

LAND ZONING KEY

- NATURAL AREAS
- WILDLIFE MANAGEMENT (HUNTING ZONE)
- RECREATION-LOW DENSITY USE
- RECREATION-INTENSIVE USE (STATE FACILITY)
- RECREATION-INTENSIVE USE (CORPS FACILITY)
- FEDERAL ADMINISTRATIVE AREA (PROJECT OPERATIONS)
- OUTDOOR EDUCATION AND RESEARCH
- WINTER SPORTS AREAS

WATER ZONING KEY

- UNLIMITED SPEED AND WATER SKI ZONE
- IDLING NO WAKE SPEED ZONE
- DANGER ZONE
- BOATS PROHIBITED

ZONING PLAN

MASTER PLAN-DESIGN MEMORANDUM NO.8
MICHAEL J. KIRWAN DAM & RESERVOIR/
WEST BRANCH STATE PARK

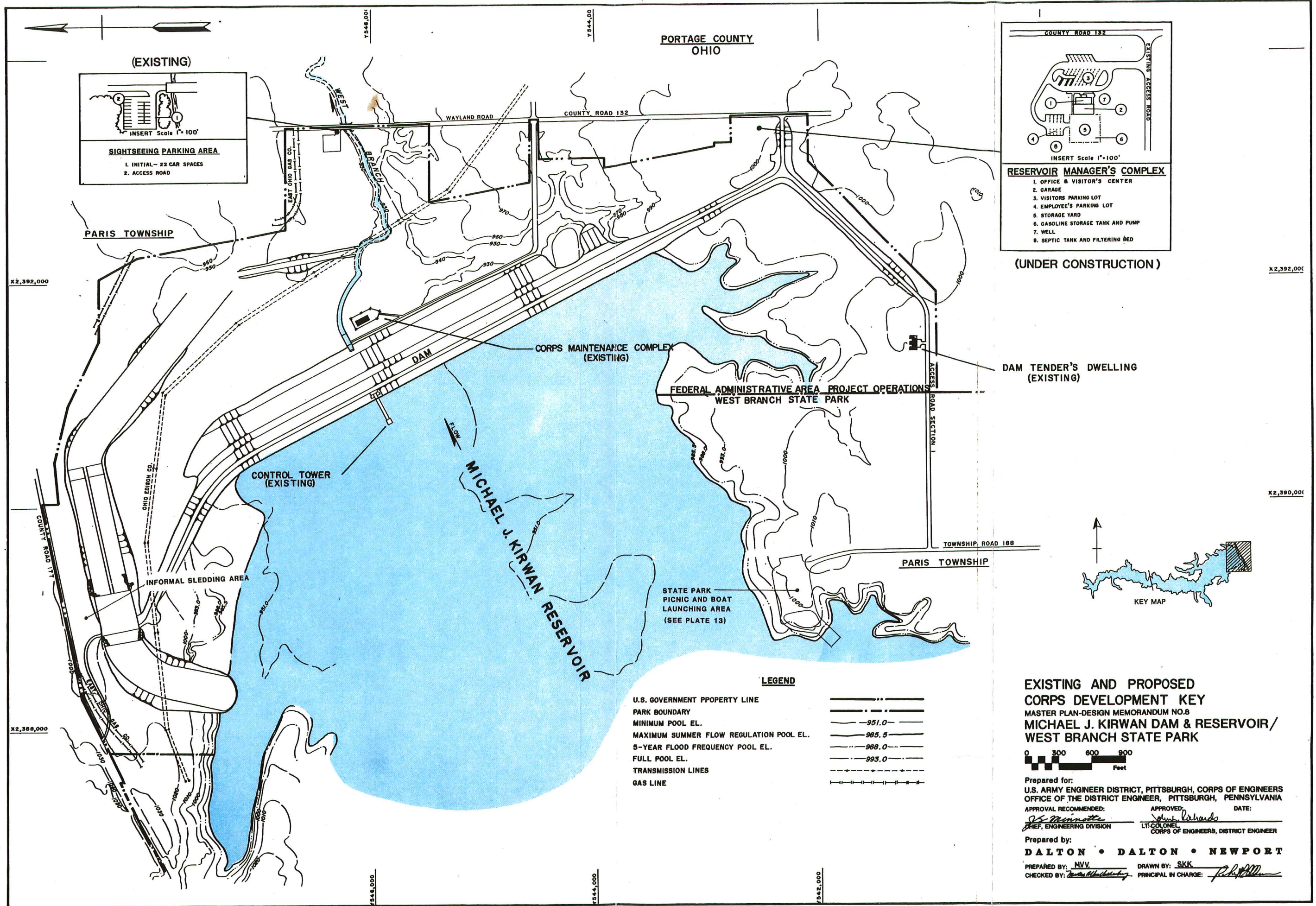
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Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA

APPROVAL RECOMMENDED: *[Signature]* DATE: *[Signature]*
CHIEF, ENGINEERING DIVISION LT. COLONEL
CORPS OF ENGINEERS, DISTRICT ENGINEER

Prepared by:
DALTON • DALTON • NEWPORT

PREPARED BY: M.V.V. DRAWN BY: F.M.E.
CHECKED BY: *[Signature]* PRINCIPAL IN CHARGE: *[Signature]*



(EXISTING)

1. INITIAL - 22 CAR SPACES
2. ACCESS ROAD

COUNTY ROAD 132

EXISTING ACCESS ROAD

1. OFFICE & VISITOR'S CENTER
2. GARAGE
3. VISITORS PARKING LOT
4. EMPLOYEE'S PARKING LOT
5. STORAGE YARD
6. GASOLINE STORAGE TANK AND PUMP
7. WELL
8. SEPTIC TANK AND FILTERING BED

(UNDER CONSTRUCTION)

LEGEND

U.S. GOVERNMENT PROPERTY LINE
PARK BOUNDARY
MINIMUM POOL EL. -951.0
MAXIMUM SUMMER FLOW REGULATION POOL EL. -985.5
5-YEAR FLOOD FREQUENCY POOL EL. -988.0
FULL POOL EL. -993.0
TRANSMISSION LINES
GAS LINE

EXISTING AND PROPOSED
CORPS DEVELOPMENT KEY
MASTER PLAN-DESIGN MEMORANDUM NO.8
MICHAEL J. KIRWAN DAM & RESERVOIR/
WEST BRANCH STATE PARK

0 300 600 900
Feet

Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA

APPROVAL RECOMMENDED: *John Mennotta*
CHIEF, ENGINEERING DIVISION

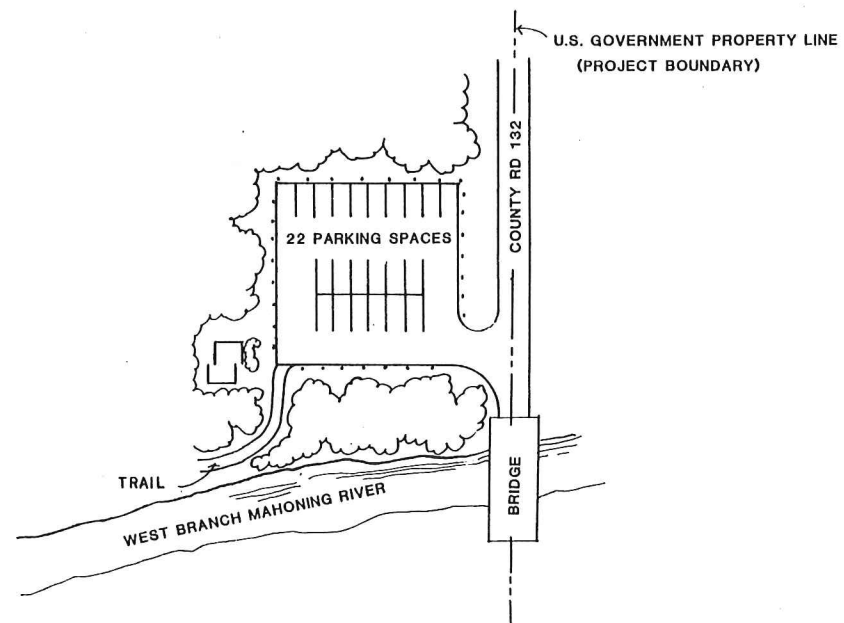
APPROVED: *John Mennotta*
LT. COLONEL
CORPS OF ENGINEERS, DISTRICT ENGINEER

DATE:

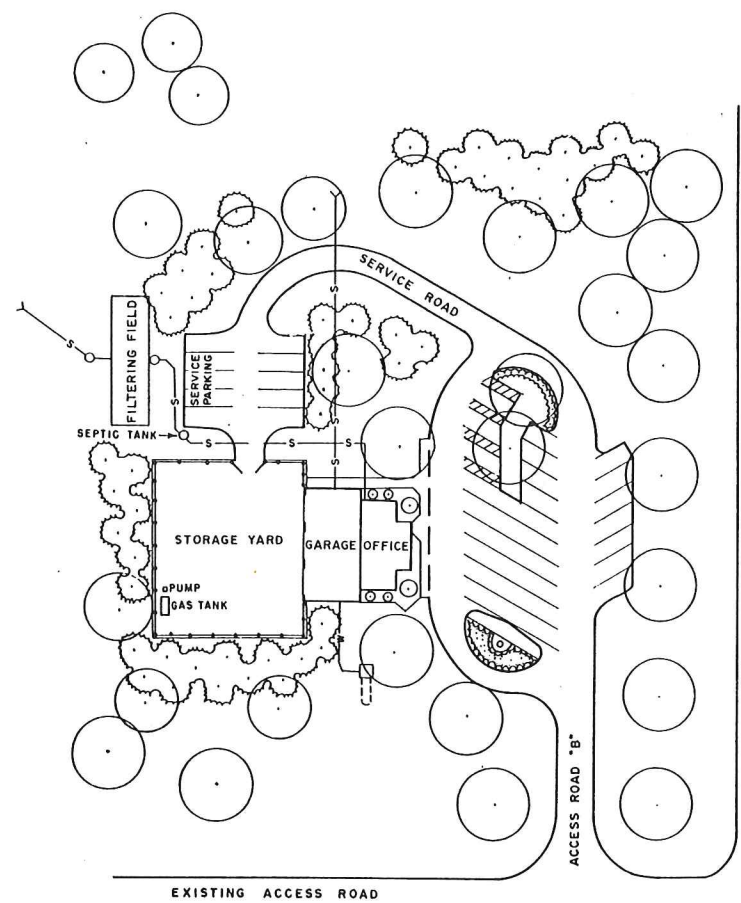
Prepared by:
DALTON • DALTON • NEWPORT

PREPARED BY: *MVV*
CHECKED BY: *John Mennotta*

DRAWN BY: *SKK*
PRINCIPAL IN CHARGE: *John Mennotta*



**SIGHTSEEING PARKING AREA
(EXISTING)**



**RESERVOIR MANAGER'S OFFICE
AND VISITORS' CENTER
(UNDER CONSTRUCTION)**

U.S. GOVERNMENT PROPERTY LINE
(PROJECT BOUNDARY)

PARKING SPACES

- 9 HANDICAPPED
- 6 CAR/TRAILER
- 11 CAR
- 10 SERVICE YARD



**EXISTING AND PROPOSED
CORPS PUBLIC FACILITIES**
MASTER PLAN-DESIGN MEMORANDUM NO.8
**MICHAEL J. KIRWAN DAM & RESERVOIR/
WEST BRANCH STATE PARK**

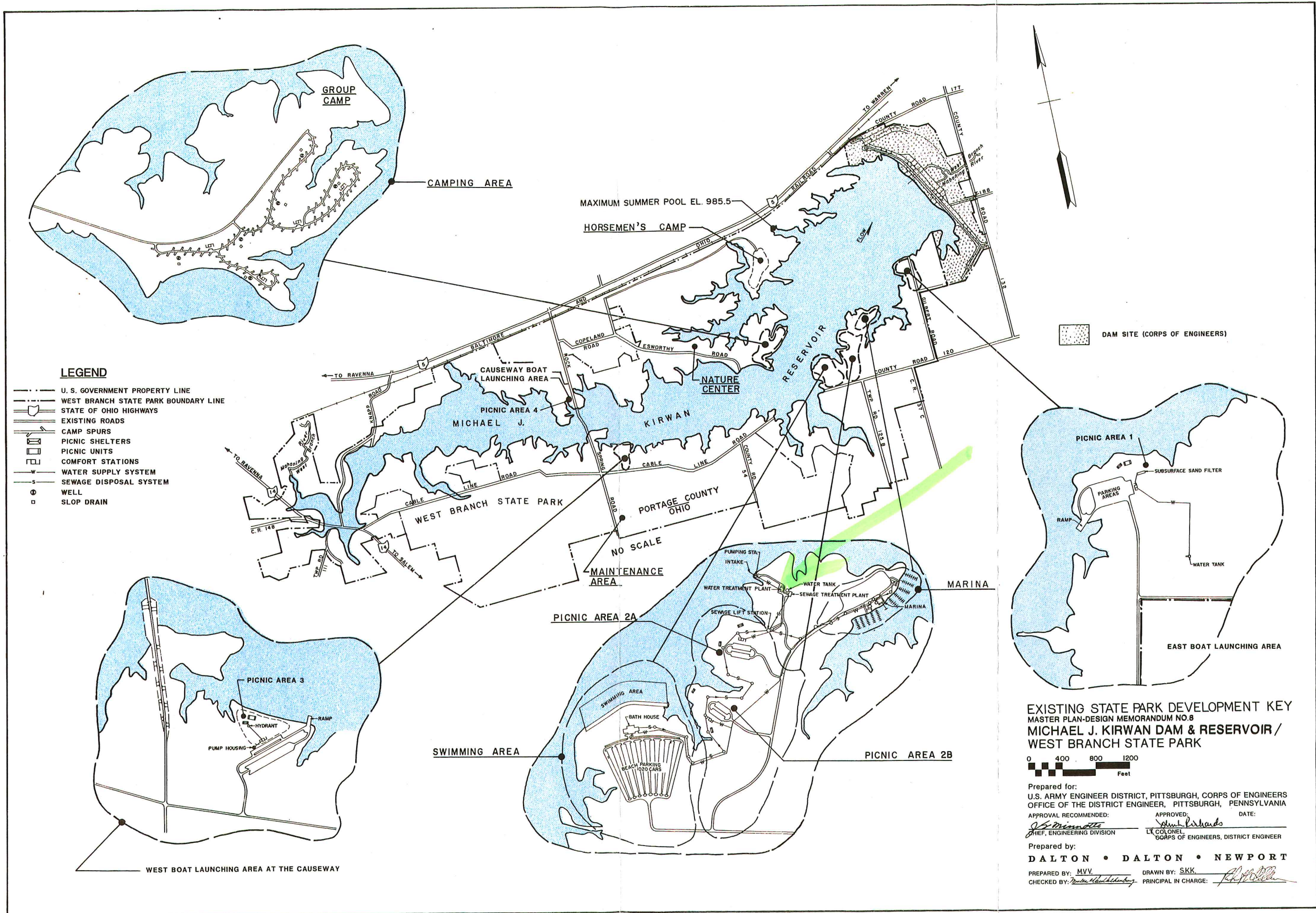


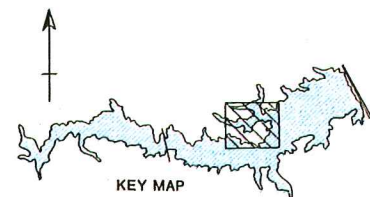
Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA

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CORPS OF ENGINEERS, DISTRICT ENGINEER

Prepared by:
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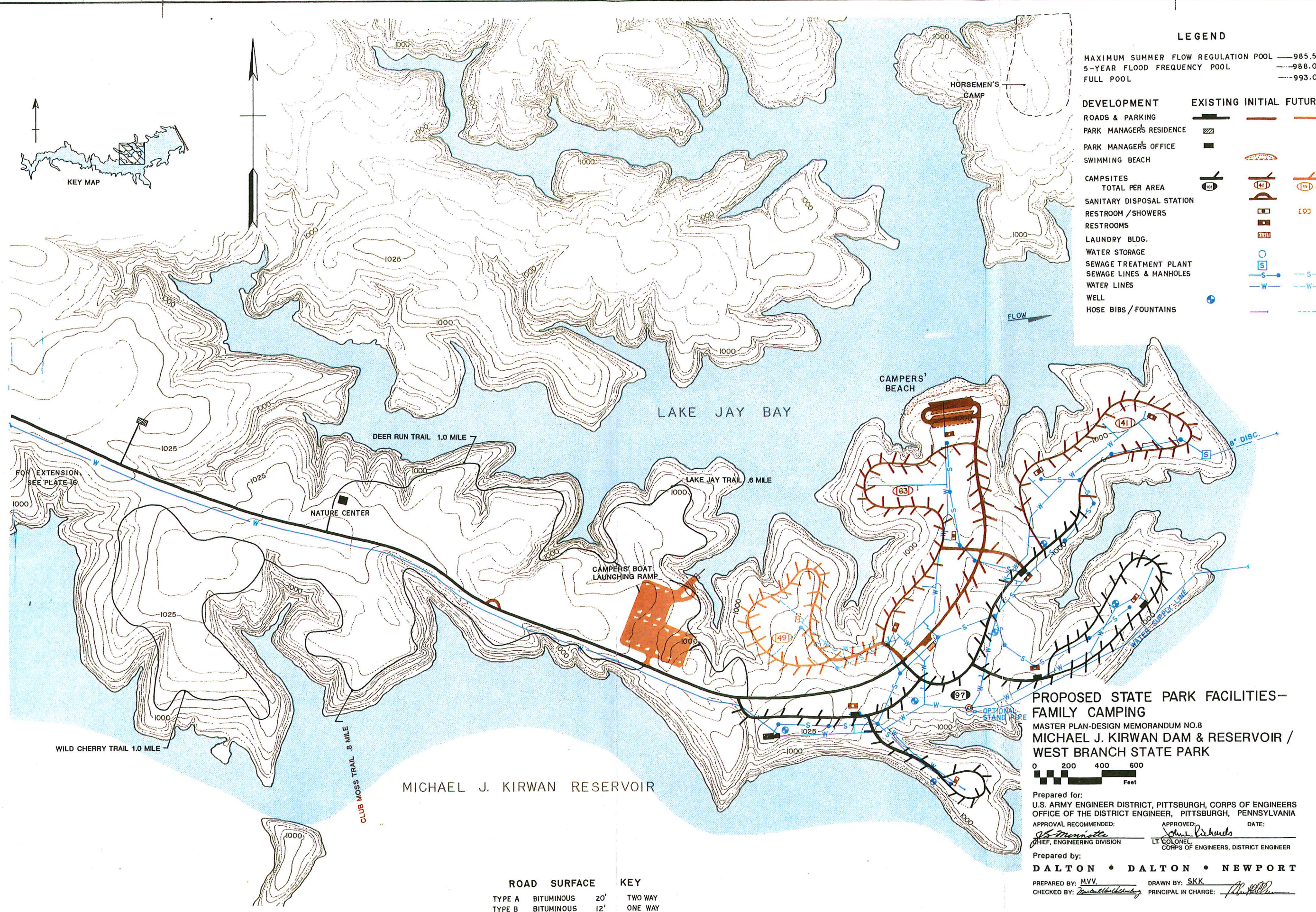




LEGEND

MAXIMUM SUMMER FLOW REGULATION POOL — 985.5
 5-YEAR FLOOD FREQUENCY POOL — 988.0
 FULL POOL — 993.0

DEVELOPMENT	EXISTING	INITIAL	FUTURE
ROADS & PARKING	—	—	—
PARK MANAGER'S RESIDENCE	■	■	■
PARK MANAGER'S OFFICE	■	■	■
SWIMMING BEACH	—	—	—
CAMPSITES	—	—	—
TOTAL PER AREA	—	—	—
SANITARY DISPOSAL STATION	—	—	—
RESTROOM / SHOWERS	—	—	—
RESTROOMS	—	—	—
LAUNDRY BLDG.	—	—	—
WATER STORAGE	—	—	—
SEWAGE TREATMENT PLANT	—	—	—
SEWAGE LINES & MANHOLES	—	—	—
WATER LINES	—	—	—
WELL	—	—	—
HOSE BIBS / FOUNTAINS	—	—	—



PROPOSED STATE PARK FACILITIES— FAMILY CAMPING

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 MICHAEL J. KIRWAN DAM & RESERVOIR /
 WEST BRANCH STATE PARK

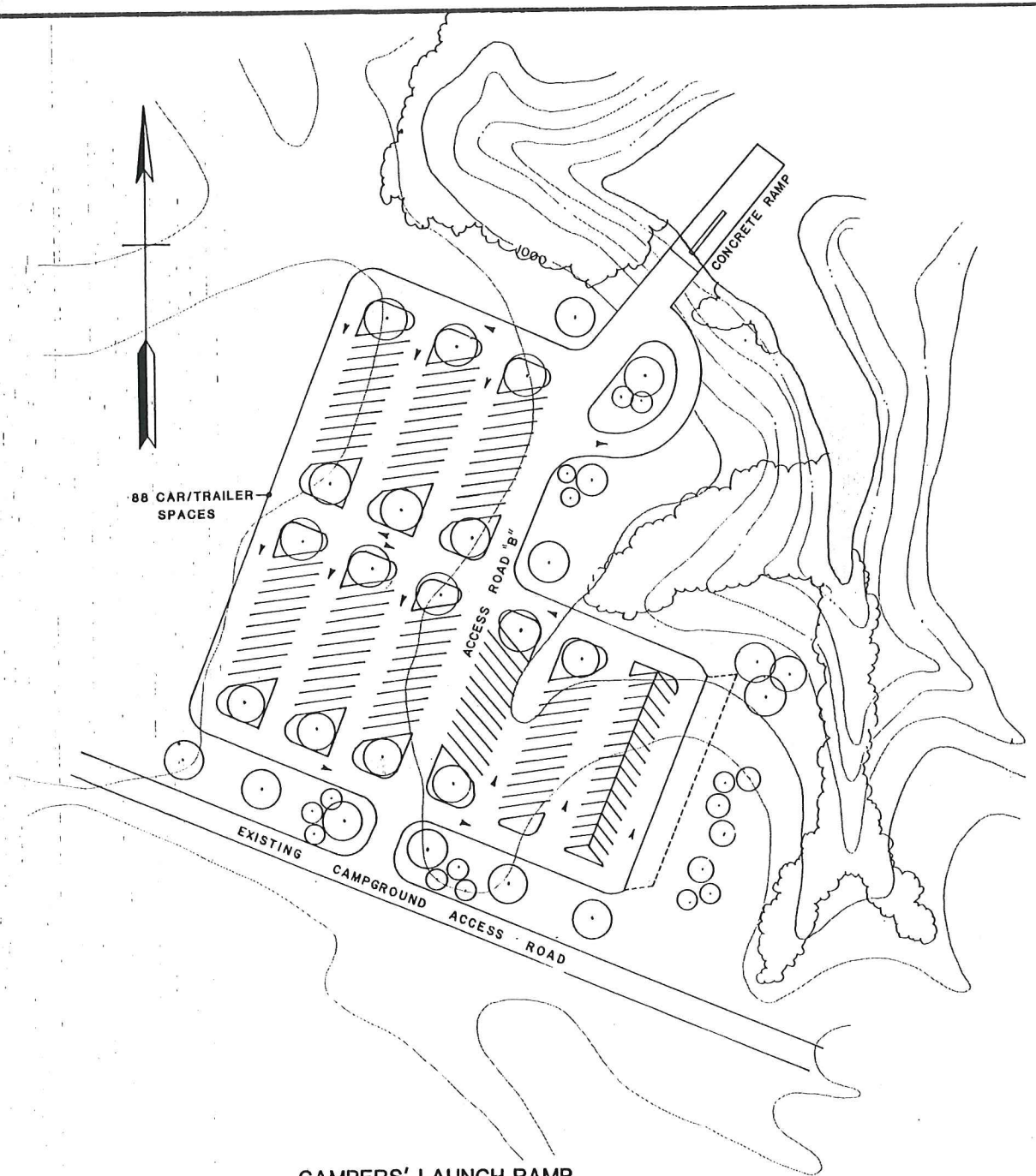
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Prepared for:
 U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
 OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA
 APPROVAL RECOMMENDED: *[Signature]* DATE: *[Blank]*
 CHIEF, ENGINEERING DIVISION LT. COLONEL
 CORPS OF ENGINEERS, DISTRICT ENGINEER

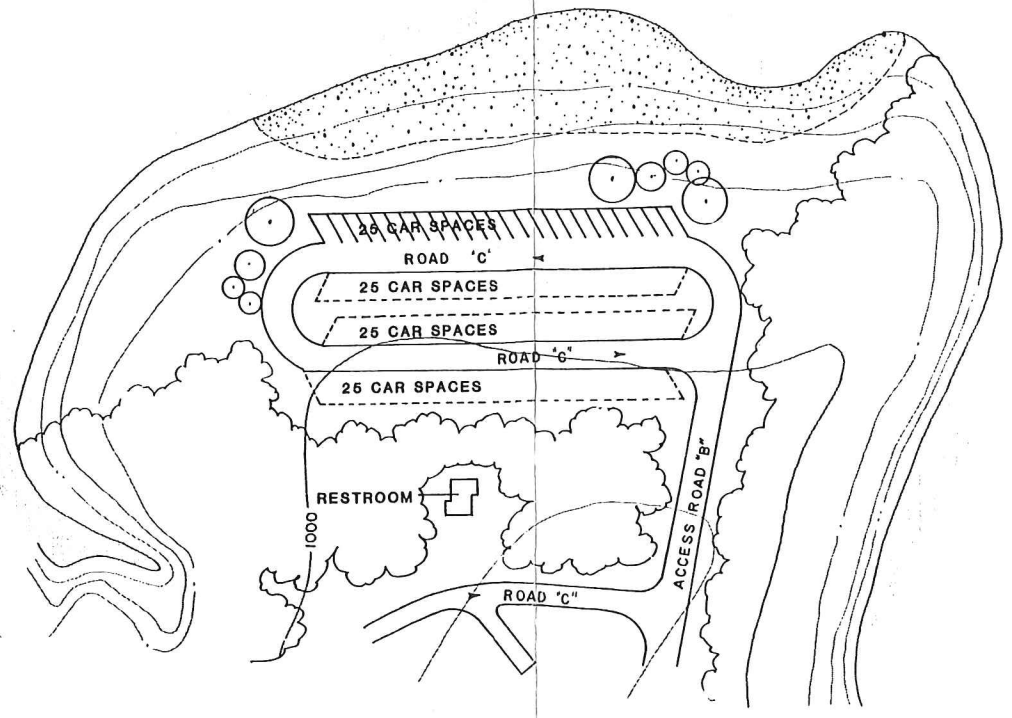
Prepared by:
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PREPARED BY: *[Signature]* DRAWN BY: *[Signature]*
 CHECKED BY: *[Signature]* PRINCIPAL IN CHARGE: *[Signature]*

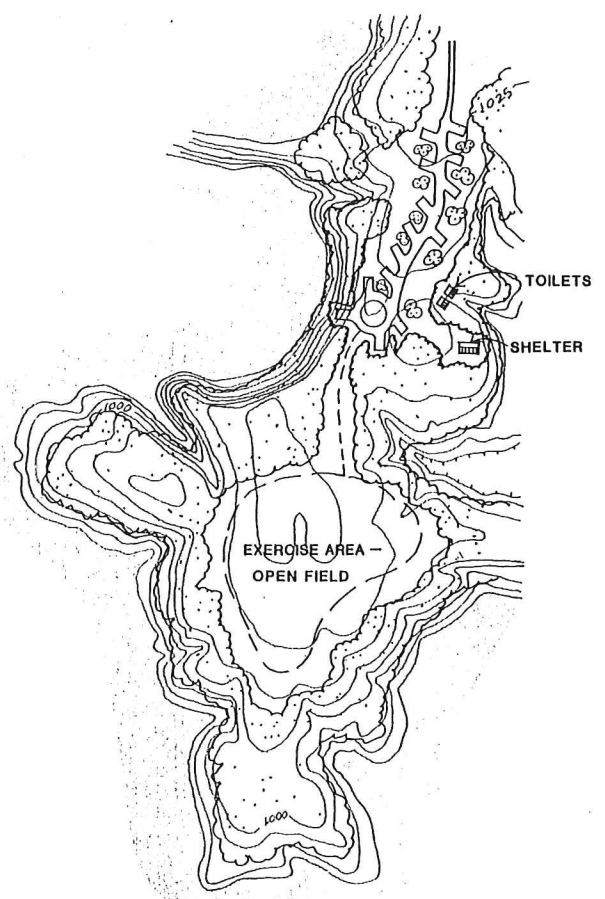
ROAD SURFACE	KEY
TYPE A BITUMINOUS	20' TWO WAY
TYPE B BITUMINOUS	12' ONE WAY



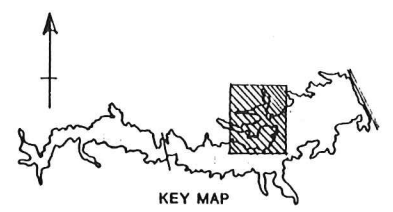
CAMPERS' LAUNCH RAMP
SCALE: 1"=50'



CAMPERS' BEACH
SCALE: 1"=50'



HORSEMEN'S CAMP
SCALE: 1"=200'



PROPOSED STATE PARK FACILITIES -
CAMPER'S LAUNCH RAMP & BEACH
MASTER PLAN-DESIGN MEMORANDUM NO.8
MICHAEL J. KIRWAN DAM & RESERVOIR /
WEST BRANCH STATE PARK

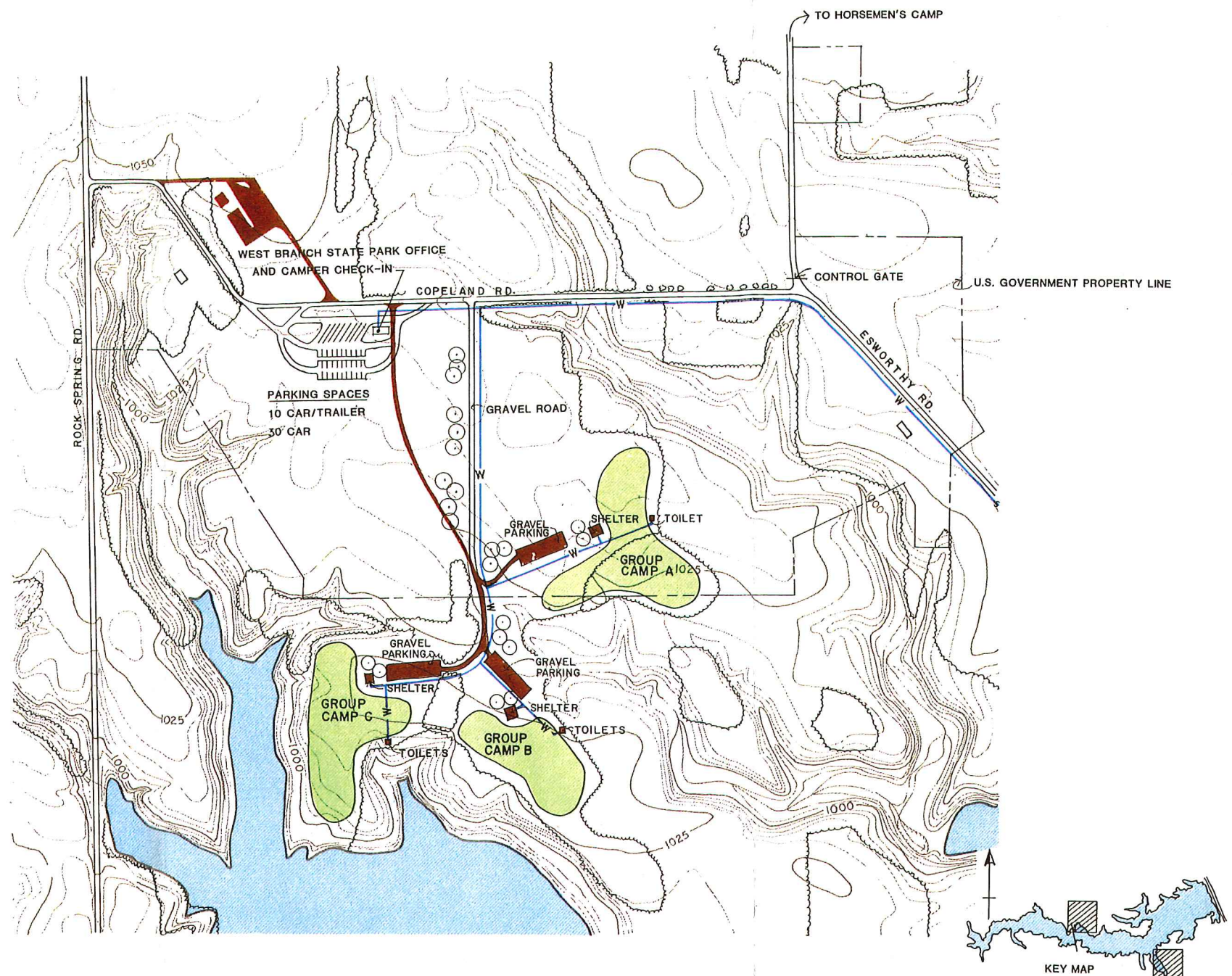
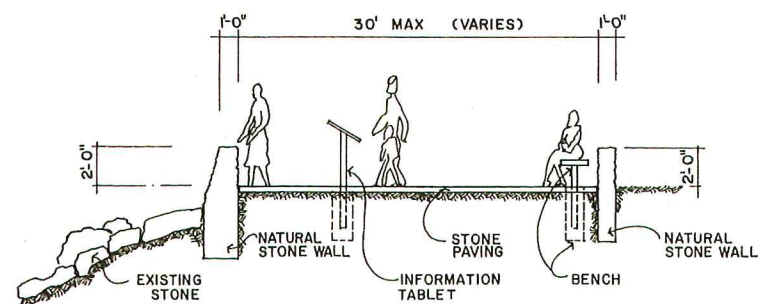
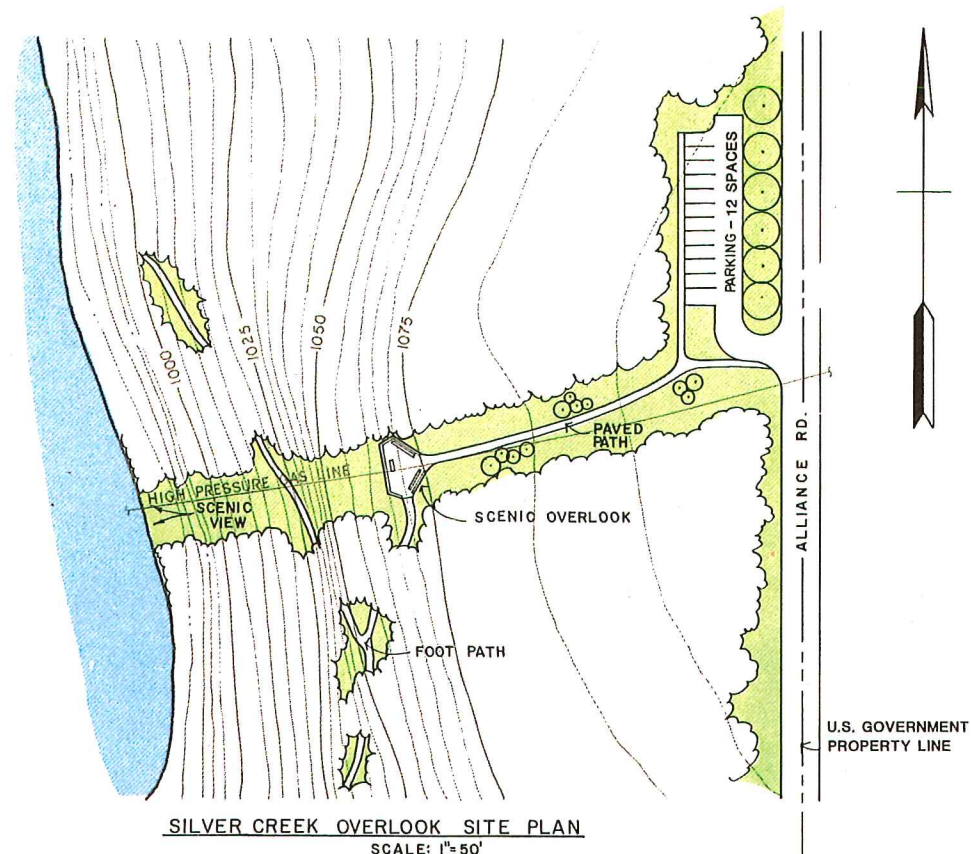
SCALE AS NOTED

Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA

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CHIEF, ENGINEERING DIVISION LT. COLONEL
CORPS OF ENGINEERS, DISTRICT ENGINEER

Prepared by:
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PREPARED BY: *[Signature]* DRAWN BY: *[Signature]*
CHECKED BY: *[Signature]* PRINCIPAL IN CHARGE: *[Signature]*



**PROPOSED STATE PARK FACILITIES -
SILVER CREEK OVERLOOK, PARK OFFICE
& CAMPER CONTROL**

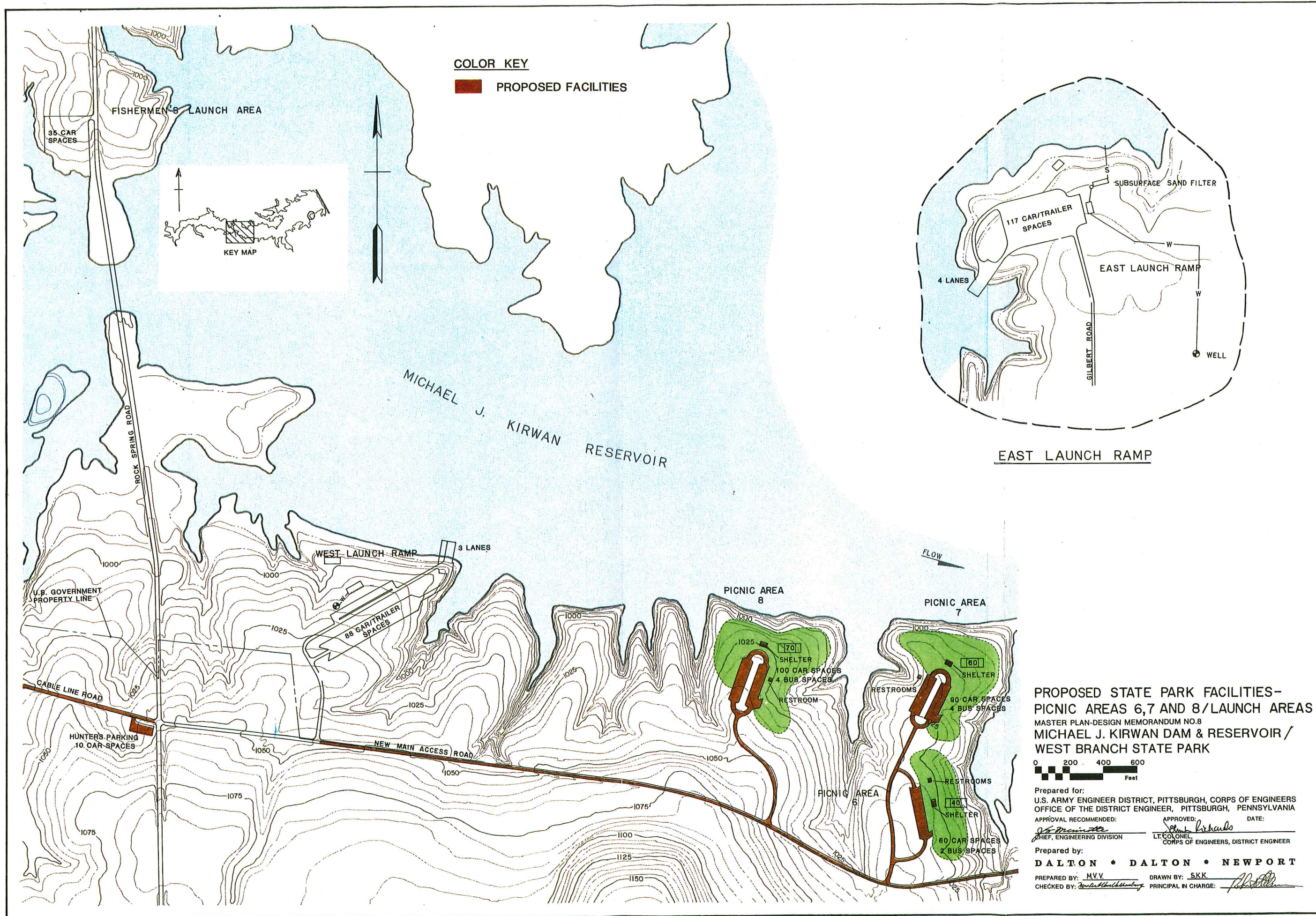
MASTER PLAN-DESIGN MEMORANDUM NO.8
MICHAEL J. KIRWAN DAM & RESERVOIR /
WEST BRANCH STATE PARK

NO SCALE OR AS NOTED

Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA
APPROVAL RECOMMENDED: *[Signature]* DATE: *[Signature]*
CHIEF, ENGINEERING DIVISION LT. COLONEL
CORPS OF ENGINEERS, DISTRICT ENGINEER

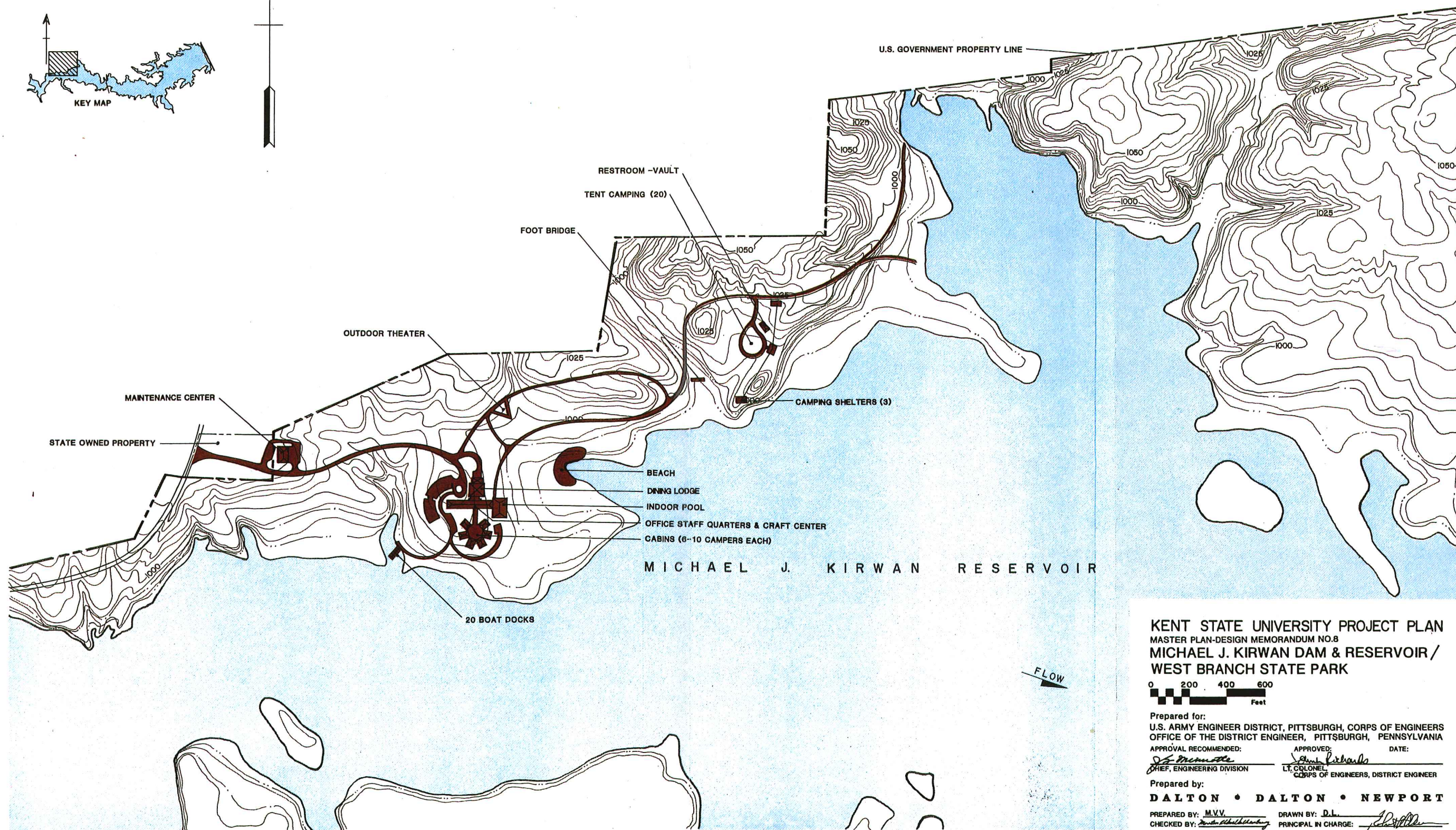
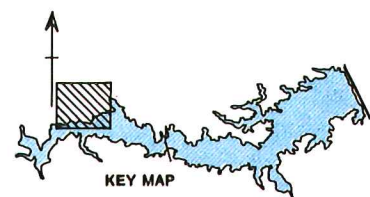
Prepared by:
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CHECKED BY: *[Signature]* PRINCIPAL IN CHARGE: *[Signature]*



COLOR KEY

■ PROPOSED FACILITIES



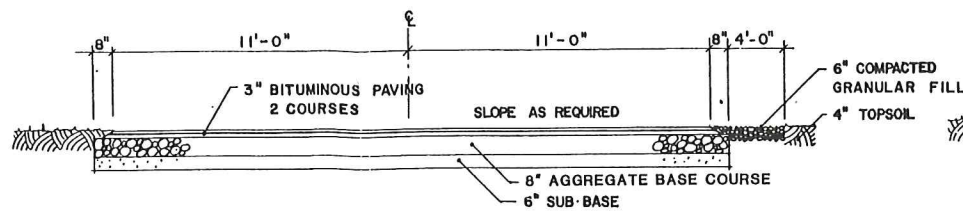
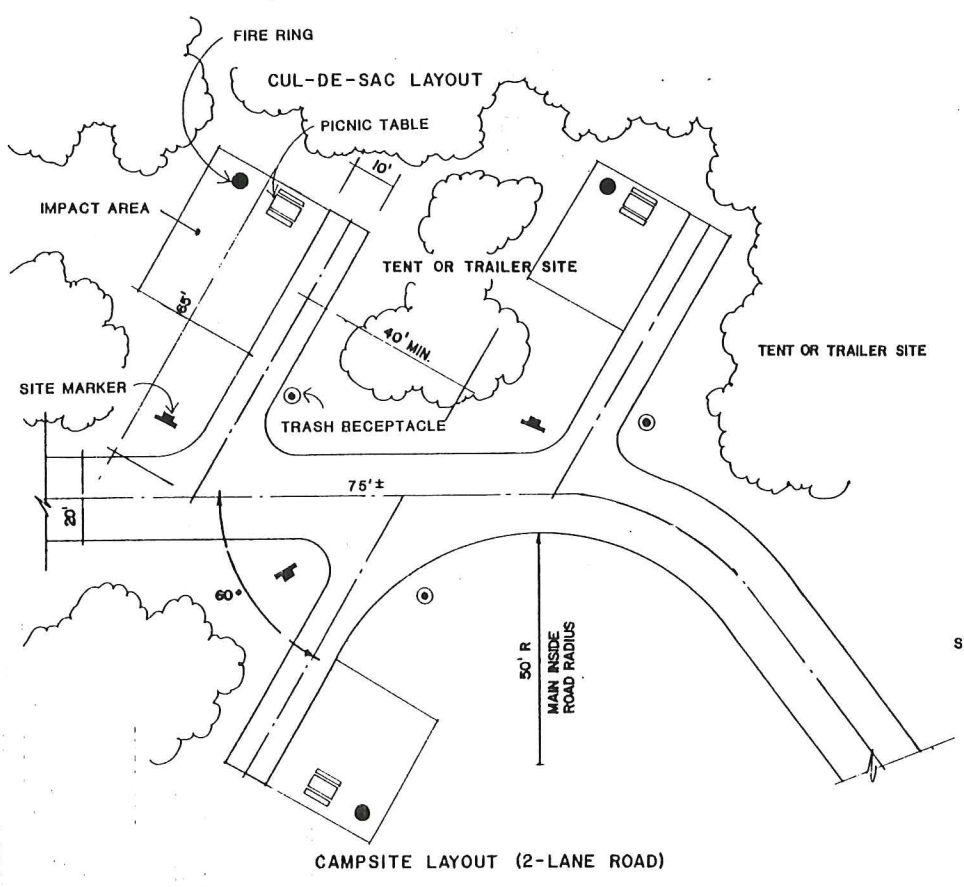
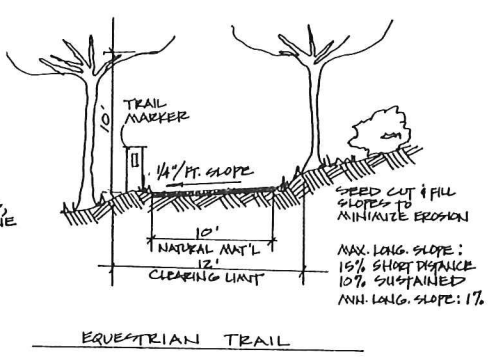
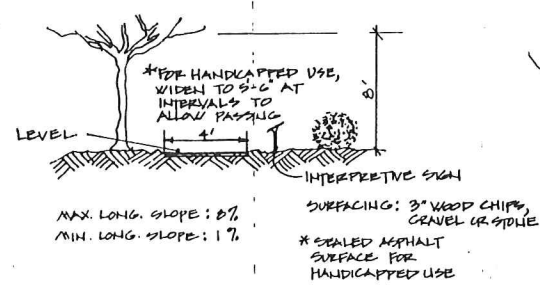
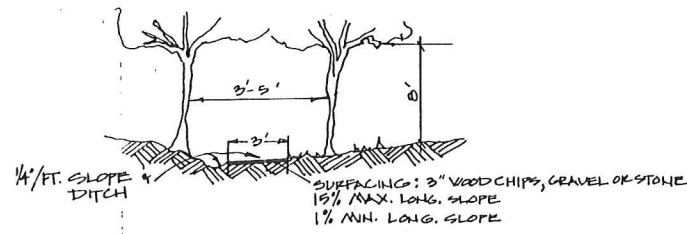
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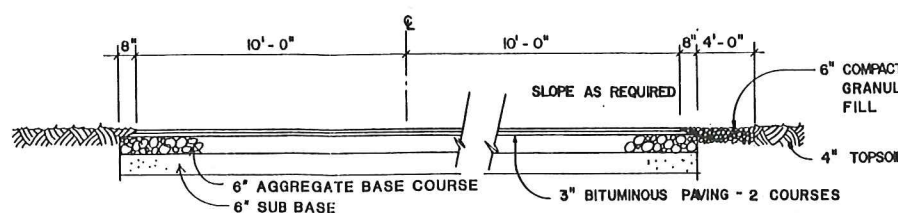
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U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA
APPROVAL RECOMMENDED: *[Signature]* DATE: *[Signature]*
CHIEF, ENGINEERING DIVISION LT. COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER

Prepared by:
DALTON • DALTON • NEWPORT

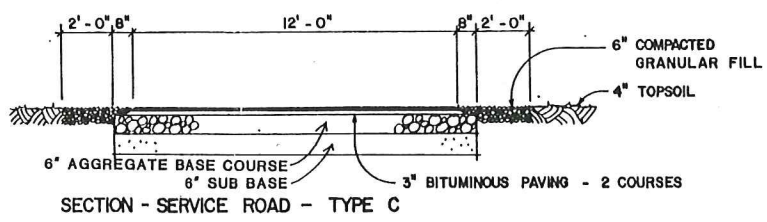
PREPARED BY: M.V.V. DRAWN BY: D.L.
CHECKED BY: *[Signature]* PRINCIPAL IN CHARGE: *[Signature]*



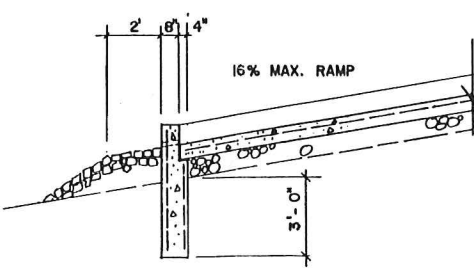
SECTION - MAIN PARK ACCESS ROAD - TYPE A



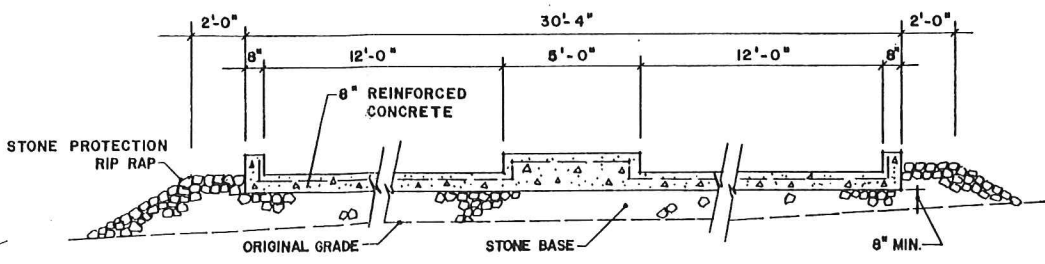
SECTION - CAMPGROUND / ACCESS ROAD - TYPE B



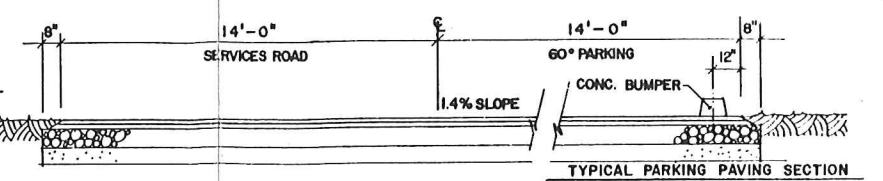
SECTION - SERVICE ROAD - TYPE C



BOAT LAUNCH RAMP END SECTION

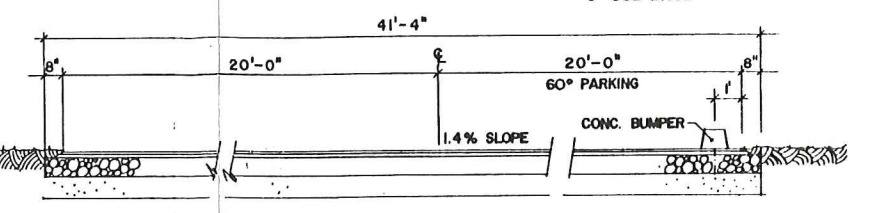


STONE PROTECTION RIP RAP

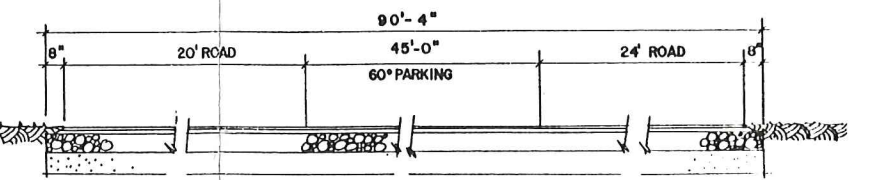


TYPICAL PARKING PAVING SECTION

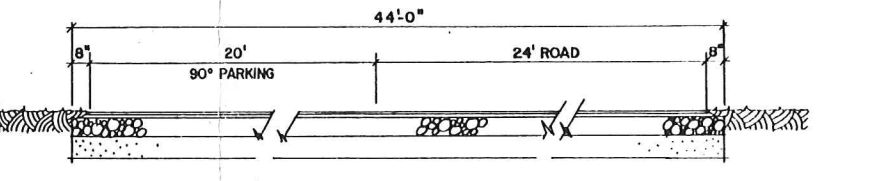
BEACH / CAMPING AREA PARKING - TYPE 1



60° PARKING W/ 20' ROAD - TYPE 2



TRAILER PARKING - TYPE 3



90° PARKING W/ 24' ROADWAY - TYPE 4

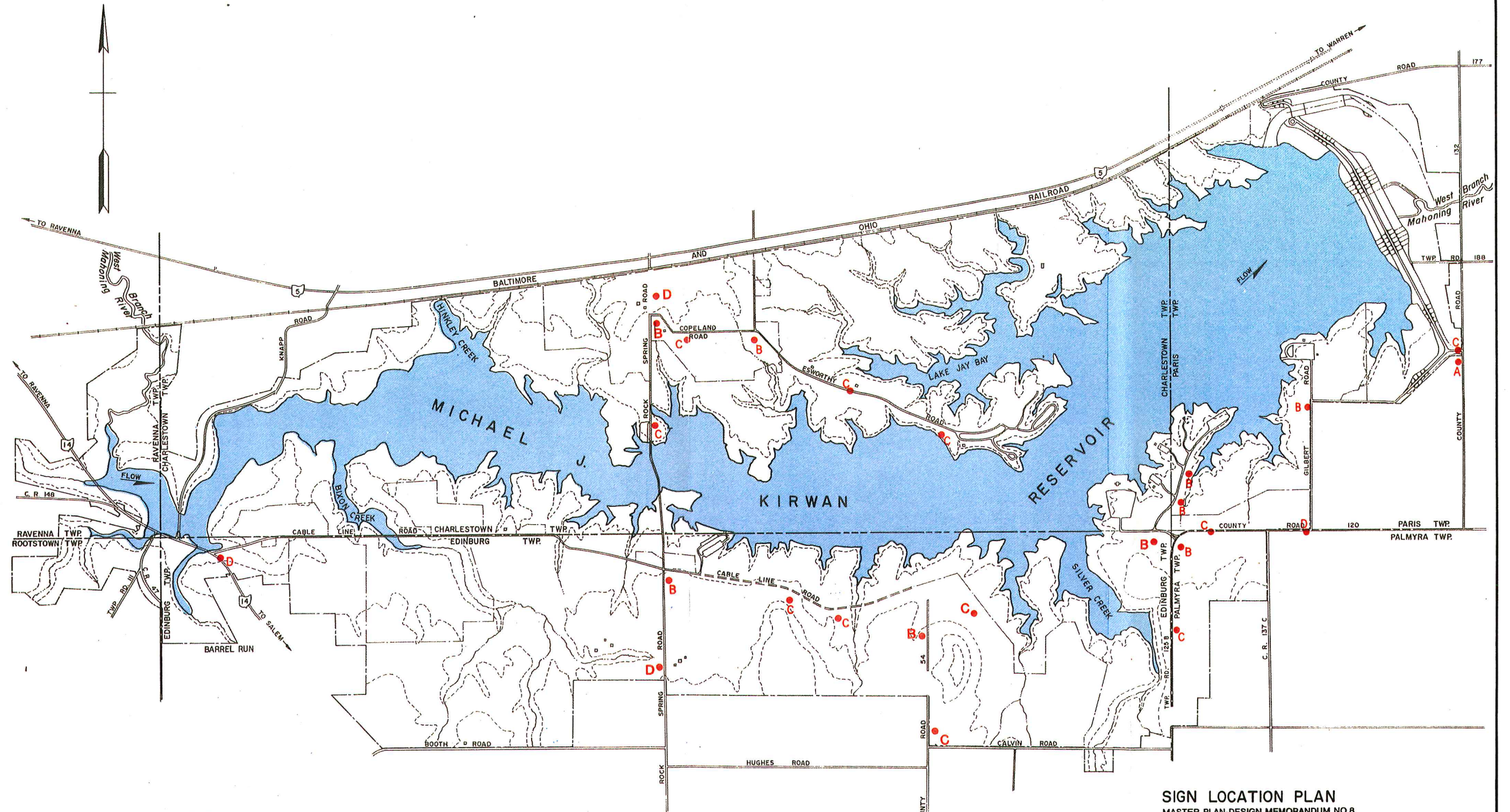
ROAD SECTIONS

MASTER PLAN-DESIGN MEMORANDUM NO.8
MICHAEL J. KIRWAN DAM & RESERVOIR /
WEST BRANCH STATE PARK

NO SCALE OR AS NOTED

Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA
APPROVAL RECOMMENDED: *[Signature]* DATE: *[Date]*
LIEUTENANT COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER

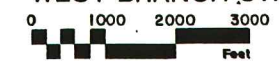
Prepared by:
DALTON • DALTON • NEWPORT
PREPARED BY: A.M.D. DRAWN BY: W.S.W.
CHECKED BY: *[Signature]* PRINCIPAL IN CHARGE: *[Signature]*



LEGEND

- A U.S. ARMY CORPS OF ENGINEERS SIGN
- B PARK ENTRANCE SIGN
- C PARK DIRECTIONAL SIGN
- D FREE STANDING BUILDING SIGN
- WALL MOUNTED BUILDING SIGNS (NOT SHOWN)

SIGN LOCATION PLAN MASTER PLAN-DESIGN MEMORANDUM NO.8 MICHAEL J. KIRWAN DAM & RESERVOIR/ WEST BRANCH STATE PARK

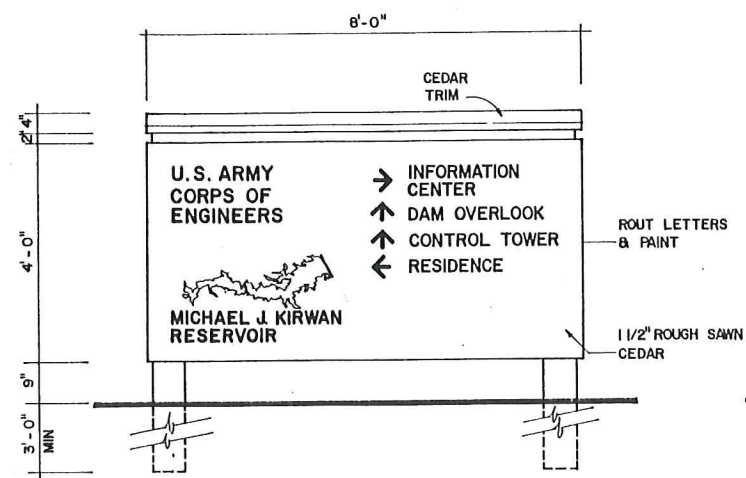


Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA

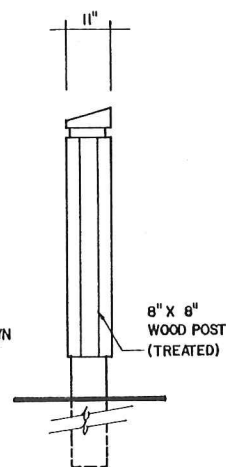
APPROVAL RECOMMENDED: *[Signature]* DATE: *[Signature]*
BRIEF, ENGINEERING DIVISION LT. COLONEL
CORPS OF ENGINEERS, DISTRICT ENGINEER

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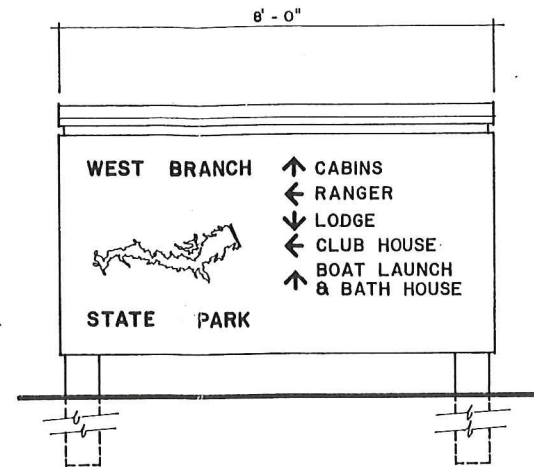
PREPARED BY: M.V.V. DRAWN BY: S.K.K.
CHECKED BY: *[Signature]* PRINCIPAL IN CHARGE: *[Signature]*



A U.S. ARMY CORPS OF ENGINEERS SIGN



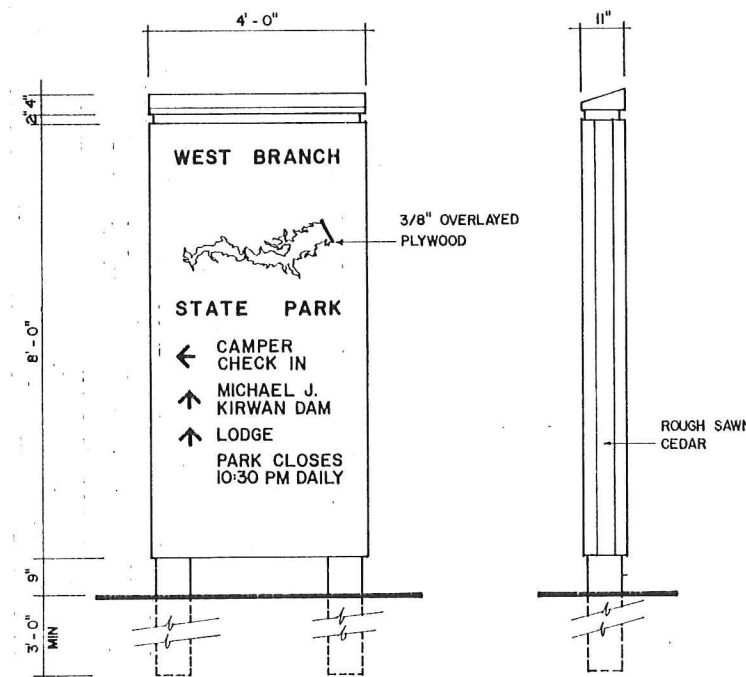
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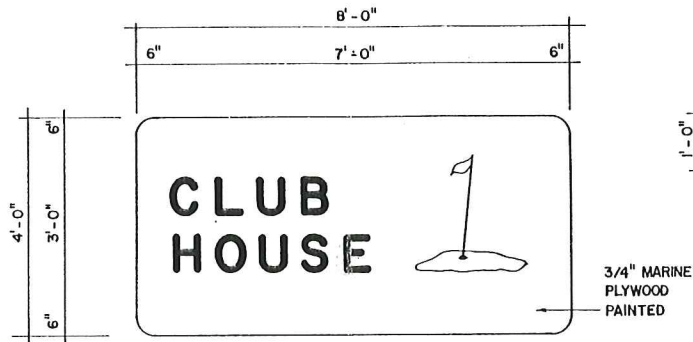
B STATE PARK SIGN



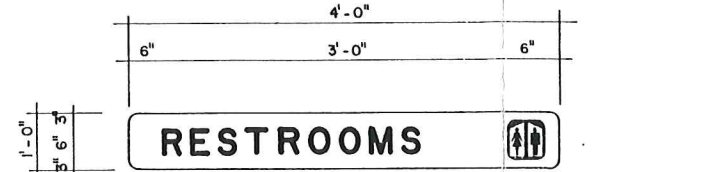
C BUILDING SIGN



D MAIN ENTRANCE SIGN



E BUILDING SIGN



F BUILDING SIGN

INTERNATIONAL SYMBOLS

SIGNAGE AND GRAPHICS

MASTER PLAN-DESIGN MEMORANDUM NO.8

MICHAEL J. KIRWAN DAM & RESERVOIR /
WEST BRANCH STATE PARK

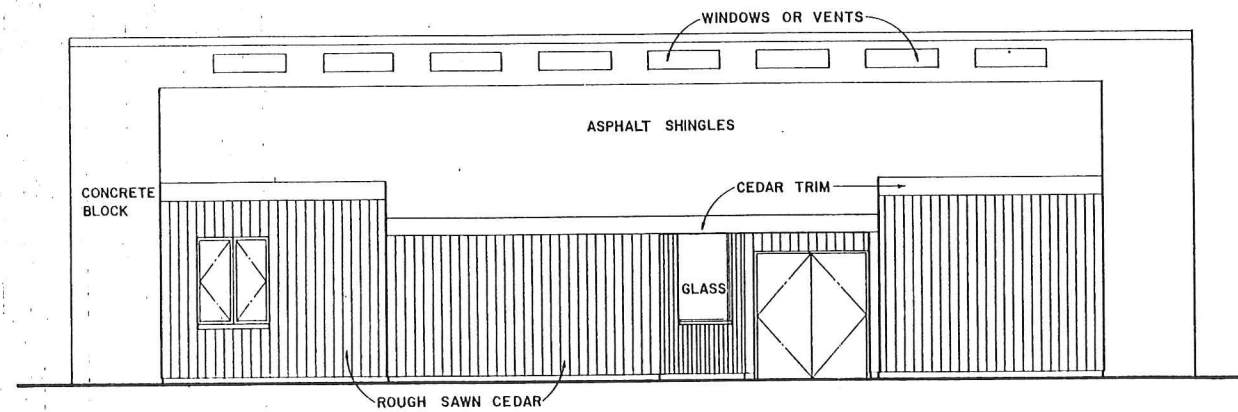
NO SCALE OR AS NOTED

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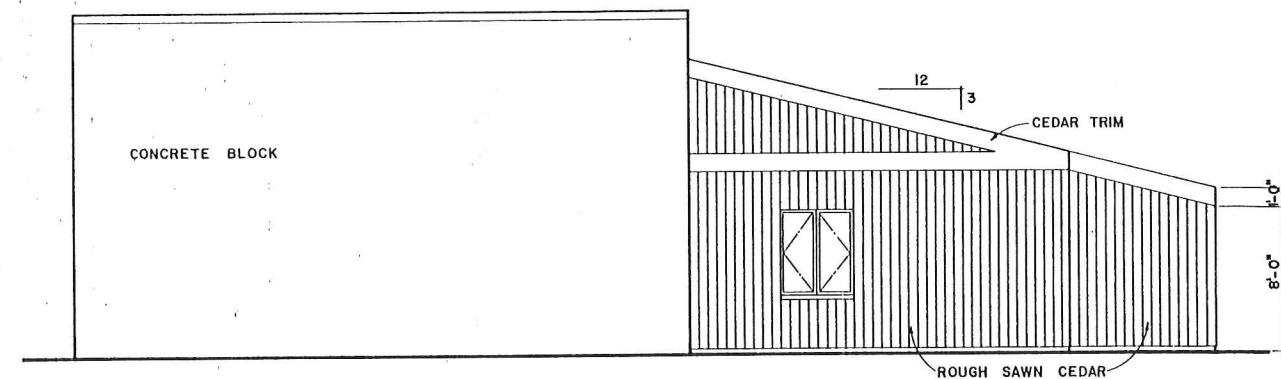
APPROVAL RECOMMENDED: *[Signature]* DATE: *[Signature]*
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CORPS OF ENGINEERS, DISTRICT ENGINEER

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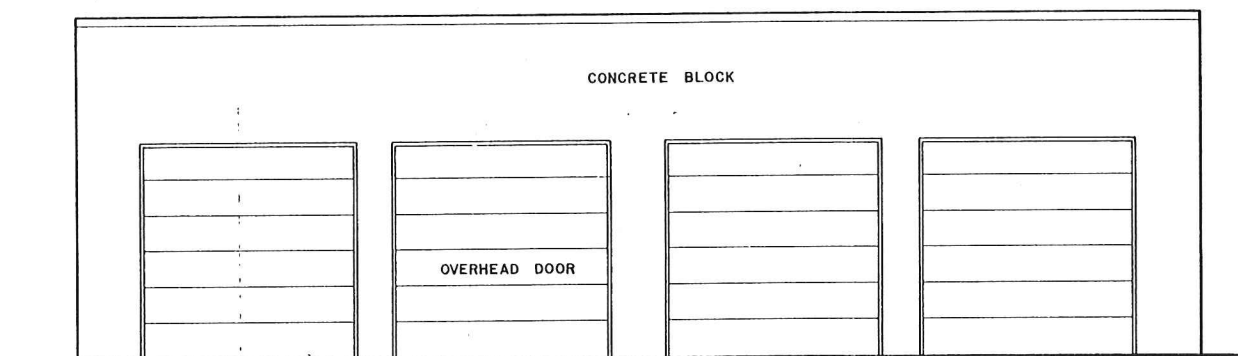
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CHECKED BY: *[Signature]* PRINCIPAL IN CHARGE



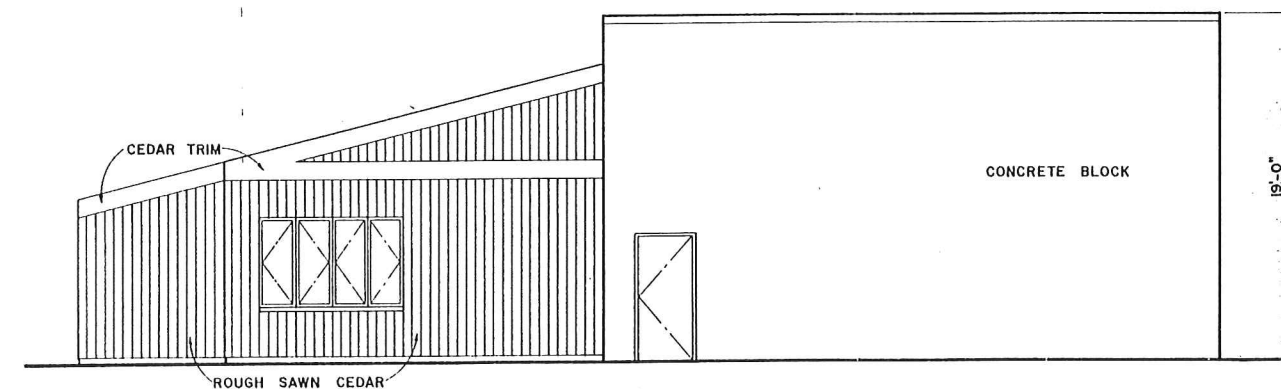
ELEVATION A



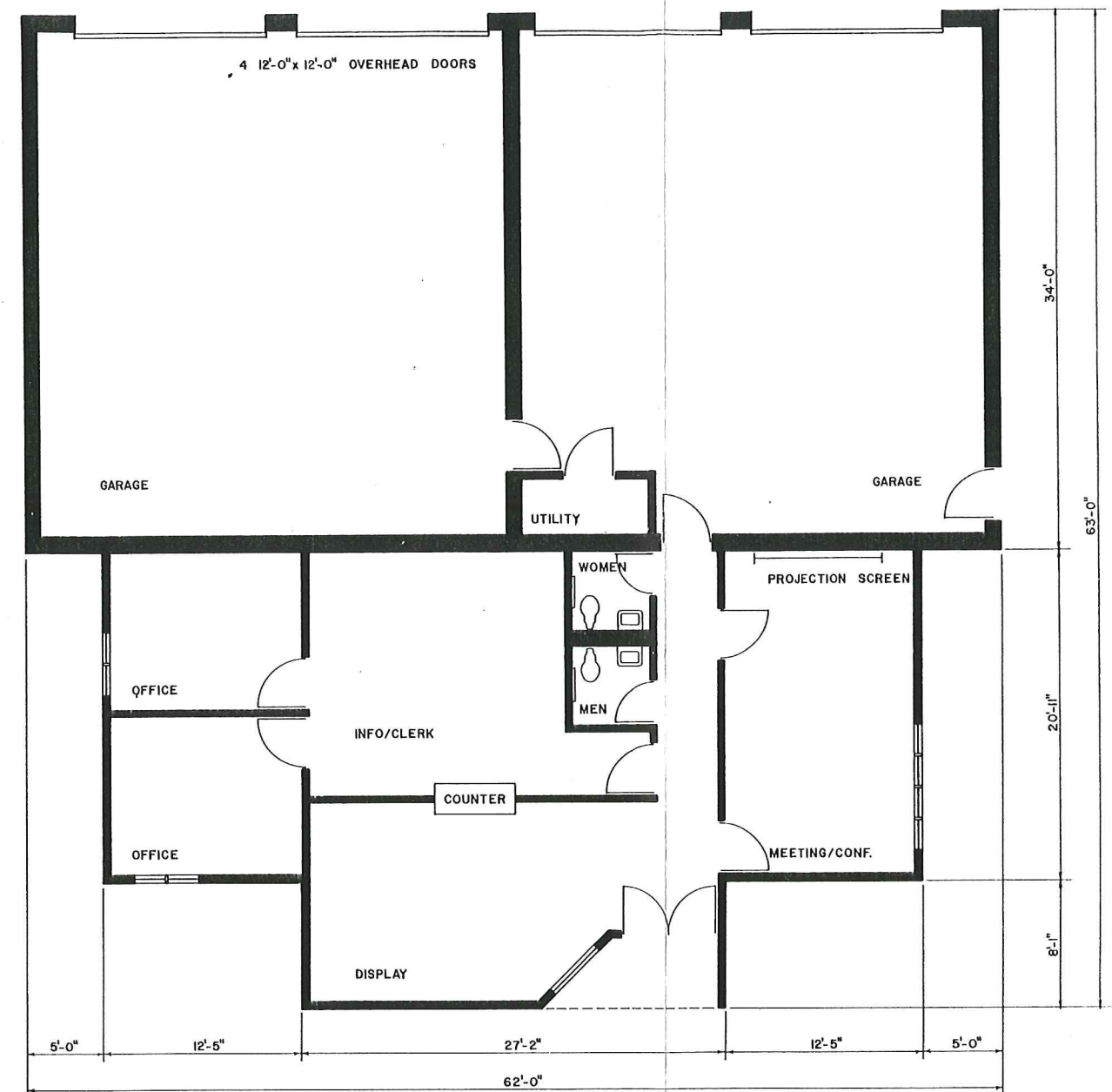
ELEVATION B



ELEVATION C



ELEVATION D



PLAN
RESERVOIR MANAGER'S OFFICE & VISITORS' CENTER

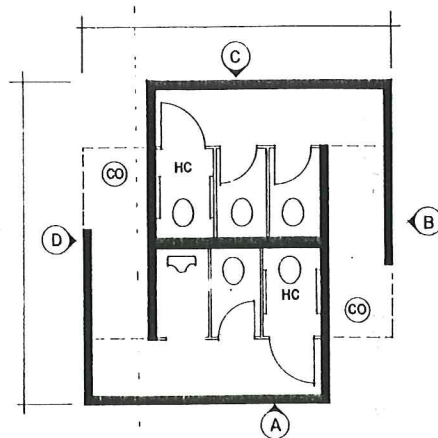
RESIDENT MANAGER'S OFFICE
AND VISITOR CENTER
MASTER PLAN-DESIGN MEMORANDUM NO.8
MICHAEL J. KIRWAN DAM & RESERVOIR /
WEST BRANCH STATE PARK



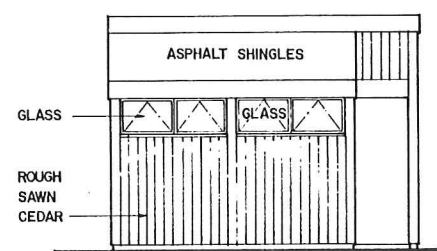
Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA
APPROVAL RECOMMENDED: *[Signature]* DATE: *[Signature]*
CHIEF, ENGINEERING DIVISION LT. COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER

Prepared by:
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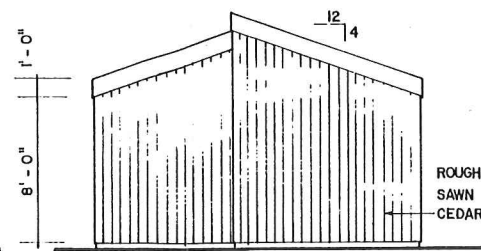
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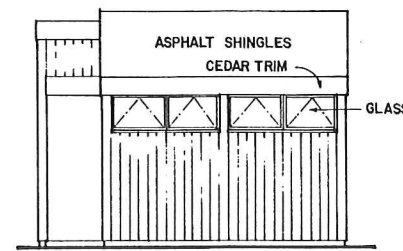
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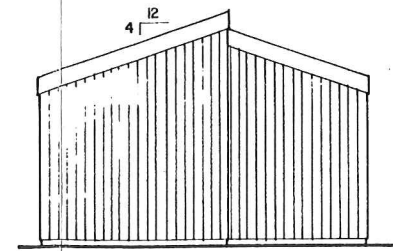
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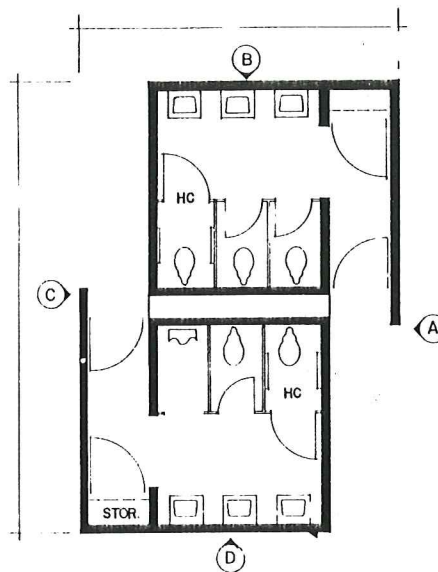
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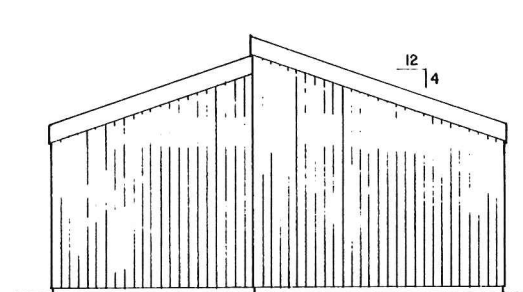
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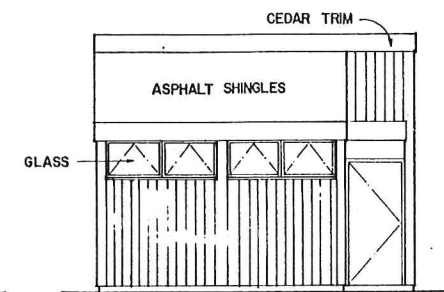
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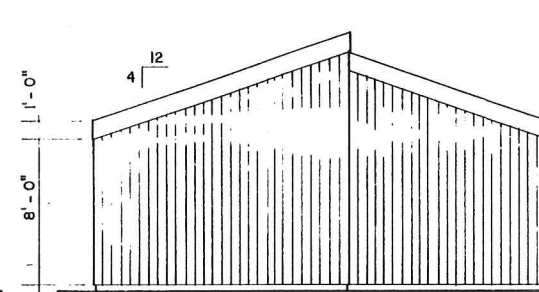
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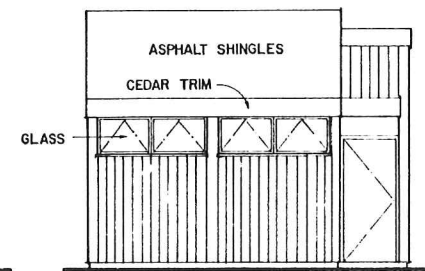
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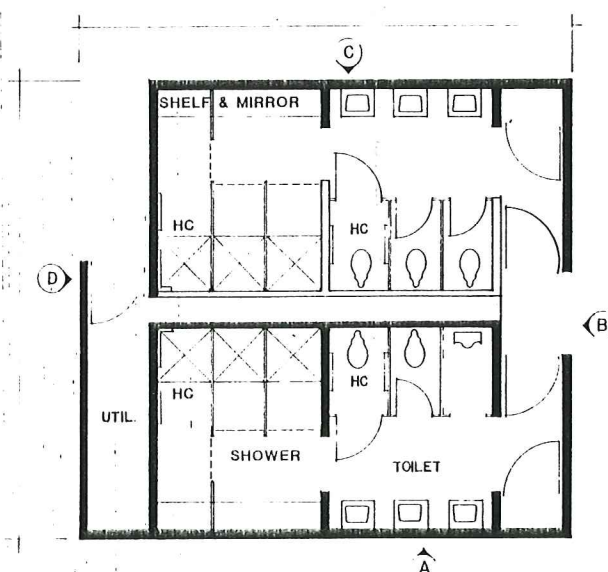
ELEVATION B



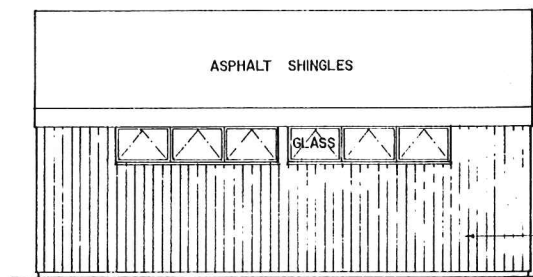
ELEVATION C



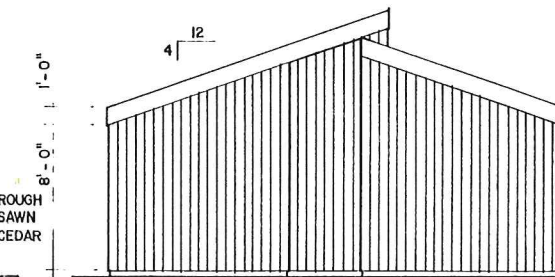
ELEVATION D



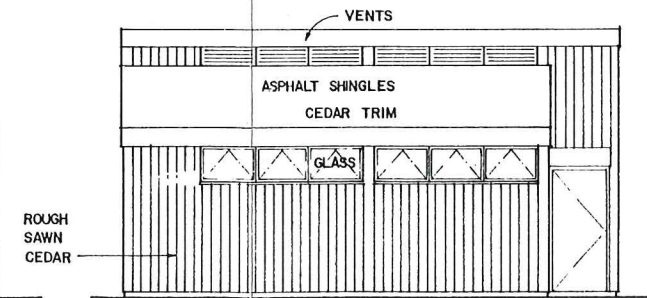
TOILETS WITH SHOWERS



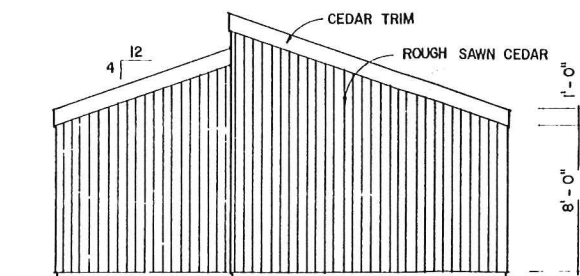
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

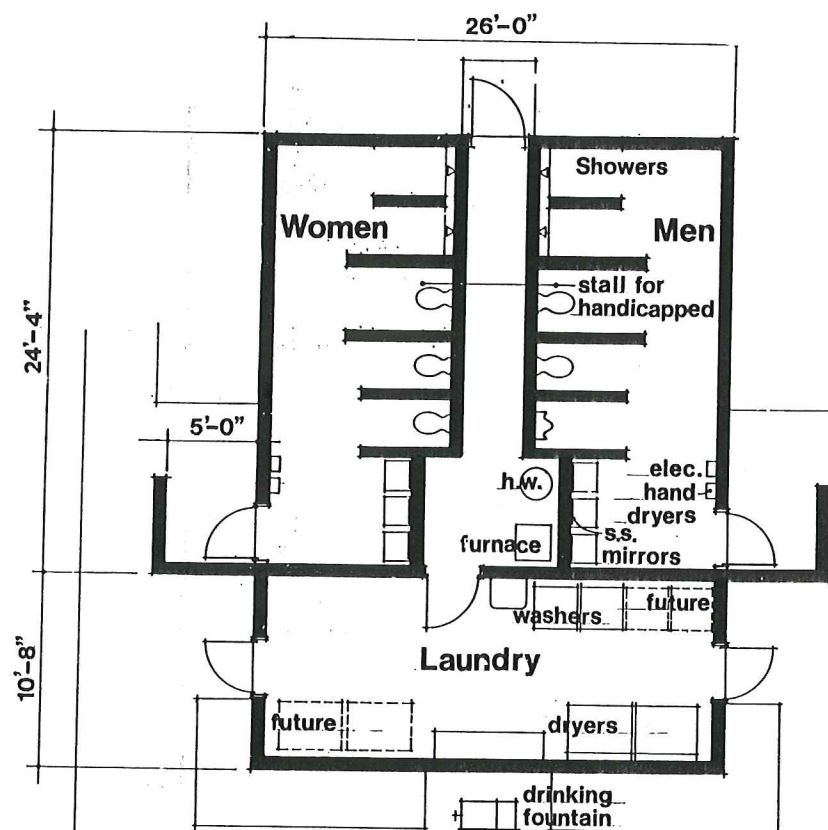
STATE PARK RESTROOMS
MASTER PLAN-DESIGN MEMORANDUM NO.8
MICHAEL J. KIRWAN DAM & RESERVOIR /
WEST BRANCH STATE PARK



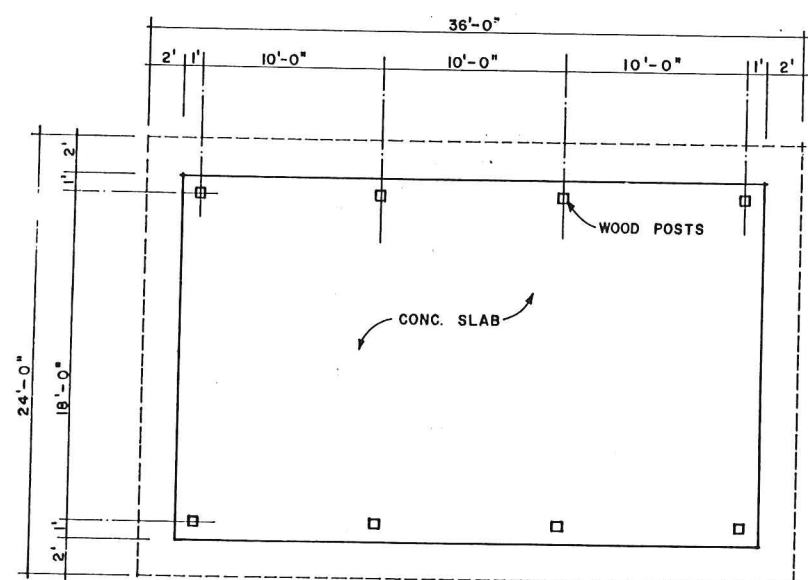
Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA
APPROVAL RECOMMENDED: *J.S. Minner*
CHIEF, ENGINEERING DIVISION
APPROVED: *Wm. Richards*
DATE: _____
COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER

Prepared by:
DALTON • DALTON • NEWPORT

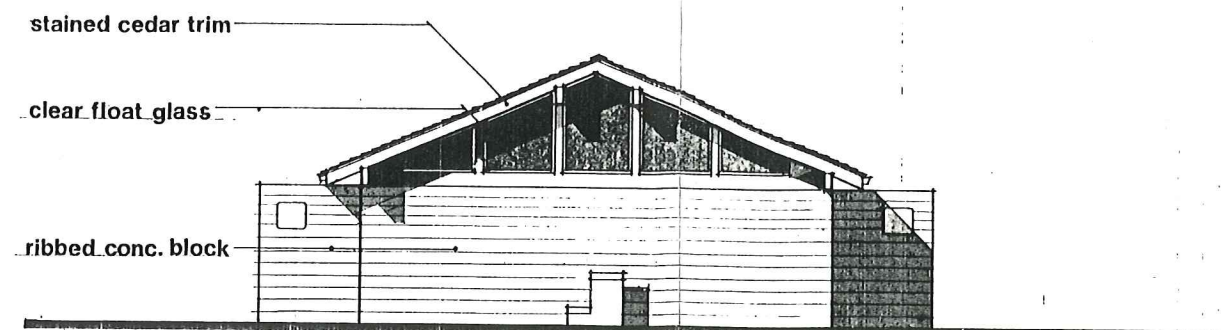
PREPARED BY: A.M.D. DRAWN BY: A.M.D.
CHECKED BY: *Arthur K. Kunkel* PRINCIPAL IN CHARGE: *J. S. Minner*



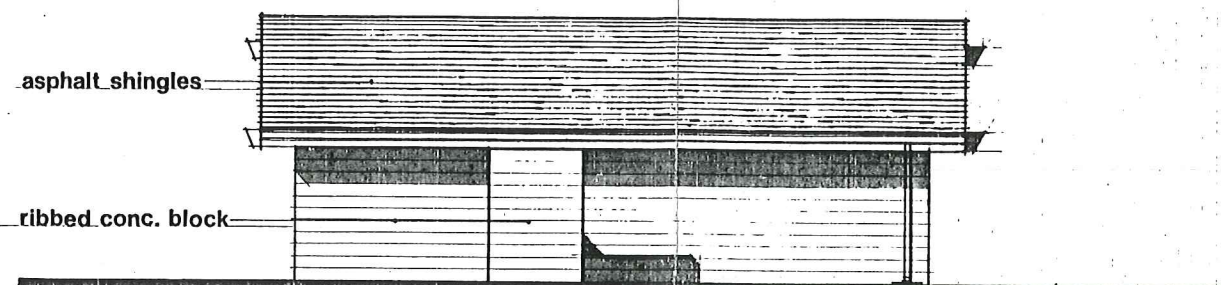
FLOOR PLAN
LAUNDRY/TOILET/ BUILDING



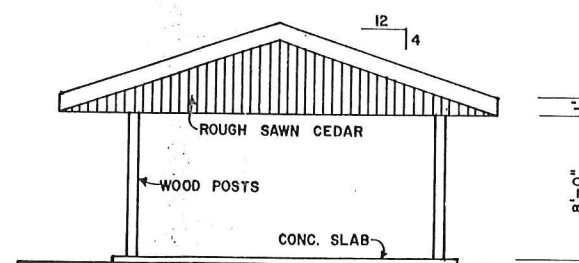
PLAN
PICNIC SHELTER



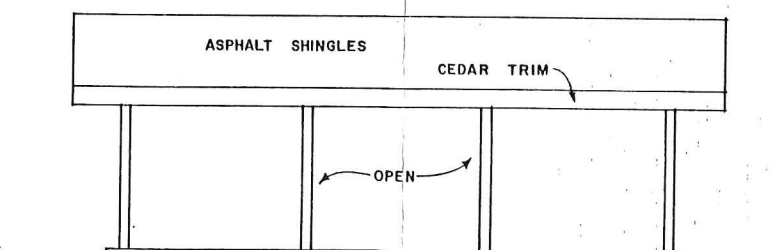
FRONT ELEVATION



SIDE ELEVATION



END ELEVATION



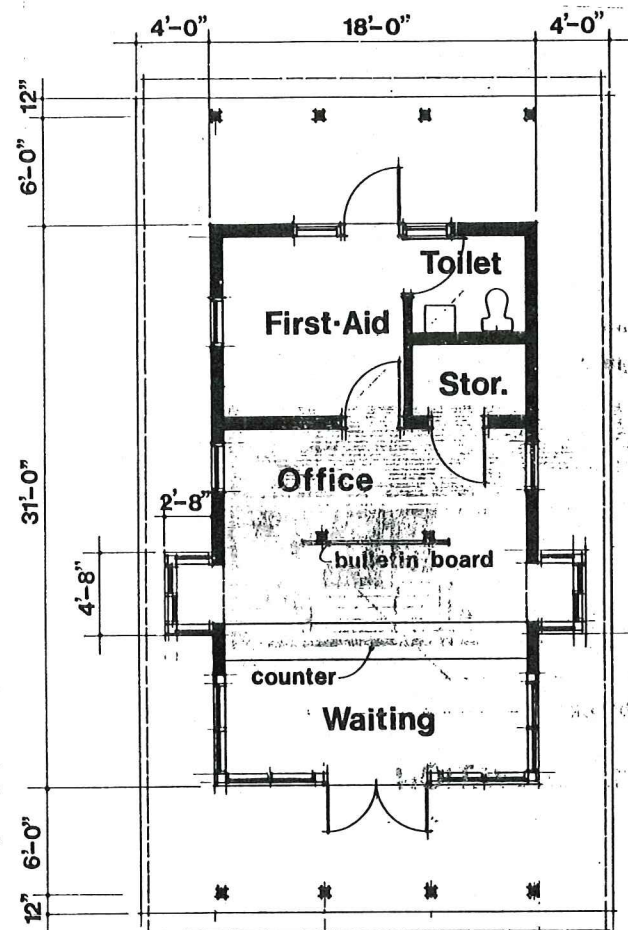
SIDE ELEVATION

LAUNDRY/TOILET BUILDING,
PICNIC SHELTER
MASTER PLAN-DESIGN MEMORANDUM NO.8
MICHAEL J. KIRWAN DAM & RESERVOIR /

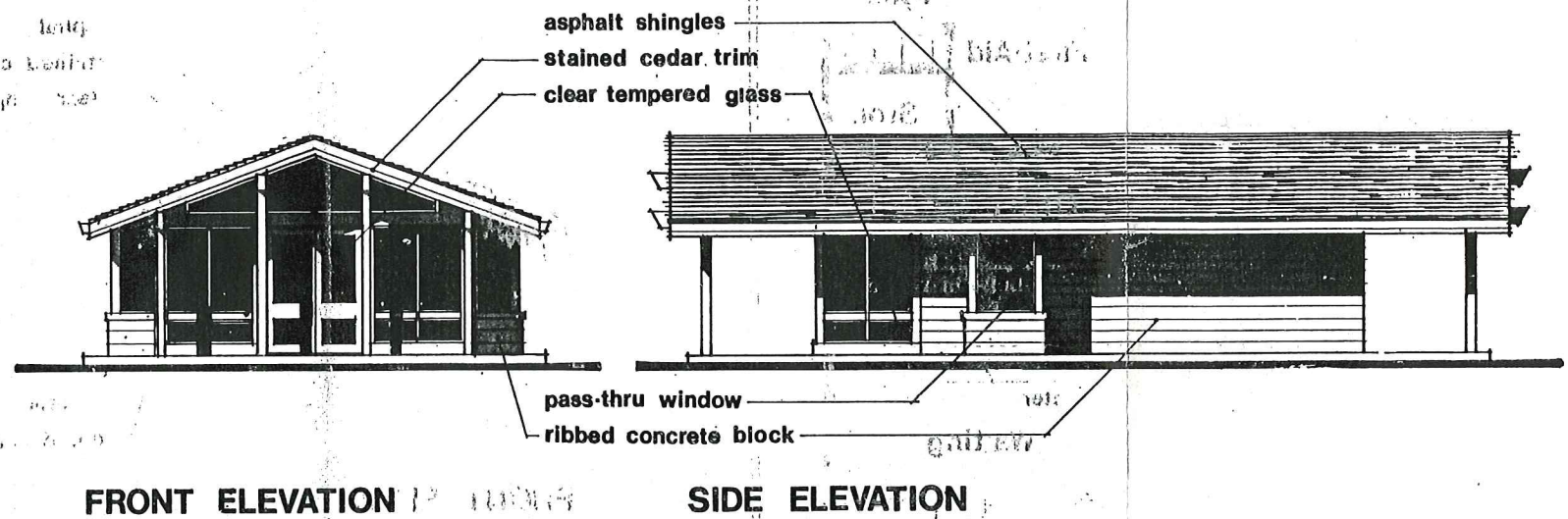


Prepared for:
U.S. ARMY ENGINEER DISTRICT, PITTSBURGH, CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER, PITTSBURGH, PENNSYLVANIA
APPROVAL RECOMMENDED: *[Signature]* DATE: *[Signature]*
CHIEF, ENGINEERING DIVISION LT. COLONEL
CORPS OF ENGINEERS, DISTRICT ENGINEER

Prepared by:
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PREPARED BY: *A.M.D.* DRAWN BY: *A.M.D.*
CHECKED BY: *[Signature]* PRINCIPAL IN CHARGE: *[Signature]*



FLOOR PLAN



FRONT ELEVATION

SIDE ELEVATION

CAMPER CHECK-IN BUILDING
 MASTER PLAN-DESIGN MEMORANDUM NO.8
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APPROVAL RECOMMENDED: *J. E. Monahan* DATE: *10/1/67*
 CHIEF, ENGINEERING DIVISION LT. COLONEL *Richards*
 CORPS OF ENGINEERS, DISTRICT ENGINEER

Prepared by:
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PREPARED BY: *A.M.D.* DRAWN BY: *A.M.D.*
 CHECKED BY: *W. H. H. H. H.* PRINCIPAL IN CHARGE: *R. H. H. H.*