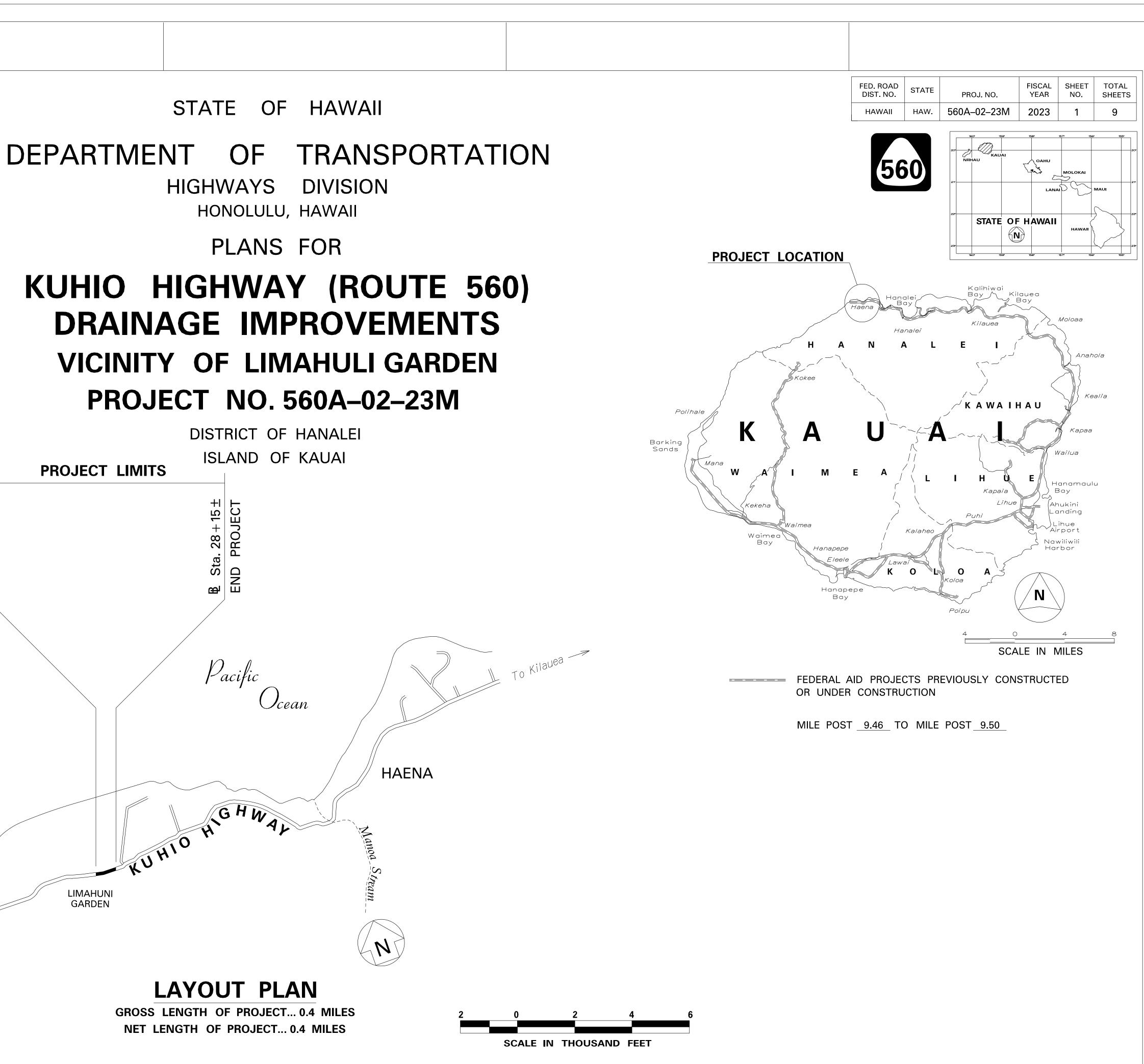
	INDEX TO DRAWINGS				
SHEET NO. DESCRIPTION					
1	TITLE SHEET				
2	STANDARD PLANS SUMMARY				
3	GENERAL NOTES & LEGEND				
4 - 6	WATER POLLUTION AND EROSION CONTROL NOTES				
7	TYPICAL SECTIONS				
8	ROADWAY PLANS				
9	LOW SPEED UNDIVIDED HIGHWAY WORK ZONE SIGNING PLAN, DETAILS & NOTES				

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APRIL 2023 DATE 241–3000 PHONE HWY-KE MANAGED BY HWY-K DESIGNED BY

Kee Beach To Kee Beach



PLANDARD	TITLE	DATE	S T Pl
B-01 ©	NOTES & MISCELLANEOUS DETAILS	05/31/07	
B-03 ·	BACKFILL DETAILS AT EARTH RETAINING STRUCTURES	05/31/07	H
B-12	PRESTRESSED CONCRETE PILES & COMPRESSION SPLICE	05/31/07	H
	CAN DETAILS		H
B-12A	PRESTRESSED CONCRETE PILES, PILE & COMPRESSION	05/31/07	H
	SPLICE CAN DETAILS & NOTES		H
B-12B	PILE INTERACTION DIAGRAM	05/31/07	F
B-13	PRESTRESSED CONCRETE PILE BUILD-UP DETAILS	05/31/07	F
D-01	CATTLE GATE	05/31/07	
D-02	CHAIN LINK FENCE WITH TOPRAIL	05/31/07	
D-02	CHAIN LINK FENCE WITHOUT TOPRAIL	05/31/07	
D-04	WIRE FENCE WITH METAL POSTS	05/31/07	
D-05	TYPICAL DETAILS OF CURBS AND/OR GUTTERS	05/31/07	
D-06	TYPICAL DETAIL OF REINFORCED CONCRETE DROP DRIVEWAY	05/31/07	
D-07	CENTERLINE AND REFERENCE SURVEY MONUMENTS	05/31/07	
D-08	STREET SURVEY MONUMENT	05/31/07	
D-15	CONCRETE SIDEWALK	05/31/07	
D-16	P.C.C. BUS PAD	05/31/07	
D-17	P.C.C. BUS PAD	05/31/07	
D-18	P.C.C. PAVEMENT LAYOUT	05/31/07	
D-19	P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS	05/31/07	
D-20	P.C.C. PAVEMENT W/ PERMEABLE BASE JOINT DETAILS	05/31/07	H
D-21	P.C.C. LONGITUDINAL JOINT DETAILS	05/31/07	
D-22	P.C.C. CONNECTION TO CURBS AND GUTTERS	05/31/07	H
D-23	JOINTS	05/31/07	H
			H
			H
L-01	TREE PLANTING	08/16/06	H
L-02 ·	TREE PLANTING	08/16/06	H
L-03	TREE TRANSPLANTING	08/16/06	H
L-04	PALM PLANTING	08/16/06	H
L-05	SHRUB PLANTING	08/16/06	H
L-06	LANDSCAPE DETAILS	08/16/06	H
L-07	LANDSCAPE DETAILS LANDSCAPE DETAILS	08/16/06	H
L-08 ·	LANDSCAPE DETAILS	08/16/06	H
L-10	LANDSCAPE DETAILS	08/16/06	
L-11	PLANTING NOTES	08/16/06	
L-12	IRRIGATION DETAILS	08/16/06	
L-13	IRRIGATION DETAILS	08/16/06	
L-14	IRRIGATION DETAILS	08/16/06	T
L-15	IRRIGATION DETAILS	08/16/06	T
L-16	IRRIGATION DETAILS	08/16/06	T
L-17	IRRIGATION DETAILS	08/16/06	T
L-18	IRRIGATION DETAILS	08/16/06	T
L-19	IRRIGATION DETAILS	08/16/06	T
L-20 ·	IRRIGATION DETAILS	08/16/06	T
L-21	IRRIGATION DETAILS	08/16/06	T
L-22	IRRIGATION DETAILS	08/16/06	T
L-23	IRRIGATION DETAILS	08/16/06	Т
L-24	IRRIGATION NOTES	08/16/06	Т

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5	TANDARD F			SUMMARY		[]	HAWA		№ . 560A-02-23	M 2023	2 9
ANDARD An NO.	TITLE	DATE	STANDARD Plan no.	TITLE	DATE	STANDARD Plan no.			TITLE		DATE
01A ·	TYPE A CATCH BASIN	05/31/07	TE-09	BIKE ROUTE SIGN & SUPPLEMENTARY PLATES	07/11/08	TE-31 ·	PAVEMENT AL	PHABETS,	NUMBERS & SYMBOI	_S	07/11/(
01B ·	TYPE B CATCH BASIN	05/31/07	TE-10	INTERSTATE ROUTE MARKER	07/11/08	TE-32	TYPE I & II	TRAFFIC	SIGNAL SYSTEM M	ISC. DETAILS	05/31/0
01C ·	TYPE C CATCH BASIN	05/31/07	TE-11	STATE ROUTE MARKER AND AUXILIARY MARKERS	07/11/08	TE-33	type II tra	FFIC SIGN	IAL SYSTEM		08/16/0
)1D ·	TYPE D CATCH BASIN	05/31/07	TE-12	STATE ROUTE MARKER AND BORDER DETAIL FOR	07/11/08	TE-33A.1	TYPE II TRA	FFIC SIGN	IAL STANDARD		05/31/0
)1E ·	CATCH BASIN SECTIONS	05/31/07		GUIDE SIGNS		TE-33A.2	TYPE II TRA	FFIC SIGN	IAL STANDARD		05/31/(
2A ·	TYPE A1 CATCH BASIN	05/31/07	TE-12A	ROUTE SIGN ASSEMBLIES	07/11/08	TE-34 ·	LOOP DETECT	OR DETAIL	S		07/11/
2B ·	TYPE B2 CATCH BASIN	05/31/07	TE-13	STREET NAME SIGN ON MAST ARM	07/11/08	TE-35	LOOP DETECT	ORS & DUC	T DETAILS		07/11/
<u>2</u> C ·	TYPE C1 CATCH BASIN	05/31/07	TE-14	MISCELLANEOUS REFLECTOR MARKERS	07/11/08	TE-36	TRAFFIC SIG	NAL DETAI	LS		07/11/
2D ·	TYPE D1 CATCH BASIN	05/31/07	TE-15 ·	OBJECT MARKERS	07/11/08	TE-37	PULLBOX & C	OVER DETA	ILS		07/11/0
2E ·	CATCH BASIN SECTION	05/31/07	TE-16 ·	MILE POSTS	07/11/08	TE-37A	TYPE "A" TR	AFFIC PUL	LBOX		05/31/0
3.	TYPE A,B, AND C STORM DRAIN MANHOLE	05/31/07	TE-17A	CANTILEVER OVERHEAD SIGN ELEVATION & DETAILS	05/31/07	TE-37B ·	TYPE "A" TR	AFFIC PUL	LBOX REINFORCING	Ĵ	05/31/0
4 .	TYPE D STORM DRAIN MANHOLE	05/31/07	TE-17B	CANTILEVER SIGN FRAME DETAIL AND SECTION	05/31/07	TE-37C	TYPE "B" TR	AFFIC PUL	LBOX		05/31/0
-)	TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES	05/31/07	TE-17C	CANTILEVER SIGN FRAME DETAIL	05/31/07	TE-37D			LBOX REINFORCING	Ĵ	05/31/0
	TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES	05/31/07	TE-17D	CANTILEVER SIGN FRAME SECTION	05/31/07	TE-37E			LBOX FOUNDATION		05/31/0
7	CATCH BASIN AND MANHOLE CASTINGS	05/31/07	TE-17E	CANTILEVER SIGN FRAME DETAILS	05/31/07	TE-37F	TYPE "C" TR				05/31/0
} .	TYPE 1A-9 AND 1A-9P GRATED DROP INLET	05/31/07	TE-18A	TWO POST OVERHEAD SIGN FRAME ELEVATIONS	05/31/07	TE-37G			LBOX REINFORCING	Ĵ	05/31/0
) .	TYPE 2A-9 AND 2A-9P GRATED DROP INLET	05/31/07	TE-18B	TWO POST SIGN FRAMING PLAN SECTION	05/31/07	TE-37H			LBOX FOUNDATION		05/31/0
	TYPE A-9 OR A-9P STEEL FRAMES	05/31/07	TE-18C	TWO POST SIGN FRAMING SECTIONS AND DETAILS	05/31/07	TE-37J			R AND DETAILS		05/31/0
	TYPE A-9 AND A-9P STEEL GRATES	05/31/07	TE-18D	TWO POST SIGN FRAME DETAILS	05/31/07	TE-38			NAL STANDARD		05/31/0
	TYPE 61614P AND 1211214P GRATED DROP INLET	05/31/07	TE-18E	TWO POST SIGN FRAME DETAILS	05/31/07	TE-38A.1			NAL STANDARD		05/31/0
	TYPE 61616P AND 1211216P GRATED DROP INLET	05/31/07	TE-19A	OVERHEAD SIGN FRAMING SCHEDULE	05/31/07	TE-38A.2			NAL STANDARD		05/31/0
	TYPE 61214P GRATED DROP INLET	05/31/07	TE-19B	SIGN POST DRILLED SHAFT FOUNDATION	05/31/07	TE-39			ECTION TO CONCR	ETE BARRIER	07/11/0
	TYPE 1211214, 1211214P, 1211216, 1211216P STEEL	05/31/07	TE-19C	SPREAD FOOTING	05/31/07	TE-40	CONCRETE BA				05/31/0
	FRAME AND GRATES		TE-19D	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-40A			NSITION SECTIONS	 ς	05/31/0
	TYPE 61614, 61614P, 61616, 61616P STEEL FRAME	05/31/07	TE-19D.1	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-41			GID BARRIER)		05/31/0
	AND GRATES		TE-19D.2	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-42	PORTABLE CO				05/31/0
	TYPE 61214 STEEL FRAMES AND GRATES	05/31/07	TE-19D.3	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-43	PORTABLE CO				05/31/0
	TYPE 61214P STEEL GRATES	05/31/07	TE-19D.4	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-44	GUARDRAIL T	YPE 4 MIS	CELLANEOUS DETA	ILS	07/11/0
	TYPE 61614B STEEL FRAME AND GRATES	05/31/07	TE-19D.5	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-45	BARRICADES				07/11/0
	CEMENT RUBBLE MASONRY STRUCTURES	05/31/07	TE-19E	ANCHORAGE DETAILS	05/31/07	TE-46	DELINEATION	& PAVEME	NT MARKINGS AT I	NARROW BRIDGE	S 07/11/0
	CONCRETE AND CEMENT RUBBLE MASONRY STRUCTURES	05/31/07	TE-19F	ANCHORAGE DETAILS	05/31/07	TE-47 ·	HIGHWAY LIG	HT STANDA	RD		05/31/0
	INLET/OUTLET STRUCTURE	05/31/07	TE-19G	MISCELLANEOUS SIGN FRAME DETAILS	05/31/07						
	INLET/OUTLET STRUCTURE	05/31/07	TE-19H	LUMINAIRE WALKWAY SUPPORT	05/31/07						
	FLARED END SECTION FOR CULVERTS	05/31/07	TE-19J	FIXED MESSAGE LUMINAIRE SUPPORT	05/31/07						I
	FLARED END SECTION FOR CULVERTS	05/31/07	TE-19K	MISCELLANEOUS SIGN DETAILS	05/31/07						
	CONCRETE SPILLWAY INLET	05/31/07	TE-19L	MISCELLANEOUS SIGN DETAILS	05/31/07						
	CAP COUPLING DETAILS STANDARD JOINT	05/31/07	TE-19M	MISCELLANEOUS SIGN FRAME DETAILS							
	REINFORCED CONCRETE COLLAR & JACKET	05/31/07	TE-20	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07						
	UNDERDRAIN CLEANOUT STEEL FRAME AND COVER	05/31/07	TE-20A	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07						
	UNDERDRAIN CONNECTION TO DRAINAGE STRUCTURE	05/31/07	TE-20B	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07						
			TE-20C	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07		NO	- 0 - 0			
			TE-21A	SIGN BREAKAWAY MOUNTS	05/31/07				PLANS APP	IICARIF	то тні
			TE-21B	SIGN BREAKAWAY MOUNTS	05/31/07				ARE INDICA		
	SIGN HEIGHT AND LOCATION	07/11/08	TE-22	LAMINATED ALUMINUM SIGN PANELS (OVERHEAD)	05/31/07				THE STANDA		
<u>д</u> .	SIGN INSTALLATION	07/11/08	TE-23	LAMINATED ALUMINUM SIGN PANELS (GROUND MOUNTED)	07/11/08				MPLE: D-07		
A ·	GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07	TE-24	SOLID ALUMINUM EXTRUDED SIGN PANEL AND	05/31/07						
B	GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07		ACCESSORY DETAILS					STATE OF	HAWAII	
C ·	GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07	TE-25	GUIDE SIGNS LUMINAIRE MOUNTINGS	05/31/07			DEPA	RTMENT OF T highways [RANSPORTA	TION
A ·	GALVANIZED SQUARE TUBE SIGN POST MOUNTING	05/31/07	TE-26	RAISED PAVEMENT MARKERS AND STRIPING	07/11/08			$T \land \land$	ARD PLA		$\Lambda / \Lambda / \Lambda \square$
B ·	GALVANIZED SQUARE TUBE SIGN POST MOUNTING	05/31/07	TE-27	RAISED PAVEMENT MARKERS AND STRIPING	07/11/08			I MIVL	MIND I LA	1110 201	VI IVI /
	REGULATORY SIGNS	07/11/08	TE-28	ENTRANCE AND EXIT PAVEMENT MARKINGS	07/11/08			KUH	IO HIGHWAY	(ROUTE 5	560)
·	WARNING SIGNS	07/11/08						DR,	AINAGE IMP.	ROVEMENT	-5
				MISCELLANEOUS PAVEMENT MARKINGS	07/11/08				cinity of Lima		
	MISCELLANEOUS SIGNS	07/11/08	IE-28A - I								
))	MISCELLANEOUS SIGNS CONSTRUCTION SIGNS	07/11/08	TE-28A TE-29	PAVEMENT ARROWS AND SYMBOLS	07/11/08					DA-02-23M	
4 · 5 · 6 · 7 © 8 · ·		07/11/08 07/11/08 07/11/08							roject No. 560	<u>DA-02-23M</u> Date: Apr	il 2023

STANDARD Plan no.	TITLE	DATE
H-01A	TYPE A CATCH BASIN	05/31/07
H-01B	TYPE B CATCH BASIN	05/31/07
H-01C	TYPE C CATCH BASIN	05/31/07
H-01D ·	TYPE D CATCH BASIN	05/31/07
H-01E	CATCH BASIN SECTIONS	05/31/07
H-02A	TYPE A1 CATCH BASIN	05/31/07
H-02B	TYPE B2 CATCH BASIN	05/31/07
H-02C	TYPE C1 CATCH BASIN	05/31/07
H-02D	TYPE D1 CATCH BASIN	05/31/07
H-02E	CATCH BASIN SECTION	05/31/07
H-03	TYPE A,B, AND C STORM DRAIN MANHOLE	05/31/07
H-04	TYPE D STORM DRAIN MANHOLE	05/31/07
H-05	TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES	05/31/07
H-06	TYPICAL REINFORCING DETAILS FOR DRAINAGE STRUCTURES	05/31/07
H-07	CATCH BASIN AND MANHOLE CASTINGS	05/31/07
H-08	TYPE 1A-9 AND 1A-9P GRATED DROP INLET	05/31/07
H-09	TYPE 2A-9 AND 2A-9P GRATED DROP INLET	05/31/07
H-10 ·	TYPE A-9 OR A-9P STEEL FRAMES	05/31/07
H-11 ·	TYPE A-9 AND A-9P STEEL GRATES	05/31/07
H-12 ·	TYPE 61614P AND 1211214P GRATED DROP INLET	05/31/07
H-13 H-14	TYPE 61616P AND 1211216P GRATED DROP INLET TYPE 61214P GRATED DROP INLET	05/31/07
H-15	TYPE 1211214, 1211214P, 1211216, 1211216P STEEL	05/31/07 05/31/07
	FRAME AND GRATES	03731701
H-16	TYPE 61614, 61614P, 61616, 61616P STEEL FRAME	05/31/07
	AND GRATES	037 517 01
H-17 ·	TYPE 61214 STEEL FRAMES AND GRATES	05/31/07
H-18	TYPE 61214P STEEL GRATES	05/31/07
H-19	TYPE 61614B STEEL FRAME AND GRATES	05/31/07
H-20 ·	CEMENT RUBBLE MASONRY STRUCTURES	05/31/07
H-21 ·	CONCRETE AND CEMENT RUBBLE MASONRY STRUCTURES	05/31/07
H-22 ·	INLET/OUTLET STRUCTURE	05/31/07
H-23 ·	INLET/OUTLET STRUCTURE	05/31/07
H-24 ·	FLARED END SECTION FOR CULVERTS	05/31/07
H-25	FLARED END SECTION FOR CULVERTS	05/31/07
H-26	CONCRETE SPILLWAY INLET	05/31/07
H-27	CAP COUPLING DETAILS STANDARD JOINT	05/31/07
H-28	REINFORCED CONCRETE COLLAR & JACKET	05/31/07
H-29 ·	UNDERDRAIN CLEANOUT STEEL FRAME AND COVER	05/31/07
H-30 ·	UNDERDRAIN CONNECTION TO DRAINAGE STRUCTURE	05/31/07
TE-01 ·	SIGN HEIGHT AND LOCATION	07/11/08
TE-01A	SIGN INSTALLATION	07/11/08
TE-02A ·	GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07
TE-02B ·	GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07
TE-02C ·	GALVANIZED FLANGED CHANNEL SIGN POST MOUNTING	05/31/07
TE-03A	GALVANIZED SQUARE TUBE SIGN POST MOUNTING	05/31/07
TE-03B ·	GALVANIZED SQUARE TUBE SIGN POST MOUNTING	05/31/07
TE-04 ·	REGULATORY SIGNS	07/11/08
TE-05 ·	WARNING SIGNS	07/11/08
TE-06 ·	MISCELLANEOUS SIGNS	07/11/08
TE-07 🔘	CONSTRUCTION SIGNS	07/11/08

				FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTA SHEET
VS	SUMMARY			HAWAII	HAW.	560A-02-23M	2023	2	9
TANDARD			STANDARD						
PLAN NO.	TITLE	DATE	PLAN NO.			ITLE)ATE
E-09	BIKE ROUTE SIGN & SUPPLEMENTARY PLATES	07/11/08	TE-31	PAVEMENT ALPHA	BETS, NUM	MBERS & SYMBOLS		07	7/11/08
E-10	INTERSTATE ROUTE MARKER	07/11/08	TE-32	TYPE I & II TR	AFFIC SI	GNAL SYSTEM MIS	C. DETAILS	. 05	5/31/0
E-11	STATE ROUTE MARKER AND AUXILIARY MARKERS	07/11/08	TE-33	TYPE II TRAFFI	C SIGNAL	SYSTEM		80	3/16/06
TE-12	STATE ROUTE MARKER AND BORDER DETAIL FOR	07/11/08	TE-33A.1	TYPE II TRAFFI	C SIGNAL	STANDARD		05	5/31/07
	GUIDE SIGNS		TE-33A.2	TYPE II TRAFFI	C SIGNAL	STANDARD		05	5/31/07
E-12A	ROUTE SIGN ASSEMBLIES	07/11/08	TE-34	LOOP DETECTOR I)etails			07	7/11/08
TE-13	STREET NAME SIGN ON MAST ARM	07/11/08	TE-35	LOOP DETECTORS	& DUCT [DETAILS		07	7/11/08
FE-14	MISCELLANEOUS REFLECTOR MARKERS	07/11/08	TE-36	TRAFFIC SIGNAL	DETAILS				7/11/08
TE-15 ·	OBJECT MARKERS	07/11/08	TE-37	PULLBOX & COVE					7/11/08
TE-16	MILE POSTS	07/11/08	TE-37A	TYPE "A" TRAFF					5/31/07
TE-17A	CANTILEVER OVERHEAD SIGN ELEVATION & DETAILS	05/31/07	TE-37B	TYPE "A" TRAFF					5/31/07
TE-17B	CANTILEVER SIGN FRAME DETAIL AND SECTION	05/31/07	TE-37C	TYPE "B" TRAFF					5/31/07
TE-17C	CANTILEVER SIGN FRAME DETAIL	05/31/07	TE-37D	TYPE "B" TRAFF					5/31/07
TE-17D	CANTILEVER SIGN FRAME SECTION	05/31/07	TE-37E	TYPE "B" TRAFF					5/31/0
E-17E	CANTILEVER SIGN FRAME DETAILS	05/31/07	TE-37F	TYPE "C" TRAFF					5/31/0
TE-18A	TWO POST OVERHEAD SIGN FRAME ELEVATIONS	05/31/07	TE-37G	TYPE "C" TRAFF					5/31/0
TE-18B	TWO POST SIGN FRAMING PLAN SECTION	05/31/07	TE-37H	TYPE "C" TRAFF					5/31/0
TE-18C	TWO POST SIGN FRAMING SECTIONS AND DETAILS	05/31/07	TE-37J	TRAFFIC PULLBO					5/31/07
TE-18D	TWO POST SIGN FRAME DETAILS	05/31/07	TE-38	TYPE III TRAFF					5/31/07
TE-18E	TWO POST SIGN FRAME DETAILS	05/31/07	TE-38A.1	TYPE III TRAFF					5/31/07
TE-19A	OVERHEAD SIGN FRAMING SCHEDULE	05/31/07	TE-38A.2	TYPE III TRAFF					$5/31/0^{-1}$
TE-19B	SIGN POST DRILLED SHAFT FOUNDATION	05/31/07	TE-39			TION TO CONCRET	E BAKKIEK		7/11/08
TE-19C	SPREAD FOOTING	05/31/07	TE-40	CONCRETE BARRII					5/31/0
TE-19D	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-40A	CONCRETE BARRII					5/31/07
TE-19D.1	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-41	GUARDRAIL TYPE					5/31/07
TE-19D.2	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-42	PORTABLE CONCRI					5/31/07 5/31/07
TE-19D.3	SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-43 TE-44	PORTABLE CONCRI					7/11/08
TE-19D.4	SIGN FRAME FOUNDATION SCHEDULE SIGN FRAME FOUNDATION SCHEDULE	05/31/07	TE-44	BARRICADES	4 MIJUEL	LANEOUS DETAIL	<u> </u>		7/11/08
TE-19E	ANCHORAGE DETAILS	05/31/07	TE-46	DELINEATION & I		MARKINGS AT NA			7/11/08
TE-19F	ANCHORAGE DETAILS	05/31/07	TE-47	HIGHWAY LIGHT					5/31/07
TE-19G	MISCELLANEOUS SIGN FRAME DETAILS	05/31/07		HIOHWAT LIOHT	DIANDAND				
TE-19H	LUMINAIRE WALKWAY SUPPORT	05/31/07							
TE-19J	FIXED MESSAGE LUMINAIRE SUPPORT	05/31/07							
TE-19K	MISCELLANEOUS SIGN DETAILS	05/31/07							
TE-19L	MISCELLANEOUS SIGN DETAILS	05/31/07							
TE-19M	MISCELLANEOUS SIGN FRAME DETAILS								
TE-20	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07							
TE-20A	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07							
TE-20B	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07							
TE-20C	SUPPORTS FOR GROUND MOUNTED GUIDE SIGN	05/31/07		NOTES					
TE-21A	SIGN BREAKAWAY MOUNTS	05/31/07				LANS APPL		ТП	тціс
TE-21B	SIGN BREAKAWAY MOUNTS	05/31/07				RE INDICAT			
TE-22	LAMINATED ALUMINUM SIGN PANELS (OVERHEAD)	05/31/07				ie standar			
TE-23	LAMINATED ALUMINUM SIGN PANELS (GROUND MOUNTED)	07/11/08				₽LE: D-07			
TE-24	SOLID ALUMINUM EXTRUDED SIGN PANEL AND ACCESSORY DETAILS	05/31/07				STATE OF H			
TE-25	GUIDE SIGNS LUMINAIRE MOUNTINGS	05/31/07			DEPART	MENT OF TR	ANSPORT.	ATION	1
TE-26	RAISED PAVEMENT MARKERS AND STRIPING	07/11/08			$\wedge \wedge / \frown \wedge$	HIGHWAYS DIV		/ /	
TE-27	RAISED PAVEMENT MARKERS AND STRIPING	07/11/08			$\neg / \vee \square \square$	RD PLA	<u>vs su</u>	<u> </u>	$\underline{A\Pi}$
TE-28	ENTRANCE AND EXIT PAVEMENT MARKINGS	07/11/08			KUHIO	HIGHWAY (ROUTE	560)	
						NAGE IMPRO			
TE-28A .	MISCELLANEOUS PAVEMENT MARKINGS	07/11/08				nity of Limahu			
TE-29	PAVEMENT ARROWS AND SYMBOLS	07/11/08				ject No. 5604			
TE-30	PAVEMENT ALPHABETS, NUMBERS & SYMBOLS	07/11/08			<u> </u>	, , , , , , , , , , , , , , , , , ,	Date: Ap		<i>123</i>
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GE	ENERAL NOTES
1.	The scope of work for this project includes excavation and installi concrete swale.
2.	The Contractor is reminded of the requirements of Subsection 105.1 Subcontracts.
3.	The Contractor's attention is directed to the following Sections of special Provisions: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; and Section 645 - Work Zone Traffic Control.
4.	Any work specified in the contract but not listed separately in the schedule shall be considered incidental to other various contract it shall not be paid for separately.
5.	The Contractor shall notify the Engineer in writing, two (2) weeks , to starting paving operations.
6.	At the end of each day's work, the Contractor shall remove all equi and other obstructions to permit free and safe passage of public t
7.	All lanes shall be open to traffic during peak hours from 6:30 A.M. A.M., during aftrenoon peak hours from 3:30 P.M. to 6:30 P.M., and work hours, Only one lane of highway shall be closed at any other works shall not be allowed on this project. Failure of the Contract all lanes of traffic beyond the allowable lane closure hours specifie shall result in assessment of rental fees as specified in Section 10 Rental Fees for Unauthorized Lane closure or Occupancy. of the Sp Provisions.
8.	All workers within the State right-of-way who are exposed to eithe the roadway or to construction equipment shall wear high-visibility that meets the Performance Class 2 or 3 requirements of ANSI/IS "Workers" is defined as people on foot whose duties place them with right-of-way, such as, but not limited to construction and maintenant equipment operators, survey crews, utility crews, responders to inci EMT and firemen), and law enforcement personnel directing traffic, accidents, handling lane closures and obstructed roadways.
9.	No material and/or equipment shall be stockpiled or otherwise stor highway right-of-way except at locations designated in writing and by the Engineer. If use of location is approved by the Engineer, the shall obtain a permit to use the property within the highway right-of the State Highways Division at telephone no. 241-3000.
10.	The existence and location of underground utilities, manholes, monu- and structures as shown on the plans are from the latest available but the accuracy is not guaranteed. The encountering of other obs during the course of work is possible. The Contractor shall be he for any damages incurred to the existing facilities and/or improve as a result of his operations.
11.	Prior to construction, the contractor shall contact the various utility location of existing utilities within the project limits. The Contractor and protect all existing utilities whether or not shown on the plans incurred by damages to existing utilities will be borne by the Contra shall request from One-Call Center, Ph: 1-866-423-7287. The Contractor call the County of Kauai, Department of Water, Ph: 245-5444 and the Division, Ph: 241-6642 for toning waterlines and sewerlines respective
12.	All works of toning, probing, hand digging and all other means of a verifications shall not be paid for separately, but shall be consider incidental to the various contract items.



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proposal tems and

prior

lipment traffic.

to 8:30 during off time. Night ctor to open ied above 08.09 pecial

er vehicles using safety apparel SEA 107-2004. ith the State nce forces, cidents (e.g., investigating

red within the approved the Contractor -of-way from

uments e data stacles eld liable ements

ty agencies for tor shall locate s, Any costs ractor. Contractor ctor shall also the Wastewater tively.

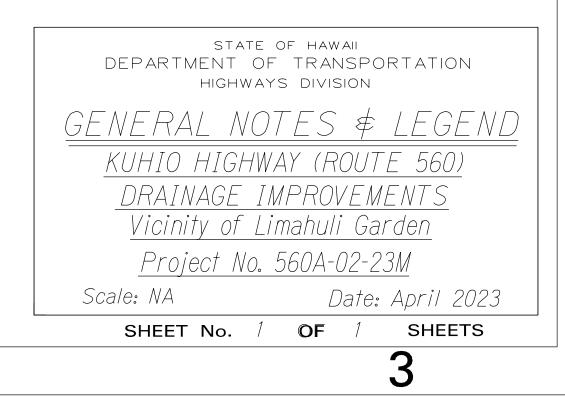
utility red

- 13. The Contractor shall provide for access to and from all existing driveways, sidewalks and ADA access routes, and side streets and cross streets at all times. This work shall be considered incidental to the various contract items, and will not be paid for separately.
- 14. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to various contract items.
- 15. The Contractor, at his own expense shall hydro-mulch and maintain per Section 641 - Hydro-Mulch Seeding of the HDOT Standard Specification all areas disturbed by his operations.
- 16. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument. Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
- 17. All new reference survey monuments shall be set under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and values of the new survey monuments shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.
- 18. Should historic remains such as artifacts, burials, concentrations of shell or charcoal be encountered during construction activities, work shall cease immediately in the immediate vicinity of the find. The Contractor shall immediately notify the Planning Department at (808) 241-4050 and State Historic Preservation Division at (808) 692-8015, which will assess the significance of the find and recommend the appropriate mitigation measures, if necessary.
- 19. The Contractor shall take measures to reduce the spread of invasive species (eg. Rapid 'Ohi'a Death) such as by minimizing the movement of plant or soil material between worksites, such as fill. Additionally, all equipment, materials, and personnel should be cleaned of excess soil and debris to minimize the risk of spreading invasive species.
- 20. Removal and disposal of unsuitable materials shall be considered incidental to various contract prices and will not be paid separately
- 21. Preparation of subgrade, excavation, backfill and welded wire fabric shall not be paid separately, but shall be considered incidental to Item No. 503.1010-Concrete Swale.

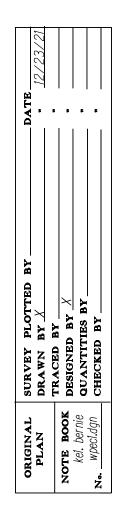
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-23M	2023	3	9

LEGEND

	Reconstruction Areas		Existing Metal Guardrail
	Cold-planing Areas ∉		New Metal Guardrail
	Resurfacing Limits		Adjusted and/or Relocated Metal Guardrail
°pp	Existing Power Pole		Existing Fire Hydrant
° emh	Existing Electric Manhole	<i>u</i> 12	Existing Sewer Line
[∞] EMH	Adjusted Elec. MH Frame/Cover	—_S—12—	New 12" Sewer Line
□tspb	Existing Traffic Signal Pullbox	° _{smh}	Existing Sewer Manhole
°tmħ [©] TMH	Existing Telephone Manhole Adjusted Tel. MH Frame/Cover	°SMH	Adjusted Sewer Manhole
Γtρb	Existing Telephone Pullbox	° SMH	New Sewer Manhole
12	Existing 12" Water Line	© _{mon.}	Existing Monument
°wmh ø	Existing Water Manhole	[∞] MON.	Adjusted Monument
[∞] WMH °av	Adjusted Water MH Frame/Cover Existing Water Air Valve	© _{MON} .	New Monument
ø _{AV}			Existing 24" Drain Line
°wv	Existing Water Valve Box		Existing Storm Drain Manhole
∞ ₩V	Adjusted Water Valve Box	0	Adjusted Storm Drain Manhole
□wm	Existing Water Meter Box	SDMH	
™WM	Adjusted Water Meter Box	⊟gdi	Existing Grated Drop Inlet
□ <i>WM</i>	New Type "X" Water Meter Box	B GDI	New Grated Drop Inlet
þ	Existing Traffic Sign		Adjusted/Reconstructed Drain
þ	New Traffic Sign	$\sim \sim \tau$	Inlet or Replaced Steel Grate



И	VATER POLLUTION AND EROSION CONTROL
Ă.	GENERAL:
1.	See Special Provisions Section 209 - Water Pollution and E describes but is not limited to: submittal requirements; sch and erosion control conference with the Engineer; construc of measurement; and basis of payment. In addition, Appendi sources and corresponding BMPs used to mitigate the pollu
2.	Follow the guidelines in the current HDOT Construction Be Field Manual in developing, installing and maintaining the E (BMP) for the project. For any conflicting requirements be applicable bid documents, the applicable bid documents will not be clearly described within the applicable bid document the Engineer immediately for interpretation. For the purpos Note A.2, "applicable bid documents" include the construction specifications, Special Provisions, Permits, and the Storm W Plan (SWPPP) when applicable.
3.	Follow the guidelines in the Honolulu's City & County "Rule Standards and Guidelines" along with applicable Soil Erosic Maui, Molokai, Kauai, and Hawaii.
4.	The Engineer may assess liquidated damages of up to \$27 each BMP requirement and each requirement stated in Sec provisions, for every day of non-compliance. There is no ma assessed per day.
5.	The Engineer will deduct the cost from the progress payment by the Department for non-compliance, or the Contractor sh amount of the outstanding cost incurred by the State.
6.	If necessary, install a rain gage prior to any field work in site-specific best management practices. The rain gage sha inches of rainfall. Install the rain gage on the project site rainfall from entering the gage opening. Do not install in may splash into rain gage. The rain gage installation shal begin field work until the rain gage is installed and site-s, are in-place.
7.	Submit Site-Specific BMP Plan to the Engineer along with Review Checklist within 21 calendar days of date of award. Checklist may be obtained from <u>http://www.stormwaterhaw</u>
B	. WASTE DISPOSAL:
1.	Waste Materials Collect and store all waste materials in a securely lidded r container with cover to keep rain out or loss of waste dur shall meet all local and State solid waste management regu construction debris from the site in the dumpster. Empty the container is two-thirds full, whichever is sooner. Do not bu onsite. The Contractor's supervisory personnel shall be inst for waste disposal. Post notices stating these practices in bulletin board, or other accessible location acceptable to the responsible for seeing that these procedures are followed. Form for Construction Sites to the Engineer within 21 cale a copy of all the disposal receipts from the facility permits receive solid waste to the Engineer monthly. This should all intermediary facility where solid waste is handled or proce
2.	Hazardous Waste Dispose all hazardous waste materials in the manner speci by the manufacturer. The Contractor's site personnel shall shall be responsible for seeing that these practices are for



L NOTES:		·	FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
			HAWAII	HAW.	560A-02-23M	2023	4	9
	3 Sanitary Waste							

Erosion Control. Section 209 heduling of a water pollution ction requirements; method lix A lists potential pollutant utants.

Best Management Practices Best Management Practices tween the Manual and govern. Should a requirement ts, the Contractor shall notify ses of clarification under on plans, standard Water Pollution Prevention

es Relating to Soil Erosion ion Guidelines for projects on

7,500 for non-compliance of ction 209 and special aximum limit on the amount

ment for all citations received hall reimburse the State for the full

including the installation of any all have a tolerance of at least 0.05 in an area that will not deter a location where rain water II be stable and plumbed. Do not specific best management practices

a completed Site-Specific BMP The Site-Specific BMP Review <u>/aii.com</u>.

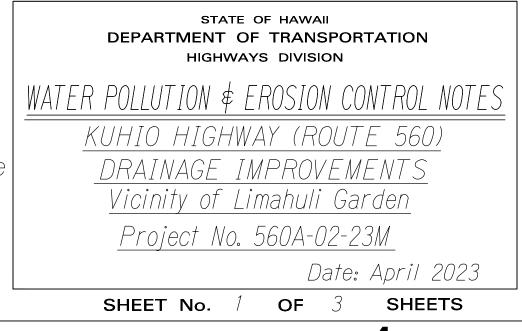
metal dumpster or roll off ring windy conditions. The dumpster ulations. Deposit all trash and the dumpster weekly or when the ury construction waste materials tructed regarding the correct procedure the office trailer, on a weatherproof ne Engineer. The Contractor shall be Submit the Solid Waste Disclosure endar days of date of award. Provide tted by the Department of Health to also include documentation from any essed.

rified by local or State regulations and be instructed in these practices and llowed.

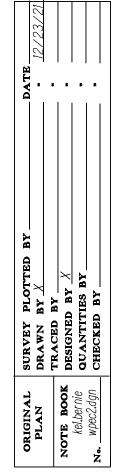
3. Sanitary Waste Collect all sanitary waste from the portable units a minimum of once per week, or as required. Position sanitary facilities where they are secure and will not be tipped over or knocked down.

C. EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:

- 1. For projects with an NPDES Permit for Construction Activities, inspect at the following intervals. For construction areas discharging to nutrient or sediment impaired waters, inspect all control measures at least once each week and within 24 hours of any rainfall event of 0.25 inches or greater within a 24 hour period. For construction areas discharging to waters not impaired for nutrient or sediments, inspect all control measures weekly. Inspections are only required during the project's normal working hours. The discharge point water classification may be found in the SWPPP.
- 2. For projects without an NPDES Permit for Construction Activities, inspect all control measures weekly.
- 3. Maintain all erosion and sediment control measures in good working order. If repair is necessary, initiate repair immediately and complete by the close of the next work day if the problem does not require significant repair or replacement, or if the problem can be corrected through routine maintenance. When installation of a new erosion or sediment control or a significant repair is needed, install the new or modified control or complete the repair no later than 7 calendar days from the time of discovery. "Immediately" means the Contractor shall take all reasonable measures to minimize or prevent discharge of pollutants until a permanent solution is installed and made operational. If a problem is identified at a time in the day in which it is too late to initiate repair, initiation of repair shall begin on the following work day.
- 4. Remove built-up sediment from silt fence when it has reached one-third the height of the fence. Remove sediment from other perimeter sediment control devices when it has reached one-half the height of the device.
- 5. Inspect silt screen or fence for depth of sediment, tears, to verify that the fabric is securely attached to the fence posts or concrete slab and to verify that the fence posts are firmly in the ground. Inspect and verify the bottom of the silt screen is buried a minimum of 6 inches below the existing ground.
- 6. Inspect temporary and permanent seeding and planting for bare spots, washouts and healthy growth.
- 7. Complete and submit to the Engineer a maintenance inspection report within 24 hours after each inspection.
- 8. Provide a stabilized construction entrance at all points of exit onto paved roads to reduce vehicle tracking of sediments. Include stabilized construction entrance in the Water Pollution, Dust, and Erosion Control submittals. Minimum length should be 50 feet. Minimum width should be 30 feet. Minimum depth should be 12 inches or as recommended by the soils engineer and underlain with geo-textile fabric. If minimum dimensions cannot be met, provide other stabilization techniques that remove sediment prior to exit. Clean the paved street adjacent to the site entrance daily or as required to remove any excess mud, cold-planed materials, dirt or rock tracked from the site. Do not hose down the street without containing or vacuuming wash water. Cover dump trucks hauling material from the construction site with a tarpaulin. Remove sediment tracked onto the street, sidewalk, or other paved area by the end of the day in which the track-out occurs.
- 9. Include designated Concrete Washout Area(s) in the Water Pollution, Dust, and Erosion Control submittals.
- 10. Submit the name of a specific individual designated responsible for inspections, maintenance and repair activities and filling out the inspection and maintenance report.
- 11. Personnel selected for the inspection and maintenance responsibilities shall receive training from the Contractor. They shall be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.



WA	TER POLLUTION AND EF	ROSION CONTROL NOT
	12. Contain, remove, and dispose accordance with approved BM system or State waters.	
	13. For projects with an NPDES stabilizing exposed soil areas where earth-disturbing activity activities have permanently ce construction site that will not disturbing activities have ter any area of the site that will land will be idle) for a period resume in the future. For con nutrients sediments, complete temporary or permanent cesss discharging into nutrient or within 7 calendar days after activities. Classification of we	s upon completion of earth-di ties have permanently or tem eased when clearing and exc t include permanent structur porarily ceased when clearin not include permanent struc d of 14 or more calendar day nstruction areas discharging initial stabilization within 14 ation of earth-disturbing act sediment impaired waters, co the temporary or permanent
	14. For projects without an NPD stabilization within 14 calenda earth-disturbing activities.	
	D. GOOD HOUSEKEEPING BEST	MANAGEMENT PRACTICES:
	1. Materials Pollution Prevention a. Applicable materials or subs during construction. Other m to the inventory.	
	Concrete Detergents Paints (enamel and latex) Metal Studs Tar Fertilizers Petroleum Based Products	Cleaning Solvents Wood Masonry Block Herbicides and Pesti Curing Compounds Adhesives
	only enough product as is re c. Store all materials stored o	substances to storm water ru equired to do the job. Insite in a neat, orderly mann Inder a roof or other enclosu inal containers with the orig one another unless recomme roduct up completely before d mmendations for proper use
	 Hazardous Material Pollution Keep products in original constraints Retain original labels and Section (MSDS). Dispose of surplus products State regulations. 	ontainers unless they are noi Safety Data Sheets (SDS), foi
	3. Onsite and Offsite Product Specific	
	reduce the chance of leakag	or leaks and perform regular ne. Store petroleum products phalt substances used onsite



							<u></u>
VOTES (Cont.):		FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
aw cutting of pavement in		HAWAII	HAW.	560A-02-23M	2023	5	9

ischarge into the drainage

tivities, immediately initiate isturbing activities for areas mporarily ceased. Earth-disturbing cavation within any area of the res has been completed. Earthing, grading, and excavation within ictures will not resume (i.e., the avs. but such activities will into waters not impaired for 14 calendar days after the tivities. For construction areas complete initial stabilization cessation of earth-disturbing may be found in the SWPPP.

Activities, complete initial or permanent cessation of

pected to be present onsite listed below shall be added

ticides

of spills or other accidental unoff. Make an effort to store

ner in their appropriate ure. ginal manufacturer's label.

ended by the manufacturer. disposing of the container.

and disposal. sposal of materials onsite.

ot resealable. prmerly Material Safety Data

rs' instructions and local and

onsite:

ar preventive maintenance to in tightly sealed containers which e according to the manufacturer's

b. Fertilizers:

Apply fertilizers used only in the minimum amounts recommended by the manufacturer and federal, state, and local requirements. Avoid applying just before a heavy rain event. Apply at the appropriate time of year for the location, and preferably timed to coincide as closely as possible to the period of maximum vegetation uptake and growth. Once applied, work fertilizer into the soil to limit exposure to storm water. Do not apply to storm conveyance channels with flowing water. Storage shall be in a covered shed or in an area where fertilizer will not come into contact with precipitation or stormwater. Transfer the contents of any partially used bags of fertilizer to a sealable plastic bin to avoid spills.

c. Paints:

Seal and store all containers when not required for use. Do not discharge excess paint to the drainage system, sanitary sewer system, or State waters. Dispose properly according to manufacturers' instructions and State and local regulations.

d. Concrete Trucks:

Washout or discharge concrete truck drum wash water only at a designated site as far as practicable from storm drain inlets or State waters. Do not discharge water in the drainage system or State waters. Disposal by percolation is prohibited. Clean disposal site as required or as requested by the Engineer.

4. Spill Control Plan

a. Post a spill prevention plan to include measures to prevent and clean up each spill. b. The Contractor shall be the spill prevention and cleanup coordinator. Designate at least three site personnel who shall receive spill prevention and cleanup training. These individuals shall each become responsible for a particular phase of prevention and cleanup. Post the names of responsible spill personnel in the material storage area on a weatherproof bulletin board or other accessible location acceptable to the Engineer and in the office trailer onsite.

- c. Clearly post manufacturers' recommended methods for spill cleanup. Make site personnel aware of the procedures and the location of the information and cleanup supplies.
- d. Keep ample materials and equipment necessary for spill cleanup in the material storage area onsite.
- e. Clean up all spills immediately after discovery.
- f. Keep the spill area well ventilated. Personnel shall wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- g. Report spills of toxic hazardous material to the appropriate State or local government agency, regardless of the size. Where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period, the Contractor shall notify the Engineer as soon as the Contractor has knowledge of the discharge. The Engineer will notify the National Response Center (NRC) at (800) 424-8802, the Clean Water Branch during regular business hours at (808) 586-4309, and the Hawaii State Hospital Operator at (808) 247-2191 and the Clean Water Branch (DOH-CWB) via email at <u>cleanwaterbranch@doh.hawaii.gov</u> during non-business hours immediately. The Contractor shall also provide to the Engineer, within 7 calendar days of knowledge of the release, a description of the release, the circumstances leading to the release, and the date of the release. The Engineer will provide this information to the DOH-CWB. The Engineer will provide information to the NRC if requested.



	. PERMIT REQUIREMENTS: The calculated land disturbance area for this project based plans is 0.02 acre not including Contractor Staging and Sto disturbed area and the Contractor Staging and Storage are
	the Contractor shall obtain the NPDES Construction Activitie SWPPP template. See Hawaii Administrative Rules Chapter i definition of land disturbance. The Contractor shall be resp required NPDES Construction Activities Permit and complyin HAR 11-55 including, but not limited to:
	a. Deadlines for initiating and completing initial stabilization b. Increased inspection frequency and installation of rain g c. Deadlines to initiate and complete repairs to BMPs d. Reporting requirements and corrective action reports
2.	Comply with all applicable State and Federal Permit conditi but not limited to the following:
	a. NPDES Permit for Construction Activities
	b. NPDES Permit for Construction Dewatering
	c. NPDES Permit for Hydrotesting Waters
	d. Water Quality Certification
	e. Stream Channel Alteration Permit
	f. Section 404 Army Corps of Engineer Permit

DATE		
SURVEY PLOTTED BY DRAWN BY X	DESIGNED BY X DESIGNED BY CHECKED BY	
ORIGINAL PLAN	NOTE BOOK kel.bernie N., wpec03.dgn	

DTES (Cont.):

sed on the construction Storage areas. If the total of the area is one acre or greater, vities Permit using HDOT's latest er 11-55, Appendix C for the esponsible for obtaining the lying with the requirements of

tion n gage if applicable

ditions. Permits may include,

F. SITE-SPECIFIC BMP REQUIREMENTS:

Each BMP below is referenced to the corresponding Practices Field Manual and appropriate Supplemental Statewide Stormwater Management Program Website and-consultants/ under Construction Best Management http://www.stormwaterhawaii.com/resources/contrac under Concrete Curing and Irrigation Water.

The requirements for Water Pollution, Dust, and Eros the Hawaii Standard Specifications for Road and Br Provisions. A list of pollutant sources and correspond in Section 209 of the Special Provisions under Apper

Follow the requirements below:

- 1. Protect all Drainage Inlets receiving runoff from
- 2. Contain on-site runoff using Perimeter Sediment
 - a. SC-7 Silt Fence or Filter Fabric Fence
 - b. SC-2 Vegetated Filter Strips and Buffers
- c. SC-6 Compost Filter Berm/Sock
- d. SC-8 Sandbag Barrier
- e. SC-9 Brush or Rock Filter
- 3. Control offsite runoff from entering construction a. EC-3 Run-On Diversion
- b. EC-6 Earth Dike, Swales, and Ditches
- 4. Incorporate applicable Site Management BMP
- a. SM-1 Employee Training
- b. SM-2 Material Storage and Handling
- c. SM-3 Stockpile Management
- d. SM-6 Solid Waste Management
- e. SM-7 Sanitary Waste Management
- f. SM-9 Hazardous Materials and Waste Manage
- g. SM-10 Spill Prevention and Control
- h. SM-11 Vehicle and Equipment Cleaning
- i. SM-12 Vehicle and Equipment Maintenance
- j. SM-13 Vehicle and Equipment Refueling
- k. SM-14 Scheduling
- I. SM-15 Location of Potential Sources of Sedim
- m. SM-16 Staging Area
- n. SM-17 Preservation of Existing Vegetation
- o. SM-19 Dust Control
- 5. Contain pollutants within the Construction Staging Controls and Site Management BMP. Include a Si which exit onto a paved street. Restrict vehicle a
- 6. Manage Concrete Waste including installing a Con Curing Water (California Stormwater BMP Handbo
- 7. Remove saw cut slurry and hydrodemolition water and/or perimeter sediment controls during saw c

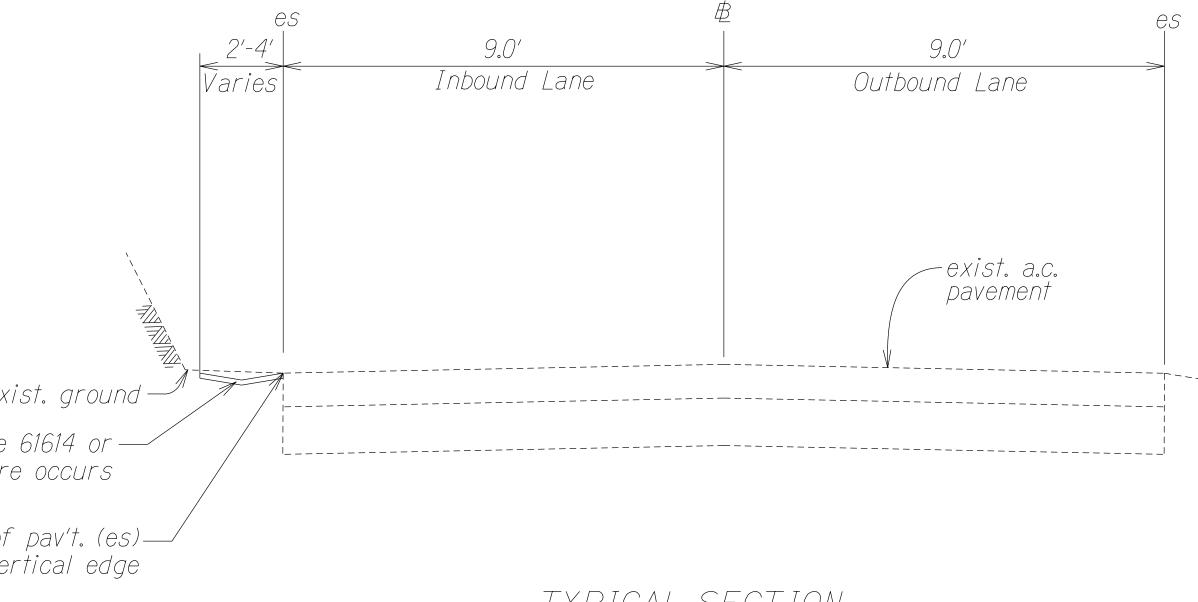
	FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	HAWAII	HAW.	560A-02-23M	2023	6	9
section of the current HDOT Con Sheets. The Manual may be obtain at http://www.stormwaterhawaii.c nt Practices Field Manual. Supplei tors-and-consultants/storm-water-	ined from th om/resource mental BMP	e HDC s/con sheets)T tractors- s are located			
sion Control submittals are includ ridge Construction dated 2005 and ding BMP used to mitigate the po ndix A.	d applicable	Specia	a/			
disturbed areas (SC-1).						
Controls						
area						
ment						
ent						
g/Storage Area BMP with applica tabilized Construction Entrance/E access to these points.						
crete Washout Area (SM-4) and pi ok NS-12 Concrete Curing).	roperly dispo	osing	of Concrete			
from the site by vacuuming. Pr utting and hydrodemolition work.	ovide storm	drain	protection			
	[
		DEPAF	STATE OF HAV RTMENT OF TRA HIGHWAYS DIV	NSPORT	ATION	
		KUHIO DRAI	ITION & EROSI HIGHWAY () NAGE IMPRO Dity of Limahu	ROUTE DVEME	560) NTS	<u>'OTES</u>
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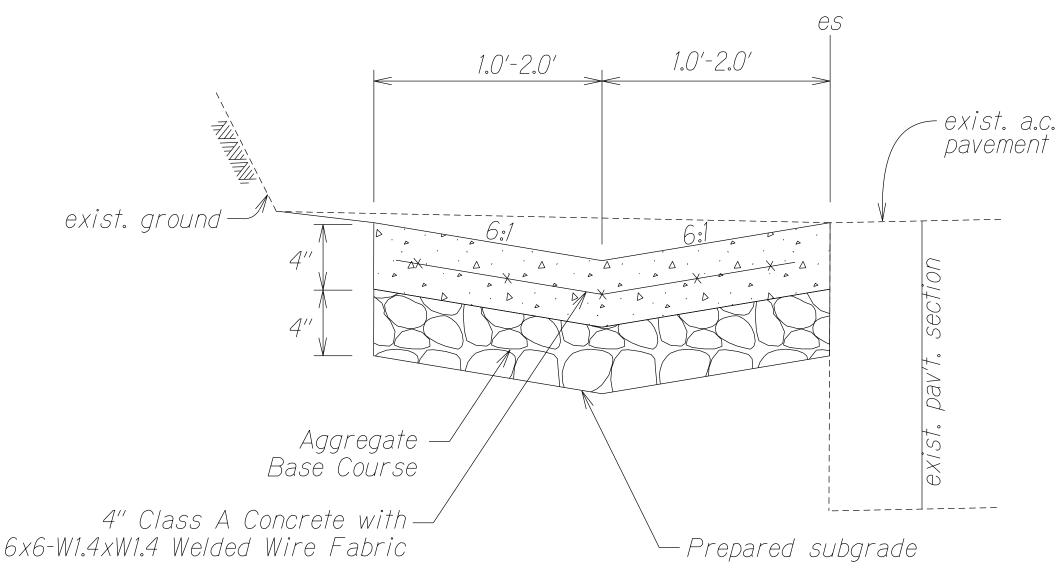
SHEET No. 3 OF 3 SHEETS

6

			FED. ROAD DIST. NO.STATEPROJ. NO.FISCAL YEARSHEET NO.TOTAL SHEETSHAWAIIHAW.560A-02-23M202379
	es 2'-4' 9.0' Varies Inbound Lane	es <u>9.0'</u> Outbound Lane	
		exist. a.c. pavement exist. unpaved shoulder	
	Saw cut exist edge of pav't.(es)— to a uniform vertical edge <u>TYPICAL S</u> Not to S	<u>SECTION</u> Scale	
	exist. ground	$\begin{array}{c} es \\ 1.0'-2.0' \\ \hline \\ exist. a.c. \\ pavement \\ \hline \\ $	
	Aggregate Base Course 4" Class A Concrete with 6x6-W1.4xW1.4 Welded Wire Fabric	Prepared subgrade	
ORIGINAL BURVEY PLOTTED PLAN DRAWN BY X NOTE BOOK DESIGNED BY X N. kts01.dgn CHECKED BY X	<u>TYPICAL SECT</u> Not to Scale		STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <u>TYPICAL SECTIONS & DETAILS</u> KUHIO HIGHWAY (ROUTE 560) DRAINAGE IMPROVEMENTS Vicinity of Limahuli Garden Project No. 560A-02-23M Scale: Not to Scale
			SHEET No. 1 OF 1 SHEETS 7

DATE	TTED BY
	SURVEY PLOTTED BY DRAWN BY X TRACED BY DESIGNED BY X QUANTITIES BY CHECKED BY

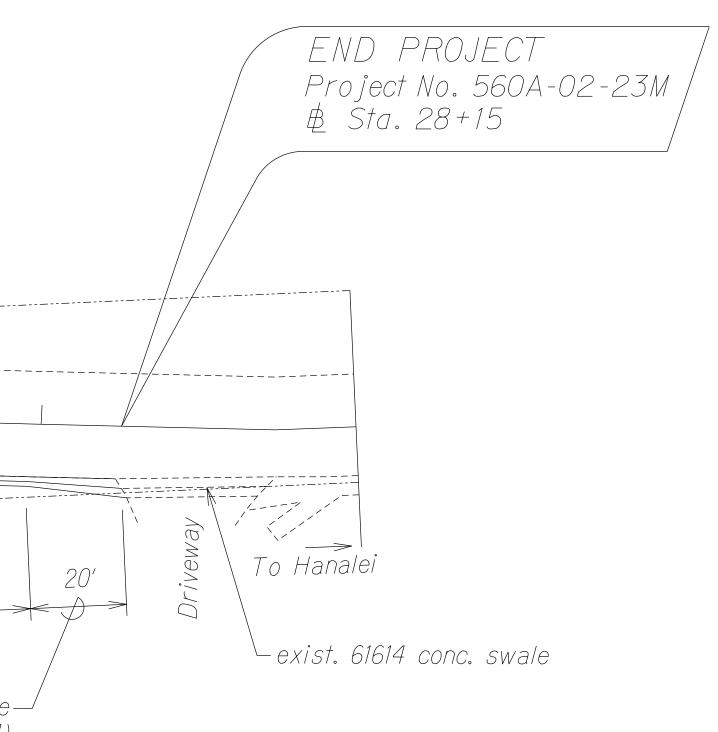




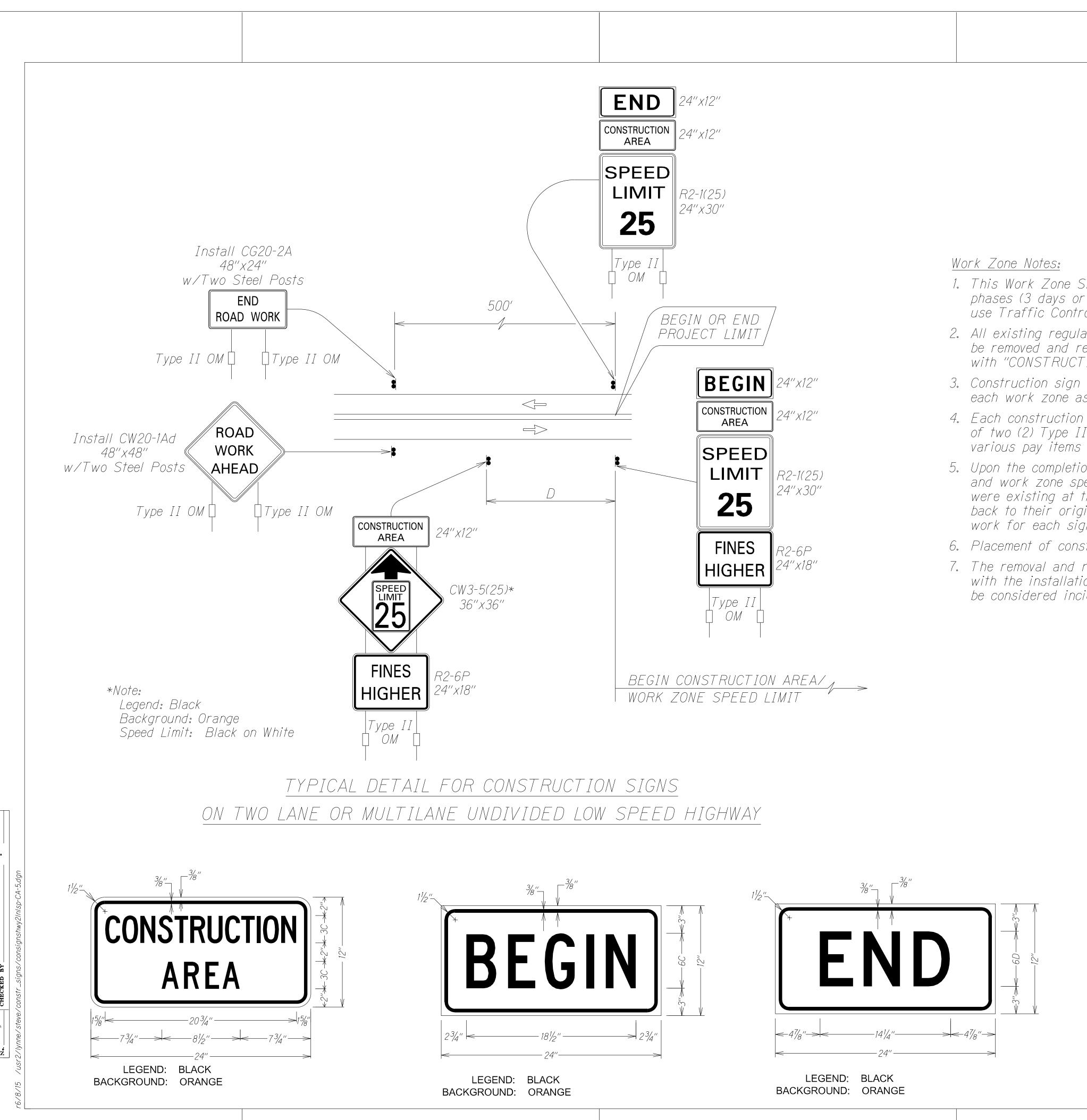


STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<u>TYPICAL SECTIONS & DETAILS</u>
<u>KUHIO HIGHWAY (ROUTE 560)</u> <u>DRAINAGE IMPROVEMENTS</u> <u>Vicinity of Limahuli Garden</u> Project No. 560A-02-23M
Scale: Not to Scale Date: April 2023
SHEET No. 1 OF 1 SHEETS
 7

		FED. ROAD DIST. NO.STATEPROJ. NO.FISCAL YEARSHEET NO.TOTAL SHEETSHAWAIIHAW.560A-02-23M202389
	New Conc. Swale	END PROJECT Project No. 560A-02-23M B Sta. 28+15
	25:00 E Kuhio Highway es Es Es Es Es Es Es Es Es Es E	20' To Hanalei exist. 61614 conc. swale
ORIGINAL SURVEY PLOTTED BY DATE PLAN BRAWN BY T T T No. Rel OX DESIGNED BY T No. Kel OVANTITES D D No. CHBCKED BY T T		STATE OF HAVABI DEPARTMENT OF TRANSPORTATION HIGHWAYS DWISION <u>ROAJJWAY PLAN</u> KUHIO HIGHWAY (ROUTE 560) <u>DRAINAGE IMPROVEMENTS</u> <u>Vicinity of Limahuli Garden</u> <u>Project No. 560A-02-23M</u> Scale: I*20' Date: April 2023 SHEET NO. 1 OF 1 SHEETS









FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	560A-02-23M	2023	9	9

- 1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
- 2. All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(25) and CW3-5(25) with "CONSTRUCTION AREA" and R2-6P "FINES HIGHER" Supplemental Signs).
- 3. Construction sign assemblies shall be installed on both the approaching and trailing ends of each work zone as shown on this plan.
- 4. Each construction warning sign and work zone speed limit assembly shall have a minimum of two (2) Type II OM. Installation of each Type II OM shall be considered incidental to various pay items and shall not be paid for separately.
- 5. Upon the completion of all physical work or as directed by the Engineer, all construction signs and work zone speed limit assemblies shall be removed. All speed limit signs and posts that were existing at the start of the project within the work zone/project limits shall be restored back to their original locations and configurations. Dates, times, locations and description of work for each sign location shall be provided to the engineer in writing.
- 6. Placement of construction signs shall not obstruct the path of pedestrians and bicyclists.
- 7. The removal and restoration of existing regulatory speed limit signs with new posts along with the installation, maintenance and removal of work zone speed limit sign assemblies shall be considered incidental to various pay items and shall not be paid for separately.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
<u>Low speed undivided hihgway</u>
WORK ZONE SIGNING PLAN, NOTES&DETAILS
KUHIO HIGHWAY (ROUTE 560)
DRAINAGE IMPROVEMENTS
<u>Vicinity of Limahuli Garden</u>
<u>Project No. 560A-02-23M</u>
Not To Scale Date: April 2023
SHEET No. 1 OF 1 SHEETS
9