

Department of Natural Resources and Parks
Wastewater Treatment Division

King Street Center, KSC-NR-0505 201 South Jackson Street Seattle, WA 98104-3855

November 22, 2021

sent via email: lauren.anderson@mercerisland.gov

OAP Ref No. 1857

Lauren Anderson City of Mercer Island, Community Planning & Development 9611 SE 36th St Mercer Island, WA 98040

Dear Lauren Anderson:

The King County Wastewater Treatment Division (WTD) has received Notice of Application (NOA) for the Greg Arms / Milestone WCMILLC project (SUB21-006, CAR21-004, & SEP21-022) that proposes for Preliminary Short Plat approval for three (3) lots, and a Critical Areas Review 2 application with SEPA review.

King County facilities, the 48-inch North Mercer Island Trunk and the North Mercer Pump Station, are adjacent to the project area (see enclosed record drawing showing the location of the facilities in the project vicinity).

In order to protect this wastewater facility during construction, WTD requests that City of Mercer Island, Community Planning & Development submit construction drawings for the project, so that WTD can assess its potential impacts. Please send drawings to:

Local Public Agency Program
King County WTD, Engineering and Technical Resources
201 South Jackson Street, KSC-NR-0503
Seattle, WA 98104-3855
(206) 477-5414 / lpa.team@kingcounty.gov

Thank you for the opportunity to review and comment on this proposal.

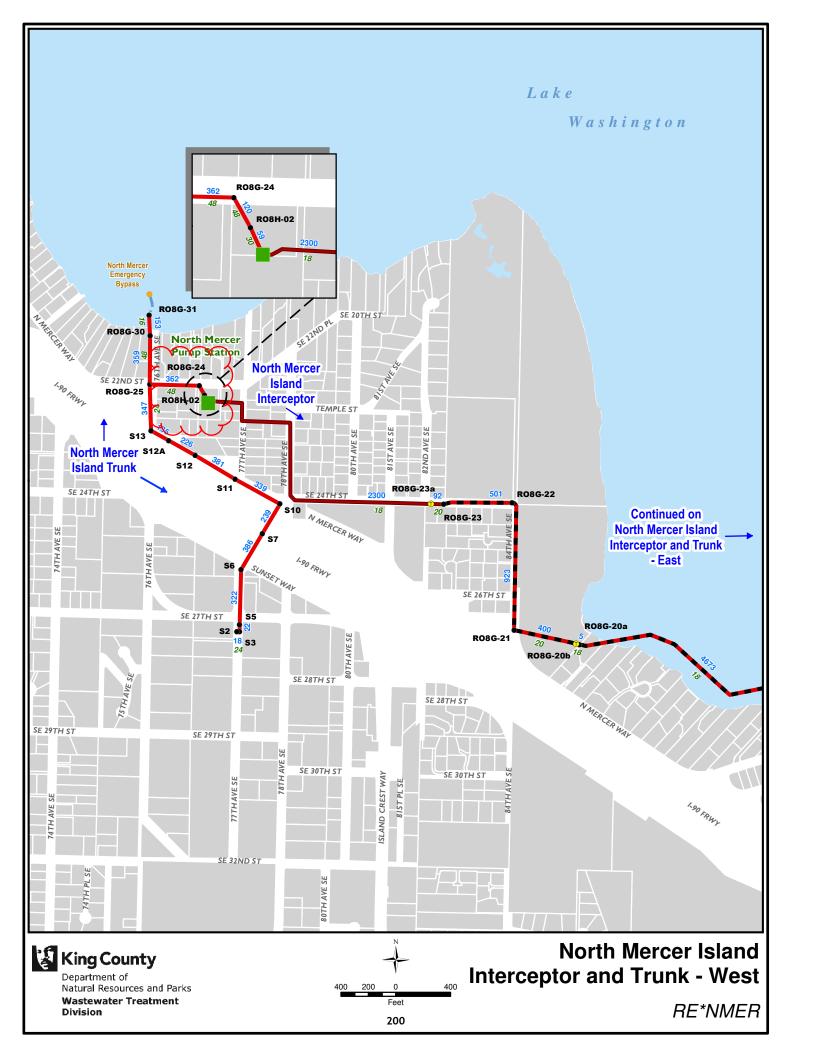
Sincerely,

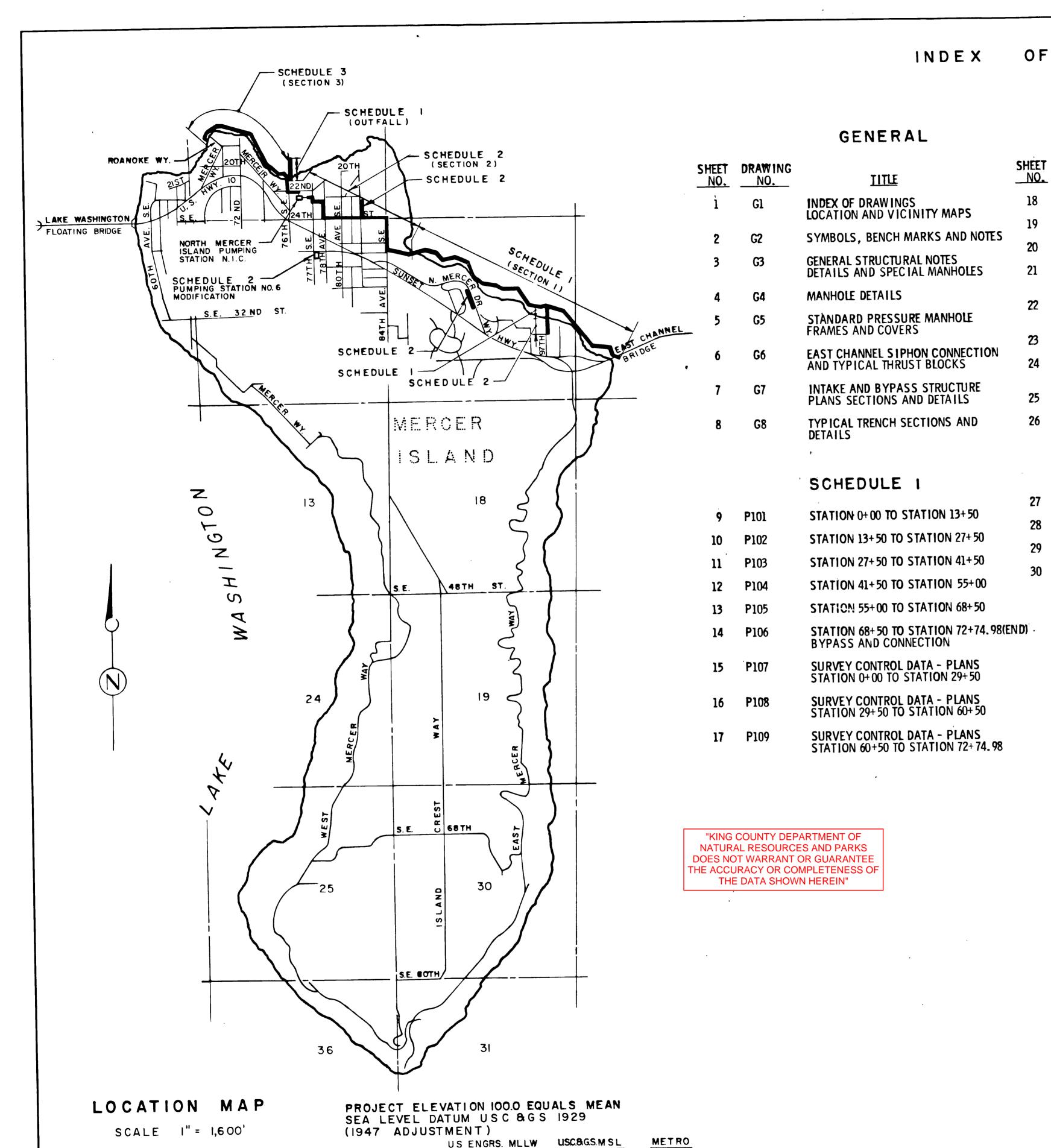
Bailey Pfeiffer

Bailey Pfeiffer

Environmental Planning Administrator

Enclosure: Record drawing and sewer one-line map of the North Mercer Island Trunk and the North Mercer Pump Station in the vicinity of the proposed project.





SCHEDULE 2

DRAWINGS

OF

P201

P202

P203

P204

P205

P206

P208

P301

P302

P303

P304

24 P207

25

21

SHEET DRAWING TITLE ___NO.__ STATION 1+10 TO STATION 13+00 STATION 13+00 TO STATION 25+50 STATION 25+50 TO STATION 38+00 CONNECTION DETAILS STATION 38+00 TO STATION 43+75.96(END) STATION 0+00 TO STATION 7+20.57 TUNNEL PLAN - 76TH AVE. SE CONNECTIONS 97TH AVE. SE SEWER - PUMPING STATION NO. 6 MODIFICATION NORTH MERCER WAY SEWER SUBTERRANEAN VENT - LINE

SCHEDULE 3

STATION 1+21.14 TO STATION 13+00 STATION 13+00 TO STATION 26+00 STATION 26+00 TO STATION 30+06.13(END) SURVEY CONTROL DATA - PLANS STATION 1+21,14 TO STATION 30+06.126

MAP VICINITY

NOTE:

THE DRAWINGS ARE CROSS-REFERENCED IN THE FOLLOWING MANNER:

(A) SECTION CUT ON DRAWING G4

SECTION

--- SECTION NUMBER DRAWING ON WHICH

(B) ON DRAWING G 5 THIS SECTION IS IDENTIFIED AS:

SECTION

- SECTION NUMBER

- DRAWING ON WHICH SECTION WAS TAKEN

SECTION APPEARS

REDMOND

LOCATION

-METRO'S

KENT

RENTON S.T.P.

(C) DETAILS ARE CROSS-REFERENCED IN A SIMILAR MANNER, EXCEPT THAT DETAILS ARE IDENTIFIED BY LETTER RATHER THAN BY NUMBER.

> AS CONSTRUCTE DATE SEPT. 1970



114.07 14.07¹ 13.07¹ NORTH MERCER ISLAND INTERCEPTOR SEATTLE RENTON OF METROPOLITAN R208G MUNICIPALITY

AS NOTED

DESIGNED GSD DRAWN _ NLH CHECKED 650

METROPOLITAN ENGINEERS BROWN AND CALDWELL R W BECK AND ASSOCIATES HILL AND INGMAN

MEAN REGULATED LAKE LEVEL Min. Regulated lake level

SUBMITTED Janu Lodson RECOMMENDE Jestin Disha APPROVED APPROVED APPROVED APPROVED For Metropolitan Engineers

Project Engineer - Metropolitan Engineers

Chief Engineer - Metropolitan Engineers

21.00

APPROVED (Mas Cist) And the For Municipality of Metropolitan seattle

NOV. 1968

INDEX OF DRAWINGS SYSTEM LOCATION AND VICINITY MAPS

GI SHEEL NUMBER 1 OF 30

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	SYMBOLS				BENCH MARKS	,	
	WORK TO BE DONE	BENCH MARK			;		DESCRIPTION ELEVATIONS
- MH RI		NUMBERS ES-480	PK NAIL ON EAST SIDE OF NORTHERLY BRIDGE PIER ON WEST SIDE	ELEVATIONS 19.508	, 1 ;	ES-1063	TACK IN LEAD IN NORTHWEST CORNER OF CONCRETE SLAB FOR PUMP 18,392
E 1650,	000.00	ES-481	PK NAIL ON EAST SIDE OF NORTHERLY BRIDGE PIER ON WEST SIDE OF EAST CHANNEL LAKE WASHINGTON. TACK IN LEAD IN NORTHEAST CORNER OF CONCRETE BULKHEAD, 2ND DOCK 400' SOUTH OF EAST CHANNEL BRIDGE ON WEST SHORE	15.866	r.	ES-1064	WELL AT END OF 76TH AVENUE SE 35' + SOUTH OF SHORELINE. TACK IN LEAD IN TOP OF CONCRETE RETAINING WALL SUPPORTING DOCK 1.5' EAST OF EAST DOCK LINE 45' + EAST OF WEEPING WILLOW
STA 111+00	CONCRETE ENCASEMENT OR JACKED OR TUNNELED CROSSING	ES-844	OF LAKE WASHINGTON. TACK IN LEAD IN CONCRETE BULKHEAD ON SOUTH SIDE OF DOCK	16.869	L S	ES-1065	TREE FRONT OF HOUSE NO. 7420. TACK IN LEAD IN NORTHEAST CORNER OF FIRST STEP DOWN IN SET OF FOUR STEPS FROM RETAINING WALL 27' + WEST OF DOCK IN
N 193,000 0 E 1663,000 0	COORDINATE (COORDINATES & BEARINGS ARE BASED ON U.S DEPT OF COMMERCE, COAST & GEODETIC SURVEY, LAMBERT GRID, NORTH ZONE	ES-845	TACK IN LEAD IN BOTTOM LEDGE OF CONCRETE BULKHEAD ON FENCE LINE 40' + NORTH OF DOCK FROM LARGE BOATHOUSE	14.275	i	ES-1066	FRONT OF HOUSE NO. 7230. TACK IN LEAD IN SOUTHEAST CORNER OF SECOND CONCRETE STEP LEADING DOWN FROM LAWN TO WATER IN FRONT OF HOUSE NO. 1621.
250—	NEW DESIGN CONTOUR	ES-846	NO. 9772. TACK IN LEAD IN SOUTHEAST CORNER OF MANHOLE STRUCTURE AT END OF 97TH AVENUE SE 15' ± SOUTH OF LAKE LINE ON WEST	19.673		ES-1067	RAILROAD SPIKE IN SOUTHEAST SIDE OF 28" WILLOW ON NORTHWEST CORNER OF LOT HOUSE NO. 1614 10" + EAST OF OLD WHITE BOAT HOUSE AND PUMP SHED 30" + EAST OF ROANOKE WAY 15" + UP FROM
	EXISTING WORK	FC 047	SIDE OF DIRT ROAD. RAILROAD SPIKE IN SOUTHEAST SIDE OF 24" COTTONWOOD TREE	17.867	• • • • • • • • • • • • • • • • • • •		LAKE EDGE.
s <u></u> s	" SANITARY SEWER & SIZE	ES-847	IN LINE WITH STAIRS COMING DOWN FROM HOUSE NO. 9400 15' ± EAST OF DOCK.	27.00	•	ES-1073	TOP OF MOST SOUTHERLY BOLT WITH "X" ON FIRE HYDRANT ON 90.680 NORTH SIDE OF MERCER WAY 35' + EAST OF DRIVEWAY TO HOUSE NO. 9095 ON SIDE OF STREET (STATE 90-2).
		ES-848	TACK IN LEAD IN NORTHEAST CORNER OF CONCRETE SIDEWALK LEADING TO MOORAGE DOCK FOR SHOREWOOD RESIDENTS AT WESTERLY END OF PRIVATE BEACH AREA.	16.280	•	ES-1075	TOP OF SOUTHERLY BOLT BETWEEN WORDS "NOOGA" AND TENN. 93.491 NORTHWEST CORNER OF DRIVEWAY TO HOUSE NO. 9004 NORTH
G 6'	GAS LINE & SIZE	ES-849	TACK IN LEAD ON NORTHEAST RIM OF 4' CIRCULAR CONCRETE WELL CASING 6' FAST OF 24' CEDAR 9' WEST OF STAIRS DOWN	21.641		ES-1068	SIDE OF MERCER WAY APPROXIMATELY CENTER OF CURVE. BOLT ON FIRE HYDRANT BETWEEN THE "L'S" IN MULLER ON THE EAST SIDE OF 97TH AVENUE SE 115' ± NORTH OF SE 34TH STREET.
——— T—————————————————————————————————	ELECTRICAL COMPULT	ES-850	FROM HOUSE NO. 9010 OPPOSITE RAMP TO DOCK. RAILROAD SPIKE IN SOUTHEAST SIDE OF 16" COTTONWOOD TREE 105' + WEST OF DOCK, PUMP AND STORAGE SHED ON WEST END	18.187		ES-1069	EXISTING TACK IN LEAD IN TOP OF 12" x 12" BRICK FENCE POST 58,836 ON THE NORTHEAST CORNER OF SE 34TH STREET AND 96TH AVENUE SE.
	GENTERLINE OR SECTION LINE PROPERTY LINE OR RW LINE	ES-851	OF CLEARING NEAR HOUSE NO. 8906 TACK IN LEAD IN NORTHWEST CORNER OF CONCRETE RETAINING WALL APPROXIMATELY 1.2' WIDE ON WEST PROPERTY LINE OF	16.752			
	TEMPORARY EASEMENT LINE CONTOUR LINE	•	HOUSE NO. 8618, 10' WEST OF CENTERLINE DOCK UNDER GROVE OF WEEPING WILLOWS.				SPECIAL CONSTRUCTION NOTES
	CURB & GUTTER	ES-852	RAILROAD SPIKE IN NORTHEAST SIDE OF 24" POPLAR TREE APPROXIMATELY ON PROPERTY LINE EAST OF HOUSE WEST EDGE OF LARGE EXPANSE OF LAWN ENCLOSED BY LARGE	16.931	, , , , , , , , , , , , , , , , , , ,	SN1	THE CONTRACTORS SHALL IN NO WAY INTERFERE WITH THE PROPER OPERATION OF EXISTING SEWERS AND PUMPING STATIONS UNTIL THE DESIGNATED CONNECTIONS TO THESE SYSTEMS ARE MADE. NO CONNECTIONS TO THE NEW SYSTEM SHALL BE MADE UNTIL COMPLETION AND TESTING OF THE NORTH MERCER ISLAND PUMPING
1111111 HHHHH 1111111	ASPHALTIC PAVEMENT (EDGE)	` ES-853	POPLAR AND CEDAR TREES. SMALL WHITE COTTAGE SITS ON LOT. RAILROAD SPIKE IN BACKSIDE OF 9" TREE 100" + SOUTHWEST	16.400	; ;		STATION (CONTRACT 68-3) AND SECTIONS 1 AND 2 OF THIS CONTRACT (68-6). THE CONTRACTORS SHALL ACQUAINT THEMSELVES WITH CONTRACT 68-3 CONSTRUCTION SCHEDULE AND SHALL COORDINATE THEIR WORK WITH THAT OF CONTRACT 68-3 AND WITH OTHER CONTRACTORS FOR THIS CONTRACT 68-6.
			OF LIFEGUARD STATION 5' WEST OF LAKE EDGE, TUTHER BURBANK BEACH AREA. TOP OF BOLT WITH "X" ON FIRE HYDRANT LOCATED ON NORTHWEST	87.987		SN2	THE SCHEDULE 1 CONTRACTOR SHALL MAKE THE CONNECTIONS TO THE SCHEDULE 2 PIPE-
+ + + + + + + + + + + + + + + + + + + 	FENCE	ES-855	CORNER OF INTERSECTION OF SE 24TH STREET AND 84TH AVENUE SE. RAILROAD SPIKE IN SOUTH SIDE OF POWER POLE ON SOUTHWEST	114.442	-		AT 76TH AVENUE SE (TWO CONNECTIONS). ALL POINTS OF CONNECTION ARE SHOWN ON DRAWING PIÚ6. THE SCHEDJLE 2 PIPELINES WILL BE AVAILABLE FOR CONNECTION NO LATER THAN 180 DAYS AFTER NOTICE TO PROCEED IS GIVEN TO THE SCHEDULE 2
	RIVER OR CREEK	• ES-856	OF DRIVEWAY TO HOUSE NO. 8205.		•	SN3	THE SCHEDULE 2 CONTRACTOR SHALL CONSTRUCT PIPELINES AND CONNECTION PITS
20'- 18"X CMPA ======	CULVERT - LENGTH, SIZE, & MATERIAL (HEADWALLS, IF APPLICABLE)	ES-857	RAILROAD SPIKE IN NORTHEAST SIDE OF POWER POLE ON SOUTHEAST CORNER OF 81ST AVENUE SE AND 24TH STREET SE.	97.655			AT ALL POINTS OF CONNECTION TO SCHEDULE 1 PIPELINES NO LATER THAN 180 DAYS AFTER NOTICE TO PROCEED. ALL EXCAVATIONS SHALL BE SHORED AND BRACED WITH SUITABLE COVERS FOR PROTECTION OF THE GENERAL PUBLIC. SUBJECT TO APPROVAL OF THE SCHEDULE 1 CONTRACTOR, PIPELINES AND CONNECTION PITS MAY BE CONSTRUCTED LATER THAN SPECIFIED ABOVE.
	MANHOLE	ES-858	RAILROAD SPIKE IN SOUTH SIDE OF POWER POLE ON SOUTHEAST CORNER OF INTERSECTION OF 80TH AVENUE SE AND SE 24TH STREET.	,81.035 •		NAZ	STRUCTED LATER THAN SPECIFIED ABOVE. THE SCHEDULE 3 CONTRACTOR SHALL MAKE THE CONNECTION TO THE SCHEDULE 1
	INLET OR CATCH BASIN	ES-859	TOP OF BOLT WITH "X" ON NORTHEAST SIDE OF FIRE HYDRANT ON NORTHEAST CORNER OF 78TH AVENUE SE AND-SE 24TH STREET,	92.644	•		PIPELINE AT 76TH AVENUE SE (STA. 1+34.86 BK STA. 1+21.41 AHD).
+	FIRE HYDRANT	ES-1078	RAILROAD SPIKE IN EAST FACE OF POWER POLE ON EAST SIDE OF 77TH AVENUE SW CORNER OF ROCK WALL HOUSE NO. 2244.	67.967	•	לאוכ	PRIOR TO DEMOLITION OF EXISTING PUMPING STATIONS, THE CONTRACTOR SHALL REMOVE AND DELIVER TO THE MAINTENANCE SHOP AT METRO'S RENTON TREATMENT PLANT THE FOLLOWING ITEMS:
⊗	WATER METER BOX VALVE	ES-1079	TOP OF BOLT WITH "X" ON SOUTHEAST SIDE OF FIRE HYDRANT ON NORTH SIDE OF SE 22ND STREET IN LINE WITH WEST EDGE OF 77TH AVENUE SE.	43.504	•	•	HOUR METERS SUMP PUMPS EXHAUST FANS
•	UTILITY POLE GUY WIRE	ES-1081	RAILROAD SPIKE ON SOUTHWEST FACE OF POWER POLE ON SOUTH SIDE OF SE 22ND STREET ACROSS FROM DRIVEWAY TO HOUSE NO. 7650	29.307	. •		INSTRUMENT AIR COMPRESSORS CONTROLLERS TELEMETRY TRANSMITTERS
\bigcirc	DECIDUOUS TREE	ES-1080	MOST SOUTHERLY BOLT WITH "X" ON FIRE HYDRANT 20' ± WEST OF DRIVE WAY TO HOUSE NO. 7638 ON SE 22ND STREET.	34.027		SN6	BEFORE WORK SHALL COMMENCE ON PUMPING STATION NO. 6 MODIF ICATIONS, THE NORTH MERCER ISLAND PUMPING STATION (CONTRACT 68-3) SHALL BE COMPLETE
	EVERGREEN TREE SOIL BORING & DESIGNATION	- ES-863	TOP OF BOLT WITH "X" ON WEST SIDE OF FIRE HYDRANT ON NORTHWEST CORNER OF 76TH AVENUE SE AND SE 22ND STREET.	48.799		,	AND OPERATIONAL INCLUDING ALL NECESSARY SEWER LINES (SCHEDULE I AND 2) IN THIS CONTRACT 68 6 TO PROVIDE CONVEYANCE OF SEWAGE TO THE EXISTING EAST CHANNEL SIPHON (CONTRACT NO) 67 (2) WITHOUT BYPASSING OR OVERFLOWS. ALL
•	SURVEY MONUMENT OR PERM BENCH MARK ANGLE POINT OR HUB	€S-1062 `	RAILRÓAD SPIKE IN POWER POLE ON EAST SIDE OF 76TH AVENUE SE, 36' + SOUTH OF DRIVEWAY TO HOUSE. LAST POWER POLE RUNNING NORTH.	29.349	, DF	SN7	FLOWS TRIBUTARY TO PUMPING STATION NO. 2 SHALL BE CONNECTED TO THE NEW SYSTEM PRIOR TO BEGINNING THIS WORK. AFTER MAKING THE FORCE MAIN CONNECTION AT PUMPING STATION NO. 6, THE
	SECTION CORNER	•	BENCH MARK ELEVATIONS ARE MEAN SEA LEVEL DATING USC & GS 1909-1947 AD JUSTIMENT, MIT 100000 FOR	1	GEN COLLEGE	Market Co	AFTER MAKING THE FORCE MAIN CONNECTION AT PUMPING STATION NO. 6, THE CONNECTION TO THE EXISTING MANHOLE ON NORTH MERCER WAY AT 89TH PLACE SE SHALL BE MADE AND THE LOCAL SEWER ON NORTH MERCER WAY COMPLETED WITHIN 30 DAYS. SEE DRAWINGS P207 AND P208.
	4 SECTION CORNER HAND AUGER PROBING & DESIGNATION	,`	PROJECT E.FVATIONS		104413	ENG!	AS CONSTRUCTED DATE SEPT 1970
~ 2	TAIVE ACCENTINGUING & DECIGNATION	<i>,</i>	· 1		WAL	· · · · · · · · · · · · · · · · · · ·	NORTH MERCER ISLAND INTERCEPTOR DEGM N NOMB

SEATTLE MUNICIPALITY OF METROPOLITAN F LE GSD METPOPOLITAN ENGINEERS Design & suffer Metropolitan Engineer Metropolitan Engineer Crise Engineer Metropolitan Engineers or Mil cipality of Metropolitan Engineers or Mil cipality of Metropolitan Engineers

R208G RENTON SYSTEM NOV. 1968

NORTH MERCER ISLAND INTERCEPTOR

SYMBOLS, BENCH MARKS AND NOTES

NO SCALE

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CHEET NUMBER

2 _ OF _30

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STRUCTURAL NOTES GENERAL

GENERAL

- SCOPE. THE NOTES AND DÉTAILS ON THIS SHEET ARE GENERAL AND APPLY TO THE ENTIRE PROJECT EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY.
- APPLICABLE SPECIFICATIONS AND CODES. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE UNIFORM BUILDING CODE EXCEPT WHERE OTHER APPLICABLE CODES, THE FOLLOWING NOTES OR DRAWINGS ARE MORE RESTRICTIVE.
- ALTERNATIVE DESIGNS. THE STRUCTURAL SYSTEMS AND DETAILS ON THESE PLANS ARE THE PRIORITY DESIGN; HOWEVER, ALTERNATIVE SYSTEMS AND DETAILS MAY BE USED IF THE CONTRACTOR SUBMITS PLANS WITH SUBSTANTIATING CALCULATIONS AND TEST DATA THAT ARE ACCEPTED BY THE ENGINEER.
- CONSTRUCTION LOADS. STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURES; DURING CONSTRUCTION, THE STRUCTURES SHALL BE PROTECTED BY BRACING AND BALANCING WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR.

STEEL

- CODES AND SPECIFICATIONS. STEEL CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS AS CONTAINED IN THE LATEST EDITION OF THE AISC STEEL CONSTRUCTION
- MATERIAL. ALL STRUCTURAL SHAPES, BARS, PLATES AND SHEETS INDICATED ON THE DRAWINGS SHALL BE STEEL MEETING ASTM A-7 SPECIFICATIONS.
- WELDING. ALL WELDING SHALL CONFORM TO A.W.S. CODE FOR ARC AND GAS WELDING IN BLDG. CONSTRUCTION. WELDERS SHALL BE CERTIFIED BY THE CITY OF SEATTLE BUILDING DEPARTMENT.
- ENCASED STEEL. STEEL COMPLETELY ENCASED IN CONCRETE SHALL NOT BE GALVANIZED OR PAINTED AND SHALL HAVE A CLEAN SURFACE FOR BONDING WITH CONCRETE WHEN IT IS CAST.

ALUMINUM

SPECIFICATIONS AND CODES. ALUMINUM CONSTRUCTION SHALL BE IN ACCORDANCE WITH ASCE'S SPECIFICATIONS FOR STRUCTURES OF ALUMINUM ALLOW 6061-T6.

CONCRETE

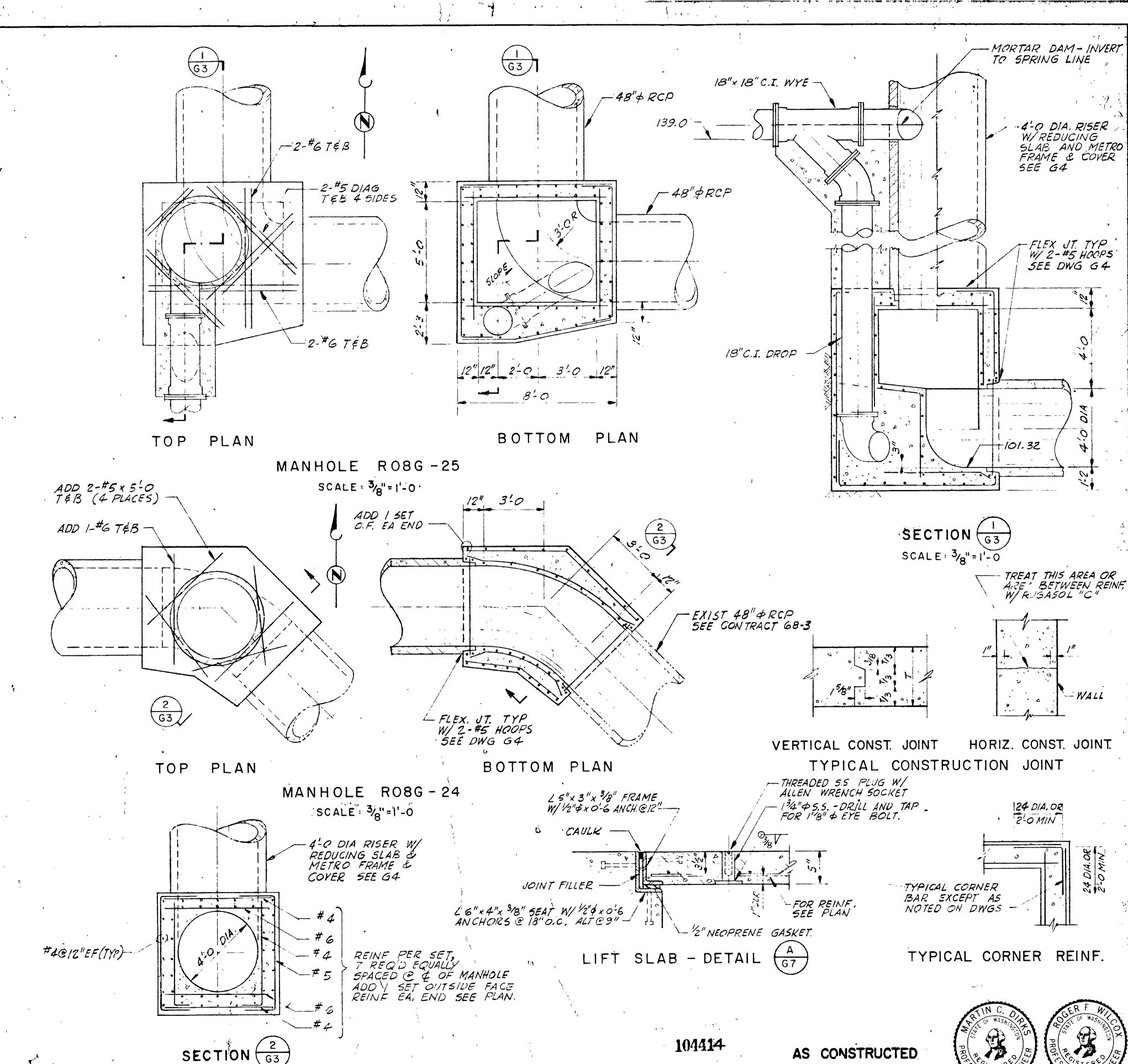
- APPLICABLE CODE. CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION ACI BUILDING CODE (ACI 318-63).
- RE-STL DETAILS. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH MAUNAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI-315 LATEST EDITION.
- DESIGN STRESSES

So the standard to the tree of the standard to the standard to the standard to the standard to the standard to

- A. PRECAST CONCRETE 5,000 PSI ULTIMATE COMPRESSIVE STRESS AT 28 DAYS, EXCEPT AS NOTED. B. TREMIE CONCRETE SEE SPECIFICATIONS. C. CAST-IN-PLACE CONCRETE 3,000 PSI ULTIMATE COMPRESSIVE STRESS AT 28 DAYS. D. REINFORCING STEEL TENSION DUE TO FLEXURE, INTERMEDIATE GRADE 20,000 PSI.
- CONCRETE COVER. CONCRETE COVER FOR REINFORCING BARS SHALL BE AS SPECIFIED ON THE DRAWINGS. COVER NOT SPECIFIED SHALL BE AS FOLLOWS WITH MINIMUM COVER OF ONE BAR DIAMETER:

 - A. CONCRETE CAST AGAINST GROUND 3"
 B. CONCRETE TO BE IN CONTACT WITH SEWAGE 2-1/2"
 C. CONCRETE ON EXTERIOR FACE OF EXTERIOR WALL 2"
 D. CONCRETE TO BE IN CONTACT WITH GROUND, WEATHER OR CLEAN WATER
 - (1) ATBARS GREATER THAN #5 2''
 (2) AT BARS #5 OR LESS 1/2''
- DOWELS. REINFORCING BARS USED AS DOWELS SHALL BE THE SAME SIZE AND SPACING AS BARS WITH WHICH THEY ARE LAPPED.
- BAR SPLICES. ALL BAR SPLICES SHALL BE LAPPED AT LEAST 24 BAR DIAMETERS. THE LENGTH OF LAP SPLICE OF BARS OF DIFFERENT DIAMETERS SHALL BE BASED ON THE LARGER DIAMETER. BAR SPLICES MAY ALSO BE MADE BY WELDING IN ACCORDANCE WITH THE SPECIFICATIONS.
- STANDARD HOOKS. BARS ENDING IN RIGHT ANGLE BENDS OR HOOKS SHALL CONFORM TO THE REQUIREMENTS OF PAR. 801, ACI 318 63.
- CHAMFERS. EXCEPT AS OTHERWISE REQUIRED, EXPOSED CONCRETE CORNERS AND EDGES SHALL HAVE 3/4" CHAMFERS. RE-ENTRANT CORNERS SHALL NOT HAVE FILLETS.
- CONSTRUCTION JOINTS. LOCATION OF ALL CONSTRUCTION JOINTS SHALL HAVE THE APPROVAL OF THE ENGINEER. IN WATERTIGHT STRUCTURES, PVC WATERSTOPS SHALL BE PROVIDED IN THE CONSTRUCTION JOINTS. CONSTRUCTION JOINTS SHALL BE AS DETAILED ON THE DRAWINGS.

Design d'of cer Metroso to agineer



IL HIGHET MCD METROPOLITAN ENGINEERS CARFY AND KRAMER BROWN AND CALDWELL HILL AND INGMAN R W BECK AND ASSOCIATES

METROPOLITAN SEATTLE MUNICIPALITY The Engineer - Metropolitus Engineers For Mutropoliton Engineers

SCALE . 3/8" = 1'-0

R 208G , AS NOTED NOV 1968

NORTH MERCER ISLAND INTERCEPTOR RENTON GENERAL STRUCTURAL NOTES SYSTEM DETAILS, AND SPECIAL MANHOLES

DATE SEPT. 1970

G 3 SHEET NUMBER 3 or 30

GROUT OUTSIDE OF **"KING COUNTY DEPARTMENT OF** CASING PIPE NATURAL RESOURCES AND PARKS DOES NOT WARRANT OR GUARANTEE THE ACCURACY OR COMPLETENESS OF CARRIER THE DATA SHOWN HEREIN" LINER PLATE THICKNESS SHALL BE THE CONTRACTOR'S OPTION SUBJECT TO THE REQUIREMENTS CONTAINED IN THE SPECIFICATIONS LINER PLATE 1.D. RCP O.D. + 14" MIN. -FILL WITH GROUT AFTER PIPE HAS BEEN PLACED CONTINUOUS GREASED SKIDS CREOSOTED D.F. TUNNELED SECTION & PIPE - APPLICABLE TO SECTIONS WHERE NO BEACH RESTORATION IS REQUIRED APPLICABLE TO SECTIONS WHERE BEACH RESTORATION IS REQUIRED ASPHALTIC CONCRETE, BITUMINOUS EXISTING LAKE BEACH RESTORATION-SURFACE TREATMENT OR BOTTOMT BITUMINOUS ROAD MIX -EXIST. ASPHALT PVMT. -SUBSEQUENT BACKFILL SUBSEQUENT BACKFILL SHALL BE CLASS TO UNLESS OTHERWISE NOTED SHALL BE CLASS X EXCEPT TYPE B -6" MIN. TOP & EXIST. GRAVEL MATERIAL SHALL BE BASE COURSE BASE USED TYPE B ROAD RESTORATION RESTORATION OF ALL ASPHALTIC CONCRETE SURFACES SHALL BE TYPE B ROAD RESTORATION SIDE SLOPE TO BE DETERMINED BY CONTRACTOR -12"MIN. UNLESS OTHERWISE NOTED -INITIAL BACKFILL SHALL BE CLASS X EXCEPT INITIAL BACKFILL TYPE L MATERIAL SHALL BE USED NEW SURFACING SHALL BE CLASS I EXCEPT TYPE L EXIST. OIL MAT OR MATERIAL SHALL BE USED -GRAVEL SHALL BE CLASS X EXCEPT TYPE L MATERIAL SHALL BE USED BEDDING SHALL BE CLASS X EXCEPT TYPE L MATERIAL 6" MIN, TOP & EXIST. GRAVEL SHALL BE USED -BASE COURSE SECTION TRENCH UNRESTRICTED BASE UNDERWATER TYPE C OR D ROAD RESTORATION RESTORATION OF ALL SURFACES WITHIN STREET UNLESS OTHERWISE NOTED ON THE DRAWINGS. THE RIGHT-OF-WAYS, EXCEPT ASPHALTIC CONCRETE, CONTRACTOR MAY USE EITHER OF THE INDICATED TRENCH SHALL BE ROAD RESTORATION TYPE D UNLESS SECTIONS ON LAND FOR THE EXCAVATION OF ALL ON SHORE SEWER WORK R/W OR CONSTRUCTION EASEMENT LINE -ROAD RESTORATION WHERE SEE NOTE ! REQUIRED TO REPLACE EXISTING SURFACING ROAD RESTORATION WHERE REQUIRED TO REPLACE EXISTING SURFACING //ANY/ANY/ANY/A SIDE SLOPE TO BE SUBSEQUENT BACKFILL DETERMINED BY CONTRACTOR SHALL BE CLASS II SUBSEQUENT BACKFILL TRENCH SUPPORT UNLESS OTHERWISE NOTED SYSTEM WHERE SHALL BE CLASS II UNLESS OTHERWISE NOTED NECESSARY --INITIAL BACKFILL SHALL BE CLASS I UNLESS OTHERWISE 18" MIN. FOR NOTED. (SEE NOTE 2) -INITIAL BACKFILL SHALL
BE CLASS II UNLESS FIBERGLASS PIPE. 12" MIN FOR ALL OTHER BEDDING SEE SPECS. OTHERWISE NOTED PIPES -BEDDING SEE SPECS. TOE PENETRATION AS TRENCH SECTION UNRESTRICTED NECESSARY TO SUIT O.D. +2-0 MIN. (SEE NOTE 3) GROUND CONDITIONS ON LAND (SEE NOTE 3) THE MAXIMUM WIDTH AT THE TOP OF THE TRENCH SHALL BE DETERMINED
BY THE CONTRACTOR TO SUIT HIS CONSTRUCTION OPERATIONS. TRAFFIC
FLOW AND PROTECTION OF ADJACENT PROPERTY ARE THE CONTRACTORS NOTES: TYPICAL VERTICAL TRENCH SECTION RESPONSIBILITY. 2. INITIAL BACKFILL FOR FIBERGLASS, A.C. & P.V.C. PIPES SHALL BE ON LAND CLASS I. 3. FOR FIBERGLASS PIPES MINIMUM TRENCH WIDTH SHALL BE O.D. + 3'-0 SEATTLE OF METROPOLITAN

METROPOLITAN ENGINEERS

BROWN AND CALDWELL

HILL AND INGMAN

CAREY AND KRAMER

RW BECK AND ASSOCIATES

SUBMITTED Hay & Lodson

Design Engineer - Metropolitan Engineers

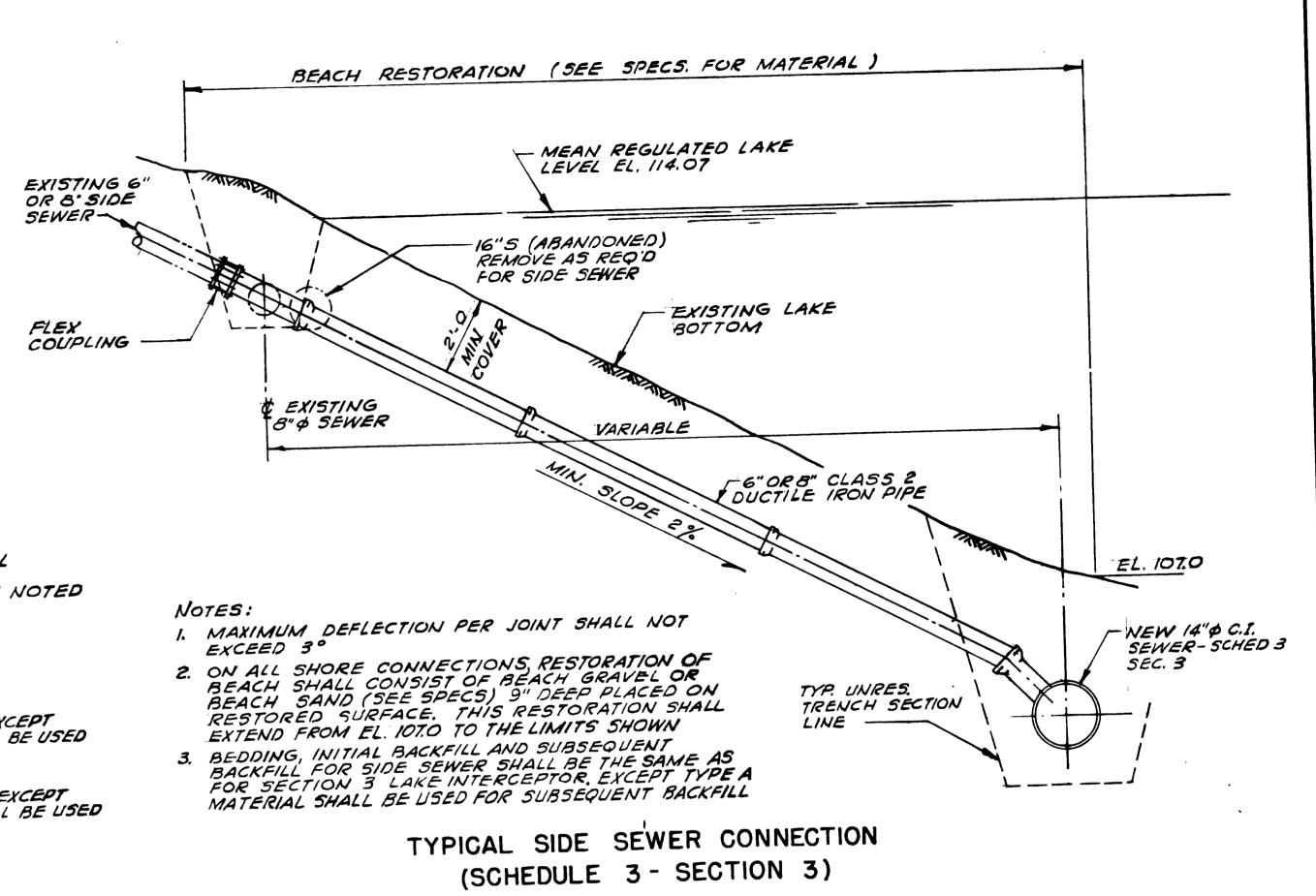
DESIGNED GSD, CW

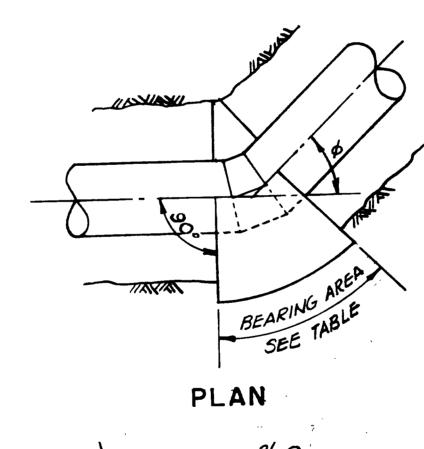
CHECKED GSD, CW

MUNICIPALITY

RECOMMENDED Mostin C Dinks

RECOMMENDED Montin C Dinta APPROVED APPROVED APPROVED For Metropolitan Engineers Chief Engineer - Metropolitan Engineers Chief Engineer - Metropolitan Engineers Chief Enginee





2'-0 MIN. PLACE CONCRETE AGAINST UNDISTURBED GROUND PROVIDE THRUST BLOCK AT EVERY CHANGE OF DIRECTION 2000 P.S.I. CONCRETE

RENTON

SYSTEM

R208G

DATE NOV. 1968

NO SCALE

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SCHEDULE 2 - SECTION 2 FORCE MAIN THRUST BLOCK SCHEDULE BEARING AREA STATION 5Q. FT. 12 31 + 22.55 12 31 + 69.23 19 37+02.62 34 40+71.86 25 42+03.96 24 43+ 65.96

NOTE: FITTING AND PIPE JOINTS SHALL BE RESTRAINED AS SHOWN IN

SECTION DETAIL B/G6 DETAIL (SCHEDULE 2 - SECTION 2) THRUST BLOCK

AS CONSTRUCTED

104242

DATE SEPT. 1970 NORTH MERCER ISLAND INTERCEPTOR

TYPICAL TRENCH SECTIONS AND DETAIL

G 8 SHEET NUMBER 8 OF 30

