

CITY OF MERCER ISLAND EAST AND WEST MERCER WAY TRENCHLESS CULVERT REPLACEMENT

CITY OF MERCER ISLAND:
FRED GU, CIP PROJECT MANAGER
206-771-0236

DESIGN CONSULTANTS:
OSBORN CONSULTING, INC.
425-451-4009

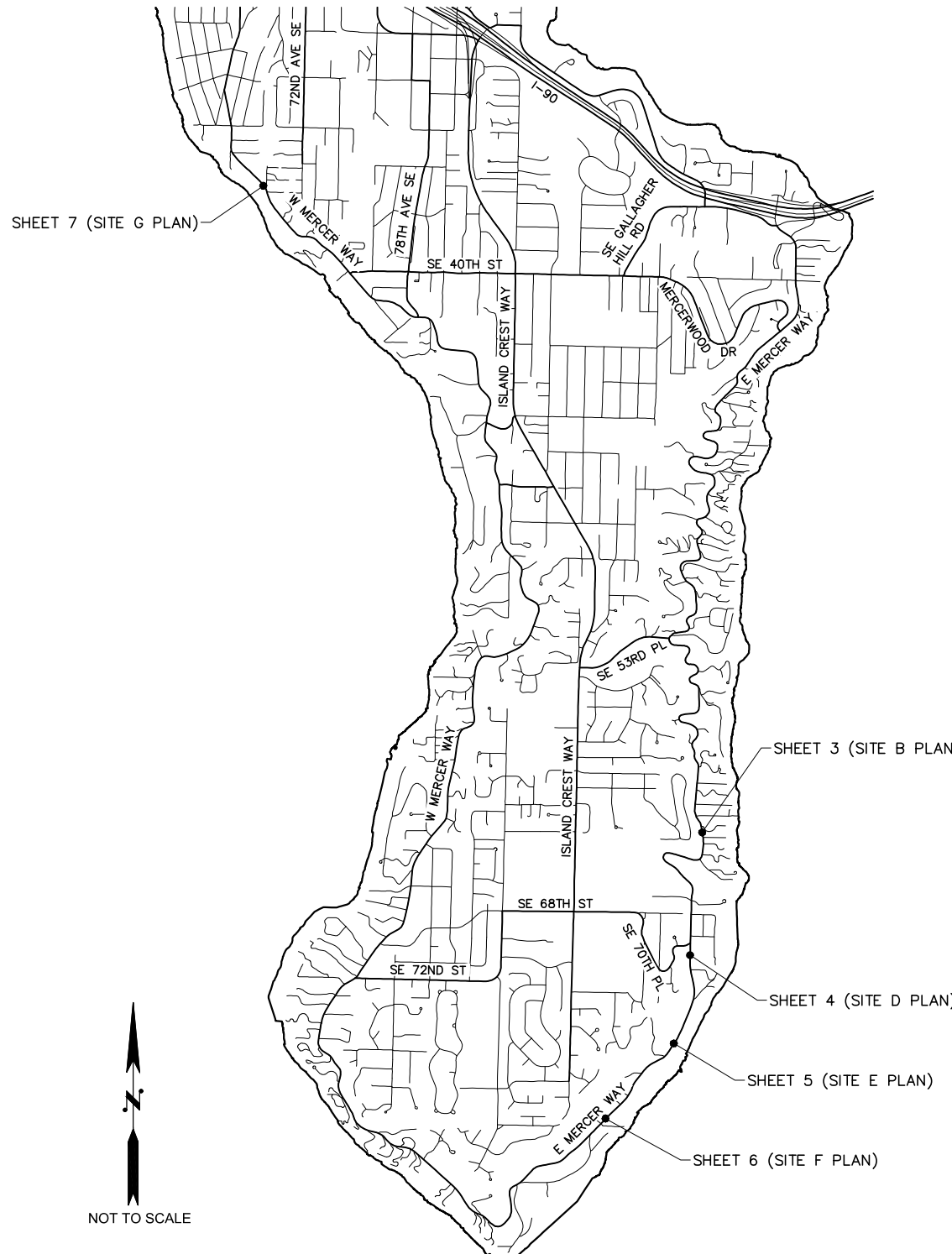
UTILITY CONTACT INFORMATION:

CITY OF MERCER ISLAND UTILITIES
CASEY LEYDE
206-960-0830

COMCAST CABLE
1-800-266-2278
PUSH #2 TO REPORT HIT OR DAMAGED LINE

PUGET SOUND ENERGY (GAS & POWER)
1-888-225-5773

CENTURYLINK
1-800-244-1111
PUSH #2 TO REPORT HIT OR DAMAGED LINE



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8	SITE G PLAN	BY 3545 W MERCER WAY

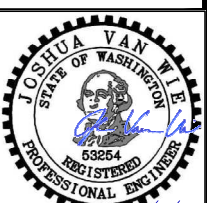
APPROVED FOR CONSTRUCTION

DATE

DATE



Know what's below.
Call before you dig.



FILE NAME: P:\10-210034 CITY OF MERCER ISLAND E MERCER WAY CULVERT REPLACEMENT\3 CADD\SHEETS\VP_10-210034_COVER.DWG
PLOT TIME: 4/5/2022 10:47 AM
USER NAME: BELLA BURZYNSKI

100% SUBMITTAL

DESIGNED BY
C. LIU
DRAWN BY
I. BURZYNSKI
CHECKED BY
M. LO



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NO.	DATE	REVISION	BY

COVER SHEET

**CITY OF MERCER ISLAND
EAST AND WEST MERCER WAY
TRENCHLESS CULVERT
REPLACEMENT**

JOB# / DWG	DATE
10-210034	APR 2022
SCALE	SHEET
H: N/A v: N/A	1 of 7

GENERAL NOTES:

1. THE CONTRACTOR SHALL HAVE THE APPROVED PLANS AND ALL OTHER REQUIRED DOCUMENTS AVAILABLE AT THE JOB SITE.
2. ALL WORK (INCLUDING BUT NOT LIMITED TO CURED-IN-PLACE PIPE INSTALLATION, OPEN CUT RESTORATION AND REPAIR, SLIP LINING, REMOVAL OF STRUCTURE, EXCAVATION, RESTORATION, STAGING, ETC.) SHALL BE LIMITED TO PUBLIC RIGHT-OF-WAY. CONSTRUCTION EASEMENT FOR PRIVATE PROPERTY FOR WORK TO BE PERFORMED WILL NOT BE PROVIDED.
3. ALL WORK SHALL CONFORM TO THESE APPROVED PLANS AND SPECIFICATIONS, 2021 WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, AND FEDERAL AND STATE REQUIREMENTS.
4. ALL INSTALLATION METHODS AND MATERIALS SHALL MEET THE 2021 WSDOT /APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
5. ANY CHANGES FROM THE APPROVED PLANS REQUIRE PRE-APPROVAL FROM THE ENGINEER.
6. THE CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR WORKER SAFETY AND DAMAGE FROM CONSTRUCTION OPERATIONS TO STRUCTURES AND OTHER IMPROVEMENTS. ANY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.
7. NOT ALL UTILITIES ARE SHOWN, ALL EXISTING UTILITIES SHOWN HEREON HAVE BEEN OBTAINED FROM AVAILABLE CITY OF MERCER ISLAND'S GIS DATA AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN, AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. IMMEDIATELY NOTIFY THE CITY ENGINEER IF A CONFLICT EXISTS.
8. THE EXISTING TOPOGRAPHIC AND PHYSICAL FEATURES SHOWN ON THESE PLANS ARE BASED ON THE CITY OF MERCER ISLAND'S GIS DATA. THE CONTRACTOR MAY ENCOUNTER VARIATIONS BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE PLANS. THESE VARIATIONS WILL NOT BE THE BASIS FOR A CLAIM FOR EXTRA COMPENSATION.
9. CAUTION- EXTREME HAZARD-OVERHEAD ELECTRICAL SERVICE LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF ANY HAZARD CREATED BY OVERHEAD ELECTRICAL POWER IN ALL AREAS AND SHALL FOLLOW PROCEDURES DURING CONSTRUCTION AS REQUIRED BY LAW AND REGULATIONS. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL MEET THE UTILITY OWNERS AND DETERMINE THE EXTENT OF HAZARD AND REMEDIAL MEASURES AND SHALL TAKE WHATEVER PRECAUTIONS MAY BE REQUIRED.
10. CITY WILL COORDINATE AND NOTIFY RESIDENTS AND BUSINESSES IN ADVANCE OF ANY WORK AFFECTING ACCESS OR SERVICE AND SHALL MINIMIZE INTERRUPTIONS TO DRIVEWAYS FOR RESIDENTS AND BUSINESSES ADJACENT TO THE PROJECT. CONTRACTOR TO NOTIFY THE CITY AT LEAST THREE (3) WEEKS PRIOR TO COMMENCEMENT OF WORK TO PROVIDE THE CITY TIME TO NOTIFY RESIDENTS AND BUSINESSES.
11. SURVEYING FOR PUBLIC FACILITIES SHALL BE PERFORMED UNDER THE DIRECTION OF A WASHINGTON LICENSED LAND SURVEYOR. VERTICAL DATUM SHALL BE NAVD 88. HORIZONTAL DATUM SHALL BE WASHINGTON STATE (GRID) COORDINATES, NORTH ZONE, USING NAD 83/91 SURVEY CONTROL AND ANY TWO CITY OF MERCER ISLAND HORIZONTAL CONTROL MONUMENTS. FOR PROJECTS WITHIN A FLOOD CONTROL ZONE, THE SURVEYOR SHALL PROVIDE CONVERSION CALCULATIONS TO NAVD 88.
12. REPLACE OR RELOCATE ALL SIGNS, STRIPING, POLES AND OTHER ITEMS IN THE RIGHT-OF-WAY THAT ARE DAMAGED OR REMOVED DURING CONSTRUCTION. USE THERMOPLASTIC ON STOP BARS, CROSSWALKS, AND BICYCLE LANES. ADJUST ALL CASTINGS TO FINISHED GRADE.
13. RETAIN, REPLACE OR RESTORE ALL VEGETATION IN RIGHTS-OF-WAY, EASEMENTS, AND ACCESS TRACTS DISTURBED DURING CONSTRUCTION.
14. DO NOT ALLOW FILL, EXCAVATION, THE STORAGE OF TOOLS, EQUIPMENT, CONSTRUCTION MATERIALS OR STOCKPILE SOIL OR TRAFFIC OR UTILITY CONSTRUCTION INCLUDING IRRIGATION SYSTEMS WITHIN THE DRIP-LINE AREAS OF TREES THAT ARE TO BE RETAINED.
15. ALL LAWN AND VEGETATED AREAS DISTURBED BY CONSTRUCTION EQUIPMENT, VEHICLES OR PERSONNEL SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, AT THE CONTRACTOR'S EXPENSE.
16. THE CONTRACTOR SHALL PREPARE AND SUBMIT TEMPORARY STORMWATER SYSTEM BYPASS PUMPING PLAN. SEE SPECIFICATIONS 7-23 TEMPORARY STORMWATER SYSTEM BYPASS PUMPING FOR DETAILS.
17. NOT USED.
18. THE CONTRACTOR SHALL PREPARE UTILITY PROTECTION PLANS ON AN AS-NEEDED BASIS, INCLUDING BUT NOT EXPRESSLY LIMITED TO PROTECTION PLANS FOR WATER MAINS AND SERVICES WITHIN 5 HORIZONTAL FEET OF TRENCH EXTENT SHOWN FOR SITES B, D, E, AND F.
19. PROTECT EXISTING CURB, GUTTER, SIDEWALK, DRIVEWAYS, AND SHOULDER (PAVED OR GRAVEL) TO REMAIN FROM DAMAGE. CONTRACTOR SHALL REPLACE AT THEIR COST ANY FACILITY TO REMAIN THAT IS DAMAGED AS A RESULT OF CONTRACTORS OPERATIONS.
20. PUBLIC AND PRIVATE DRAINAGE SYSTEMS SHALL BE PROTECTED FROM POLLUTION. NO MATERIAL IS TO BE DISCHARGED TO, OR DEPOSITED IN STORMWATER SYSTEMS THAT MAY RESULT IN VIOLATIONS OF STATE OR FEDERAL WATER QUALITY STANDARDS.
21. THE CONTRACTOR SHALL RESPONSIBLE FOR INSTALLING, MAINTAINING AND REMOVING EROSION AND SEDIMENT CONTROL BMPs TO ENSURE THAT SEDIMENT OR OTHER HAZARDOUS MATERIALS DO NOT ENTER THE STORM DRAINAGE SYSTEM. SUCH BMP SHALL INCLUDE SILT FENCE, FILTER FABRIC PROTECTION OF CATCH BASINS, PROTECTION OF DRAINAGE DITCHES, AND OTHER MEASURES AS REQUIRED. SEE SPECIFICATION 8-01 EROSION CONTROL AND WATER POLLUTION CONTROL FOR DETAIL.
22. DURING CONSTRUCTION, ALL DOWNSTREAM CATCH BASINS OR DRAINAGE DITCHES MUST BE PROTECTED FROM CONSTRUCTION ACTIVITY. AFTER CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP) INSTALLED.
23. CONTRACTOR SHALL SUBMIT SITE-SPECIFIC TRAFFIC CONTROL PLANS FOR APPROVAL BY CITY ENGINEER.
24. PIPE SEGMENT REFERENCE NUMBER NOTES ON THE PLAN SHEETS REFER TO PREVIOUS VIDEO INSPECTIONS CONDUCTED ON THE PIPE RUN DURING THE BASIN PLANNING WORK. ASSET AND/OR CATCH BASIN ID NUMBER IS THE IDENTIFICATION ASSIGNED IN THE CITY'S GIS SYSTEM.

25. CONTRACTOR SHALL REVIEW ALL VIDEOS AND REPORTS OF PREVIOUSLY CONDUCTED PIPE INSPECTION PROVIDED IN THE BID PACKAGE PRIOR TO BIDDING WORK. REFER TO CITY WEBSITE: <https://chgis1.mercergov.org/Html5Viewer/Index.html?viewer=PubMaps&viewer=PubMaps>

CURED-IN-PLACE PIPE (CIPP) NOTES

1. AFTER CIPP LINER HAS CURED, CONTRACTOR IS RESPONSIBLE TO REMOVE ANY REMOVE CHEMICAL RESIDUES FROM CIPP LINER SEE NOTE #2 BELOW.
2. NO CONTAMINANTS, CURE WATER, CURING STEAM CONDENSATION, WASH WATER, OR WASTES SHALL BE DISPOSED OF INTO THE CITY'S STORM DRAINAGE SYSTEM. THE CONTRACTOR SHALL COLLECT AND PROPERLY DISPOSE OF THESE MATERIALS TO OFF-SITE FACILITIES OR IF THE CONTAMINANTS ARE ALLOWED BY KING COUNTY WASTEWATER TREATMENT DIVISION, OBTAIN COMMERCIAL (NON-RESIDENTIAL) SEWER USE CERTIFICATION TO DISCHARGE CONTAMINANTS TO SANITARY SEWER SYSTEM.
3. AFTER CIPP LINER HAS CURED OR SLIP LINER HAS BEEN INSTALLED, THE CONTRACTOR SHALL CUT OUT AND REMOVE LINER WITHIN STRUCTURES AND INSTALL A WATER TIGHT SEAL BETWEEN LINER PIPE AND STRUCTURE WALL.
4. ALL RESTORATION SHALL MEET REQUIREMENTS OF THE ENGINEER. THE COST FOR REMOVAL AND RESTORATION OF THE ABOVE ITEMS SHALL BE INCLUDED IN THE UNIT COST OF THE LINER PIPE.
5. IN THE EVENT OF A SPILL, CONTRACTOR SHALL IMMEDIATELY CONTACT THE CITY OF MERCER ISLAND'S PUBLIC WORKS DEPARTMENT AT 206-275-7608 DURING REGULAR BUSINESS HOURS (8AM TO 5PM), OR 425-577-5656 AFTER HOURS. AND THEN CALL DEPARTMENT OF ECOLOGY SPILL RESPONSE HOTLINE AT 800-424-8802. ENGINEER NEEDS TO BE NOTIFIED IMMEDIATELY AS WELL.
6. WHEN A DITCH IS LOCATED AT THE UPSTREAM AND/OR DOWNSTREAM END OF A PROPOSED CIPP INSTALLATION, THEN PRIOR TO INSTALLATION OF THE CIPP, THE CONTRACTOR SHALL INSTALL A LINED TRAP/SUMP IN THE DITCH TO PREVENT CONTAMINANTS, CURE WATER, CURING STEAM CONDENSATION WASH WATER, OR WASTES FROM ENTERING THE STORM DRAINAGE SYSTEM. THE IMPERMEABLE BERM SHALL BE INSTALLED TO CONTAIN CONTAMINANTS, CURE WATER, CURING STEAM CONDENSATION, WASH WATER, OR WASTE FOR THE CONTRACTOR'S REMOVAL AND DISPOSAL.

TEMPORARY BYPASS NOTES

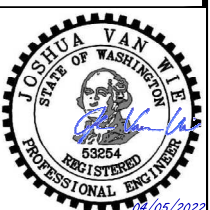
1. LOCATIONS OF EXISTING UTILITIES SHOWN INCLUDING STORM DRAINAGE SYSTEM ARE FROM THE CITY OF MERCER ISLAND GIS DATA AND ARE PROVIDED FOR USE IN PREPARING TEMPORARY BYPASS PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL FIELD CONDITIONS PRIOR TO SUBMITTING THE TEMPORARY BYPASS PLAN.
2. TEMPORARY BYPASS PUMPS AND PIPING SHALL BE SIZED FOR CONVEYING MAXIMUM FLOWS THROUGH THE PIPE BEING REPAIRED/REPLACED.
3. A MINIMUM OF ONE (1) STANDBY PUMP SHALL BE PROVIDED. DIESEL GENERATORS OR DIESEL-DRIVEN PUMPS SHALL BE EQUIPPED WITH CONTAINMENT TO PREVENT OIL AND/OR FUEL SPILLS.
4. STORMWATER FLOWS SHALL BE DIVERTED TO THE DOWNSTREAM PORTION OF THE PROJECT.

TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) NOTES

1. EROSION, SEDIMENT AND POLLUTION CONTROL IS REQUIRED FOR THIS PROJECT.
2. THE EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP) SHOWN ON THESE PLANS ARE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE AND SEASONAL CONDITIONS. UPGRADE THESE BMP TO ADDRESS CHANGING WORK OR WEATHER CONDITIONS.
3. INSTALL, MONITOR, REPLACE AND UPGRADE ALL EROSION AND SEDIMENT CONTROL BMP, PERFORM MAINTENANCE TO ENSURE THEIR CONTINUED FUNCTIONING.
4. PROTECT ALL FUNCTIONING STORM DRAINAGE STRUCTURES AND DRAINAGE DITCHES FROM RECEIVING UNFILTERED SEDIMENT LADEN WATER FROM CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL MONITOR DOWNSTREAM DRAINAGE STRUCTURES AND DRAINAGE DITCHES AND INSTALL EROSION AND SEDIMENT CONTROL BMP INCLUDING FILTER FABRIC PROTECTION FOR CATCH BASINS.
6. REFER TO WSDOT STANDARD PLAN I-40.20-00 FOR STORM DRAIN INLET PROTECTION, AND WSDOT STANDARD PLAN I-30.30-02 FOR WATTLE INSTALLATION.
7. NO VISIBLE AND MEASURABLE SEDIMENT OR POLLUTANT SHALL BE DISCHARGED FROM SITE, ENTER A PUBLIC RIGHT-OF-WAY, PRIVATE DRIVEWAYS OR PROPERTIES OR BE DEPOSITED INTO ANY WATER BODY OR STORM DRAINAGE SYSTEM.
8. PRIOR TO LEAVING A SITE AT THE END OF THE DAY OR COMPLETING WORK ON A SITE, THE CONTRACTOR SHALL STABILIZE ALL SOILS EXPOSED AS A RESULT OF THE CONTRACTOR'S OPERATIONS.
9. ENSURE ALL CHEMICAL OR HAZARDOUS MATERIALS ARE CONTAINED AND HANDLED APPROPRIATELY. NO CHEMICAL OR HAZARDOUS MATERIAL SHALL BE DISCHARGED TO THE STORM DRAIN SYSTEM.
10. REMOVE ALL EROSION AND SEDIMENT CONTROL BMP AFTER THE PROJECT IS COMPLETED AND ACCEPTED BY THE CITY ENGINEER.

TRAFFIC CONTROL NOTES

1. CONTRACTOR MUST SUBMIT TRAFFIC CONTROL PLANS AND OBTAIN RIGHT-OF-WAY USE PERMIT IN ORDER TO IMPLEMENT TRAFFIC CONTROL ON ANY ARTERIAL A MINIMUM OF FOURTEEN (14) CALENDAR DAYS PRIOR TO BEGINNING ANY WORK ON ANY ARTERIAL.
2. THE EXPENSE AND TIME DELAY IN RECEIVING APPROVAL IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE MADE BY CITY OF MERCER ISLAND.



FILE NAME: P:\10-210034 CITY OF MERCER ISLAND E MERCER WAY CULVERT REPLACEMENT\3_CADD\SHEETS\VP_10-210034_NOTES AND LEGND.DWG
PLOT TIME: 4/5/2022 10:56 AM
USER NAME: BELLA BURZYNSKI

100% SUBMITTAL

DESIGNED BY C. LIU	
DRAWN BY I. BURZYNSKI	
CHECKED BY M. LO	

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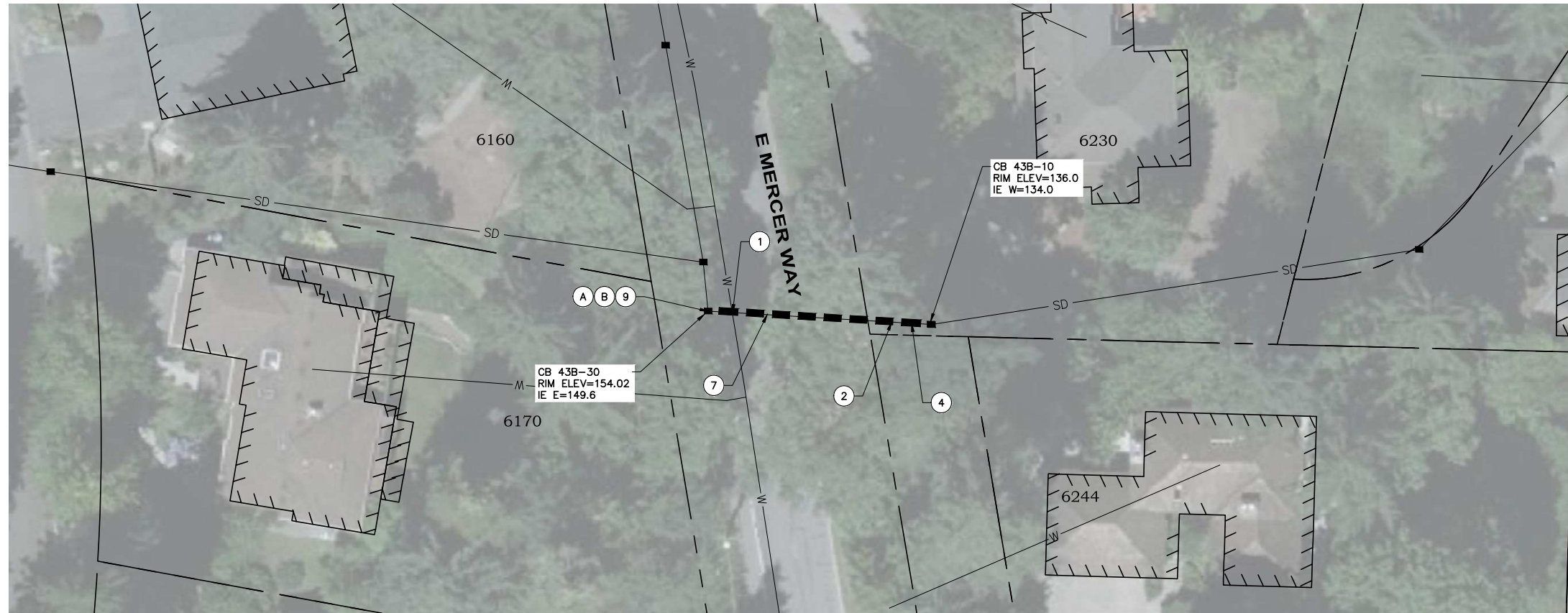
NO.	DATE	REVISION	BY

GENERAL NOTES

**CITY OF MERCER ISLAND
EAST AND WEST MERCER WAY
TRENCHLESS CULVERT
REPLACEMENT**

JOB# / DWG 10-210034	DATE APR 2022
SCALE H: N/A V: N/A	SHEET 2 of 7

FILE NAME: P:\10-210034 CITY OF MERCER ISLAND E MERCER WAY CULVERT REPLACEMENT\3 CADD\SHEETS\VP_10-210034_SITE B.DWG
 PLOT TIME: 4/5/2022 10:50 AM
 USER NAME: BELLA BURZYNSKI



LEGEND

- STORM DRAIN TYPE 1 CB
- ▣ STORM DRAIN TYPE 2 CB
- ⊞ EXISTING WATER METER
- ⊕ EXISTING FIRE HYDRANT
- PROPERTY LINE
- * * * * * SILT FENCE OR STRAW WATTLES
- SD EXISTING STORM DRAIN
- W EXISTING WATER
- EXISTING DITCH
- ⌒ EXISTING CULVERT END
- EXISTING PIPE TO BE LINED WITH CIPP

GENERAL NOTES:

1. NOT ALL UTILITIES ARE SHOWN. SHOWN UTILITIES ARE APPROXIMATE BASED UPON GIS AND ARE NOT LOCATED OR SURVEYED. CONTRACTOR TO VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN.

REPAIR NOTES:

- A. CIPP WITH BLIND SHOT FROM CB 43B-30. INSTALL APPROX. 67 LF OF CIPP. EXISTING PIPE CONSISTS OF 12-IN CLAY-LINED CONCRETE STORM DRAIN PIPE, 12-IN CONCRETE STORM DRAIN PIPE, AND 12-IN CMP STORM DRAIN PIPE.
- B. CLEANING OF CIPP LINER PER SPECIAL PROVISIONS 7-20.3(1).

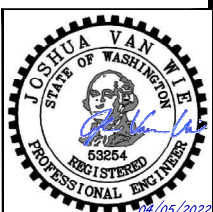
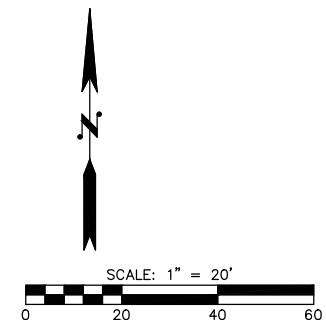
CONSTRUCTION KEY NOTES:

1. CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.
2. CONTRACTOR SHALL PROTECT TRUNK, CANOPY, AND ROOTS OF EXISTING TREES/SHRUBS. TREE BRANCHES MAY BE TRIMMED WHERE NECESSARY TO ALLOW FOR VEHICULAR ACCESS AFTER CONSULTATION WITH CITY ENGINEER AND PROPERTY OWNER. IF EXCAVATION IS REQUIRED WITHIN DRIPLINE (CRZ), ONLY HAND EXCAVATION WILL BE PERMITTED.
3. PROTECT EXISTING CURB, GUTTER, SIDEWALK, AND DRIVEWAYS TO REMAIN FROM DAMAGE.
4. CONTRACTOR SHALL PROTECT EXISTING LANDSCAPING, VEGETATION, TREES, AND/OR SHRUBS.
5. CONTRACTOR SHALL PROTECT EXISTING WALL/ROCKERY/FENCE FROM DAMAGE.
6. CONTRACTOR SHALL PROTECT/SUPPORT/RESTORE SIGN AND/OR MAILBOX DURING CONSTRUCTION.
7. PROPOSED WORK IS ON A CITY OF MERCER ISLAND MAJOR STREET. REFER TO TRAFFIC CONTROL NOTES ON SHEET 2.
8. INSTALL DITCH PROTECTION MEASURES. REFER TO CURED-IN-PLACE (CIPP) NOTES ON SHEET 2.
9. LINING WORK SHALL BE PERFORMED FROM CB 43B-30 WITH BLIND SHOT. THE CITY DOES NOT HAVE RIGHT-OF-ENTRY ACCESS TO THE DOWNSTREAM OUTLET, AND HENCE ACCESS TO THE DOWNSTREAM OUTLET IS NOT PERMITTED AT ANY TIME.



REPAIR PHOTO - FACING SOUTHEAST

NOT TO SCALE



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DESIGNED BY C. LIU
DRAWN BY I. BURZYNSKI
CHECKED BY M. LO



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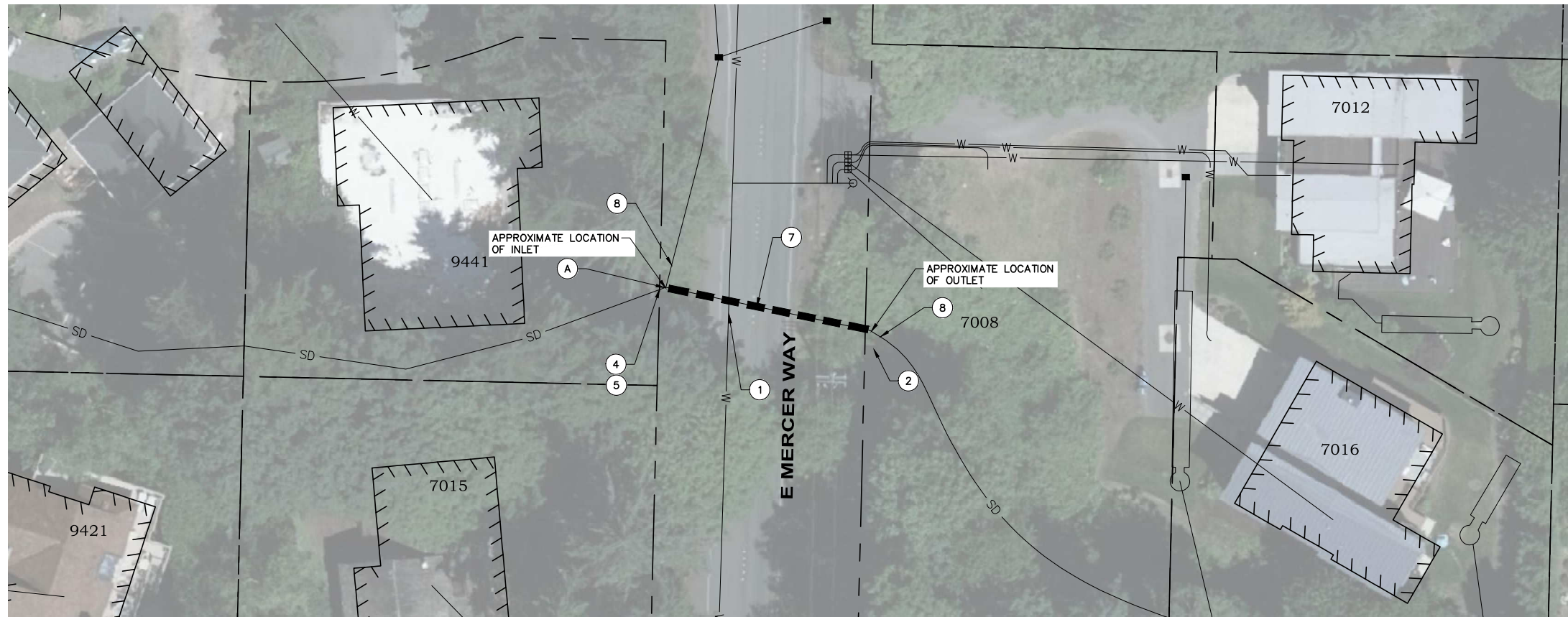
NO.	DATE	REVISION	BY

SITE B
BY 6230 E MERCER WAY

CITY OF MERCER ISLAND
EAST AND WEST MERCER WAY
TRENCHLESS CULVERT
REPLACEMENT

JOB# / DWG 10-210034	DATE APR 2022
SCALE H: 1"=20' V: N/A	SHEET 3 of 7

FILE NAME: P:\10-210034 CITY OF MERCER ISLAND E MERCER WAY CULVERT REPLACEMENT\3_CADD\SHEETS\10-210034_SITE D.DWG
 PLOT TIME: 4/5/2022 10:51 AM
 USER NAME: BELLA BURZYNSKI



LEGEND

- STORM DRAIN TYPE 1 CB
- ⊙ STORM DRAIN TYPE 2 CB
- ⊕ EXISTING WATER METER
- ⊗ EXISTING FIRE HYDRANT
- PROPERTY LINE
- * * * * * SILT FENCE OR STRAW WATTLES
- SD EXISTING STORM DRAIN
- W EXISTING WATER
- EXISTING DITCH
- EXISTING CULVERT END
- EXISTING PIPE TO BE LINED WITH CIPP

GENERAL NOTES:

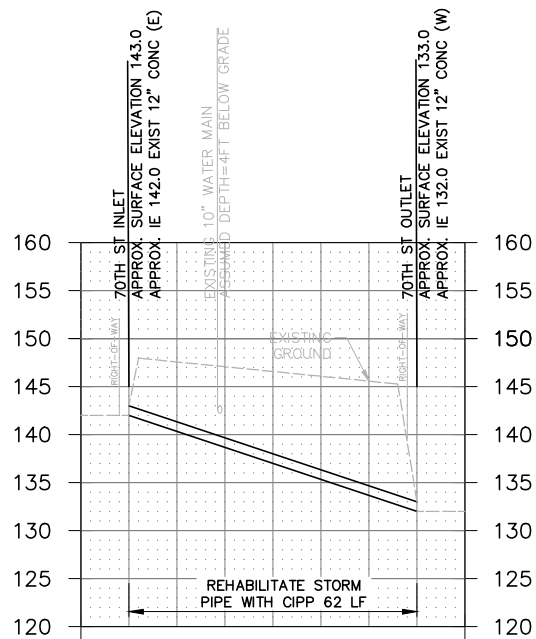
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REPAIR NOTES:

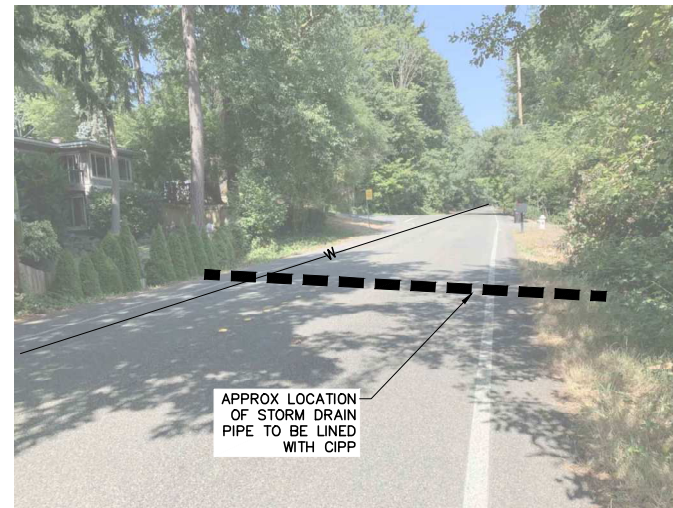
- A. FROM THE INLET, INSTALL APPROX. 62 LF OF 12-IN CIPP EXISTING CLAY-LINED CONCRETE STORM DRAIN PIPE.

CONSTRUCTION KEY NOTES:

1. CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.
2. CONTRACTOR SHALL PROTECT TRUNK, CANOPY, AND ROOTS OF EXISTING TREES/SHRUBS. TREE BRANCHES MAY BE TRIMMED WHERE NECESSARY TO ALLOW FOR VEHICULAR ACCESS AFTER CONSULTATION WITH CITY ENGINEER AND PROPERTY OWNER. IF EXCAVATION IS REQUIRED WITHIN DRIPLINE (CRZ), ONLY HAND EXCAVATION WILL BE PERMITTED.
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8. INSTALL DITCH PROTECTION MEASURES. REFER TO CURED-IN-PLACE (CIPP) NOTES ON SHEET 2.



PROFILE



REPAIR PHOTO - FACING NORTH

NOT TO SCALE

N

SCALE: 1" = 20'

100% SUBMITTAL

DESIGNED BY
C. LIU

DRAWN BY
I. BURZYNSKI

CHECKED BY
M. LO

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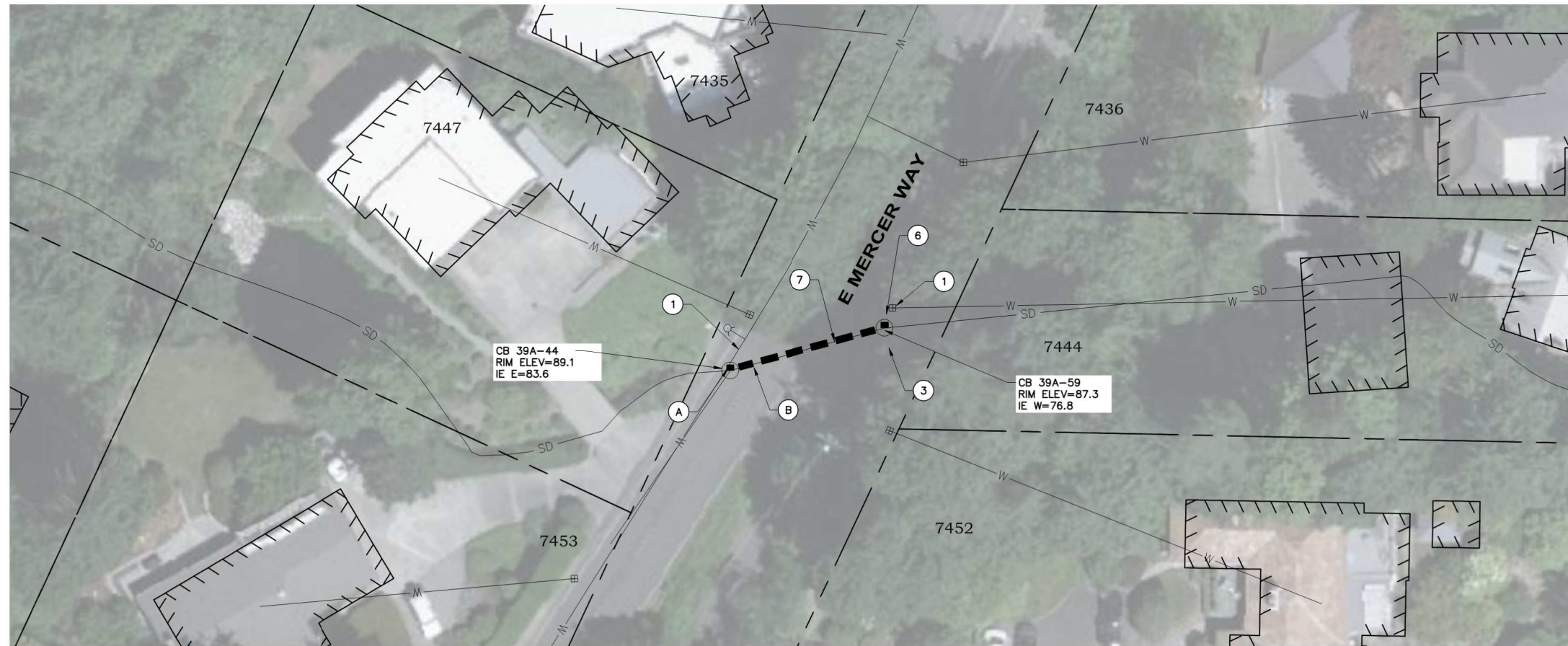
NO.	DATE	REVISION	BY

SITE D
BY 7008 E MERCER WAY

CITY OF MERCER ISLAND
EAST AND WEST MERCER WAY
TRENCHLESS CULVERT
REPLACEMENT

JOB# / DWG	DATE
10-210034	APR 2022
SCALE	SHEET
H: 1"=20' V: N/A	4 of 7

FILE NAME: P:\10-210034 CITY OF MERCER ISLAND E MERCER WAY CULVERT REPLACEMENT\3 CADD\SHEETS\10-210034_SITE E.DWG
 PLOT TIME: 4/5/2022 10:52 AM
 USER NAME: BELLA BURZYNSKI



LEGEND

- STORM DRAIN TYPE 1 CB
- STORM DRAIN TYPE 2 CB
- ⊞ EXISTING WATER METER
- ⊞ EXISTING FIRE HYDRANT
- PROPERTY LINE
- * * * * * SILT FENCE OR STRAW WATTLES
- SD EXISTING STORM DRAIN
- W EXISTING WATER
- EXISTING DITCH
- EXISTING CULVERT END
- EXISTING PIPE TO BE LINED WITH CIPP

GENERAL NOTES:

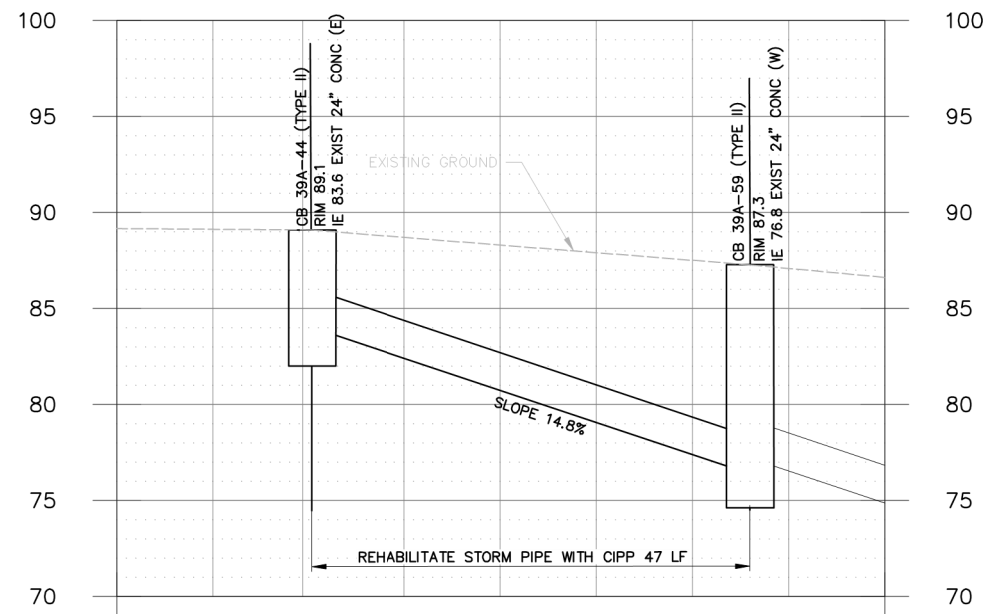
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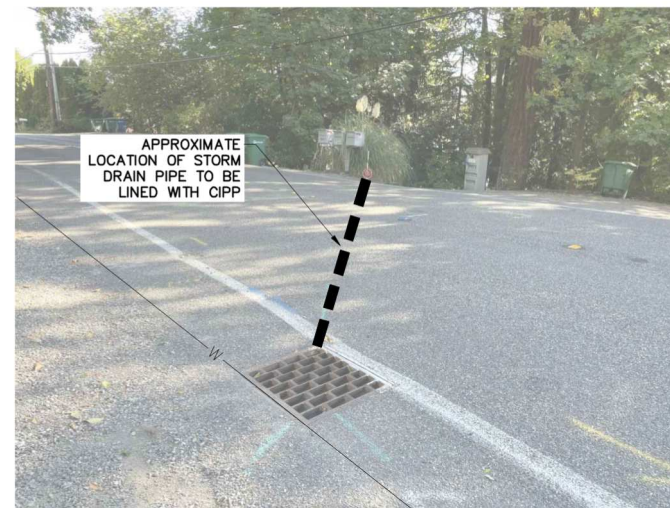
- A. FROM CB 39A-44, INSTALL APPROX. 47 LF OF 24-IN CIPP EXISTING CONCRETE STORM DRAIN PIPE.
- B. INSTALL REINFORCED PRE-LINER 4.9 FT DOWNSTREAM OF CB 39A-44 PRIOR TO CIPP INSTALLATION (PIPE WALL MISSING WITH BRICKS REPAIR AT THE JOINT).

CONSTRUCTION KEY NOTES:

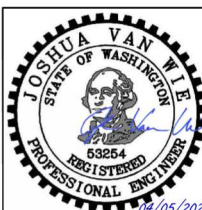
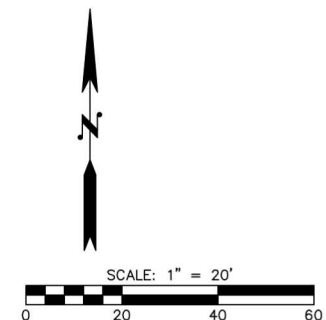
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2. CONTRACTOR SHALL PROTECT TRUNK, CANOPY, AND ROOTS OF EXISTING TREES/SHRUBS. TREE BRANCHES MAY BE TRIMMED WHERE NECESSARY TO ALLOW FOR VEHICULAR ACCESS AFTER CONSULTATION WITH CITY ENGINEER AND PROPERTY OWNER. IF EXCAVATION IS REQUIRED WITHIN DRIPLINE (CRZ), ONLY HAND EXCAVATION WILL BE PERMITTED.
3. PROTECT EXISTING CURB, GUTTER, SIDEWALK, AND DRIVEWAYS TO REMAIN FROM DAMAGE.
4. CONTRACTOR SHALL PROTECT EXISTING LANDSCAPING, VEGETATION, TREES, AND/OR SHRUBS.
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7. PROPOSED WORK IS ON A CITY OF MERCER ISLAND MAJOR STREET. REFER TO TRAFFIC CONTROL NOTES ON SHEET 2.
8. INSTALL DITCH PROTECTION MEASURES. REFER TO CURED-IN-PLACE (CIPP) NOTES ON SHEET 2.



PROFILE



REPAIR PHOTO - FACING NORTHEAST
NOT TO SCALE



100% SUBMITTAL

DESIGNED BY
C. LIU
 DRAWN BY
I. BURZYNSKI
 CHECKED BY
M. LO



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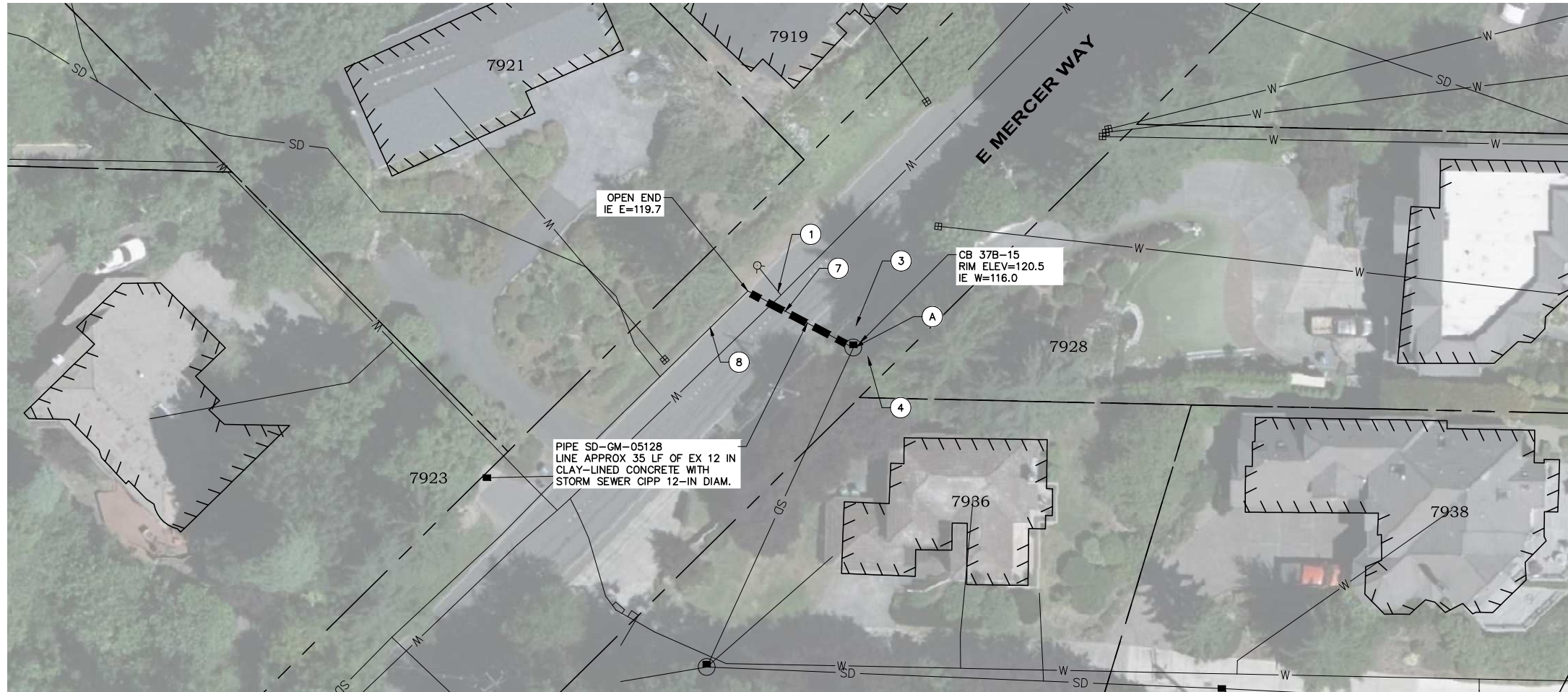
NO.	DATE	REVISION	BY

SITE E
BY 7444 E MERCER WAY

CITY OF MERCER ISLAND
EAST AND WEST MERCER WAY
TRENCHLESS CULVERT
REPLACEMENT

JOB# / DWG	DATE
10-210034	APR 2022
SCALE	SHEET
H: 1"=20' V: N/A	5 of 7

FILE NAME: P:\10-210034 CITY OF MERCER ISLAND E MERCER WAY CULVERT REPLACEMENT\3 CADD\SHEETS\VP_10-210034_SITE_F.DWG
 PLOT TIME: 4/5/2022 10:53 AM
 USER NAME: BELLA BURZYNSKI



LEGEND

- STORM DRAIN TYPE 1 CB
- ⊙ STORM DRAIN TYPE 2 CB
- ⊕ EXISTING WATER METER
- ⊕ EXISTING FIRE HYDRANT
- — — — — PROPERTY LINE
- * * * * * SILT FENCE OR STRAW WATTLES
- SD — — — — — EXISTING STORM DRAIN
- W — — — — — EXISTING WATER
- — — — — EXISTING DITCH
- — — — — EXISTING CULVERT END
- — — — — EXISTING PIPE TO BE LINED WITH CIPP

GENERAL NOTES:

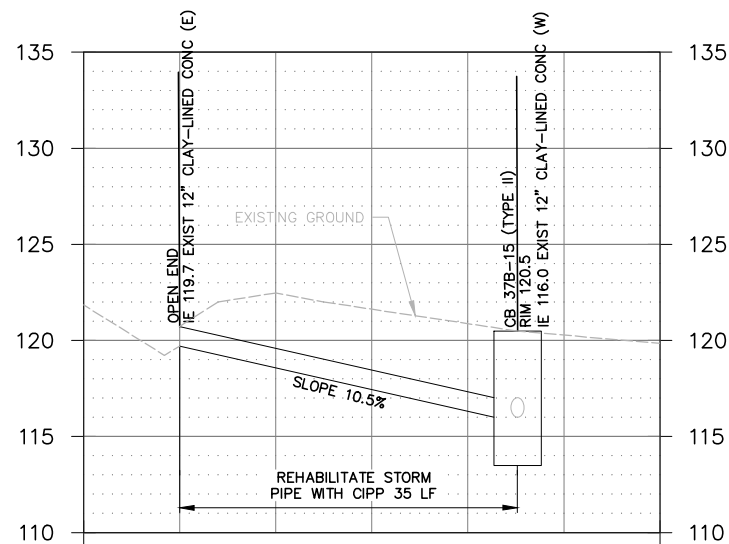
1. NOT ALL UTILITIES ARE SHOWN. SHOWN UTILITIES ARE APPROXIMATE BASED UPON GIS AND ARE NOT LOCATED OR SURVEYED. CONTRACTOR TO VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN.

REPAIR NOTES:

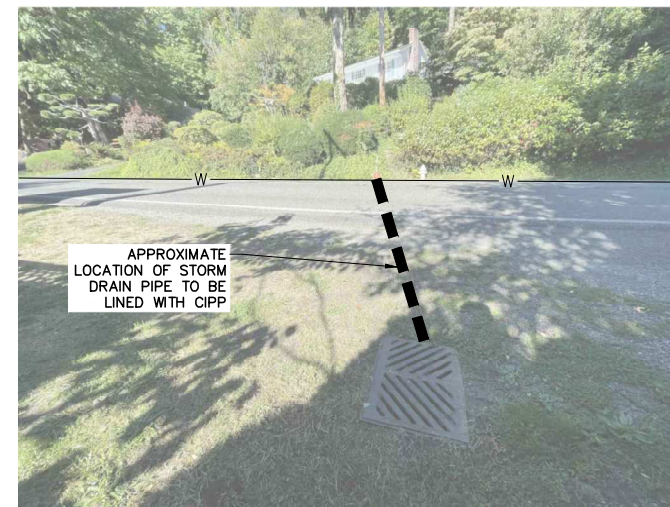
- A. FROM CB 37B-15 INSTALL APPROX. 35 LF OF 12-IN CIPP EXISTING CLAY-LINED CONCRETE STORM DRAIN PIPE.

CONSTRUCTION KEY NOTES:

1. CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.
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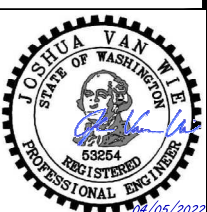
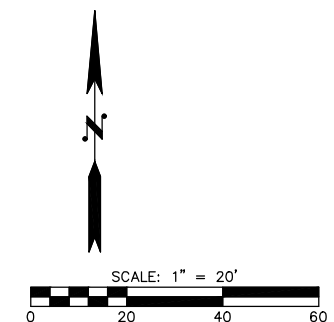


PROFILE



REPAIR PHOTO - FACING NORTHWEST

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C. LIU

DRAWN BY
I. BURZYNSKI

CHECKED BY
M. LO

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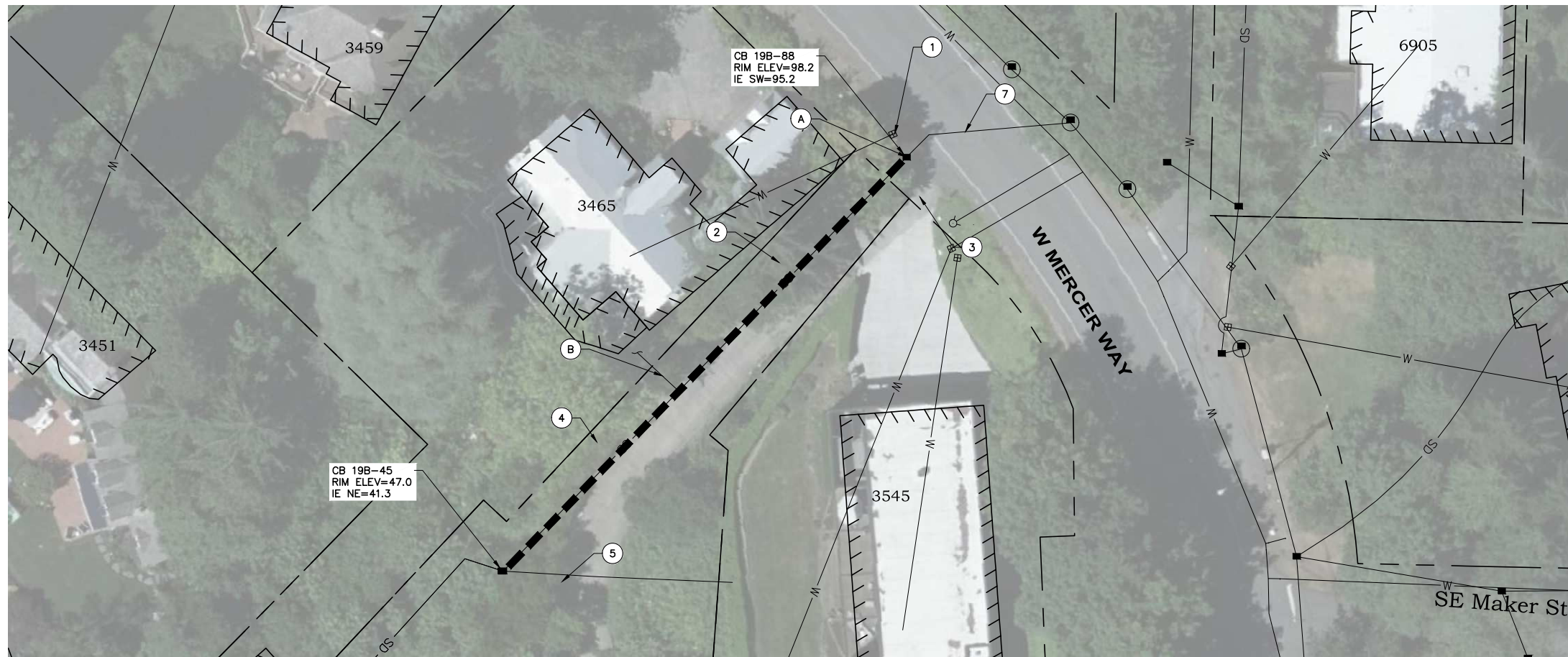
NO.	DATE	REVISION	BY

SITE F
BY 7928 E MERCER WAY

CITY OF MERCER ISLAND
EAST AND WEST MERCER WAY
TRENCHLESS CULVERT
REPLACEMENT

JOB# / DWG	DATE
10-210034	APR 2022
SCALE	SHEET
H: 1"=20' V: N/A	6 of 7

FILE NAME: P:\10-210034 CITY OF MERCER ISLAND E MERCER WAY CULVERT REPLACEMENT\3 CADD\SHEETS\10-210034_SITE 6.DWG
 PLOT TIME: 4/5/2022 10:54 AM
 USER NAME: BELLA BURZYNSKI



LEGEND

- STORM DRAIN TYPE 1 CB
- STORM DRAIN TYPE 2 CB
- ⊕ EXISTING WATER METER
- ⊕ EXISTING FIRE HYDRANT
- — — — — PROPERTY LINE
- * * * * * SILT FENCE OR STRAW WATTLES
- SD — — — — — EXISTING STORM DRAIN
- W — — — — — EXISTING WATER
- — — — — EXISTING DITCH
- — — — — EXISTING CULVERT END
- — — — — EXISTING PIPE TO BE LINED WITH CIPP

GENERAL NOTES:

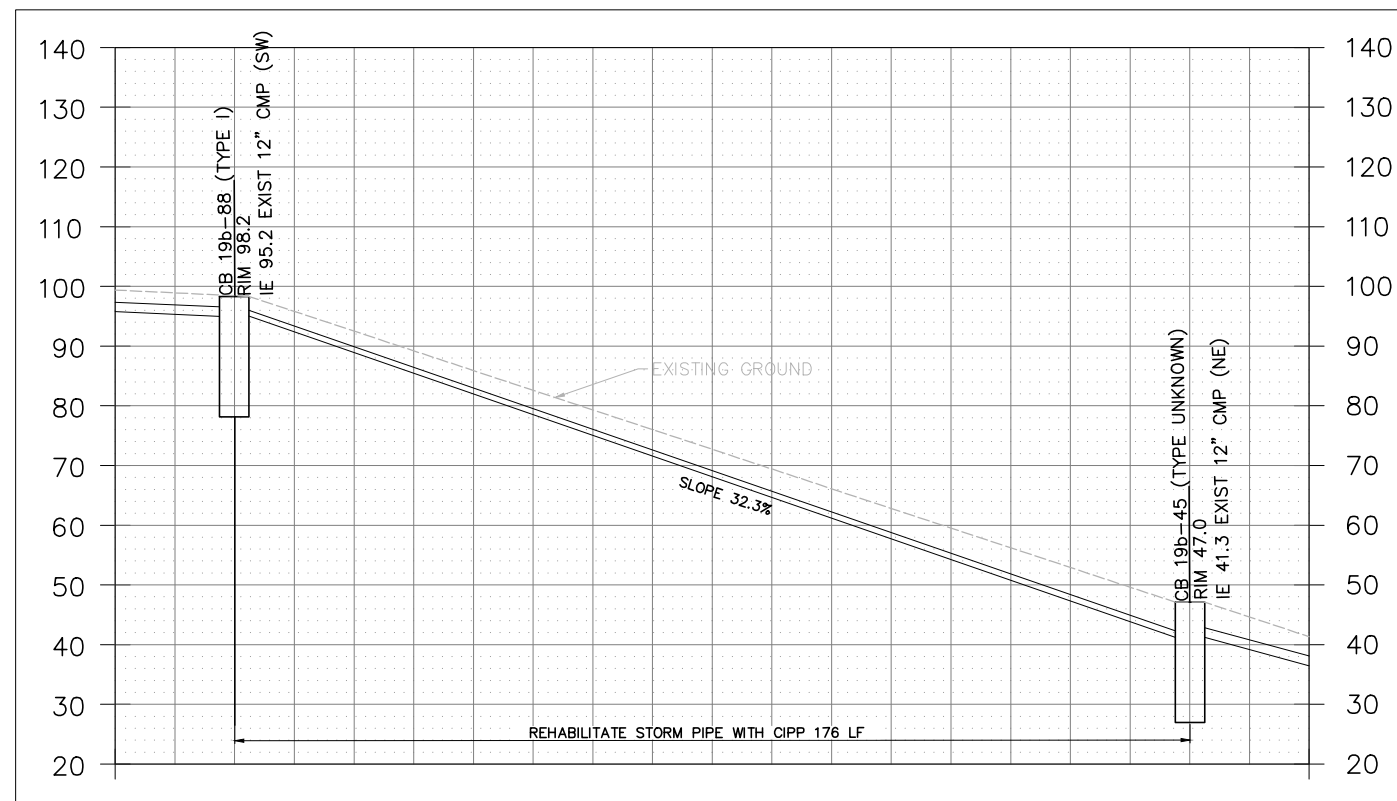
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REPAIR NOTES:

- A. FROM CB 19B-88, INSTALL APPROX. 176 LF OF 12-IN CIPP EXISTING CMP STORM DRAIN PIPE.
- B. CLEAN AND REMOVE ROOTS IN THE UNKNOWN LATERAL LOCATED APPROX. 94.3 FT DOWNSTREAM OF CB 19B-88. LATERAL PIPE LOCATION SHOWN IS BASED ON PREVIOUS CCTV INSPECTION, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LATERAL LOCATION IN THE FIELD. THE COST OF THE LATERAL PIPE CLEANING AND ROOTS REMOVALS WILL BE INCLUDED IN THE COST OF CIPP INSTALLATION. SEE SECTION 7-20.3(1).

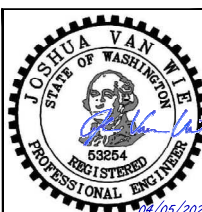
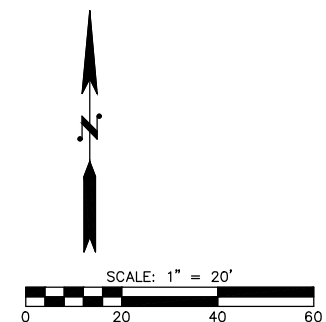
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REPAIR PHOTO - FACING SOUTHWEST

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NO.	DATE	REVISION	BY

SITE G
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