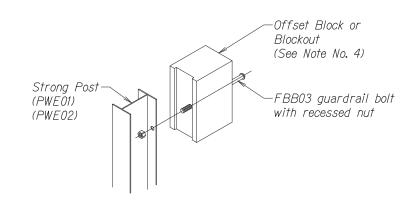
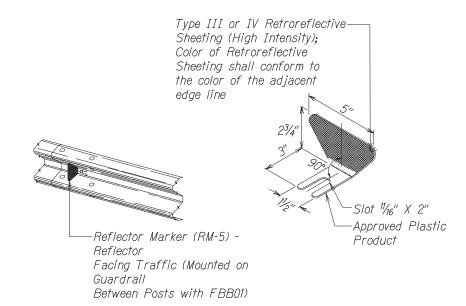
DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MAUI	HAW.	377A-01-22M	2024	13	22



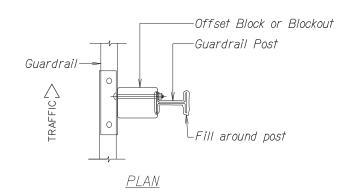
Exploded View (Rail and washer not shown)

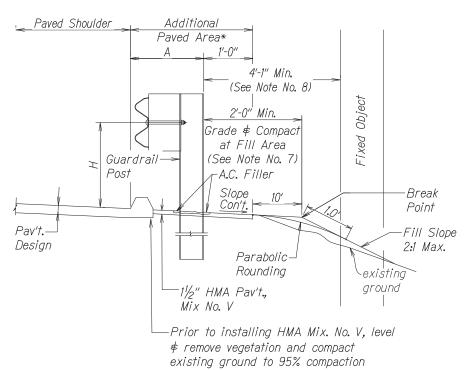
### STEEL POST AND BLOCK DETAIL



# REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION

GUARDRAII TYPF	DIMENSION	
GUANDRAIL TIFE	Н	Α
MGS w/ Standard 8" Offset Block	2'-1''	1'-6"





#### **ELEVATION**

# TYPICAL GUARDRAIL INSTALLATION

#### GENERAL NOTES:

- 1. All Hardware, Posts And Fasteners Shall Be Hot-dip Zinc Coated Galvanized After Fabrication. No Punching, Drilling Or Cutting Will Be Permitted After Galvanizing.
- 2. Where Conditions Require, Special Post Lengths In Increments Of 6 Inches May Be Specified By The Engineer.
- 3. All Fasteners, Posts, And Rail Elements (i.e. FBB03, PWE01, RWM04B, Etc.) Shall Conform To The Latest Edition And Amendments Of "A Guide To Standardized Highway Barrier Rail Hardware", A Report Prepared And Approved By The AASHTO-AGC-ARTBA Joint Cooperative Committee, Subcommittee On New Highway Materials, Task Force 13 Report, Dimensions Of Fastners, Posts And Rail Elements Have Been Converted From Metric Units Into Their Present Form.
- 4. The Blockout Or Offset Block Shall Be Approved By The State.
- 5. All New Guardrail Systems (System Consists Of Total Length Of Guardrail Including Both End Treatments) Shall Include The Additional Paved Area.
- 6. After The Guardrail Posts Are Installed In The Paved Area. The Contractor Shall Fill/Seal Around Each Guardrail Post And All Cracks In The Paved Area Caused During The Guardrail Post Installation. If Required By The Inspector/Engineer, The Contractor Shall Tamper The Paved Area Around The Guardrail Post Prior To Filling/Sealing, All Costs Associated With This Work Shall Not Be Paid For Separately, But Shall Be Considered Incidental To The Various Guardrail Items.
- 7. When Standards For The Fill Slope Area Cannot Be Met, A Site Specific, Engineer Approved Design May Be Used.
- Minimum Working Width (Clear Distance) Between Back Of MGS Post To Any Fixed Object Is 4'-1" (49").
- 9. New Hot Mix Asphalt (hma) Pavement At Guardrails Shall Extend 6 Feet Longitudinally Beyond Terminal Ends.
- 10. Reflector Markers (RM-5) Mounted On Guardrails Shall Be Spaced Every 25 Feet, RM-5's Shall Not Be Installed On Terminal Sections. Furnishing And Installing Of Each RM-5 Shall Be Considered Incidental To The Guardrail System.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

#### GUARDRAIL DETAILS AND NOTES-1

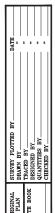
Haleakala Hwy. Slope and Shoulder Repair Vicinity of Ainakula Road to Kulalani Drive <u>Project No. 377A-01-22M</u>

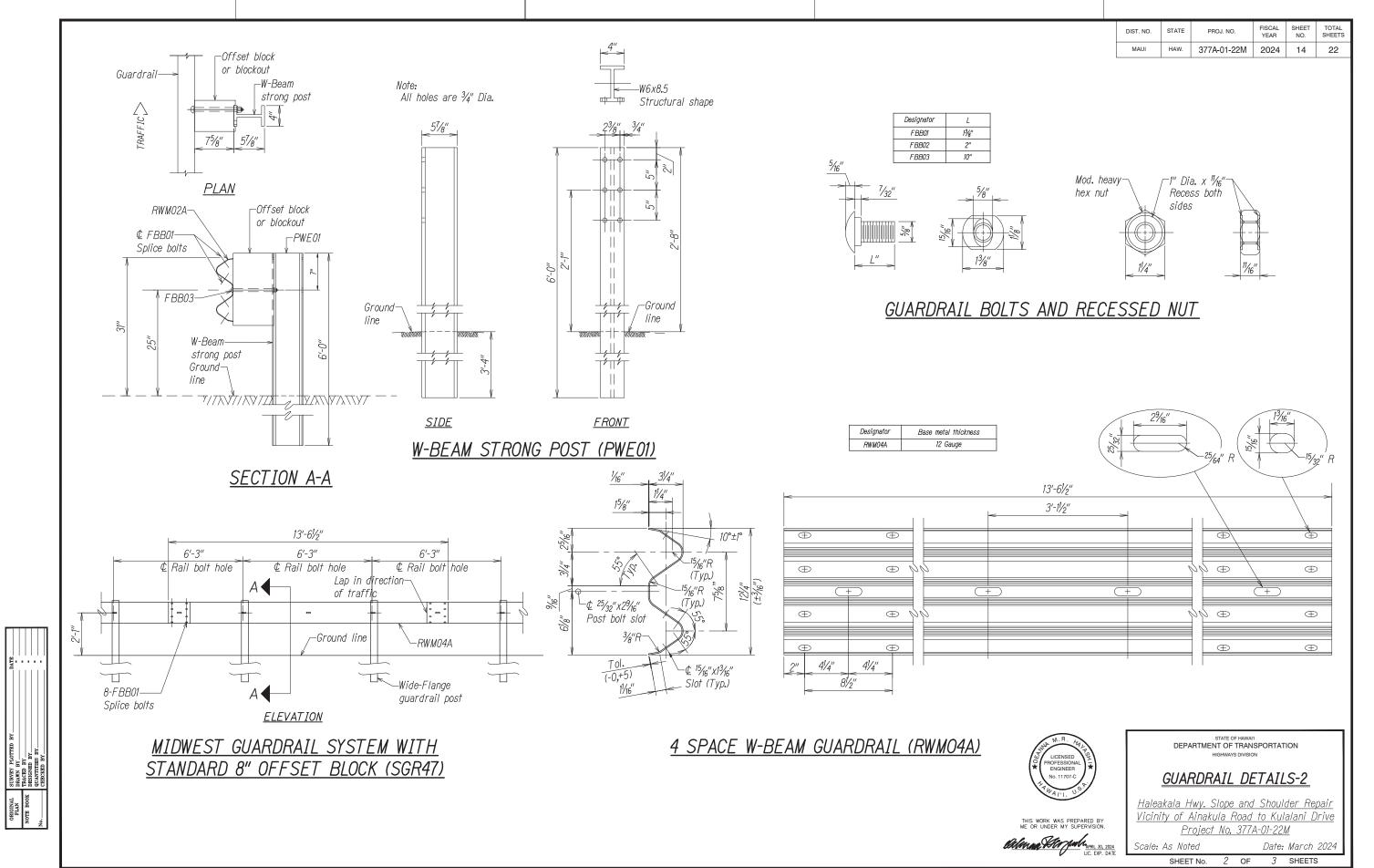
Scale: As Noted

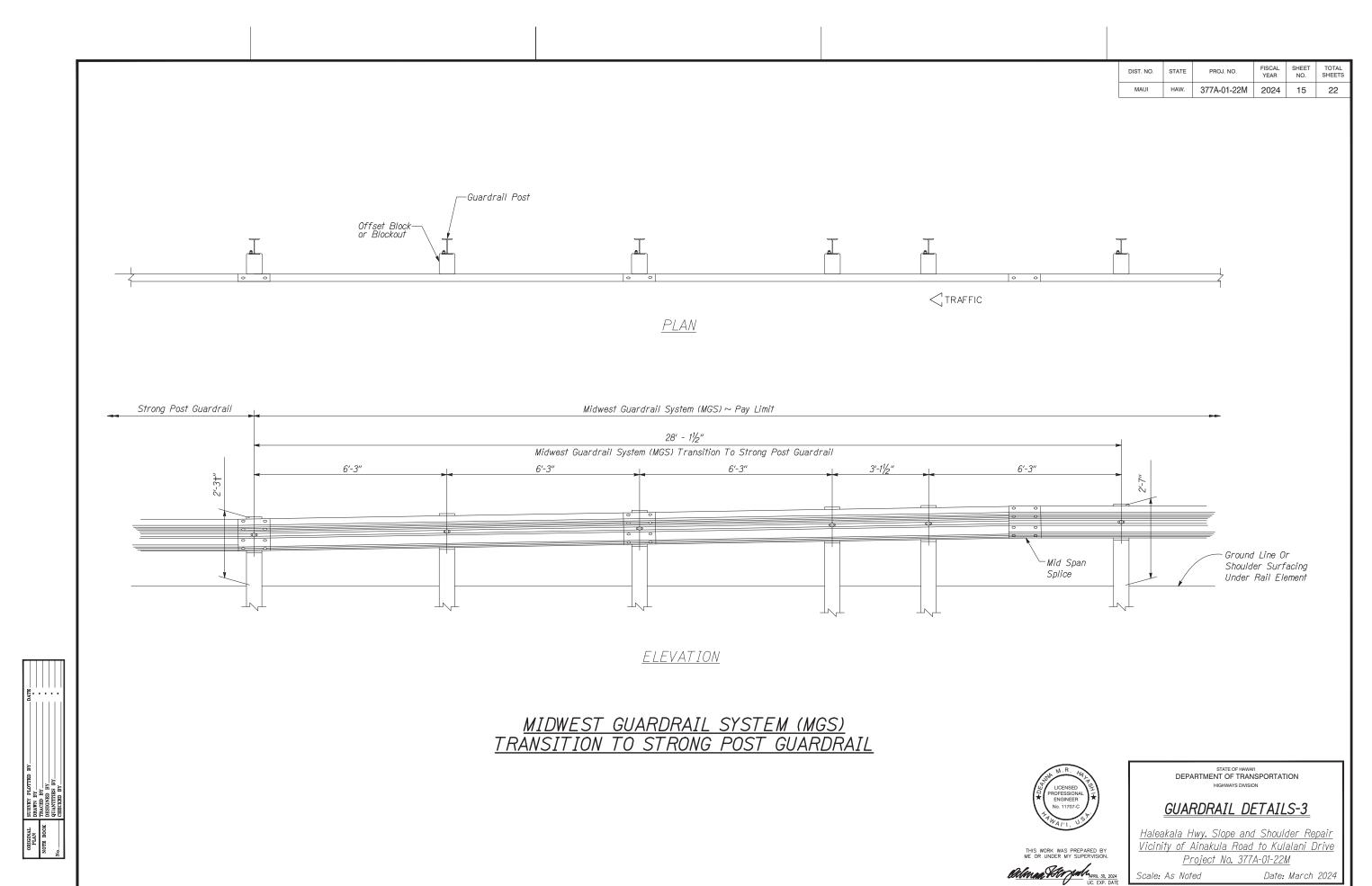
Date: March 2024

Calman Stry and April 30, 2024

1 OF 3 SHEETS







15

SHEET No. 3 OF 3 SHEETS