Eddie Baza Calvo
Governor

GSA

GENERAL SERVICES AGENCY
Government of Guam
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Piti, Guam 96915

Ray Tenorio
Lt. Governor

Christine Baleto
Director, Dept. of Admin.

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Deputy Director

August 17, 2017

INVITATION FOR BID: GSA-065-17
SAMPLING AND ANALYSIS FOR STORM WATER RUNOFF

AMENDMENT #2

1. Amend to replace page 36 & 37 with the "Revised 8/17/2017" page 36 & 37 to include attachments of Location of Well wells - Map.

All others remain unchanged.

8/17/17

CLAUDIA S. ACFALLE
Chief Procurement Officer

ITEM NO.	DESCRIPTION	QTY.	UOM	UNIT PRICE	PRICE EXTENSION
1.1	Sampling and Analysis of Storm Water Run-Off for Underground Injection Control Wells as per the following specification	1	EA.	$_____	$_____

SCOPE OF WORK

Sampling and analysis of storm-water run-off on the following underground injection wells/system as shown on the attached ~~drawings~~: **Map (Location of water wells)**

DW-32	Matapang Percolation Field
DW-31	Fujita Ponding Basin (collect samples near one of the 3 inlets into the percolation field.
DW-3/DW-6	Agana Heights
DW-9/DW-11	Barrigada
DW-21/DW/26	Agana / Anigua
DW-33/DW-36/DW-45	Yona, Route 4
(DW-SP) DW-47	Dededo, Route 25 (Alageta Road)

Samples shall be analyzed for the following parameters:

Item	Compound/Chemical
1	MBAS
2	Oil and Grease
3	NO3-N
4	Endrin
5	Lindane
6	Toxaphene
7	2.4-D
8	Heptachlor
9	Methoxychlor
10	Lead
11	Benzene
12	Ethylbenzene
13	Xylene
14	Toluene
15	Boron
16	COD
17	Ph
18	MTBE
19	2.4-5-TP, Silvex

Analysis of samples shall be performed by a Guam EPA certified laboratory. A Sampling and Analysis Plan (SAP) shall be submitted to Guam EPA for review/approval prior to the first sample collection event. Sampling shall not be performed without the prior approval of SAP by Guam EPA.

Analytical monitoring report shall include the requirements
of the Guam EPA - approved SAP and the following:

An executive summary of sampling analysis _____
Explanation of Sample Collection and Handling _____
Summary table of laboratory results for each submittals _____

Summary table of chemicals that are in non-compliance (exceedance)
with the Maximum Contaminant Level of the UIC Permits _____

Conclusions, Findings, and Recommendation for Corrective Actions _____

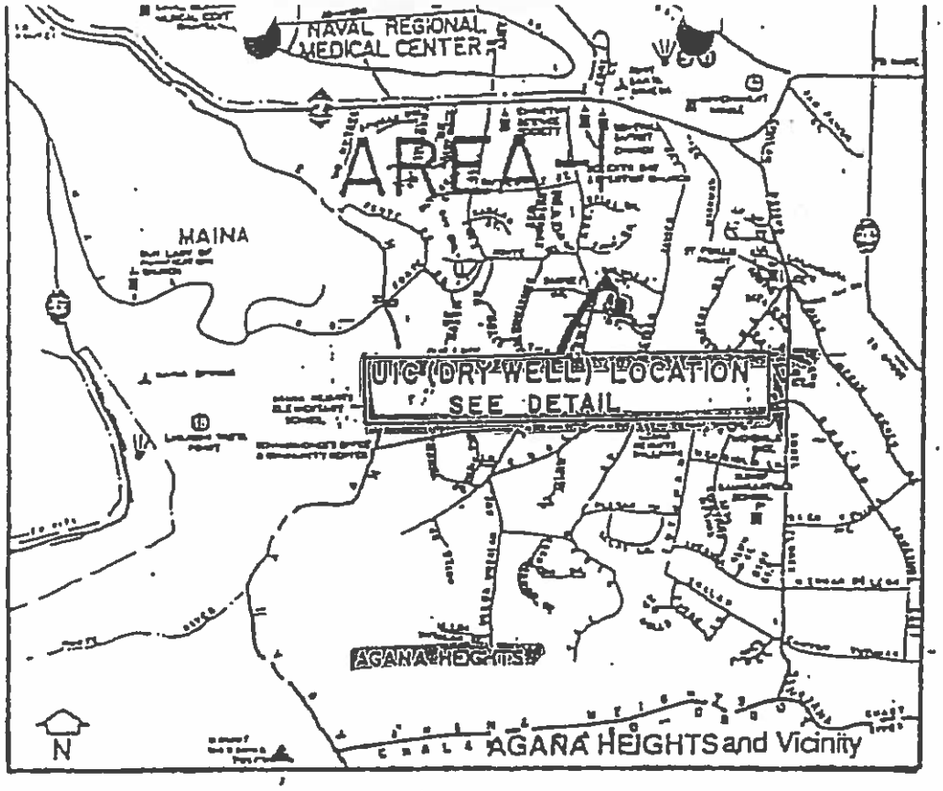
Appendices to include, at a minimum
Quality Control methodology _____
Copy of Certification of a-Laboratory _____
Chain of Custody documentation _____

A report on the analysis shall be submitted to the DPW on the dates listed below to ensure a timely submittal to Guam EPA.

Months and Year To Be Sampled	Months and Year Result To Be Submitted
August thru September	No later than November 2017

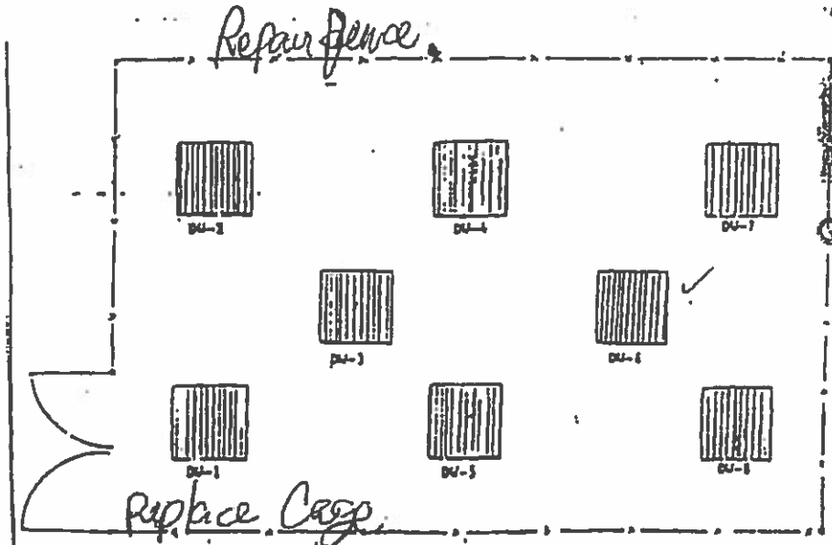
Sampling must be performed during a significant rainfall of each event to ensure sufficient run-off. Scheduled months as indicated above for sampling may be changed with prior notification to DPW and with approval of Guam EPA.

These specifications were developed and prepared by the Staff of the Department of Public Works, Highway Division, Mr. George A. Bamba, Highway Maintenance Superintendent and Rigolberto Diaz, Engineer II



UNDERGROUND INJECTION CONTROL (DRY WELL)
DEPARTMENT OF PUBLIC WORKS
AGANA HEIGHTS

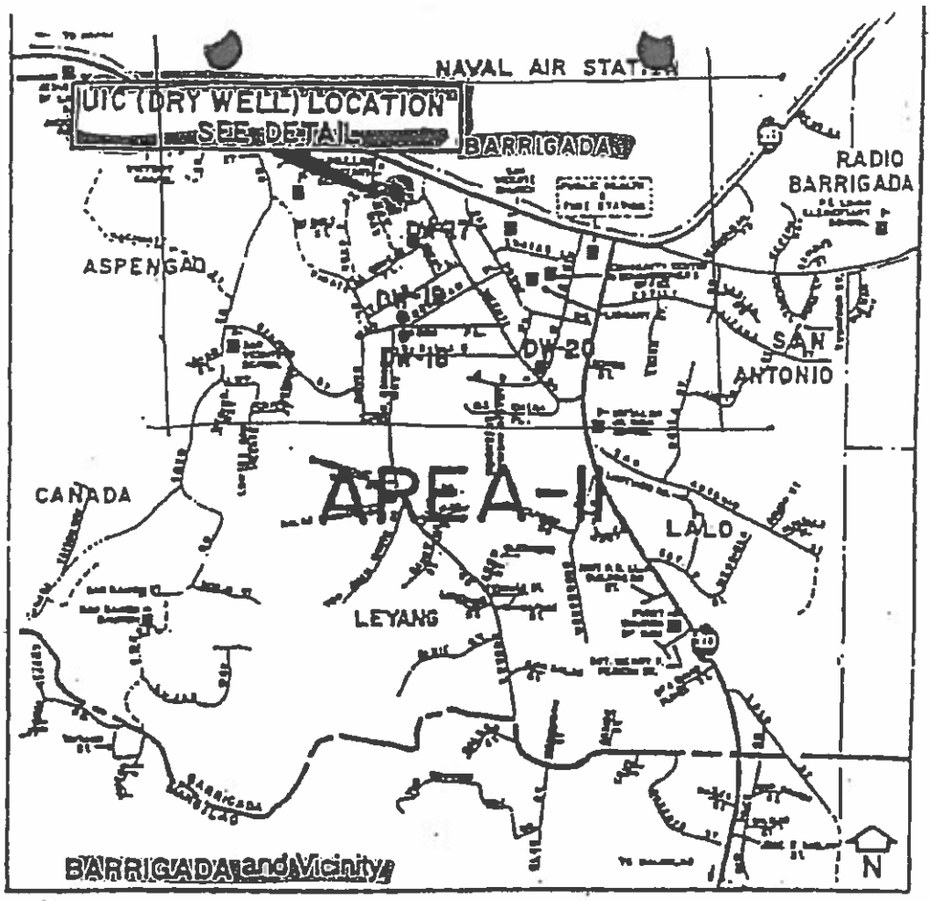
APRIL 17, 1993

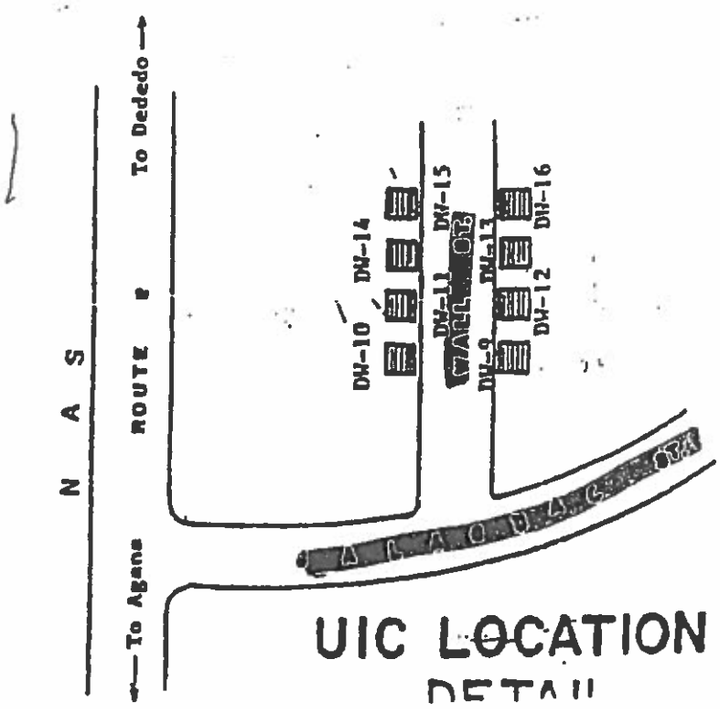


UIC LOCATION
DETAIL

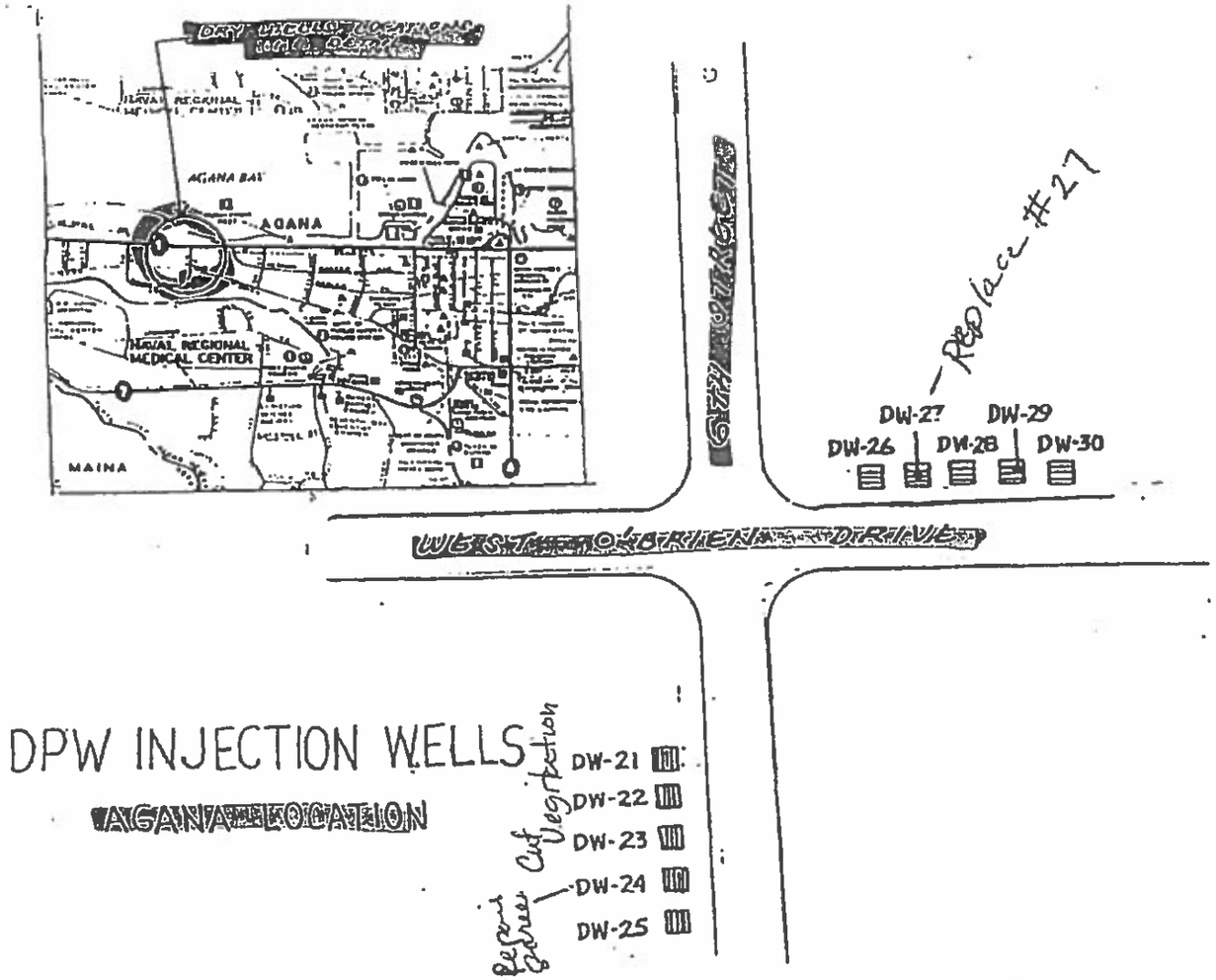
RECEIVED
JAN 31 [illegible]
Guam Environmental [illegible]

ENGINEERING



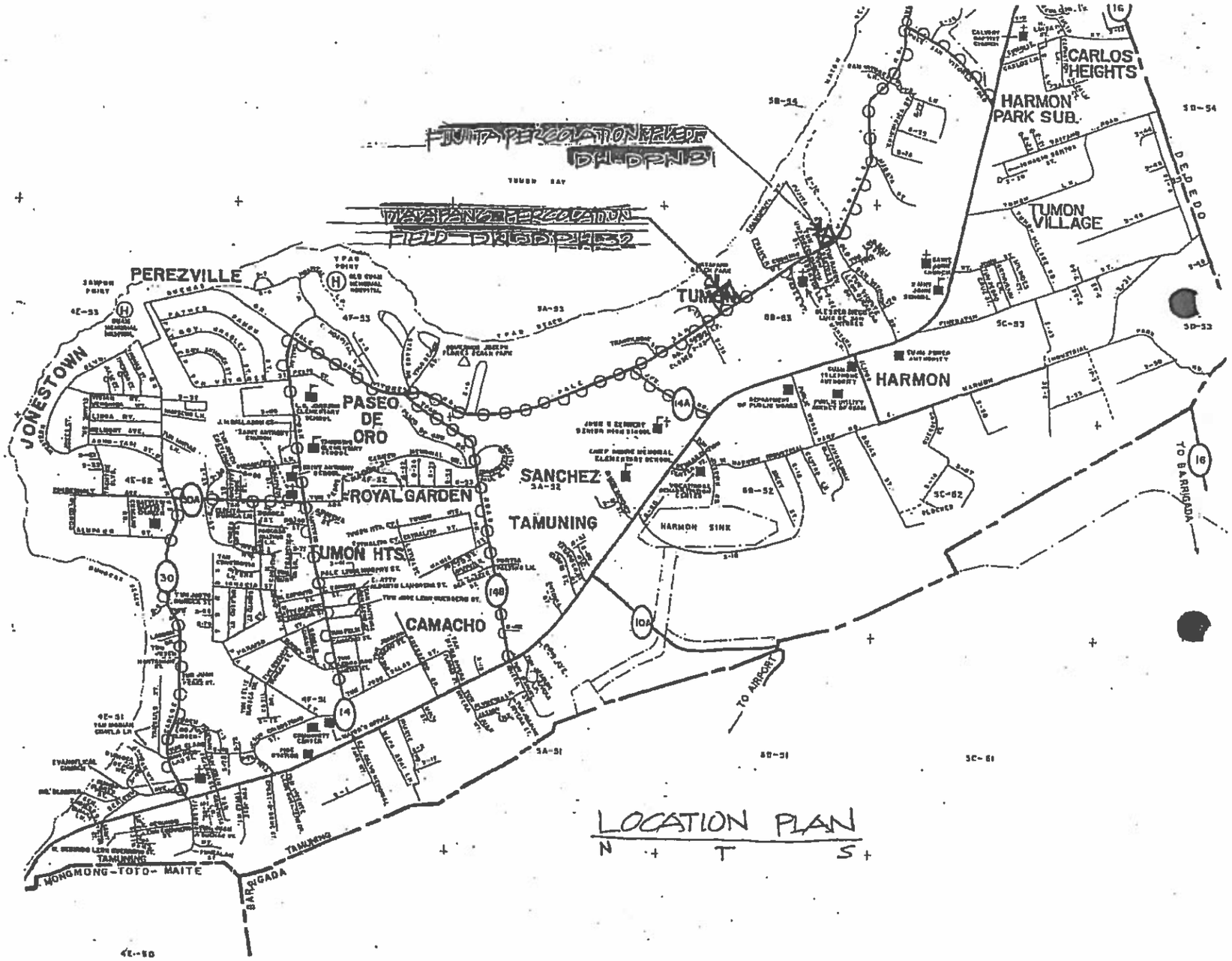


UIC LOCATION
DETAIL



DPW INJECTION WELLS

AGANA LOCATION

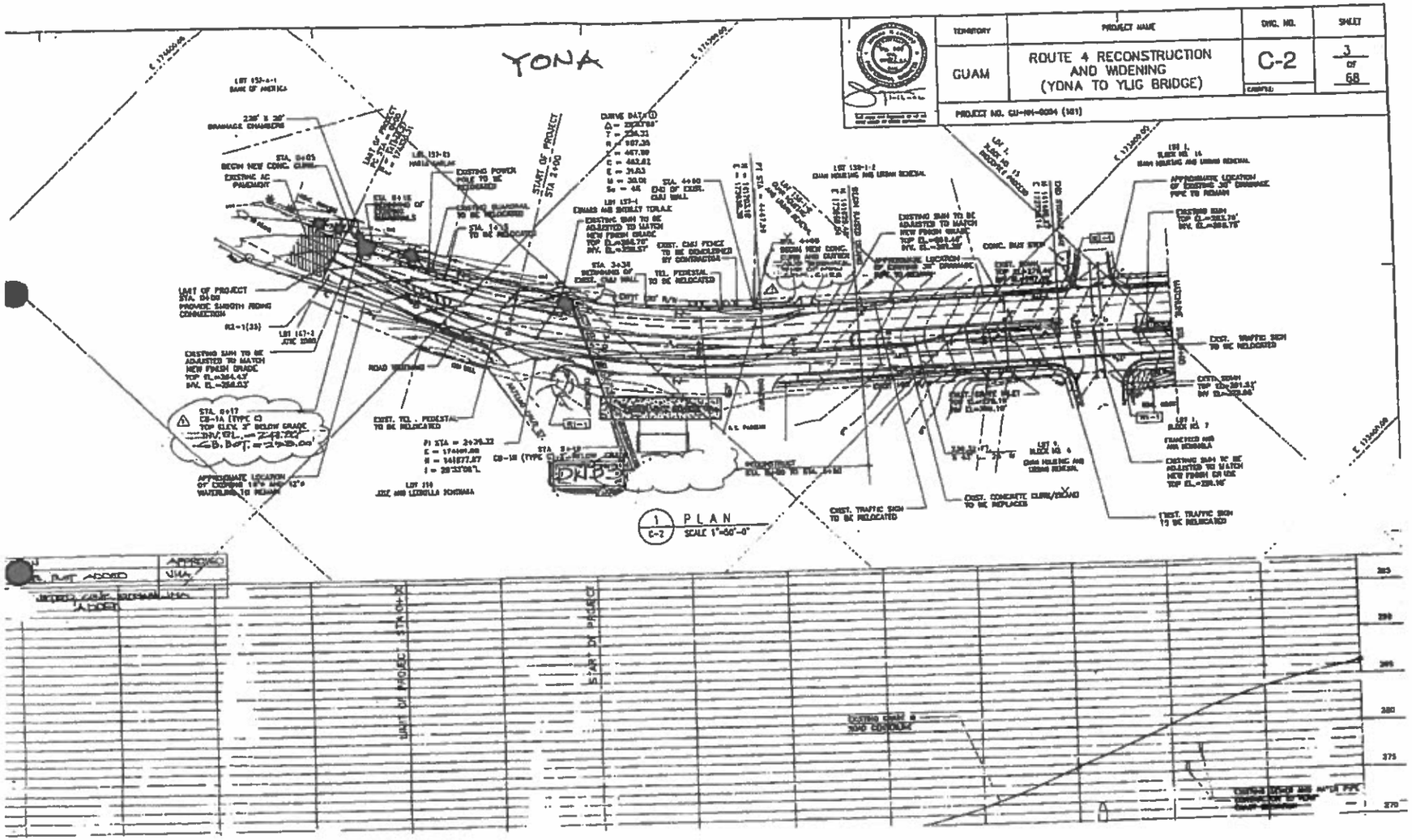


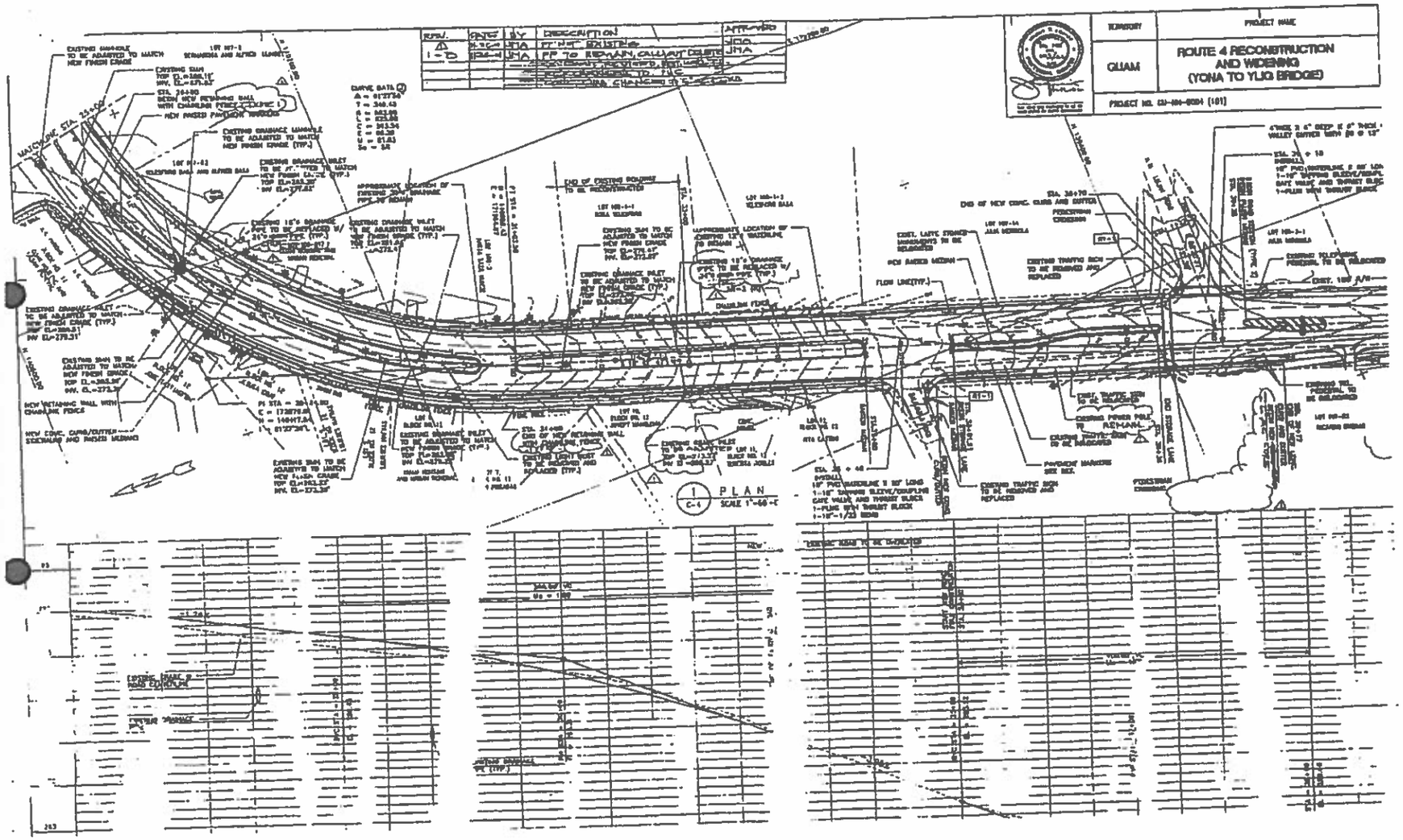
LOCATION PLAN

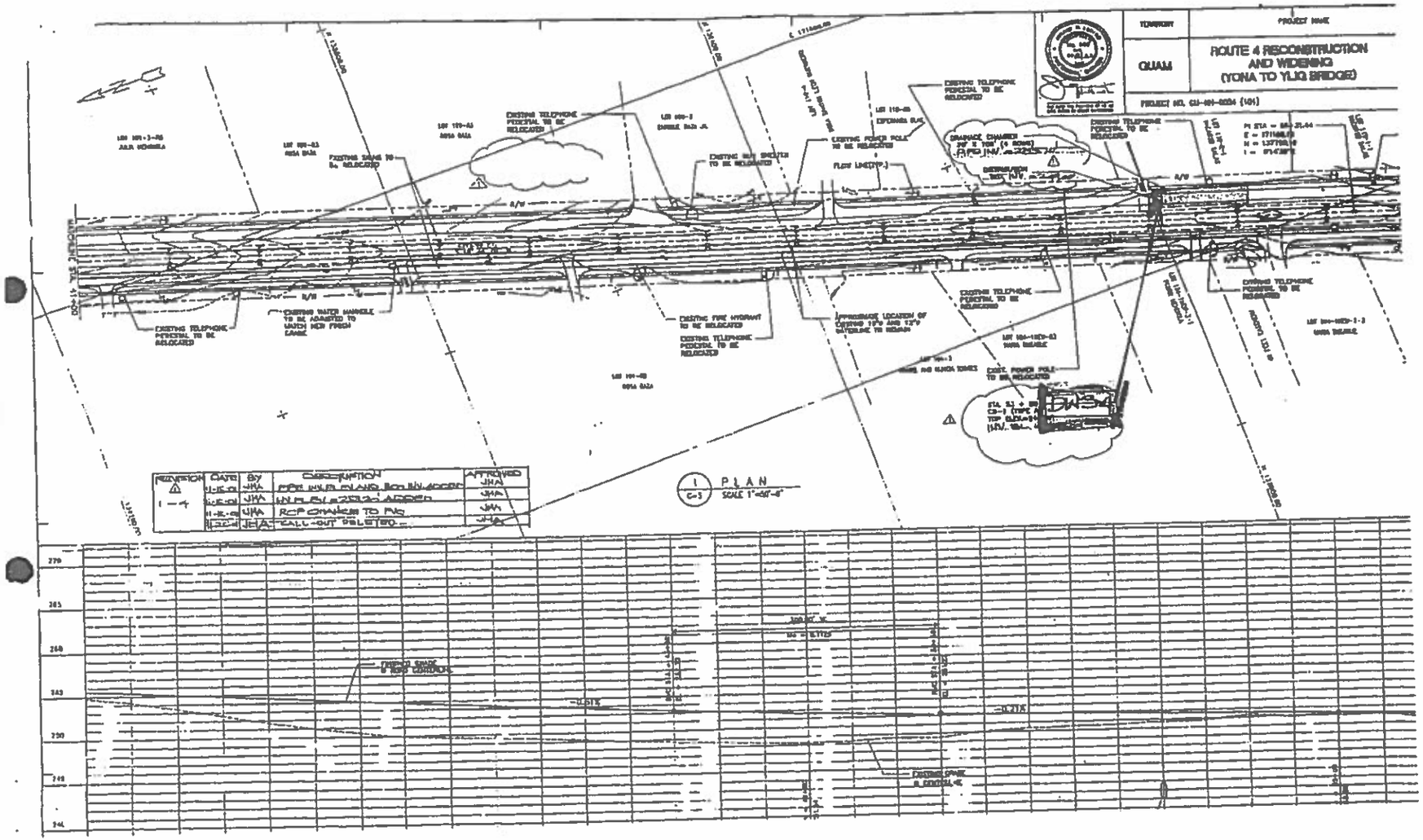
N T S

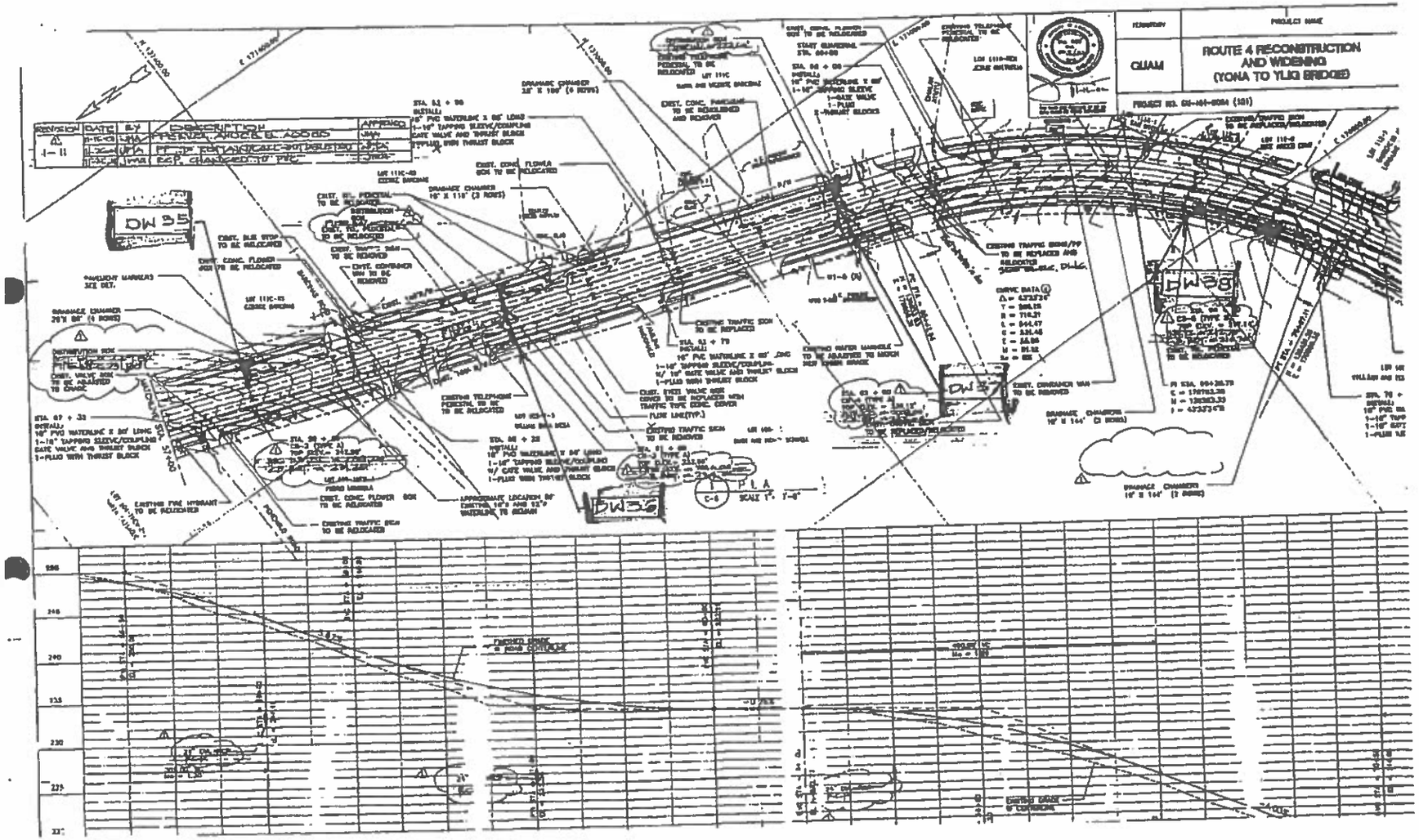
TERRITORY	PROJECT NAME	DWG. NO.	SHEET
GUAM	ROUTE 4 RECONSTRUCTION AND WIDENING (YONA TO YIGO BRIDGE)	C-2	3 OF 68

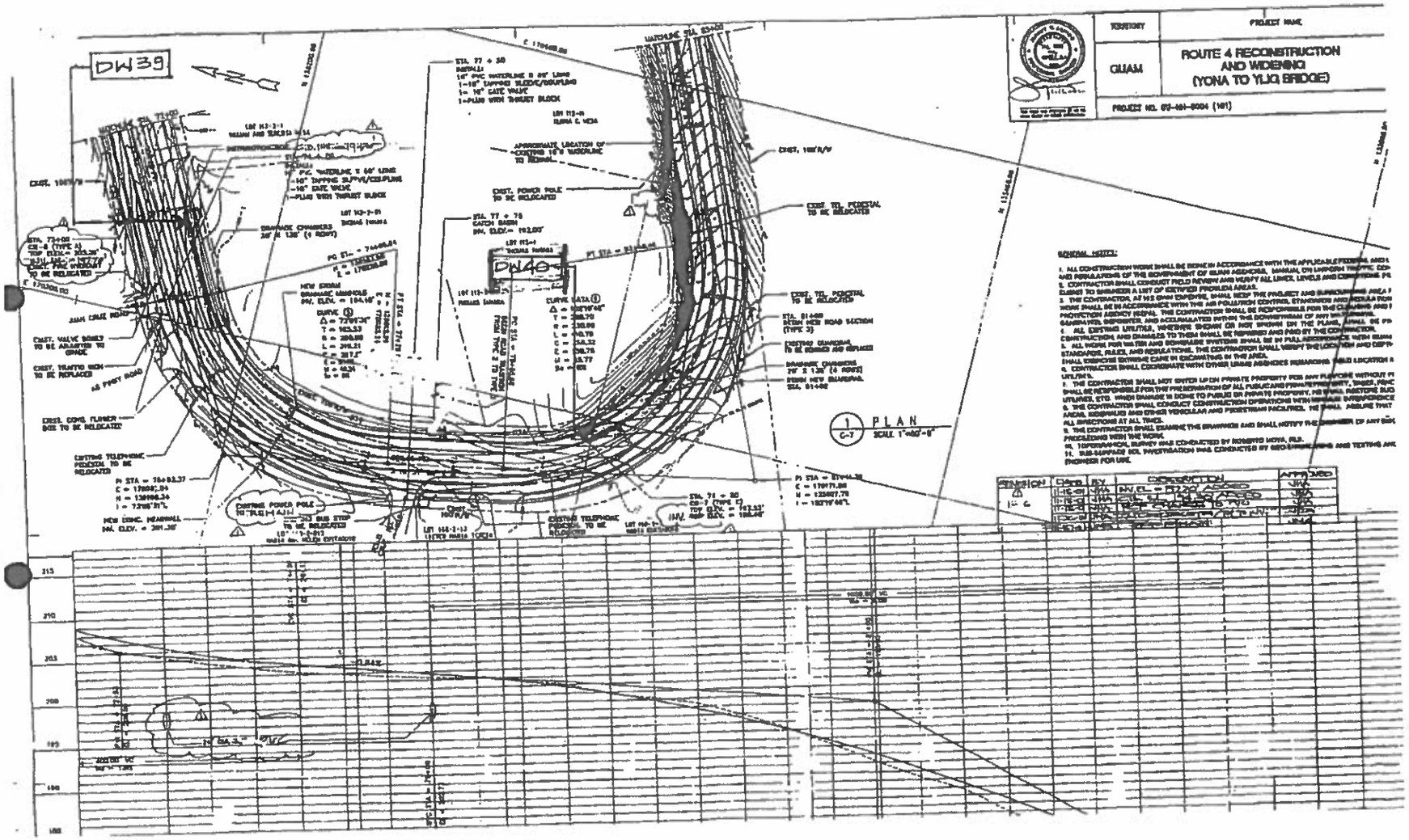
PROJECT NO. GU-NH-0004 (101)

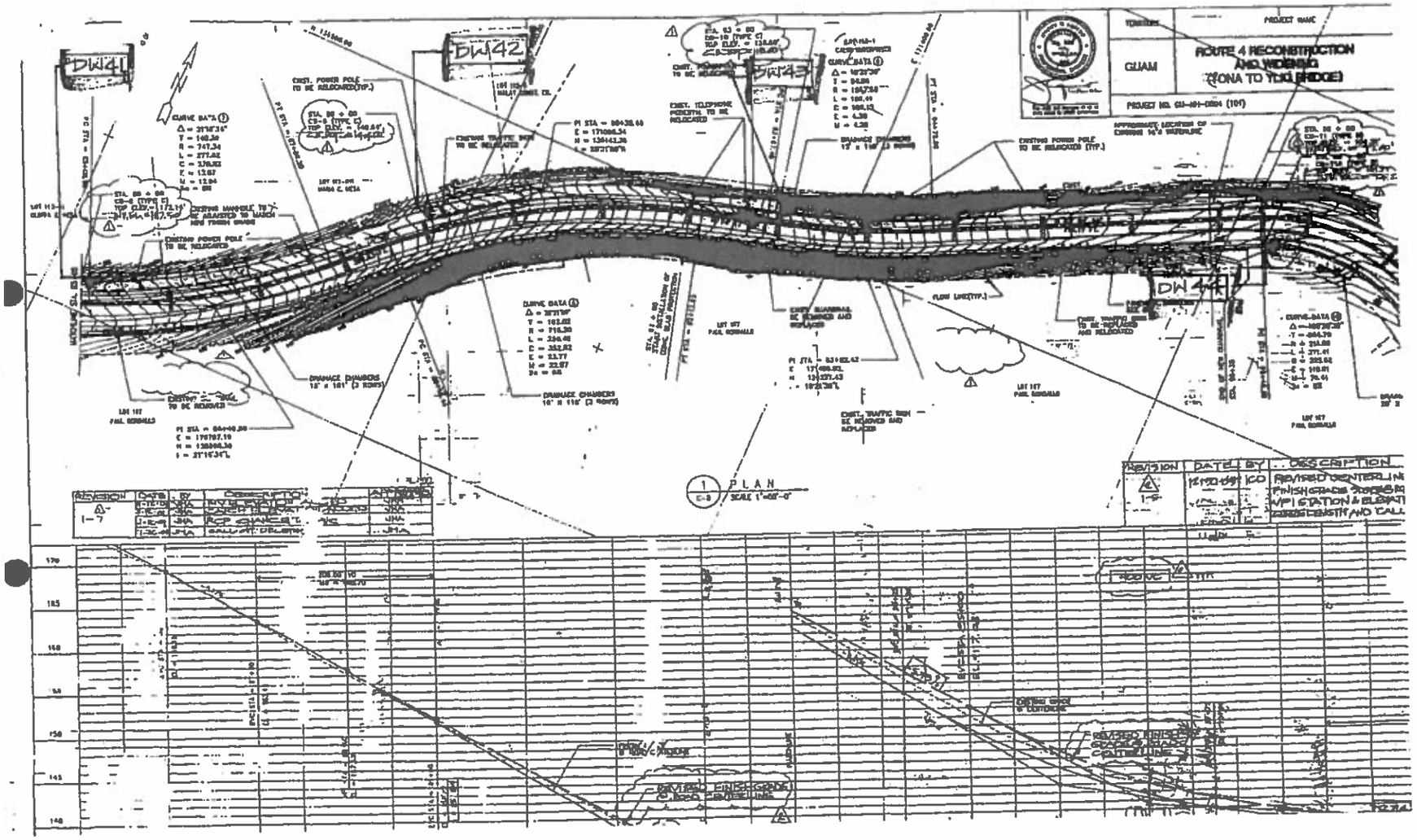


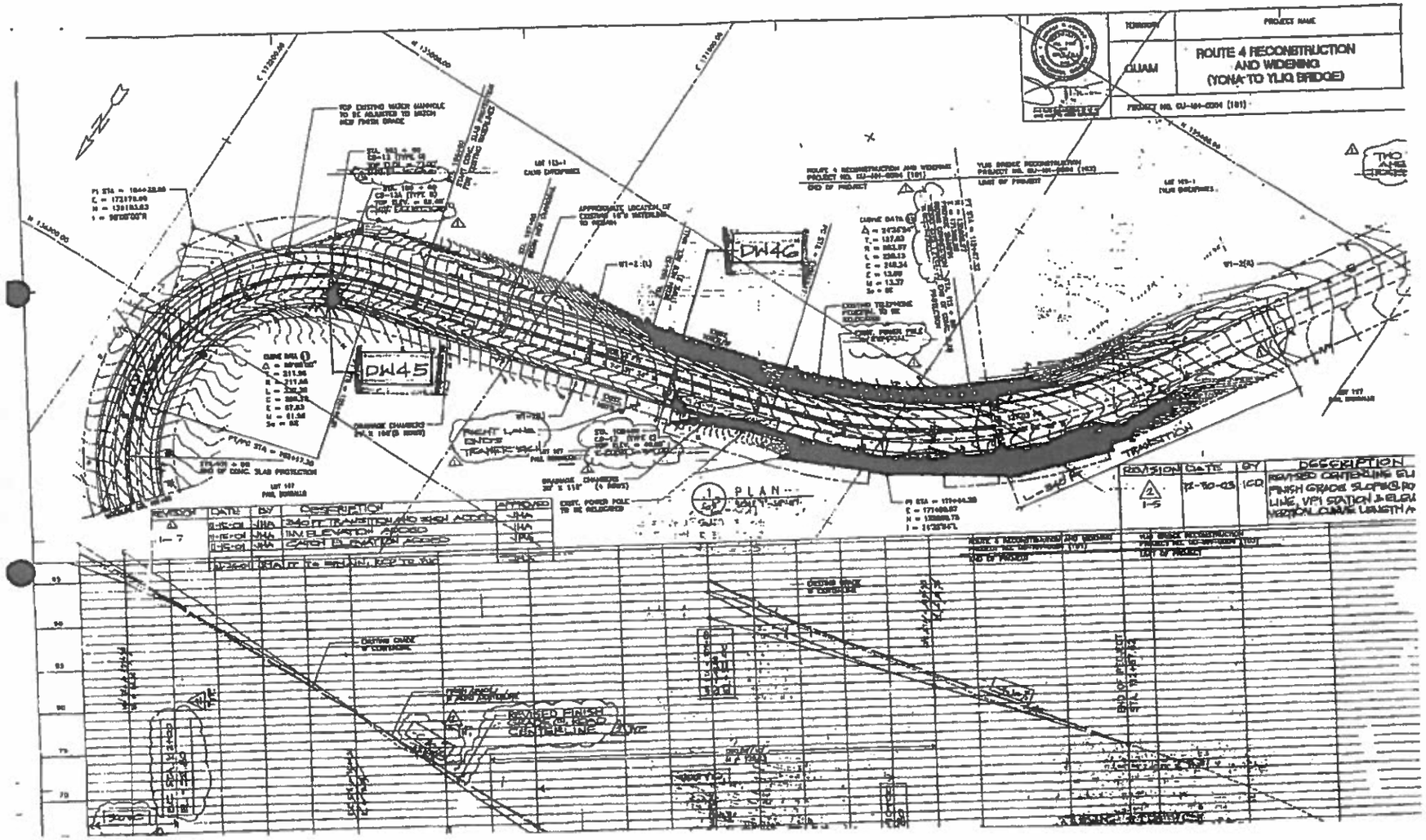

TERRITORY
GUAM
PROJECT NAME
ROUTE 4 RECONSTRUCTION AND WIDENING (YONA TO YIGO BRIDGE)
PLAN
SCALE 1"=60'-0"


TERRITORY
GUAM
PROJECT NAME
ROUTE 4 RECONSTRUCTION AND WIDENING (YONA TO YIGO BRIDGE)
PROJECT NO. GU-101-0024 (101)
EXISTING TELEPHONE PEDESTAL TO BE RELOCATED
EXISTING WATER MANHOLE TO BE ADJUSTED TO MATCH NEW FINISH GRADE
EXISTING FIRE HYDRANT TO BE RELOCATED
EXISTING POWER POLE TO BE RELOCATED
DRAINAGE CHANNEL
R/W
PLAN
SCALE 1"=40'-0"
REVISION
DATE
BY
DESCRIPTION
APPROVED
JHA

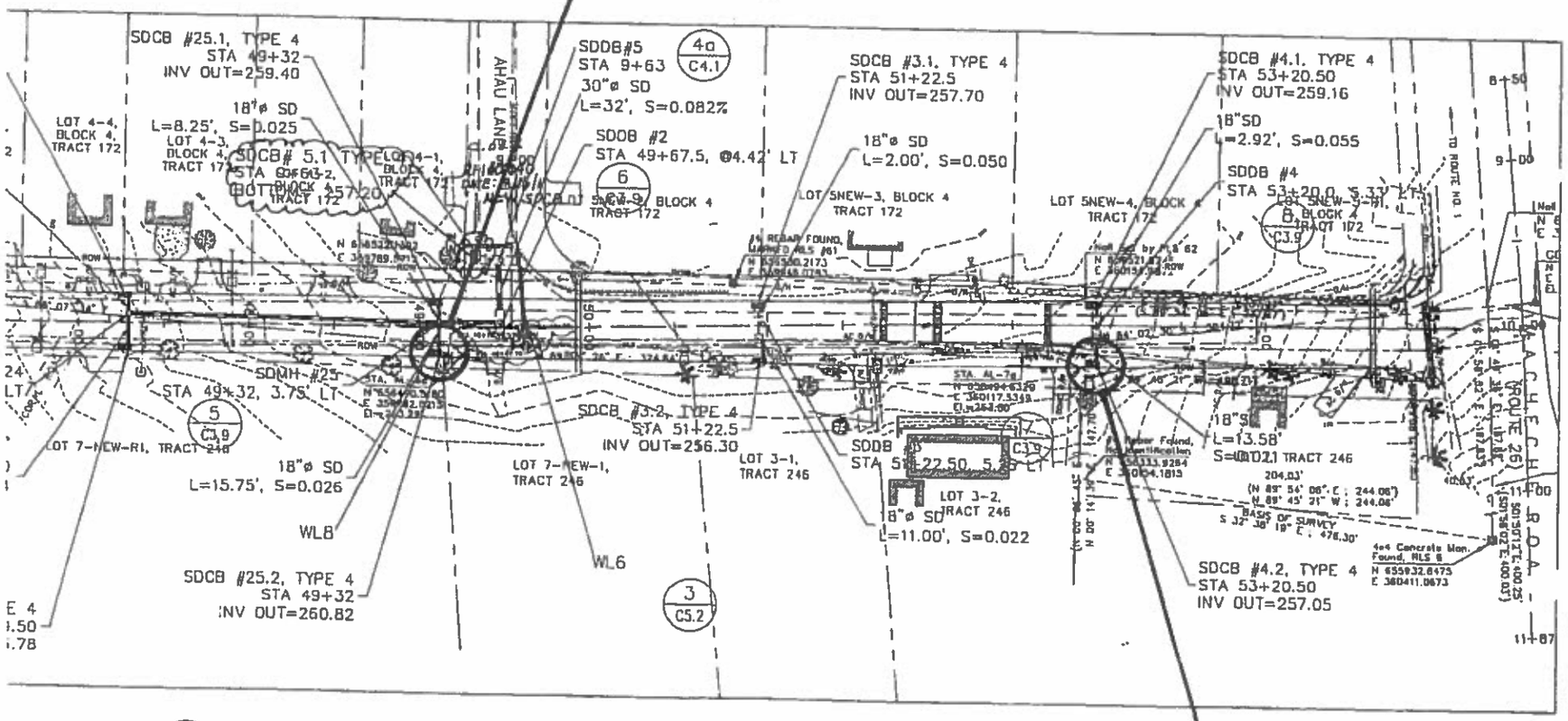

GUAM
ROUTE 4 RECONSTRUCTION AND WIDENING (YONA TO YIGI BRIDGE)
DW 35
DW 36
DW 37
DW 38


DW39
DW40
TERRITORY
GUAM
PROJECT NAME
ROUTE 4 RECONSTRUCTION AND WIDENING (YONA TO YIGO BRIDGE)
PLAN
SCALE 1"=40'-0"
GENERAL NOTES:
REVISION
DATE
BY
DESCRIPTION
APPROVED


GUAM
ROUTE 4 RECONSTRUCTION AND WIDENING
(FONA TO YIGO BRIDGE)
PROJECT NO. GU-401-0004 (101)
DW41
DW42
DW43
DW44
1 PLAN
E-8
SCALE 1"=40'-0"
REVISED FINISHGRADE & CROWN CENTERLINE
EXISTING GRADE & CONTOURS
ABOVE
BELOW


GUAM
ROUTE 4 RECONSTRUCTION AND WIDENING (YONA TO YLIG BRIDGE)
DW45
DW46
PLAN
TRANSITION
REVISED FINISH GRADE OF ROAD CENTERLINE
REVISION
DATE
BY
DESCRIPTION
APPROVED

DW-48
(Sampling Point)



1
C3.6
ROUTE 25 STORM DRAINAGE PLAN
SCALE: 1"=50'-0"

DW-47