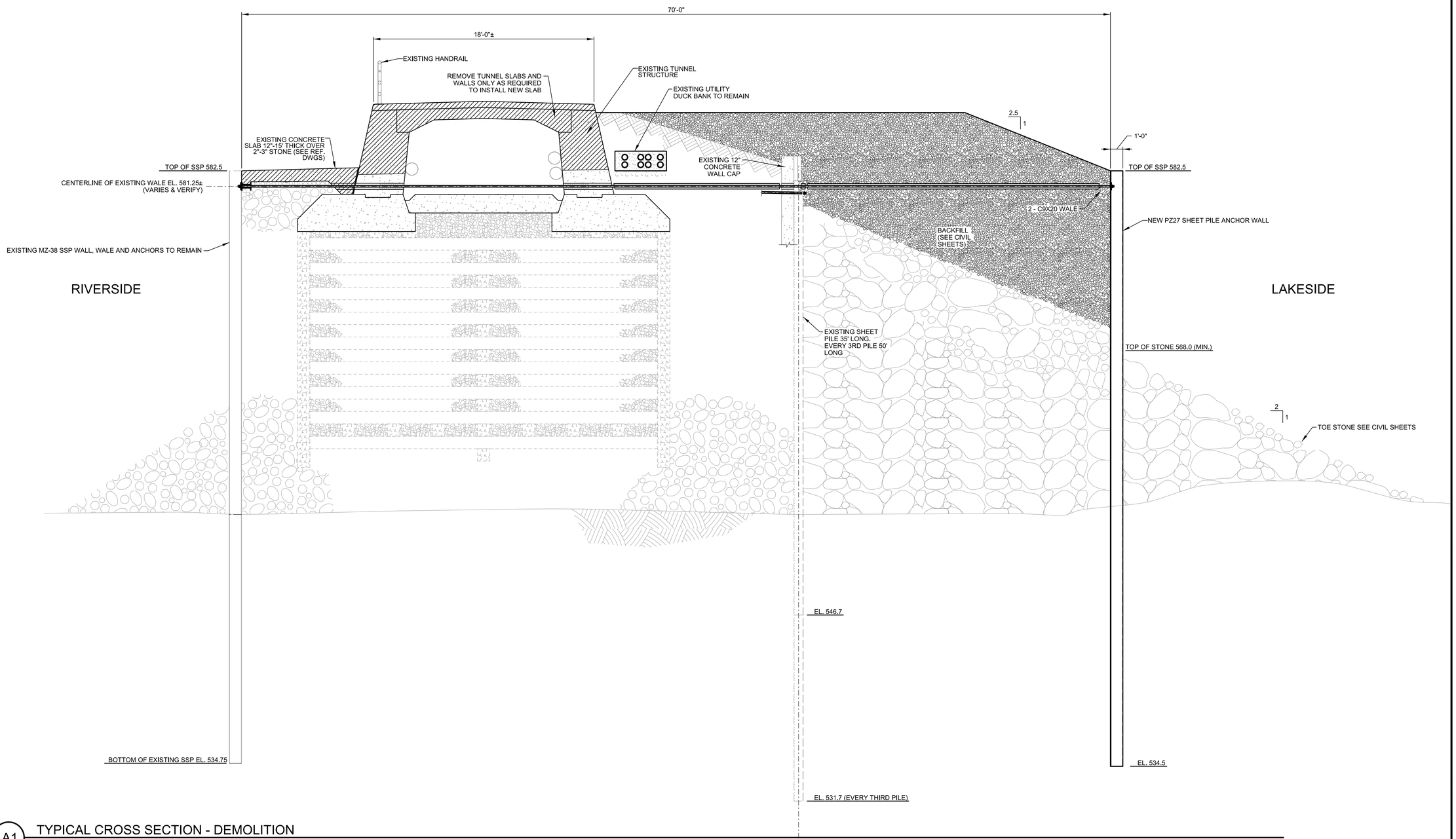


X#
X-###
A1

TYPICAL CROSS SECTION - DEMOLITION

SCALE: 1/4" = 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER
SIZE: ANSI D
FILE NAME: 114419_SD-301.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

TYPICAL CROSS SECTION DEMOLITION

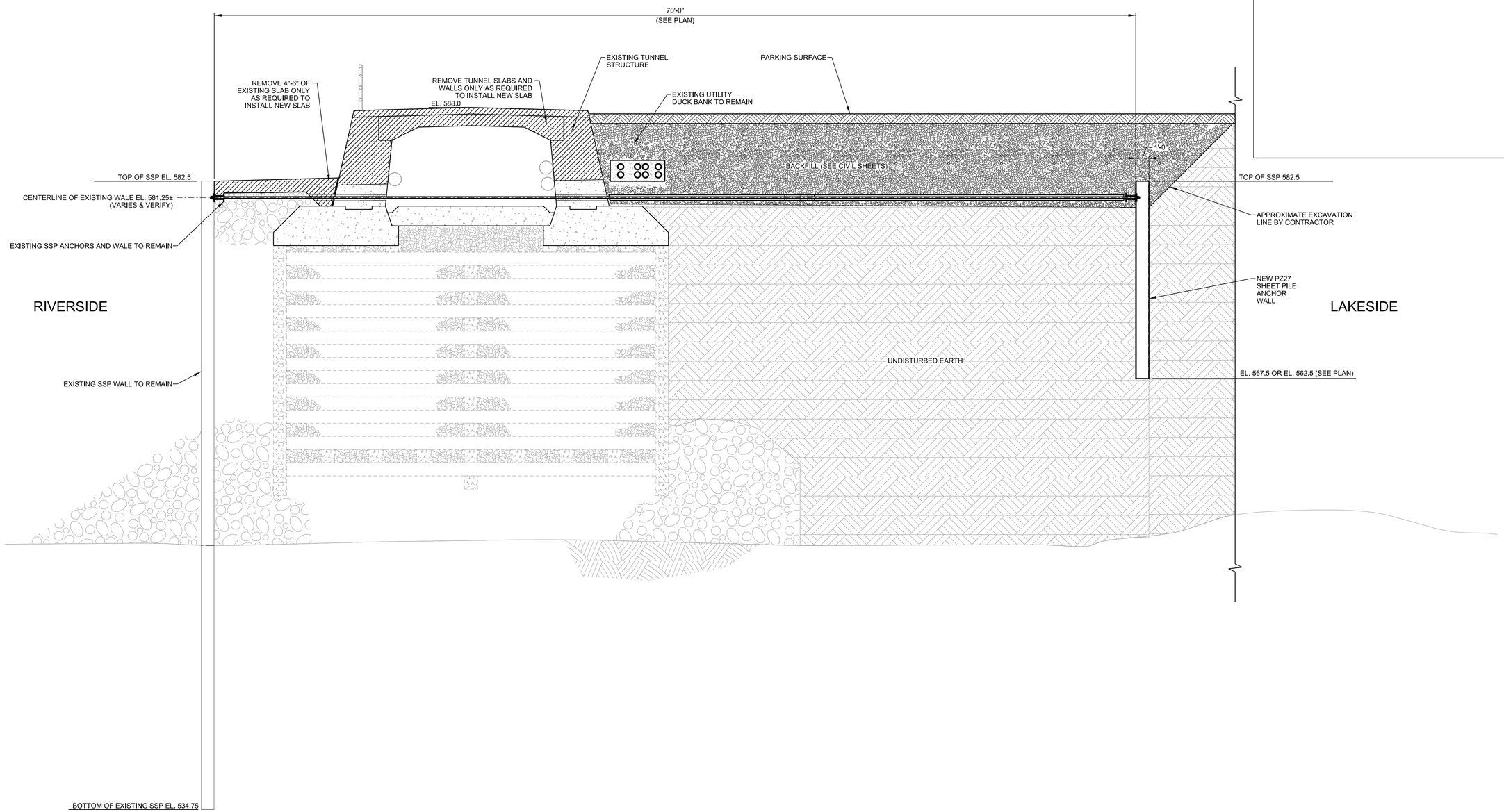
SHEET ID

SD-301

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\TYPICAL CROSS SECTION DEMOLITION
12:54:24 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript

NOTES:

1. ANY SOIL EXCAVATED IN THE PARKING LOT FOR INSTALLATION OF THE TIE RODS OR THE NEW SSP ANCHOR WALL SHALL BE DISPOSED OF OFFSITE BY IAW SPECIFICATIONS. THE TOP 12" OF THE PARKING SURFACE SHALL BE REPLACED IN KIND.



X#
X-###
A1

PARKING LOT CROSS SECTION - DEMOLITION

SCALE: 1/4" = 1'

0 2' 4' 8'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_SD-302.dgn
ISSUE DATE: FEB 2019
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

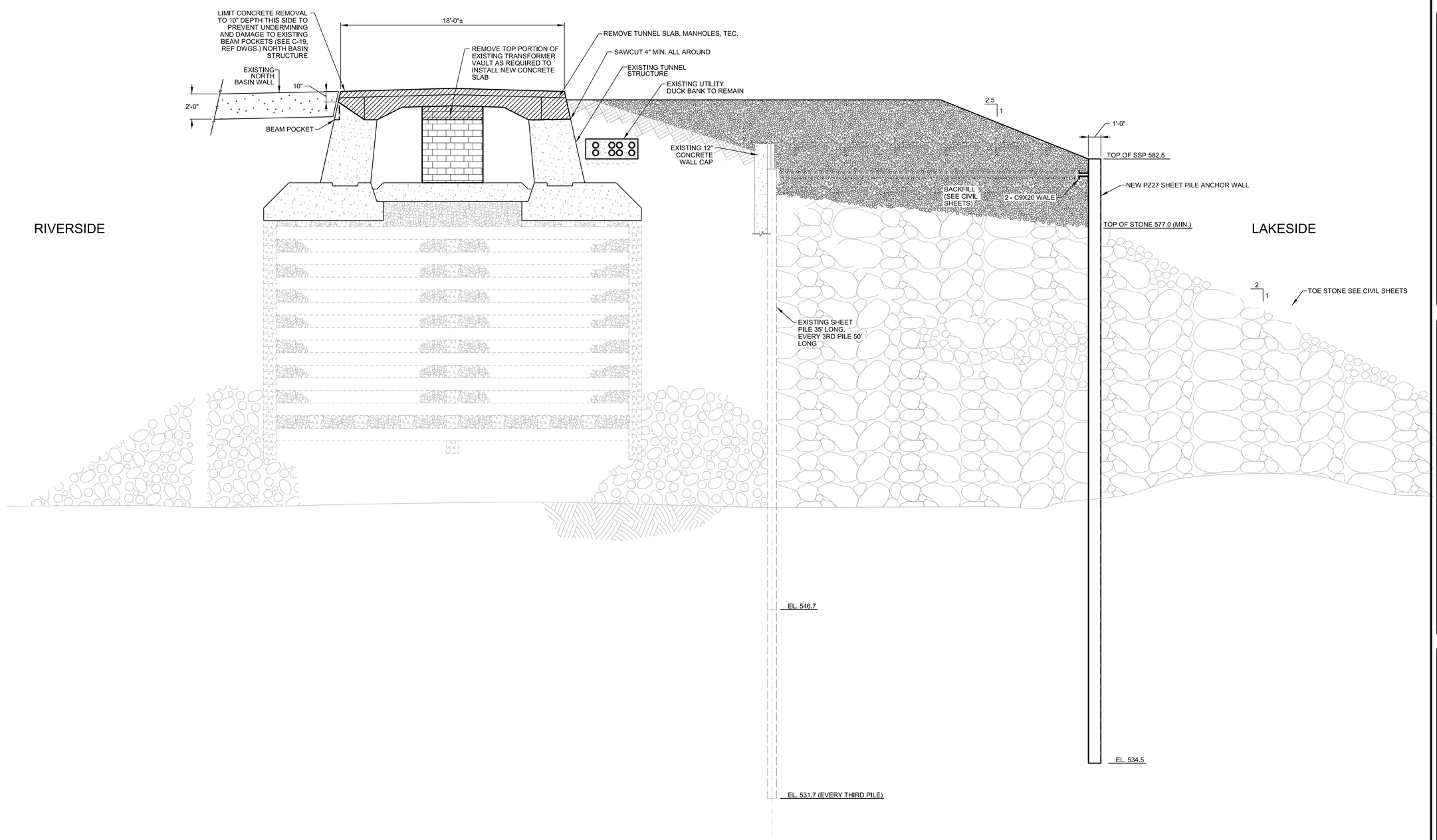
U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

PARKING LOT CROSS SECTION
DEMOLITION

SHEET ID
SD-302

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\PARKING LOT CROSS SECTION DEMOLITION
12:54:30 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



X#
X-###
B1

SECTION AT NORTH BASIN WALL

SCALE: 3/8" = 1'

0 2' 4' 8'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

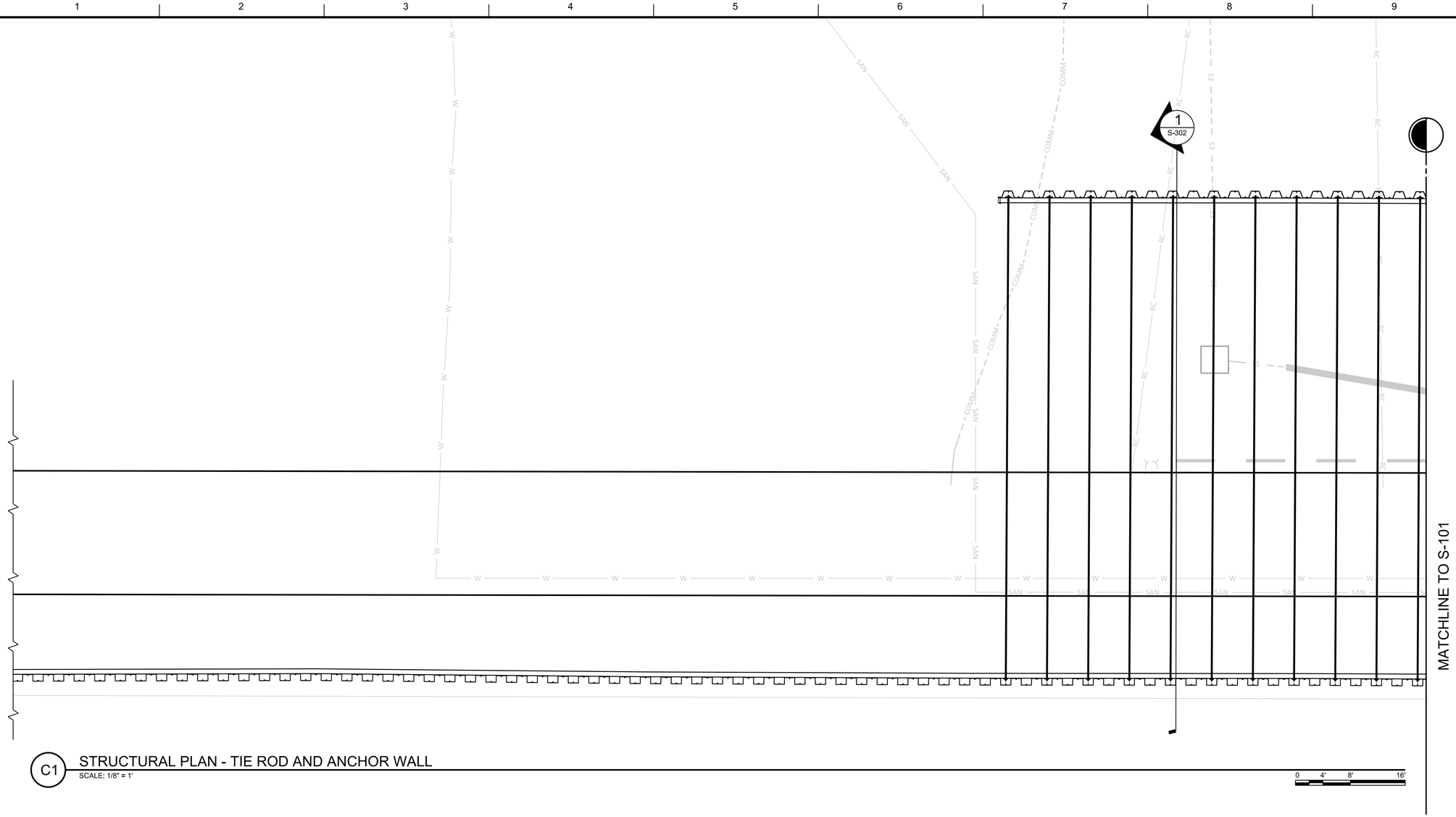
DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_SD-303.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

EAST END DEMOLITION

SHEET ID
SD-303



C1 STRUCTURAL PLAN - TIE ROD AND ANCHOR WALL

SCALE: 1/8" = 1'

0 4' 8' 16'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

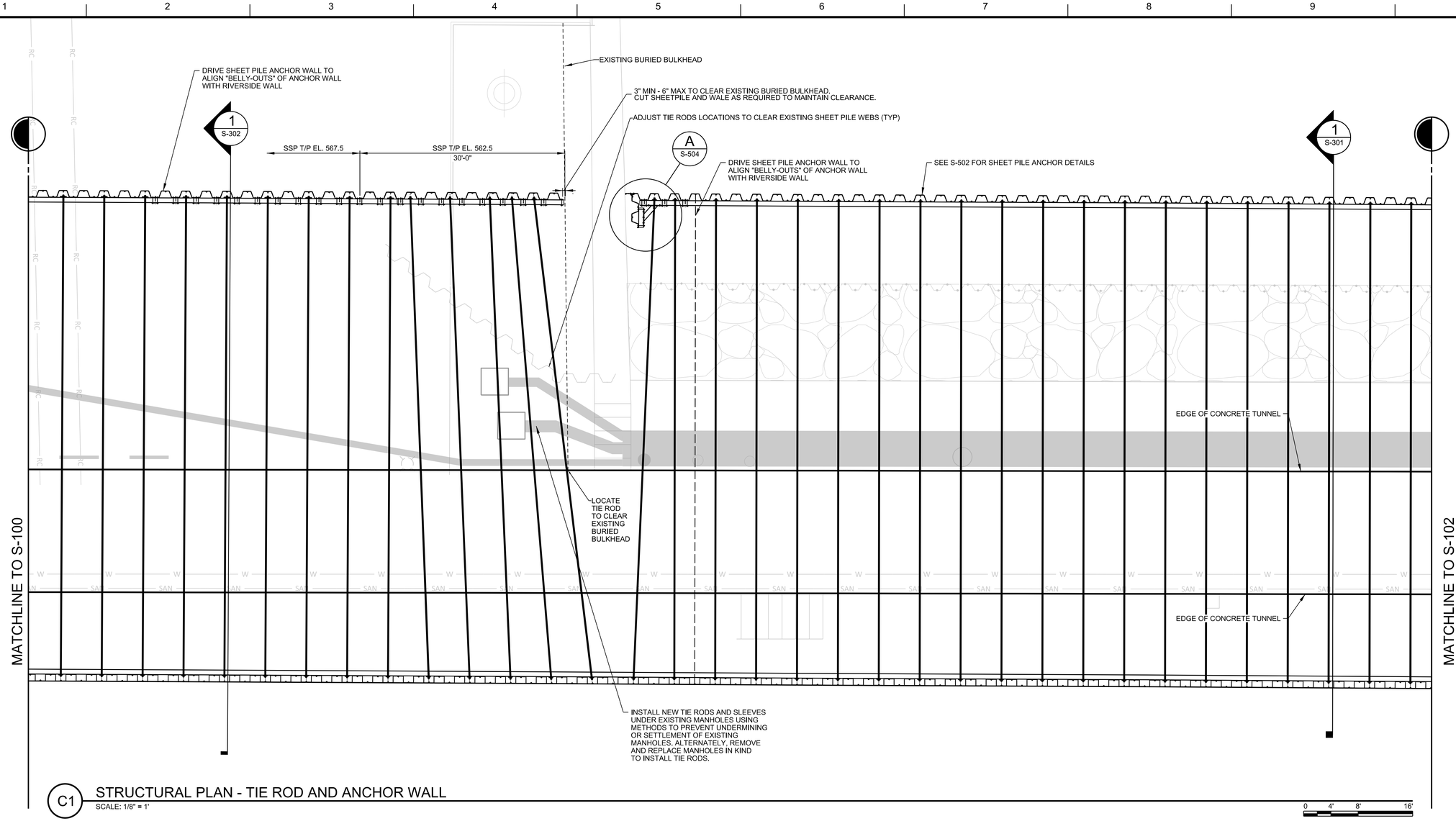
DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFTLER, PE
SIZE: ANSI D
FILE NAME: 114419_S-100.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

STRUCTURAL PLAN
TIE ROD AND ANCHOR WALL

SHEET ID
S-100

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\114419_S-100.dgn
8:49:26 AM 1/28/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



C1 STRUCTURAL PLAN - TIE ROD AND ANCHOR WALL

SCALE: 1/8" = 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_S-101.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST, SUITE 1500
CHICAGO, ILLINOIS 60604

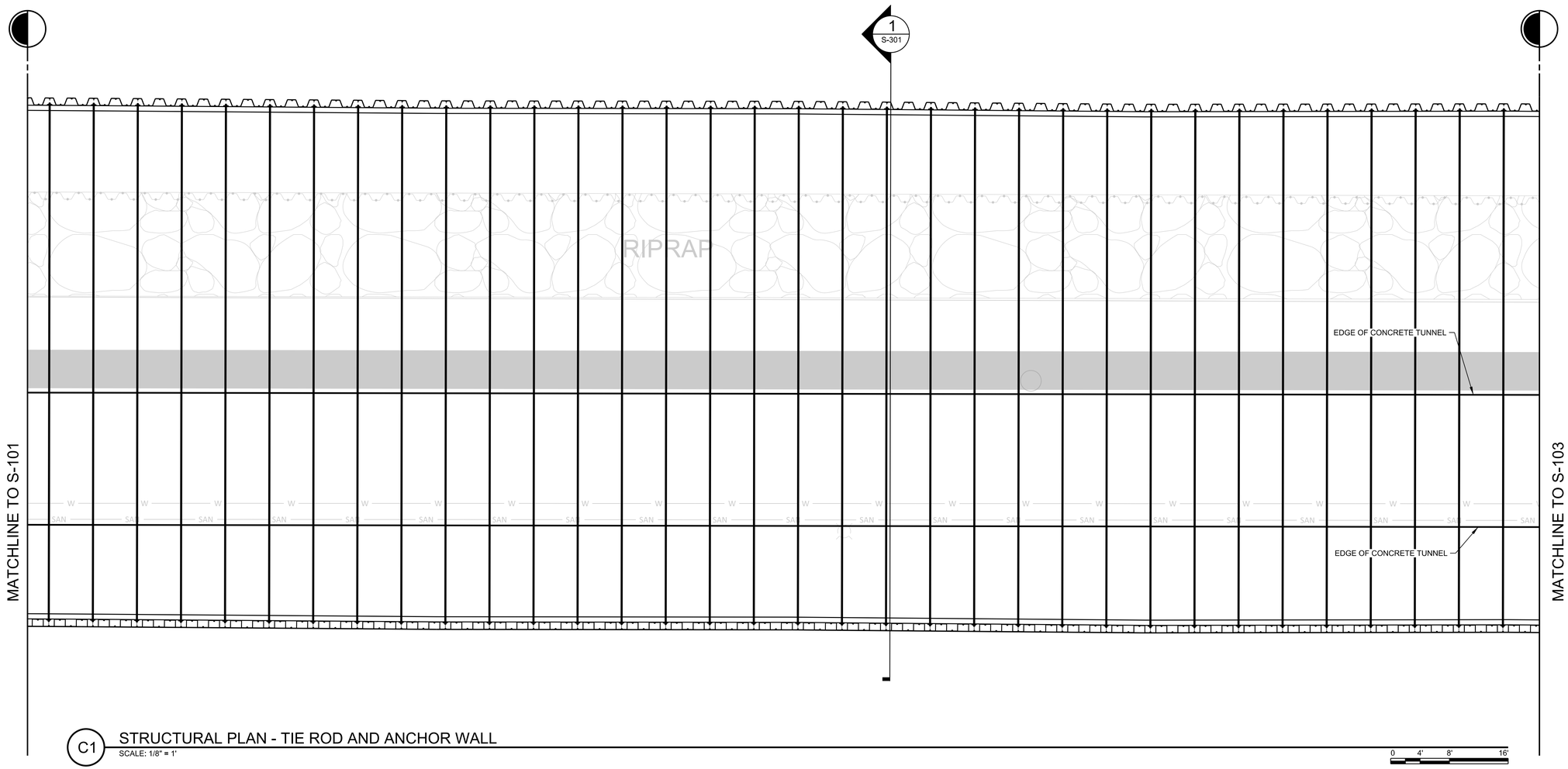
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

STRUCTURAL PLAN
TIE ROD AND ANCHOR WALL

SHEET ID

S-101

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\114419_S-101.dgn
8:54:18 AM 1/28/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



C1 STRUCTURAL PLAN - TIE ROD AND ANCHOR WALL

SCALE: 1/8" = 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

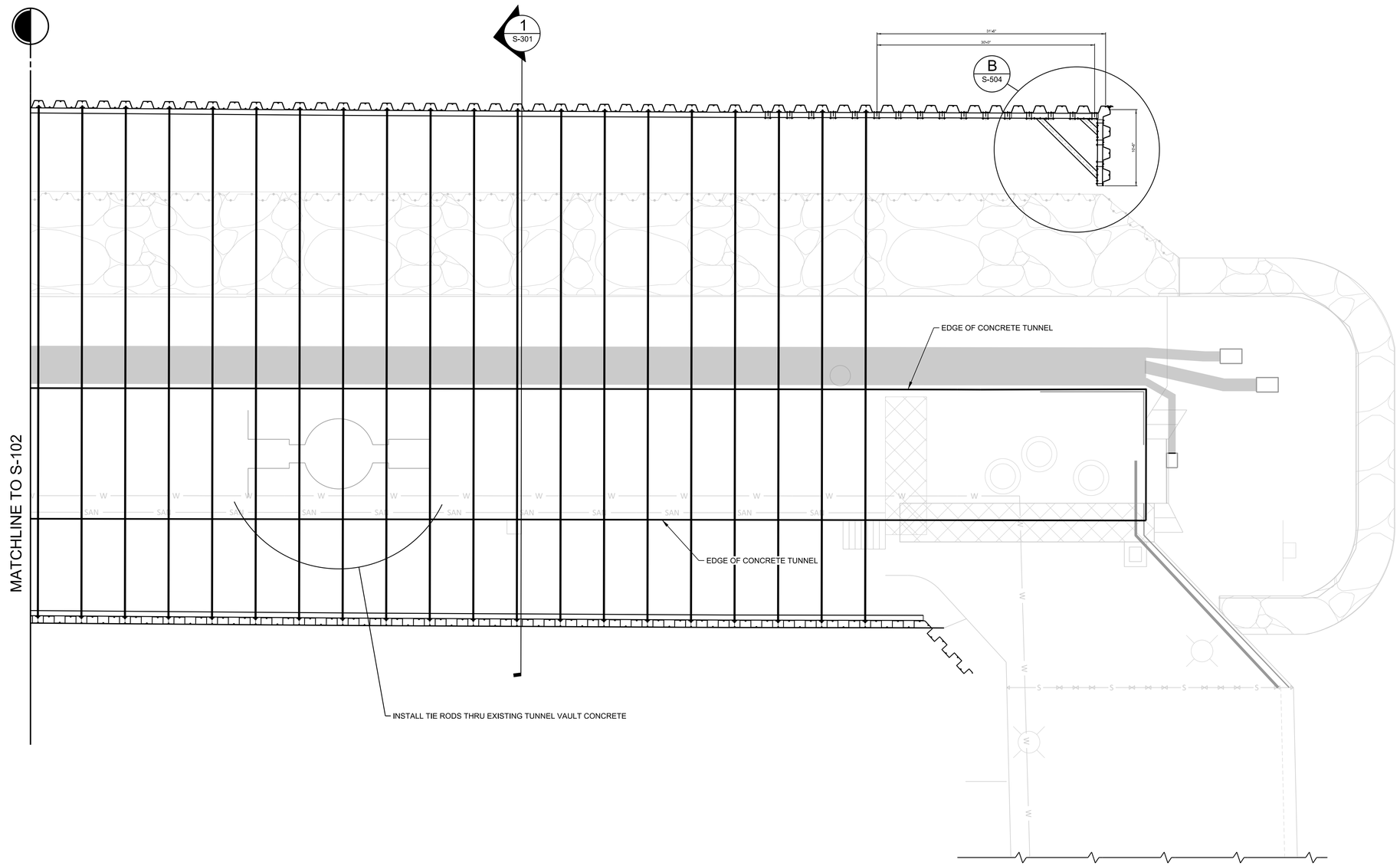
DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFTLER
SIZE: ANSI D
FILE NAME: 114419_S-102.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

STRUCTURAL PLAN
TIE ROD AND ANCHOR WALL

SHEET ID

S-102



B1 STRUCTURAL PLAN - TIE ROD AND ANCHOR WALL

SCALE: 1/8" = 1'

0 4' 8' 16'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_S-103.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST, SUITE 1500
CHICAGO, ILLINOIS 60604

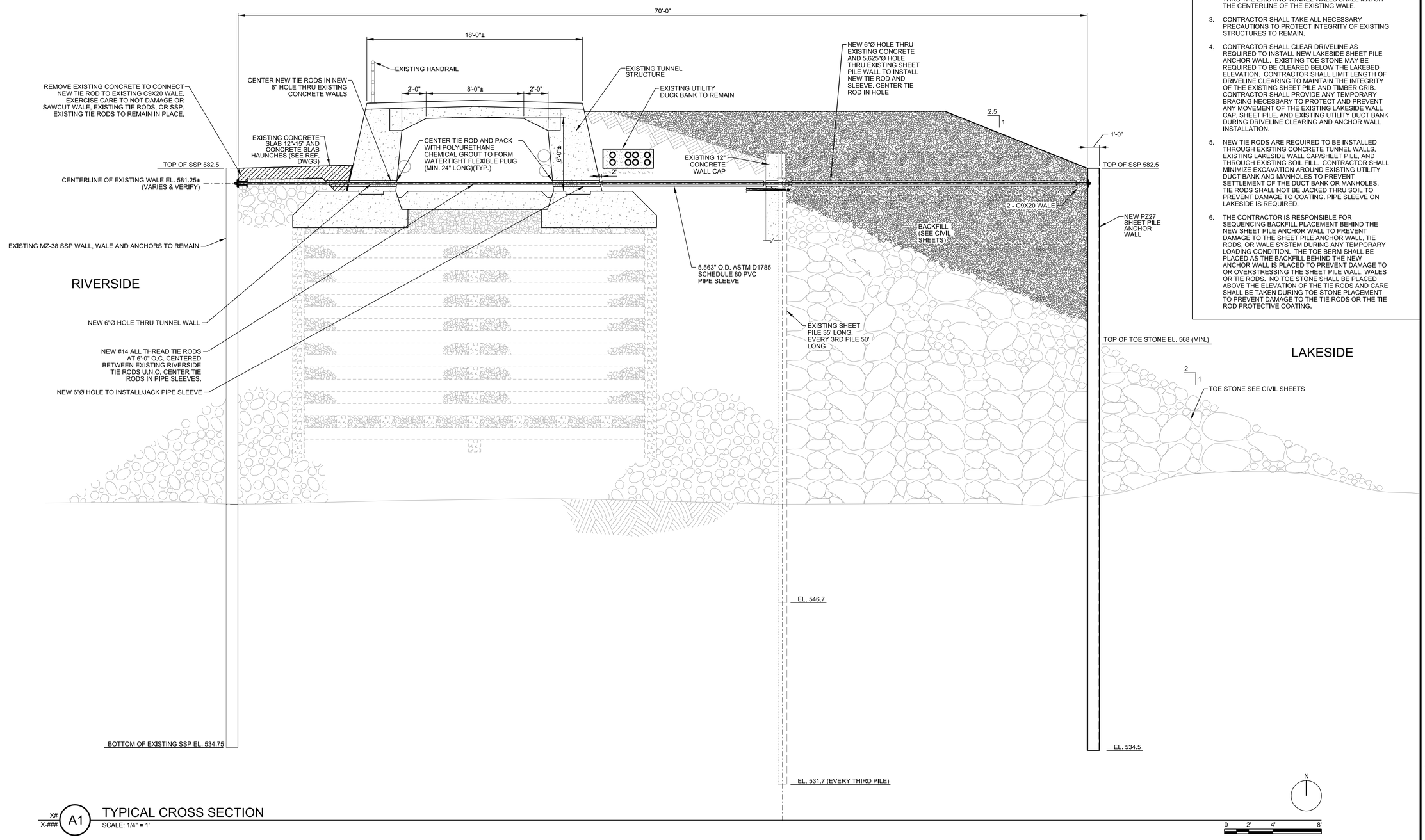
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

STRUCTURAL PLAN
TIE ROD AND ANCHOR WALL

SHEET ID

S-103

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\114419_S-103.dgn
9:03:33 AM 1/28/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



X# X-### A1 TYPICAL CROSS SECTION

SCALE: 1/4" = 1'

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO START OF WORK INCLUDING ALL DIMENSIONS SHOWN IN REFERENCE DRAWINGS.
2. CENTERLINE ELEVATION OF EXISTING WALE SHALL BE VERIFIED PRIOR TO DRILLING HOLES THRU EXISTING TUNNEL CROSS SECTION AND INSTALLATION OF NEW SHEET PILE ANCHOR WALL AND WALE. ELEVATION OF EXISTING WALE MAY VARY ALONG THE LENGTH OF THE EXISTING SHEET PILE WALL. NEW WALE ON NEW ANCHOR WALL SHALL BE ADJUSTED TO MATCH ELEVATION OF EXISTING WALE ON EXISTING RIVERSIDE SHEET PILE WALL. CENTERLINES OF HOLES TO BE DRILLED THRU THE EXISTING TUNNEL WALLS SHALL MATCH THE CENTERLINE OF THE EXISTING WALE.
3. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT INTEGRITY OF EXISTING STRUCTURES TO REMAIN.
4. CONTRACTOR SHALL CLEAR DRIVELINE AS REQUIRED TO INSTALL NEW LAKESIDE SHEET PILE ANCHOR WALL. EXISTING TOE STONE MAY BE REQUIRED TO BE CLEARED BELOW THE LAKEBED ELEVATION. CONTRACTOR SHALL LIMIT LENGTH OF DRIVELINE CLEARING TO MAINTAIN THE INTEGRITY OF THE EXISTING SHEET PILE AND TIMBER CRIB. CONTRACTOR SHALL PROVIDE ANY TEMPORARY BRACING NECESSARY TO PROTECT AND PREVENT ANY MOVEMENT OF THE EXISTING LAKESIDE WALL CAP, SHEET PILE, AND EXISTING UTILITY DUCT BANK DURING DRIVELINE CLEARING AND ANCHOR WALL INSTALLATION.
5. NEW TIE RODS ARE REQUIRED TO BE INSTALLED THROUGH EXISTING CONCRETE TUNNEL WALLS, EXISTING LAKESIDE WALL CAP/SHEET PILE, AND THROUGH EXISTING SOIL FILL. CONTRACTOR SHALL MINIMIZE EXCAVATION AROUND EXISTING UTILITY DUCT BANK AND MANHOLES TO PREVENT SETTLEMENT OF THE DUCT BANK OR MANHOLES. TIE RODS SHALL NOT BE JACKED THRU SOIL TO PREVENT DAMAGE TO COATING. PIPE SLEEVE ON LAKESIDE IS REQUIRED.
6. THE CONTRACTOR IS RESPONSIBLE FOR SEQUENCING BACKFILL PLACEMENT BEHIND THE NEW SHEET PILE ANCHOR WALL TO PREVENT DAMAGE TO THE SHEET PILE ANCHOR WALL, TIE RODS, OR WALE SYSTEM DURING ANY TEMPORARY LOADING CONDITION. THE TOE BERM SHALL BE PLACED AS THE BACKFILL BEHIND THE NEW ANCHOR WALL IS PLACED TO PREVENT DAMAGE TO OR OVERSTRESSING THE SHEET PILE WALL, WALES OR TIE RODS. NO TOE STONE SHALL BE PLACED ABOVE THE ELEVATION OF THE TIE RODS AND CARE SHALL BE TAKEN DURING TOE STONE PLACEMENT TO PREVENT DAMAGE TO THE TIE RODS OR THE TIE ROD PROTECTIVE COATING.

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER
SIZE: ANSI D
ISSUE DATE: FEB 2019
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419
FILE NAME: 114419_S-301.dgn

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST., SUITE 1500
CHICAGO, ILLINOIS 60604

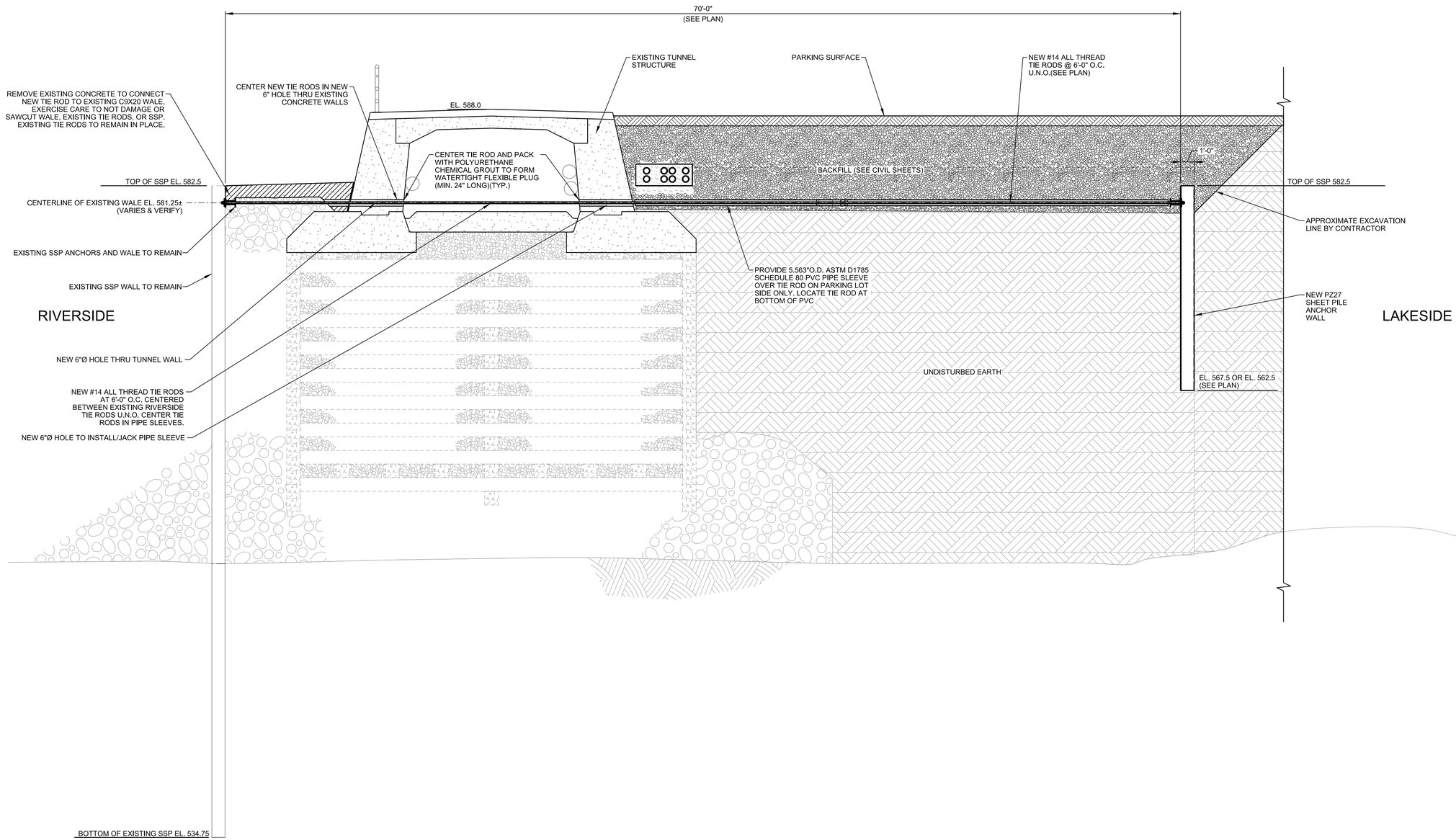
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

TYPICAL CROSS SECTION

SHEET ID

S-301

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\TYPICAL CROSS SECTION
12:55:00 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



X#
X-###
A1

PARKING LOT CROSS SECTION

SCALE: 1/4" = 1'

0 2' 4' 8'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_S-302.dgn
ISSUE DATE: FEB 2019
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

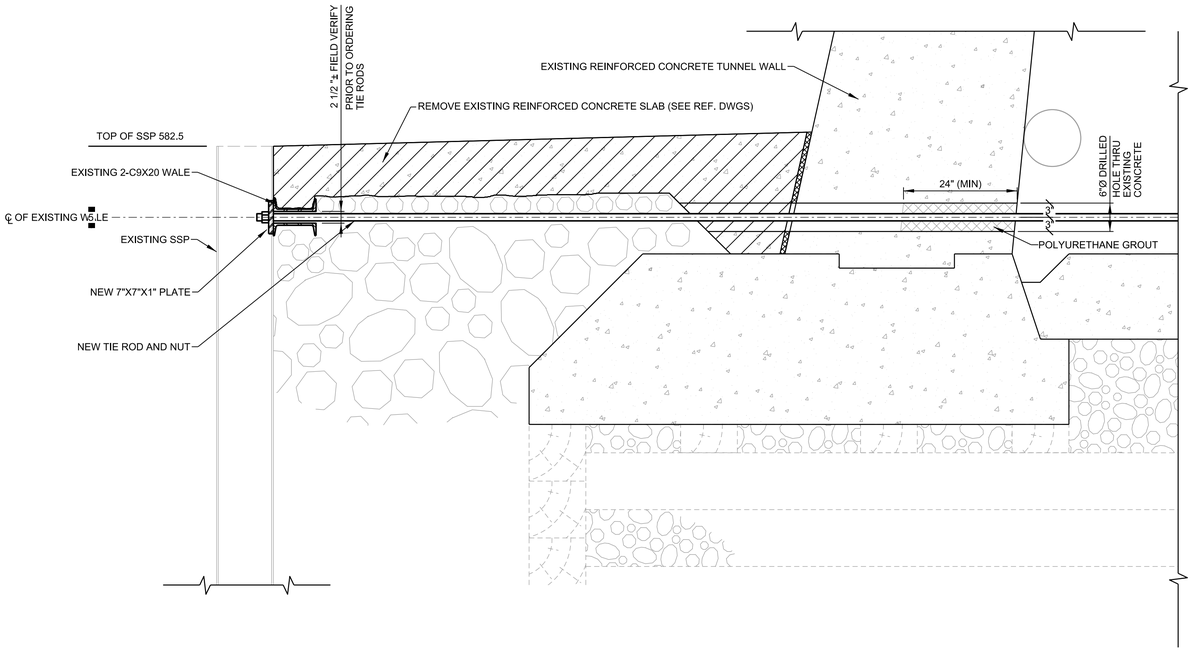
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

PARKING LOT CROSS SECTION

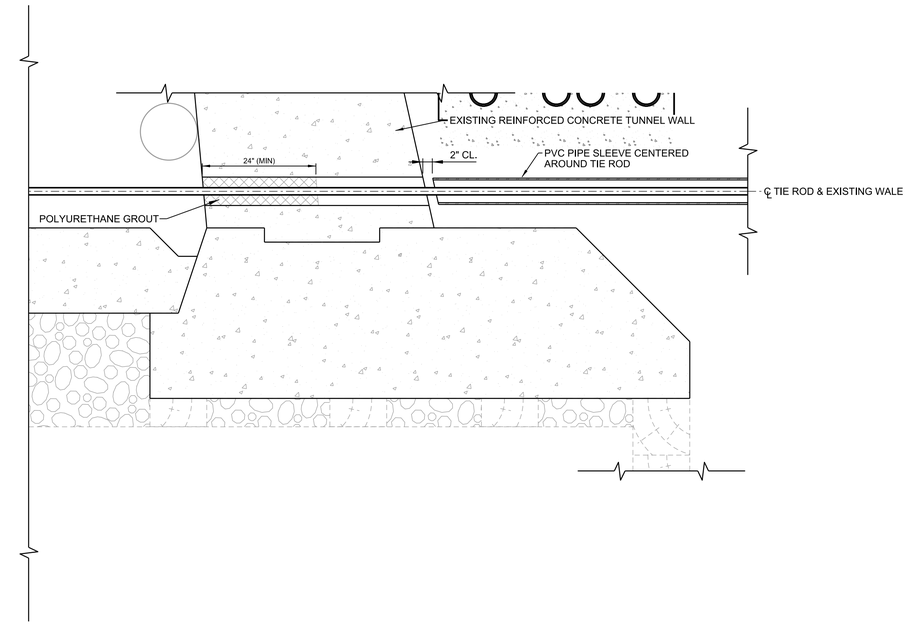
SHEET ID

S-302

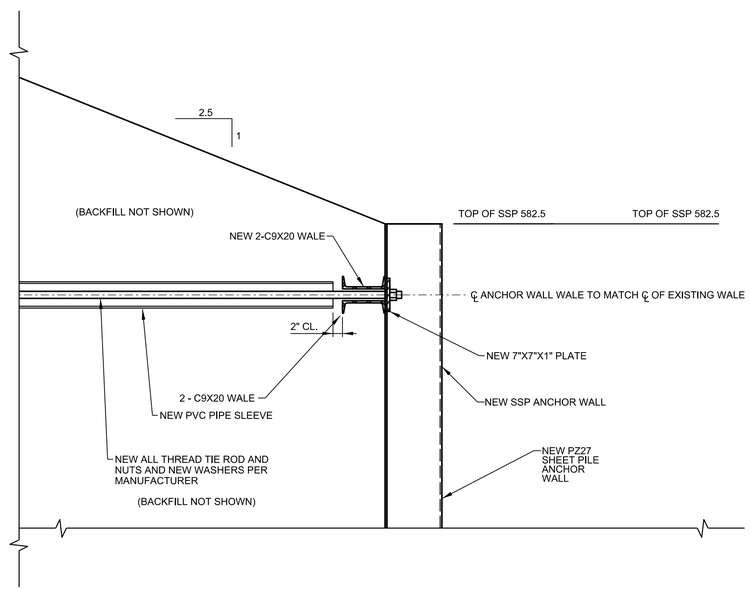
...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\PARKING LOT CROSS SECTION
12:55:07 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



1 S-501 D1 TIE ROD CONNECTION - RIVERSIDE
SCALE: 3/4" = 1'



2 S-501 D7 TIE ROD INSTALLATION DETAILS
SCALE: 3/4" = 1'



3 S-501 A1 TIE ROD CONNECTION AT SSP ANCHOR WALL
SCALE: 3/4" = 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE:
DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
SOLICITATION NO.:
CHECKED BY: FL
CONTRACT NO.:
SUBMITTED BY: FAYE LEFTWICH
PROJECT ID: 114419
SIZE: ANSI D
FILE NAME: S-501.dgn

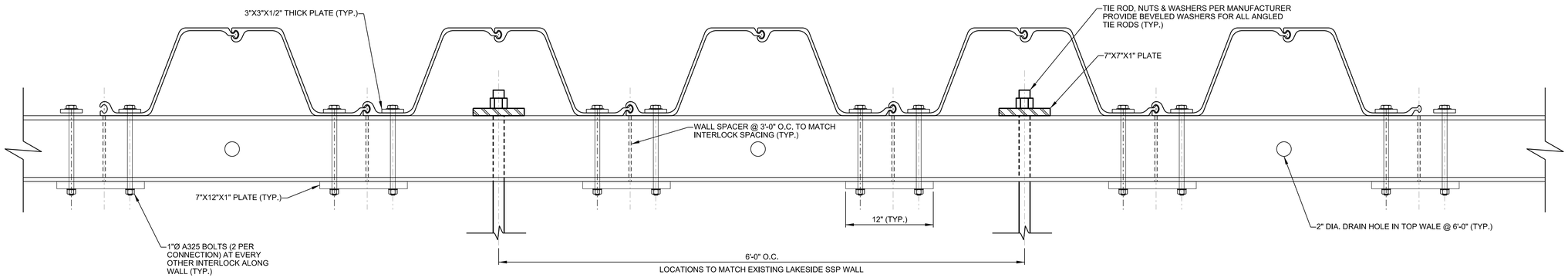
U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

TIE ROD INSTALLATION DETILS

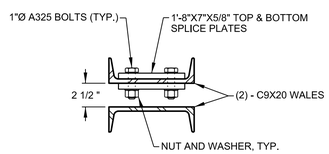
SHEET ID
S-501

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\TIE ROD INSTALLATION DETAILS
12:55:14 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



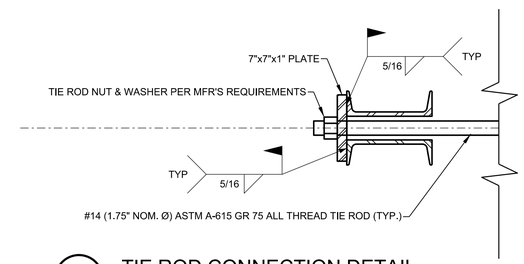
E2 NEW SSP ANCHOR WALL PLAN

SCALE: 1 1/2" = 1'



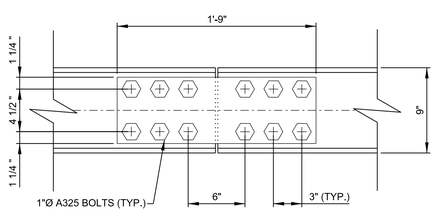
D1 WALE SPLICE DETAIL

SCALE: 1 1/2" = 1'



D7 TIE ROD CONNECTION DETAIL

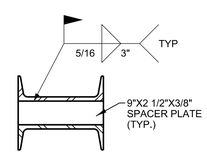
SCALE: 1 1/2" = 1'



NOTE: LOCATE SPLICES CENTERED BETWEEN TIE RODS. STAGGER TOP AND BOTTOM SPLICES

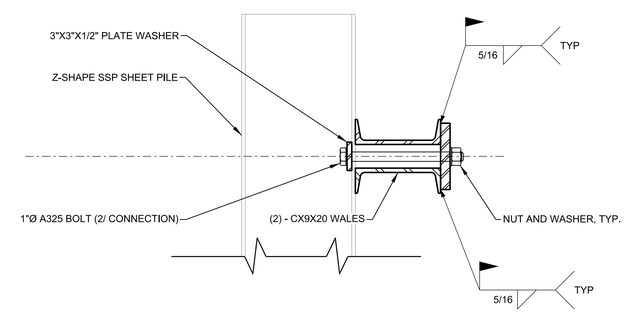
A1 WALE SPLICE DETAIL

SCALE: 1 1/2" = 1'



A4 WALE SPACER DETAIL

SCALE: 1 1/2" = 1'



A7 SSP/WALE TENSION BOLT

SCALE: 1 1/2" = 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER
SIZE: ANSI D
FILE NAME: 114419_S-502.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

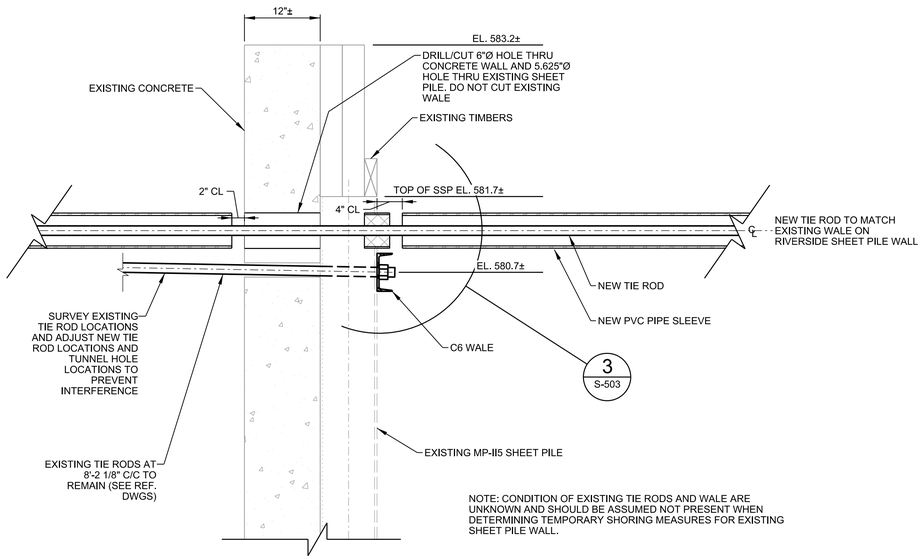
U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

SHEET PILE ANCHOR WALL DETAILS

SHEET ID
S-502

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\SHEET PILE ANCHOR WALL DETAILS
12:55:22 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript

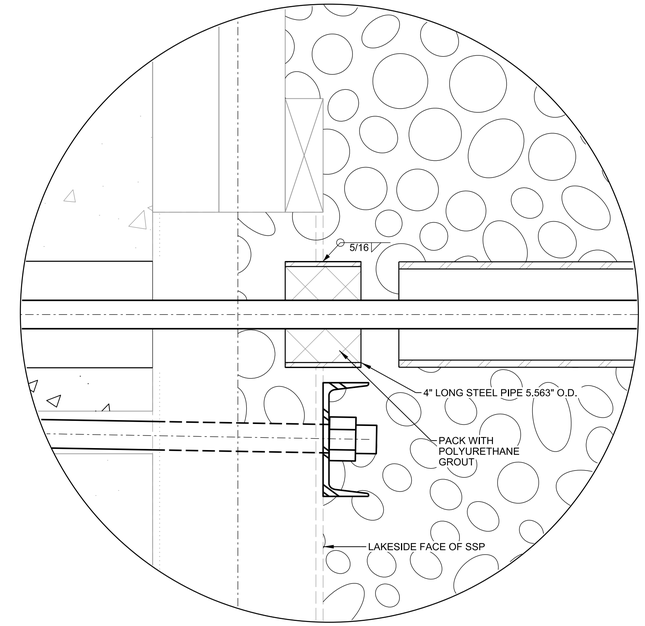


NOTE: CONDITION OF EXISTING TIE RODS AND WALE ARE UNKNOWN AND SHOULD BE ASSUMED NOT PRESENT WHEN DETERMINING TEMPORARY SHORING MEASURES FOR EXISTING SHEET PILE WALL.

1 S-301 D1 TIE ROD AT EXISTING SHEET PILE CUT OFF WALL

SCALE: 1" = 1'

0 6" 1' 2'



3 S-503 D7 SHEET PILE SLEEVE

SCALE: 3" = 1'

0 3" 6" 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_S-503.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

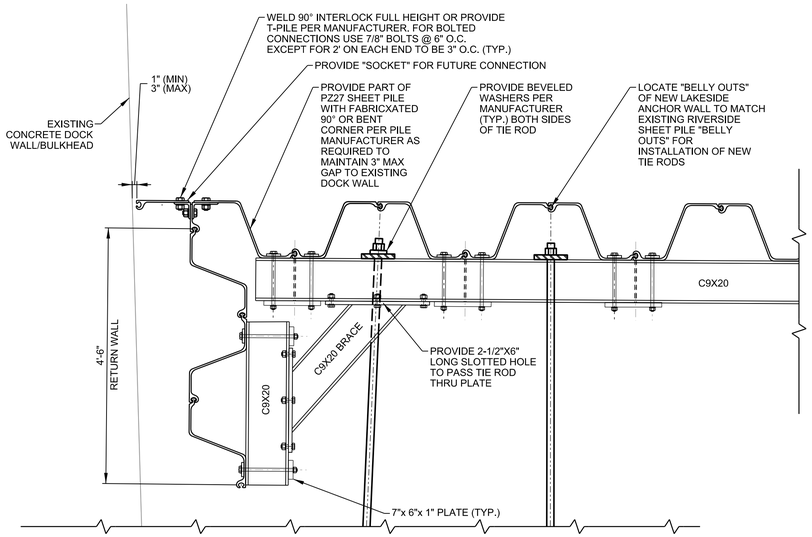
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

TIE ROD DETAILS

SHEET ID

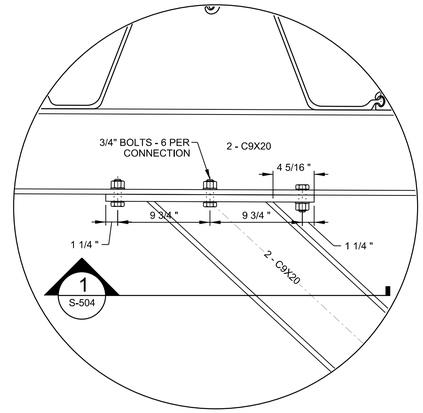
S-503

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\TIE ROD DETAILS
12:55:29 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



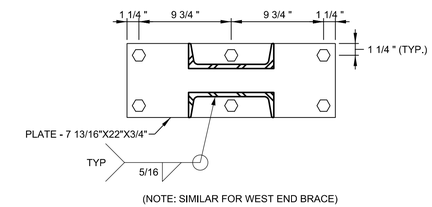
F5 S-101 E1 DETAIL A - ANCHOR WALL AT WEST END

SCALE: 3/4" = 1'



D9 S-504 E7 DETAIL C - BRACING

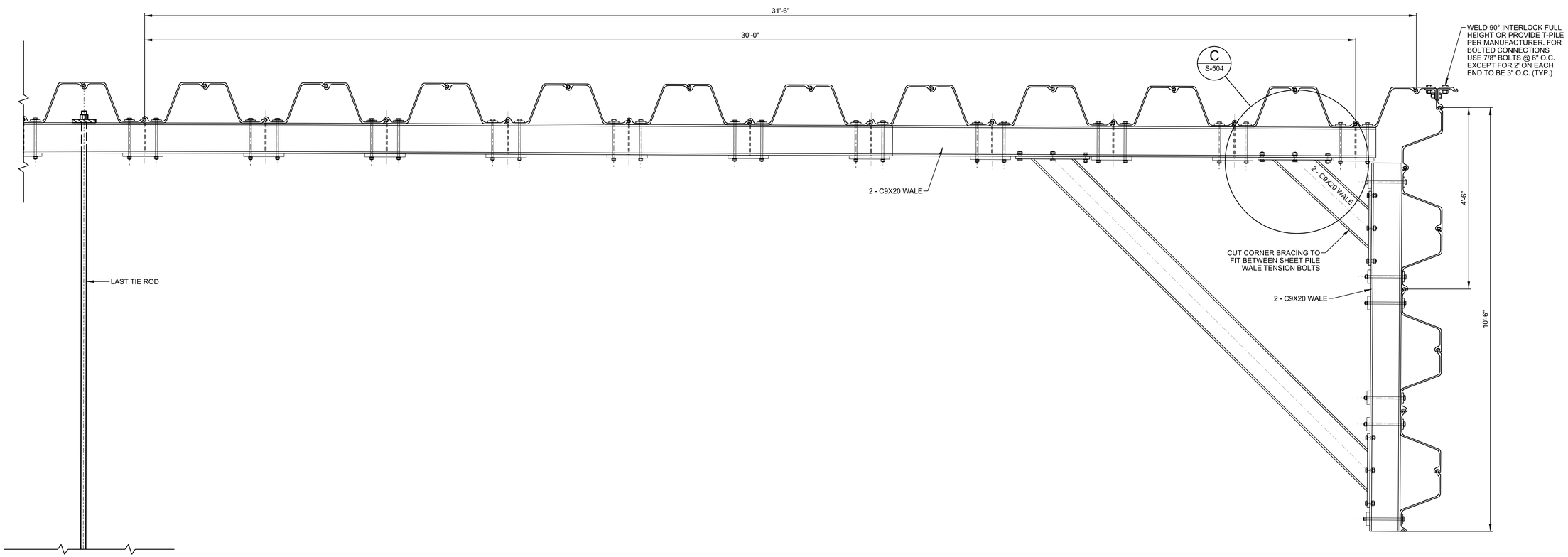
SCALE: 1 1/2" = 1'



(NOTE: SIMILAR FOR WEST END BRACE)

F6 S-504 E8 SECTION 1

SCALE: 1 1/2" = 1'



F7 S-103 A1 DETAIL B - ANCHOR WALL AT EAST END

SCALE: 3/4" = 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE:

SOLICITATION NO.:

CONTRACT NO.:

PROJECT ID: 114419

DESIGNED BY: DAVID FORCE, SE

DRAWN BY: KPC

CHECKED BY: FL

SUBMITTED BY: FAYE LEFTLER, PE

SIZE: ANSI D

FILE NAME: 114419_S-504.dgn

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST., SUITE 1500
CHICAGO, ILLINOIS 60604

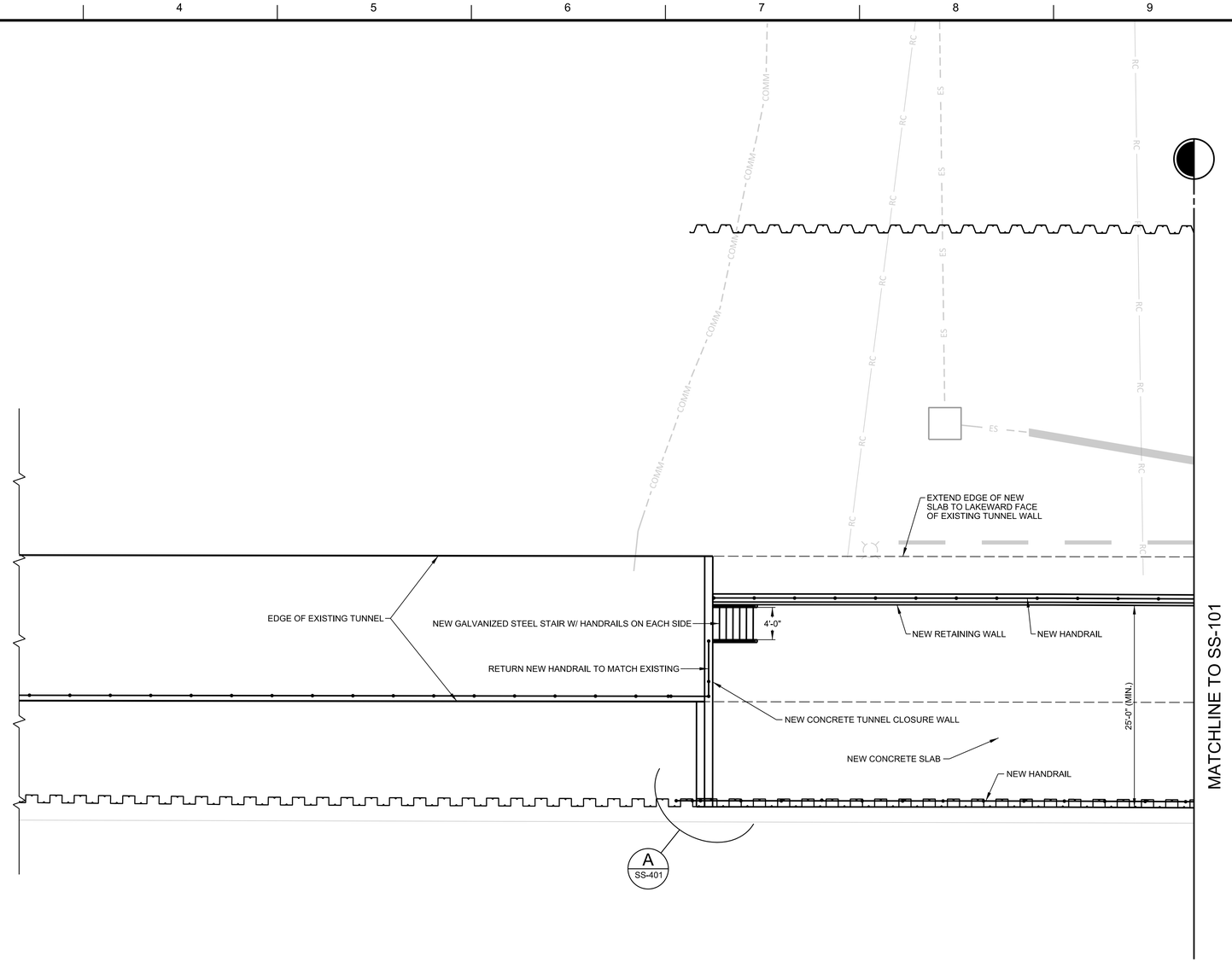
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

ANCHOR WALL DETAILS

SHEET ID

S-504

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\ANCHOR WALL DETAILS
12:55:38 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



B2 STRUCTURAL PLAN NEW CONCRETE

SCALE: 1/8" = 1'

0 4' 8' 16'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_SS-100.dgn
ISSUE DATE: FEB 2019
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

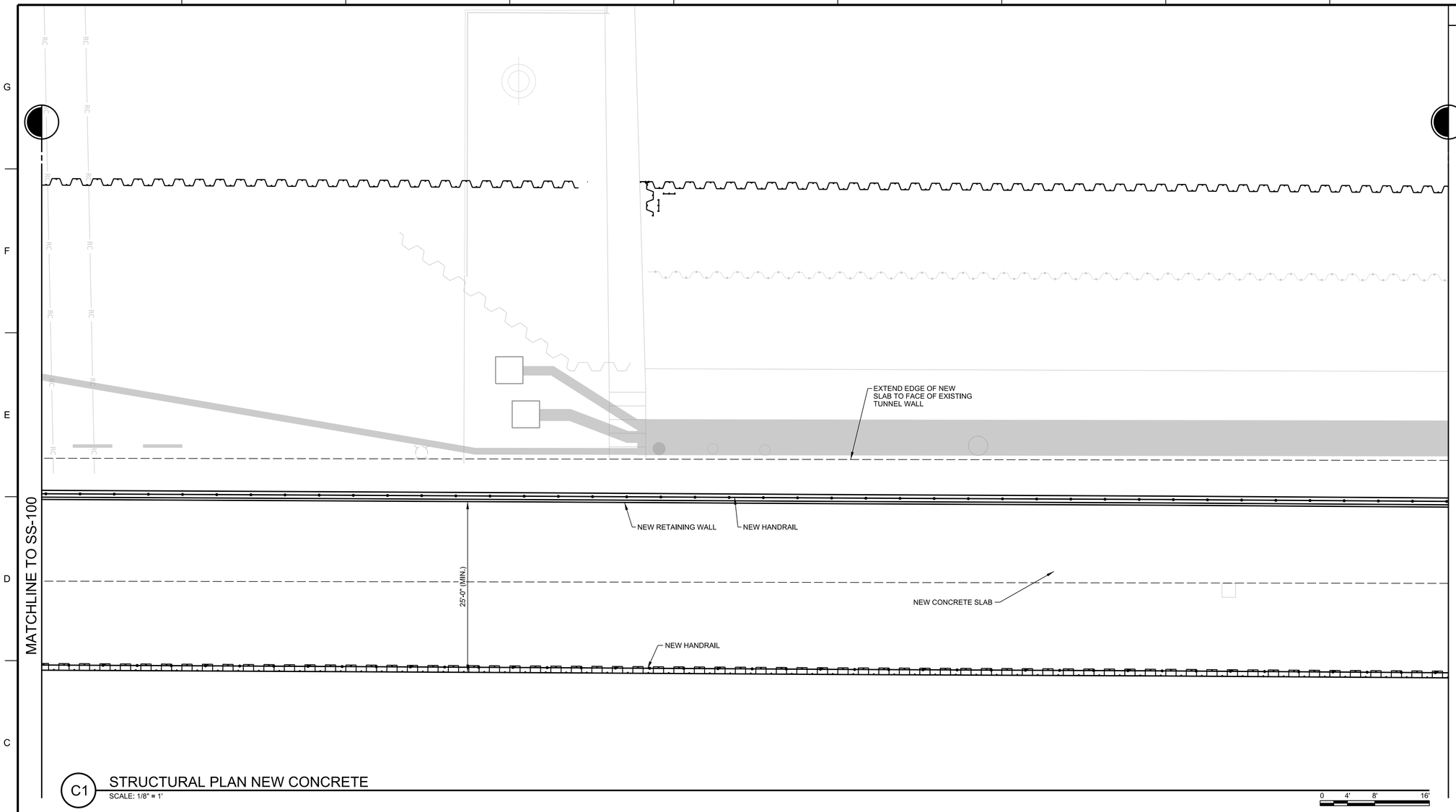
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

STRUCTURAL PLAN
NEW CONCRETE

SHEET ID

SS-100

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\STRUCTURAL PLAN NEW CONCRETE
2:23:39 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



C1 STRUCTURAL PLAN NEW CONCRETE

SCALE: 1/8" = 1'

GENERAL NOTES

1. NOTE 1
2. NOTE 2
3. NOTE 3

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFTLER, PE
SIZE: ANSI D
FILE NAME: 114419_SS-101.dgn
ISSUE DATE: FEB 2019
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

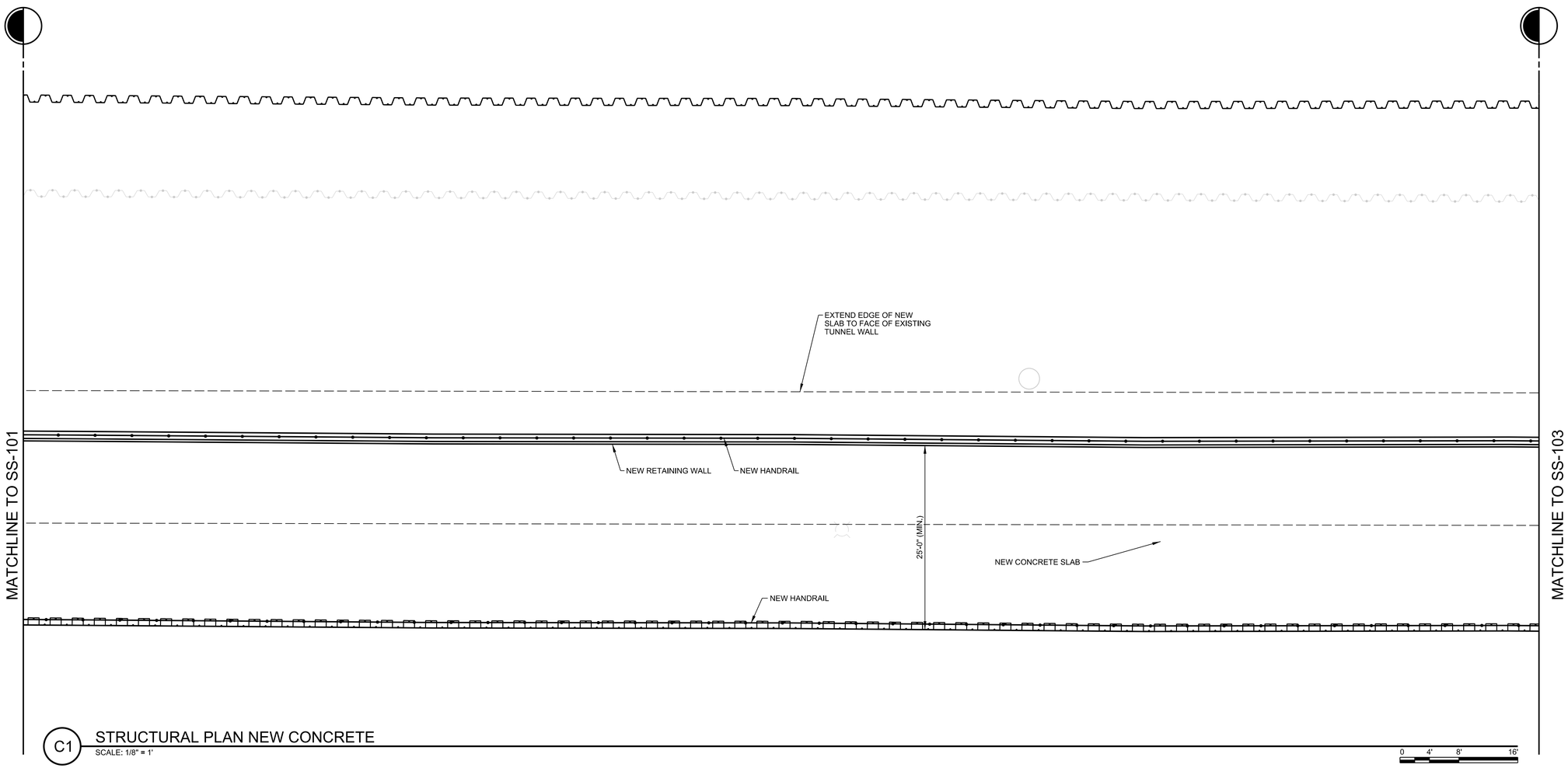
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

STRUCTURAL PLAN
NEW CONCRETE

SHEET ID

SS-101

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\SLAB AND RETAINING WALL LAYOUT
2:24:14 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



C1 STRUCTURAL PLAN NEW CONCRETE

SCALE: 1/8" = 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST., SUITE 1500
CHICAGO, ILLINOIS 60604

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: FILE NAME: ANSI D 114419_SS-102.dgn

ISSUE DATE: FEB 2019
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

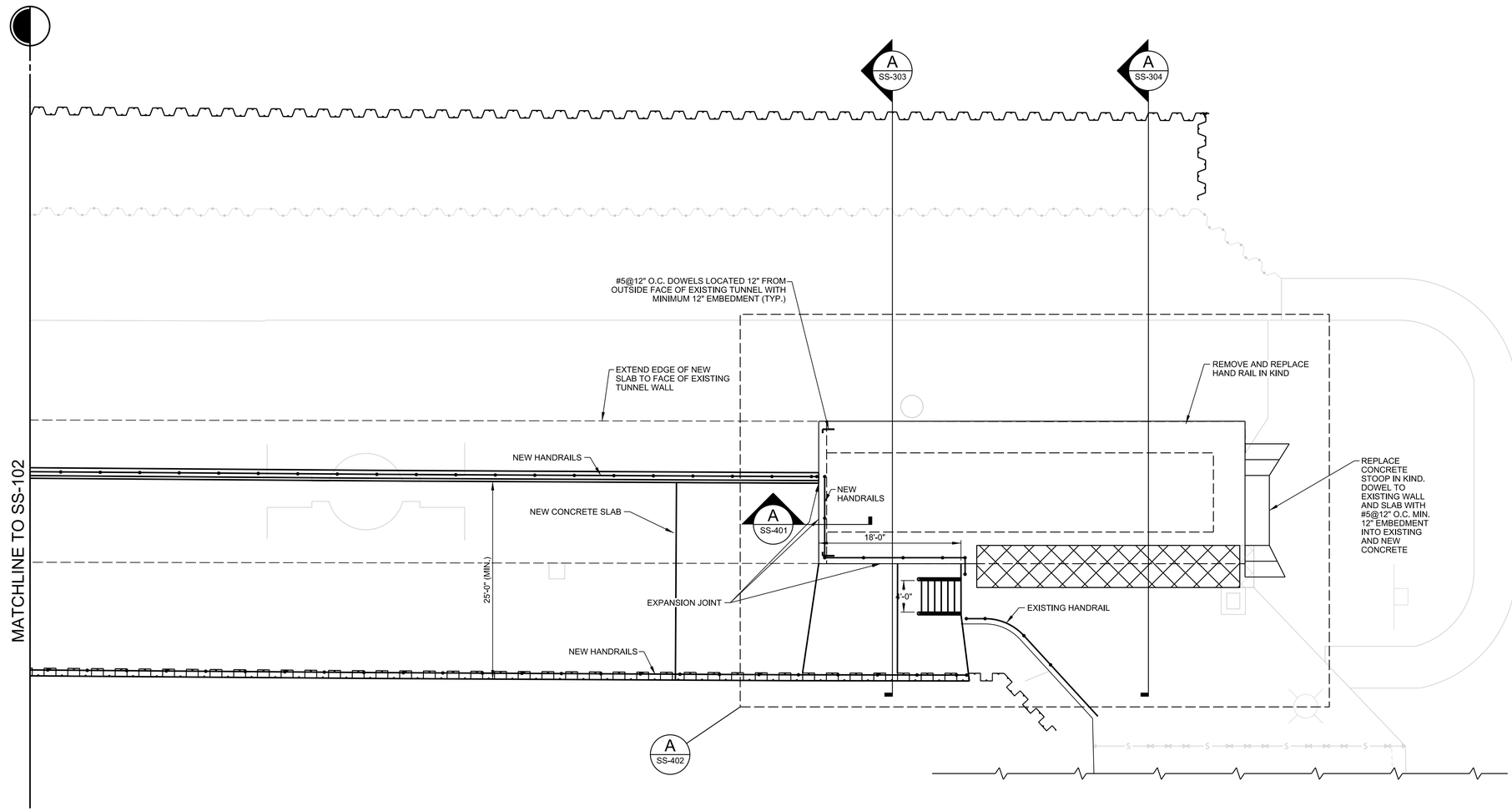
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

STRUCTURAL PLAN
NEW CONCRETE

SHEET ID

SS-102

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\STRUCTURAL PLAN NEW CONCRETE
2:24:44 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



B1 STRUCTURAL PLAN NEW CONCRETE

SCALE: 1/8" = 1'

0 4' 8' 16'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419 SS-103.dgn
PROJECT ID: 114419
CONTRACT NO.:
SOLICITATION NO.:
ISSUE DATE: FEB 2019

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

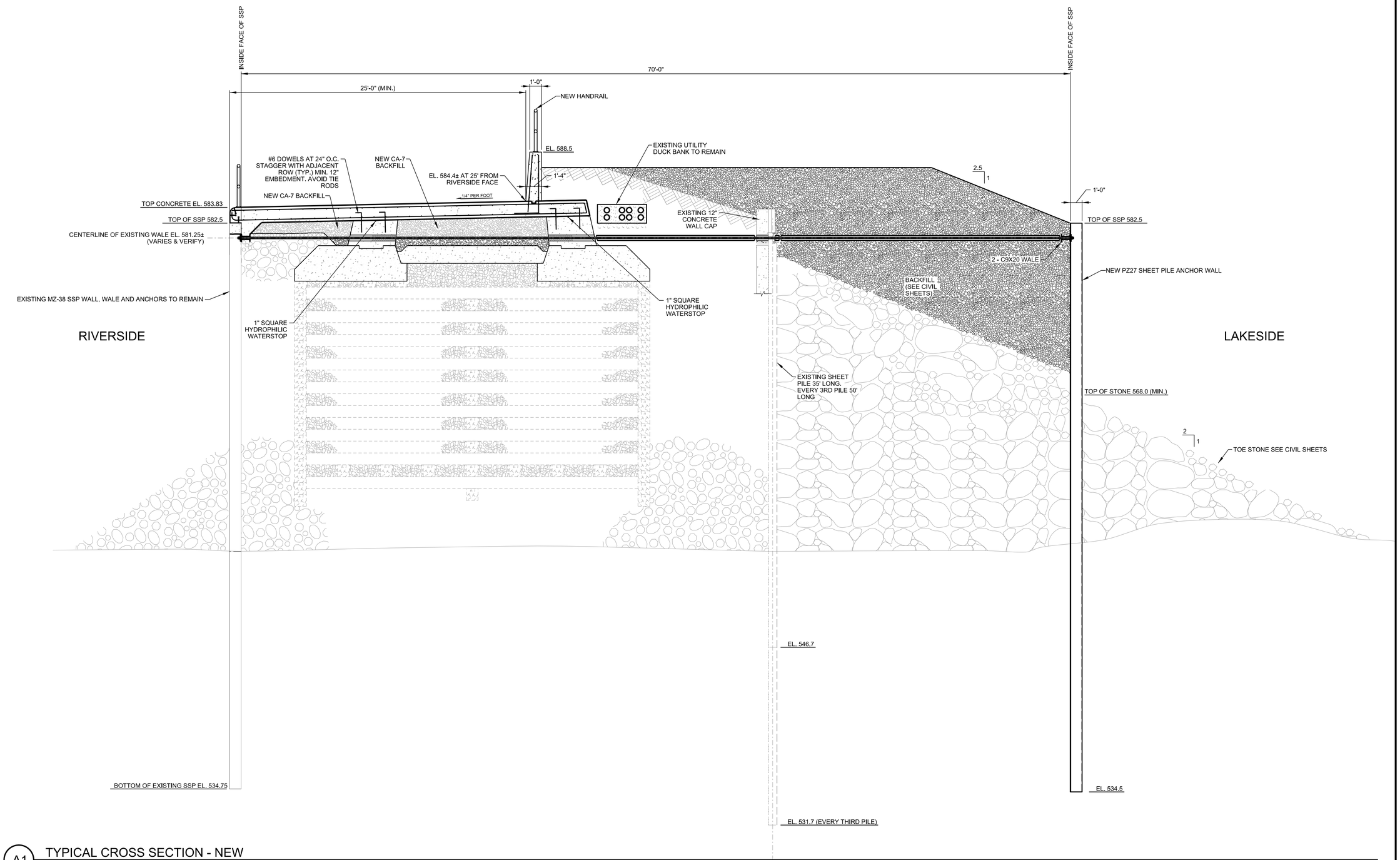
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

STRUCTURAL PLAN
NEW CONCRETE

SHEET ID

SS-103

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\SLAB AND RETAINING WALL LAYOUT
2:25:15 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



A1 TYPICAL CROSS SECTION - NEW

SCALE: 1/4" = 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, PE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_SS-301.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

TYPICAL CROSS SECTION - NEW

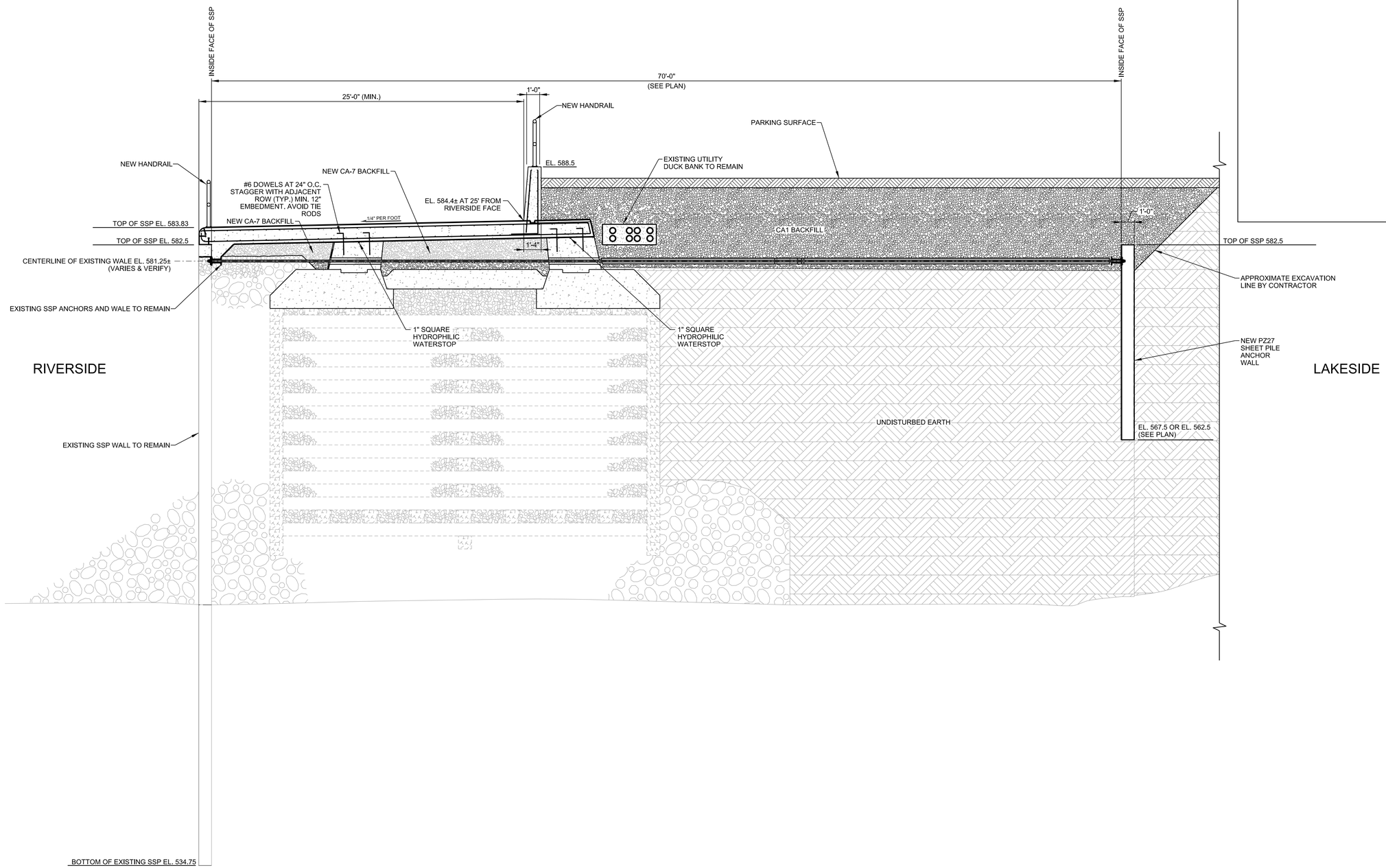
SHEET ID

SS-301

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\TYPICAL CROSS SECTION NEW
12:56:17 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript

GENERAL NOTES:

1. ANY SOIL EXCAVATED IN THE PARKING LOT FOR INSTALLATION OF THE TIE RODS OR THE NEW SSP ANCHOR WALL SHALL BE DISPOSED OF OFFSITE BY IAW SPECIFICATIONS. THE TOP 12" OF THE PARKING SURFACE SHALL BE REPLACED IN KIND.



A1 PARKING LOT CROSS SECTION - NEW

SCALE: 1/4" = 1'

0 2' 4' 8'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_SS-302.dgn
ISSUE DATE: FEB 2019
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

PARKING LOT CROSS SECTION - NEW

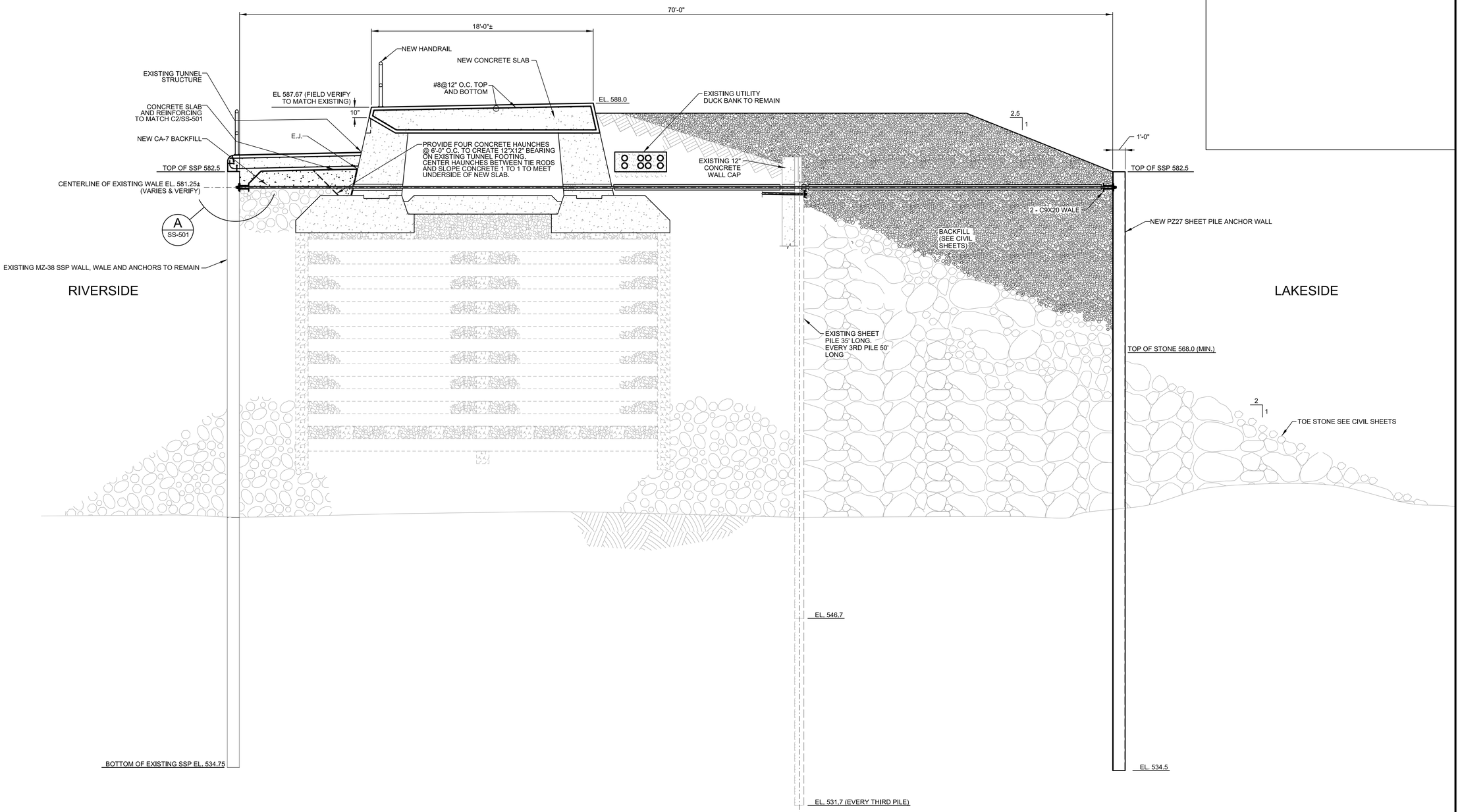
SHEET ID

SS-302

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\PARKING LOT CROSS SECTION NEW
12:56:24 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript

GENERAL NOTES:

1. CONCRETE COVER SHALL BE 4" CLEAR FOR SLABS OVER 24" THICK.



A1 EAST END CROSS SECTION SHOWING EXISTING SLAB - NEW

SCALE: 1/4" = 1'

0 2' 4' 8'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_SS-303.dgn
ISSUE DATE: FEB 2019
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

EAST END CROSS SECTION SHOWING EXISTING SLAB

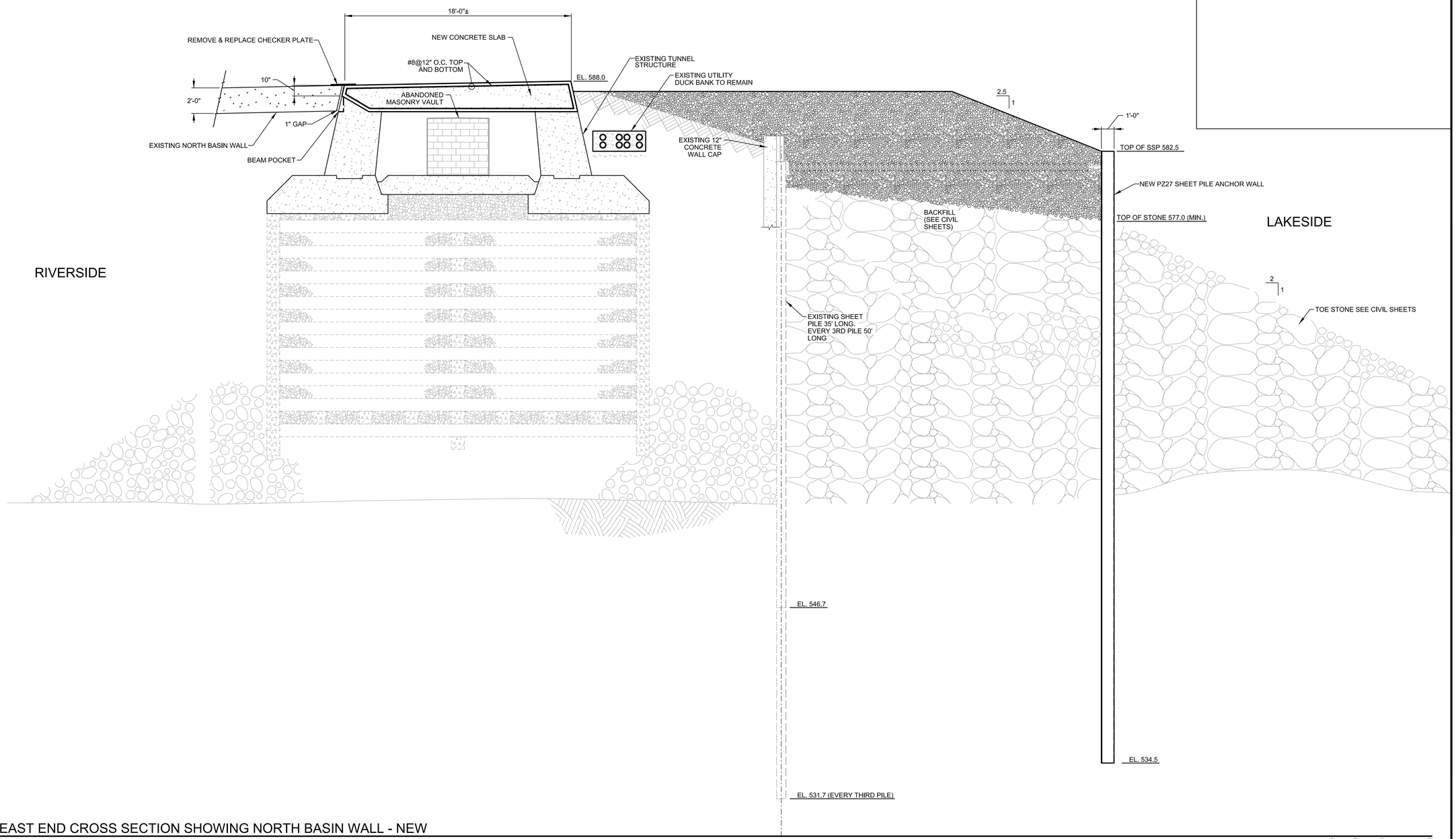
SHEET ID

SS-303

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\EAST END CROSS SECTION SHOWING EXISTING SLAB
12:56:31 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript

GENERAL NOTES:

1. CONCRETE COVER SHALL BE 4" CLEAR FOR SLABS OVER 24" THICK.



A1 EAST END CROSS SECTION SHOWING NORTH BASIN WALL - NEW

SCALE: 1/4" = 1'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_SS-304.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

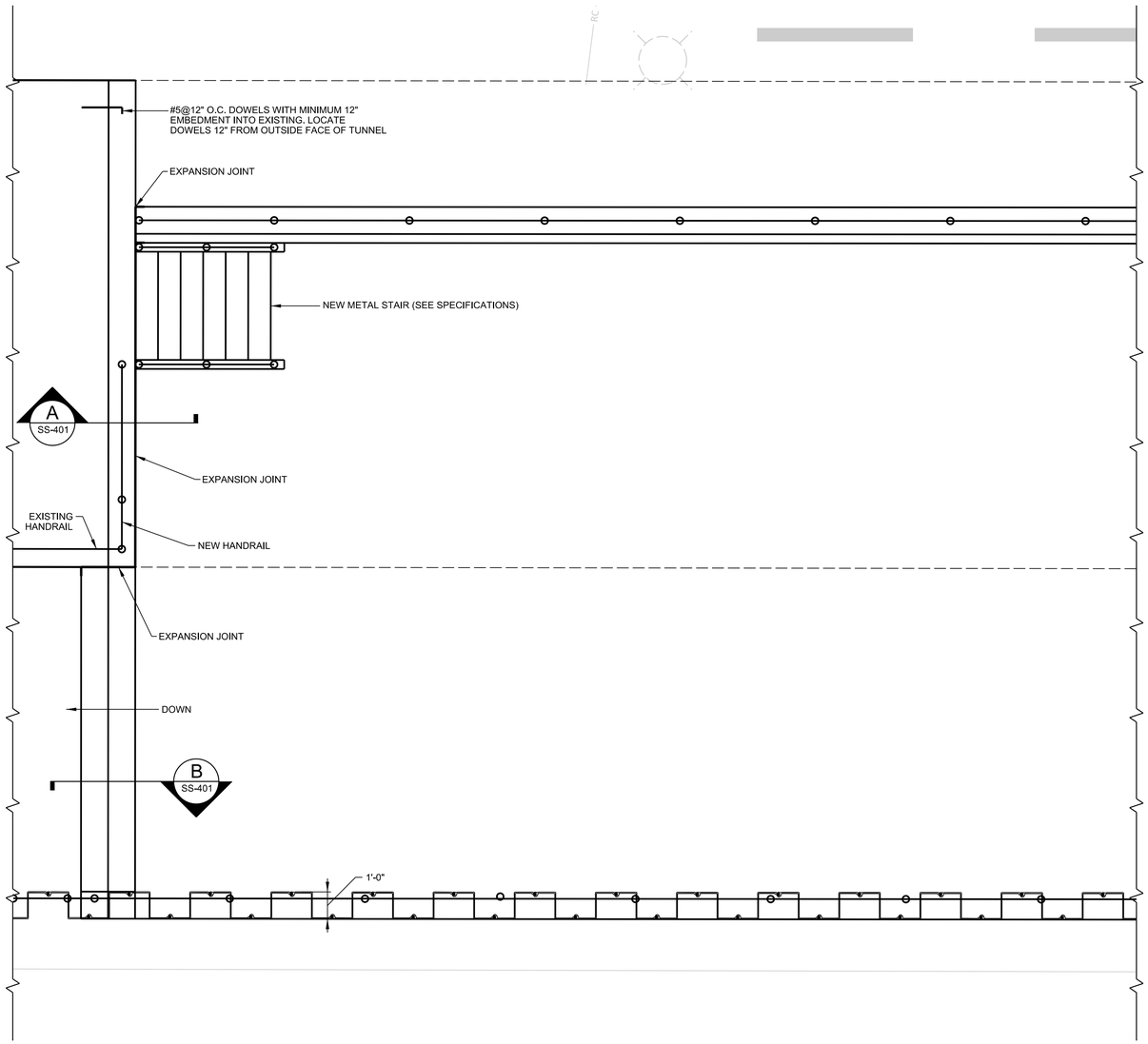
CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

EAST END CROSS SECTION
SHOWING NORTH BASIN WALL - NEW

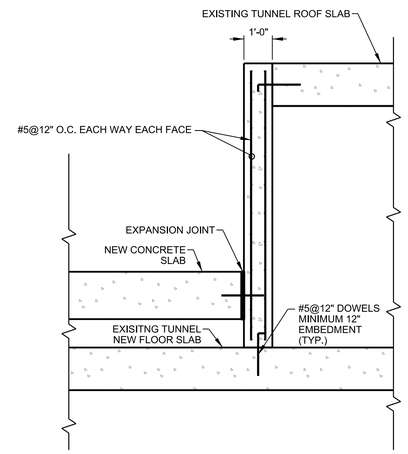
SHEET ID

SS-304

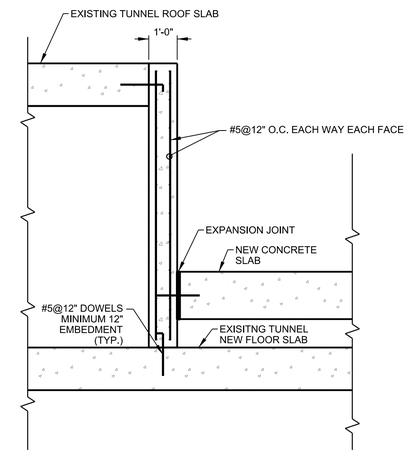
...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\EAST END CROSS SECTION SHOWING NORTH BASIN WALL -
12:56:38 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



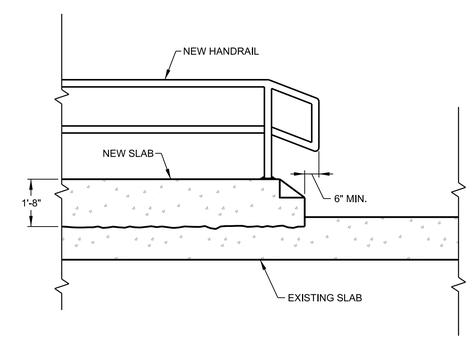
B1 WEST END ENLARGED PLAN VIEW
SCALE: 3/8" = 1'
0 2' 4' 8'



E1 SS-401 E7 DETAIL A
SCALE: 3/8" = 1'
0 2' 4' 8'



D2 SS-402 E9 DETAIL B
SCALE: 3/8" = 1'
0 2' 4' 8'



C1 SS-401 B7 DETAIL B
SCALE: 3/8" = 1'
0 2' 4' 8'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

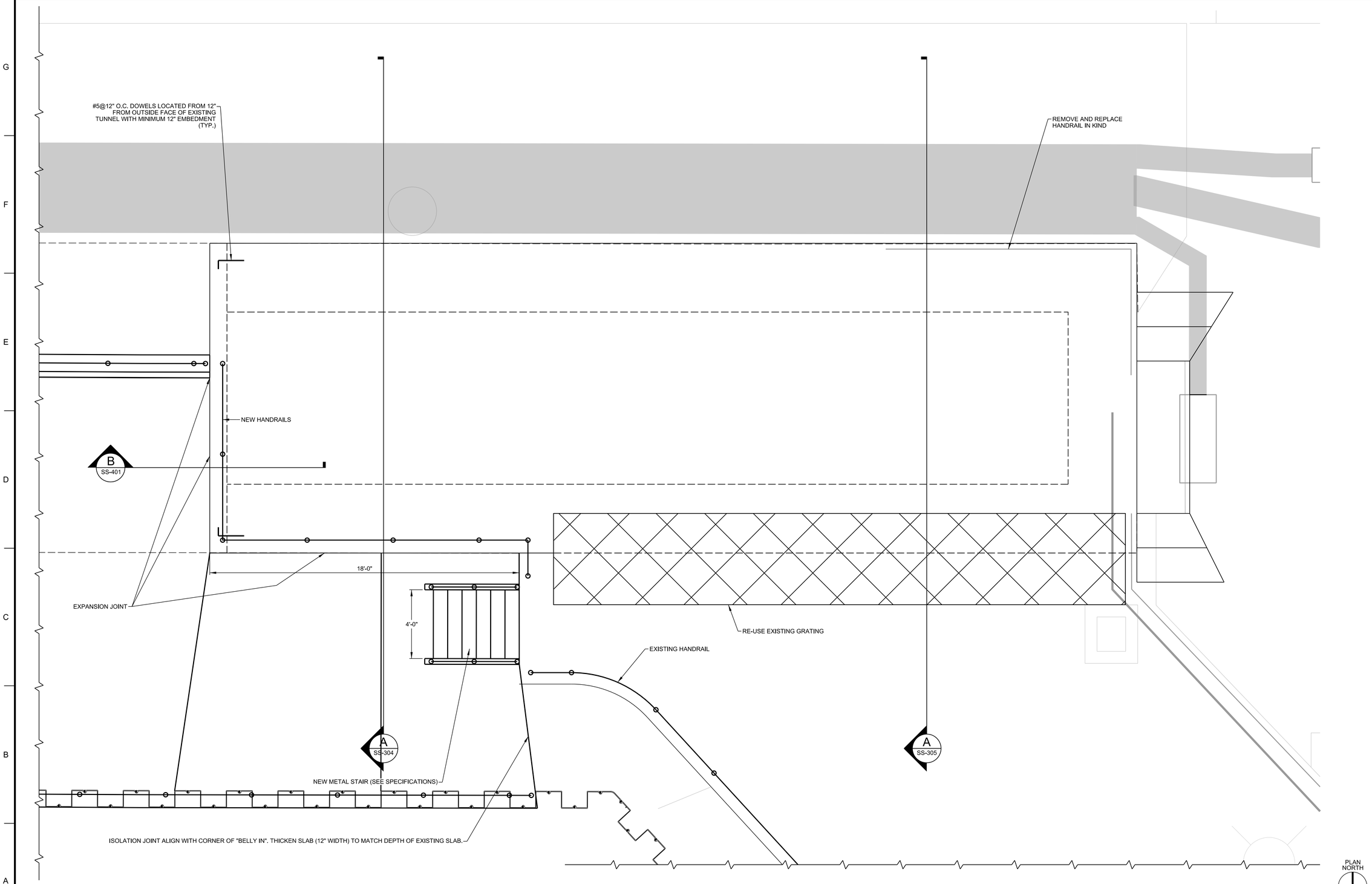
DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: KAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_SS-401.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

WEST END ENLARGED PLAN VIEW

SHEET ID
SS-401

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\WEST END ENLARGED PLAN VIEW
12:56:47 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript



A1 EAST END ENLARGED VIEW PLAN

SCALE: 3/8" = 1'

0 2' 4' 8'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE, SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER, PE
SIZE: ANSI D
FILE NAME: 114419_SS-402.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST., SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

EAST END ENLARGED PLAN VIEW

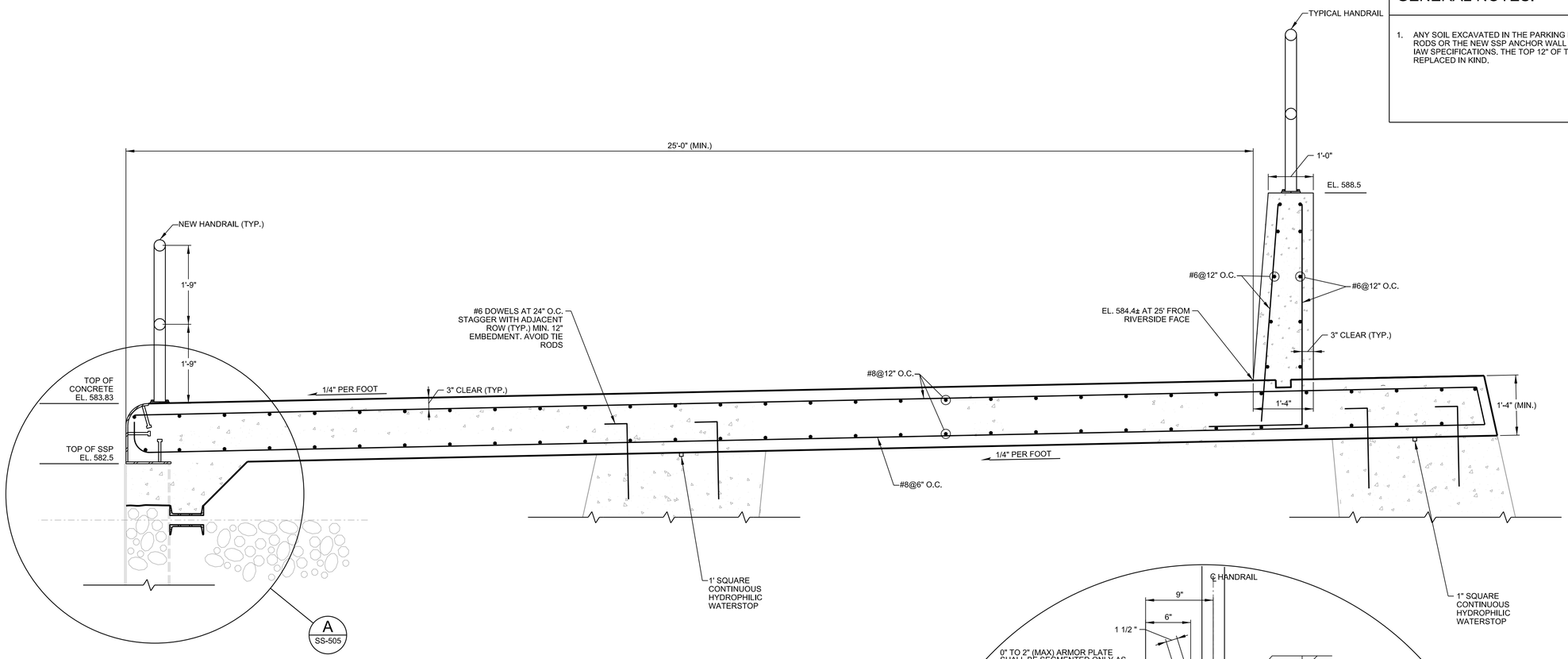
SHEET ID

SS-402

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\EAST END ENLARGED PLAN VIEW
12:56:54 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript

GENERAL NOTES:

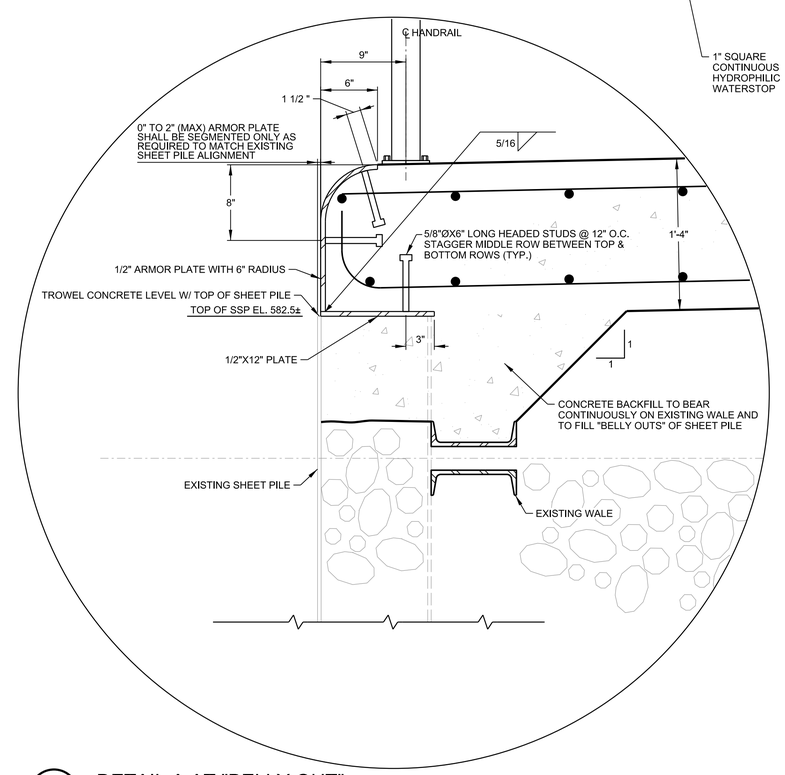
1. ANY SOIL EXCAVATED IN THE PARKING LOT FOR INSTALLATION OF THE TIE RODS OR THE NEW SSP ANCHOR WALL SHALL BE DISPOSED OF OFFSITE BY IAW SPECIFICATIONS. THE TOP 12" OF THE PARKING SURFACE SHALL BE REPLACED IN KIND.



C2 TYPICAL CONCRETE CROSS SECTION

SCALE: 3/4" = 1'

0 1' 2' 4'



E2 SS-505 A6 DETAIL A AT "BELLY OUT"

SCALE: 1 1/2" = 1'

0 6" 1' 2'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: DAVID FORCE SE
DRAWN BY: KPC
CHECKED BY: FL
SUBMITTED BY: FAYE LEFFLER PE
SIZE ANSI D
FILE NAME: 114419_SS-501.dgn
ISSUE DATE:
SOLICITATION NO.:
CONTRACT NO.:
PROJECT ID: 114419

U.S. ARMY CORPS OF ENGINEERS
CHICAGO DISTRICT
231 S. LASALLE ST. SUITE 1500
CHICAGO, ILLINOIS 60604

CHICAGO LOCK
NORTH PIER REPAIRS
CHICAGO, ILLINOIS

TYPICAL CONCRETE CROSS SECTIOPN AND REINFORCING

SHEET ID

SS-501

...\Chicago Lock North Pier Repair - 114419\40 - Geospatial Data\Drawings\CAD_BIM_Sheets\TYPICAL CONCRETE CROSS SECTION AND REINFORCING
12:57:01 PM 2/12/2019 PD: AEC_pdf.pltcfg DS: AEC_Screen.dscript