

SCALE: 1" = 40'-0"

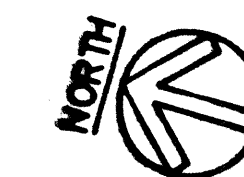


GRAPHIC SCALE

E-7

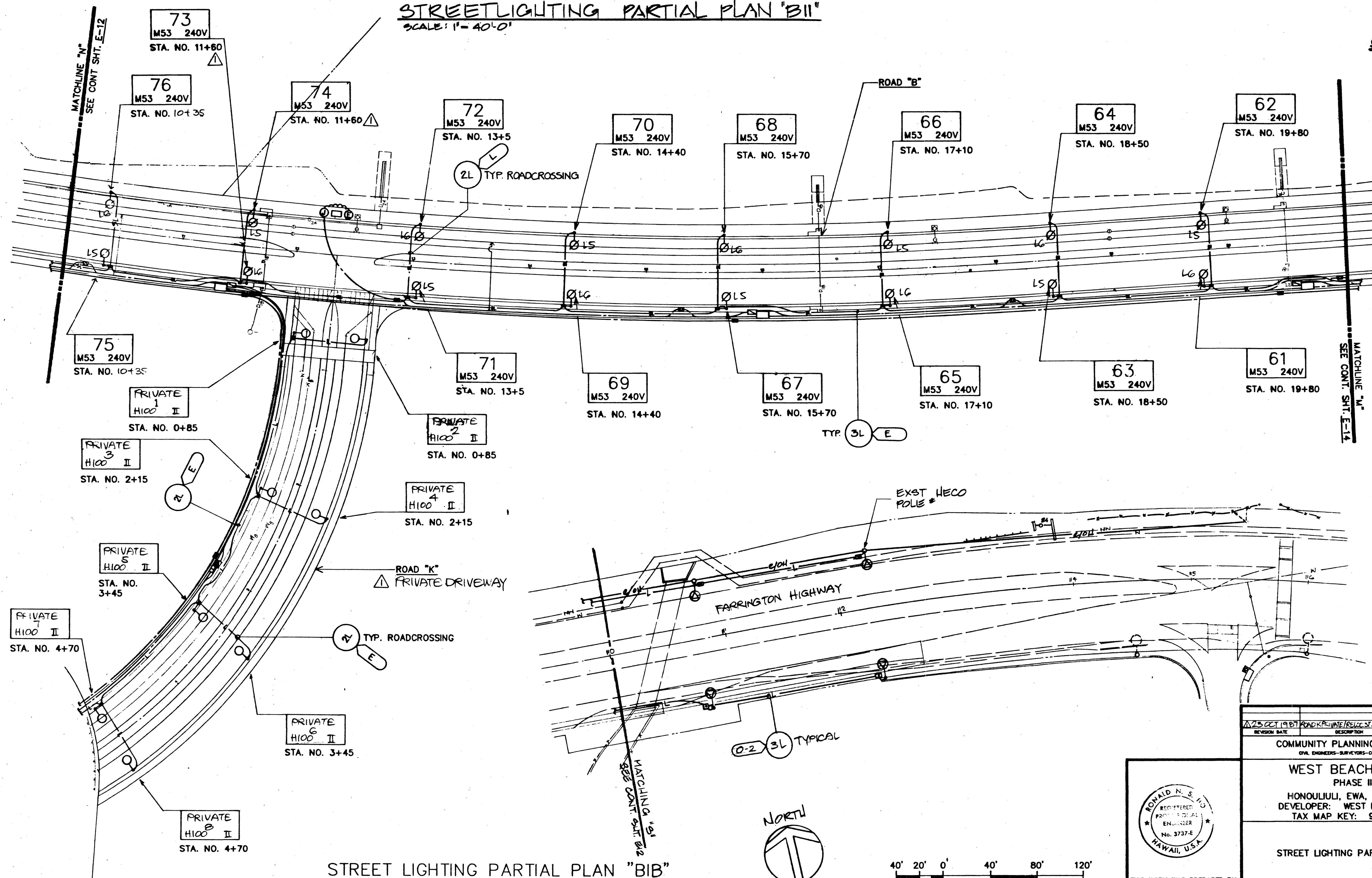
APPROVED: *[Signature]* 10/19/87
HAWAIIAN ELECTRIC COMPANY DATE

[Signature] 12/2/86
HAWAIIAN TELEPHONE COMPANY DATE



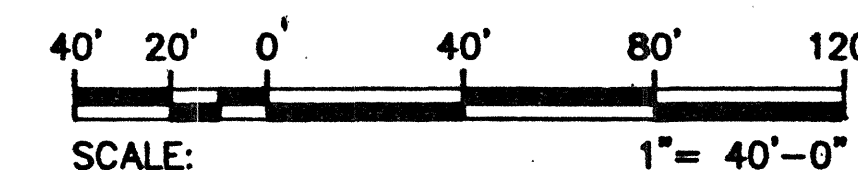
STREETLIGHTING PARTIAL PLAN "BII"

SCALE: 1" = 40'-0"

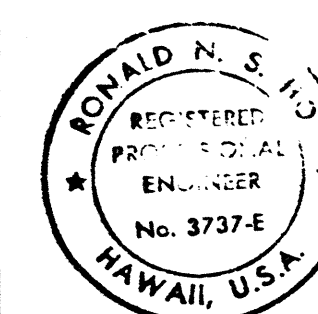


STREET LIGHTING PARTIAL PLAN "BIB"

SCALE: 1" = 40'-0"



GRAPHIC SCALE



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Ronald N. S. Ito

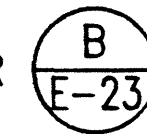
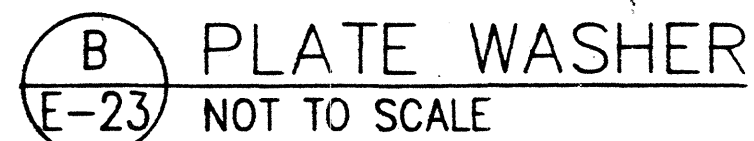
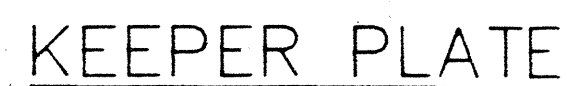
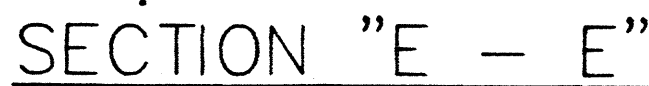
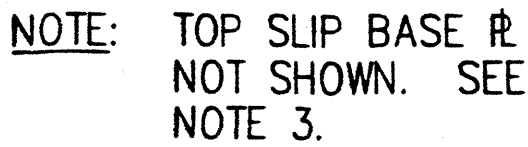
E-13

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
25 OCT 1987	ROAD 'K' PRIVATE DRIVEWAY	CAV/GCF	9
COMMUNITY PLANNING INCORPORATED CIVIL ENGINEERS-SURVEYORS-CONSULTANT PLANNERS			
WEST BEACH RESORT PHASE IIB HONOLULU, EWA, OAHU, HAWAII DEVELOPER: WEST BEACH ESTATES TAX MAP KEY: 9-1-15-POR 544			
STREET LIGHTING PARTIAL PLAN "BII"			
APPROVED: <i>[Signature]</i> 10/19/87 <i>[Signature]</i> 10/19/87 <i>[Signature]</i> 2/17/87			
HAWAII DEPT. OF TRANS. SERVICE			

RECORD DRAWINGS

SHEET 37 OF 69 SHEETS

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



-
- 10'-0"
- ~~EXIST. OR~~ NEW TRUSS TYPE
ALUM. MAST ARM,
SEE PLAN
- MOUNT EXST. MAST
ARM TO
POLE
- SPLIT BOLT CONNECTOR
WITH TAPE (TYP.)
- WHITE #8AWG RHW-USE
- PROVIDE WATERTIGHT
SEAL @ CONDUIT
OPENING.
- FUSED CONNECTOR KIT
- BLACK #8AWG RHW-USE
- ~~EXIST. OR~~ NEW
LUMINAIRE,
SEE PLAN
- 30'-0" NOMINAL
- CONDUIT COUPLING
- 2" GALV. RIGID
STEEL PIPE WITH
2 HOLE CONDUIT
STRAPS SPACED
4'-0" APART.
- WOOD POLE
SEE PLAN
- 2" PVC SCHED. 80 WITH
2 HOLE CONDUIT STRAPS
SPACED 4'-0" APART.
- STREET LIGHT I.D. TAG
~~COORDINATING FOR TYPE & NUMBER~~
- STREET LIGHT PULLBOX
- SHOULDER
- ROADWAY
- FIN.
GR.
- 6'-0"
- 12" RADIUS
CONDUIT BEND

B JOINT POLE STREET LIGHT MOUNTING DETAIL
E-23 NOT TO SCALE

DATE	DESCRIPTION	CAT	GF
26 SEPT 1960	REVIS STATE ST. LT. DET.		
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

COMMUNITY PLANNING INCORPORATED
CIVIL ENGINEERS-SURVEYORS-CONSULTANT PLANNERS

WEST BEACH RESORT
PHASE IIB

HONOLULU, EWA, OAHU, HAWAII
DEVELOPER: WEST BEACH ESTATES
TAX MAP KEY: 9-1-15: PORS 344

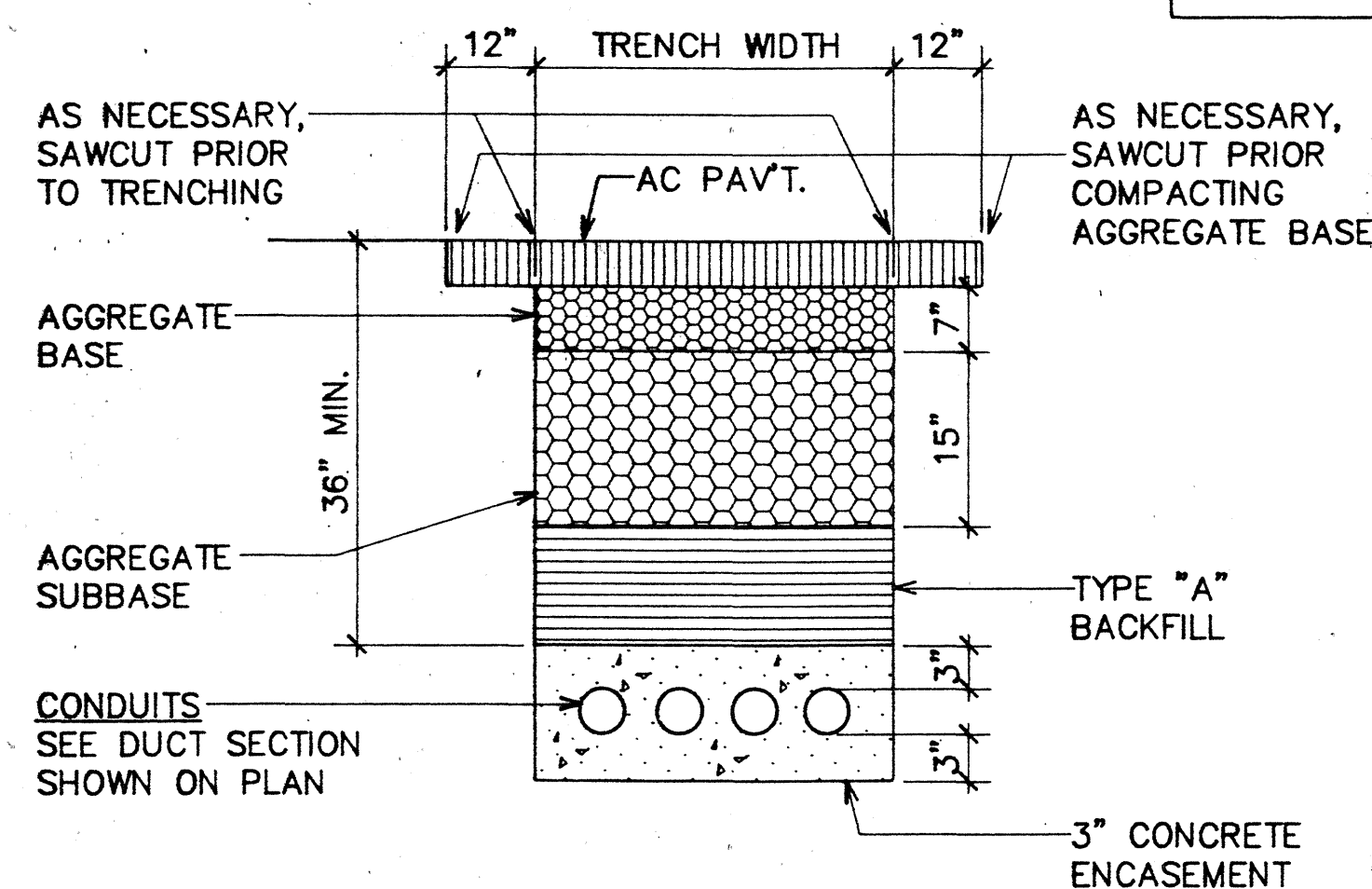
STREET LIGHT DETAILS (STATE)

APPROVED: _____

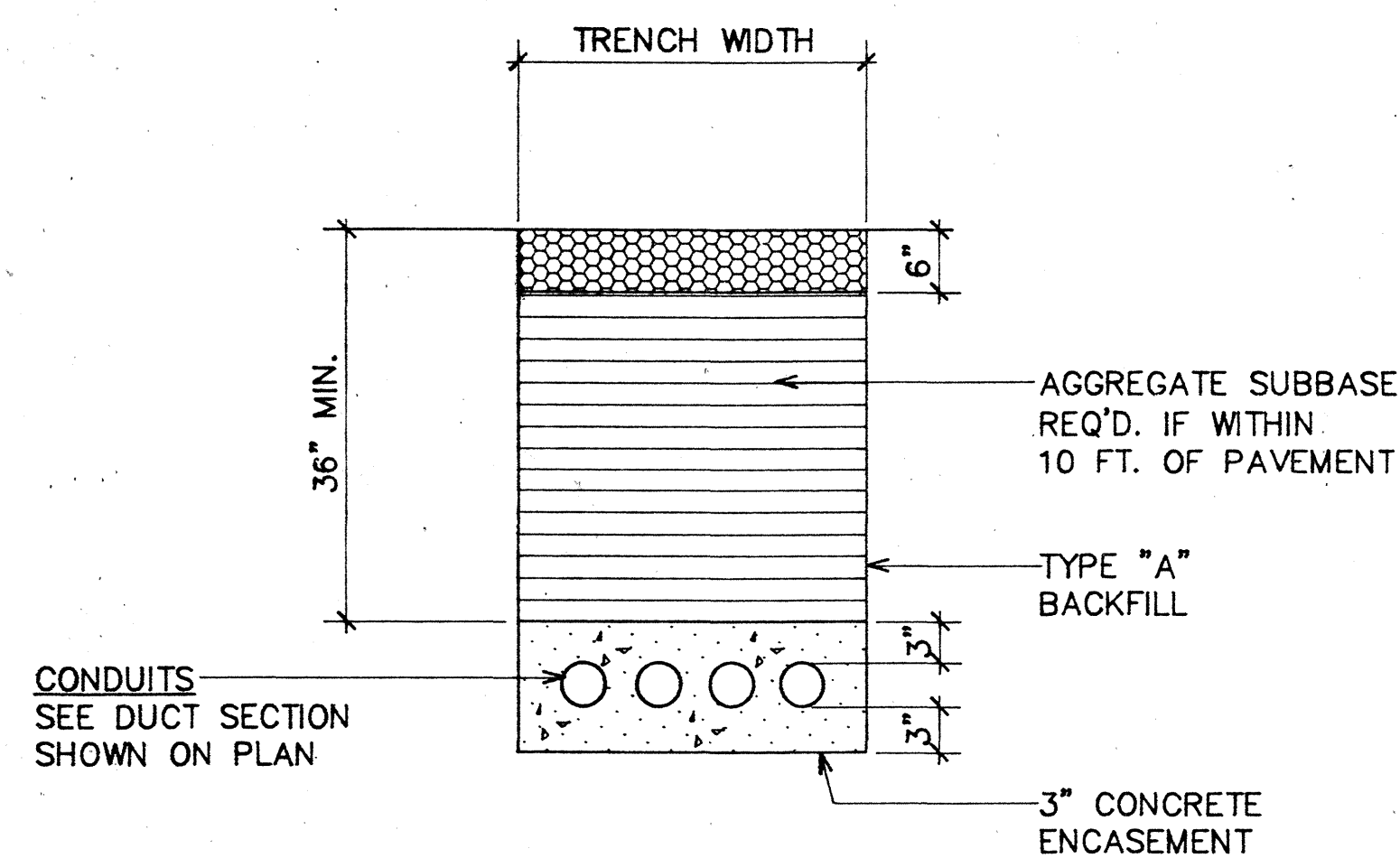
A STATE RIGHT-OF-WAY BACKFILL NOTES

- TRENCH BACKFILL MATERIAL "B"
1. SAND EQUIVALENT ≥ 2
2. 8" MAX. LIFT
3. 95% COMPACTION
- TRENCH BACKFILL MATERIAL "A"
1. SAND EQUIVALENT ≥ 20
2. 8" MAX. LIFT
3. 95% COMPACTION
- IF MATERIAL BELOW DUCT IS NOT EQUIVALENT TO BACKFILL MATERIAL "A", EXCAVATE MATERIAL & PROVIDE 3" BACKFILL MATERIAL "A". SEE ABOVE
- CONCRETE - 3" ENCASEMENT, 2500 PSI COMPRESSIVE STRENGTH @ 28 DAYS.

NOTE: BASE COURSE & SUB-BASE COURSE PER 1985 STATE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

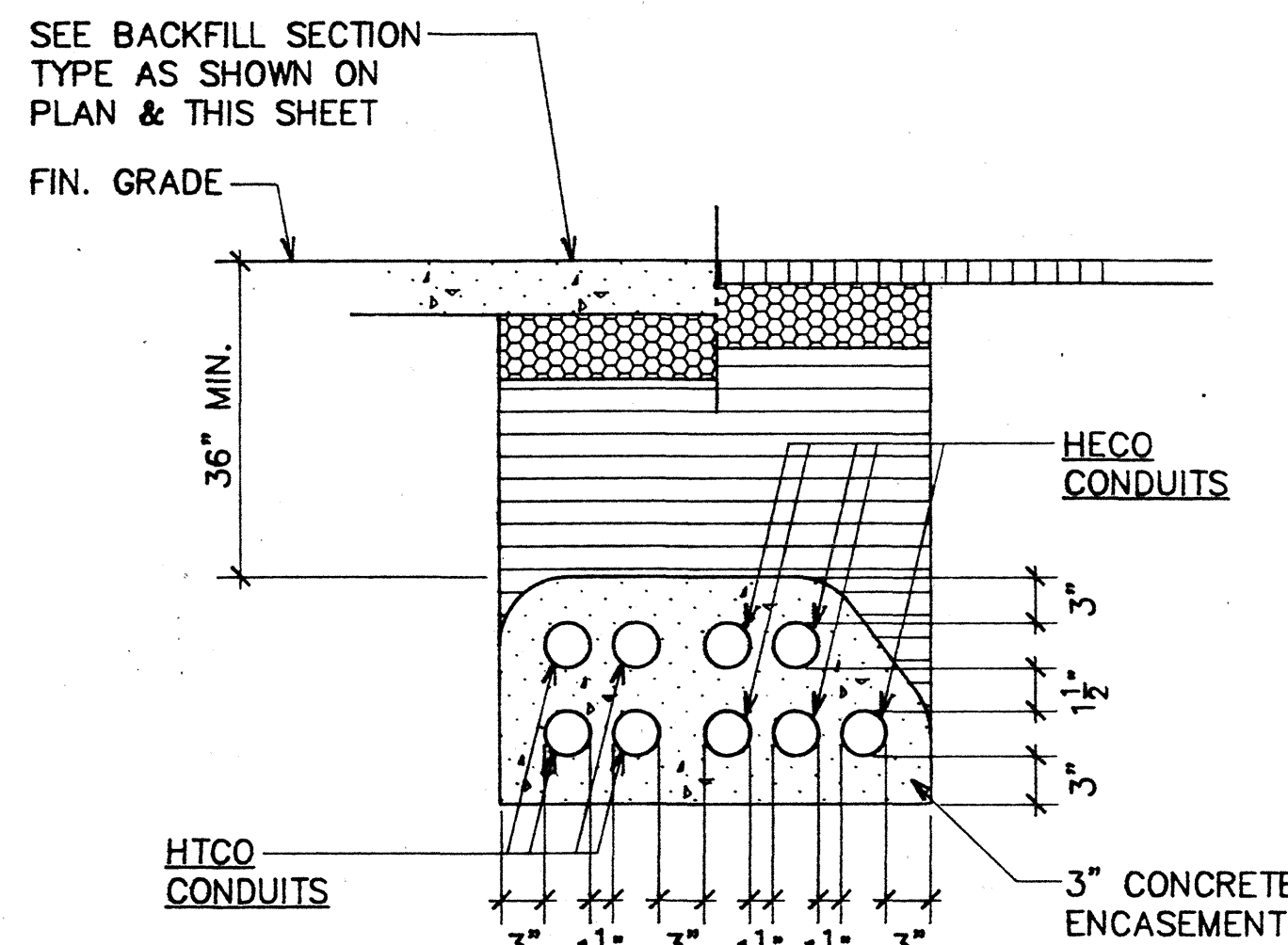


① BACKFILL SECTION
WITHIN STATE RIGHT-OF-WAY
UNDER ROADWAY

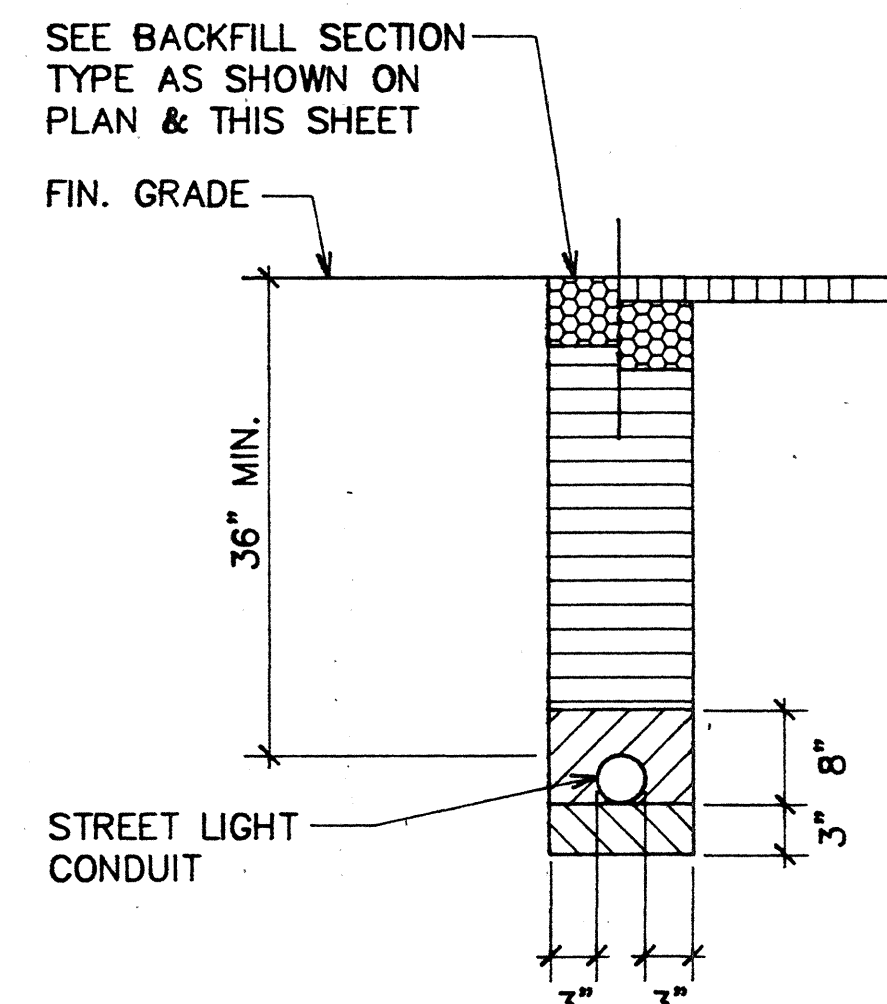


② BACKFILL SECTION
WITHIN STATE RIGHT-OF-WAY
UNDER SHOULDER

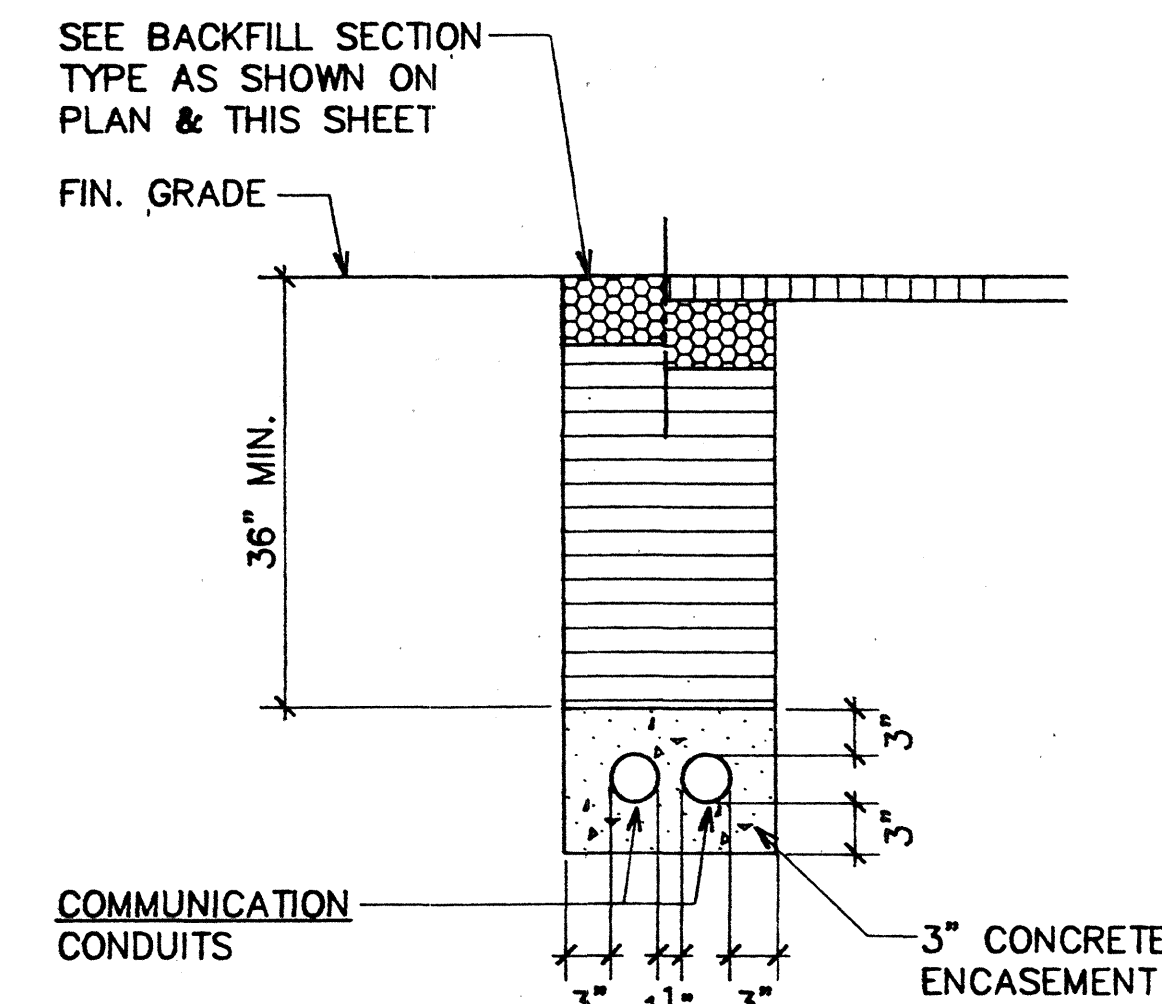
B DUCT SECTIONS (STATE)



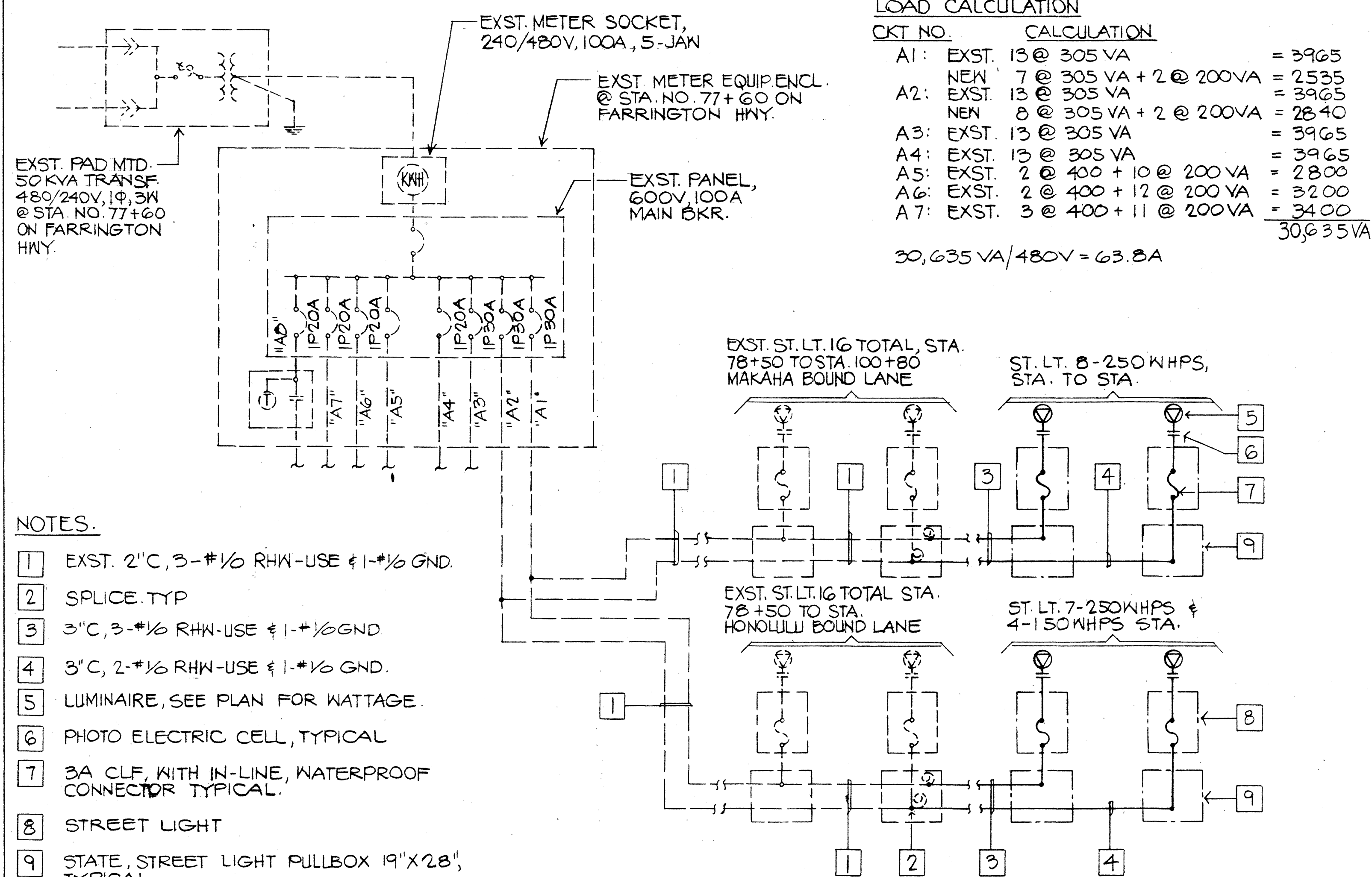
SECTION (N)



SECTION (O)



SECTION (P)



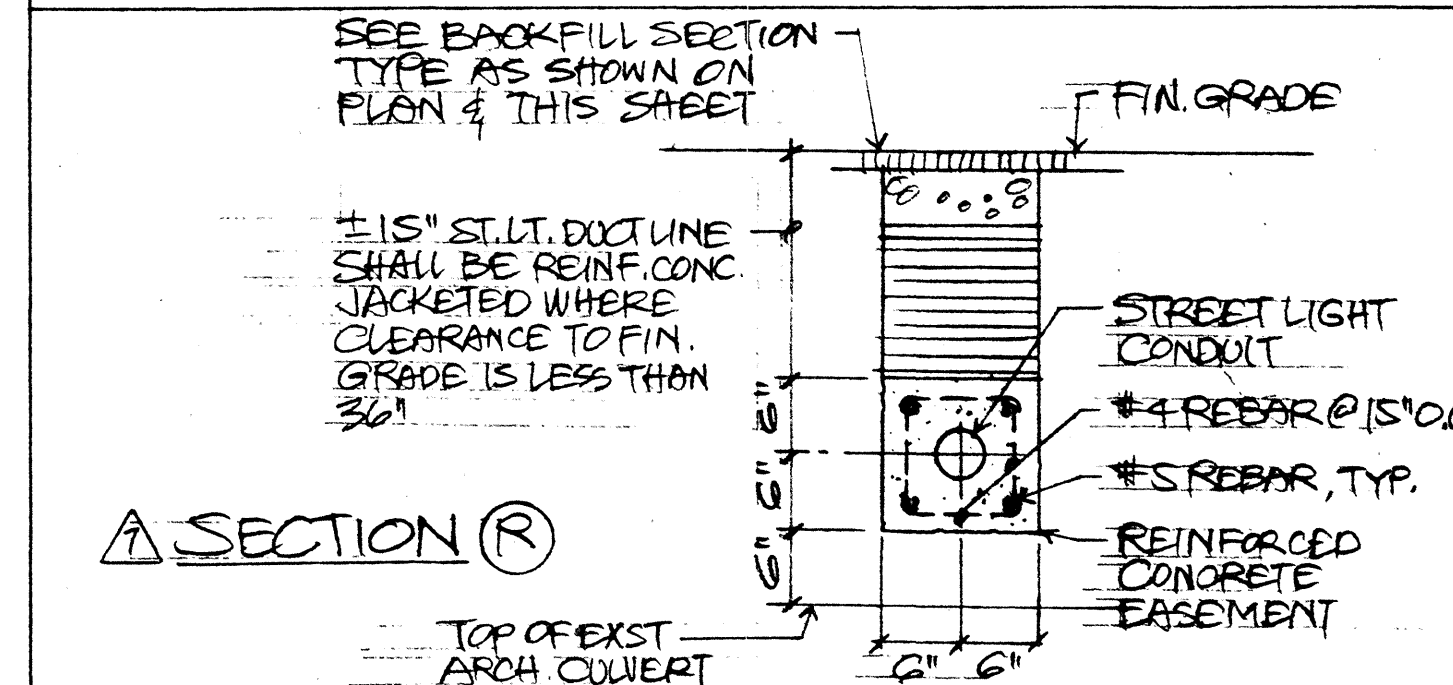
NOTES.

- EXST. 2" C, 3-#1/8 RHW-USE & 1-#1/8 GND.
- SPLICE TYP.
- 3" C, 3-#1/8 RHW-USE & 1-#1/8 GND.
- 3" C, 2-#1/8 RHW-USE & 1-#1/8 GND.
- LUMINAIRE, SEE PLAN FOR WATTAGE.
- PHOTO ELECTRIC CELL, TYPICAL.
- 3A CLF, WITH IN-LINE, WATERPROOF CONNECTOR TYPICAL.
- STREET LIGHT
- STATE STREET LIGHT PULLBOX 19"X28", TYPICAL.

STATE STREET LIGHT CONNECTION DIAGRAM
N.T.S.

NOTES FOR CONSTRUCTION WITHIN STATE RIGHT-OF-WAY.

- CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM STATE'S HIGHWAY DISTRICT ENGINEER AT 727 KAKOI STREET PRIOR TO COMMENCEMENT OF WORK WITHIN THE STATE RIGHT-OF-WAY.
- CONSTRUCTION & RESTORATION OF ALL EXISTING HIGHWAY FACILITIES WITHIN STATE RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE CURRENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", & THE "SPECIFICATION FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS", OF THE STATE HIGHWAYS DIVISION.
- ALL LANES SHALL BE OPEN TO TRAFFIC DURING MORNING PEAK HOURS FROM 6:00 AM TO 8:30 AM & DURING AFTERNOON PEAK HOURS FROM 3:00 PM TO 6:00 PM, & DURING OFF-WORK HOURS. ONLY ONE LANE OF FARRINGTON HIGHWAY SHALL BE CLOSED AT ANY OTHER TIME.
- CONTRACTOR SHALL PROVIDE, INSTALL & MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES, & OTHER PROTECTIVE FACILITIES & SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION & FOR THE CONVENIENCE & SAFETY OF PUBLIC TRAFFIC. ALL SUCH PROTECTIVE FACILITIES & PRECAUTIONS TO BE TAKEN SHALL CONFORM WITH THE "ADMINISTRATIVE RULES OF HAWAII GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREETS & HIGHWAYS" ADOPTED BY THE DIRECTOR OF TRANSPORTATION, & THE CURRENT U.S. FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS, PART VI - TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION & MAINTENANCE OPERATIONS", DATED 1985. IF LANE CLOSURES ARE REQUIRED DURING CONSTRUCTION, A TRAFFIC CONTROL PLAN SHALL BE INCORPORATED INTO THE CONSTRUCTION PLANS AND MUST BE APPROVED BY THE DIVISION PRIOR TO THE ISSUANCE OF THE PERMIT.
- THE MINIMUM PAVEMENT STRUCTURE SHALL CONSIST OF:
 - COMMERCIAL DRIVEWAYS, SIDE ROADS & UTILITY INSTALLATIONS ON MINOR HIGHWAYS
 - 2-1/2" ASPHALT CONCRETE, 8" AGGREGATE BASE COURSE & 12" AGGREGATE SUBBASE, OR 2-1/2" ASPHALT CONCRETE & 8" ASPHALT CONCRETE BASE COURSE OR ASPHALT CONCRETE.
 - 6" OF CLASS "A" CONCRETE REINFORCED WITH 6"x6" - 6/8 WIRE MESH ON 12" AGGREGATE SUBBASE IF DEEMED NECESSARY BY ENGINEER.
 - CHANNELIZED INTERSECTIONS & UTILITY INSTALLATIONS ON MAJOR HIGHWAYS
 - 4" ASPHALT CONCRETE, 8" AGGREGATE BASE COURSE & 12" AGGREGATE SUBBASE, OR 4" ASPHALT CONCRETE & 8" ASPHALT CONCRETE BASE COURSE OR ASPHALT CONCRETE, OR MATCH EXISTING PAVEMENT STRUCTURE, WHICHEVER IS GREATER.
- NO MATERIAL AND/OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITHIN HIGHWAY RIGHT-OF-WAY EXCEPT AT LOCATIONS DESIGNATED IN WRITING & APPROVED BY THE DISTRICT ENGINEER.
- CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADEQUATE, SAFE, NON-SKID BRIDGING MATERIAL OVER TRENCHES, INCLUDING SHORING, WHEN TRENCHING IN PAVEMENT AREAS TO HANDLE ALL TYPES OF VEHICULAR TRAFFIC.
- LONGITUDINAL DRAINAGE ALONG THE HIGHWAY SHALL BE MAINTAINED.
- APPROVAL OF PERMIT CONSTRUCTION PLANS SHALL BE VALID FOR A PERIOD OF ONE YEAR THEREOF FROM THE DATE OF NOTIFICATION OF APPROVAL TO THE APPLICANT. IN THE EVENT CONSTRUCTION DOES NOT COMMENCE WITHIN THIS ONE-YEAR PERIOD, THE APPLICANT WILL BE REQUIRED TO RESUBMIT THIS CONSTRUCTION PLANS FOR DIVISION'S REVIEW AND APPROVAL.
- ALL REGULATORY, GUIDE AND CONSTRUCTION SIGNS AND BARRICADES SHALL BE OF HIGH INTENSITY REFLECTIVE SHEETING.



REVISION DATE	DESCRIPTION	MADE BY	APPROVED
A 20 SEP 1989	ST. LT. DUCT @ ARCH COVER	CAT	GF
COMMUNITY PLANNING INCORPORATED CIVIL ENGINEERS-SURVEYORS-CONSULTANT PLANNERS			
WEST BEACH RESORT PHASE IIB HONOLULU, EWA, OAHU, HAWAII DEVELOPER: WEST BEACH ESTATES TAX MAP KEY: 9-1-15: PORS. 3&4			
STATE RIGHT-OF-WAY NOTES, DUCT SECTIONS (STATE)			
APPROVED: _____			