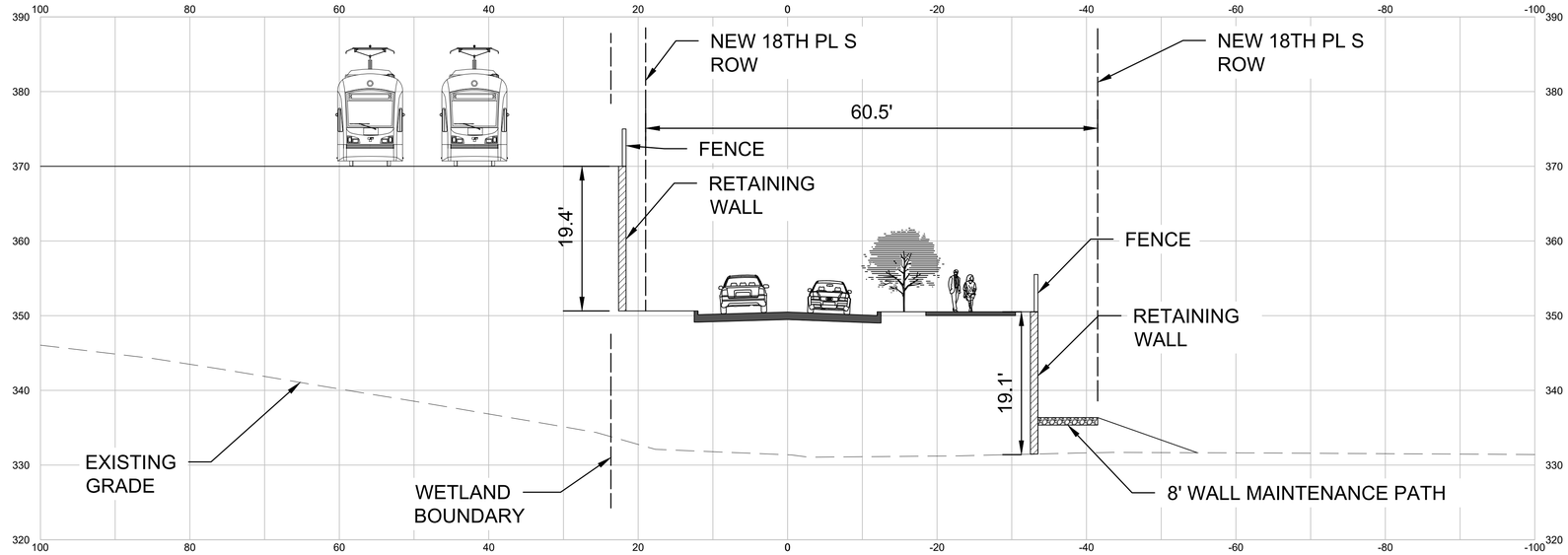
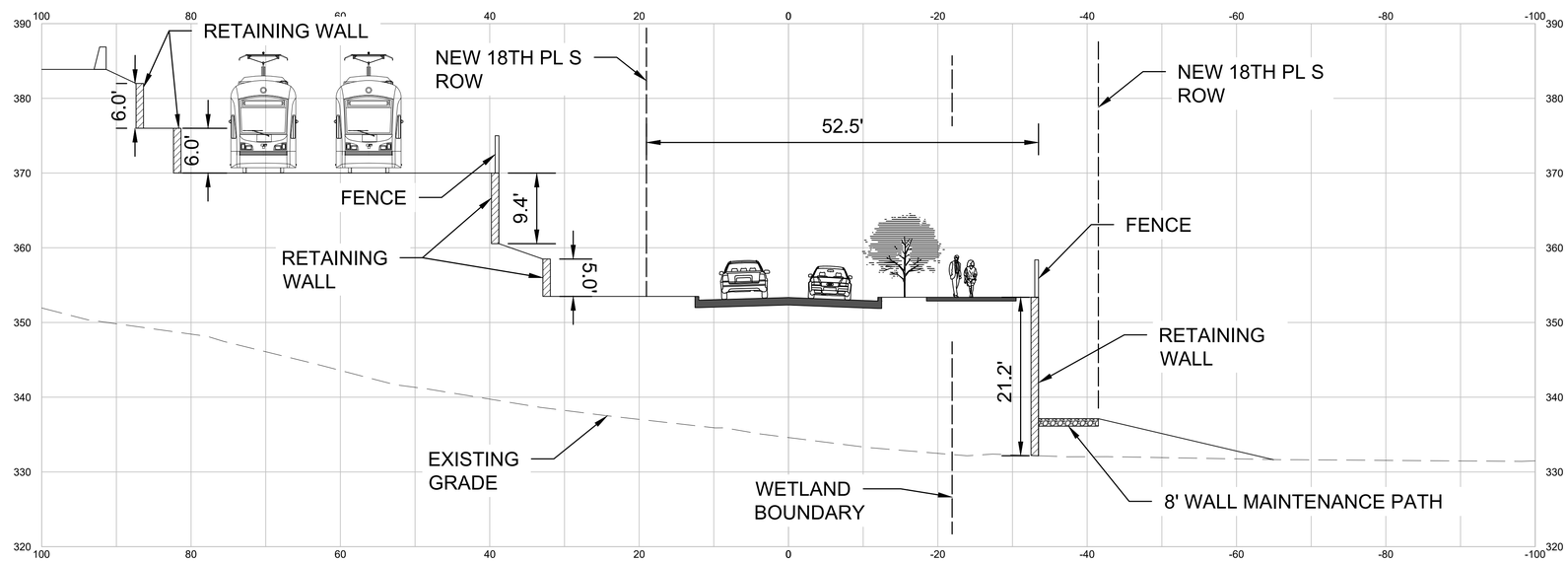


18TH PL S EXTENSION (A)



18TH PL S EXTENSION (B)

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: K. MCDONALD
DRAWN BY: J. LUM
CHECKED BY: P. LOPEZ-HILFIKER
APPROVED BY: P. LOPEZ-HILFIKER

PRELIMINARY — KENNETH EUGENE MCDONALD JR. — STATE OF WASHINGTON — 21919073 — REGISTERED PROFESSIONAL ENGINEER

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

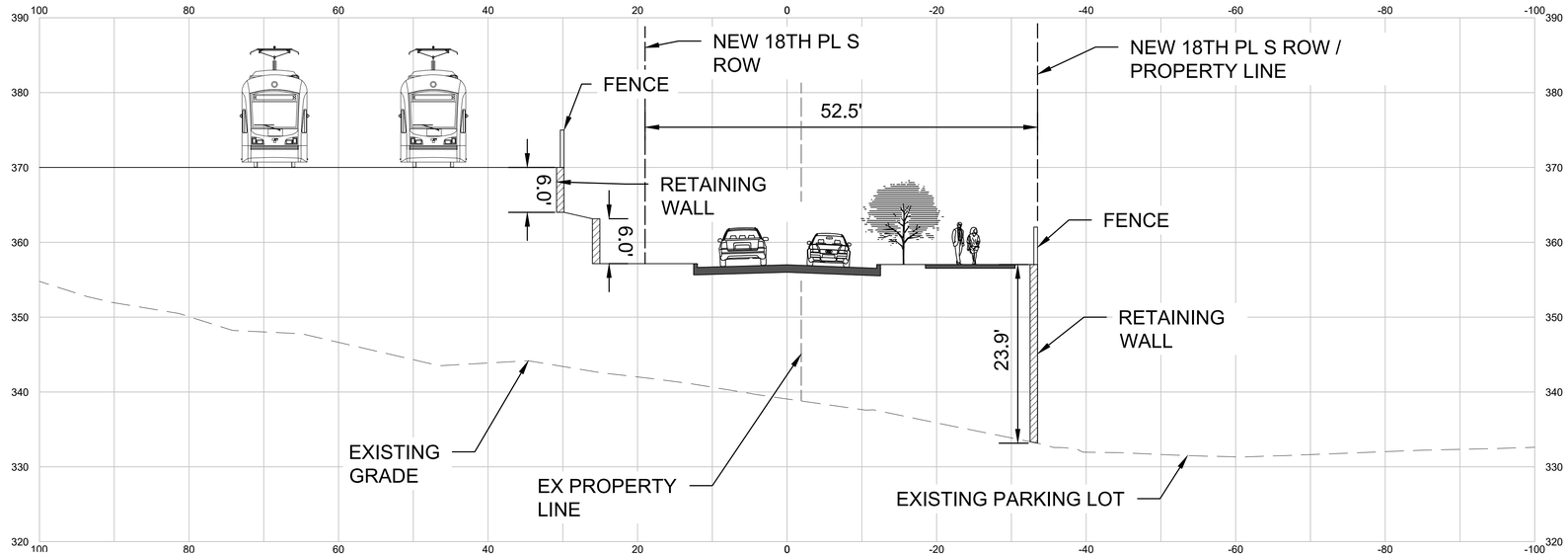
SOUNDTRANSIT

SCALE: 1"=100'
FILENAME: OMFS-M08-CGX101-106
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

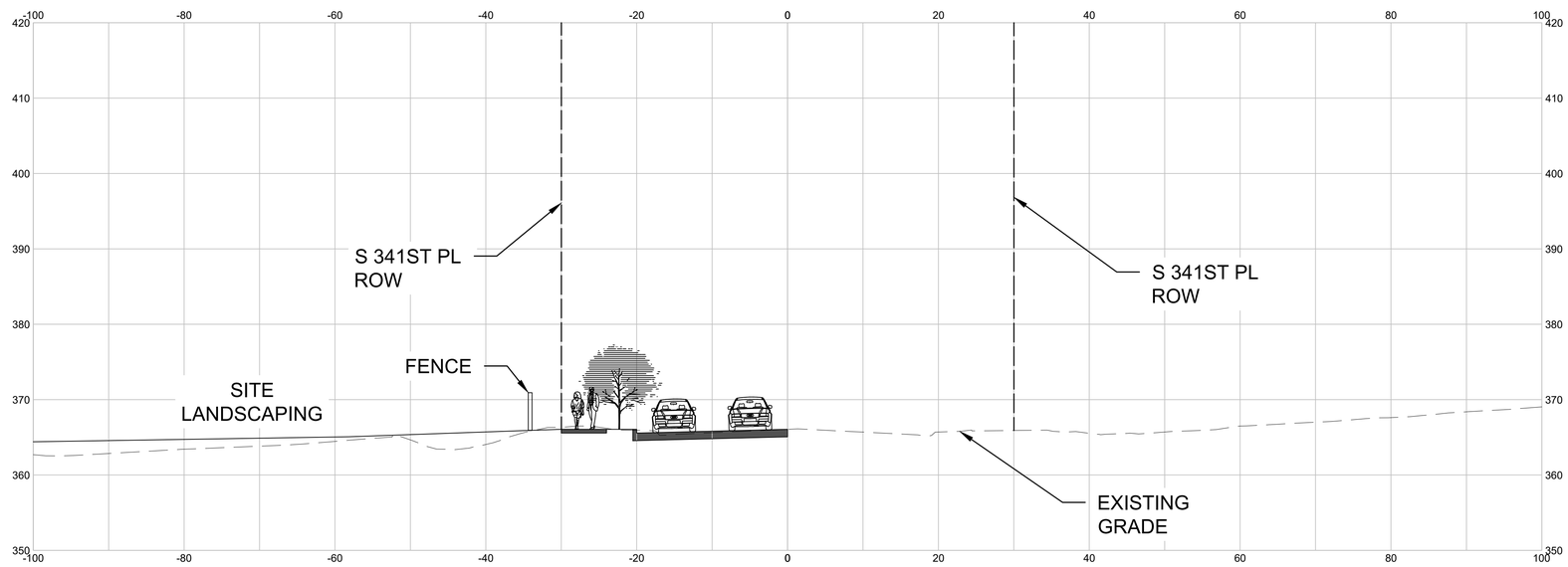
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
CIVIL
GRADING SECTIONS

DRAWING No.: **M08-CGX101**
FACILITY ID: M08
SHEET No.:
REV:

02/22/24 | 3:42 PM | ASCHEPPE
C:\PW\WORKING\WEST01\D2772714\OMFS-M08-CGX101-106.DWG



18TH PL S EXTENSION (C)



S 341ST PL (D)

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: K. MCDONALD
DRAWN BY: J. LUM
CHECKED BY: P. LOPEZ-HILFIKER
APPROVED BY: P. LOPEZ-HILFIKER

PRELIMINARY

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

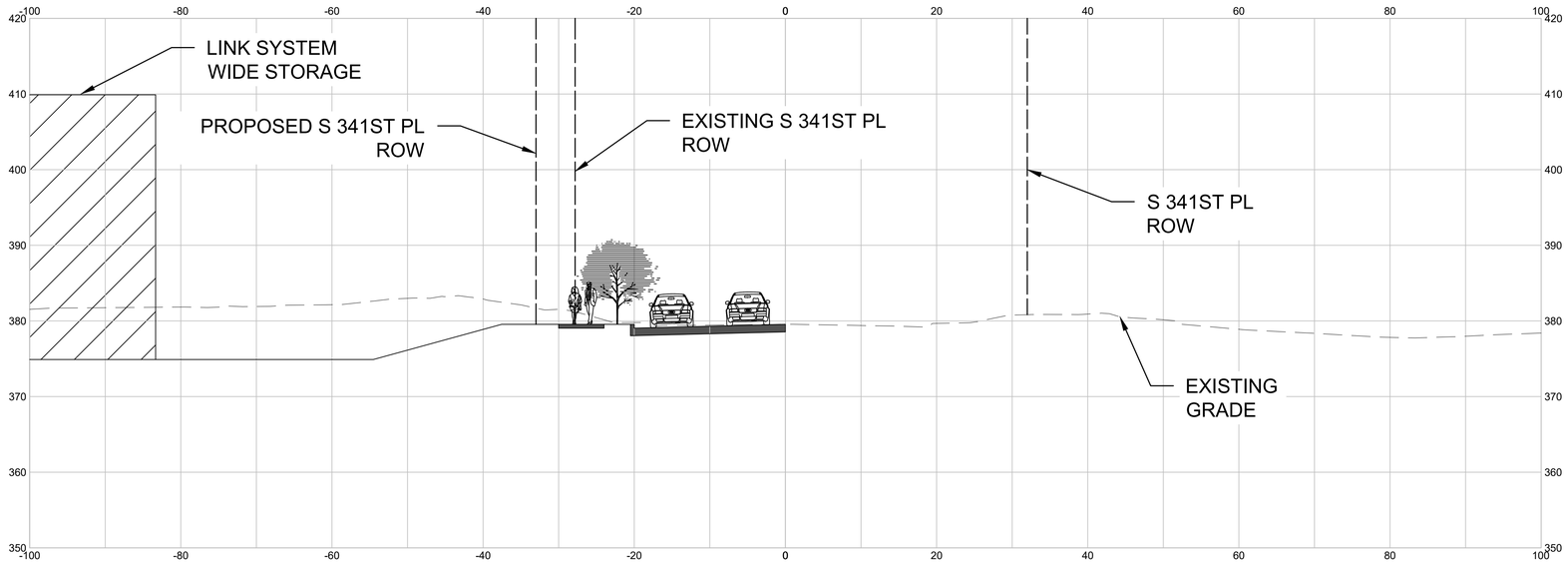
LINE IS 1" AT FULL SCALE

SCALE: 1"=100'
FILENAME: OMFS-M08-CGX101-106
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

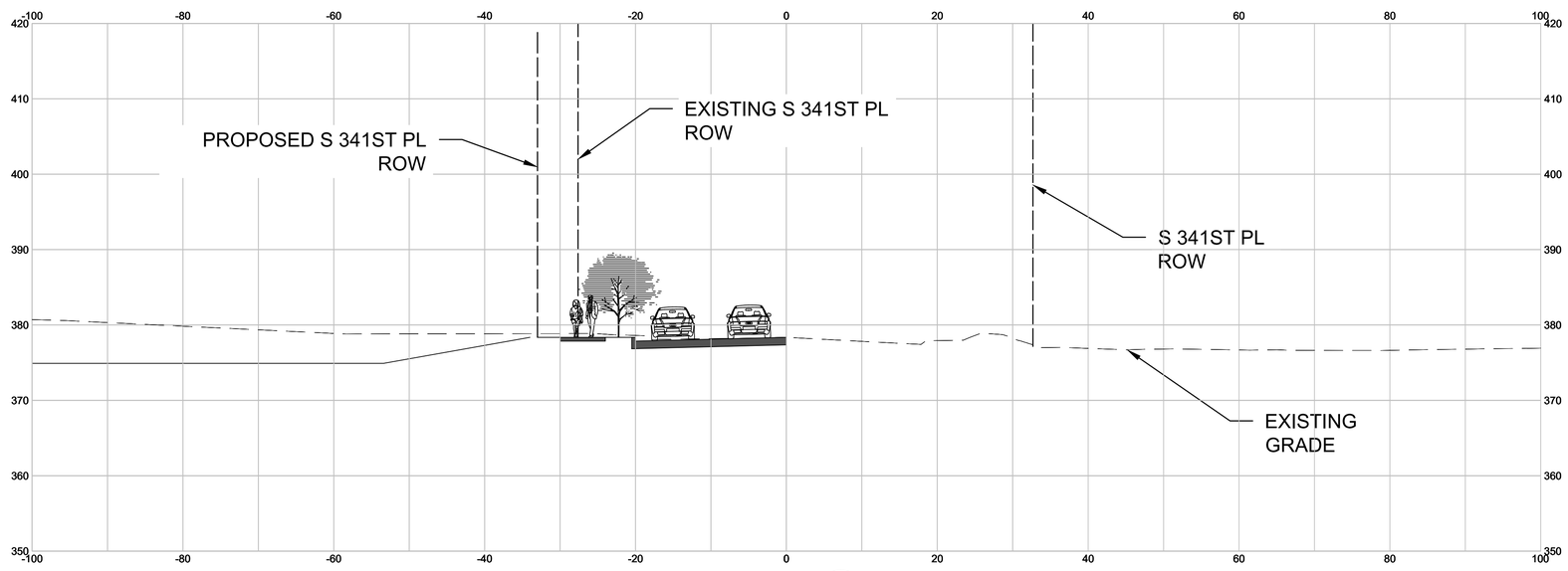
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
CIVIL
GRADING SECTIONS

DRAWING No.: **M08-CGX102**
FACILITY ID: M08
SHEET No.:
REV:

02/22/24 | 3:42 PM | ASCHEPPE
C:\PWWORKING\WEST01\D2772714\OMFS-M08-CGX101-106.DWG



S 341ST PL (E)



S 341ST PL (F)

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: K. MCDONALD
DRAWN BY: J. LUM
CHECKED BY: P. LOPEZ-HILFIKER
APPROVED BY: P. LOPEZ-HILFIKER

AHJ:

PRELIMINARY — KENNETH EUGENE MCDONALD JR. — STATE OF WASHINGTON — 51510025 — REGISTERED PROFESSIONAL ENGINEER

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

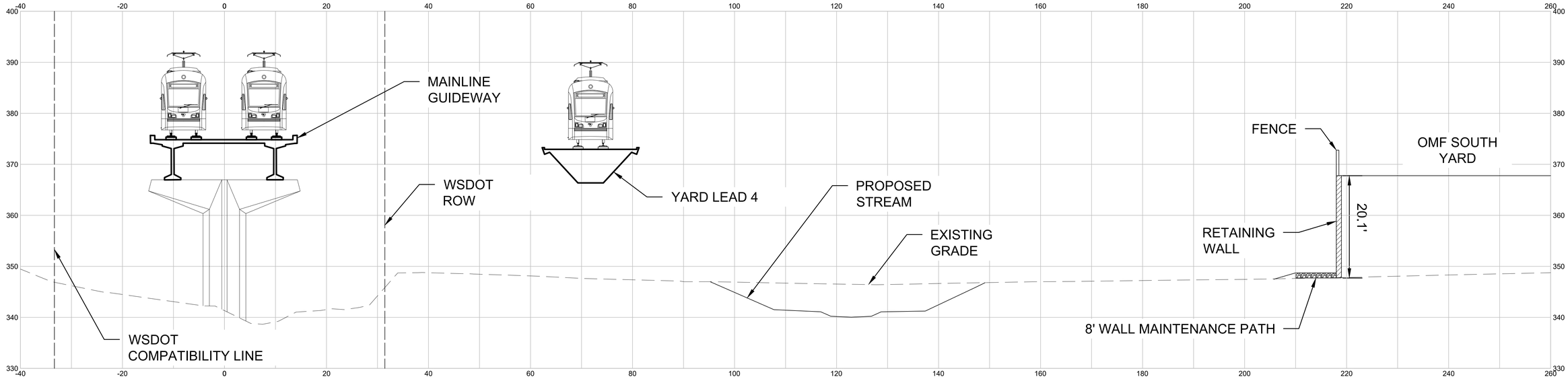
SOUNDTRANSIT

PACKAGE #
SCALE:
FILENAME: OMFS-M08-CGX101-106
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

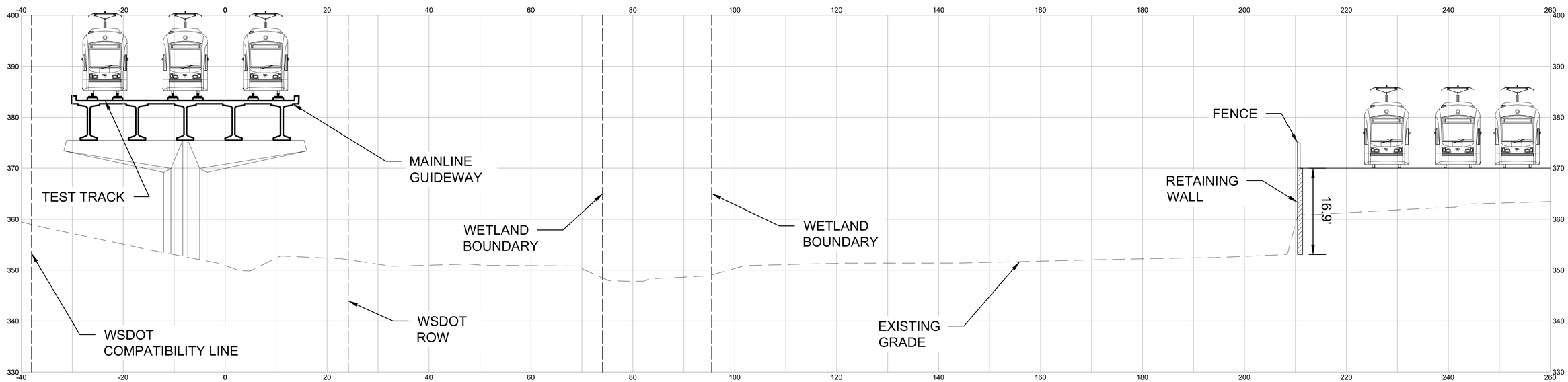
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
CIVIL
GRADING SECTIONS

DRAWING No.: M08-CGX103
FACILITY ID:
SHEET No.:
REV:

02/22/24 | 3:42 PM | ASCHEPPE
C:\PWWORKING\WEST01\D2772714\OMFS-M08-CGX101-106.DWG



MAINLINE & SITE G



MAINLINE & SITE H

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: K. MCDONALD
DRAWN BY: J. LUM
CHECKED BY: P. LOPEZ-HILFIKER
APPROVED BY: P. LOPEZ-HILFIKER

PRELIMINARY

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

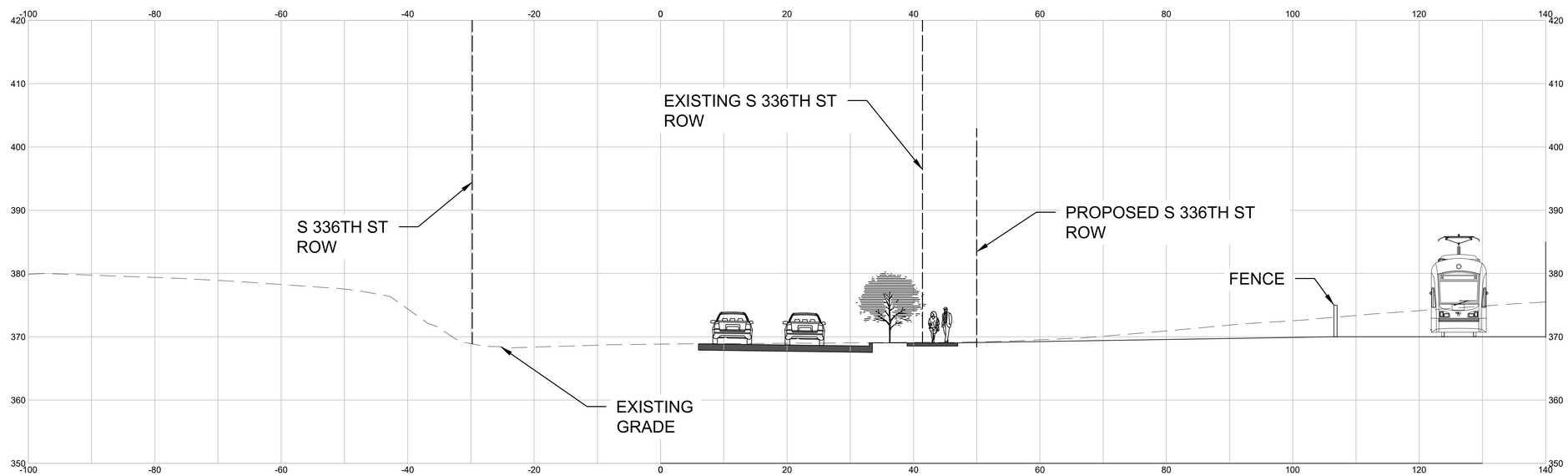
SCALE:
FILENAME: OMFS-M08-CGX101-106
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
CIVIL
GRADING SECTIONS

DRAWING No.: **M08-CGX104**
FACILITY ID:
SHEET No.:
REV:

02/22/24 | 3:42 PM | ASCHEPPE
C:\PWWORKING\WEST01\D2772714\OMFS-M08-CGX101-106.DWG

S 336TH ST (I)



S 336TH ST (J)

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: K. MCDONALD
DRAWN BY: J. LUM
CHECKED BY: P. LOPEZ-HILFIKER
APPROVED BY: P. LOPEZ-HILFIKER

PRELIMINARY

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

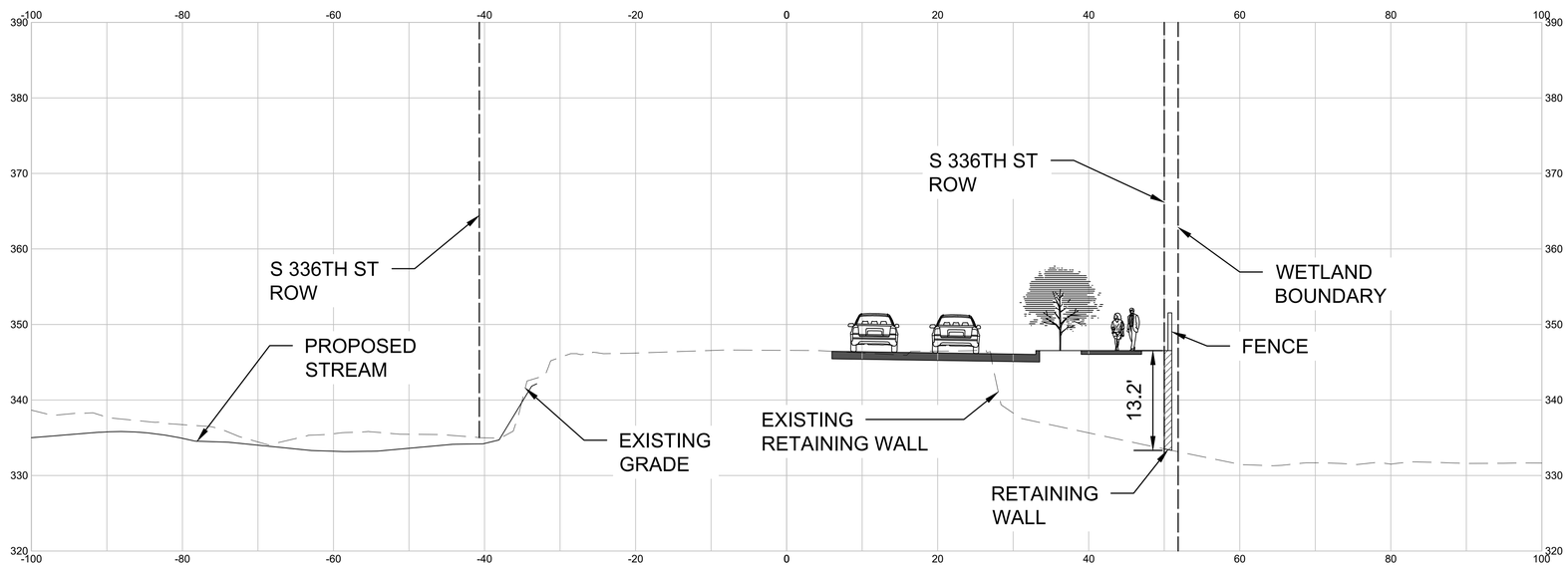
SCALE:
FILENAME: OMFS-M08-CGX101-106
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
GRADING SECTIONS

DRAWING No.: **M08-CGX105**
FACILITY ID:
SHEET No.:
REV:

02/22/24 | 3:42 PM | ASCHEPPE
C:\PWWORKING\WEST01\D2772714\OMFS-M08-CGX101-106.DWG



S 336TH ST (K)

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: K. MCDONALD
DRAWN BY: J. LUM
CHECKED BY: P. LOPEZ-HILFIKER
APPROVED BY: P. LOPEZ-HILFIKER

AHJ:

PRELIMINARY — KENNETH EUGENE MCDONALD JR. — STATE OF WASHINGTON — 21919073 — REGISTERED PROFESSIONAL ENGINEER

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

PACKAGE #

SCALE:
FILENAME: OMFS-M08-CGX101-106
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
GRADING SECTIONS

DRAWING No.: **M08-CGX106**
FACILITY ID:
SHEET No.: REV:

02/22/24 | 3:42 PM | ASCHEPPE
C:\PW\WORKING\WEST01\D2772714\OMFS-M08-CGX101-106.DWG

S 336TH ST

336TH WEST
STORMWATER MANAGEMENT FACILITY

CITY
PROPOSED WQ
336TH EAST EAST - NORTH
FLOW CONTROL NOT FEASIBLE

CITY
PROPOSED WQ
336TH EAST EAST - SOUTH
FLOW CONTROL NOT FEASIBLE

CITY
336TH EAST
STORMWATER MANAGEMENT FACILITY

CITY
18TH PL EXT -A+B+C
STORMWATER MANAGEMENT POND

SOUND TRANSIT
S 336TH ST TDA W1
STORMWATER MANAGEMENT FACILITY

PACIFIC HWY E / SR-99

SOUND TRANSIT
TRACK/TDA 3
STORMWATER MANAGEMENT FACILITY

SB I-5

NB I-5

SOUND TRANSIT
S 336TH ST TDA W2
STORMWATER MANAGEMENT FACILITY

SOUND TRANSIT
S 336TH ST TDA E
STORMWATER MANAGEMENT FACILITY

S 340TH ST

CITY
18TH PL EXT -D
STORMWATER MANAGEMENT FACILITY

CITY
341ST WEST-WEST
WQ NORTH

CITY
341ST WEST-WEST
WQ SOUTH

SOUND TRANSIT
TDA 4
STORMWATER MANAGEMENT FACILITY

CITY
341ST WEST-WEST
STORMWATER MANAGEMENT FACILITY

CITY
341ST WEST
STORMWATER MANAGEMENT FACILITY

CITY
341ST EAST
STORMWATER MANAGEMENT FACILITY

S 341ST PL

26+47 25+00 20+00 28+15 15+00 25+00 30+79 50+00 37+57 35+00 45+00

100 50 0 100 200
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

02/23/24 | 3:35 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP100.DWG

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

AHJ:

PACKAGE #

JEFFREY L. COOP — STATE OF WASHINGTON — 28493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

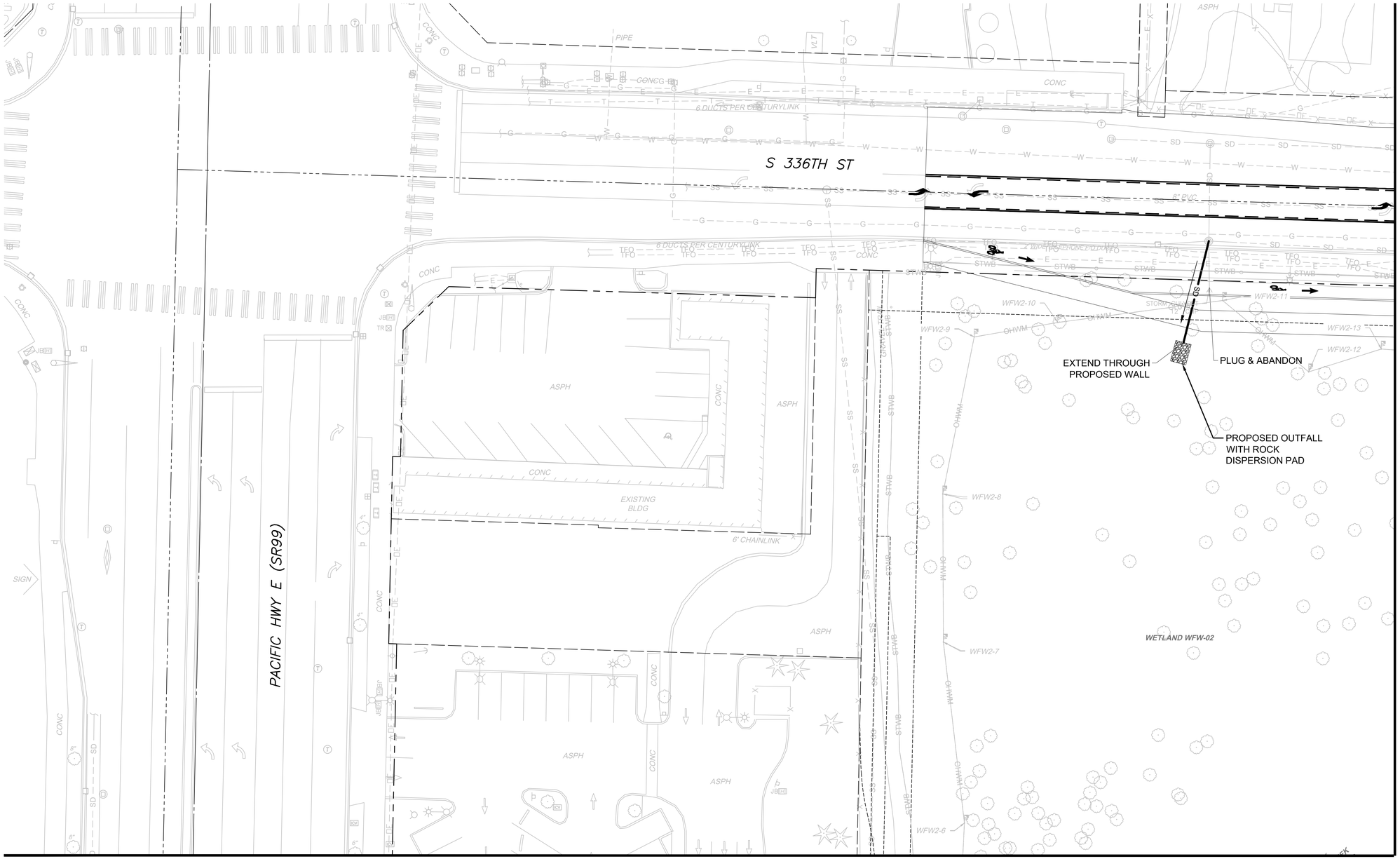
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=100'
FILENAME: OMFS-M08-CDP100
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
CIVIL
OVERALL SITE DRAINAGE PLAN

DRAWING No.: M08-CDP100
FACILITY ID: M08
SHEET No.:
REV:

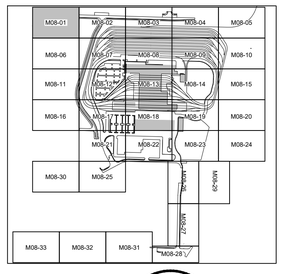


MATCHLINE:
SEE DWG M08-CDP106

MATCHLINE:
SEE DWG M08-CDP102

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 28493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

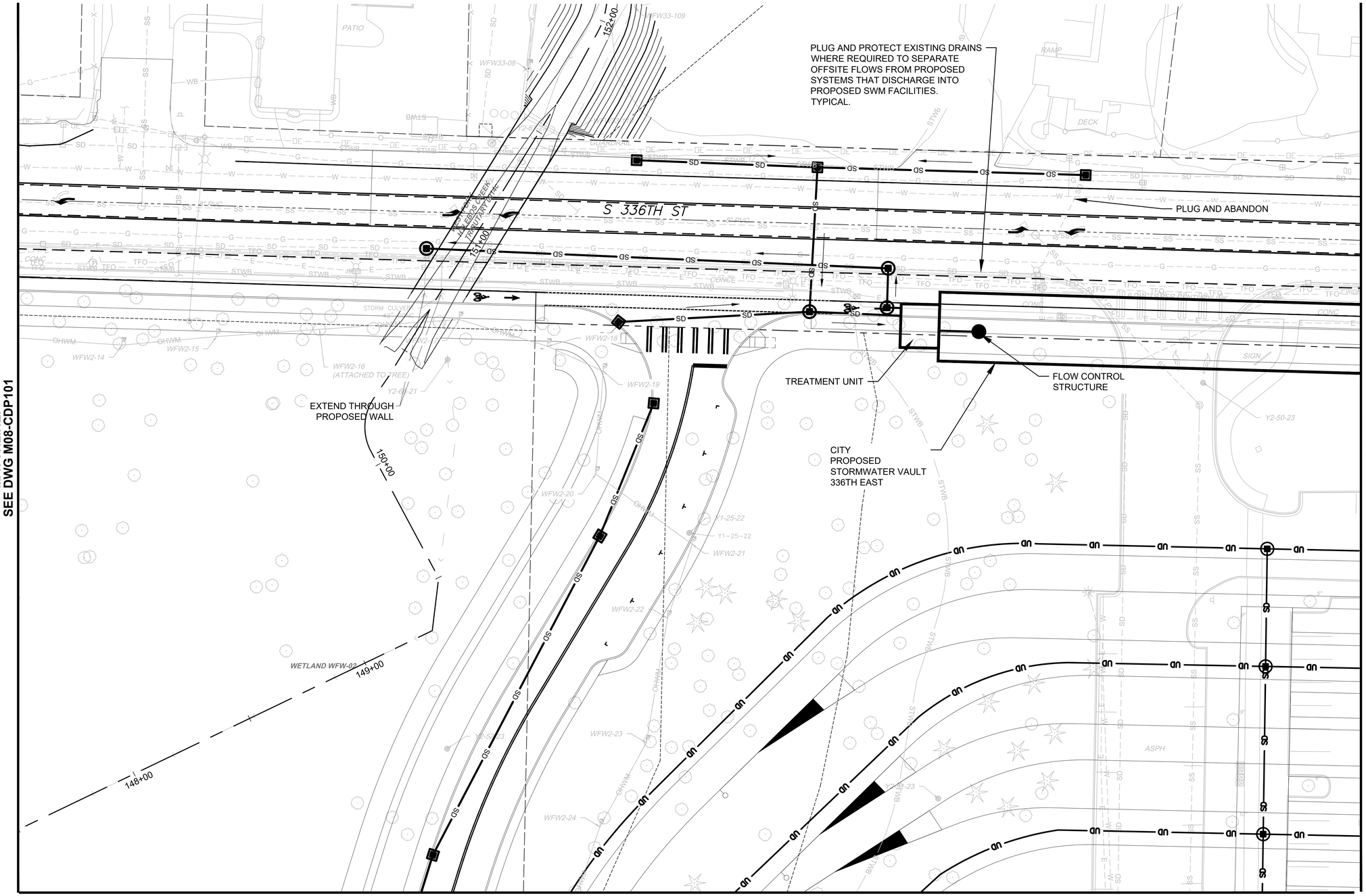
CIVIL
DRAINAGE PLAN

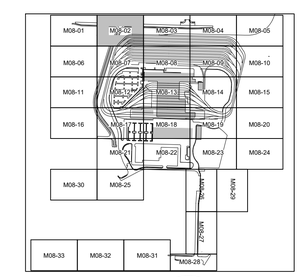
DRAWING No.: **M08-CDP101**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:53 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.





N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

MATCHLINE:
SEE DWG M08-CDP107

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

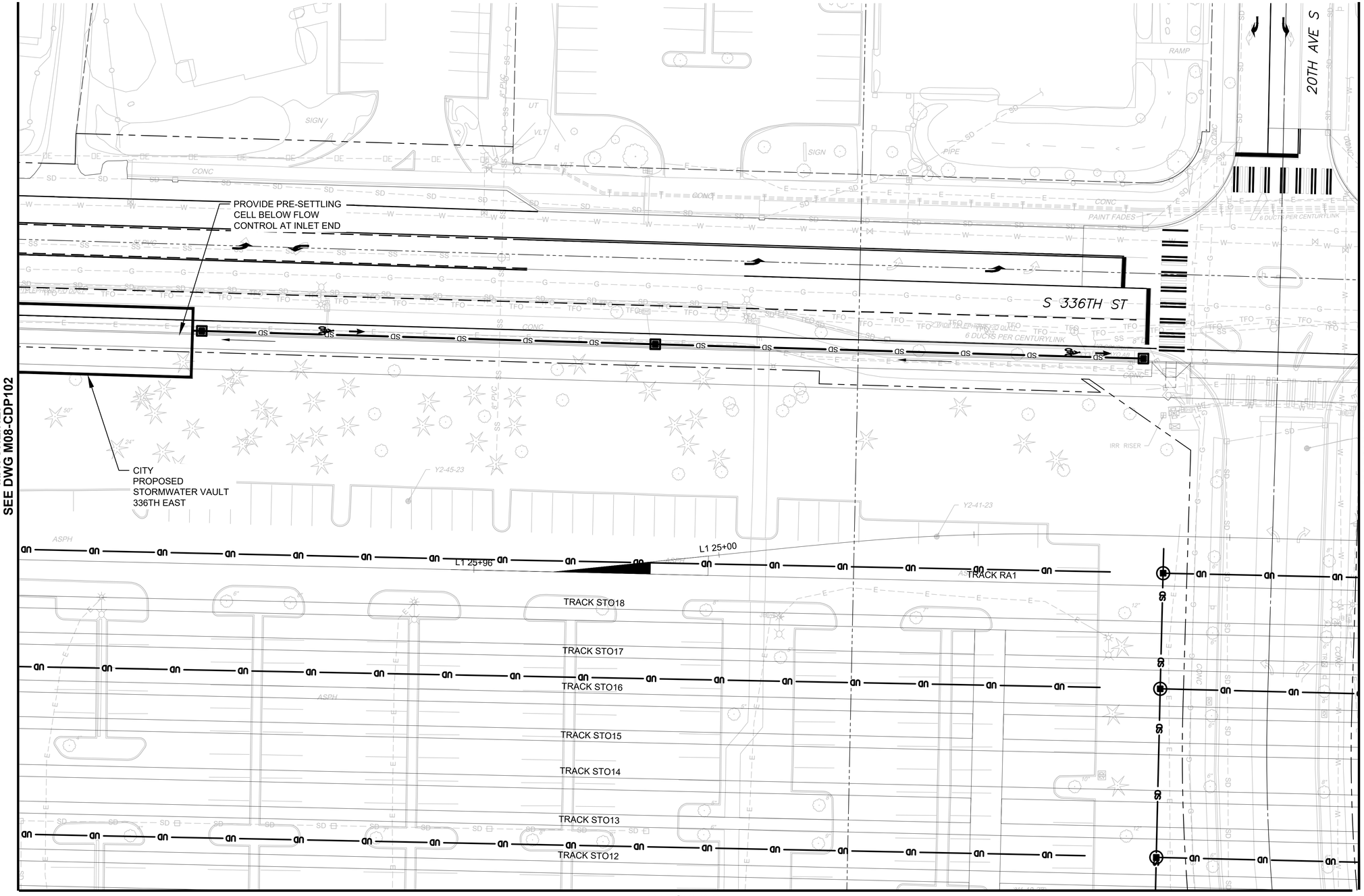
SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

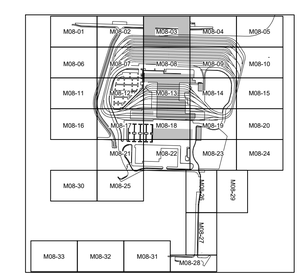
DRAWING No.: **M08-CDP102**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:53 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG



NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40

SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

PRELIMINARY — JEFFREY L. COOP, STATE OF WASHINGTON, 38493, REGISTERED PROFESSIONAL ENGINEER

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

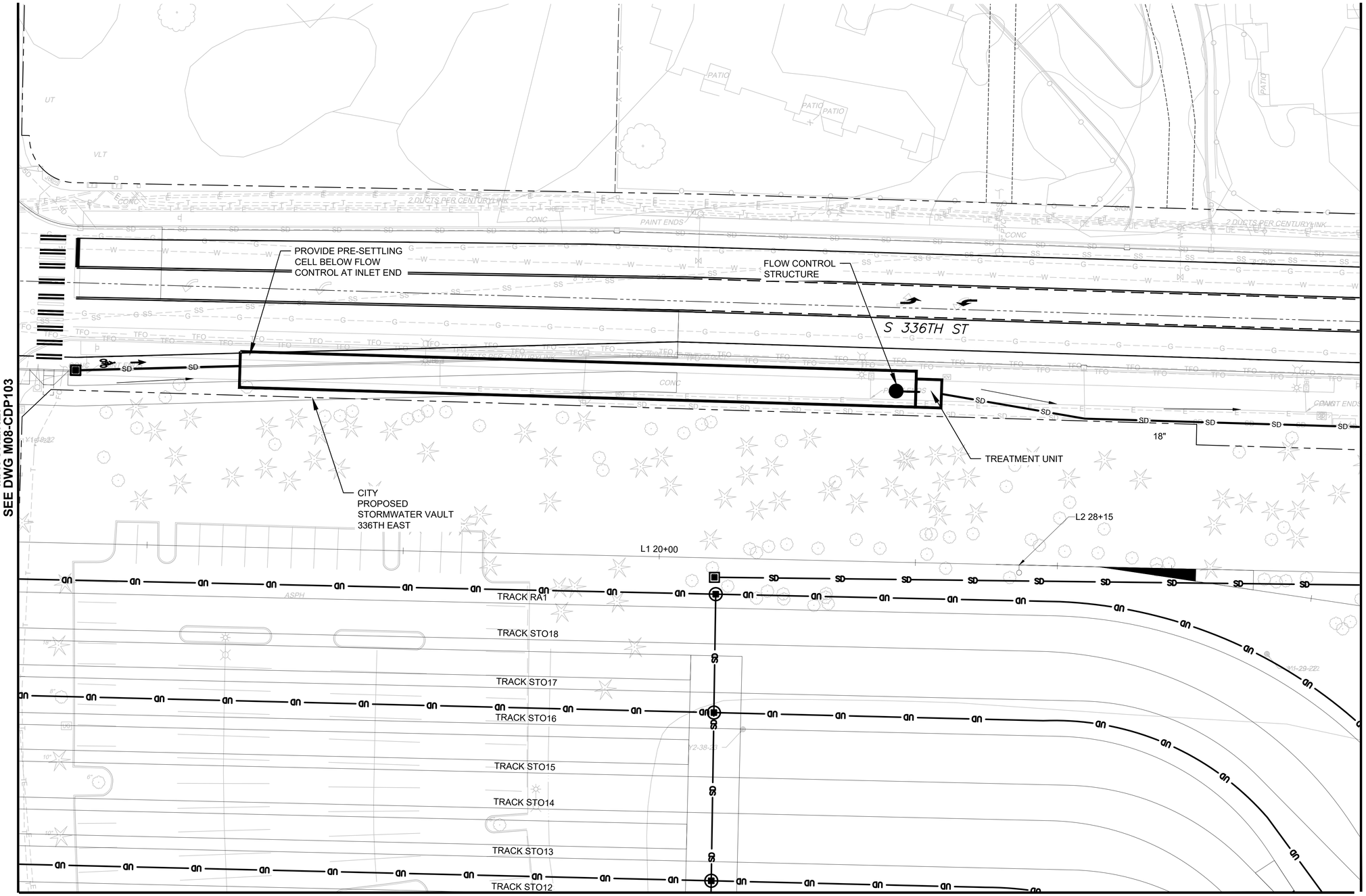
SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

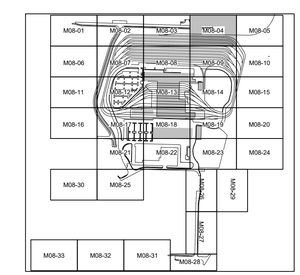
DRAWING No.: **M08-CDP103**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:54 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG



NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40

SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

MATCHLINE: SEE DWG M08-CDP109

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 28493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP104**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:54 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP104

CITY
PROPOSED 4x8 BIOPOD
36TH EAST EAST NORTH

CITY
PROPOSED 4x4 BIOPOD
336TH EAST EAST SOUTH

S 336TH ST

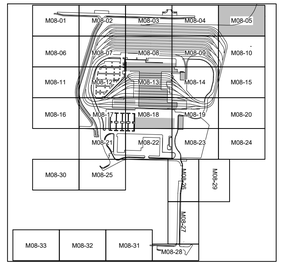
PROPOSED OUTFALL WITH
ROCK DISPERSION PAD

PRESERVE AND PROTECT
EXISTING STORM SYSTEM IN
TEMPORARY EASEMENT AREA

MATCHLINE:
SEE DWG M08-CDP110

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

MATCHLINE:
SEE DWG M08-CDP110

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP
STATE OF WASHINGTON
38493
REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

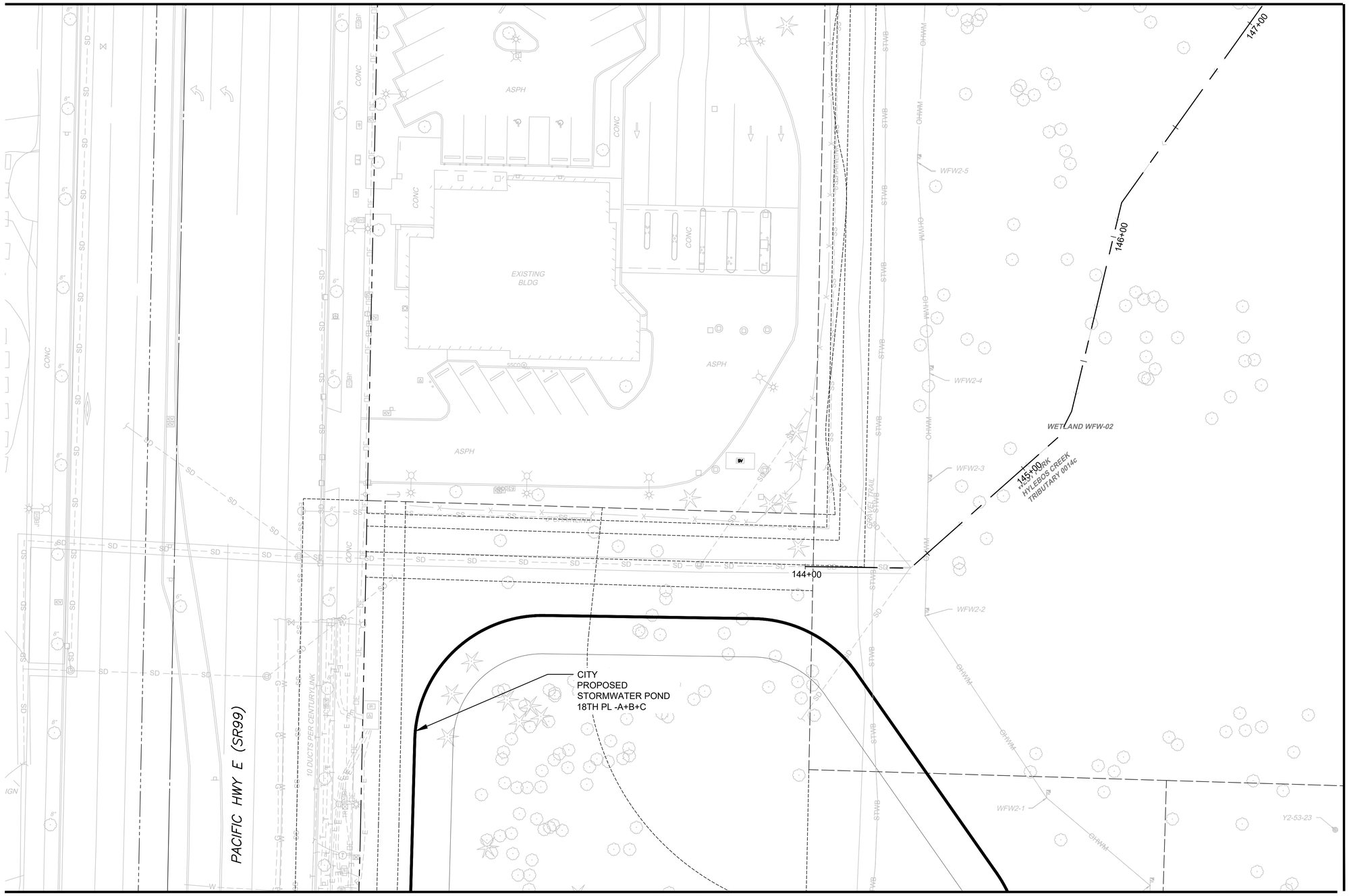
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP105**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:54 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP101

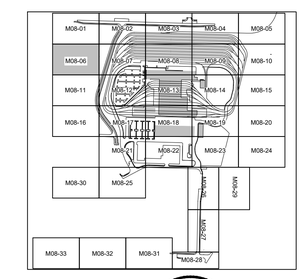


MATCHLINE:
SEE DWG M08-CDP107

MATCHLINE:
SEE DWG M08-CDP111

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

MATCHLINE:
SEE DWG M08-CDP111

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

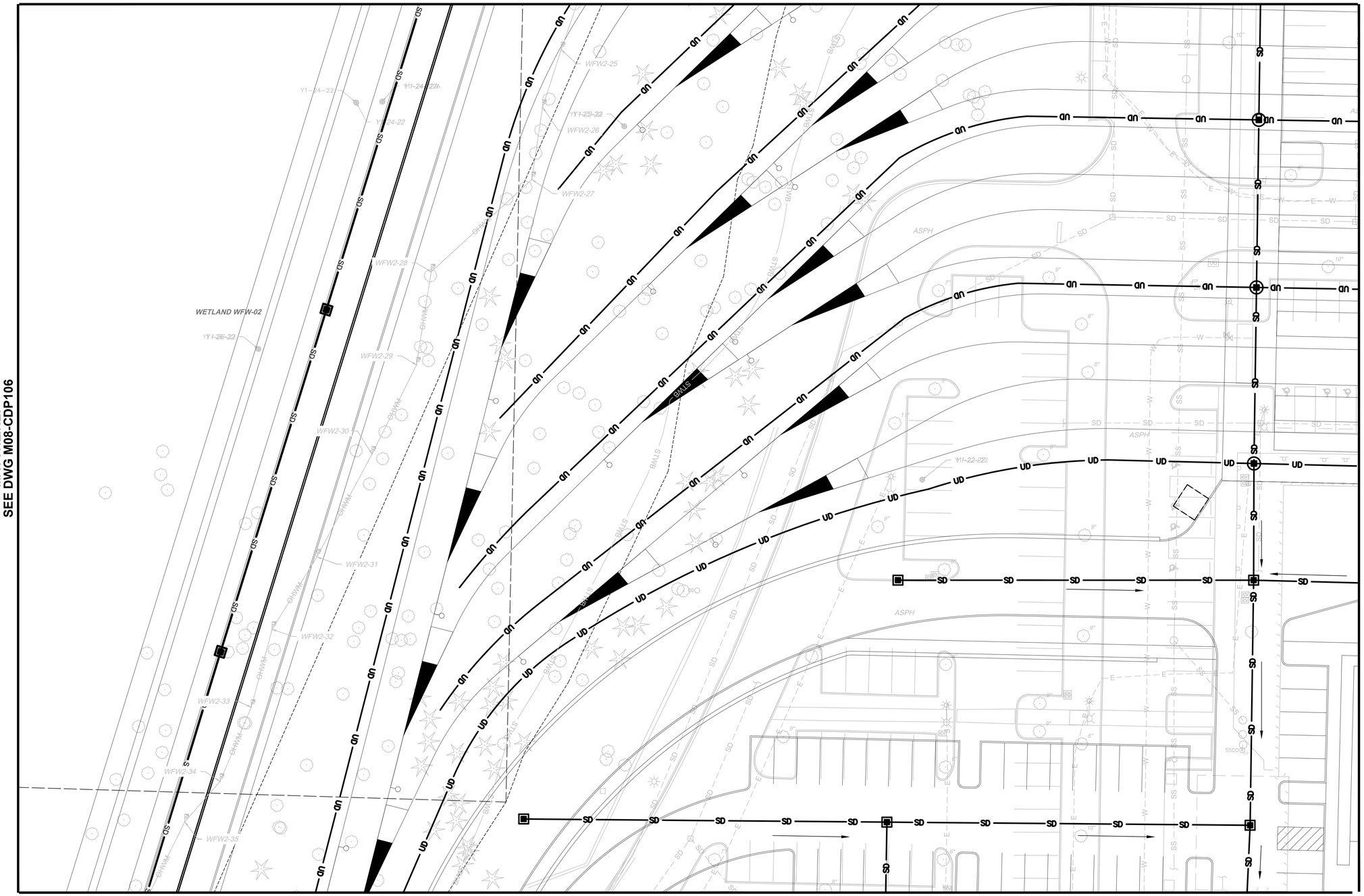
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP106**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:55 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP102



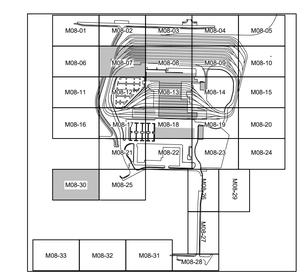
MATCHLINE:
SEE DWG M08-CDP106

MATCHLINE:
SEE DWG M08-CDP108

MATCHLINE:
SEE DWG M08-CDP112

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 28493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

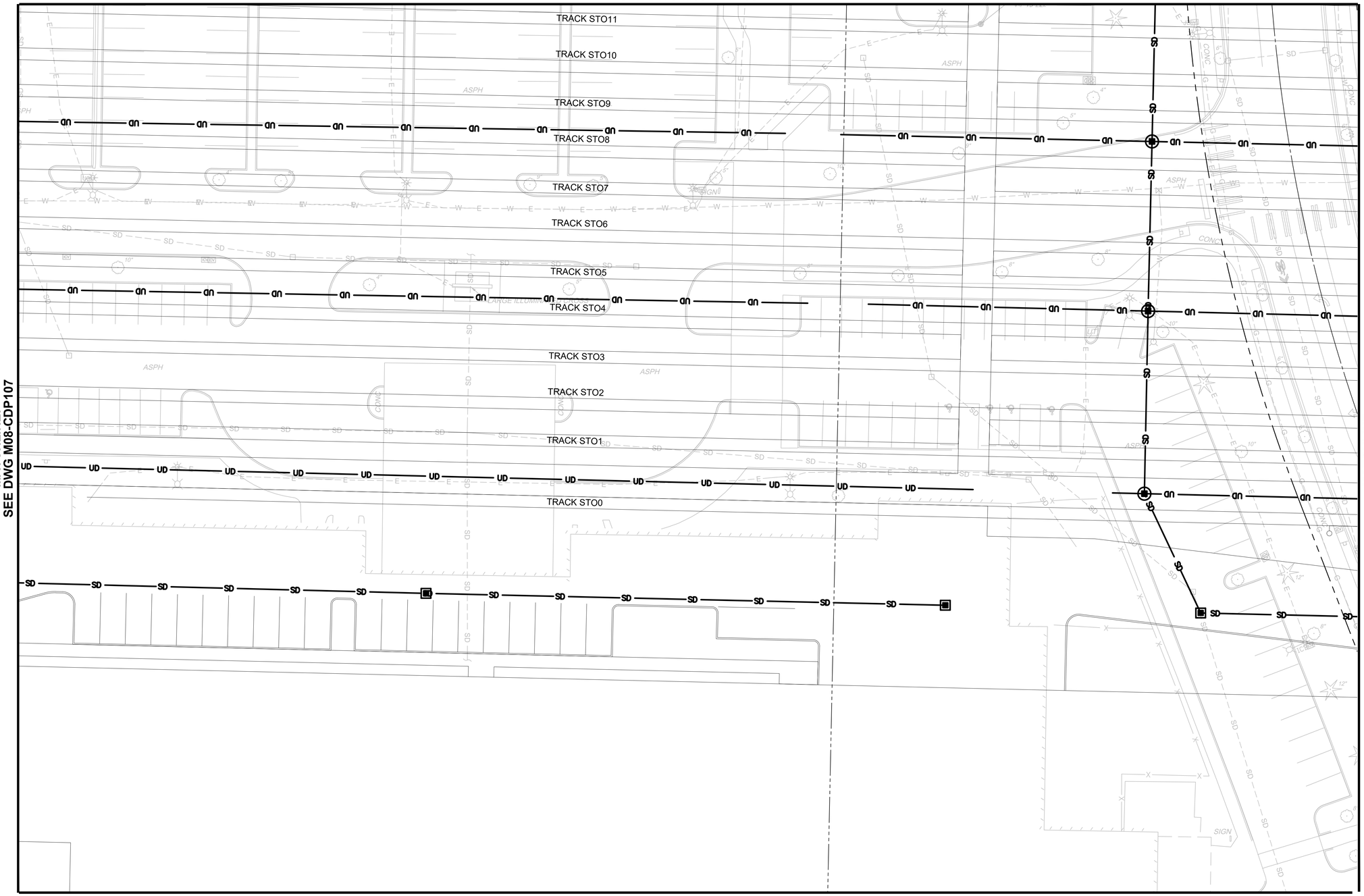
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP107**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:55 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP103



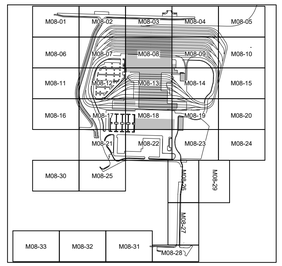
MATCHLINE:
SEE DWG M08-CDP107

MATCHLINE:
SEE DWG M08-CDP109

MATCHLINE:
SEE DWG M08-CDP113

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

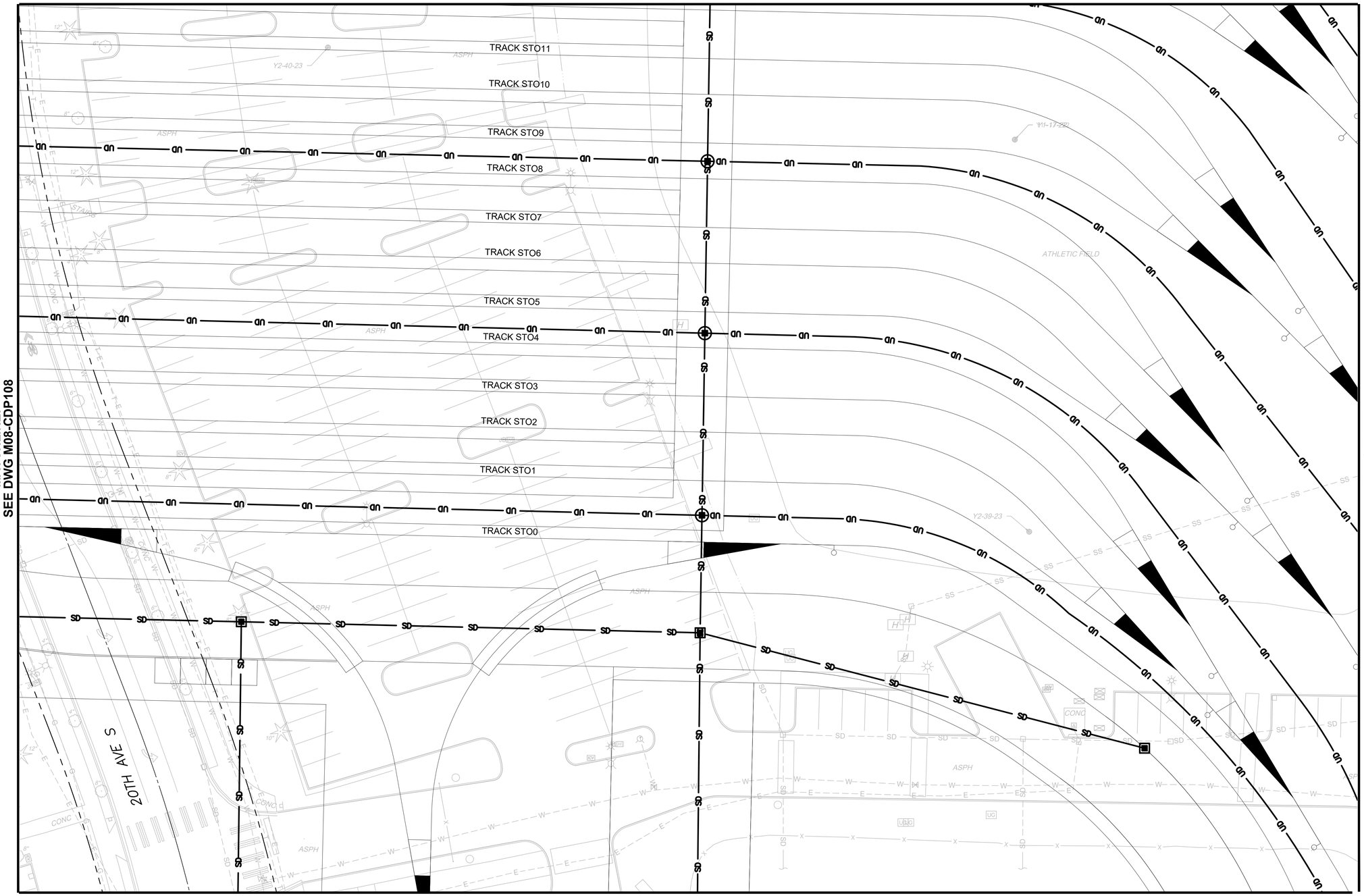
CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP108**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:56 AM | WILLIBRE
C:\PW\WORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP104

MATCHLINE:
SEE DWG M08-CDP108

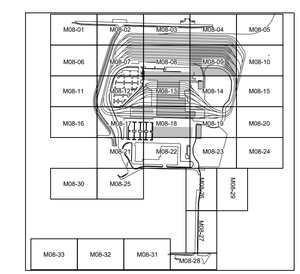


MATCHLINE:
SEE DWG M08-CDP110

MATCHLINE:
SEE DWG M08-CDP114

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 28493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

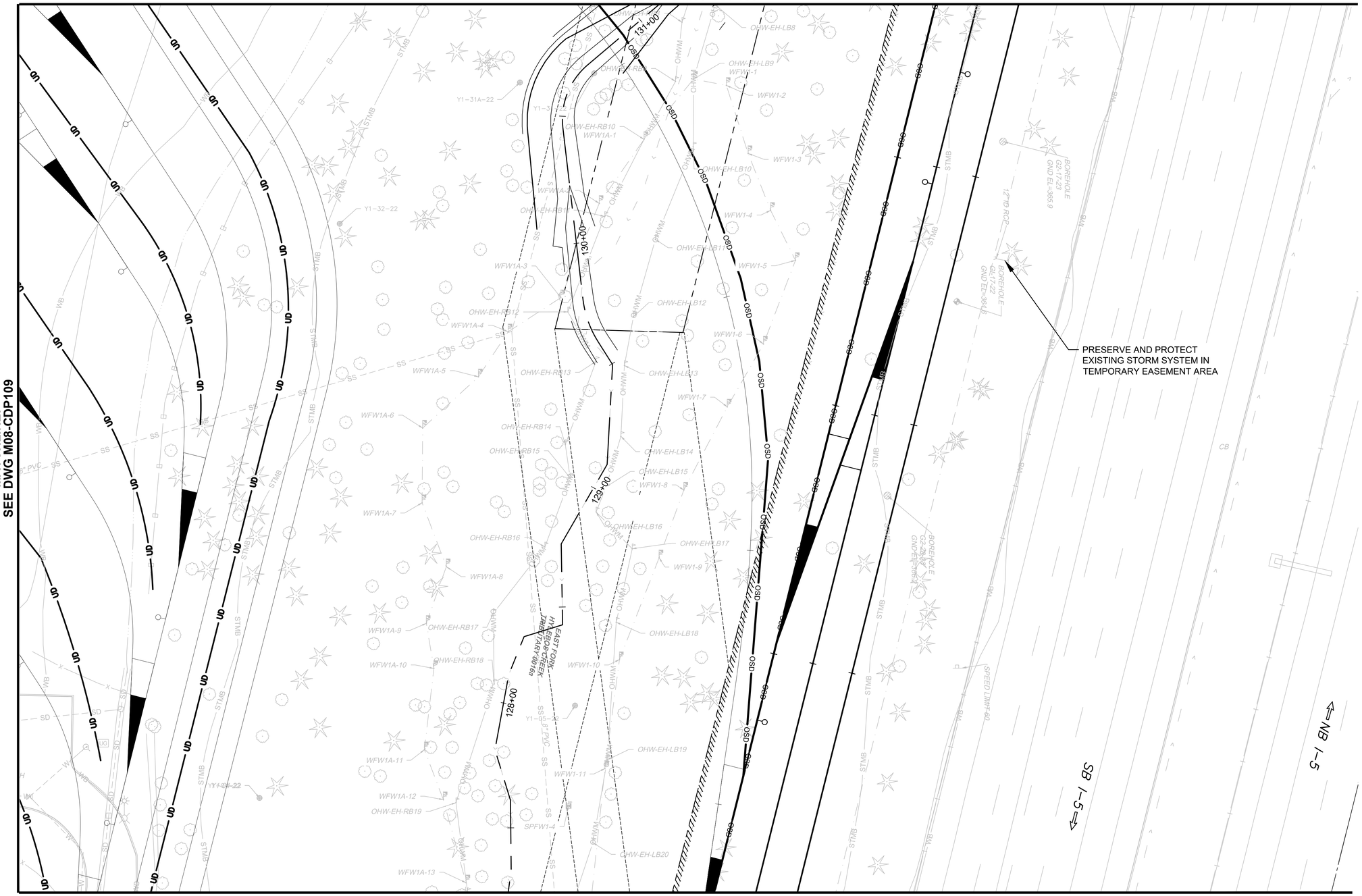
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP109**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:56 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP105

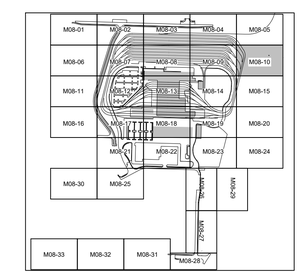


MATCHLINE:
SEE DWG M08-CDP109

MATCHLINE:
SEE DWG M08-CDP115

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUND TRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

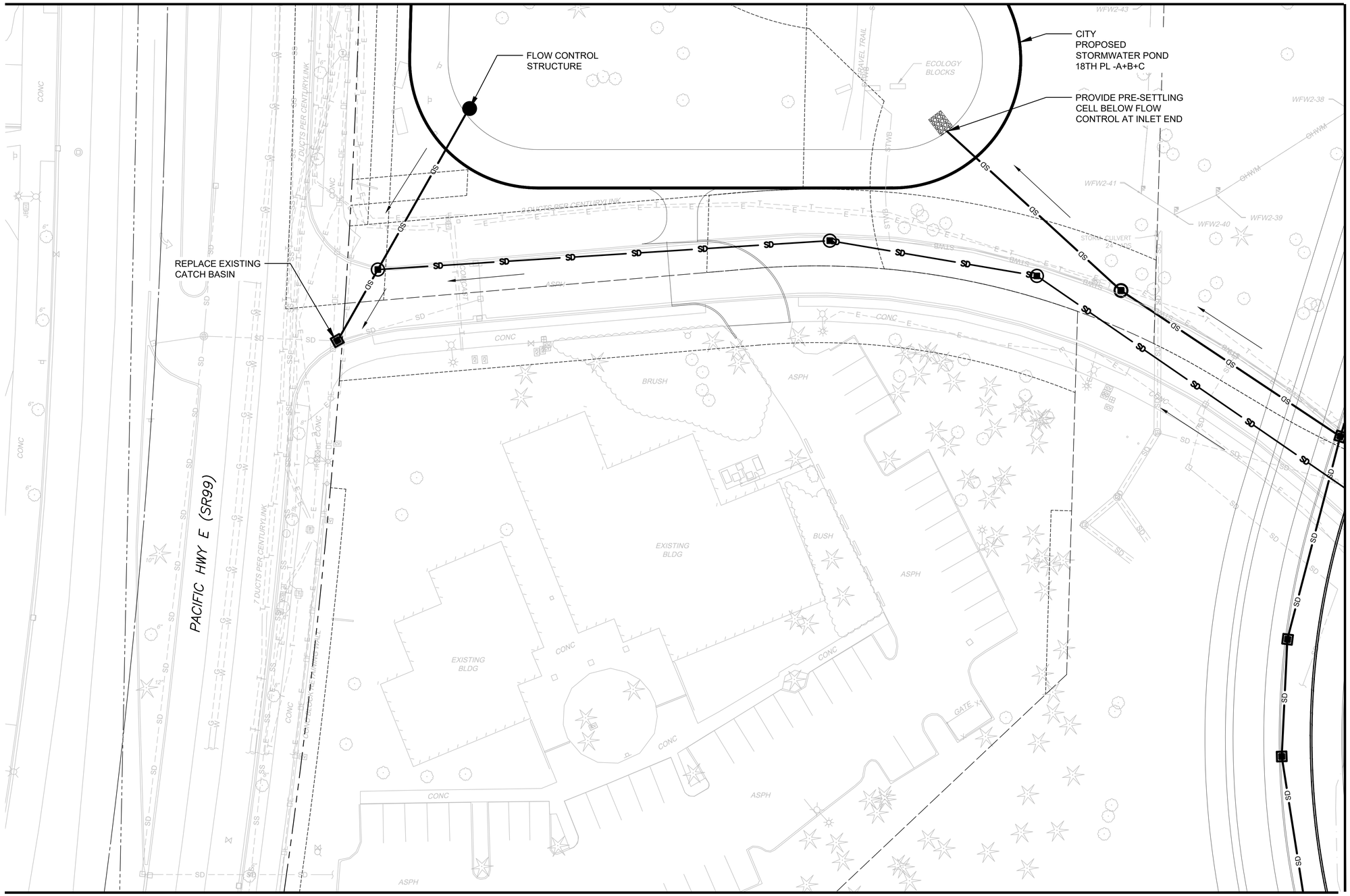
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP110**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:56 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP106

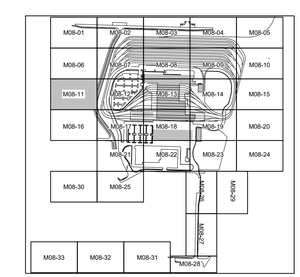


MATCHLINE:
SEE DWG M08-CDP112

MATCHLINE:
SEE DWG M08-CDP116

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP, STATE OF WASHINGTON, 23493, REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

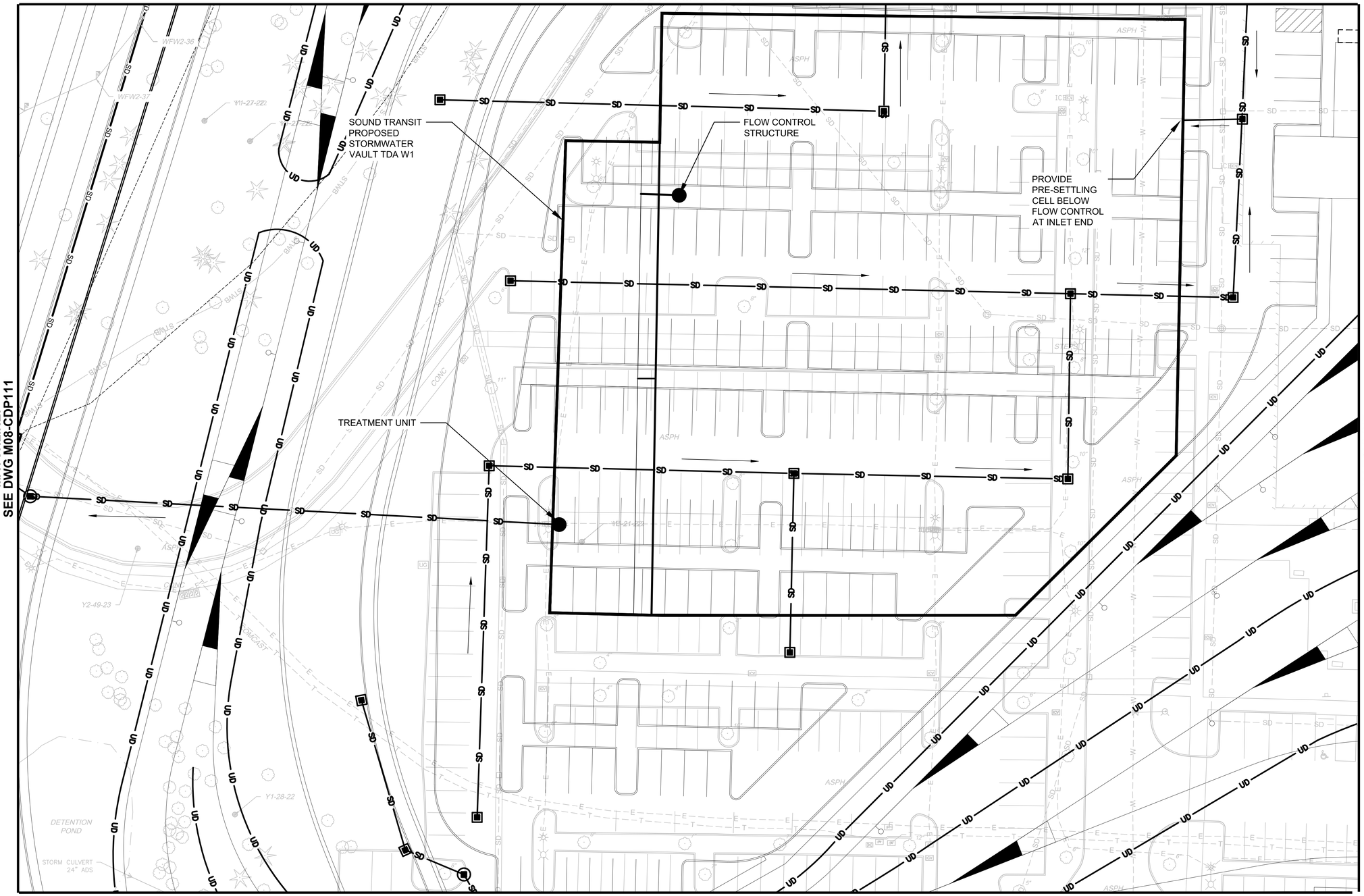
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP111**
FACILITY ID: M08
SHEET No.:
REV:

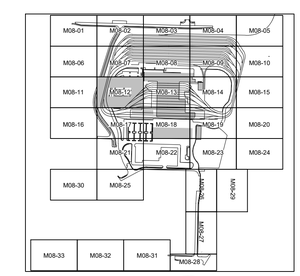
02/21/24 | 11:57 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP107



NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

MATCHLINE:
SEE DWG M08-CDP117

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

PRELIMINARY — JEFFREY L. COOPER, STATE OF WASHINGTON, 38493, REGISTERED PROFESSIONAL ENGINEER

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

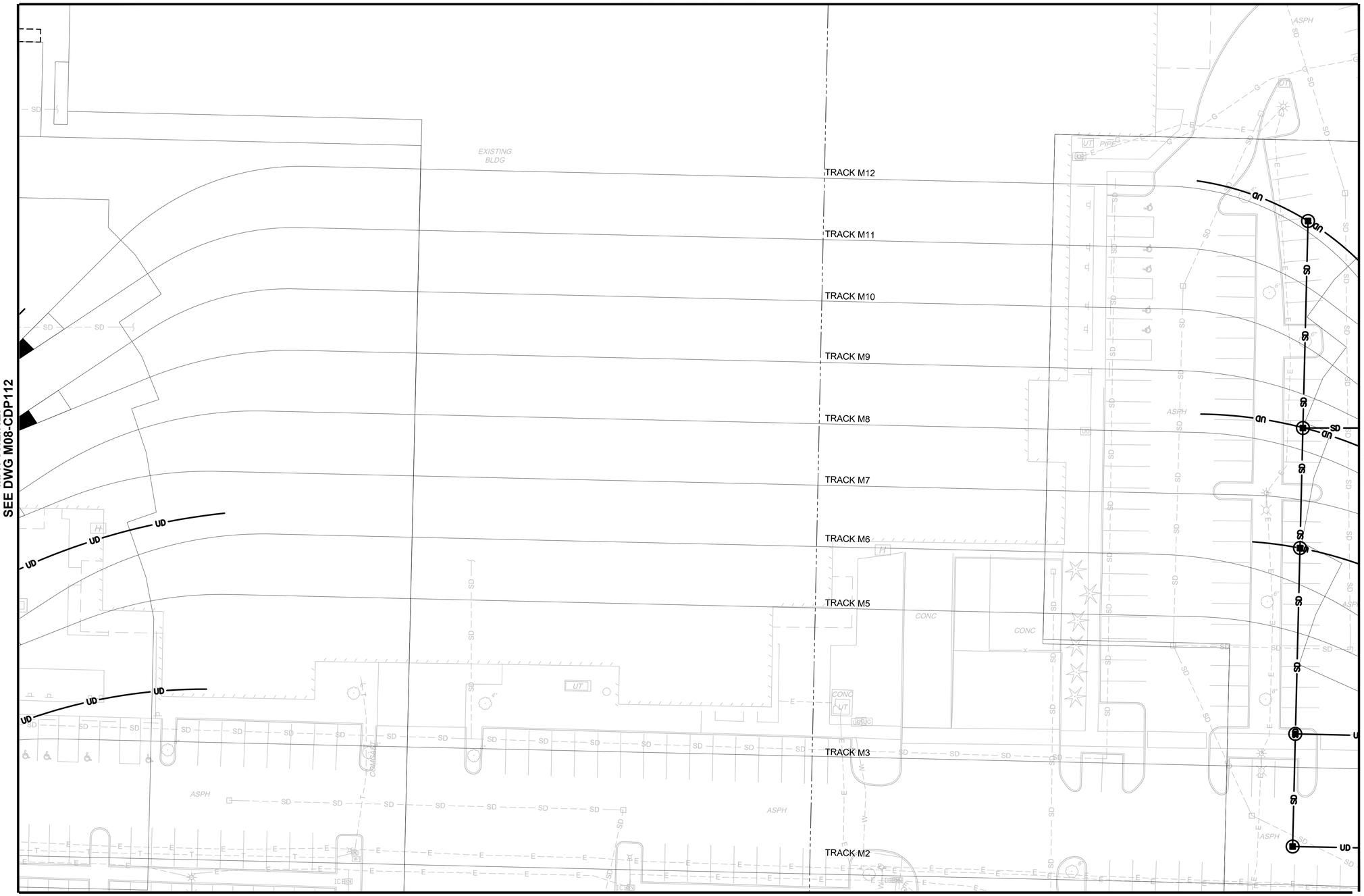
CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP112**
FACILITY ID: M08
SHEET No.:
REV:

02/23/24 | 9:31 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP108

MATCHLINE:
SEE DWG M08-CDP112

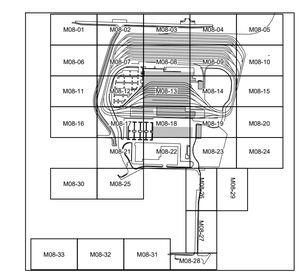


MATCHLINE:
SEE DWG M08-CDP114

MATCHLINE:
SEE DWG M08-CDP118

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

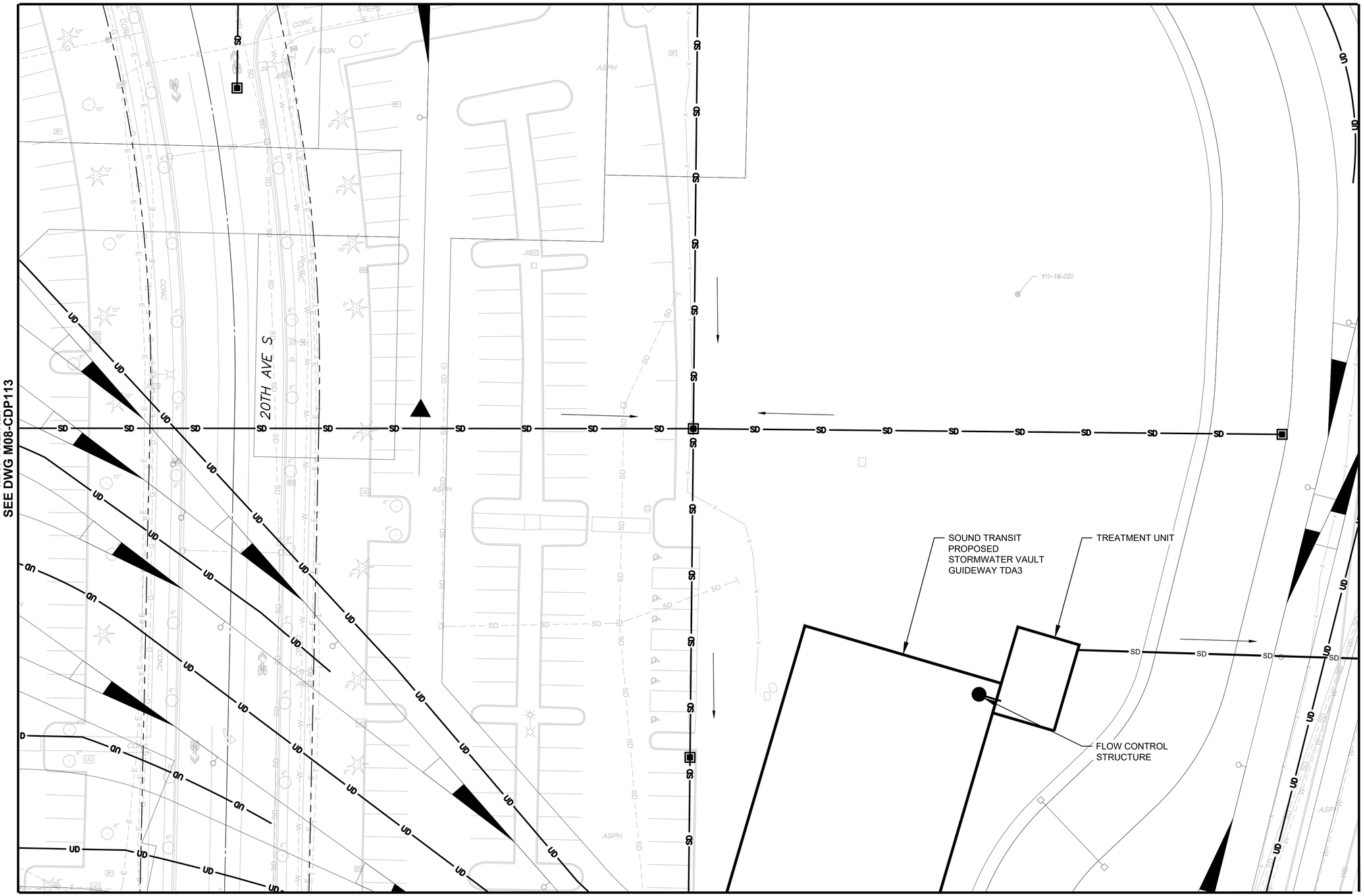
CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP113**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:57 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP109

MATCHLINE:
SEE DWG M08-CDP113

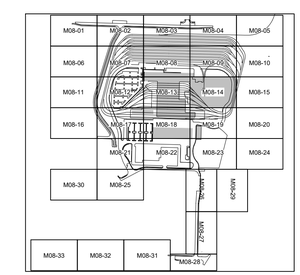


MATCHLINE:
SEE DWG M08-CDP115

MATCHLINE:
SEE DWG M08-CDP119

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOPER, STATE OF WASHINGTON, 38493, REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

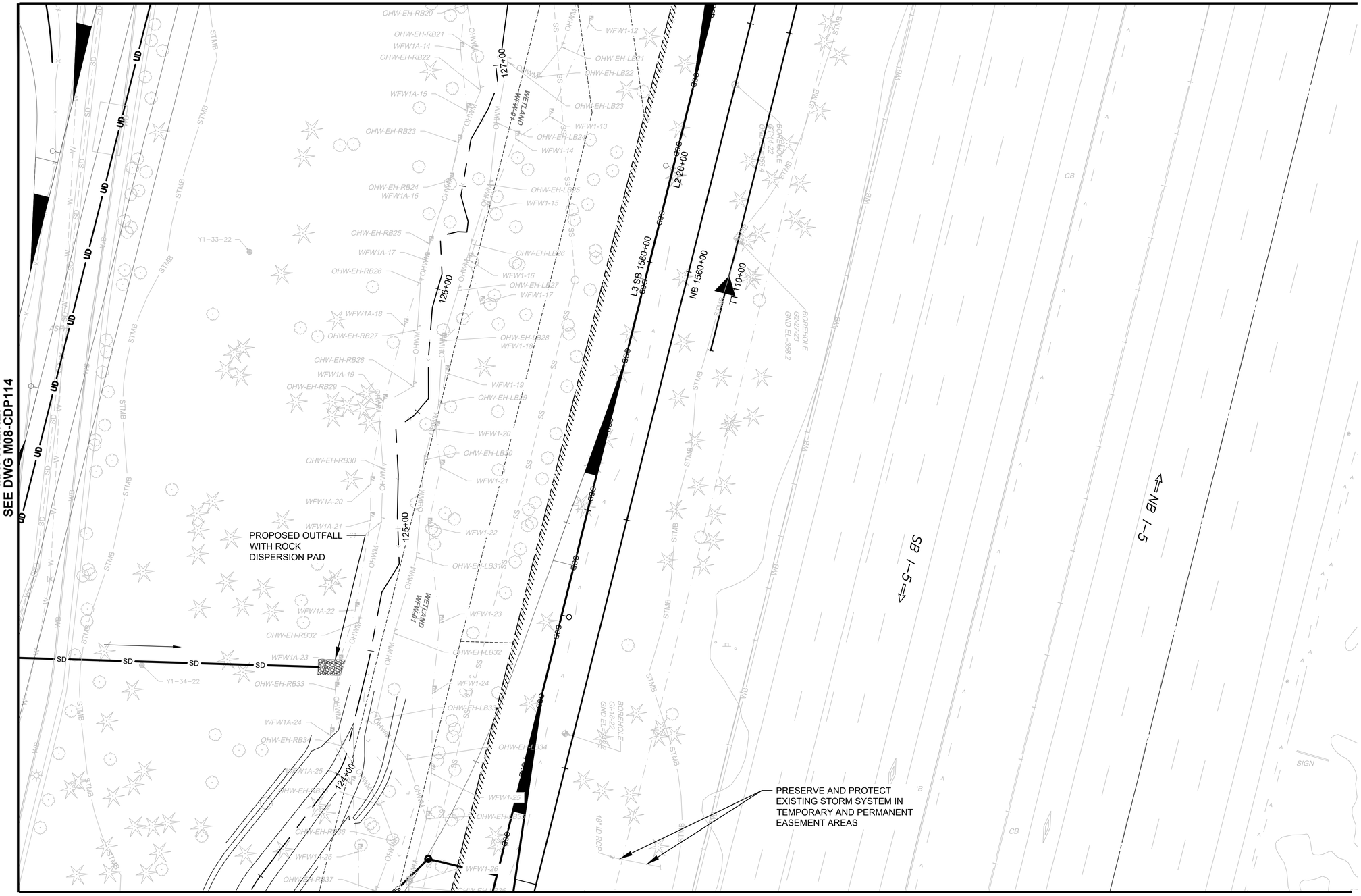
CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP114**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:58 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP110

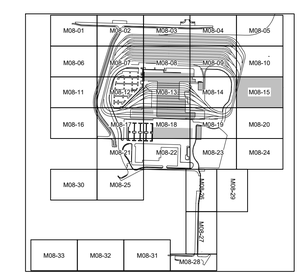
MATCHLINE:
SEE DWG M08-CDP114



MATCHLINE:
SEE DWG M08-CDP120

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

MATCHLINE:
SEE DWG M08-CDP120

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

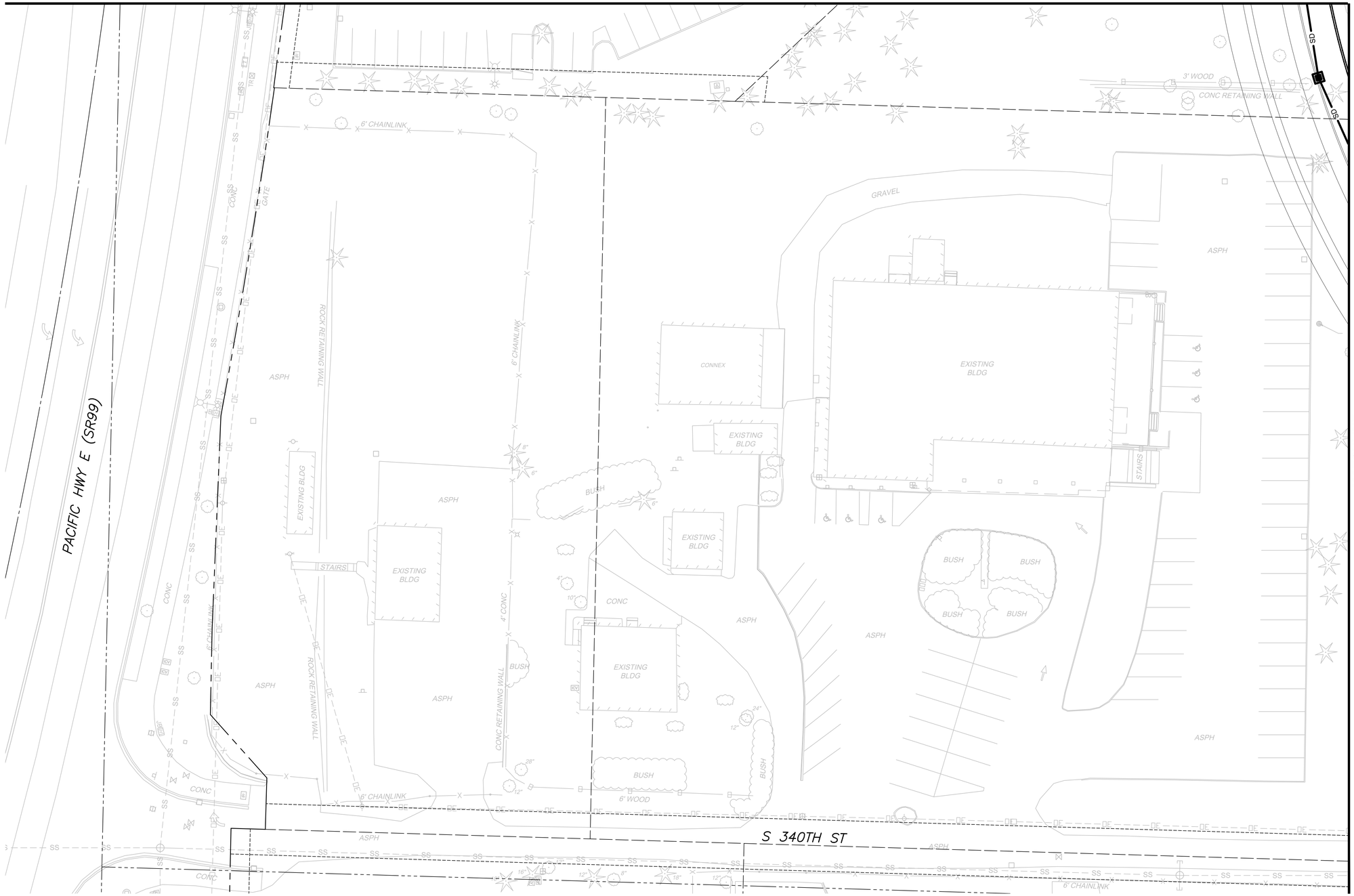
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP115**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:58 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

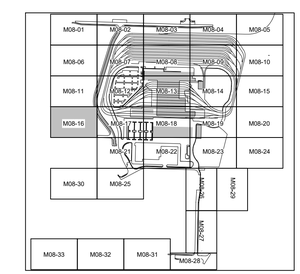
MATCHLINE:
SEE DWG M08-CDP111



MATCHLINE:
SEE DWG M08-CDP117

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

AHJ:

PACKAGE #

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

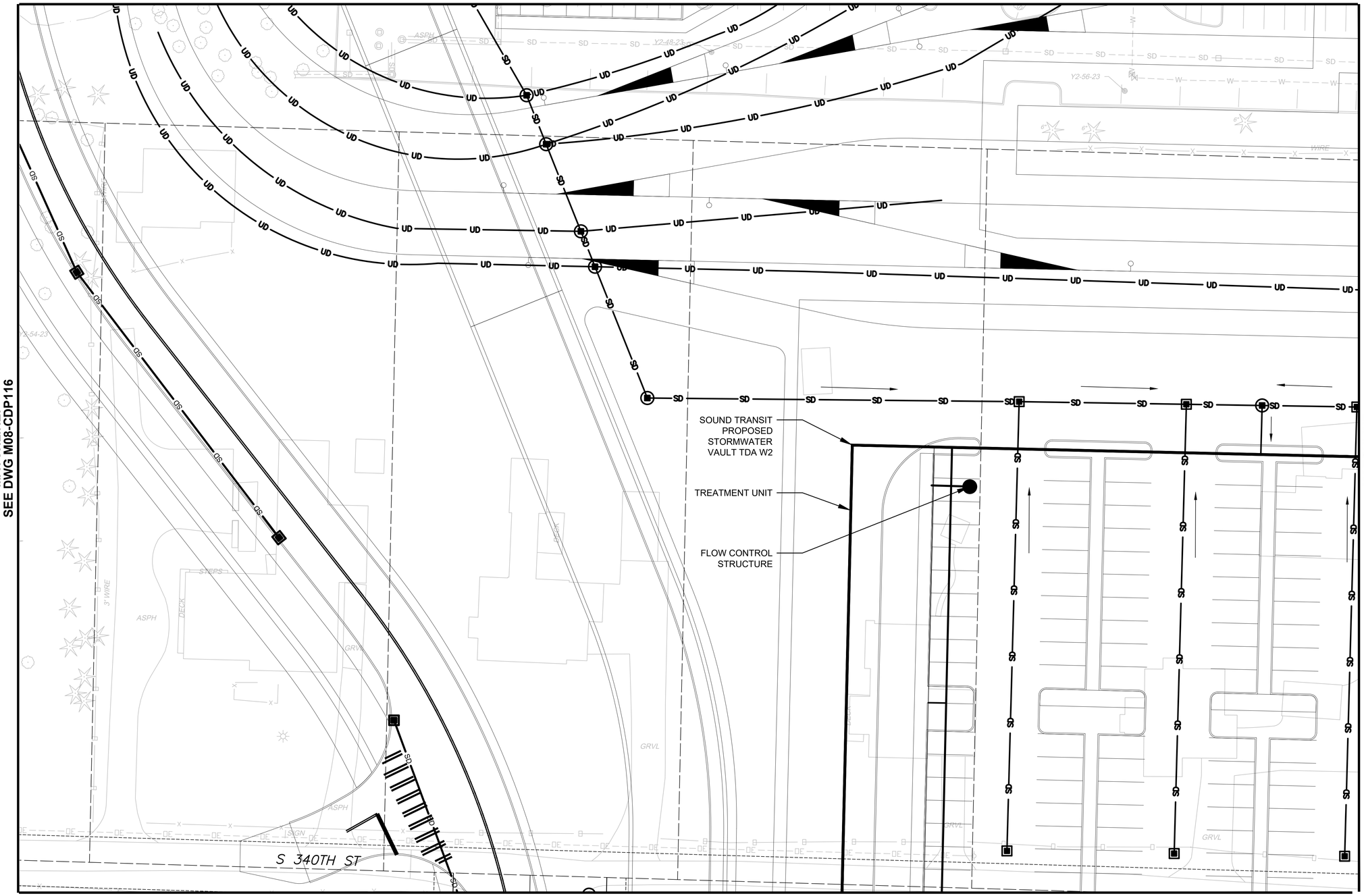
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP116**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:58 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP112



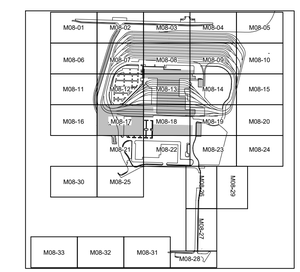
MATCHLINE:
SEE DWG M08-CDP116

MATCHLINE:
SEE DWG M08-CDP118

MATCHLINE:
SEE DWG M08-CDP121

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 28493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

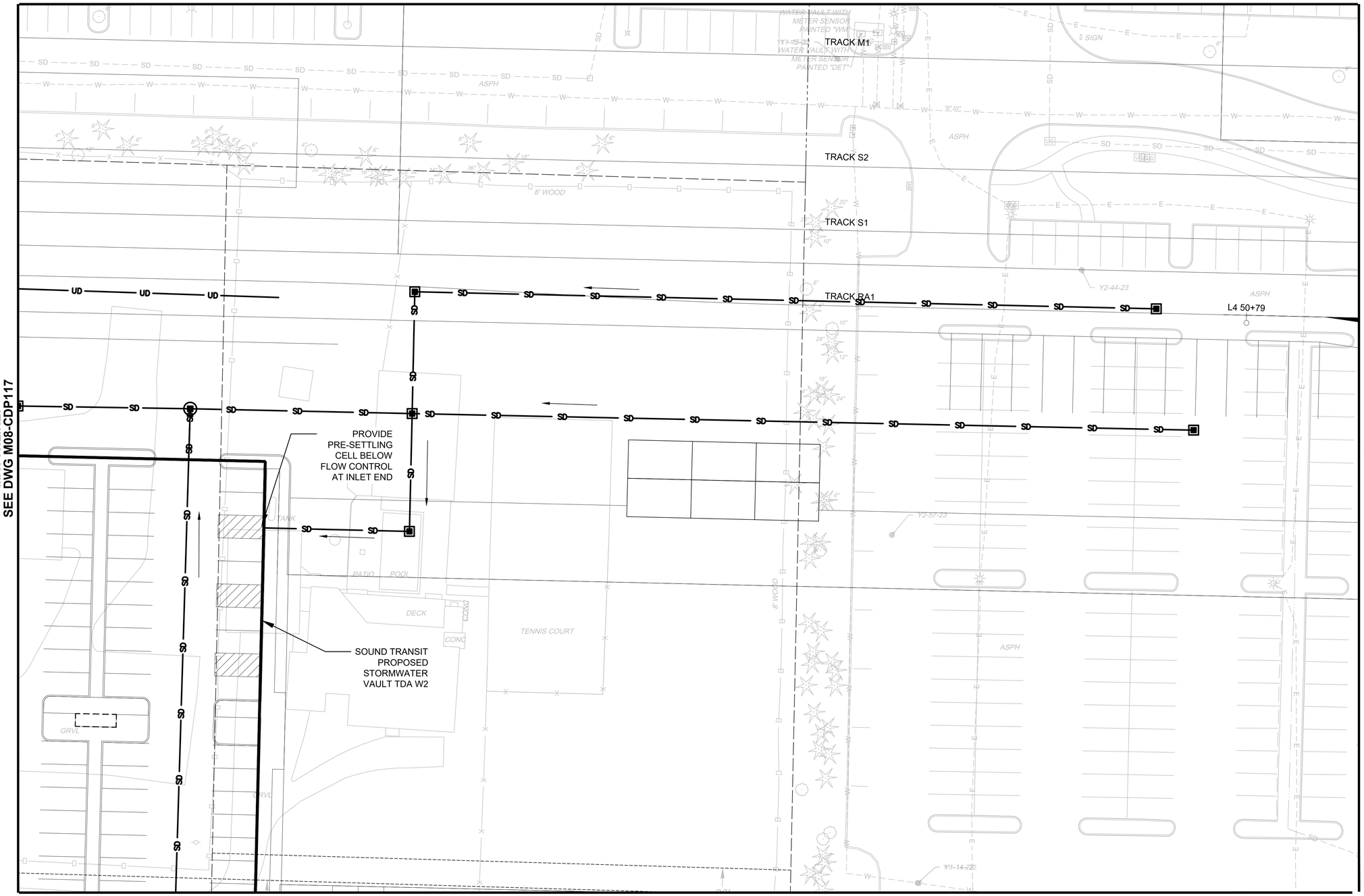
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP117**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:59 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP113



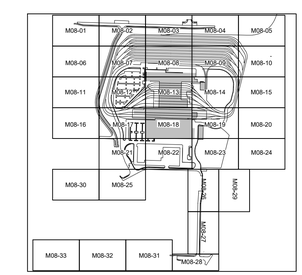
MATCHLINE:
SEE DWG M08-CDP117

MATCHLINE:
SEE DWG M08-CDP119

MATCHLINE:
SEE DWG M08-CDP122

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

MATCHLINE:
SEE DWG M08-CDP122

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP, STATE OF WASHINGTON, 38493, REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

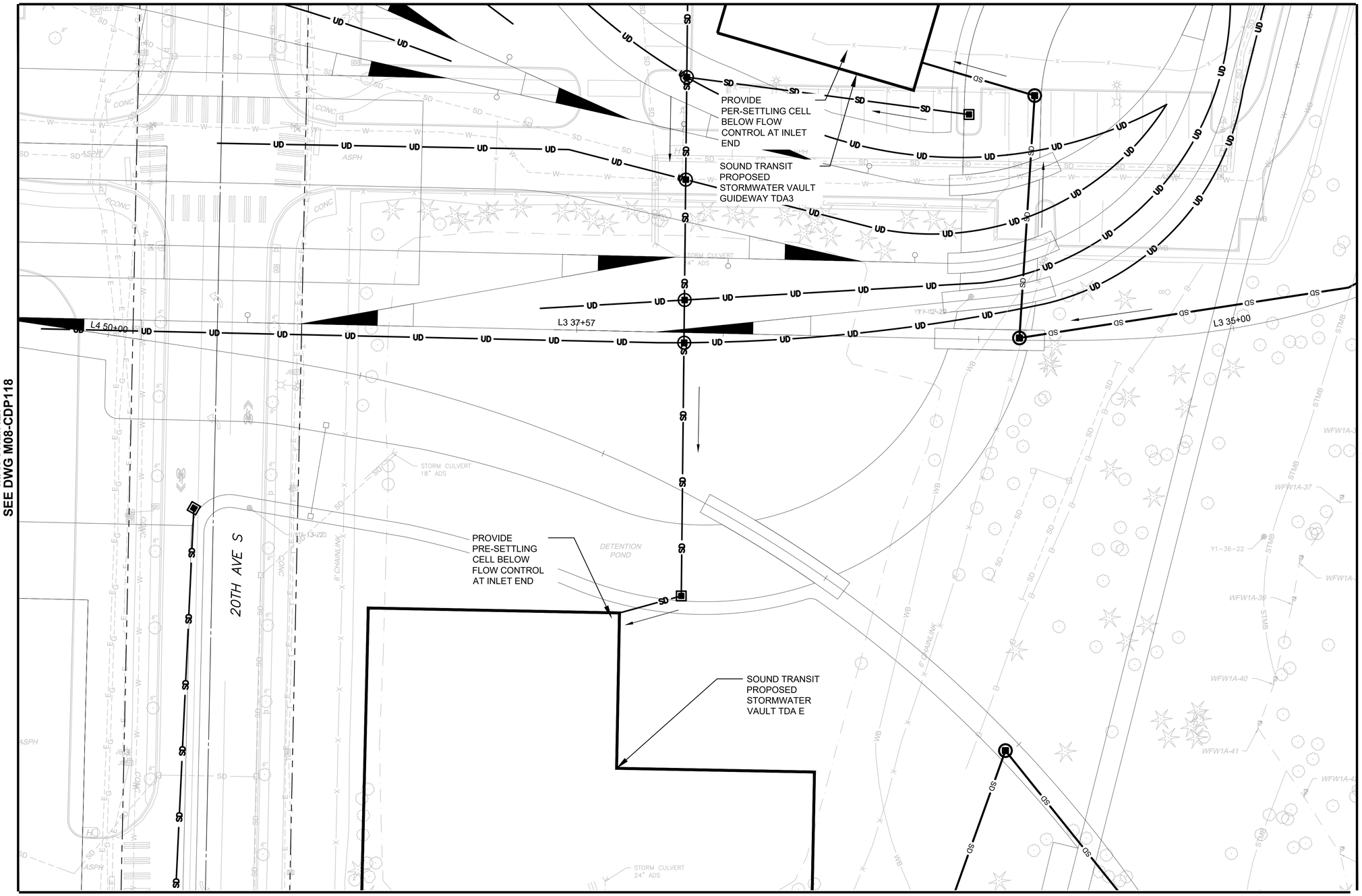
DRAWING No.: **M08-CDP118**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:59 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP114

MATCHLINE:
SEE DWG M08-CDP118

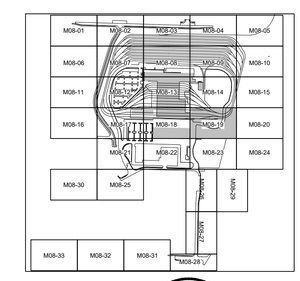
MATCHLINE:
SEE DWG M08-CDP120



MATCHLINE:
SEE DWG M08-CDP123

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

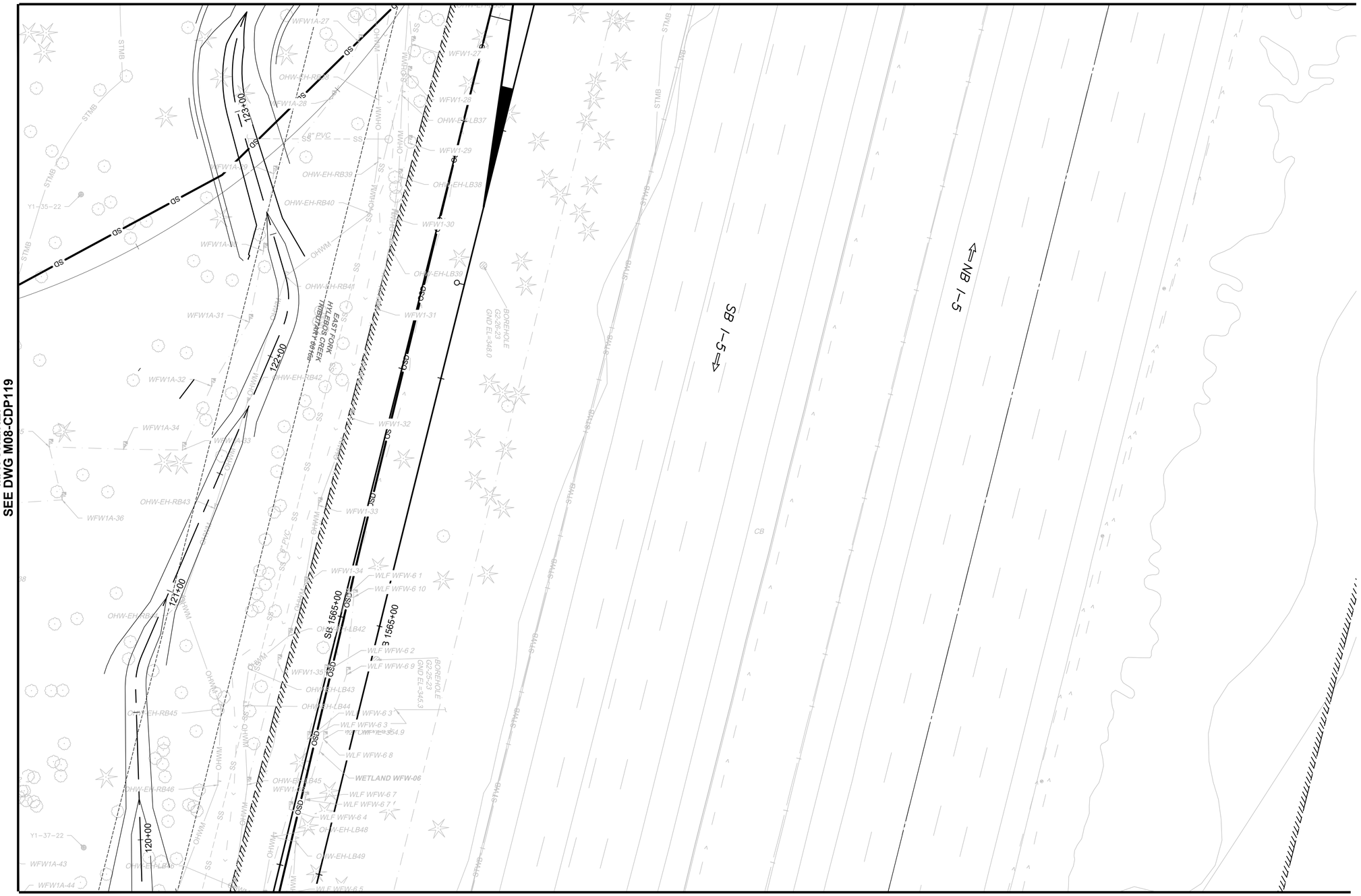
CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP119**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 11:59 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

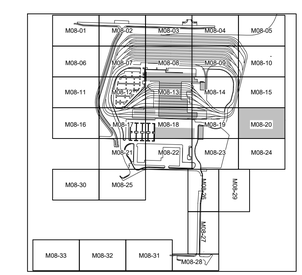
MATCHLINE:
SEE DWG M08-CDP115

MATCHLINE:
SEE DWG M08-CDP119



NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

MATCHLINE:
SEE DWG M08-CDP124

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

No.	DATE	DSN	CHK	APP	REVISION

REFERENCE CONCEPT DRAWINGS

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

AHJ:

JEFFREY L. COOP
STATE OF WASHINGTON
38493
REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

PACKAGE #

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

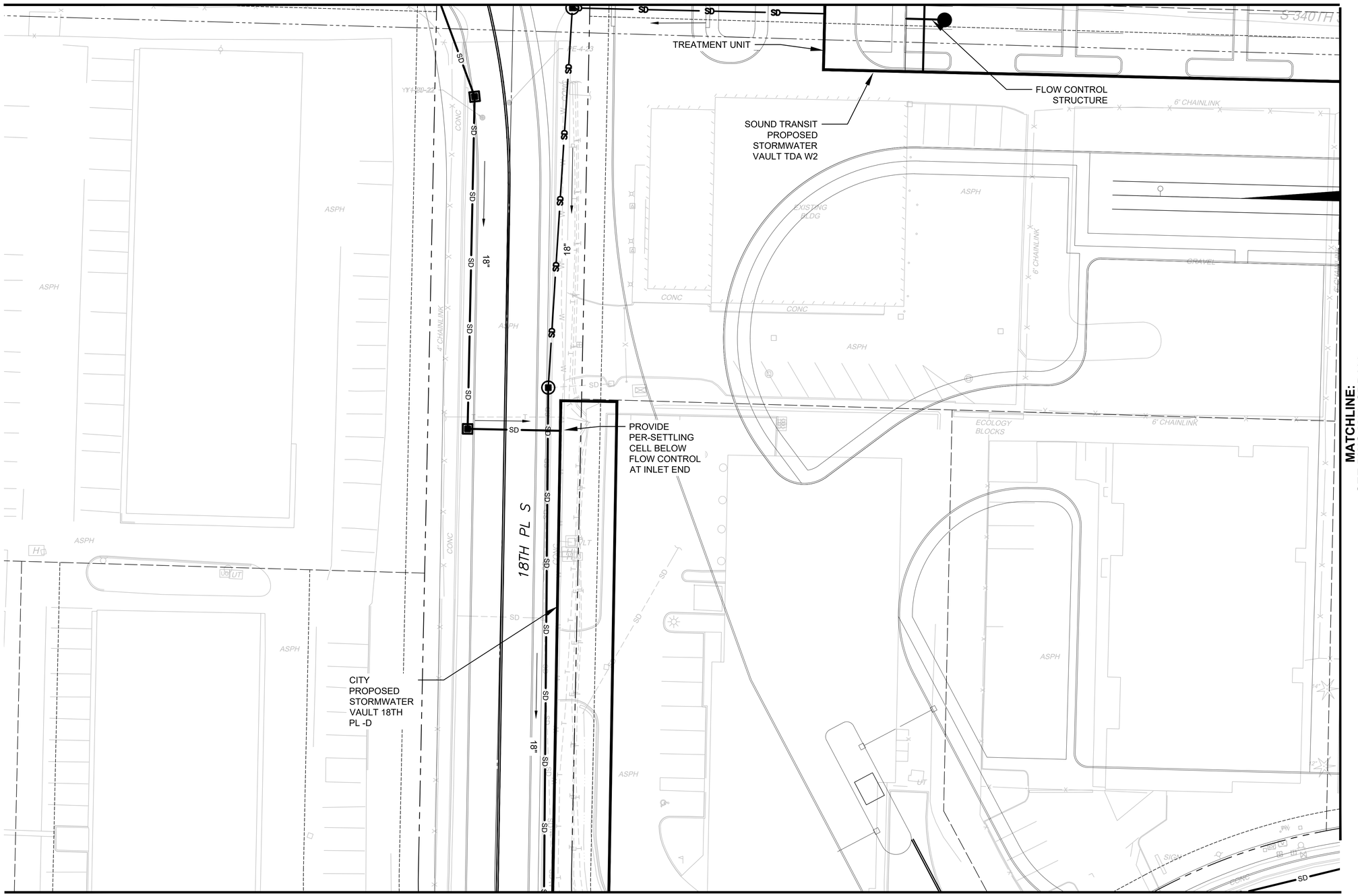
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP120**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 12:00 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP117

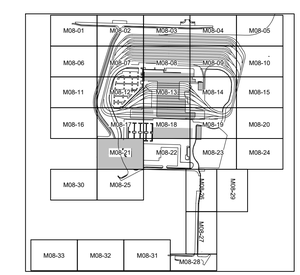


MATCHLINE:
SEE DWG M08-CDP122

MATCHLINE:
SEE DWG M08-CDP125

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

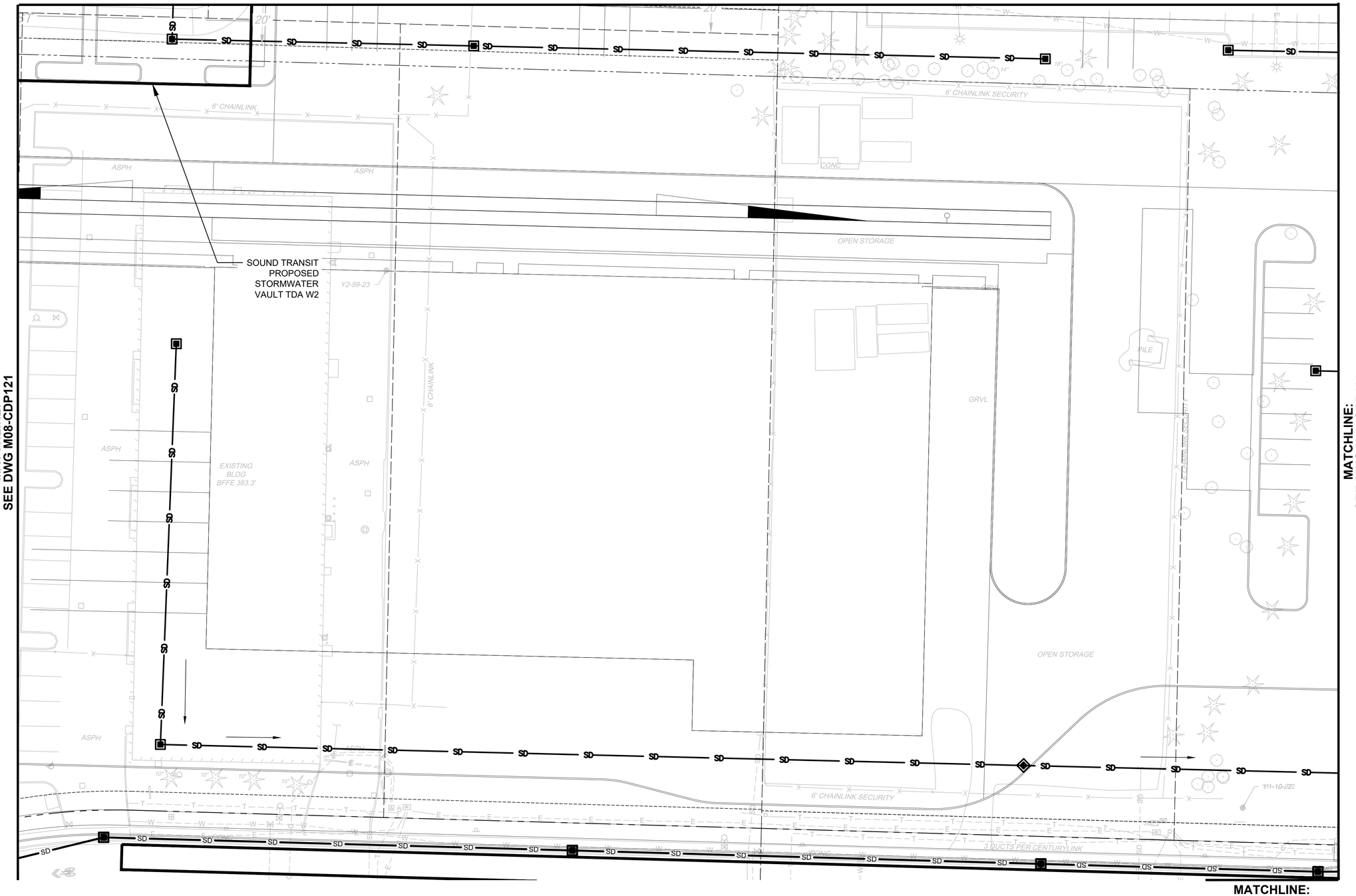
DRAWING No.: **M08-CDP121**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 12:00 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP118

MATCHLINE:
SEE DWG M08-CDP121

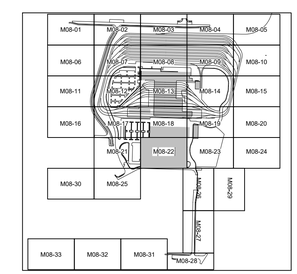
MATCHLINE:
SEE DWG M08-CDP123



MATCHLINE:
SEE DWG M08-CDP126

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

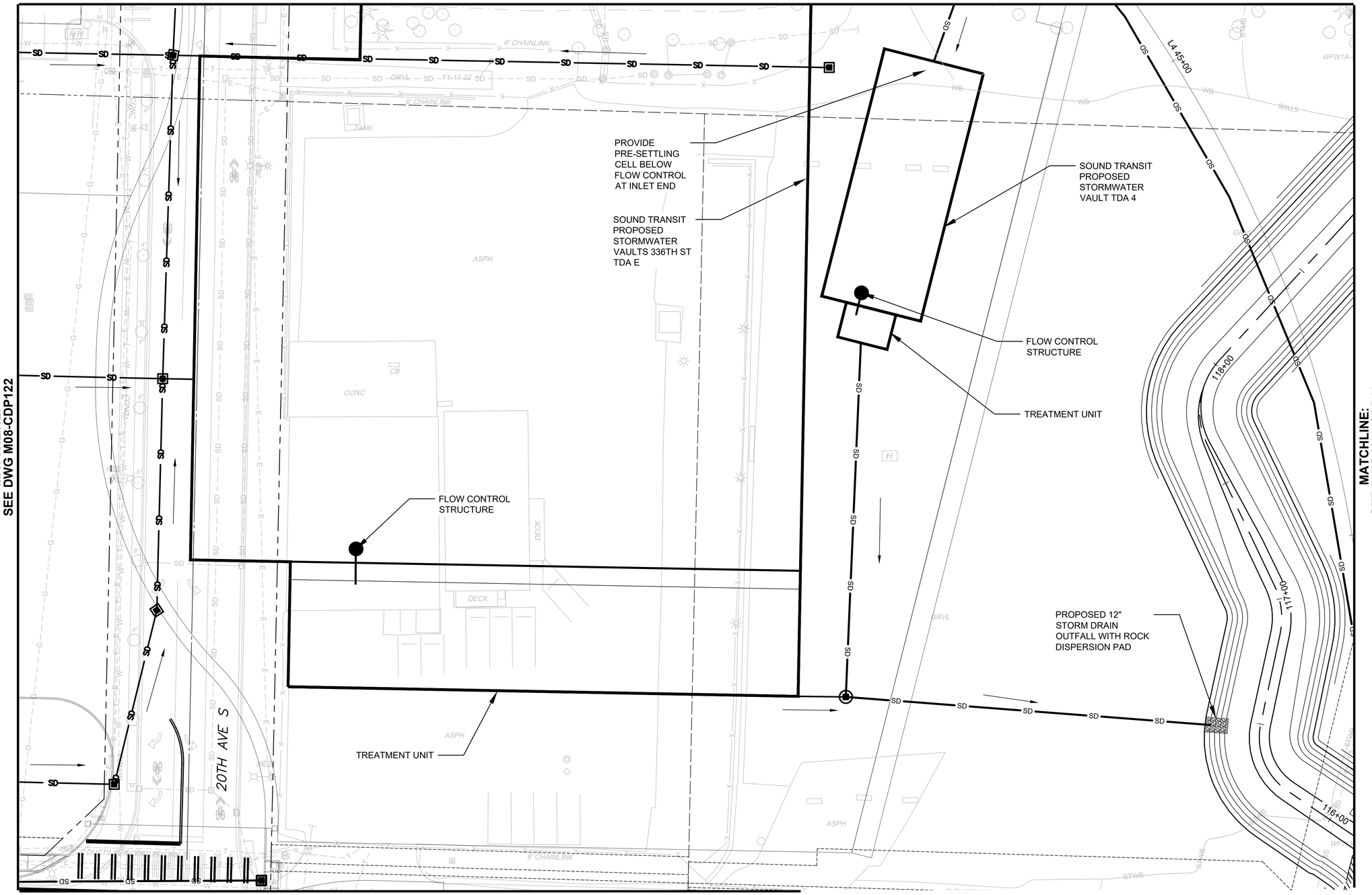
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP122**
FACILITY ID: M08
SHEET No.: REV:

02/21/24 | 12:00 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP119



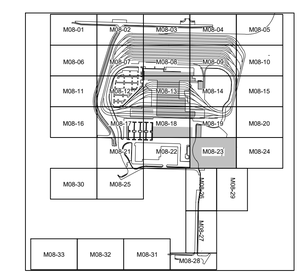
MATCHLINE:
SEE DWG M08-CDP122

MATCHLINE:
SEE DWG M08-CDP124

MATCHLINE:
SEE DWG M08-CDP126

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 48493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

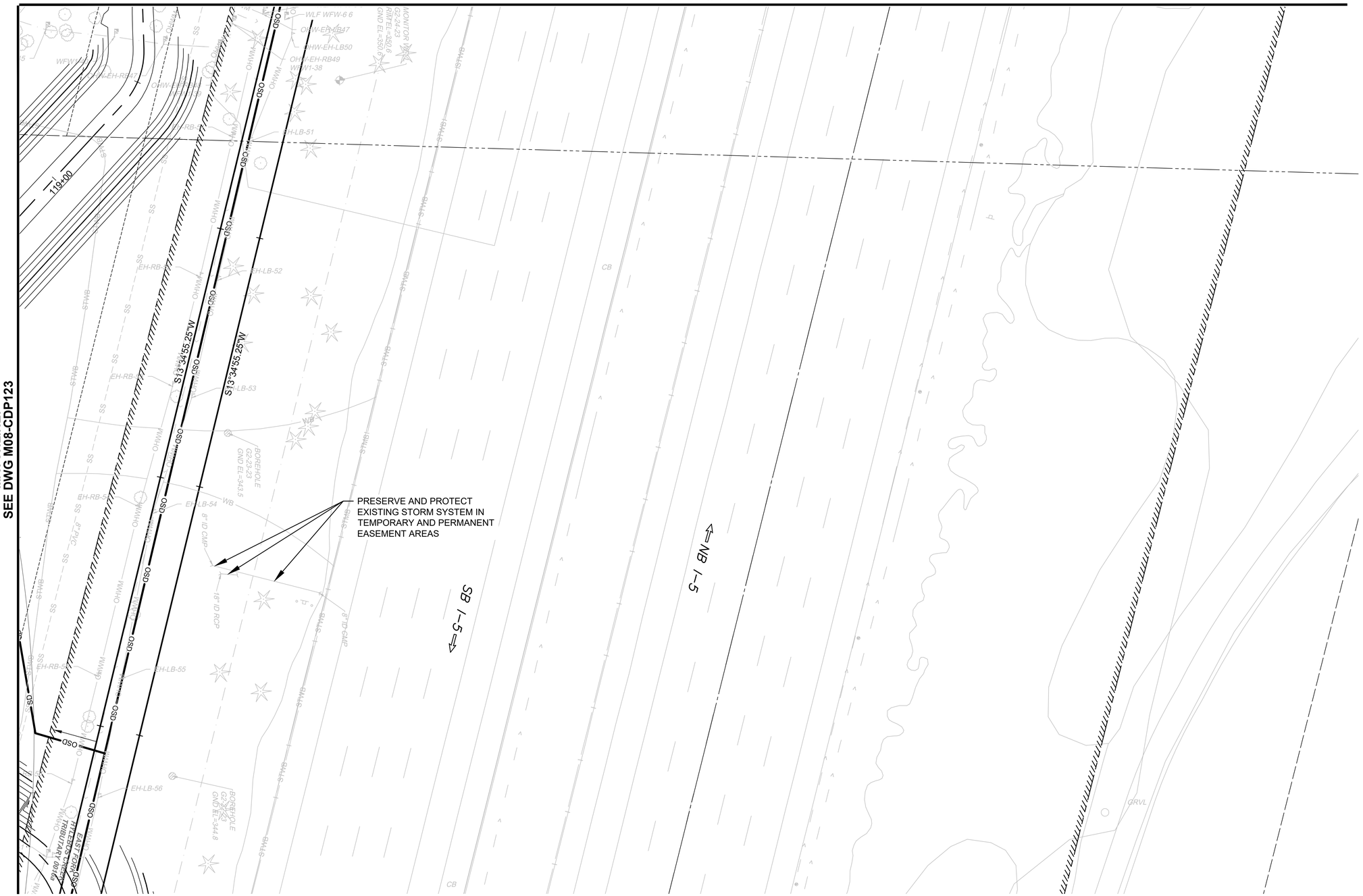
CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP123**
FACILITY ID: M08
SHEET No.:
REV:

02/23/24 | 5:07 PM | GRABOLEN
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

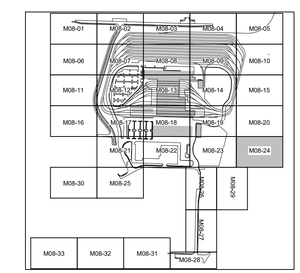
MATCHLINE:
SEE DWG M08-CDP120

MATCHLINE:
SEE DWG M08-CDP123



NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 28493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

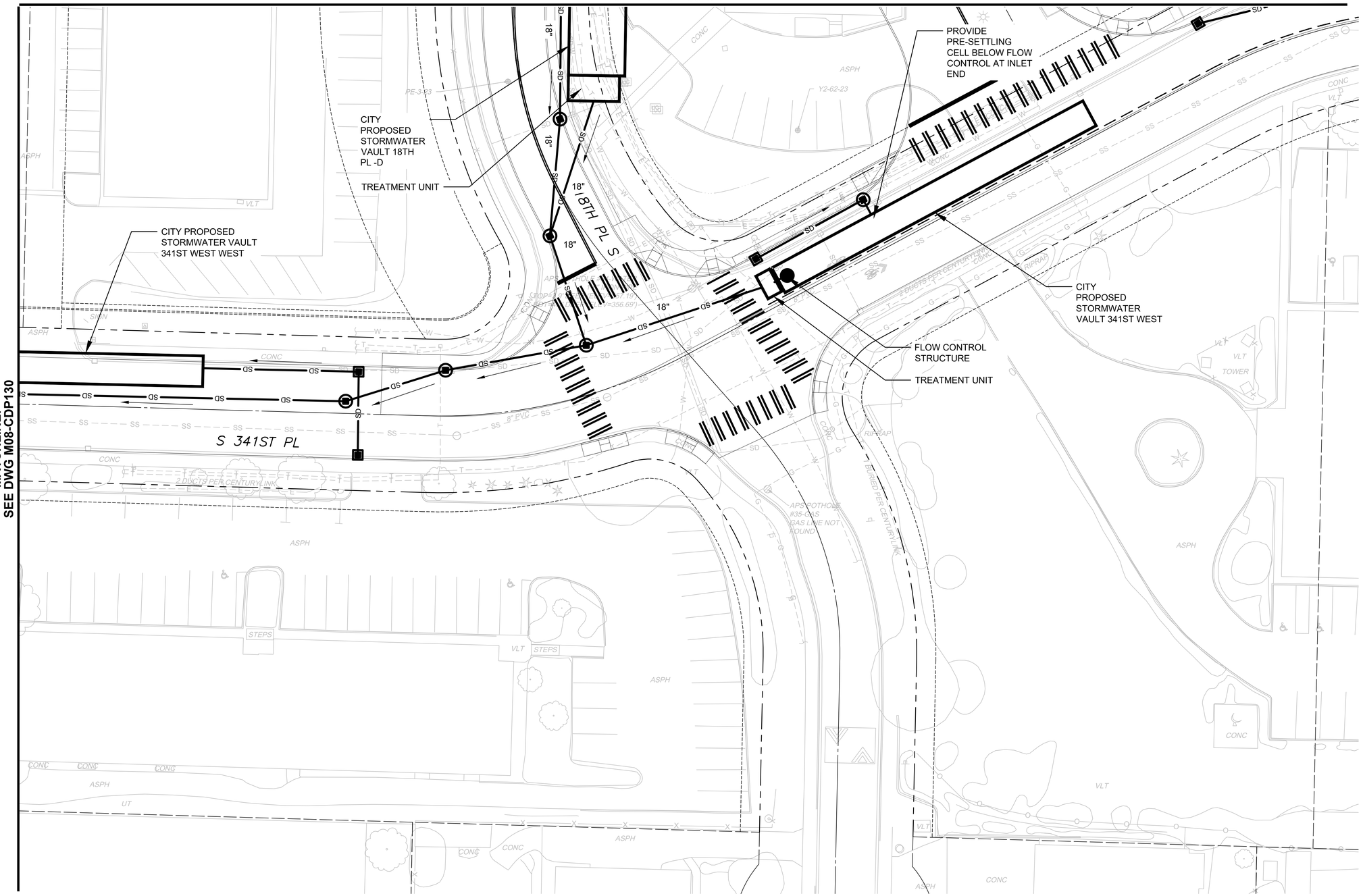
CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP124**
FACILITY ID: M08
SHEET No.:
REV:

02/23/24 | 9:42 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

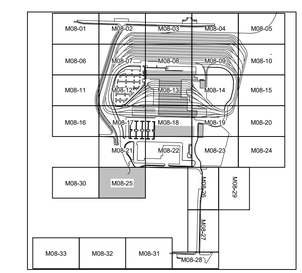
MATCHLINE:
SEE DWG M08-CDP121

MATCHLINE:
SEE DWG M08-CDP130



NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40

SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 28493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

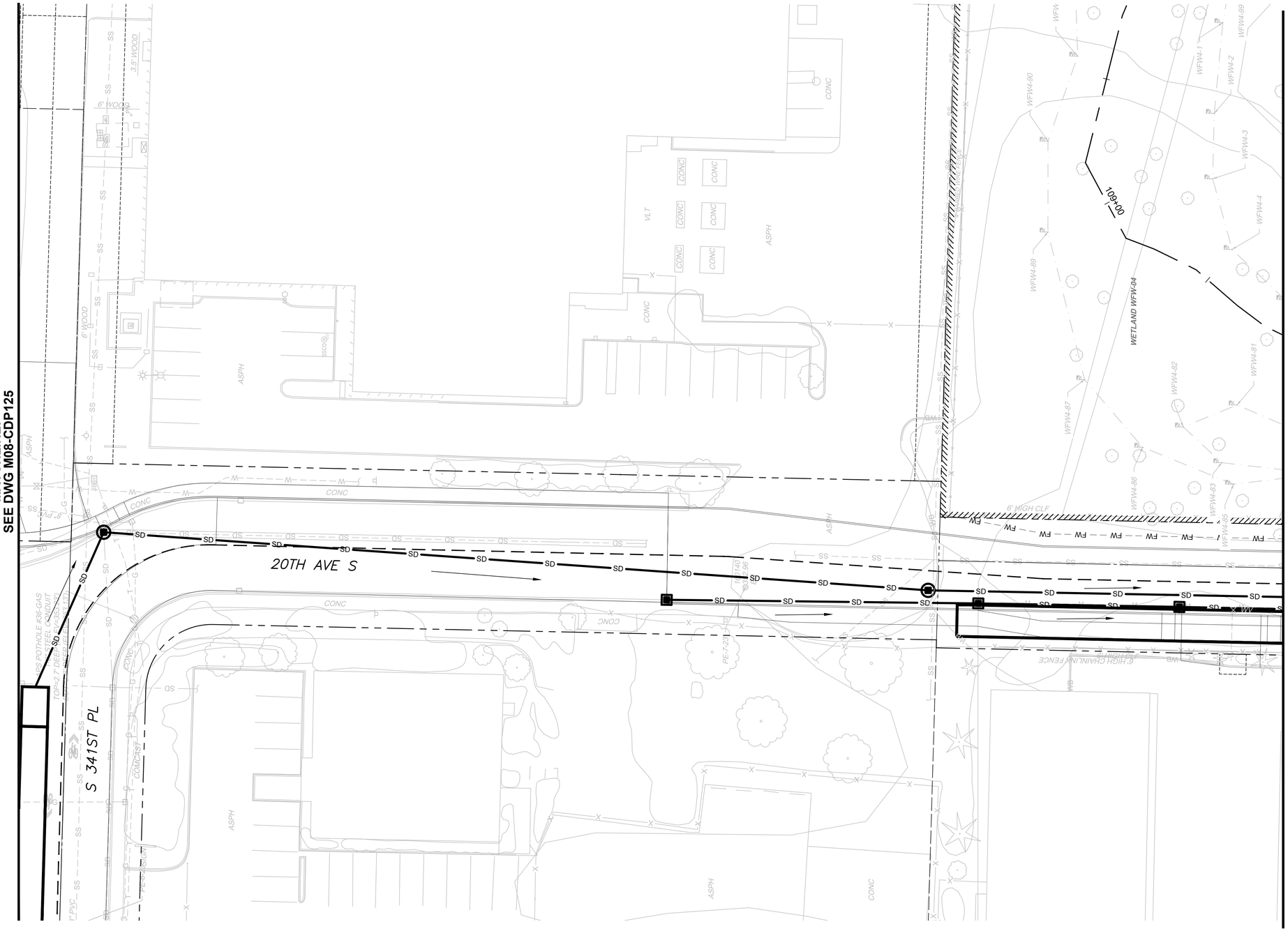
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP125**
FACILITY ID: M08
SHEET No.:
REV:

02/23/24 | 5:23 PM | GRABOLEN
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

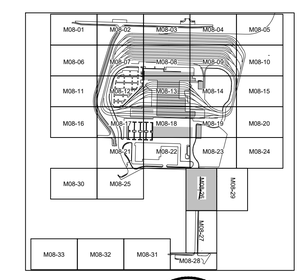
MATCHLINE:
SEE DWG M08-CDP125



MATCHLINE:
SEE DWG M08-CDP127

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

AHJ:

PRELIMINARY — JEFFREY L. COOP, STATE OF WASHINGTON, 38493, REGISTERED PROFESSIONAL ENGINEER

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

PACKAGE #

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

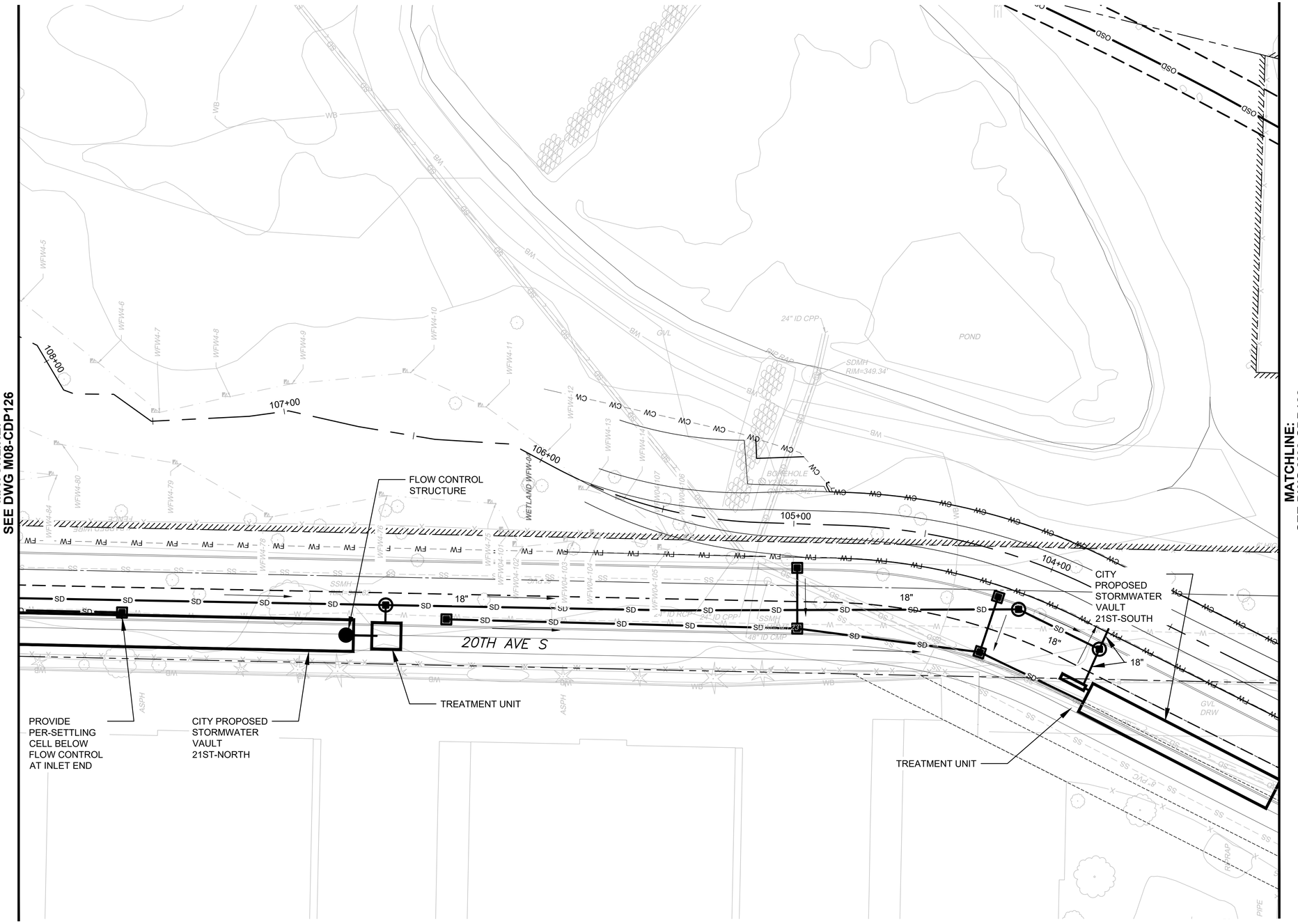
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP126**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 12:02 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

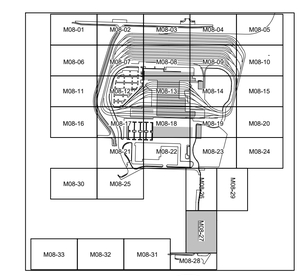
MATCHLINE:
SEE DWG M08-CDP126



MATCHLINE:
SEE DWG M08-CDP128

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

AHJ:

JEFFREY L. COOP — STATE OF WASHINGTON — 28493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

PACKAGE #

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

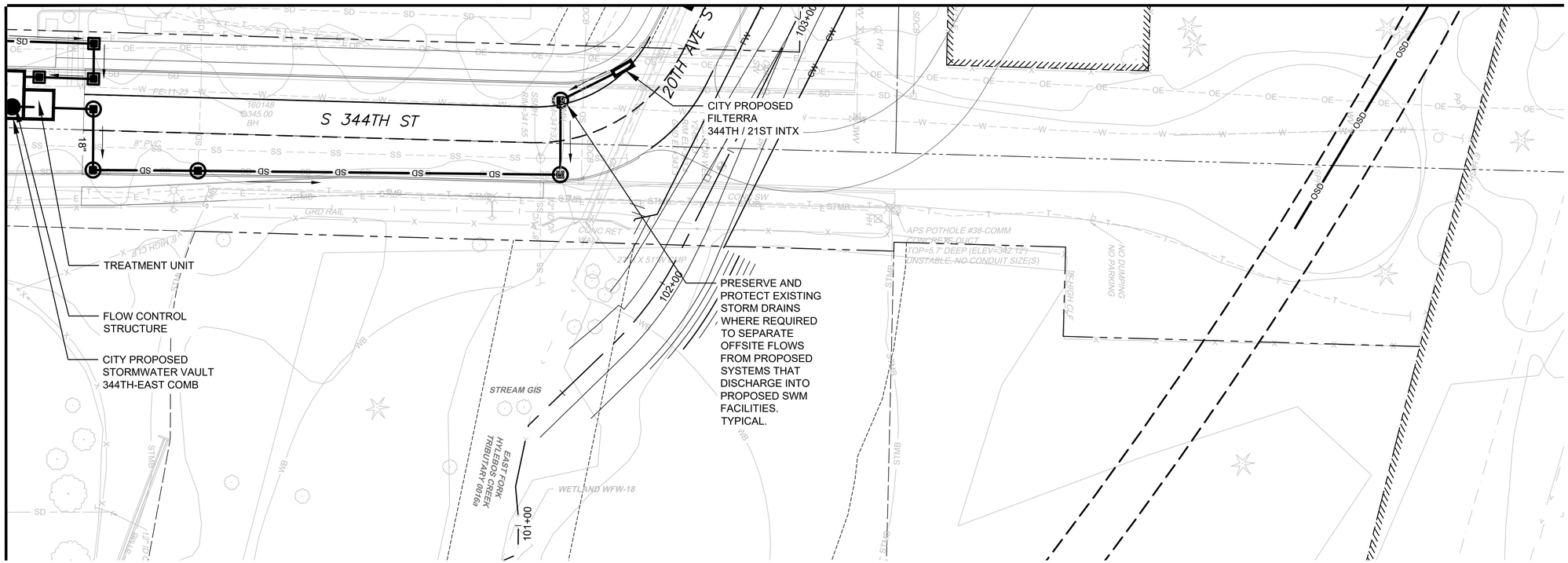
CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP127**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 12:02 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

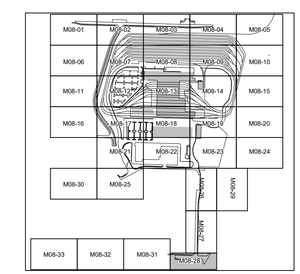
MATCHLINE:
SEE DWG M08-CDP127

MATCHLINE:
SEE DWG M08-CDP130



NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

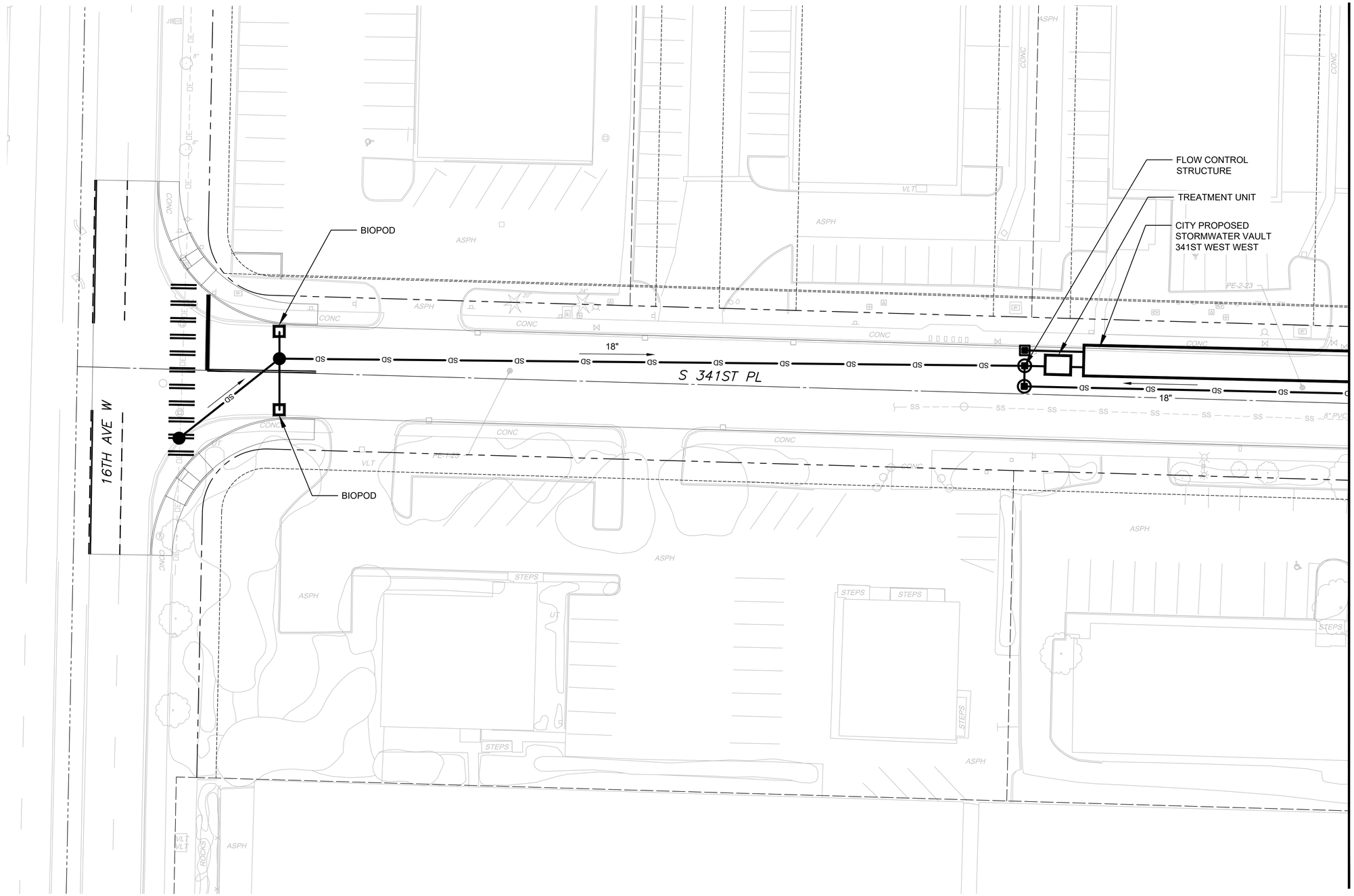
SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

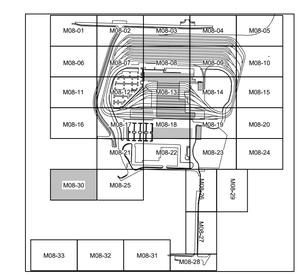
DRAWING No.: **M08-CDP128**
FACILITY ID: M08
SHEET No.:
REV:

02/23/24 | 10:04 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG



NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40

SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

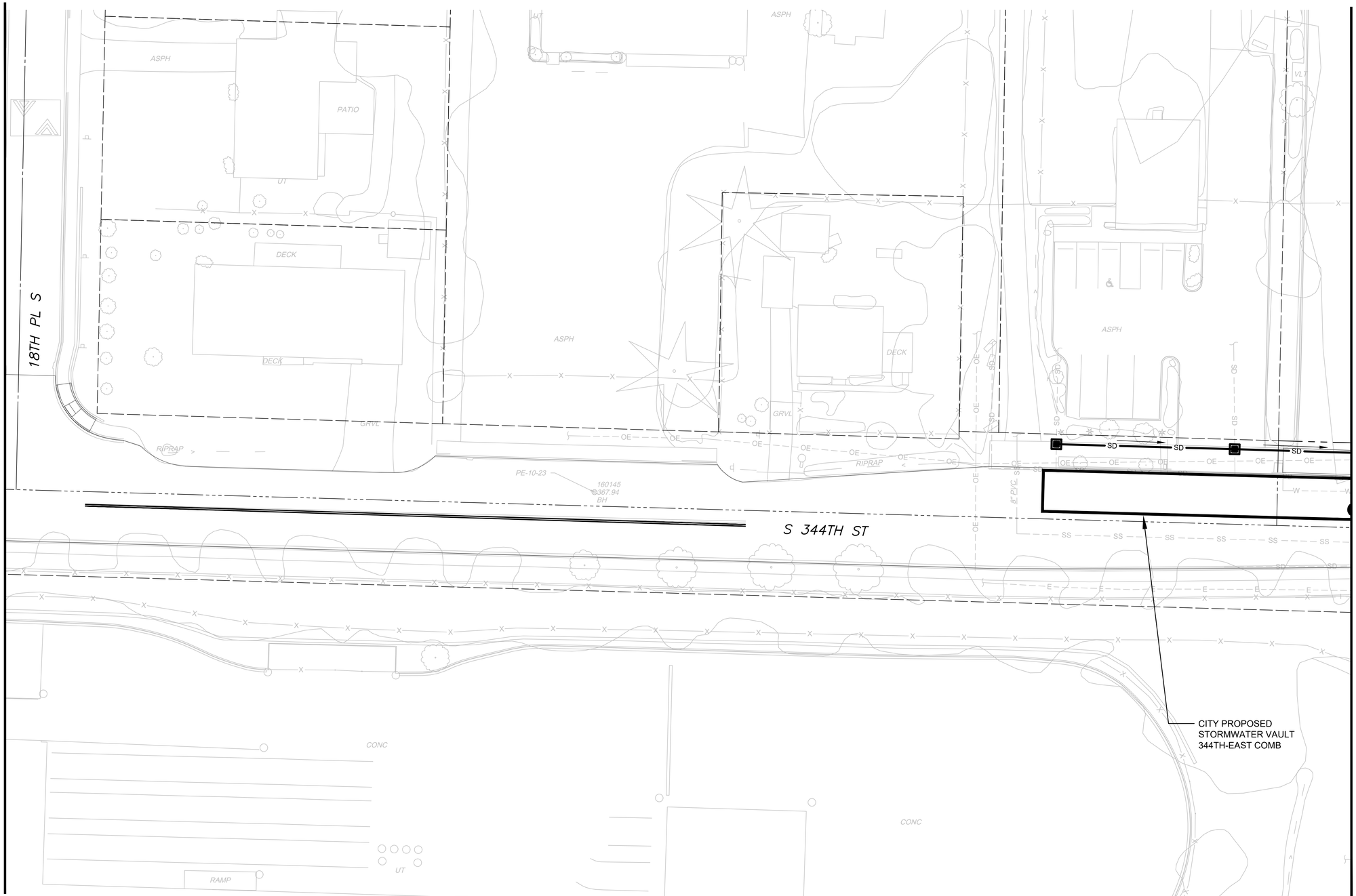
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP130**
FACILITY ID: M08
SHEET No.: REV:

02/23/24 | 10:06 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

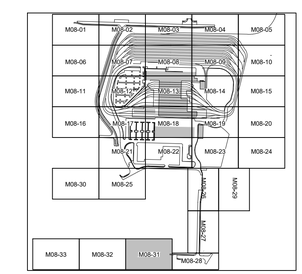
MATCHLINE:
SEE DWG M08-CDP132



MATCHLINE:
SEE DWG M08-CDP128

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP131**
FACILITY ID: M08
SHEET No.:
REV:

02/23/24 | 10:07 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

MATCHLINE:
SEE DWG M08-CDP133

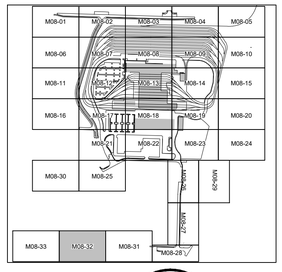
MATCHLINE:
SEE DWG M08-CDP131

S 344TH ST

CITY PROPOSED
STORMWATER VAULT
344TH-EAST COMB

NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40
SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

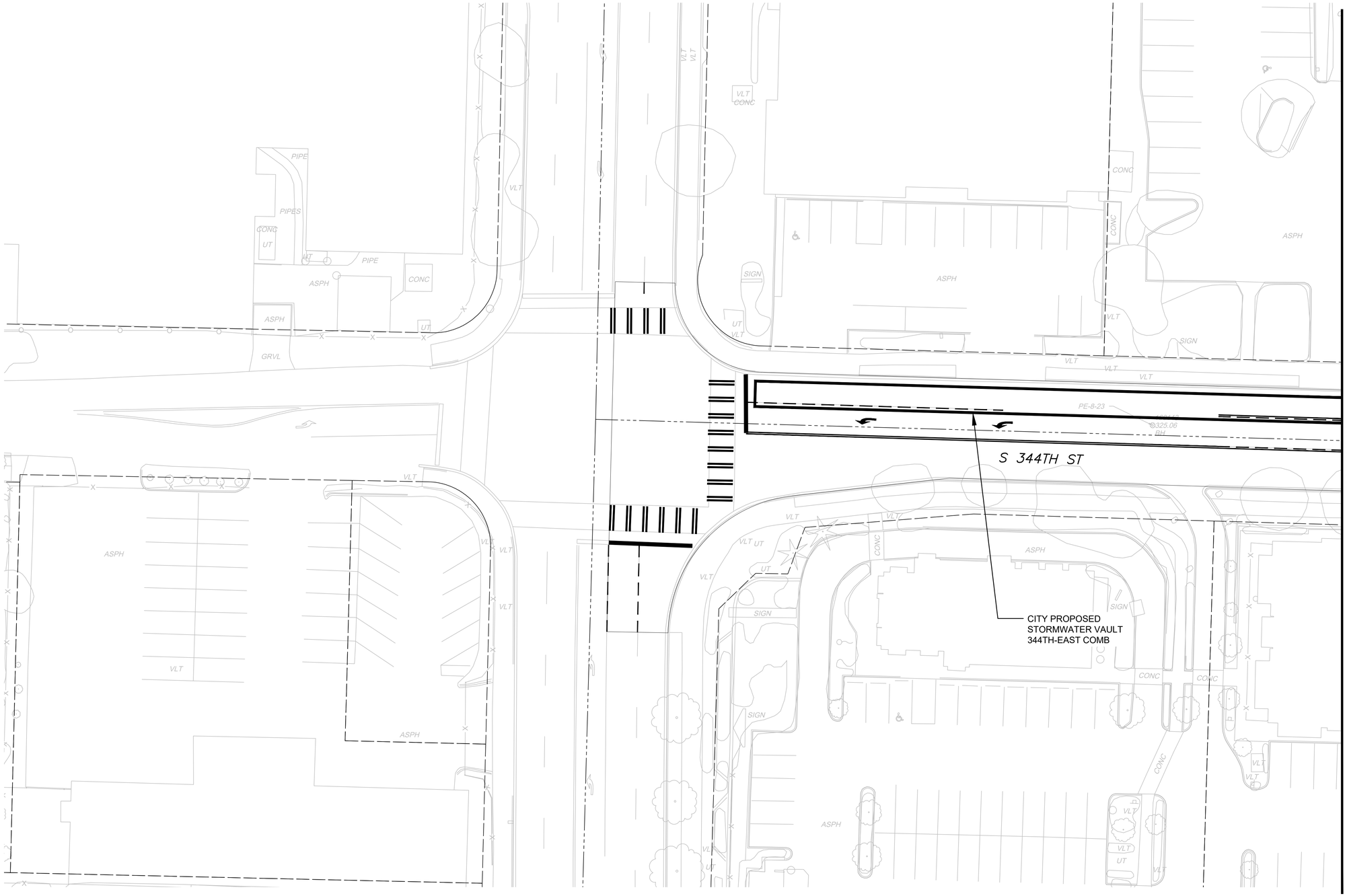
SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

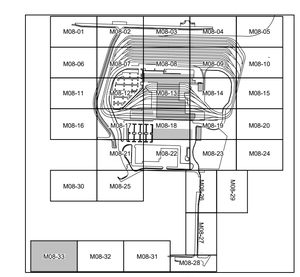
DRAWING No.: **M08-CDP132**
FACILITY ID: M08
SHEET No.:
REV:

02/23/24 | 10:09 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG



NOTES:

1. REMOVE EXISTING STORM DRAINS AND DRAINAGE STRUCTURES AT CONFLICTS WITH PROPOSED STORM DRAIN, PROPOSED DRAINAGE STRUCTURES, OR PROPOSED STORMWATER FACILITIES. RELOCATE STORM DRAINS OR REPLACE EXISTING DRAINAGE STRUCTURES AS REQUIRED.
2. ALL PROPOSED UNDERGROUND STORM DRAIN 12-INCH DIAMETER UNLESS NOTED OTHERWISE.



N

20 10 0 20 40

SCALE IN FEET

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH

CIVIL
DRAINAGE PLAN

DRAWING No.: **M08-CDP133**
FACILITY ID: M08
SHEET No.:
REV:

02/23/24 | 10:10 AM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

STHDR
OMFS Phase 3

SWM Facility Summary

Ownership		ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	Private	Private	City		City	City	City	City	City	City	City	City	City	City
Type		Vault	Vault	Vault	Pond	Pond	Vault	Vault	Vault	Vault	Vault	Vault	Vault	Vault	Vault		Vault	Vault	Vault	Vault	Vault	Vault	Vault	Pond	Vault	Vault
General Location		Commons Mall	Park & Ride	Belmor Park	Oakland Hills Blvd, north of 330th	Oakland Hills Blvd, north of 330th	24th / Oakland Hills Blvd, south of 330th	OMFS site	OMFS site	OMFS site	OMFS site	OMFS site	Belmor Park	Oakland Hills Blvd at 330th	24th, north of 333rd		336th east of 20th	North of 344th	North of 344th	Near 18th	Near Pac Hwy	Near 21st	Near 21st	Near Pac Hwy	Near 341st	Near 21st
Notes																										
WWHM File		OMFS_S08_Guideway_1FT_SF_RISER.*			OMFS_S08_Guideway_2A_South.*		OMFS_S08_2BN_2BS_TPSS_1FT_SF_RISER.*	OMFS_S08_Guideway_1FT_SF_RISER.*		OMFS_M08_Site_1FT_SF_RISER.*			OMFS Offsite_1FT_SF_RISER.*				OMFS Offsite_1FT_SF_RISER.*	OMFS Offsite ShallowVault_1FT_SF_RISER.*		OMFS 341ST_1FT_SF_RISER.*				OMFS Offsite 18th Alt A B C Pond.*	OMFS Offsite 18th Alt_1FT_SF_RISER.*	OMFS Offsite_344TH_REDEVEL_1FT_SF_RISER.*
Basin	Unit	1A-A	1.0000	2A-North	2A-South: North Pond	2A-South: South Pond	GUIDEWAY 2B NORTH, 2B SOUTH, AND ACCESS ROAD TPSS, ALL IMPERVIOUS	3.0000	4.0000	W1	W2	E	WINGED FOOT	OAKLAND HILLS	24TH 2B	336th West+East COMB	336th East	21ST SOUTH END	21ST NORTH END	341ST WEST	341ST WEST WEST	341ST EAST	344th West Redevel	18TH A+B+C	18th Pl Ext - D	344the East-Comb
Presettling Cell Bottom Length	ft	29	28	37	19	19	61	61	38	119	128	176	22	10	0	37	21	11	25	18	32	34	34	0	29	21
Presettling Cell Bottom Width	ft	10	9	12	6	6	20	20	13	40	43	59	7	3	0	12	7	4	8	6	11	11	11	0	10	7
Presettling Cell Bottom Area	sq ft	275	253	454	120	120	1,248	1,259	485	4705	5499	10291	167	33	0	458	151	38	206	111	340	379	388	0	285	146
Presettling Cell Side Slope	XH:1V	0.0000	0.0000	0.0000	3.0000	3.0000	0	0.0000	0.0000	0	0	0	0	0	0	0.0000	0	0	0	0	0	0	0	3	0	0
Presettling Cell Top Length	ft	29	28	37	43	43	61	61	38	119	128	176	22	10	0	37	21	11	25	18	0	34	34	24	29	21
Presettling Cell Top Width	ft	10	9	12	30	7	20	20	13	40	43	59	7	3	0	12	7	4	8	6	11	11	11	24	10	7
Presettling Cell Top Area	sq ft	275	253	454	1,304	1,304	1,248	1,259	485	4,705	5,499	10,291	167	33	0	458	151	38	206	111	340	379	388	578	285	146
Bottom Area	sq ft	2,080	2,250	5,200	5,712	5,712	14,175	9,600	4,000	40,103	38,646	73,008	2,340	420	4,380	6,240	2,100	960	3,000	1,520	2,100	5,280	6,000	7,840	4,818	2,000
Bottom Length	ft	80	90	100	168.00	168.00	175.00	160	100	337	342	468	90.0000	30.0000	365	208.0000	70.0000	80	250	95.0000	175	160.0000	500.0000	140.00	219	125.0000
Bottom Width	ft	26	25	52	34.00	34.00	81.00	60	40	119	113	156	26.0000	14.0000	12	30.0000	30.0000	12	12	16.0000	12	33.0000	12.0000	56.00	22	16.0000
Effective Depth	ft	8.1000	8.1000	5.5000	5.5000	5.5000	5.5000	8.1	8.1	8.1000	8.1000	8.1000	5.5000	5.5000	5.5000	5.5000	5.5000	3.0000	4.5000	5.0000	5.5000	5.0000	5.0000	5.2500	4.0000	5.0000
Riser Height	ft	7.1000	7.1000	4.5000	4.5000	4.5000	4.5000	7.1000	7.1000	7.1000	7.1000	7.1000	4.5000	4.5000	4.5000	4.5000	4.5000	2.0000	3.5000	4.0000	4.5000	4.0000	4.0000	4.2500	3.0000	4.0000
Riser Diameter	in	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000
Side Slope	XH:1V	0.0000	0.0000	0.0000	3.0000	3.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.0000	0.0000	0.0000
Orifice 1 Diameter	in	0.3900	0.3750	0.5300	0.6800	0.6800	0.9500	0.8300	0.5150	1.9000	1.8800	2.5300	0.3300	0.1550	0.5000	0.6200	0.3600	0.2020	0.4150	0.2950	0.5050	0.5450	0.5500	0.6850	0.5150	0.3380
Orifice 2 Diameter	in	0.5150	0.5100	0.0000	0.0000	0.0000	2.0000	1.1140	0.6890	3.05	2.51	3.36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Orifice 2 Height	ft	4.0000	4.0000	0.0000	0.00	0.00	4.0000	4.0000	4.0000	4.00	4.00	4.00	0.0000	0.0000	0.0000	2.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Orifice 3 Diameter	in	0.65	0.60	0.00	0.0000	0.0000	3.00	1.38	0.86	3.65	3.13	4.19	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Orifice 3 Height	ft	5.00	5.00	0.00	0.00	0.00	4.25	5.00	5.00	5.00	5.00	5.00	0.0000	0.0000	0.0000	2.9000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Notch Height	ft	0.0000	0.0000	0.9000	1.3000	1.3000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.9000	0.9000	0.9000	0.9000	0.9000	0.2500	0.9000	0.9000	0.9000	0.9000	0.9000	1.2500	0.9000	0.9000
Notch Width	ft	0.0000	0.0000	0.0240	0.0240	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0090	0.0018	0.0180	0.0260	0.0090	0.0100	0.0110	0.0060	0.0170	0.0200	0.0200	0.0240	0.0155	0.0077
Sand Filter Length	ft	10	15	25	N/A	N/A	32.5	35	14	100	125	150	18	2	18	13	12	10.0	11.0	10.0	7.5	25.0	20.0	N/A	20	12.0
Sand Filter Width	ft	15	10	10	N/A	N/A	20	20	20	30	28	40	5	8	10	20.0000	8	2.0	10.0	6.5	10.0	10.0	10.0	N/A	10	8.0
Effective Depth	ft	2	2	2	N/A	N/A	2	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	0.9000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	N/A	2.0000	2.0000
Riser Height	ft	1.0000	1.0000	1.0000	1.0000	N/A	0.9000	1.0000	1.0000	0.9000	0.9000	0.9000	0.9000	1.0000	1.0000	2.0000	0.9000	1.0000	1.0000	1.0000	0.9000	0.9000	0.9000	N/A	0.9000	0.9000
Riser Diameter	in	24.0000	24.0000	24.0000	N/A	N/A	36	24	24	36.0000	36.0000	36.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	N/A	24.0000	24.0000
Filter Thickness	ft	1.5000	1.5000	1.5000	N/A	N/A	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	1.5000	N/A	1.5000	1.5000
Hydraulic Conductivity	in/hr	1.0000	1.0000	1.0000	N/A	N/A	1	1	1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.5000	1.0000	1.0000	N/A	1.0000	1.0000
24-hour water quality treatment volume	ac ft	0.0765	0.0703	0.1264	0.1814	0.1814	0.3472	0.3504	0.1349	1.3093	1.5301	2.8637	0.0466	0.0091	0.0888	0.1275	0.0420	0.0105	0.0574	0.0308	0.0421	0.1054	0.1079	0.1899	0.0792	0.0407
	cu ft	3,332.34	3,062.27	5,505.98	7,901.78	7,901.78	15,124.03	15,263	5,878	57,033	66,651	124,743	2,029.90	396.40	3,868.13	5,554	1,829.52	457.38	2,500.34	1,341.65	1,833.88	4,591.22	4,700.12	8,272.04	3,449.95	1,772.89

NOTES:
1. Analysis is for <10,000 sq ft of redeveloped area. Combining with adjacent proposed Sound Transit facility may be considered by the design builder during final design subject to agreement between Sound Transit and the City or private owner. Design builder may consider exemption from providing a SWM facility based on final design.
2. This table represents data in WWHM2012 analyses and does not account for added facility footprint for allowances such as maintenance acess and interal structural walls.

BioPod treatment BMPs for City or Private facilities							
In areas without flow control							
		BIOPOD SIZING CALCULATIONS					
Facility		24th 2A North	341st West West WQ Only - NORTH	341st West West WQ Only - SOUTH	24TH 2B WQ AREA NO FC	336TH EAST EAST NORTH	336TH EAST EAST SOUTH
On-line WQ treatment flow rate	cfs	0.0331	0.0201	0.0376	0.0308	0.0774	0.0323
	gpm	16	9	18	15	36	15
Media area	sf	10	6	11	9	23	10
Unit 1 Designation		1	1	2	2.0000	3	1
Unit 1		4x4 Unit	4x4 Unit	4x6 Unit	4x6 Unit	4x8 Unit	4x4 Unit
Area 1		10.0000	10.0000	18.0000	18.0000	26.0000	10.0000
Unit 2 Designation		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unit 2		None	None	None	None	None	None
Area 2		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total area provided	sf	10.0000	10.0000	18.0000	18.0000	26.0000	10.0000

StormFilter treatment BMPs for City or Private facilities		
No flow control structure		
Facility		344TH / 21ST INTX
On-line treatment flow rate	cfs	0.0292
	gpm	13.11
Cartridge height	in	18
Flow rate per cartridge	gpm/each	7.5
# of cartridges		2.0
Hydraulic Drop	ft	2.30
100 year flow rate	cfs	0.14
Unit peak hydraulic capacity per mfi	cfs	1.00

Notes:
Based on 2 cartridge Catch Basin StormFilter which comes with 18" or 27" cartridge.

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

AHJ:

PACKAGE #

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

JEFFREY L. COOP — STATE OF WASHINGTON — 38493 — REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

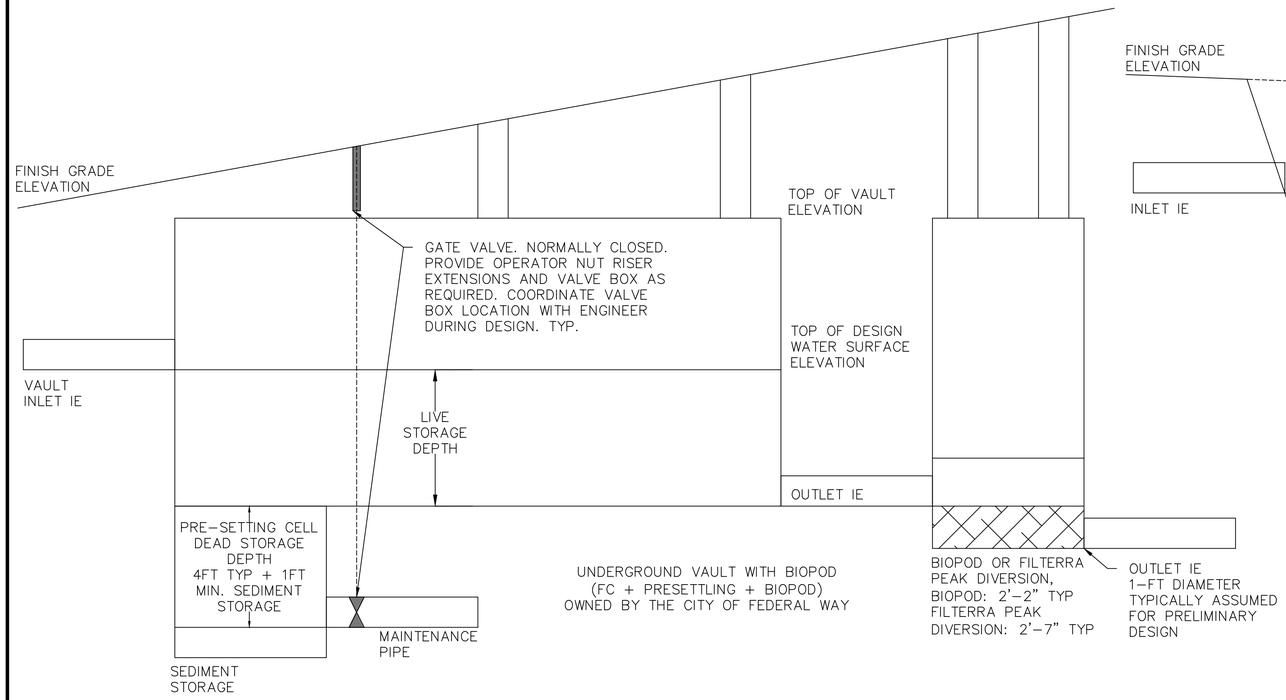
SOUNDTRANSIT

SCALE: NTS
FILENAME: OMFS-M08-CDP101-134
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

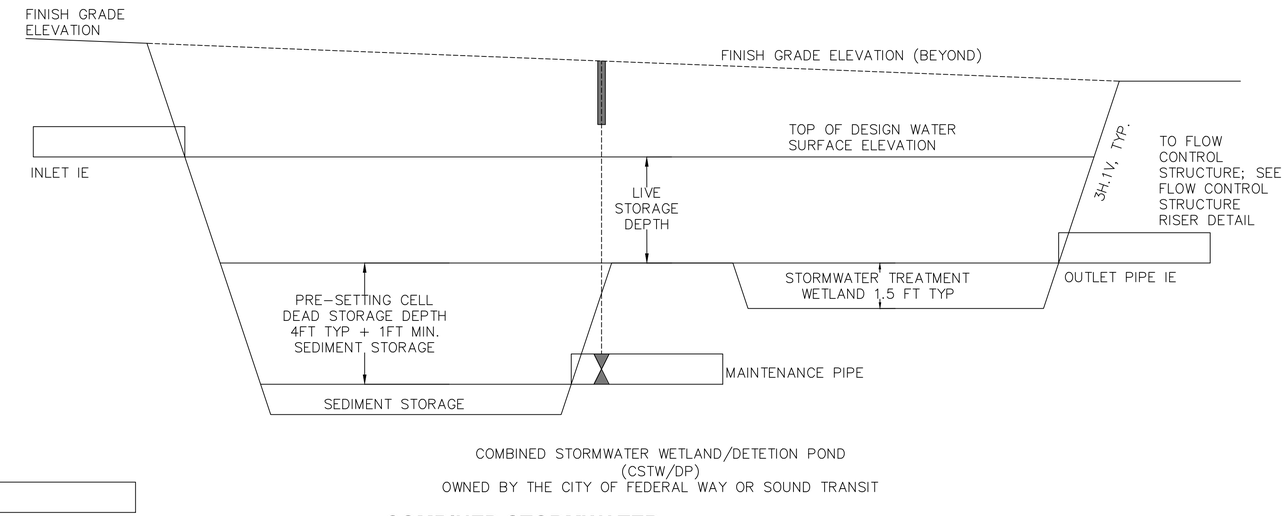
SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
CIVIL
DRAINAGE DETAILS

DRAWING No.: **M08-CDP134**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 12:04 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDP101-134.DWG

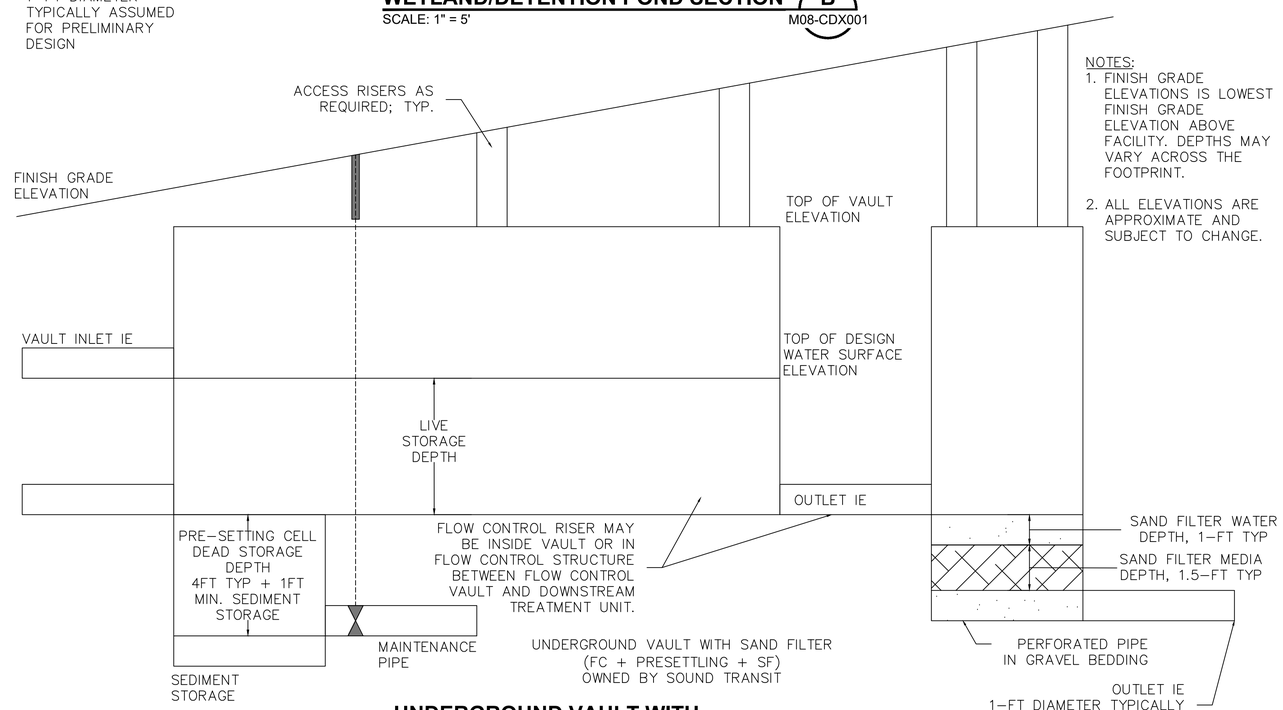


UNDERGROUND VAULT WITH BIOPOD SECTION (A) M08-CDX001
SCALE: 1" = 5'



COMBINED STORMWATER WETLAND/DETENTION POND SECTION (B) M08-CDX001
SCALE: 1" = 5'

NOTES:
1. FINISH GRADE ELEVATIONS IS LOWEST FINISH GRADE ELEVATION ABOVE FACILITY. DEPTHS MAY VARY ACROSS THE FOOTPRINT.
2. ALL ELEVATIONS ARE APPROXIMATE AND SUBJECT TO CHANGE.



UNDERGROUND VAULT WITH SAND FILTER - SECTION (C) M08-CDX001
SCALE: 1" = 5'

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

AHJ:

PRELIMINARY — JEFFREY L. COOP, STATE OF WASHINGTON, 38493, REGISTERED PROFESSIONAL ENGINEER

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

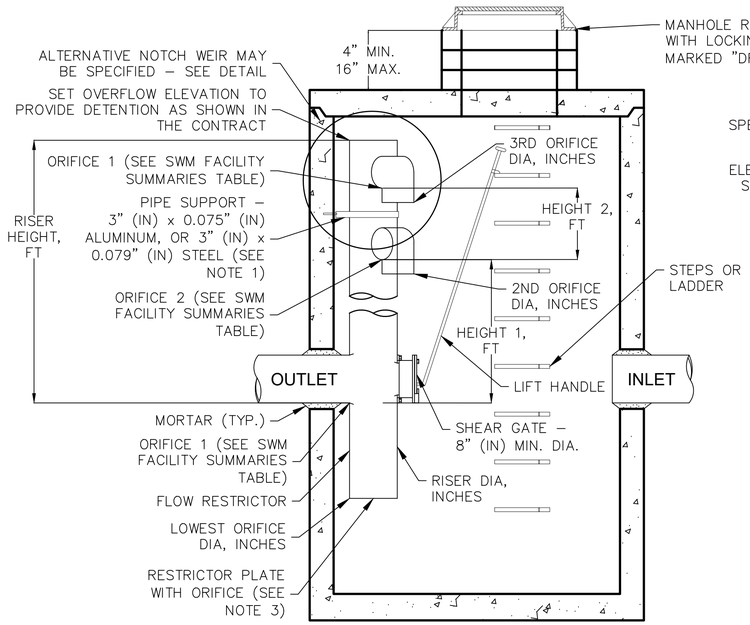
SOUNDTRANSIT

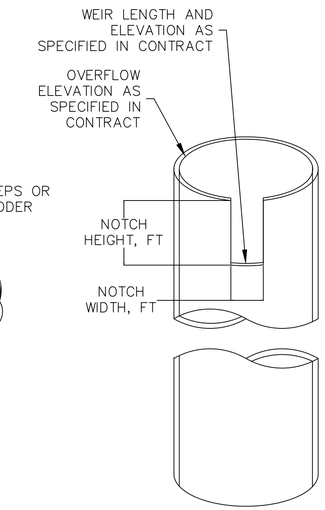
PACKAGE #
SCALE: 1"=5'
FILENAME: OMFS-M08-CDX001-003
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
CIVIL
DRAINAGE SECTIONS AND DETAILS
SWM FACILITY SECTIONS

DRAWING No.: M08-CDX001
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 12:18 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDX001-003.DWG





NOTCH WEIR DETAIL

DISCHARGE VELOCITY AT DESIGN FLOW (FT/SEC)	REQUIRED PROTECTION: MINIMUM DIMENSIONS				
	TYPE	THICKNESS	WIDTH	LENGTH	HEIGHT
0 – 5	ROCK LINING[1]	1 FOOT	PIPE DIAMETER + 6 FEET	8 FEET OR 4 X DIAMETER, WHICHEVER IS GREATER	CROWN + 1 FOOT
5+ – 10	RIPRAP[2]	2 FEET	PIPE DIAMETER + 6 FEET OR 3 X DIAMETER, WHICHEVER IS GREATER	12 FEET OR 4 X DIAMETER, WHICHEVER IS GREATER	CROWN + 1 FOOT

[1] ROCK LINING MUST BE QUARRY SPALLS WITH GRADATION AS FOLLOWS:

PASSING 8-INCH-SQUARE SIEVE: 100%
PASSING 3-INCH-SQUARE SIEVE: 40% TO 60% MAXIMUM
PASSING ¾-INCH-SQUARE SIEVE: 0 TO 10% MAXIMUM

[2] RIPRAP MUST BE REASONABLY WELL-GRADED WITH GRADATION AS FOLLOWS:

MAXIMUM STONE SIZE: 24 INCHES (NOMINAL DIAMETER)
MEDIAN STONE SIZE: 16 INCHES MINIMUM STONE
SIZE: 4 INCHES

NOTE: RIPRAP SIZING ON OUTLET CHANNEL IS ASSUMED TO BE GOVERNED BY SIDE SLOPES OF APPROXIMATELY 3H:1V.

PROVIDE ROCK LINING ROCK PROTECTION FOR PIPE OUTFALLS FROM THE FOLLOWING SWM FACILITIES:
WINGED FOOT
COMBINED OUTFALL FROM 2A SOUTH NORTH POND, 2A SOUTH SOUTH POND, OAKLAND HILLS + 24TH 2A
COMBINED OUTFALL FROM 2B, TPSS, 24TH 2B + 24TH 2B WQ
336TH EAST
DISCHARGE PIPE INTO 18TH A+B+C POND
COMBINED OUTFALL FROM 341ST EAST, 21ST NORTH + 21ST SOUTH

PROVIDE RIPRAP ROCK PROTECTION FOR PIPE OUTFALLS FROM THE FOLLOWING SWM FACILITIES:
2A NORTH
3
COMBINED OUTFALL FROM 4 + SITE E
WSDOT POND R OUTFALL MODIFICATION

NOTES:

1. FLOW CONTROL STRUCTURE DETAIL FOR STRUCTURE EXTERNAL TO FLOW CONTROL FACILITY. RISER, ORIFICE, AND NOTCH INFORMATION ALSO USED FOR PRELIMINARY DESIGN PURPOSES FOR FLOW CONTROL RISER INSIDE OF FLOW CONTROL VAULTS.
2. SEE WSDOT STANDARD PLAN B-10.40-02 FOR FURTHER DETAILS.
3. ORIFICE OPENING IN RESTRICTOR PLATE TO BE CUT ROUND AND SMOOTH.

FLOW CONTROL RISER DETAIL (A)
SCALE: 1" = 5'
M08-CDX002

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

AHJ:

JEFFREY L. COOP, STATE OF WASHINGTON, 28493, REGISTERED PROFESSIONAL ENGINEER, PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

PACKAGE #
SCALE: 1"=5'
FILENAME: OMFS-M08-CDX001-003
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
CIVIL
DRAINAGE SECTIONS AND DETAILS
SWM FACILITY DETAILS

DRAWING No.: **M08-CDX002**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 12:18 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDX001-003.DWG

SWM Facility Design Summary Table

Facility Name	Facility Type	Live Storage Depth (Riser Height, ft	Lowest Orifice Diameter, in	Second Orifice, in	Third Orifice, in	Height 1, ft	Height 2, ft	Notch Height, ft	Notch Width, ft	Riser Diameter, in	Pre-Setting Cell Pump-out (See Note)
TDA 1A	FC + Presettling + SF	7.1	0.39	0.515	0.65	4	5			24	Likely
TDA 1	FC + Presettling + SF	7.1	0.375	0.51	0.6	4	5			24	Gravity flow likely
TDA 2A	FC + Presettling + SF	4.5	0.53					0.9	0.024	24	Gravity flow likely
Winged Foot	FC + Presettling + BioPod	4.5	0.33					0.9	0.009	24	Gravity flow likely
2A South -North Pond	CSTW/DP	4.5	0.67					1.3	0.024	24	Likely
2A South -South Pond	CSTW/DP	4.5	0.67					1.3	0.024	24	Likely
Oakland Hills	FC + Presettling + BioPod	4.5	0.155					0.9	0.0018	24	Gravity flow likely
TDA 2B North, 2B South, TPSS	FC + Presettling + SF	4.5	0.95	2	3	4	4.25			24	Gravity flow likely
24th - 2A	BioPod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
24th - 2B	FC + Presettling + BioPod	4.5	0.295					0.9	0.006	24	Gravity flow likely
24th - 2B WQ Area	BioPod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 / Lead Tracks	FC + Presettling + SF	7.1	0.83	1.114	1.38	4	5			24	Gravity flow likely
4 / Lead Tracks	FC + Presettling + SF	7.1	0.515	0.689	0.86	4	5			24	Gravity flow likely
Site W1	FC + Presettling + SF	7.1	1.9	3.05	3.65	4	5			24	Gravity flow likely
Site W2	FC + Presettling + SF	7.1	1.88	2.51	3.13	4	5			24	Likely
Site E	FC + Presettling + SF	7.1	2.53	3.36	4.19	4	5			24	Likely
336th -West + East Comb	FC + Presettling + BioPod	4.5	0.62					0.9	0.026	24	Likely
336th -East	FC + Presettling + BioPod	4.5	0.36					0.9	0.009	24	Likely
336th East East North	BioPod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
336th East East South	BioPod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18th Pl Ext - A + B + C	CSTW/DP	4.25	0.6					1.25	0.024	24	Likely
18th Pl Ext -D	FC + Presettling + BioPod	3	0.515					0.9	0.0155	24	Likely
S 341st East	FC + Presettling + BioPod	4	0.545					0.9	0.02	24	Likely
S 341st West	FC + Presettling + BioPod	4	0.295					0.9	0.006	24	Likely
341st West West	FC + Presettling + BioPod	4.5	0.505					0.9	0.017	24	Gravity flow likely
341st West West WQ North	BioPod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
341st West West WQ South	BioPod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
21st Ave North	FC + Presettling + BioPod	3.5	0.36					0.9	0.009	24	Likely
21st Ave South	FC + Presettling + BioPod	2	0.155					0.9	0.0018	24	Likely
344th East Comb	FC + Presettling + BioPod	4	0.338					0.9	0.0077	24	Likely
344th East Filterra	Filterra	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
344th West Redevel	FC + Presettling + BioPod	4	0.55					0.9	0.02	24	Likely

KEY

BioPod	Stormwater Media
CSTW/DP	Combined Stormwater/Detention Pond
FC	Flow Control
Filterra	Media for treatment
SF	Sand Filter

NOTES:

1. THE ELEVATION AND ROUTE FOR THE PRE-SETTLING CELL MAINTENANCE PIPE SHALL BE LOCATED TO ALLOW FOR GRAVITY FLOW DRAINAGE WHERE FEASIBLE. COORDINATE ELEVATIONS AND DISCHARGE LOCATION WITH ENGINEER DURING DESIGN. SWM FACILITIES THAT MAY REQUIRE PORTABLE PUMPS FOR DEWATERING THE PRESETTLING CELL TO BE COORDINATED WITH THE ENGINEER DURING DESIGN AND DOCUMENTED IN THE STORM WATER SITE PLAN.

NOT FOR CONSTRUCTION

Refer to the plan set COVER drawing for disclaimers regarding this drawing.

REFERENCE CONCEPT DRAWINGS

No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY: L. GRABOWSKI
DRAWN BY: B. WILLIAMS
CHECKED BY: J. WRIGHT
APPROVED BY: J.COOP

AHJ:

JEFFREY L. COOP, STATE OF WASHINGTON, 28493, REGISTERED PROFESSIONAL ENGINEER — PRELIMINARY

HDR

SUBMITTED BY: PABLO LOPEZ-HILFIKER
DATE: 2/27/2024
REVIEWED BY:
DATE:

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

PACKAGE #

SCALE: NTS
FILENAME: OMFS-M08-CDX001-003
CONTRACT No.: AE-0030-17
DATE: 2/27/2024

SOUND TRANSIT
PRELIMINARY ENGINEERING PLANS
OPERATIONS & MAINTENANCE FACILITY SOUTH
CIVIL
DRAINAGE SECTIONS AND DETAILS
SWM FACILITY DESIGN SUMMARY TABLE

DRAWING No.: **M08-CDX003**
FACILITY ID: M08
SHEET No.:
REV:

02/21/24 | 12:18 PM | WILLIBRE
C:\PWWORKING\WEST01\D2772716\OMFS-M08-CDX001-003.DWG