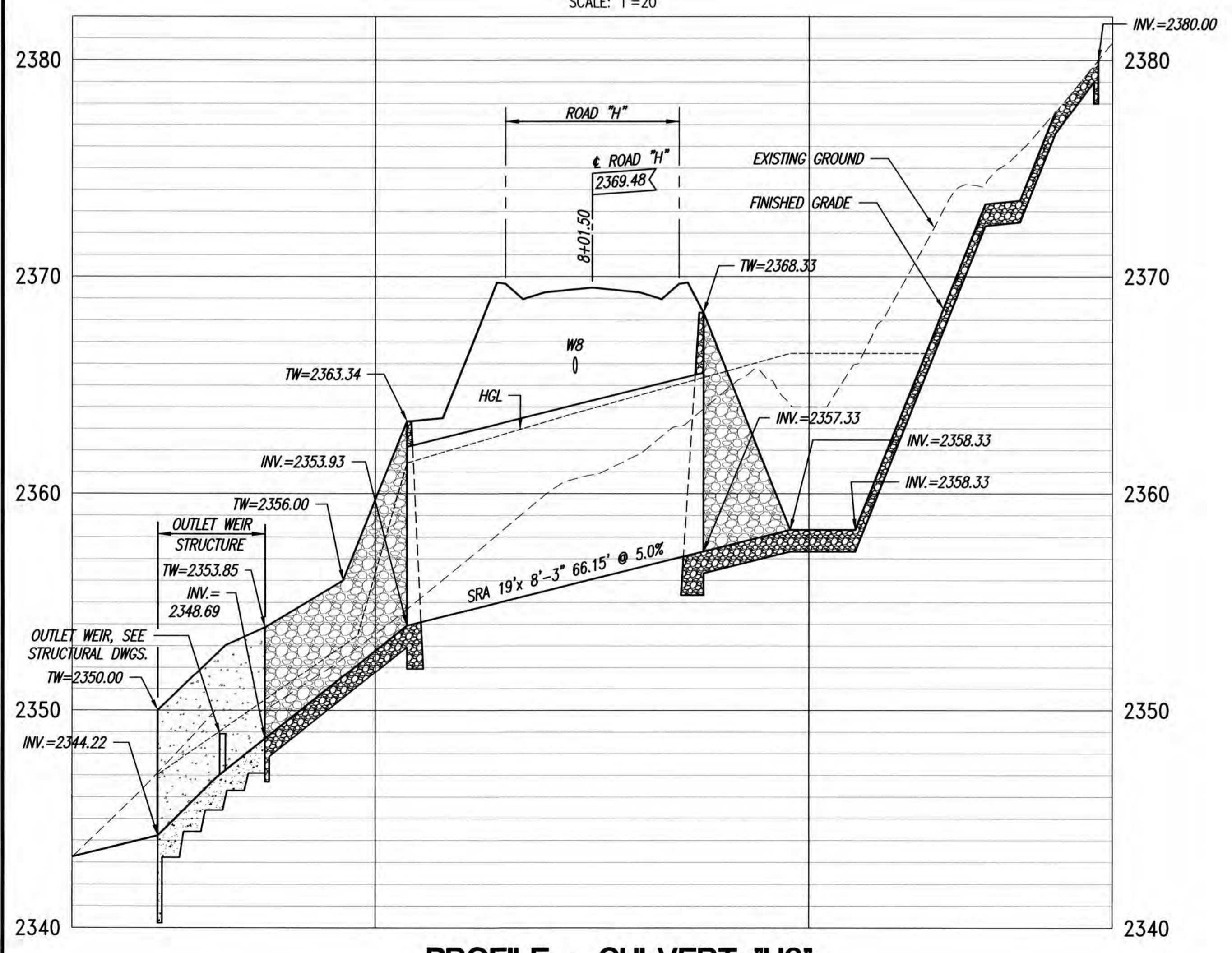
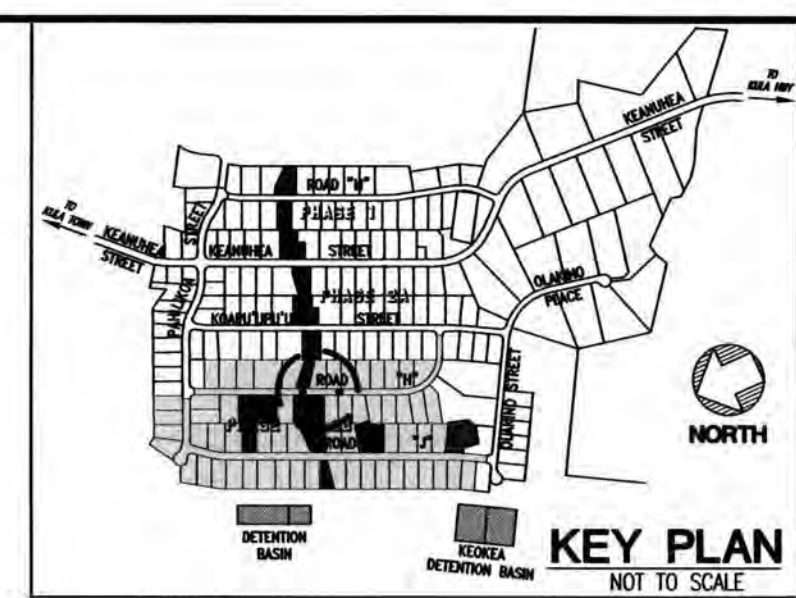
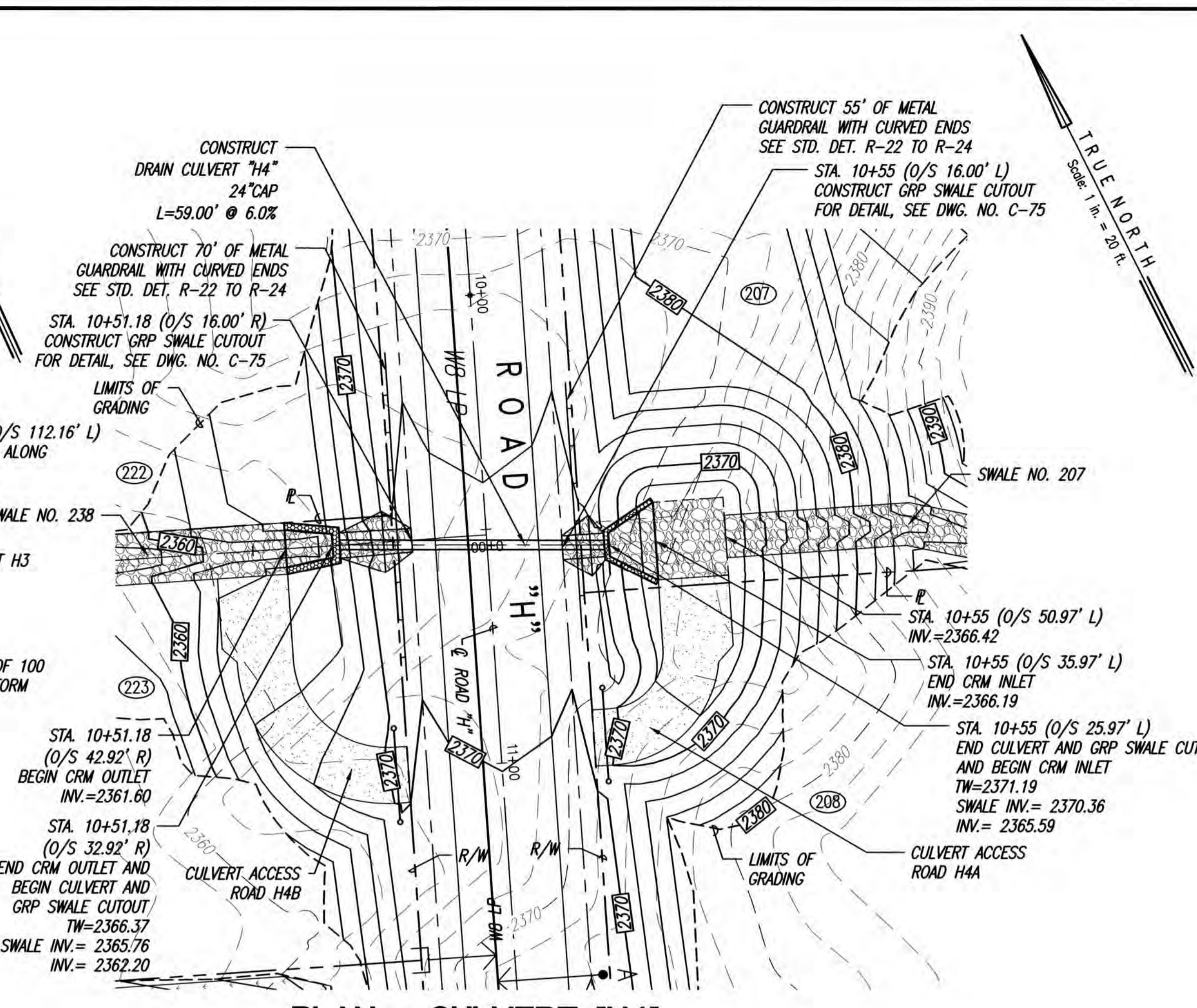
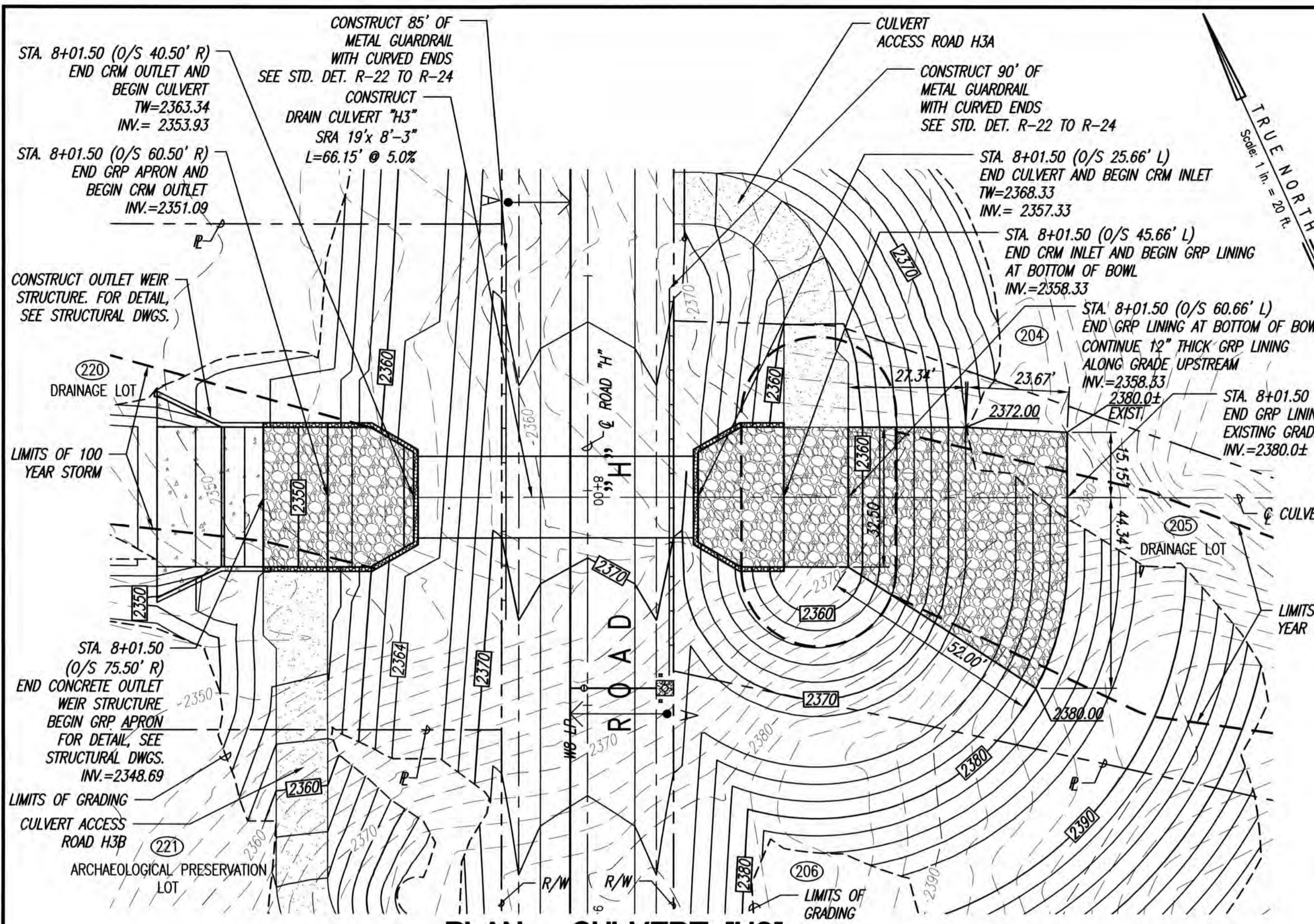
- LEGEND**
- LIMITS OF GRADING
 - - - - - EXISTING GROUND CONTOUR
 - ▭ FINISH GRADE CONTOUR
 - - - - - PROPERTY LINE
 - GUARDRAIL
 - CATTLE GATE
 - NB — NEW WATER LINE
 - ←○→ TYPE "A" SERVICE LATERAL
 - ← TYPE "A-1" SERVICE LATERAL
 - 216 LOT NUMBER

ADDITIVE ALTERNATE

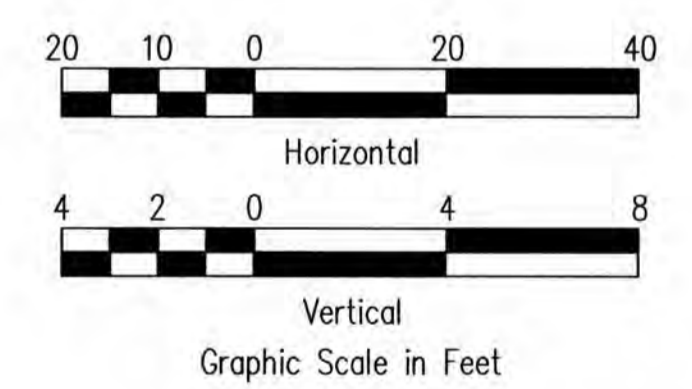


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
<p>Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1286 Queen Emma Street, Third Floor Honolulu, Hawaii</p>			
<p>KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B KEOKEA & WAIOHULI, MAKAWAO, MAUI OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023</p>			
<p>PLAN AND PROFILE CULVERT ACCESS ROAD "J5" (A & B) - ADDITIVE ALTERNATE</p>			
DRAWN BY: JSO	ENGINEER: JSO, FJC	CHECKED BY: AMM	



- LEGEND**
- LIMITS OF GRADING
 - - - - - EXISTING GROUND CONTOUR
 - FINISH GRADE CONTOUR
 - PROPERTY LINE
 - LIMITS OF 100 YEAR STORM GUARDRAIL
 - CATTLE GATE
 - NEW WATER LINE
 - TYPE "A" SERVICE LATERAL
 - TYPE "A-1" SERVICE LATERAL
 - (216) LOT NUMBER



Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1286 Queen Emma Street, Third Floor Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
KEOKEA & WAIOHULI, MAKAWAO, MAUI
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

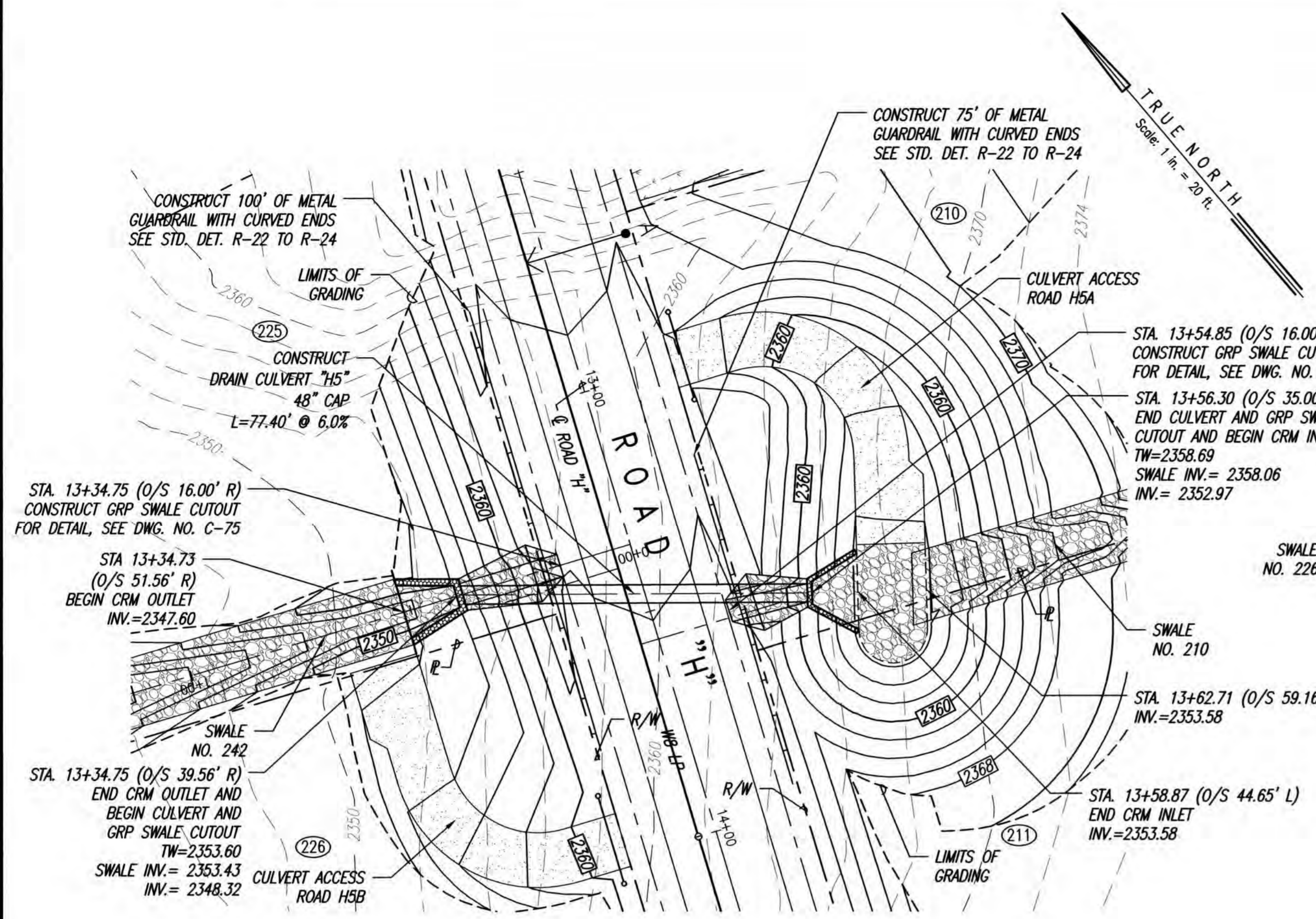
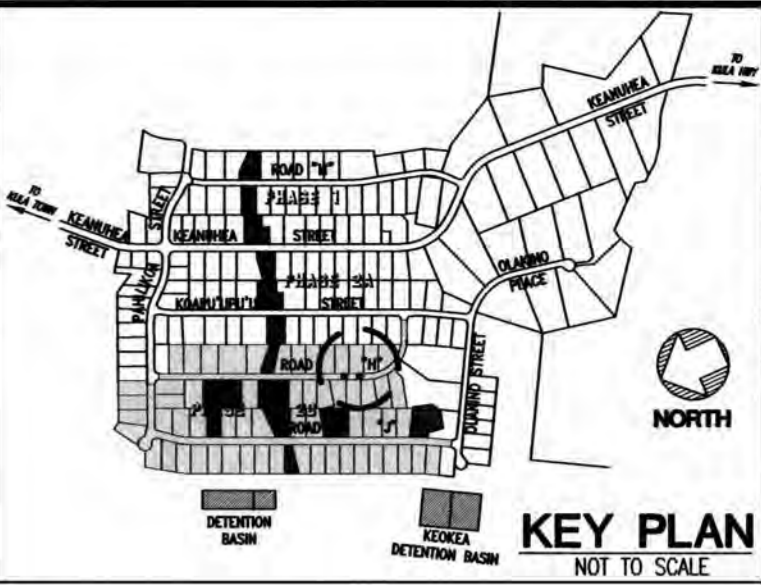
PLAN AND PROFILE DRAIN CULVERTS "H3" & "H4" - BASE BID

DRAWN BY: HW1 ENGINEER: HW1, FJC CHECKED BY: AMM

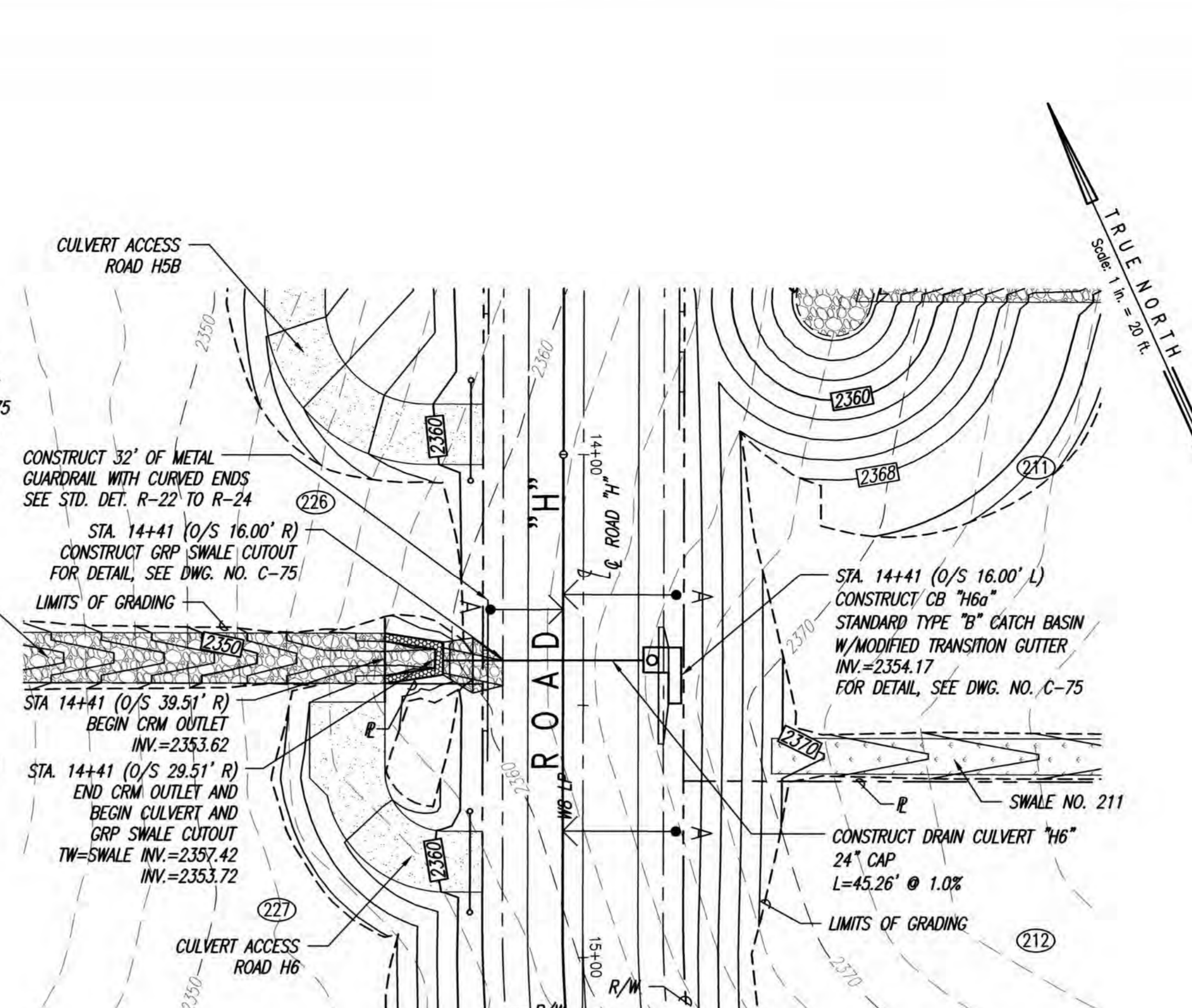


THIS WORK WAS PREPARED FOR ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

FILE	POCKET	FOLDER	NO.
------	--------	--------	-----



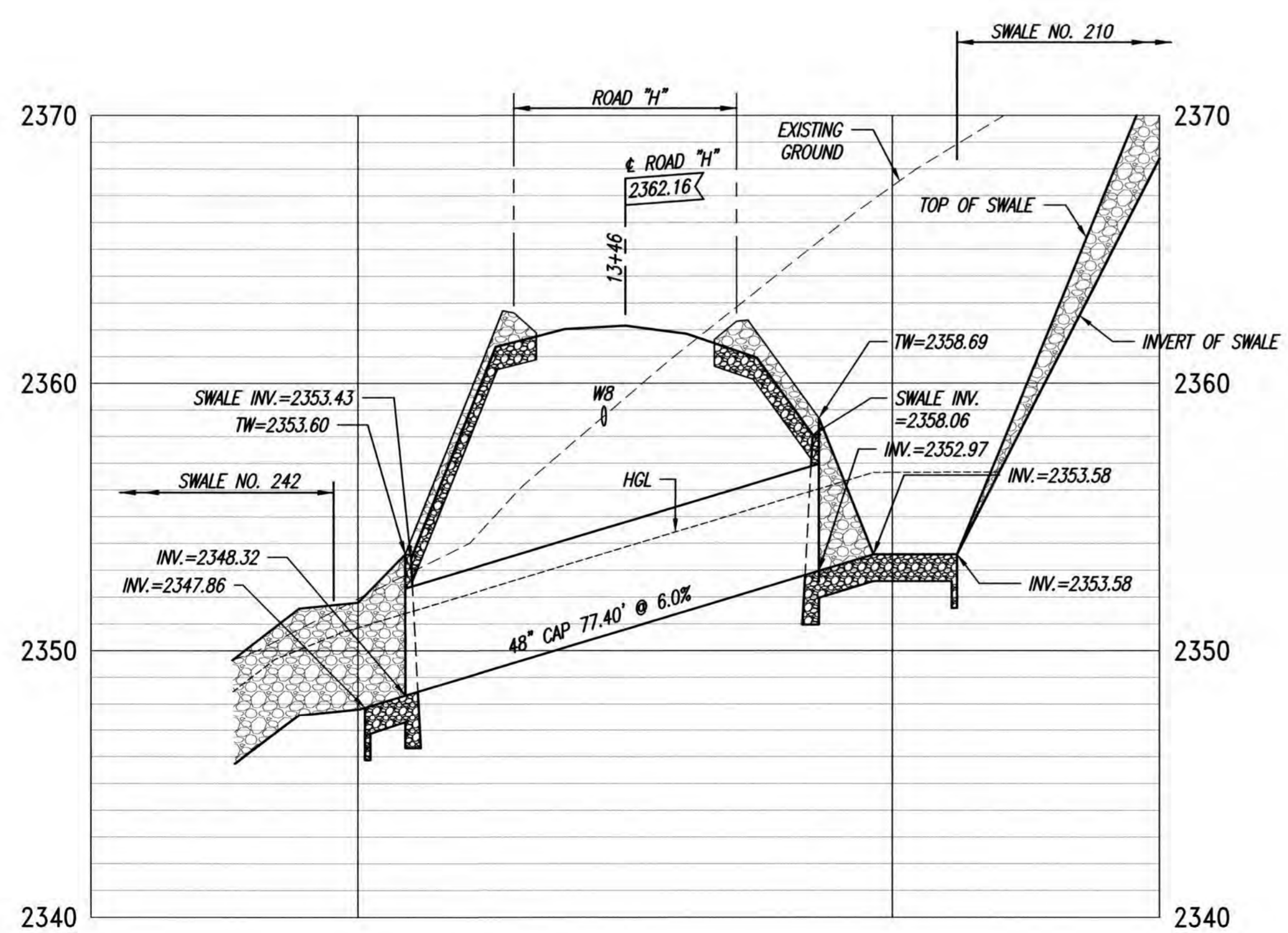
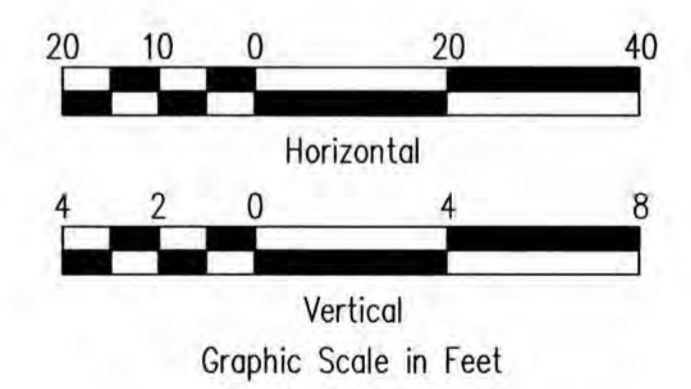
PLAN - CULVERT "H5"
SCALE: 1"=20'



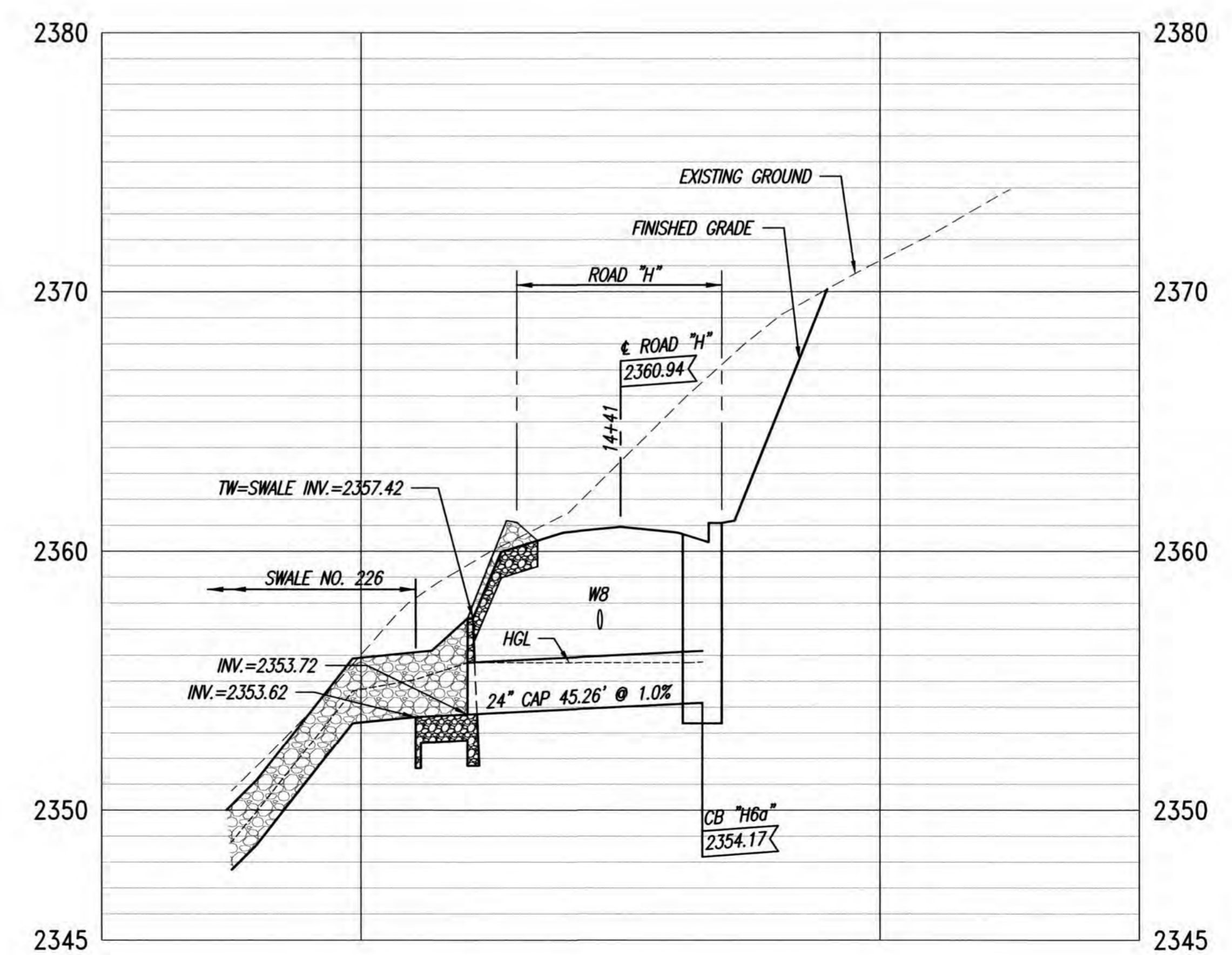
PLAN - CULVERT "H6"
SCALE: 1"=20'

LEGEND

- LIMITS OF GRADING
- - - - - EXISTING GROUND CONTOUR
- ▭ FINISH GRADE CONTOUR
- PROPERTY LINE
- GUARDRAIL
- CATTLE GATE
- WB NEW WATER LINE
- ←→ TYPE "A" SERVICE LATERAL
- ←→ TYPE "A-1" SERVICE LATERAL
- LOT NUMBER



PROFILE - CULVERT "H5"
SCALES: HORIZ. 1"=20'
VERT. 1"=4'



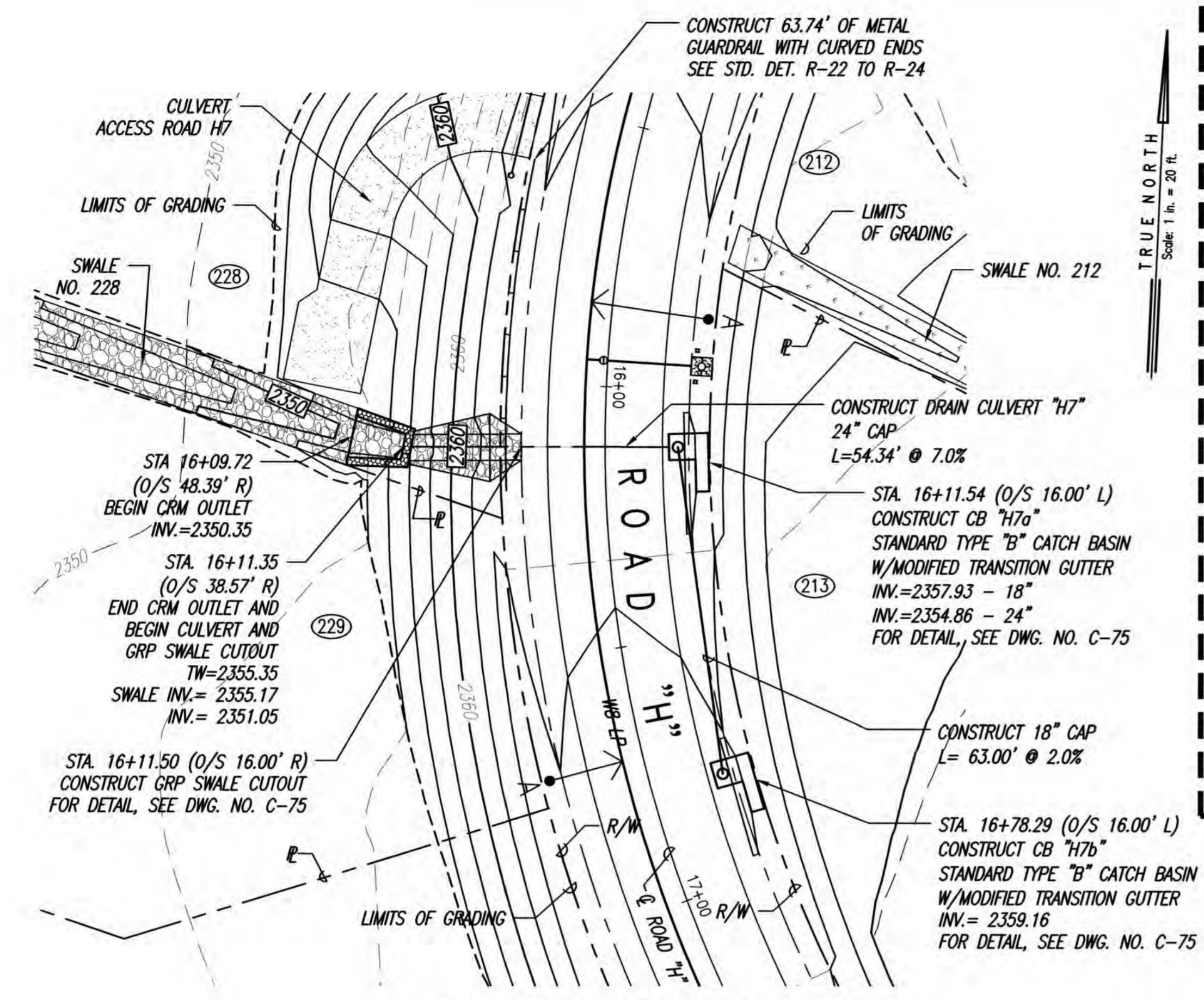
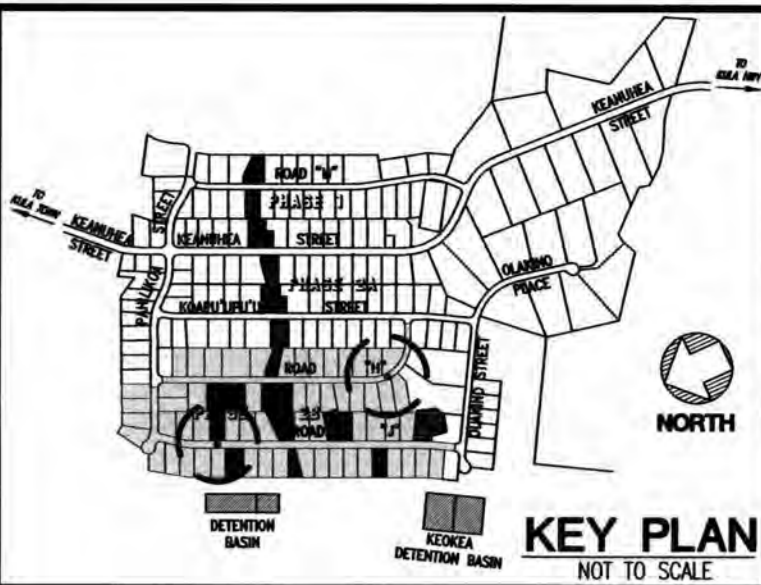
PROFILE - CULVERT "H6"
SCALES: HORIZ. 1"=20'
VERT. 1"=4'

BASE BID

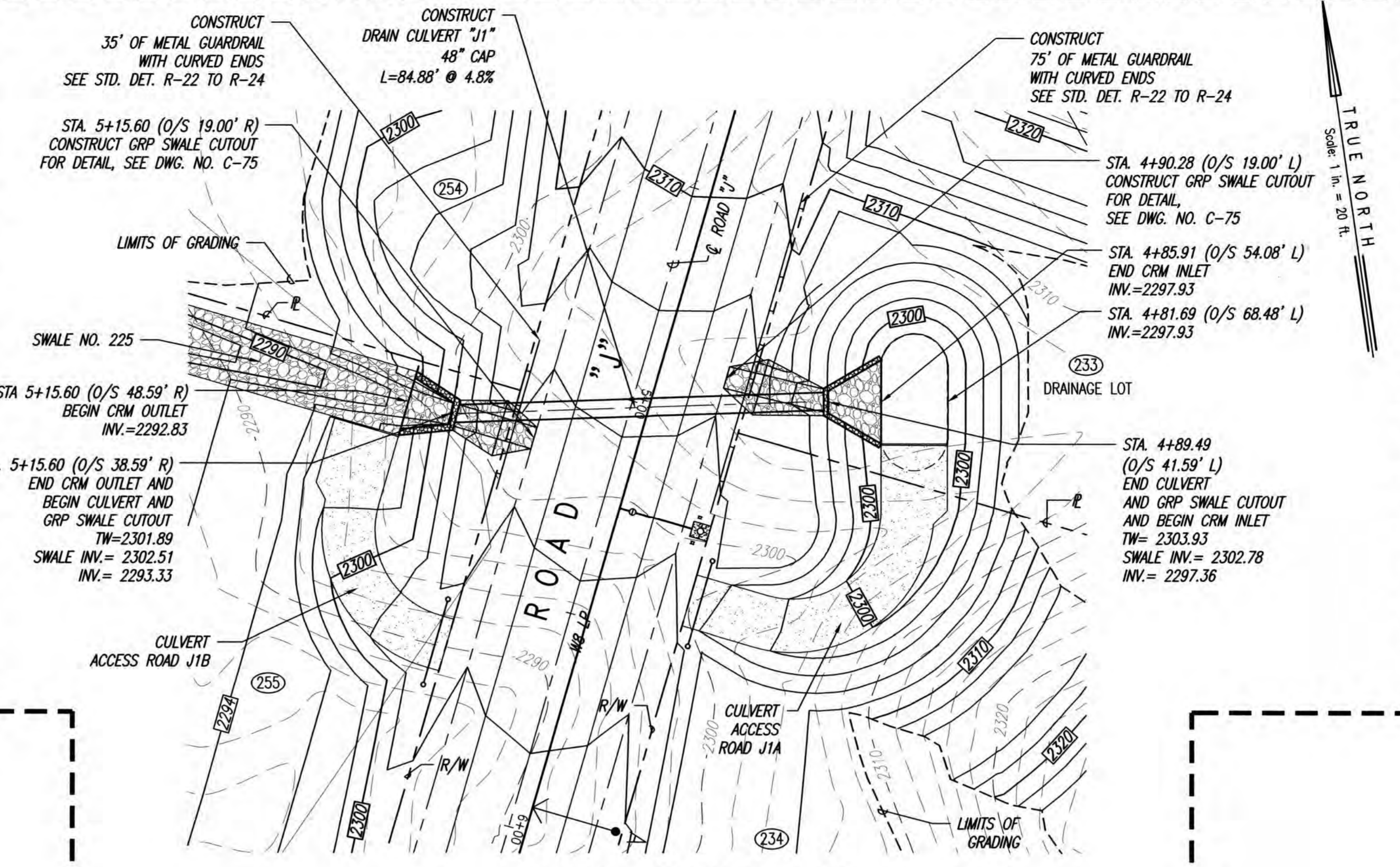


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

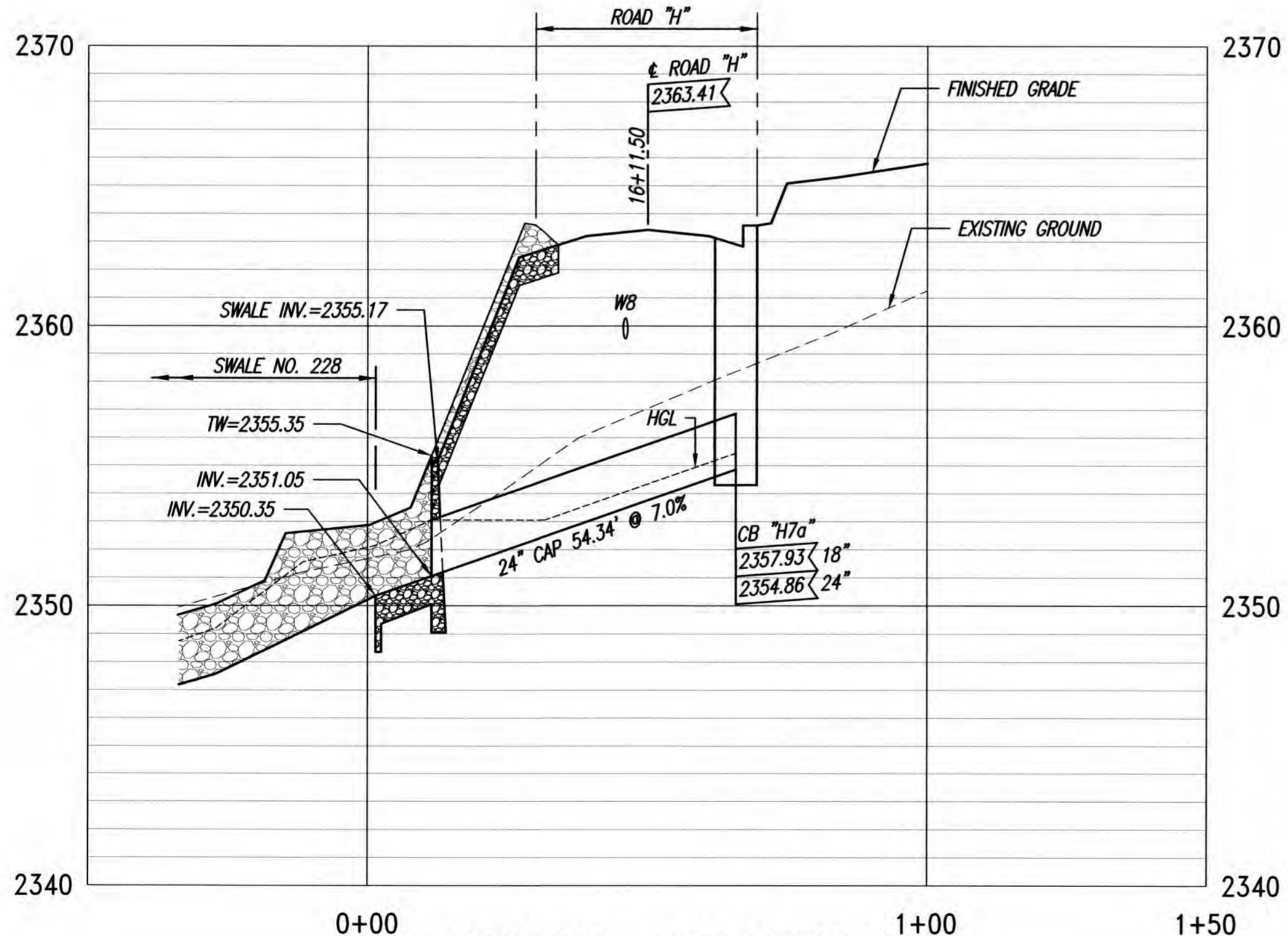
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1286 Queen Emma Street, Third Floor Honolulu, Hawaii			
KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B KEOKEA & WAIOHULI, MAKAWAO, MAUI OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023			
PLAN AND PROFILE DRAIN CULVERTS "H5" & "H6" - BASE BID			
DRAWN BY: JSO	ENGINEER: FJC	CHECKED BY: AMM	



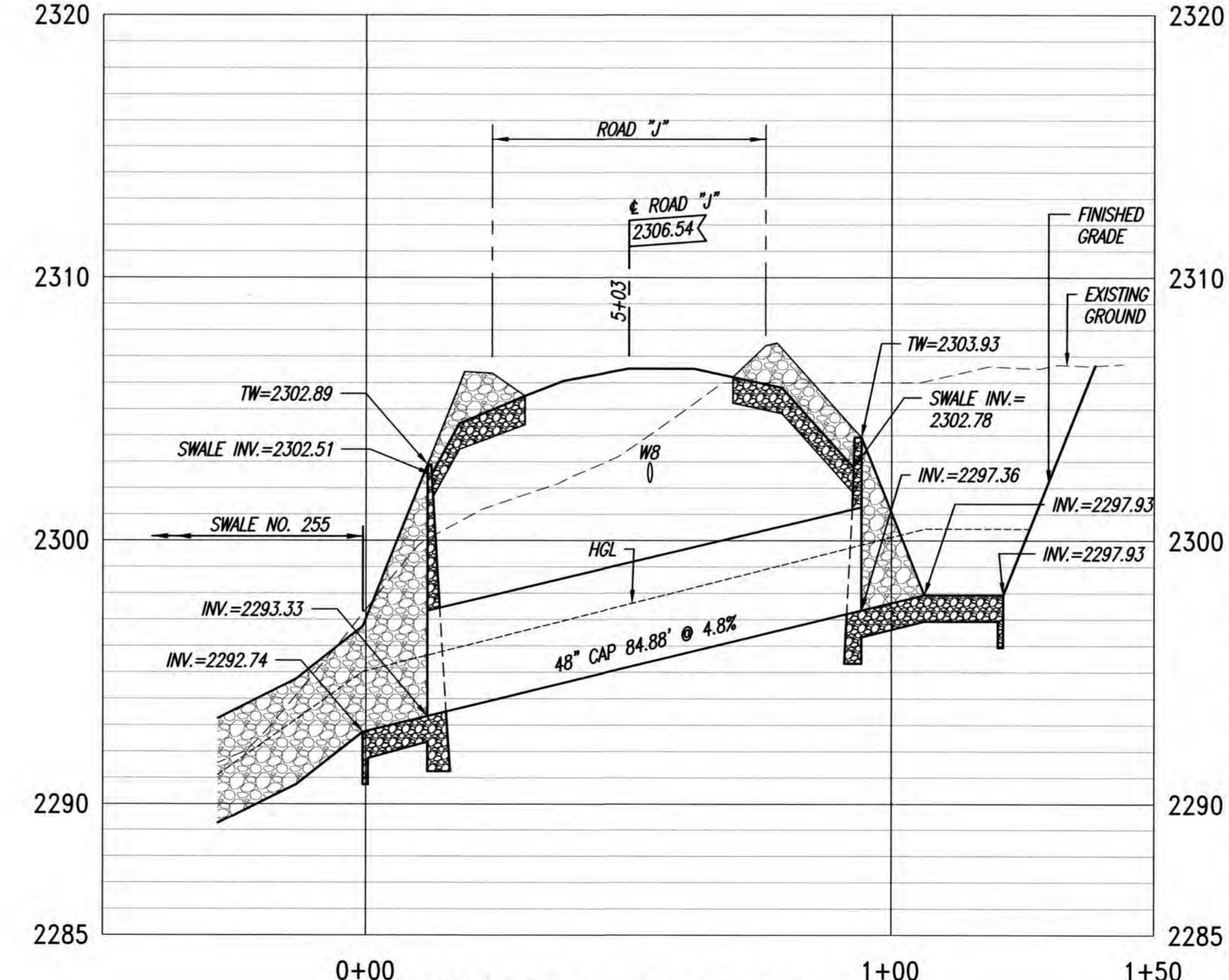
PLAN - CULVERT "H7"
SCALE: 1"=20'



PLAN - CULVERT "J1"
SCALE: 1"=20'

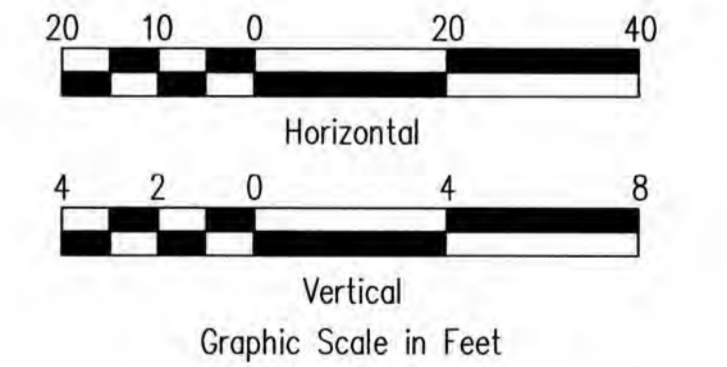


PROFILE - CULVERT "H7"
SCALES: HORIZ. 1"=20'
VERT. 1"= 4'



PROFILE - CULVERT "J1"
SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

- LEGEND**
- LIMITS OF GRADING
 - 2500- EXISTING GROUND CONTOUR
 - 2450- FINISH GRADE CONTOUR
 - - - PROPERTY LINE
 - +--+ GUARDRAIL
 - o CATTLE GATE
 - WB- NEW WATER LINE
 - ←-→ TYPE "A" SERVICE LATERAL
 - ↑-↓ TYPE "A-1" SERVICE LATERAL
 - (216) LOT NUMBER



BASE BID/ADDITIVE ALTERNATE

ADDITIVE ALTERNATE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

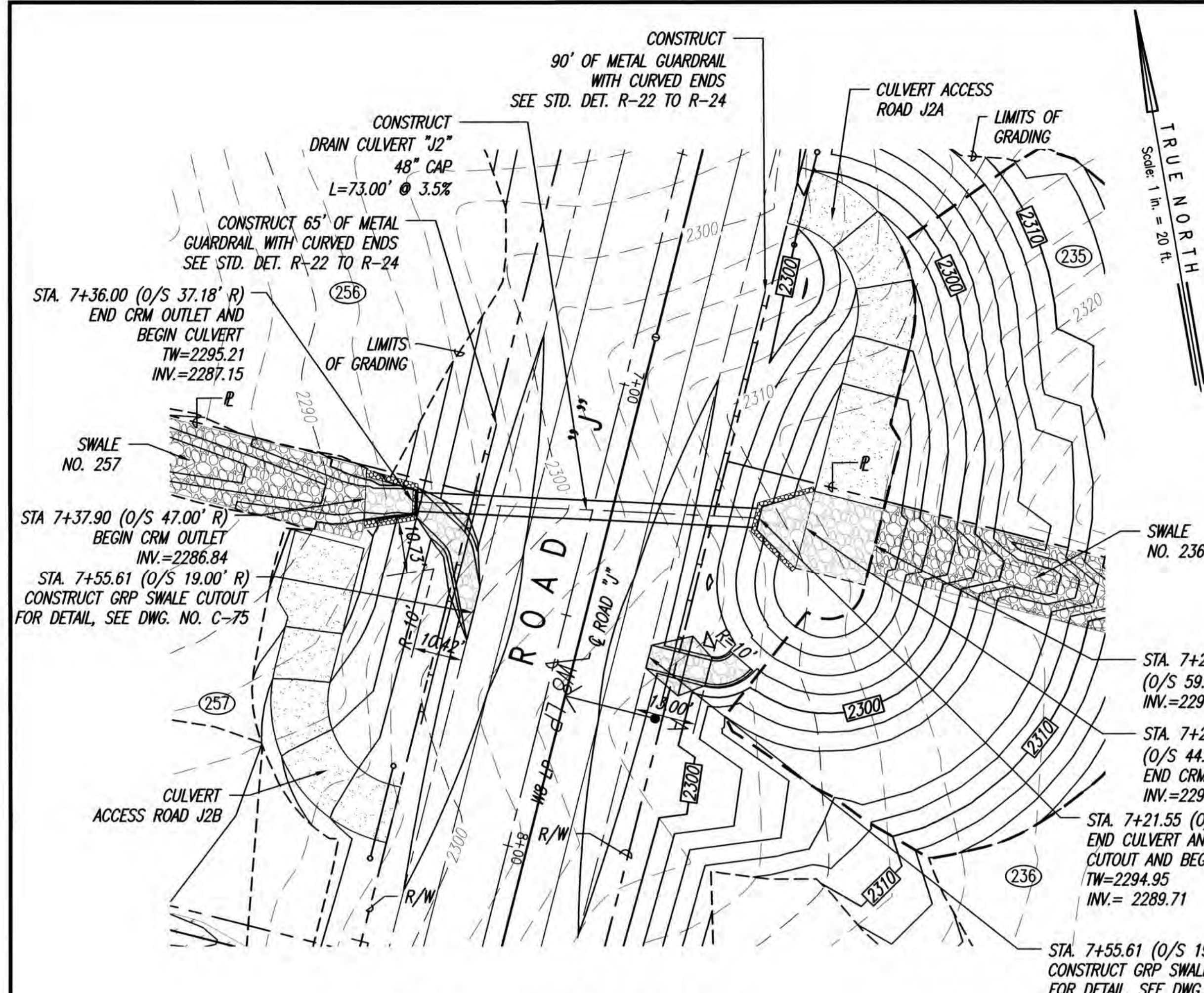
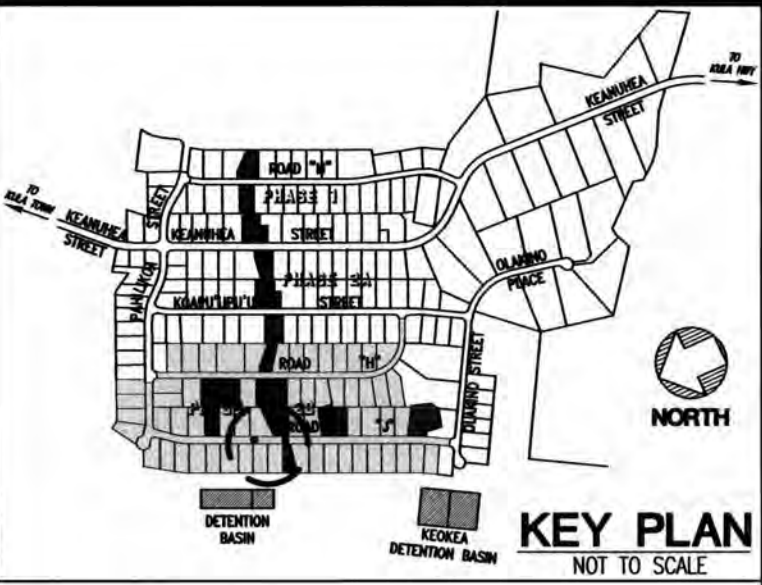
Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1286 Queen Emma Street, Third Floor Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
KEOKEA & WAIOHULI, MAKAWAO, MAUI
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: (2) 2-2-002-014 AND (2) 2-2-033-023

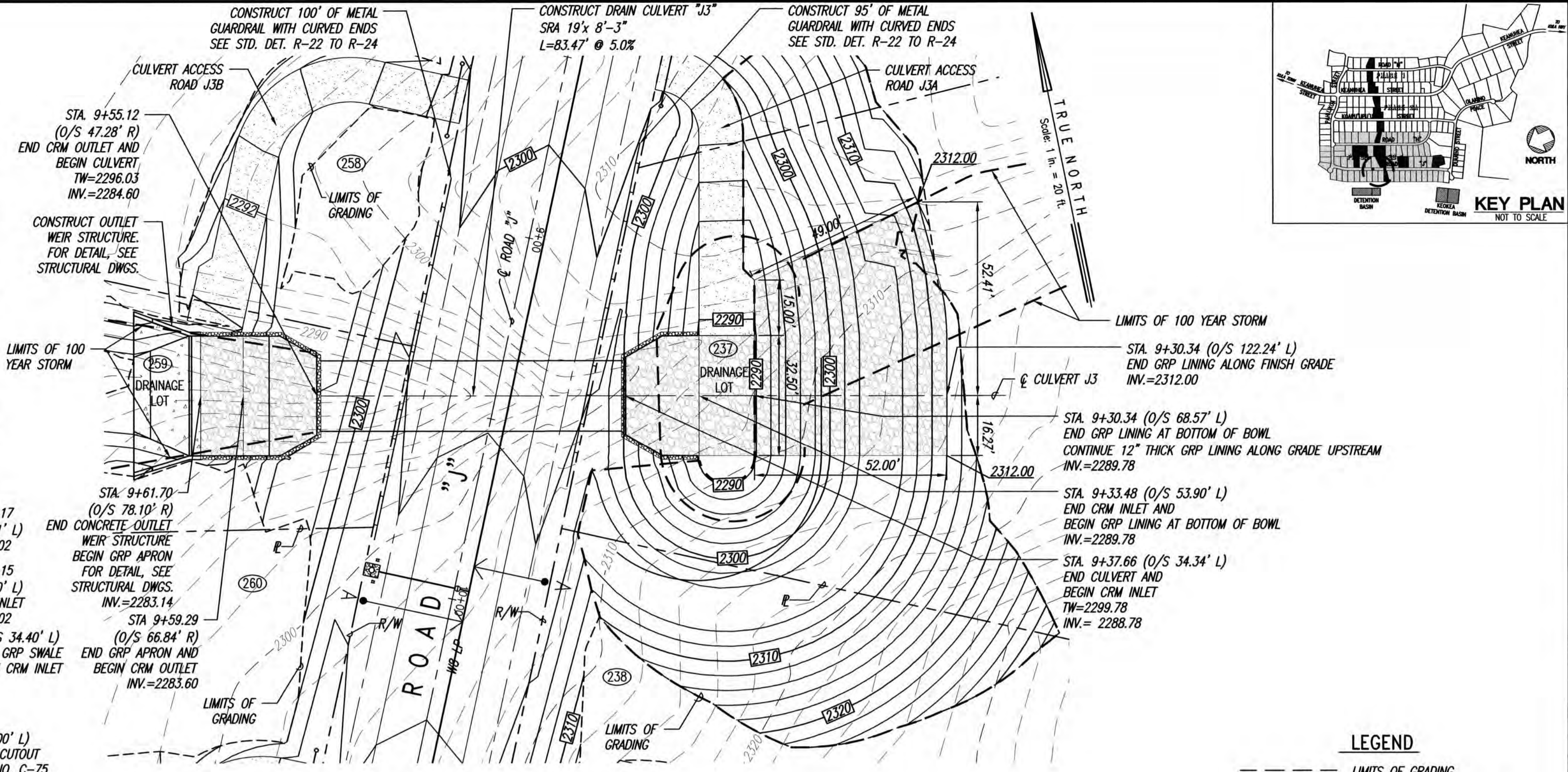
PLAN AND PROFILE DRAIN CULVERTS "H7" & "J1" - BASE BID/ADDITIVE ALTERNATE

DRAWN BY: HW1	ENGINEER: HW1, FJC	CHECKED BY: AMM
---------------	--------------------	-----------------

FILE	POCKET	FOLDER	NO.
------	--------	--------	-----

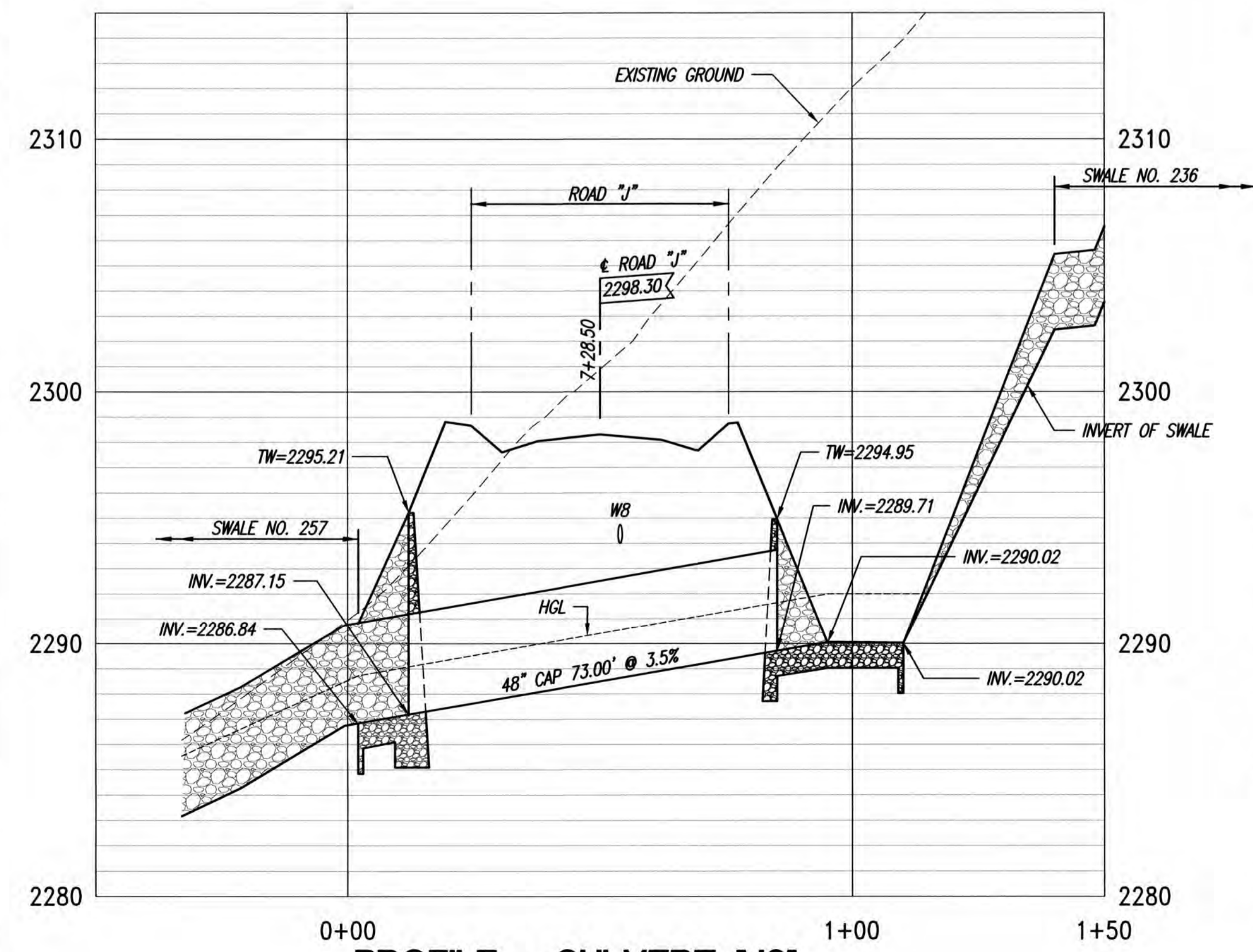
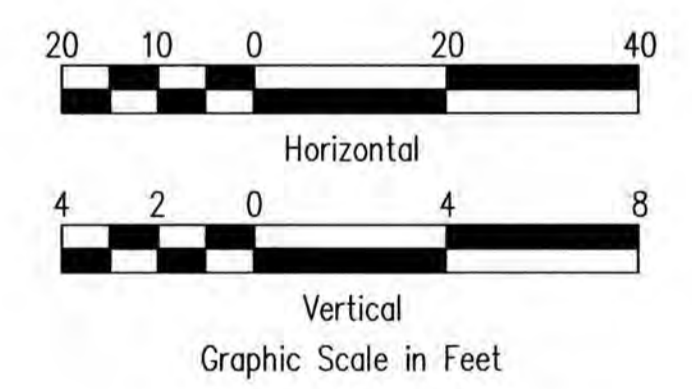


PLAN - CULVERT "J2"
SCALE: 1"=20'

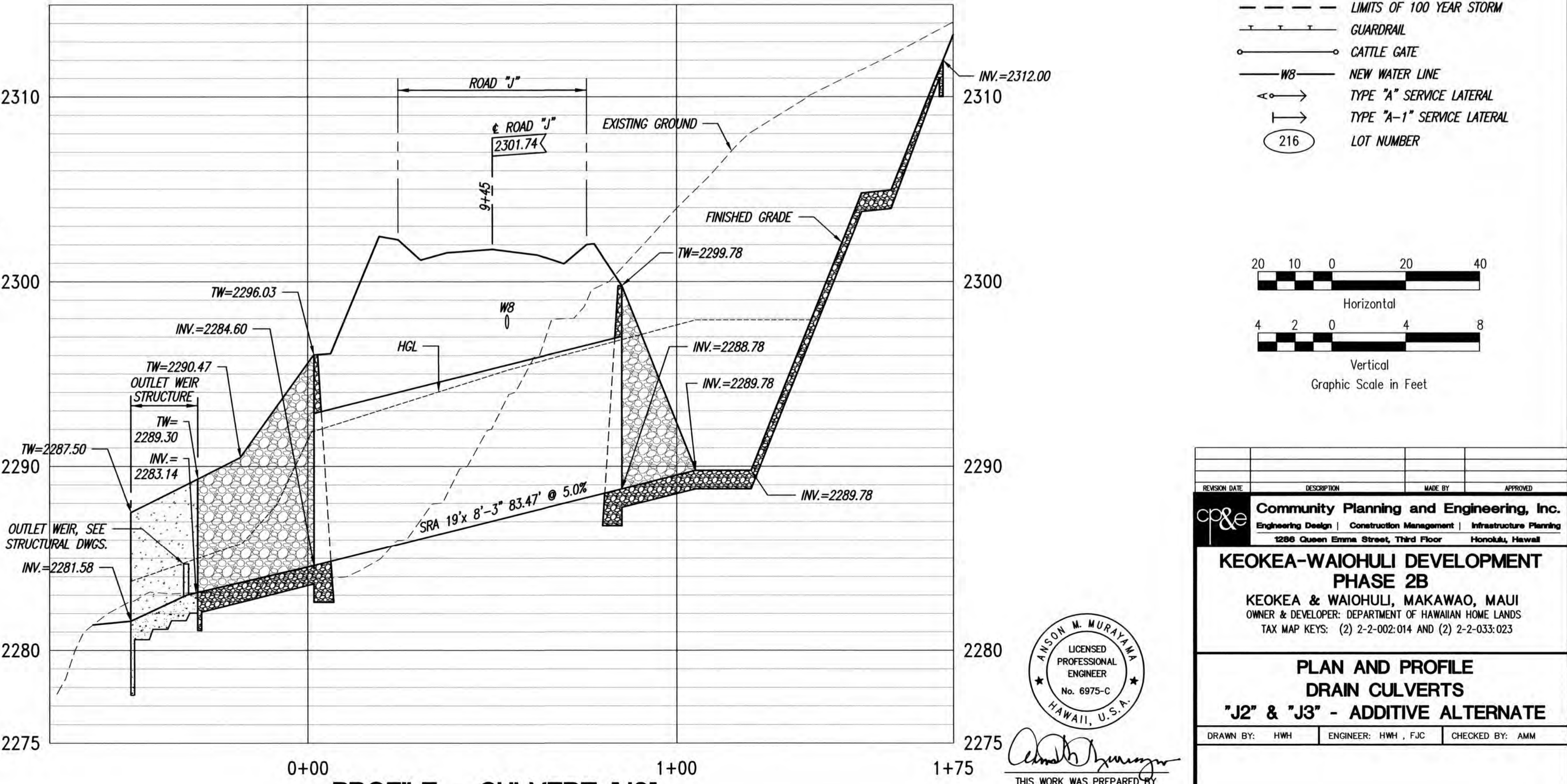


PLAN - CULVERT "J3"
SCALE: 1"=20'

- LEGEND**
- LIMITS OF GRADING
 - - - 2500 EXISTING GROUND CONTOUR
 - 2450 FINISH GRADE CONTOUR
 - PROPERTY LINE
 - LIMITS OF 100 YEAR STORM
 - GUARDRAIL
 - CATTLE GATE
 - WB NEW WATER LINE
 - TYPE "A" SERVICE LATERAL
 - TYPE "A-1" SERVICE LATERAL
 - (216) LOT NUMBER

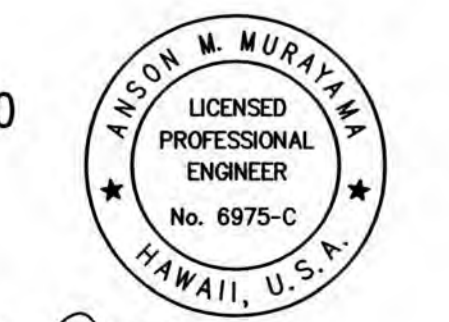


PROFILE - CULVERT "J2"
SCALES: HORIZ. 1"=20'
VERT. 1"= 4'



PROFILE - CULVERT "J3"
SCALES: HORIZ. 1"=20'
VERT. 1"= 4'

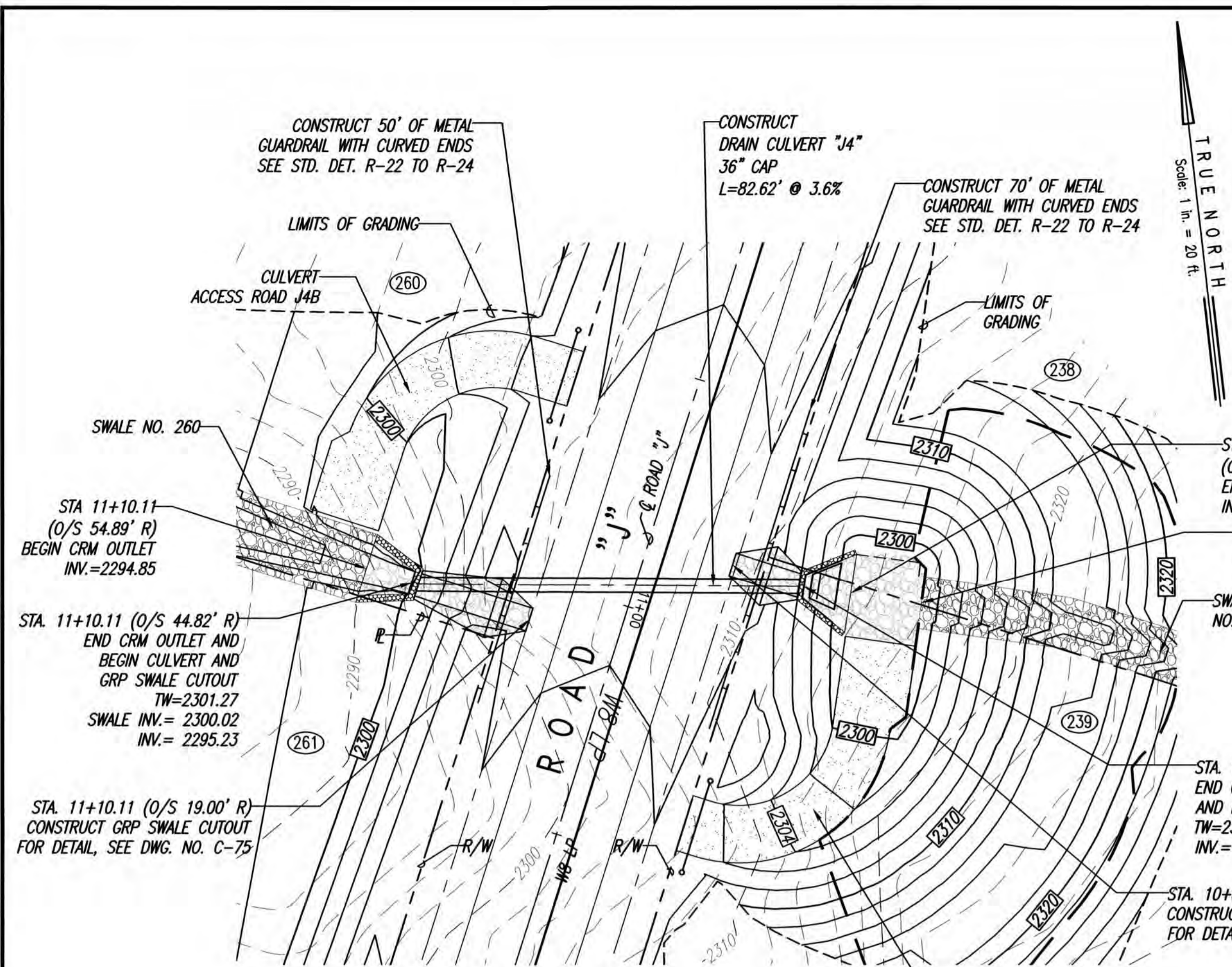
ADDITIVE ALTERNATE



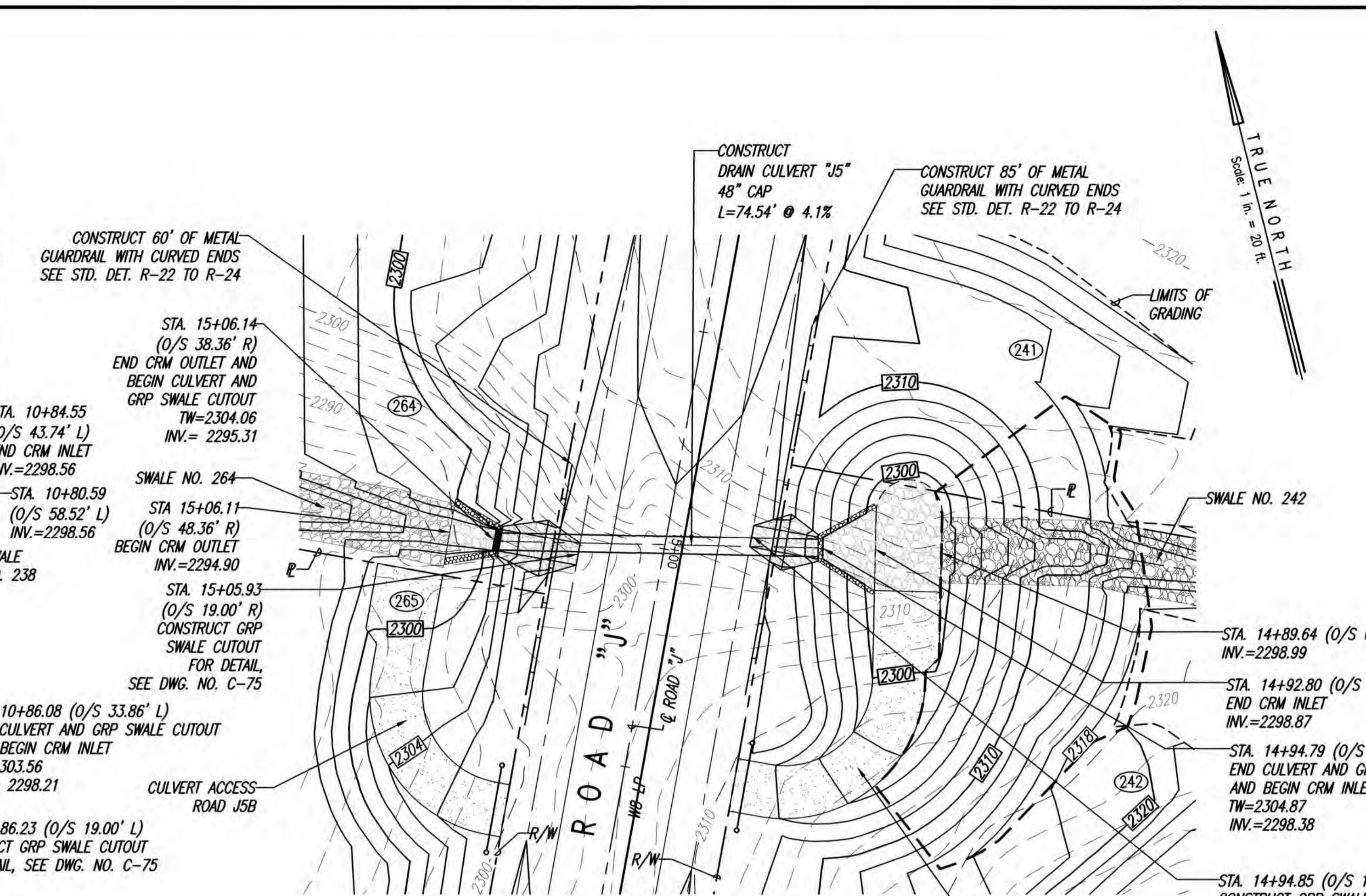
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
<p>Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1286 Queen Emma Street, Third Floor Honolulu, Hawaii</p>			
<p>KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B KEOKEA & WAIOHULI, MAKAWAO, MAUI OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: (2) 2-2-002-014 AND (2) 2-2-033-023</p>			
<p>PLAN AND PROFILE DRAIN CULVERTS "J2" & "J3" - ADDITIVE ALTERNATE</p>			
DRAWN BY: HWH	ENGINEER: HWH, FJC	CHECKED BY: AMM	

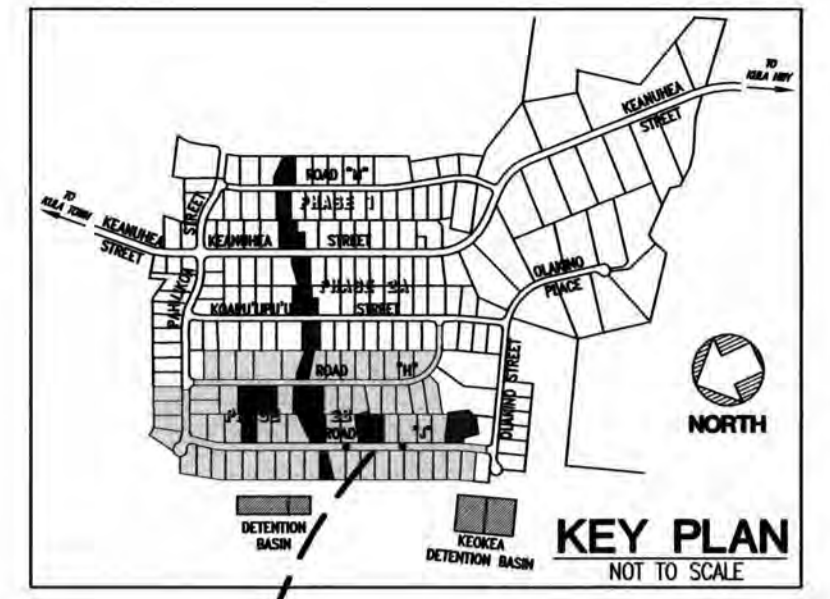
FILE	POCKET	FOLDER	NO.
------	--------	--------	-----



PLAN - CULVERT "J4"
SCALE: 1"=20'

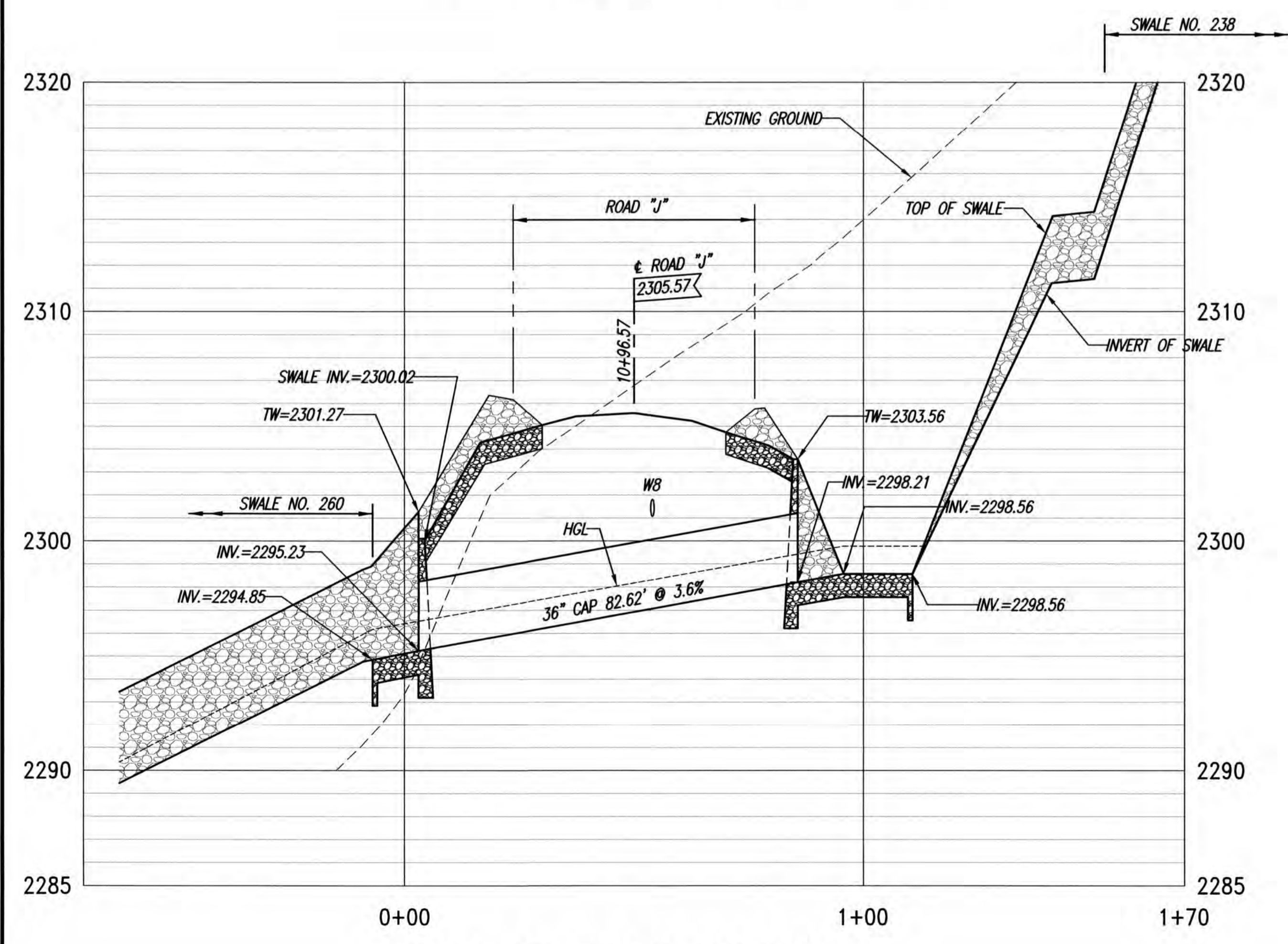
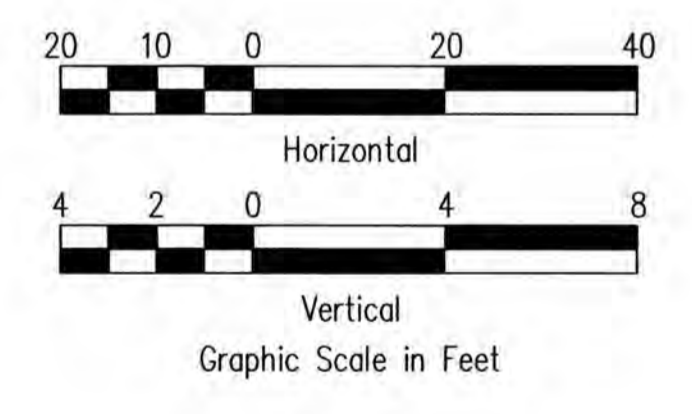


PLAN - CULVERT "J5"
SCALE: 1"=20'

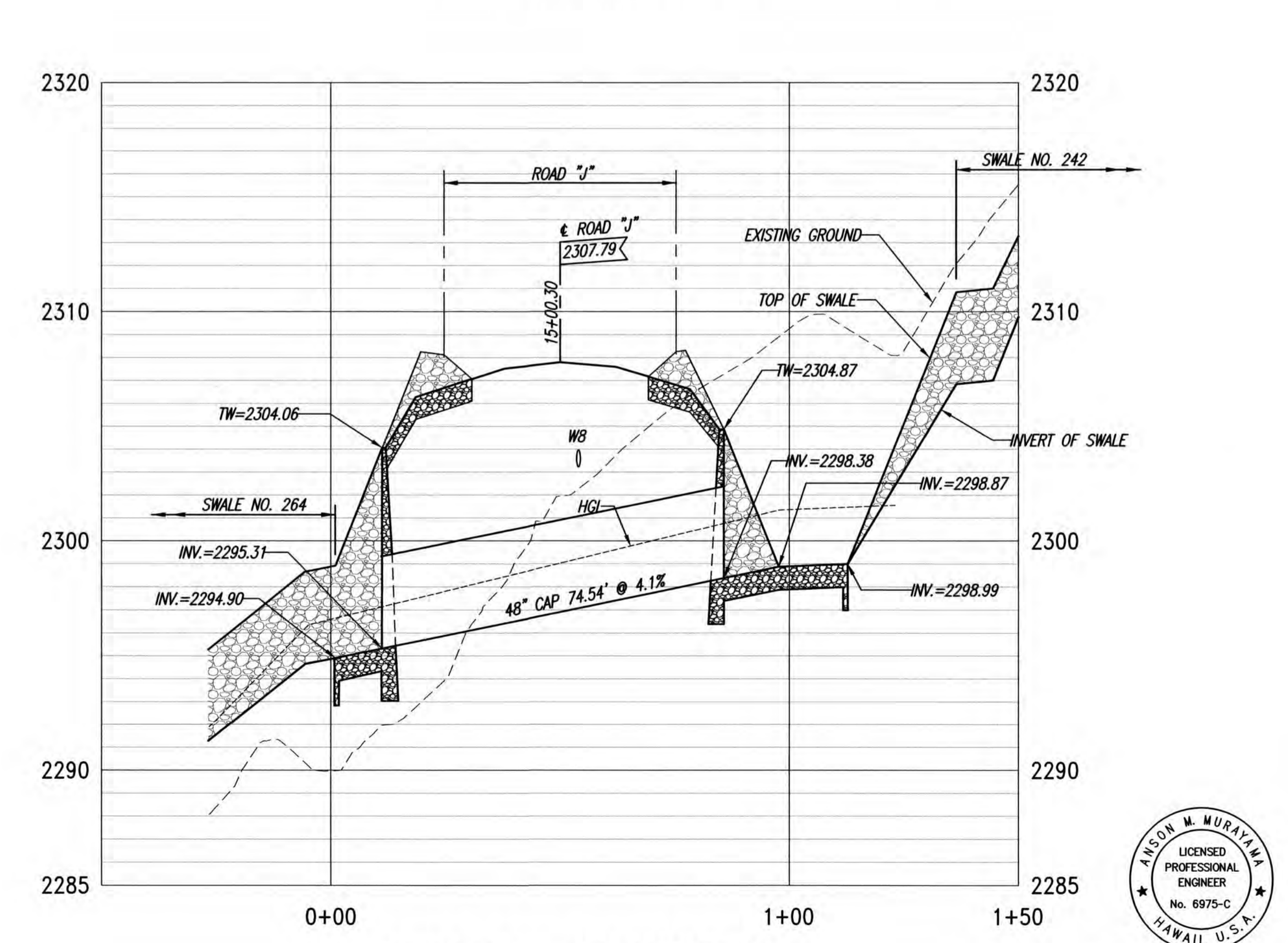


LEGEND

- LIMITS OF GRADING
- - - - - EXISTING GROUND CONTOUR
- ▭ FINISH GRADE CONTOUR
- PROPERTY LINE
- GUARDRAIL
- CATTLE GATE
- WB NEW WATER LINE
- ◁ ▷ TYPE "A" SERVICE LATERAL
- ▭ TYPE "A-1" SERVICE LATERAL
- ② LOT NUMBER



PROFILE - CULVERT "J4"
SCALES: HORIZ. 1"=20'
VERT. 1"=4'



PROFILE - CULVERT "J5"
SCALES: HORIZ. 1"=20'
VERT. 1"=4'

ADDITIVE ALTERNATE

ANSON M. MURAYAMA
LICENSED PROFESSIONAL ENGINEER
No. 6975-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/26

Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1286 Queen Emma Street, Third Floor | Honolulu, Hawaii

KEOKEA-WAIOHULI DEVELOPMENT PHASE 2B
KEOKEA & WAIOHULI, MAKAWAO, MAUI
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: (2) 2-2-002:014 AND (2) 2-2-033:023

PLAN AND PROFILE DRAIN CULVERTS "J4" & "J5" - ADDITIVE ALTERNATE

DRAWN BY: HWH | ENGINEER: HWH, FJC | CHECKED BY: AMM