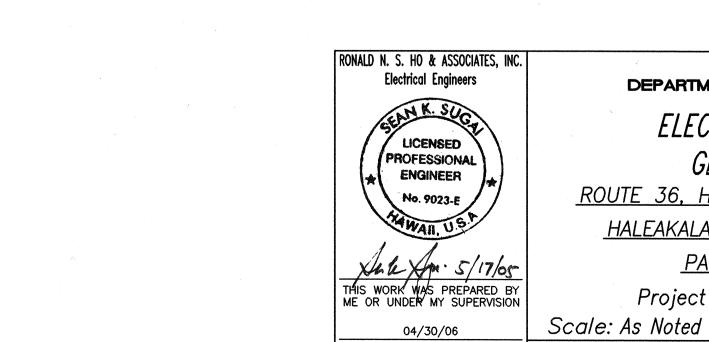
GENERAL CONSTRUCTION NOTES

- A. All work shall be done in accordance with the "Hawaii Standard Specifications For Road, Bridge, and Public Works Construction", 1994, State of Hawaii Department of Transportation, Highways Division, except as modified herein or in the Special Provisions.
- B. The Contractor shall verify with the respective utility companies and Government agencies the locations of all electric, telephone, roadway light, water, sewer, drain and other lines crossing the excavation path or in excavation areas.
- C. The Contractor shall notify all affected utility companies and Government agencies of their intent to begin construction on any intersection or street at least two (2) weeks prior to the start of such construction.
- D. The Contractor shall notify the Department of Transportation three (3) working days prior to commencing work on the traffic signal system. (Phone: 873–3535).
- E. The traffic signal system shall be kept operational during construction. Any relocation required shall be approved by the Department of Transportation and paid for by the Contractor.
- F. The Contractor shall provide microwave detector system for all existing signalized intersections where existing loop detector system will be out of service for more the one (1) week.
- G. Trenching to be by hand digging near and across existing utility lines.
- H. Unless otherwise requested by the Board of Water Supply, minimum clearance between water lines and conduits shall be: Horizontal = 3 feetVertical = 6 inches
- Adjust new conduit alignment, if required to provide clearances. If conduit cannot be realigned, adjustments to existing water system shall be performed in accordance with standards of the Department of Water Supply.
- J. Underground utilities shown hereon are for information only. No guarantee is made on the accuracy or completeness of said information.
- K. Where necessary, reconstruction of sidewalk, gutter and driveway areas shall conform to the standard details of the governmental agency having jurisdiction over the work.
- The Contractor shall be responsible for removal of all silt and debris resulting from his work and deposited in drainage facilities, roadways and other areas. The cost for any necessary remedial action by the Chief Engineer shall be payable by the Contractor.
- M. The Contractor, at his own expense, shall keep the project area free from dust nuisance. The work shall be in conformance with the air pollution control standards and regulations of the State Department of Health.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36-AB-02-04M	2005	42	48

	ELECTRICA	L SYME	BOLS
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
—	TRAFFIC SIGNAL HEAD RYGT, PROVIDE NECESSARY MOUNTING BRACKETS AND ACCESSORIES		TRAFFIC SIGNAL PULLBOX
── ▷	TRAFFIC SIGNAL HEAD RYG, PROVIDE NECESSARY MOUNTING BRACKETS AND ACCESSORIES		TRAFFIC SIGNAL CONDUIT & WIRING
	PEDESTRIAN TRAFFIC SIGNAL HEAD, PROVIDE NECESSARY MOUNTING BRACKETS AND ACCESSORIES	T	EXISTING TRAFFIC SIGNAL CONDUIT WITH NEW WIRING
⊢⊙↓	PEDESTRIAN PUSHBUTTON SHALL MEET CURRENT AMERICAN WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES AND WILL BE SUBJECT TO ENGINEER'S APPROVAL, SEE DETAIL A/E-6.		
0	TYPE I TRAFFIC SIGNAL STANDARD		
30'	TYPE II TRAFFIC SIGNAL STANDARD (WITH 30' MAST ARM INDICATED).		



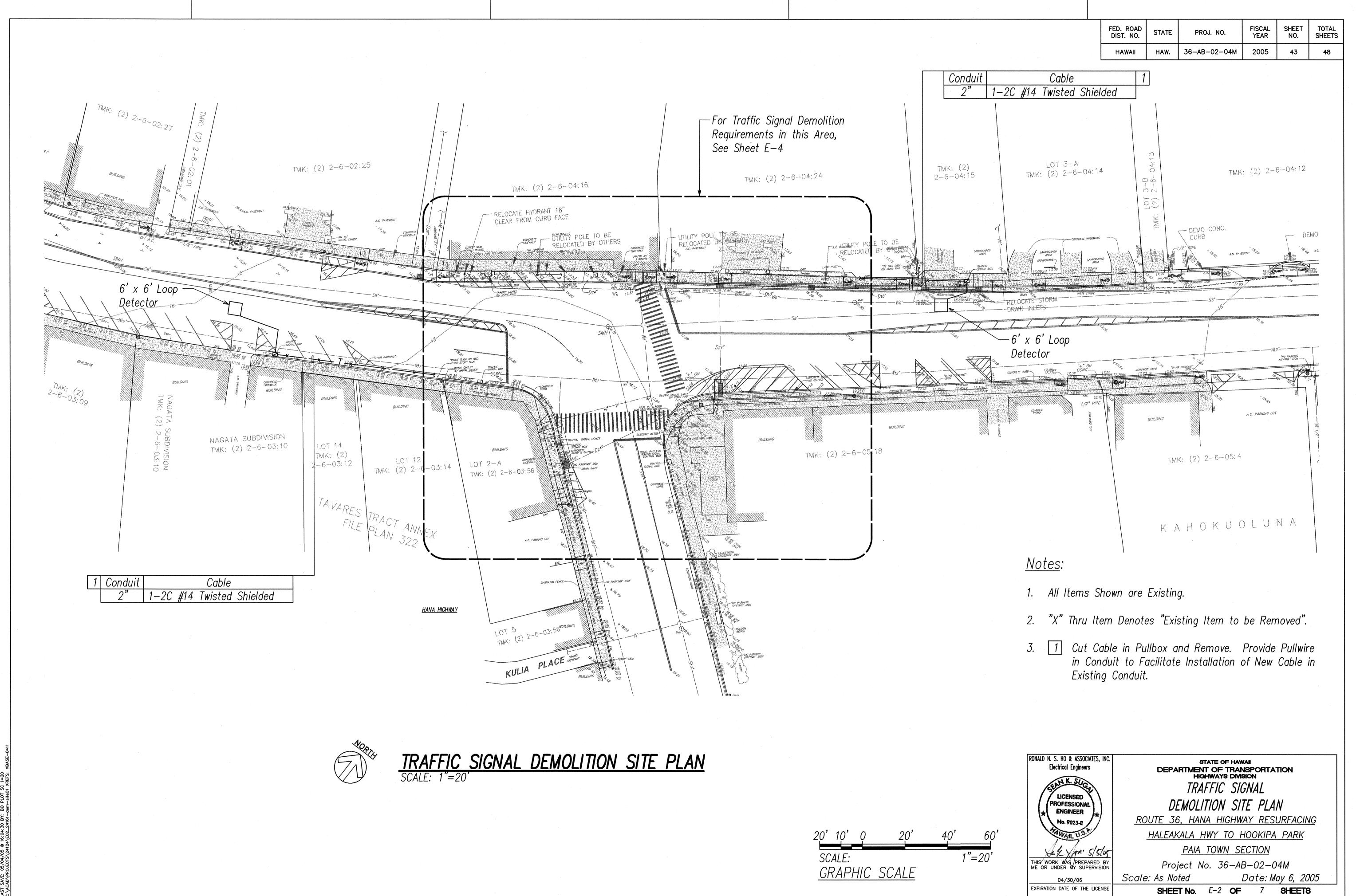
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION ELECTRICAL SYMBOLS, GENERAL NOTES

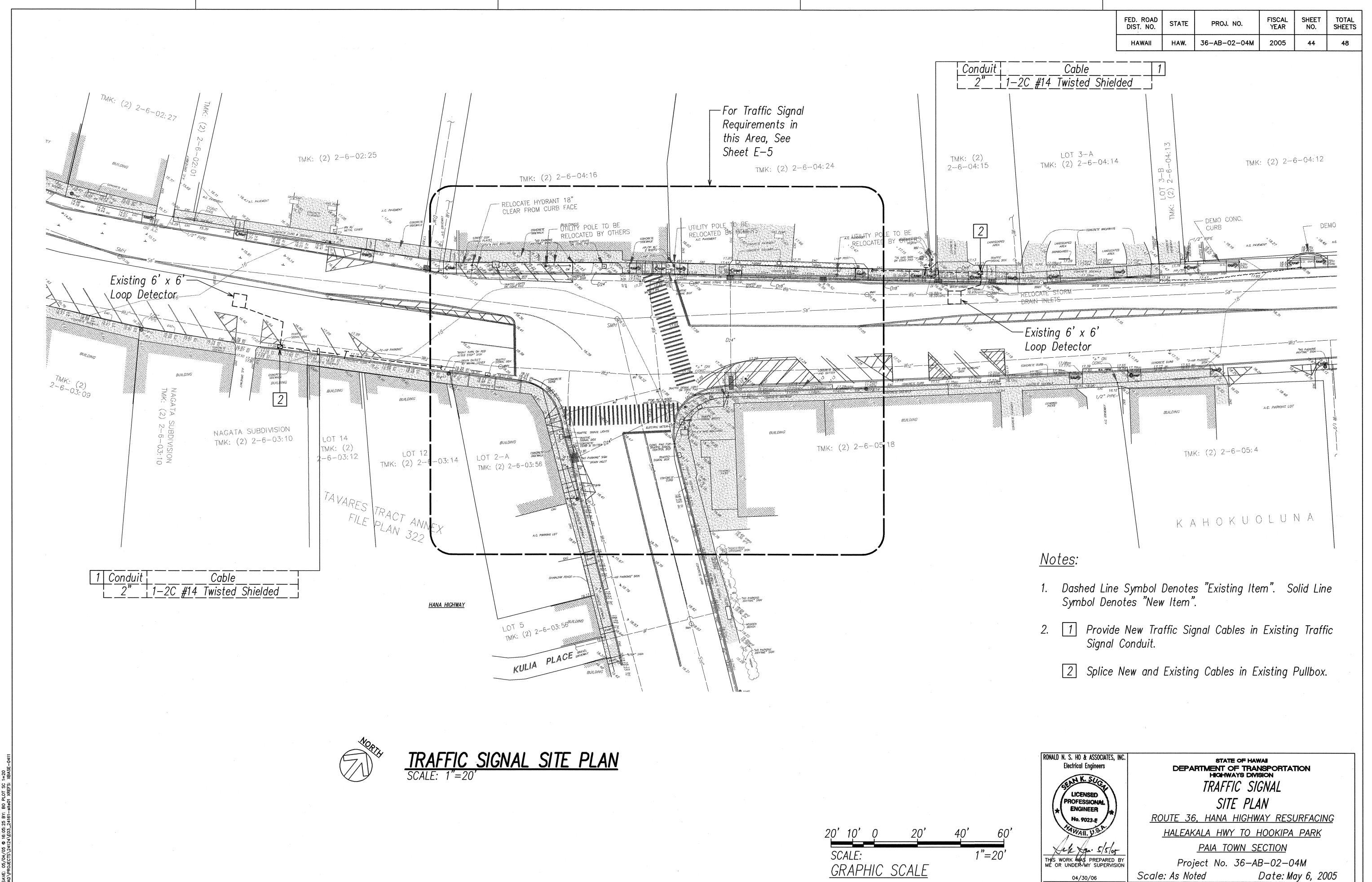
ROUTE 36, HANA HIGHWAY RESURFACING

HALEAKALA HWY TO HOOKIPA PARK PAIA TOWN SECTION

Project No. 36-AB-02-04M Date: May 6, 2005

SHEET No. *E-1* **OF** *7*

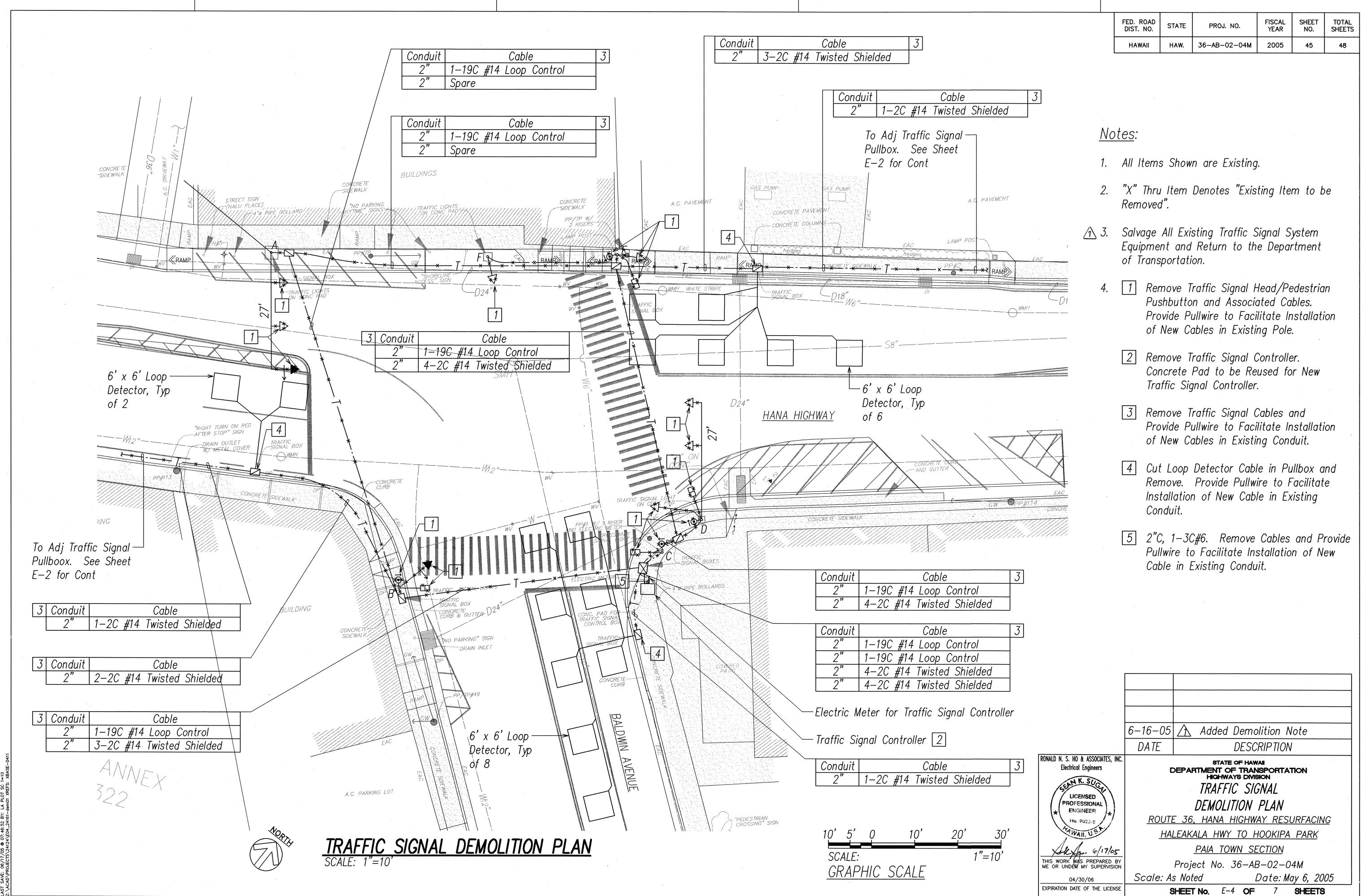




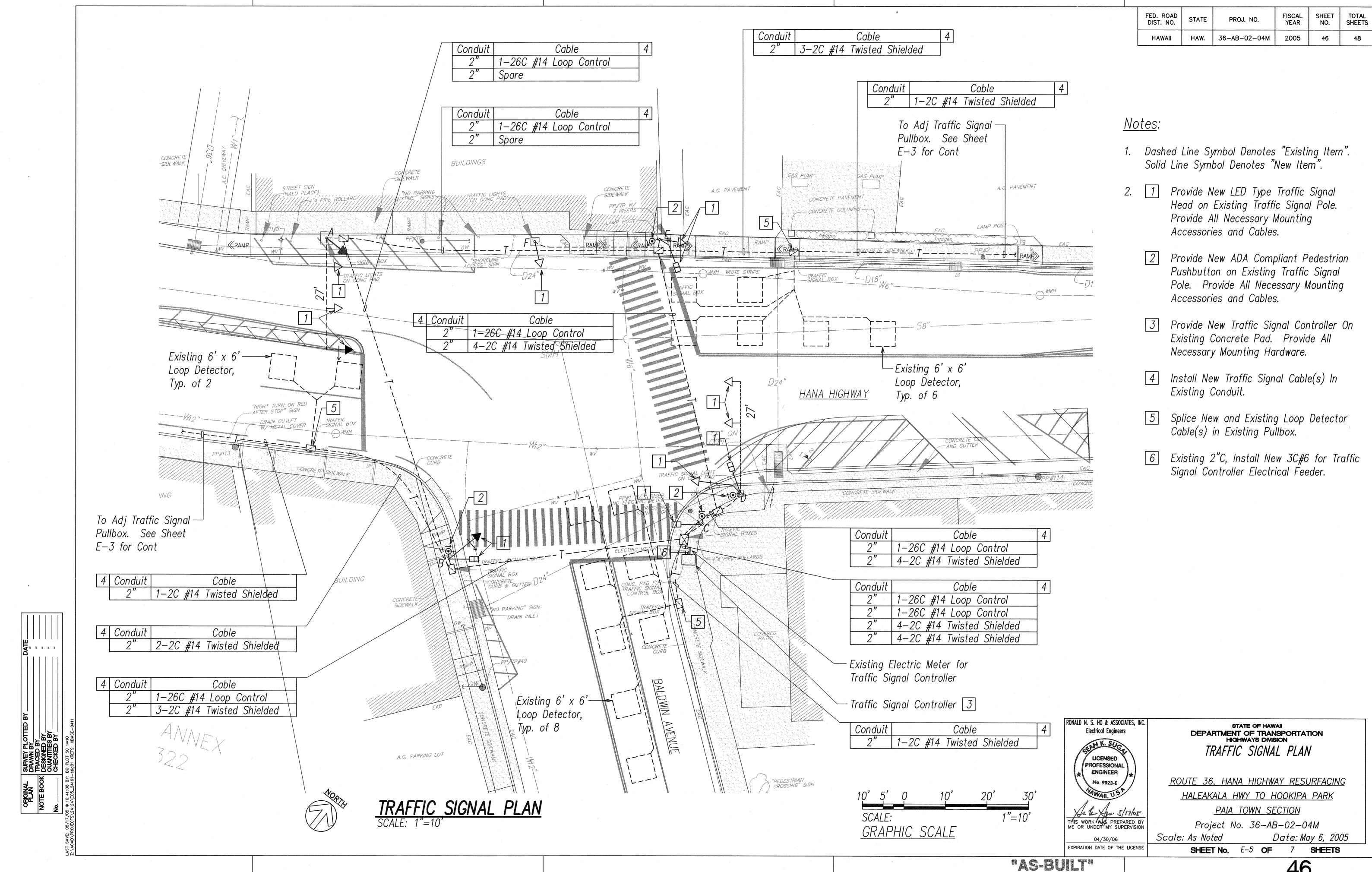
SHEETS

SHEET No. E-3 OF

EXPIRATION DATE OF THE LICENSE



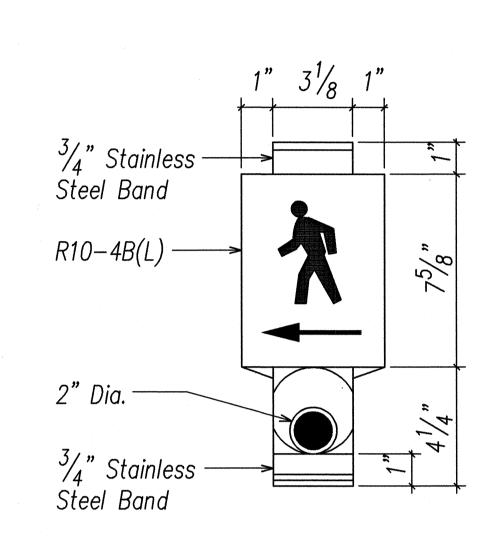
ADD 45



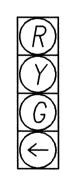
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36-AB-02-04M	2005	47	48

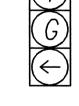
DETAIL NOTES:

- 1. The pedestrian pushbutton unit shall consist of a one piece assembly with a raise walking man, arrow indication and push button.
- 2. The pushbutton activator shall be of the mushroom plunger type, ADA acceptable, 2 inches in diameter that requires less than 5 lbs. of pressure to activate.
- 3. The raised man and arrows shall be directional and match the directional indication as shown on the plans.
- 4. The pushbutton shall be tamper proof, weatherproof and constructed so that electrical shocks are impossible.
- 5. The color scheme shall be: White — Man, arrow and pushbutton Black – Background

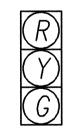




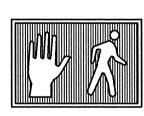




1-Vertical 4-Section



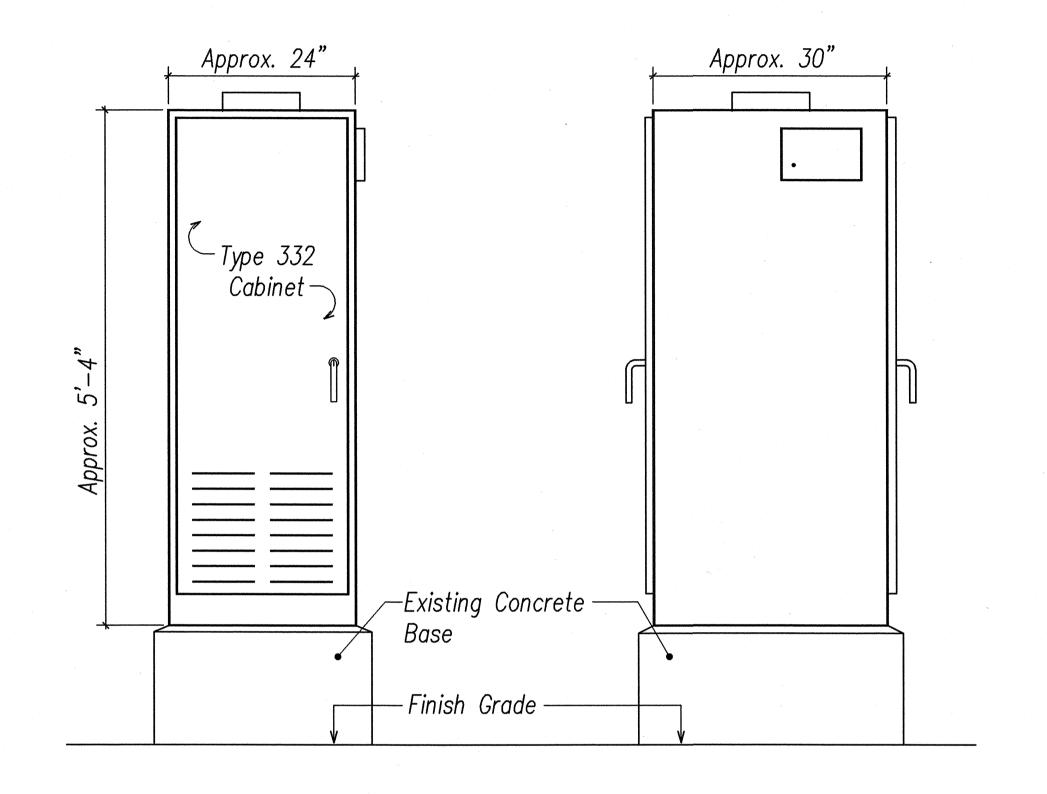
1-Vertical 3-Section



<u>Symbol</u> (Hand) Portland Orange <u>Background</u> Opaque

<u>Symbol</u> (Man) White <u>Background</u> Opaque

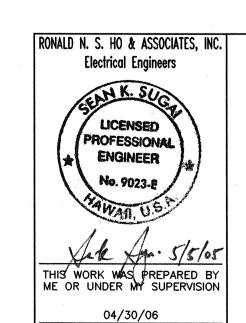




FRONT VIEW

SIDE VIEW





EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION MISCELLANEOUS DETAILS

ROUTE 36, HANA HIGHWAY RESURFACING HALEAKALA HWY TO HOOKIPA PARK PAIA TOWN SECTION

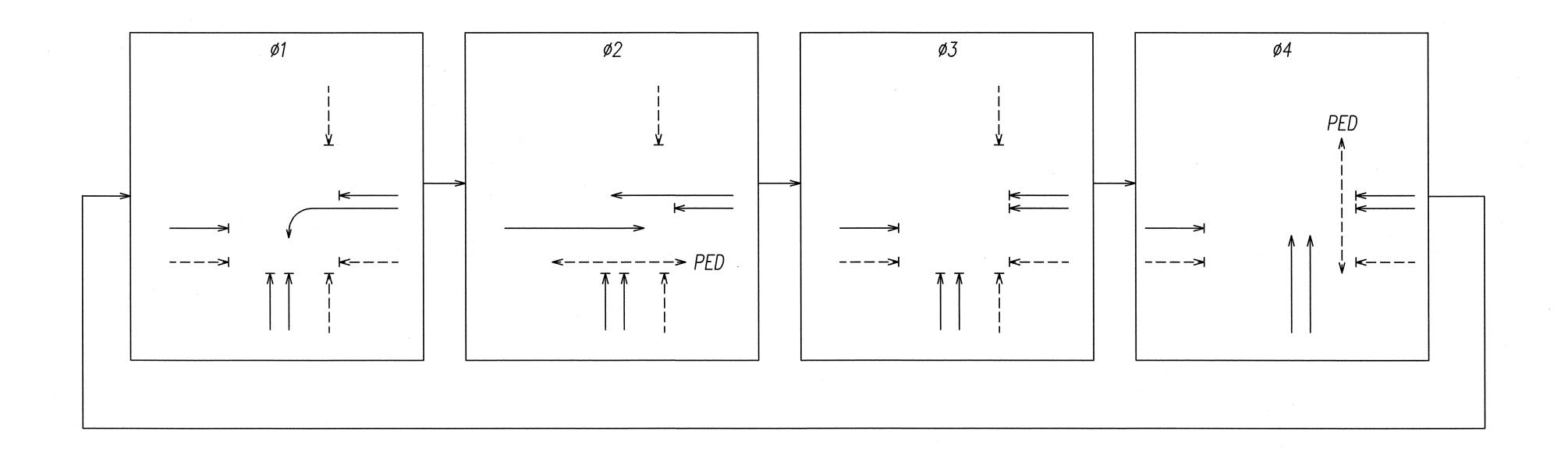
Project No. 36-AB-02-04M Scale: As Noted Date: May 6, 2005

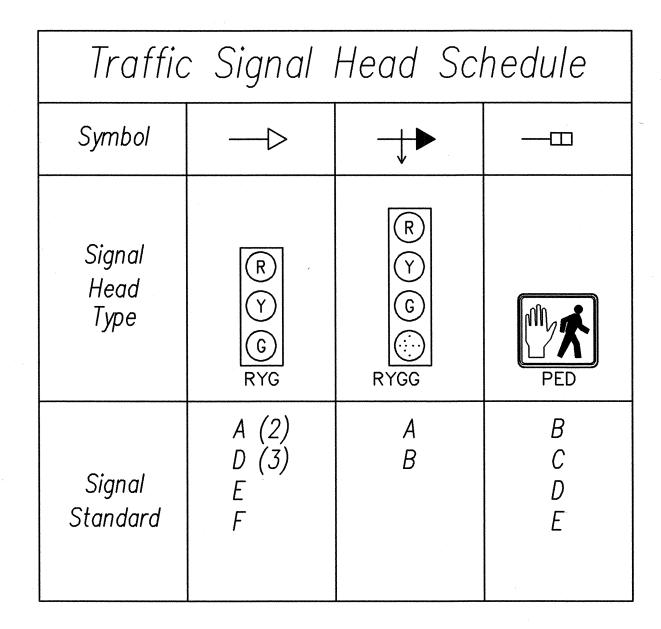
SHEET No. E-6 OF 7

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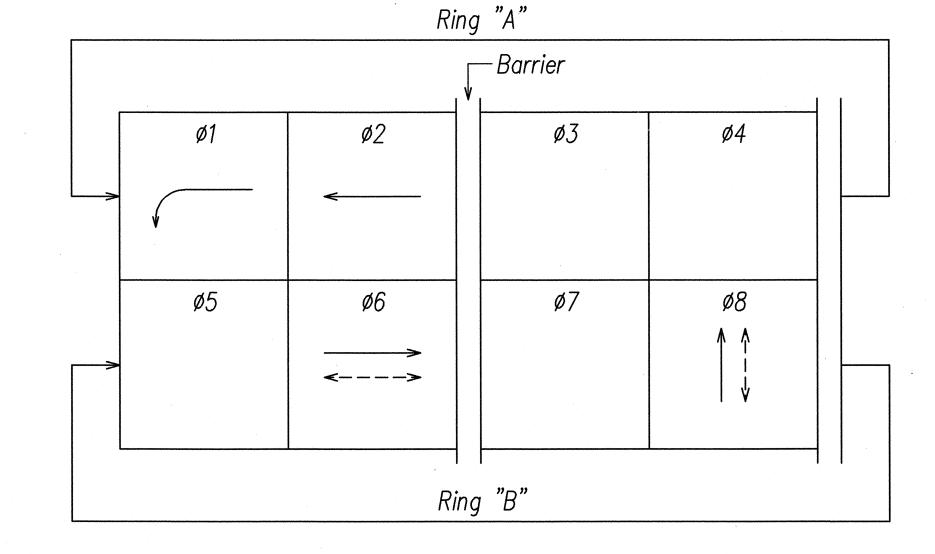
SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	36-AB-02-04M	2005	48	48

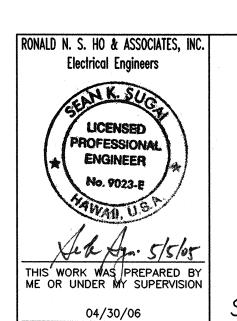




PHASE DIAGRAM



PHASE ASSIGNMENT DIAGRAM



EXPIRATION DATE OF THE LICENSE

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL PHASE DIAGRAMS,

TRAFFIC SIGNAL HEAD SCHEDULE
ROUTE 36, HANA HIGHWAY RESURFACING

HALEAKALA HWY TO HOOKIPA PARK

PAIA TOWN SECTION

Project No. 36-AB-02-04M
Scale: As Noted Date: May 6, 2005

SHEET No. E-7 OF 7 SHEETS

ORIGINAL PLAN BY
PLAN DRAWN BY

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