SW 1/4 OF THE NE 1/4, SECTION 13, TOWNSHIP 24 NORTH, RANGE 4 EAST, W.M.

SEWER MAIN REPLACEMENT PROJECT

42XX HOLLY LN

MERCER ISLAND, WA 98040

OWNER

MICHAEL & CARA PERLA
5320 W MERCER WAY
MERCER ISLAND, WA 98040

CONSULTANTS

ARCHITECT
STAURT SILK ARCHITECTS
2400 NORTH 45TH ST
SEATTLE, WA 98103
206.728.9500 FAX:206.448.1337
CONTACT: KELLY MCSHANE

CIVIL ENGINEER
CG ENGINEERING
250 4TH AVE S, SUITE 200
EDMONDS, WA 98020
425.778.8500 FAX 778.5536
CONTACT: JARED UNDERBRINK

SOIL/GEOTECH ENGINEER
ROBERT M. PRIDE, LLC
13203 HOLMES POINT DR NE
KIRKLAND, WA 98034
425.814.3970
CONTACT: ROBERT PRIDE

SURVEYOR
TERRANE
10801 MAIN ST, SUITE 102
BELLEVUE, WA 98004
425.458.4488
CONTACT: EDWIN GREEN JR.

LEGAL DESCRIPTION

(PER CHICAGO TITLE INSURANCE COMPANY'S "GUARANTEE" NO.0122668-ETU)

PARCEL B OF MERCER ISLAND LOT LINE REVISION NO. SUB-16-013, AS RECORDED UNDER RECORDING NO. 20170510900005, RECORDS OF KING COUNTY AUDITOR;

SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON.

PARCEL NUMBER

738900-0020

BASIS OF BEARINGS

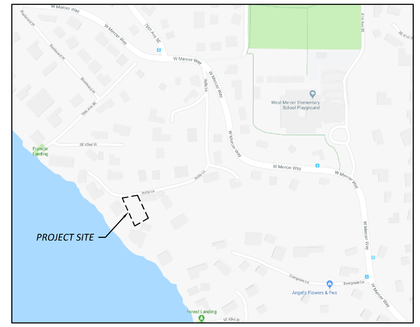
ACCEPTED A BEARING OF N 80°49'03"E, BETWEEN FOUND IRON PIPE AND REBAR WITH CAP, PER REF. 1

DATUM

NAVD 88

CAUTION!
CALL BEFORE YOU DIG!
BURIED UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY NOT BE COMPLETE. CONTACT THE ONE- CALL UTILITY LOCATE SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION
1-800-424-5555

SHEET INDEX	
SS1.1	COVER SHEET & GENERAL NOTES
SS1.2	SEWER PROFILE & DESIGN



VICINITY MAP

NTS

GENERAL NOTES

GENERAL NOTES

1. STANDARD SPECIFICATIONS:
   A. ALL WORK TO BE PERFORMED AND MATERIALS TO BE USED SHALL BE IN ACCORDANCE WITH THE WSDOT/APWA 2016 STANDARD SPECIFICATIONS AND STANDARD PLANS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AS APPLICABLE AND AS MODIFIED BELOW, AND UNLESS OTHERWISE NOTED, SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF MERCER ISLAND.
   B. LOCAL AMENDMENTS TO THE STANDARD SPECIFICATIONS, CONSISTING OF STANDARD DRAWINGS AND SPECIAL TECHNICAL CONDITIONS ARE REFERENCED IN THESE NOTES. COPIES OF THESE DOCUMENTS ARE AVAILABLE AT THE OFFICE OF THE CITY ENGINEER, CITY OF MERCER ISLAND, 9611 SE 36TH STREET, MERCER ISLAND, WA 98040.
   C. THESE SPECIFICATIONS SHALL BE APPLICABLE FOR, BUT NOT LIMITED TO, PUBLIC AND PRIVATE STREETS, DRIVEWAYS, PARKING LOTS, COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, APARTMENTS, ETC. WORK IN PRIVATE DEVELOPMENTS SHALL CONFORM TO THE SAME STANDARDS OF WORKMANSHIP AND MATERIALS AS ARE SPECIFIED WITHIN THE CITY RIGHT-OF-WAY, EXCEPT AS INDICATED ON THE PLANS.
2. PERMITS:
   PRIOR TO CONSTRUCTION, AND IN ADDITION TO ANY OTHER PERMITS REQUIRED, A CITY OF MERCER ISLAND "STREET USE PERMIT" MUST BE OBTAINED FOR ANY AND ALL WORK WITHIN THE CITY RIGHT-OF-WAY.
3. PLANS:
   IT IS A REQUIREMENT OF THE CITY OF MERCER ISLAND ENGINEERING DEPARTMENT, THAT AN APPROVED SET OF CONSTRUCTION PLANS FOR ALL WORK BE KEPT ON THE CONSTRUCTION SITE AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
4. INSPECTION:
   THE ENGINEERING DEPARTMENT CONSTRUCTION INSPECTOR 236-5300, OR 236-3587. (24-HR TAPED INSPECTION LINE) SHALL BE NOTIFIED24-HOURS PRIOR TO STARTING ANY TYPE OF CONSTRUCTION INCLUDING CLEARING, SANITARY SEWERS, WATER MAINS, STORM DRAINS, CURB AND UTTERS, SIDEWALKS, DRIVEWAYS, STREET GRADING AND PAVING.

CONTROL OF MATERIAL

THE SOURCE OF SUPPLY AND A DETAILED LIST OF EACH LIST OF EACH OF THE MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO DELIVER. ONLY MATERIALS CONFORMING TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPROVED BY THE CITY SHALL BE USED IN THE WORK. TESTING OF MATERIALS MAY INCLUDE TESTS OF ACTUAL SAMPLES, MANUFACTURER'S CERTIFICATIONS, APPROVAL OF CATALOGUE CUTS, OR FIELD ACCEPTANCE REPORTS. TESTING OF MATERIALS FOR INCORPORATION IN PRIVATE WORK SHALL BE PERFORMED AT OTHER THAN CITY EXPENSE.

EROSION AND SEDIMENTATION CONTROL

1. THE IMPLEMENTATION OF THESE EROSION SEDIMENTATION CONTROL (ESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE PERMIT HOLDER/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
2. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO INSURE THAT SEDIMENT-LADEN WATER DIES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE COMPLETED PRIOR TO ALL OTHER CONSTRUCTION.
3. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES), AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
4. THE ESC FACILITIES SHALL BE INSPECTED DAILY DURING NONRAINFALL PERIODS, EVERY HOUR (DAYLIGHT) DURING A RAINFALL EVENT AND AT THE END OF EVERY RAINFALL BY THE PERMIT HOLDER/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, TEMP. SILTATION PONDS AND ALL TEMP. SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.
5. ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF SEVEN (7) DAYS, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G. SEEDING, MULCHING, NETTING, EROSION BLANKETS, ETC...).
6. ANY AREAS NEEDING ESC MEASURE, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE
7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.
8. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER DOWNSTREAM SYSTEM.
9. STABILIZED CONSTRUCTION ENTRANCES AND WASH PADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL REQUIREMENTS SHALL BE ENFORCED BY THE INSPECTOR TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN OF SILT FROM CONSTRUCTION VEHICLES.
10. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE. (E.G. ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE)

EROSION AND SEDIMENTATION CONTROL (CONT)

11. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF THREE INCHES.
12. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF MERCER ISLAND STANDARDS AND SPECIFICATIONS.
13. EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS IF DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
14. A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
15. TEMPORARY EROSION/SEDIMENTATION CONTROLS SHALL BE INSTALLED AND OPERATING PRIOR TO ANY GRADING OR LAND CLEARING.
16. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
17. ALL CUT AND FILL SLOPES 5:1 (5 FEET HORIZONTAL TO 1 FOOT VERTICAL) OR STEEPER THAT WILL BE LEFT EXPOSED FOR MORE THAN 7 DAYS SHALL BE PROTECTED BY JUTE MATTING, PLASTIC SHEETING, MULCH, OR OTHER APPROVED STABILIZATION METHOD AND PROVIDED WITH ADEQUATE RUNOFF CONVEYANCE TO INTERCEPT RUNOFF AND CONVEY IT TO AN APPROVED STORM DRAIN.
18. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET, THE STREET SHALL BE CLEANED. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION VEHICLE ENTRANCE AND SHALL BE CLEANED OF MUD PRIOR TO EXITING ONTO THE STREET. SILT SHALL BE CLEANED FROM ALL CATCH BASINS WHEN THE BOTTOM HALF BECOMES FILLED WITH SILT.
19. ANY CATCH BASIN COLLECTING WATER FROM THE SITE, WHETHER THEY ARE ON OR OFF OF THE SITE, SHALL HAVE THEIR GRATES COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
20. WASHED GRAVEL BACKFILL ADJACENT TO THE FILTER FABRIC FENCES SHALL BE REPLACED AND THE FABRIC CLEANED IF CLOGGED BY SILT. ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS ONE-QUARTER DEPTH.
21. IF ANY PORTION OF THE EROSION/SEDIMENTATION CONTROL ELEMENTS ARE DAMAGED OR NOT FUNCTIONING, OR IF THE CLEARING LIMIT BOUNDARY BECOMES NON-DEFINED, IT SHALL BE REPAIRED IMMEDIATELY.

STORM DRAINAGE CONSTRUCTION

1. STORM DRAINAGE PIPE:
   PIPE SHALL BE CONCRETE OR ALUMINUM METAL, WITHIN THE PUBLIC RIGHT OF WAY. CONCRETE PIPE UP TO AND INCLUDING 24" DIAMETER SHALL BE UNREINFORCED AND SHALL CONFORM TO ASTM C-14, TABLE II, EXTRA STRENGTH, RUBBER GASKETED. CORRUGATED ALUMINUM ALLOY CULVERT PIPE SHALL BE AASHTO M-196, M-197, M-211, AND M-219, HELICAL, GAUGES AND TYPES SHALL BE AS NOTED ON THE PLANS. REINFORCED PIPE SHALL CONFORM TO ASTM DESIGNATION C-76 UNLESS OTHERWISE SPECIFIED. STORM SEWER DETENTION PIPE GREATER THAN 24" DIAMETER SHALL BE RUBBER GASKETED, HELICAL CORRUGATED ALUMINUM PIPE. BEDDING TO BE CLASS "C". GAUGE OF PIPE WILL BE AS SHOWN ON THE PLANS. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 7-04 OF THE SPECIFICATIONS AND MAY BE SUBJECT TO EXFILTRATION TEST.
2. OTHER MATERIALS:
   OTHER MATERIALS FOR STORM DRAINAGE CONSTRUCTION REQUIRE WRITTEN APPROVAL OF THE CITY ENGINEER.
3. BACKFILL RESTRICTIONS:
   A. BEDDING SHALL CONFORM TO STANDARD PLAN B-11
   B. MINIMUM COVER OVER STORM DRAIN SHALL BE 18".
   C. TRENCH BACKFILL COMPACTED TO 95% OF MAXIMUM DENSITY SHALL BE REQUIRED WHEREVER TRENCH EXCAVATION IS MADE IN PAVED ROADWAY, SIDEWALK OR ANY OTHER AREA WHERE MINOR SETTLEMENT WOULD BE DETRIMENTAL.
4. CATCH BASIN:
   A. TYPE 1, CATCH BASIN INLET SHALL CONFORM TO SECTION 7-05 OF THE STANDARD SPECIFICATIONS AND AS SHOWN ON STANDARD PLAN B-1. THE MAXIMUM DISTANCE TO INVERT IS 5'0" WITH A MAXIMUM PIPE DIAMETER UP TO 15" FOR CONCRETE PIPE, 18" FOR CMP. THE GRIT DROP CHAMBER IS A MINIMUM OF 18".
   B. TYPE 2, CATCH BASIN INLET SHALL CONFORM TO SECTION 7-05 OF THE STANDARD SPECIFICATION AND AS SHOWN ON STANDARD PLAN B-1B. MAXIMUM PIPE DIAMETER OF 24" FOR CONCRETE PIPE, 30' FOR CMP; A MINIMUM OF 8" BETWEEN HOLES. THE GRIT DROP CHAMBER IS A MINIMUM OF 24".
5. INLETS:
   CURB INLETS SHALL CONFORM TO SECTION 8-04 OF THE STANDARD SPECIFICATIONS AND AS SHOWN ON STANDARD PLAN B-41.
6. GRATE COVERS:
   A. COVERS FOR CATCH BASINS AND INLETS SHALL CONFORM TO OLYMPIC FOUNDRY CO. #SM50G OR EQUAL FOR SLOPES LESS THAN 3%. WHERE SLOPES EXCEED 3%, USE OLYMPIC FOUNDRY CO. #SM50V. GRATES SHALL BE DUCTILE IRON AND HAVE THE LETTERS "DUCTS" CAST IN THE COVER.
   B. SOLID COVERS FOR MANHOLES, WHERE PERMITTED, SHALL BE 24" DIAMETER, WITH "DRAIN" CAST IN COVER IN 2" LETTERS, CONFORMING TO OLYMPIC FOUNDRY CO. MH43, INLAND FOUNDRY NO. 835, OR APPROVED EQUAL.
   C. DRAINAGE STRUCTURES NOT WITHIN PUBLIC RIGHT-OF-WAY SHALL HAVE LOCKING LIDS.
7. FRAMES:
   FRAMES FOR CATCH BASINS AND INLETS SHALL BE OF CAST IRON OR DUCTILE IRON CONFORMING TO OLYMPIC FOUNDRY CO. SM50 OR EQUAL. VANED GRATES(SM50V) SHALL BE INSTALLED WHERE SHOWN ON THE PLANS, EXCEPT THROUGH-CURB INLET FRAMES WHICH SHALL CONFORM TO OLYMPIC FOUNDRY CO. SM52 OR EQUAL.

LEGEND

DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE		
ADJACENT PROPERTY LINE		
CENTERLINE		
CLEARING LIMITS		
SILT FENCE	X X	X X
CONTOUR LINE	100	100
FENCE		
SANITARY SEWER LINE	SS SS	SS SS
MANHOLE		
STORM DRAIN MAIN	SD SD	SD SD
STORM DRAIN PIPE		
ROOF DRAIN	R R	R R
FOOTING DRAIN	F F	F F
PRESSURE LINE	P P	P P
CATCH BASIN (TYPE 1)		
CATCH BASIN (TYPE 2)		
CLEANOUT		
CLEANOUT AND WYE		
GRADE BREAK		
SURFACE SWALE		
DRAINAGE ARROW		
WATER LINE	WA WA	WA WA
WATER METER		
FIRE HYDRANT		
FDC		
PIV		
GATE VALVE		
TEE		
90° BEND		
THRUST BLOCKING		
CAP		
CONCRETE PAVEMENT		
ASPHALT PAVEMENT		
CRUSHED SURFACING		
ROCKERY		
SPOT ELEVATION	20.0	20.0
TELEPHONE LINE	T T	T T
POWER LINE	E E	E E
GAS LINE	G G	G G
SIGN		

ABBREVIATIONS			
ABN	ABANDONED	MIN	MINIMUM
BLDG	BUILDING	MJ	MECHANICAL JOINT
BOW	BOTTOM OF WALL	MON	MONUMENT
℄	CENTERLINE	NTS	NOT TO SCALE
CB	CATCH BASIN	OC	ON CENTER
CMP	CORRUGATED METAL PIPE	PC	POINT OF CURVATURE
CO	CLEANOUT	PI	POINT OF INTERSECTION
CONC	CONCRETE	PIV	POST INDICATOR VALVE
CONST	CONSTRUCTION	ℙ	PROPERTY LINE
CP	CONCRETE PIPE	PT	POINT OF TANGENCY
CU YD	CUBIC YARD	PVC	POLYVINYL CHLORIDE PIPE
DDCVA	DOUBLE DETECTOR CHECK VALVE ASSEMBLY	PVI	POINT OF VERTICAL INTERSECTION
DI	DUCTILE IRON PIPE	PVMT	PAVEMENT
DIA	DIAMETER	PVT	POINT OF VERTICAL TANG.
DIP	DUCTILE IRON PIPE	R	RADIUS
EA	EACH	REINF	REINFORCEMENT
EJ	EXPANSION JOINT	RJ	RESTRAINED JOINT
ELEV	ELEVATION	RET	RETAINING
EOP	EDGE OF PAVEMENT	RT	RIGHT
EX	EXISTING	SD	STORM DRAIN
FDC	FIRE DEPT. CONNECTION	SECT	SECTION
FFE	FINISHED FLOOR ELEVATION	SDMH	STORM DRAIN MANHOLE
FH	FIRE HYDRANT	SIM	SIMILAR
FL	FLANGE	SQ	SQUARE
FT	FEET/FOOT	SS	SANITARY SEWER
GV	GATE VALVE	SSMH	SANITARY SEWER MANHOLE
HP	HIGH POINT	STA	STATION
HT	HEIGHT	STD	STANDARD
ID	INSIDE DIAMETER	STL	STEEL
IE	INVERT ELEVATION	TB	THRUST BLOCK
L	LENGTH/LINE	TOC	TOP OF CURB
LCPE	LINED CORRUGATED POLYETHYLENE PIPE	TOW	TOP OF WALL
LF	LINEAL FOOT	TOP	TOP ELEVATION
LP	LOW POINT	TYP	TYPICAL
LT	LEFT	VC	VERTICAL CURVE
MAX	MAXIMUM	W/	WITH
MECH	MECHANICAL	WM	WATER METER
MH	MANHOLE		

CG ENGINEERING
250 4TH AVE. S., SUITE 200
EDMONDS, WASHINGTON 98020
PHONE (425) 778-8500
FAX (425) 778-5536

GREG GUILLEN — STATE OF WASHINGTON — 23380 — REGISTERED PROFESSIONAL ENGINEER

02/01/19

MARK	DATE	DESCRIPTION
	02/01/19	PUBLIC WORKS SUBMITTAL

DESIGN: TAF
DRAWN: ATD
CHECK: JPU
JOB NO: 18340.20
DATE: 02/01/19

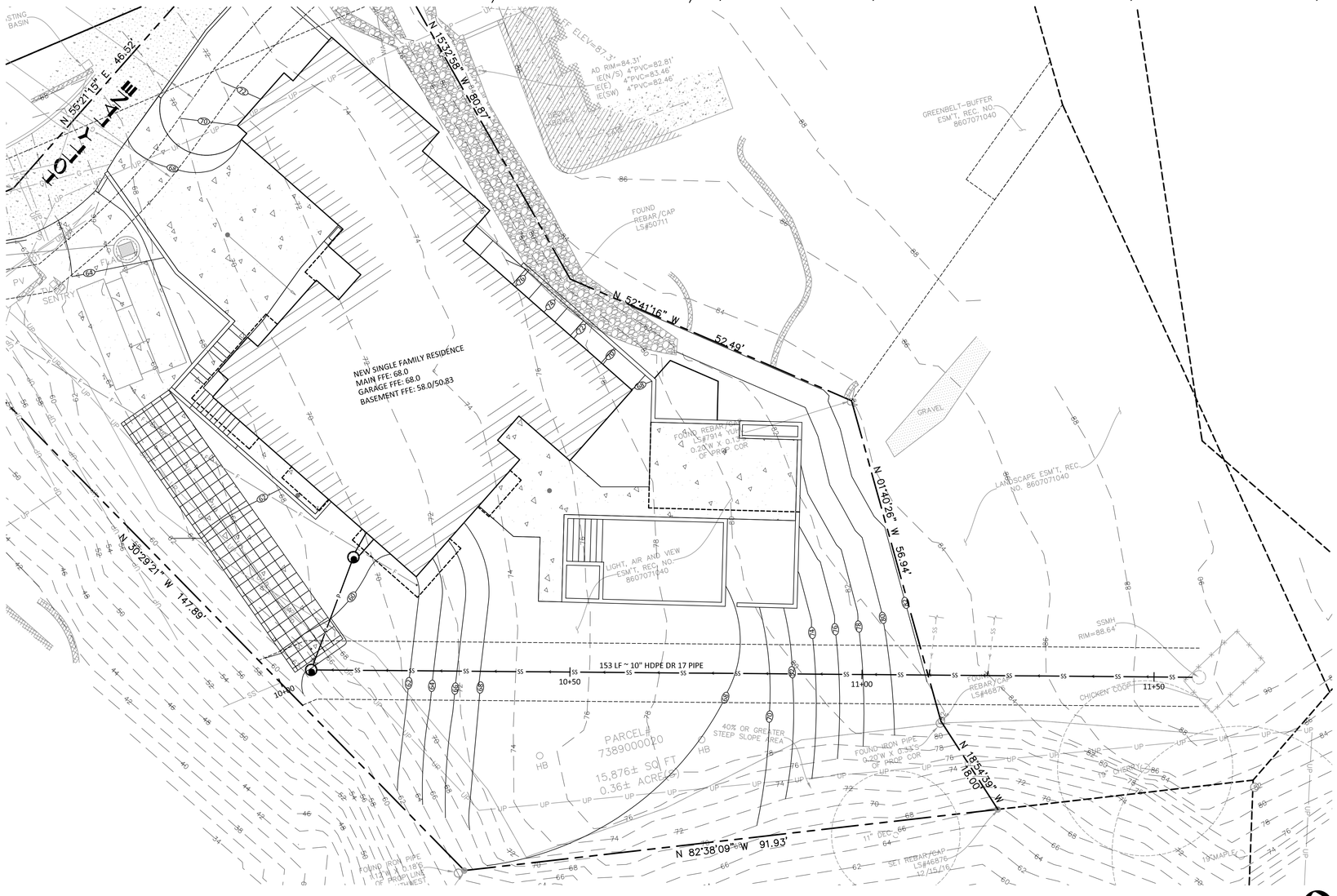
SEWER MAIN REPACEMENT PROJECT
42XX HOLLY LANE
MERCER ISLAND, WA 98040
COVER SHEET AND GENERAL NOTES

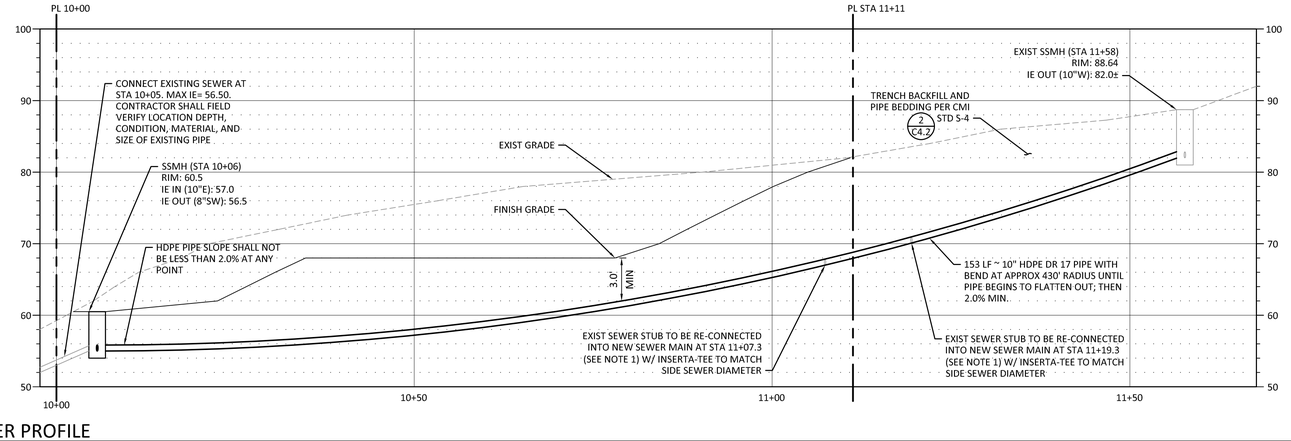
FILE NAME:

SHEET:

SS1.1

SW 1/4 OF THE NE 1/4, SECTION 13, TOWNSHIP 24 NORTH, RANGE 4 EAST, W.M.

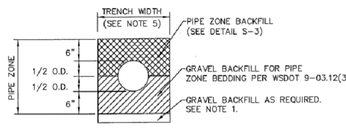




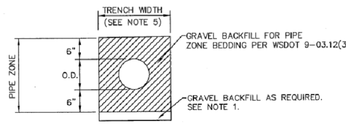
SEWER PROFILE NOTES:
1. EXISTING SEWER STUBS LOCATED BASED ON MERCER ISLAND'S GIS MAP. STUB LOCATIONS WERE GIVEN AS DISTANCES TO UPSTREAM MANHOLE TO BE FIELD VERIFIED BY CONTRACTOR.
2. TEMPORARY SEWER BYPASS SYSTEM TO BE DESIGNED BY CONTRACTOR AND PUBLIC WORKS. PLAN TO BE APPROVED BY CITY ENGINEERING DEPARTMENTS.
3. CONTRACTOR TO COORDINATE SEWER CONSTRUCTION ACTIVITIES WITH ADJACENT PROPERTY OWNER TO THE EAST.
4. CALL CIVIL ENGINEER OF RECORD TO OBSERVE PLACEMENT OF NEW MANHOLE FOR SEWER @ 425-778-8500

1 SEWER PROFILE
SCALE: HORIZ: 1" = 10', VERT: 1" = 10'

BEDDING FOR RIGID PIPE MATERIAL



BEDDING FOR FLEXIBLE PIPE MATERIAL



NOTES
1. EXCAVATE UNSTABLE MATERIAL DOWN TO FIRM SOIL. REPLACE WITH GRAVEL BACKFILL PER WSDOT 9-03.12(3) AS DIRECTED BY THE CITY ENGINEER.
2. PROVIDE UNIFORM SUPPORT UNDER BARREL.
3. HAND TAMP UNDER HAUNCHES.
4. COMPACT BEDDING AND BACKFILL MATERIAL TO 95% MAX. DENSITY EXCEPT DIRECTLY OVER PIPE. HAND TAMP ONLY UNTIL MINIMUM 6" ABOVE TOP OF PIPE.
5. 30" MAXIMUM TRENCH WIDTH FOR PIPE UP TO AND INCLUDING 12", FOR PIPE LARGER THAN 12", USE O.D. PLUS 10".

CITY OF MERCER ISLAND
STANDARD DETAILS
SEWER
PIPE BEDDING

REV	DATE						APPROVED
					6-5-2009	NO SCALE	S-4

2 CITY OF MERCER ISLAND STANDARD DETAIL
SCALE: HORIZ: 1" = 10', VERT: 1" = 10'

ENGINEERING
250 4TH AVE. S., SUITE 200
EDMONDS, WASHINGTON 98020
PHONE (425) 778-8500
FAX (425) 778-5536

GREG GUILLEN — STATE OF WASHINGTON — 23381 REGISTERED PROFESSIONAL ENGINEER

02/01/19

MARK	DATE	DESCRIPTION
	02/01/19	PUBLIC WORKS SUBMITTAL

DESIGN:	TAF
DRAWN:	ATD
CHECK:	JPU
JOB NO:	18340.20
DATE:	02/01/19

SEWER MAIN REPACEMENT PROJECT
42XX HOLLY LANE
MERCER ISLAND, WA 98040

SEWER PROFILE AND DESIGN

FILE NAME:

SHEET:

SS1.2