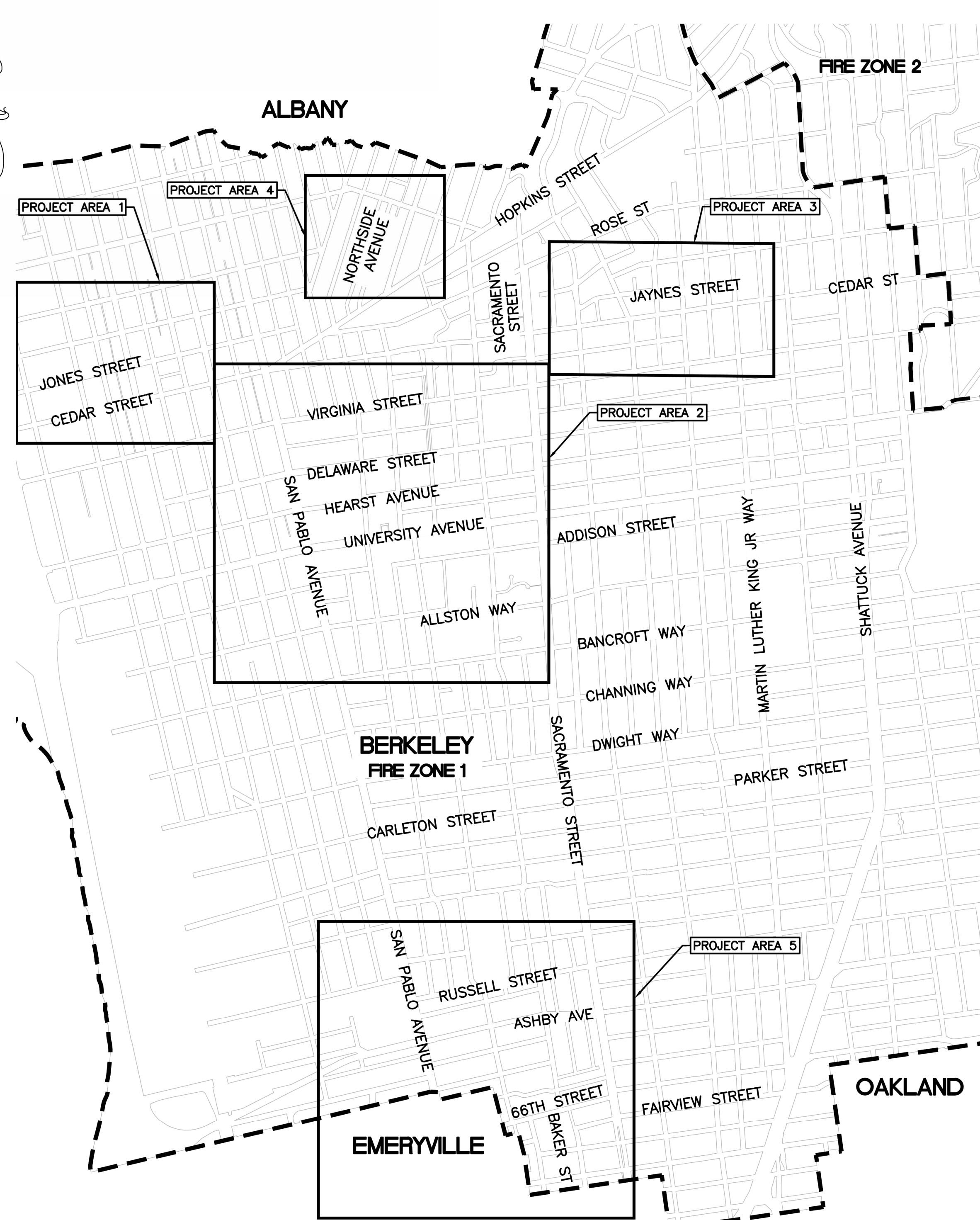
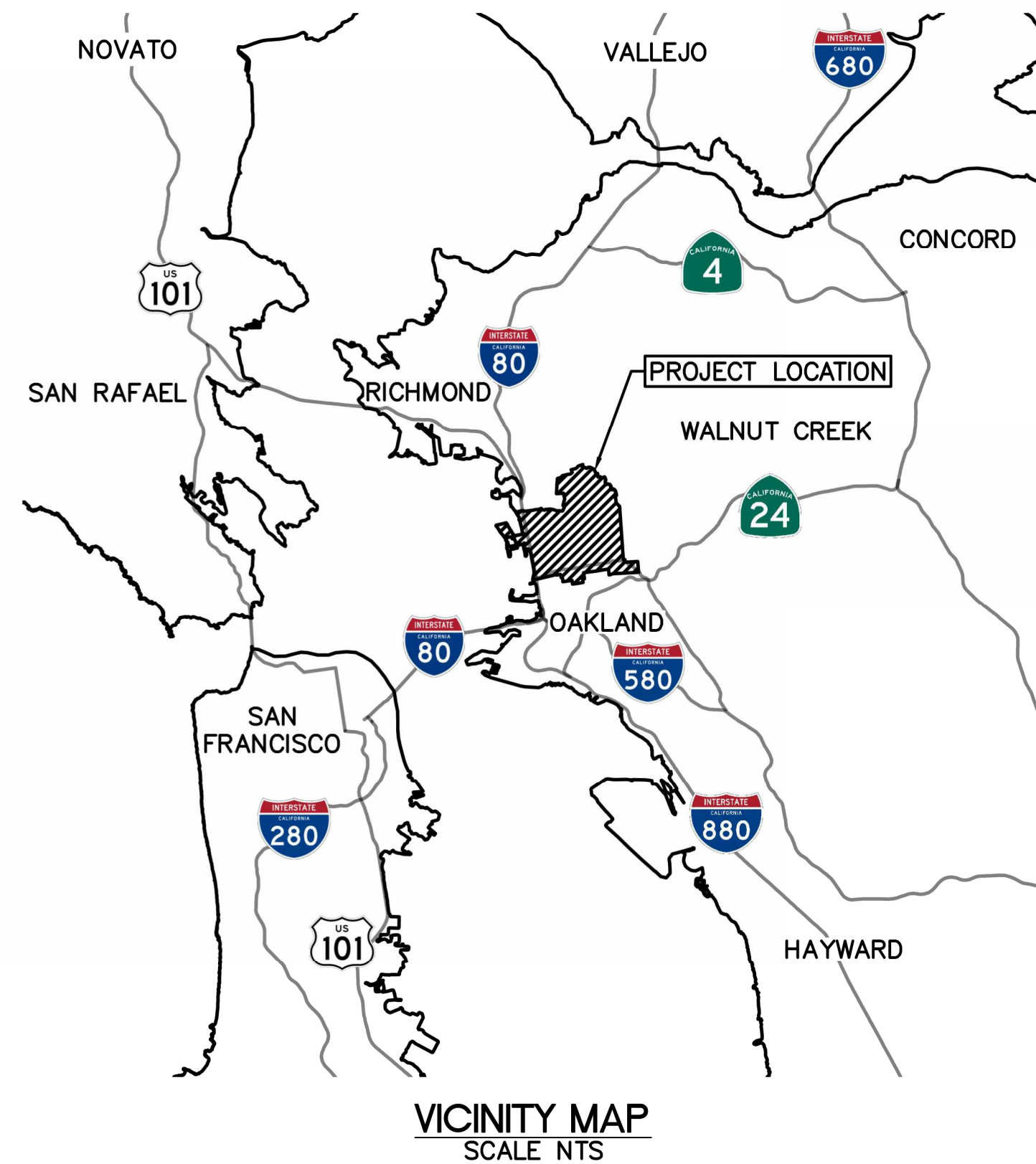


CITY OF BERKELEY, CALIFORNIA

SANITARY SEWER REHABILITATION

VIRGINIA STREET, RUSSELL STREET, ET AL

SPECIFICATION NO. 24-11621-C



INDEX OF DRAWINGS

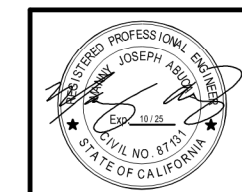
| SHEET NO. | PROJECT AREA | DRAWING TITLE |
|-----------|----------------|--|
| 01 | --- | TITLE SHEET |
| 02 | --- | VICINITY MAPS |
| 03 | --- | VICINITY MAPS |
| 04 | --- | GENERAL NOTES, LEGEND, & ABBREVIATIONS |
| 05 | PROJECT AREA 1 | JONES STREET STA 10+00 TO 14+50 |
| 06 | PROJECT AREA 1 | JONES STREET STA 14+50 TO 19+00 |
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| 13 | PROJECT AREA 2 | VIRGINIA STREET STA 33+50 TO 35+75 |
| 14 | PROJECT AREA 2 | DELAWARE STREET STA 9+00 TO 13+50 |
| 15 | PROJECT AREA 2 | DELAWARE STREET STA 13+50 TO 16+50 |
| 16 | PROJECT AREA 2 | DELAWARE STREET STA 16+50 TO 19+00 |
| 17 | PROJECT AREA 2 | HEARST AVENUE STA 9+00 TO 12+50 |
| 18 | PROJECT AREA 2 | HEARST AVENUE STA 12+50 TO 17+00 |
| 19 | PROJECT AREA 2 | UNIVERSITY AVENUE STA 10+00 TO 14+00 |
| 20 | PROJECT AREA 2 | UNIVERSITY AVENUE STA 14+00 TO 18+00 |
| 21 | PROJECT AREA 3 | JAYNES STREET STA 10+00 TO 14+00 |
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| 23 | PROJECT AREA 4 | NORTHSIDE AVENUE STA 10+00 TO 11+50 |
| 24 | PROJECT AREA 5 | 66TH STREET STA 1+50 TO 5+50 |
| 25 | PROJECT AREA 5 | 66TH STREET STA 5+50 TO 8+00 |
| 26 | PROJECT AREA 5 | BAKER STREET STA 8+00 TO 11+00 |
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| 29 | PROJECT AREA 5 | RUSSELL STREET STA 7+95 TO 12+00 |
| 30 | PROJECT AREA 5 | RUSSELL STREET STA 12+00 TO 16+00 |
| 31 | PROJECT AREA 5 | RUSSELL STREET STA 16+00 TO 20+00 |
| 32 | --- | DETAILS |
| 33 | --- | DETAILS |
| 34 | --- | DETAILS |
| 35 | --- | DETAILS |

CONTACT INFORMATION

| | |
|---|---|
| CALTRANS: | GEORGE LEE 510-715-6805 GEORGE.LEE@DOT.CA.GOV |
| EAST BAY MUNICIPAL UTILITY DISTRICT (EBMUD): | KRISTINA ZUNIGA KRISTINA.ZUNIGA@EBMUD.COM |
| SAN FRANCISCO BAY AREA RAPID TRANSIT (BART): | MARCUS WILLIAMS 510-987-5298 MWILLI5@BART.GOV |
| PACIFIC GAS & ELECTRIC (PG&E): | KEVIN LIM (GAS) 915-808-8309 KWL7@PGE.COM CEDRICKE DENNIS (ELECTRIC) 510-385-6211 CMD5@PGE.COM |
| COMCAST: | CHRIS MORRISON 510-377-5421 CHRISTOPHER_MORRISON@CABLE.COMCAST.COM |
| AT&T: | DOUGLAS YAMASHITA 925-328-6818 DY8154@ATT.COM |
| CITY OF BERKELEY: | ADADU YEMANE 510-981-6413 AYEMANE@BERKELAYCA.GOV |

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REFERENCE SEWER MAP NO.



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Intelligent Infrastructure
925-685-4569
bellecci.com

PROJECT MANAGER: *Adadu Yemane* DATE: 12/13/23
DEPICTION OF MONUMENTS: *Baird Barton* DATE: 12/14/23
SURVEY PARTY CHIEF: *Baird Barton*
WATERSHED REVIEW: *David Doherty* DATE: 12/13/23

SUBMITTED: DATE: _____
SUPERVISING CIVIL ENGINEER: _____
APPROVED: *[Signature]* DATE: 12/13/23
CITY ENGINEER: _____ R.C.E. C62524 EXP. 9/30/25

DESIGN: MA
DRAWN: JB
CHECK: TH
AS BUILT: _____

HORIZ: _____
VERT: _____
BOOK: _____
DATE: 12/1/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
TITLE SHEET
LOCATION MAP & INDEX OF DRAWINGS

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 01 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

SURVEY CONTROL POINTS

CONTROL DATA (U.S. SURVEY FOOT)

-HORIZONTAL CONTROL IN GROUND VALUES
-VERTICAL CONTROL IN CITY OF BERKELEY DATUM.

| DESIGNATION | NORTHING | EASTING | ELEVATION | DESCRIPTION |
|-----------------------------|------------|------------|-----------|----------------|
| CITY BENCHMARKS USED | | | | |
| 50 | 2145725.63 | 6045963.50 | 80.01 | FND BM 7391332 |
| 52 | 2140934.67 | 6049603.39 | 115.89 | FND BM B0291 |
| 53 | 2137996.18 | 6045809.53 | 43.51 | FND BM B0142 |
| CONTROL SET | | | | |
| 6 | 2140253.02 | 6047038.99 | 71.77 | MAG NAIL |
| 7 | 2138397.90 | 6046635.60 | 53.43 | MAG NAIL |
| 8 | 2138254.65 | 6045966.90 | 47.50 | MAG NAIL |
| 10 | 2138283.68 | 6046188.78 | 48.45 | MAG NAIL |
| 11 | 2137951.44 | 6045783.94 | 45.21 | CUT X |
| 12 | 2138242.18 | 6045750.72 | 45.25 | CUT X |
| 13 | 2136586.62 | 6047759.33 | 61.84 | MAG NAIL |
| 28 | 2146911.02 | 6047808.80 | 113.58 | MAG NAIL |
| 29 | 2147049.28 | 6048116.95 | 118.50 | MAG NAIL |
| 30 | 2147677.81 | 6045286.02 | 72.25 | MAG NAIL |
| 31 | 2147832.22 | 6045242.71 | 72.54 | MAG NAIL |
| 32 | 2145780.14 | 6046210.59 | 89.51 | MAG NAIL |
| 33 | 2145672.71 | 6045460.43 | 75.44 | MAG NAIL |
| 34 | 2145011.74 | 6045504.48 | 67.83 | MAG NAIL |
| 35 | 2144950.26 | 6045075.57 | 62.84 | MAG NAIL |
| 36 | 2144686.71 | 6046290.30 | 80.89 | MAG NAIL |
| 37 | 2144659.18 | 6045953.28 | 75.69 | MAG NAIL |
| 38 | 2144050.63 | 6045579.88 | 66.71 | COPPER DISK |
| 39 | 2143985.97 | 6045117.55 | 58.25 | MAG NAIL |
| 40 | 2146163.58 | 6042210.07 | 15.17 | MAG NAIL |
| 42 | 2146036.36 | 6041553.62 | 6.57 | MAG NAIL |
| 43 | 2146087.97 | 6041826.70 | 10.24 | MAG NAIL |
| 46 | 2145722.75 | 6045917.58 | 78.83 | MAG NAIL |
| 5077 | 2136727.78 | 6048226.93 | 68.34 | MAG NAIL |
| 5078 | 2136863.04 | 6047679.21 | 59.01 | MAG NAIL |
| 5590 | 2145611.37 | 6045028.93 | 63.29 | MAG NAIL |
| 5659 | 2145541.50 | 6044535.70 | 45.57 | MAG NAIL |
| 5691 | 2145473.91 | 6043960.27 | 35.30 | CUT X |
| 5955 | 2144659.18 | 6045953.24 | 75.80 | MAG NAIL |
| 6080 | 2141106.56 | 6050831.87 | 145.42 | MAG NAIL |
| 6081 | 2141003.90 | 6050136.44 | 129.17 | MAG NAIL |
| 6198 | 2141199.36 | 6051387.15 | 158.52 | MAG NAIL |

THE CONTROL TABLE VALUES CONTAINED HEREIN HAVE BEEN REVIEWED BY A CITY OF BERKELEY SURVEY CHIEF OF PARTY FOR CONFORMITY WITH RECORD INFORMATION ONLY. NO FIELD VERIFICATION OF THIS DATA HAS BEEN PERFORMED BY THE CITY OF BERKELEY SURVEY CREWS.

MONUMENTS B0142 AND CONTROL POINTS 6, 11, 6080, 6081 & 6198 ARE OUTSIDE OF THE LIMITS SHOWN ON PLANS

THE TOPOGRAPHIC MAPPING OF THE SITES SHOWN HEREON WAS SURVEYED USING A COMBINATION OF TRIMBLE R12 GPS AND TSC7 TOTAL STATION EQUIPMENT.

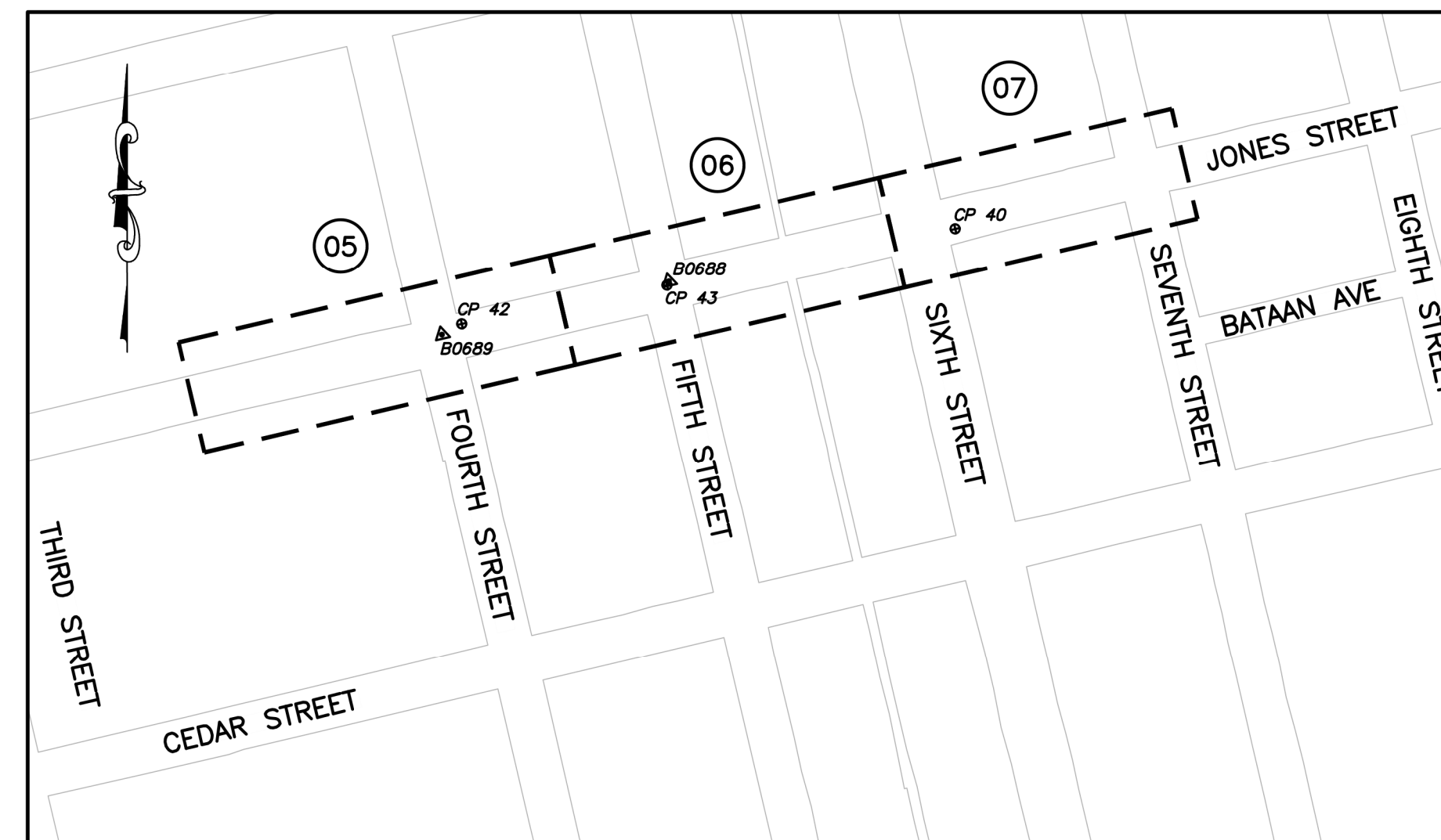
SURVEY CONTROL SHOWN HEREON BASED ON NAD83, ZONE III EPOCH 2010.00 DATUM. ELEVATIONS SHOWN ARE HEREON ARE CITY OF BERKELEY DATUM.

RIGHT OF WAY (ROW) SHOWN HEREON IS BEST FIT AND WAS OBTAINED FROM AVAILABLE PUBLIC RECORDS AND FOUND MONUMENTS IN THE FIELD. NO ATTEMPT WAS MADE TO RETRACE THE ROW.

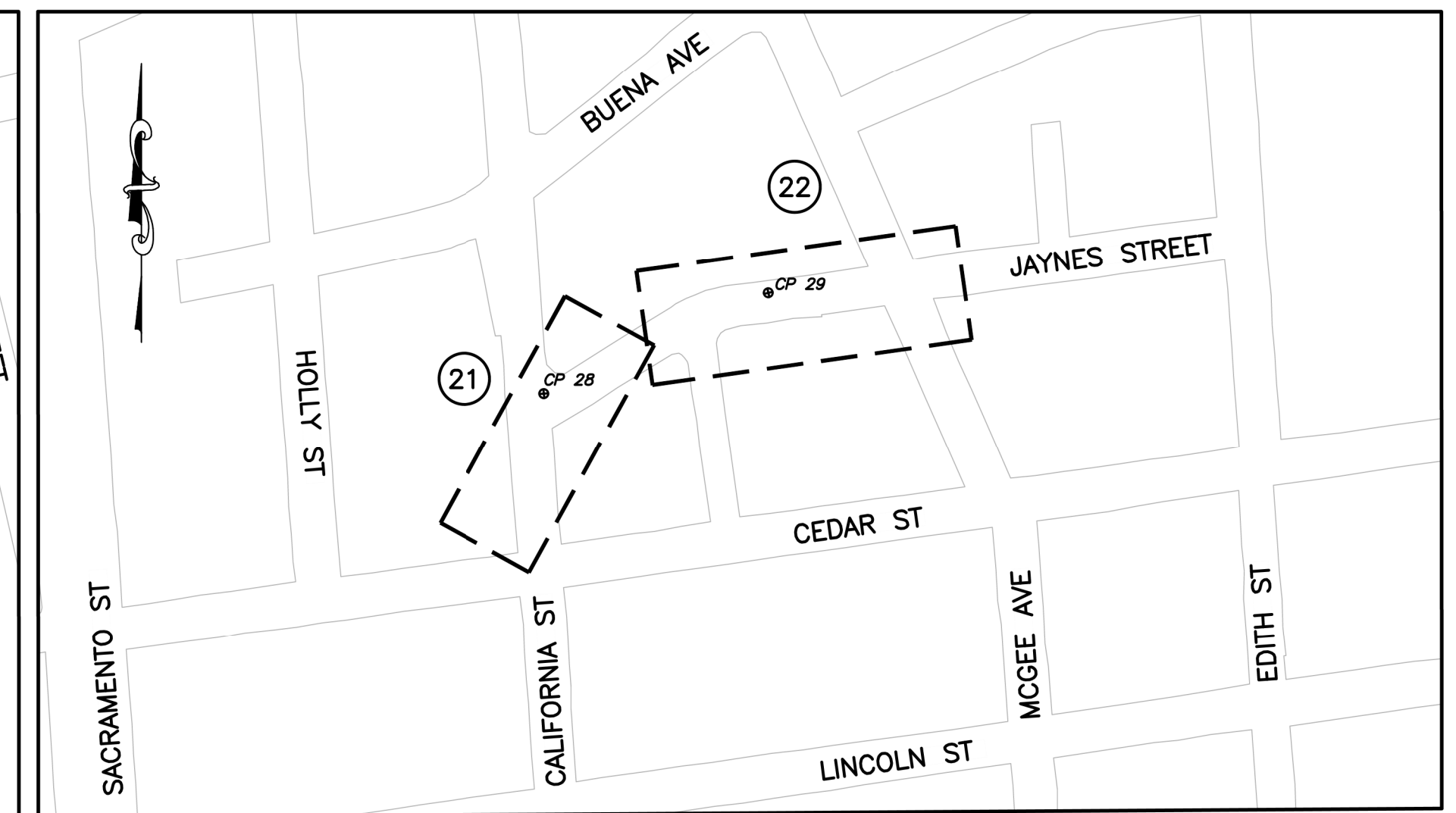
UTILITY INFORMATION SHOWN HEREON ARE BASED ON AVAILABLE RECORDS FROM UTILITY COMPANIES AND SURFACE VISIBLE EVIDENCE. NO ATTEMPT WAS MADE TO LOCATE UNDERGROUND UTILITIES. SOME MANHOLES WERE DEEMED INACCESSIBLE DUE TO UNSAFE TRAFFIC CONDITIONS. PIPE RUNS IN AND OUT OF INACCESSIBLE MANHOLES ARE SHOWN PER ALAMEDA COUNTY GIS RECORDS.



PROJECT AREA 2
SCALE 1"=200'



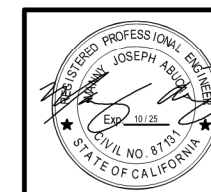
PROJECT AREA 1
SCALE 1"=200'



PROJECT AREA 3
SCALE 1"=200'

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DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF: _____ DATE _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
DRAWN: _____ EXP. _____
SUPERVISING CIVIL ENGINEER: _____
APPROVED: _____ DATE _____
R.C.E. _____
CITY ENGINEER: _____ EXP. _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT: _____

HORIZ. _____
VERT. _____
BOOK _____
DATE 12/14/23

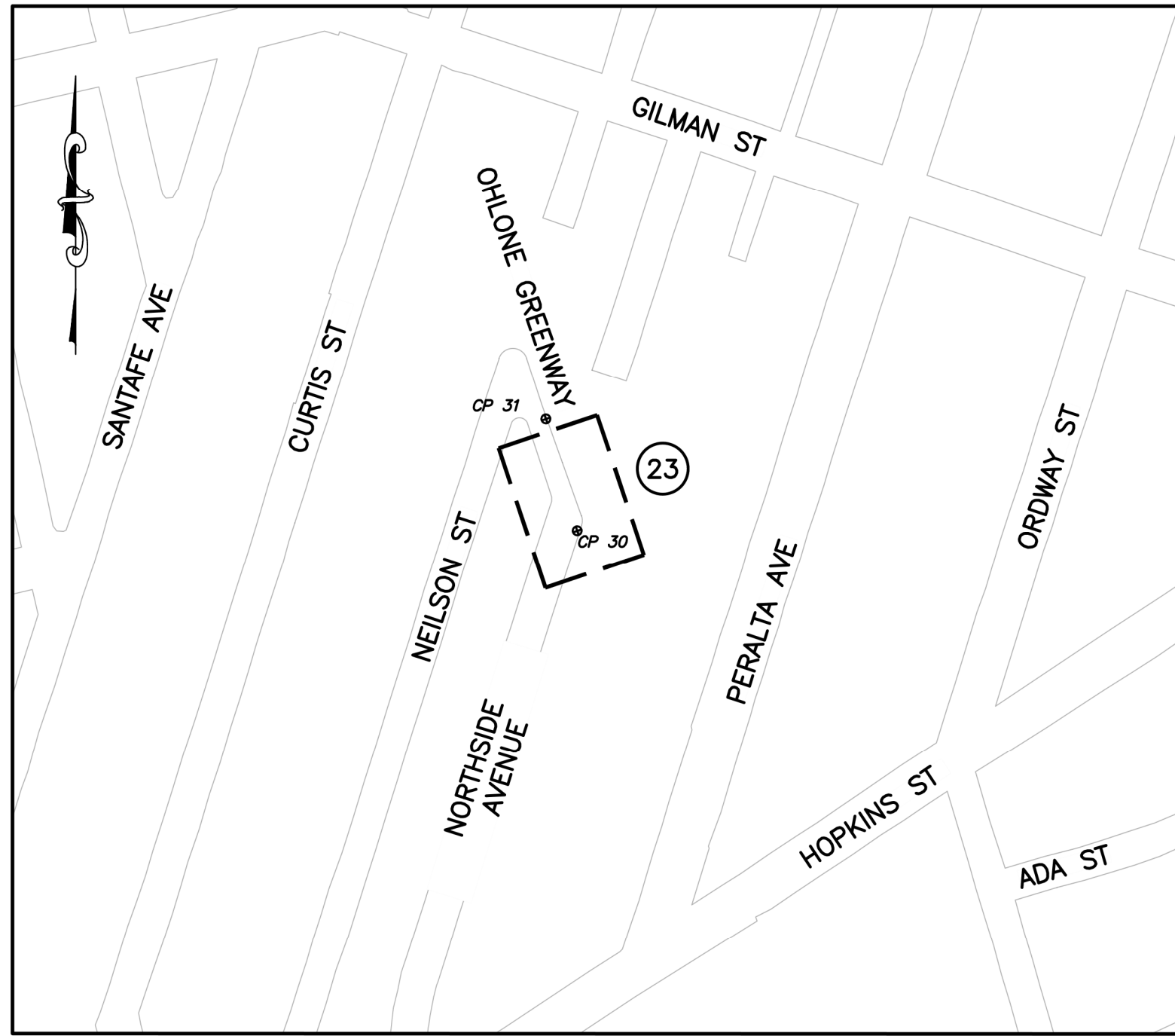
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
VICINITY MAPS
AND SHEET KEY

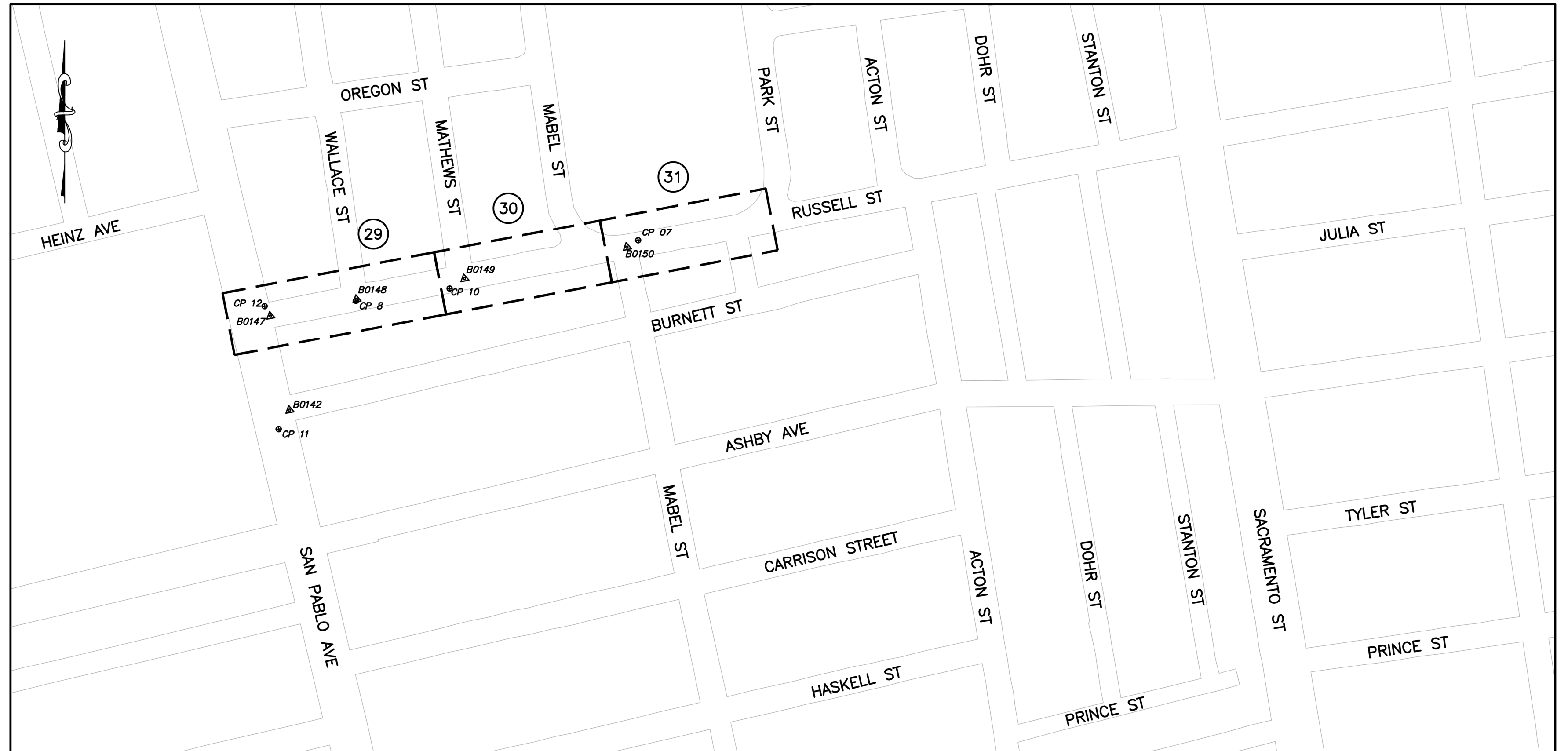
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 02 OF 35

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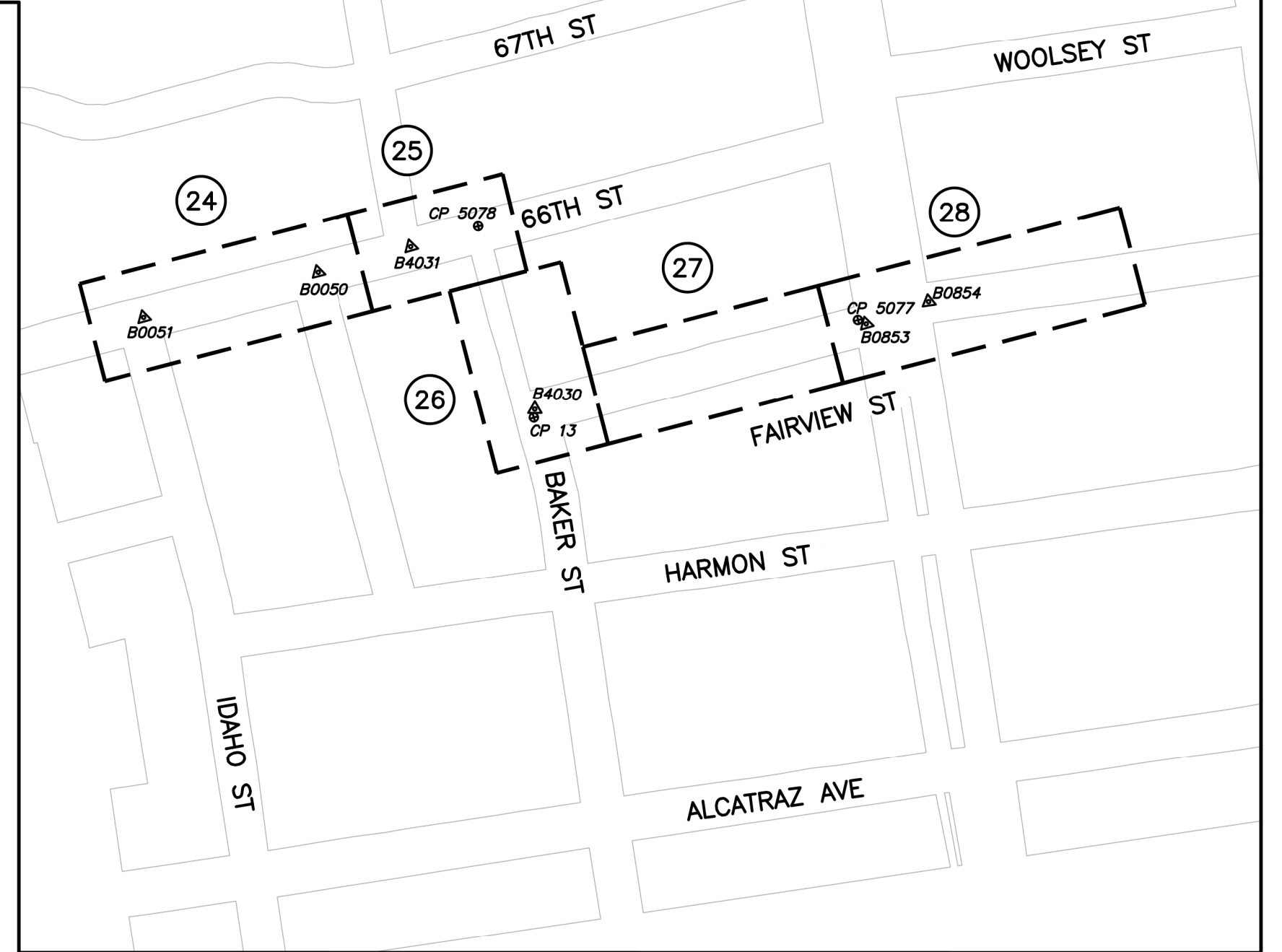
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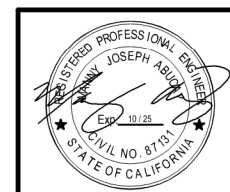
PROJECT AREA 4
SCALE 1"=200'



PROJECT AREA 5
SCALE 1"=200'



FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

SUBMITTED: _____ DATE _____
R.C.E. _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. _____
CITY ENGINEER _____ EXP. _____

DESIGN MA _____
DRAWN JB _____
CHECK TH _____
AS BUILT _____
DATE 12/14/23

HORIZ. _____
VERT. _____
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

**SANITARY SEWER REHABILITATION
VICINITY MAPS
AND SHEET KEY**

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 03 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
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GENERAL NOTES

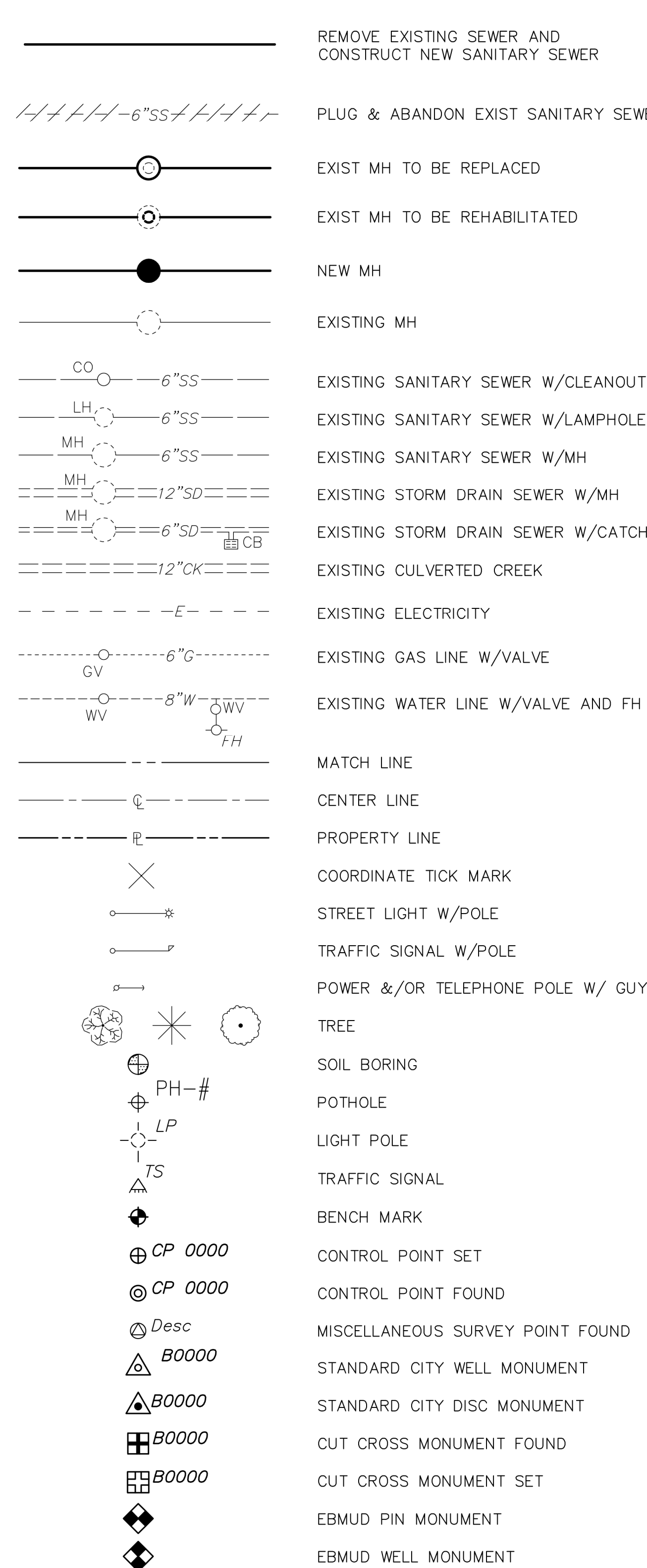
1. THE LOCATIONS AND/OR ELEVATIONS OF UNDERGROUND UTILITIES AND SUBSTRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 OR (800) 227-2600 AT LEAST FOUR WORKING DAYS BEFORE EXCAVATING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING UTILITIES IN ACCORDANCE WITH SPECIFICATIONS.

18. TEMPORARY BITUMINOUS SURFACING AND CLEAN UP OF THE WORK SHALL BE INSPECTED AND MAINTAINED DAILY BY THE CONTRACTOR. CONTRACTOR WILL BE CHARGED BY DEDUCTIONS FROM PAYMENTS DUE ON THE CONTRACT AT THE RATE AND SURCHARGE DESIGNATED IN SPECIAL CONDITIONS NOS. 6 & 7 FOR NON-COMPLIANCE.

ABBREVIATIONS

Table listing abbreviations and their corresponding full names, such as ABAN (ABANDONED), AC (ASPHALT CONCRETE), APPD (APPROVED), and MAX (MAXIMUM).

LEGEND

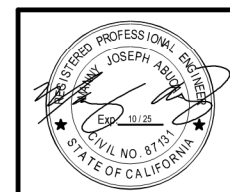


SEWER REPLACEMENT METHODS

METHOD "A" - CURED-IN-PLACE PIPE LINER (CIPP LINER), DEFORMED RE-FORMED HDPE PIPE LINER. METHOD "B" - PIPE SPLITTING. USE HDPE PIPE SDR-17. METHOD "C" - TRADITIONAL OPEN TRENCH REPLACEMENT. USE HDPE SDR-17. METHOD "D" - PIPE REAMING. USE HDPE SDR-17.

CONTRACTOR SHALL PERFORM FINAL SWEEPING AND CLEANUP OF ALL STREETS AND SIDEWALKS AFFECTED BY THE THE CONSTRUCTION UPON COMPLETION OF CONSTRUCTION. FINAL CLEANUP SHALL BE IN ACCORDANCE WITH SUBSECTION 401.13 OF THE GENERAL PROVISIONS.

THE CONTRACTOR IS NOT ALLOWED TO USE WATER TO CLEAN THE STREET PAVEMENT SURFACE THAT WOULD VIOLATE CITY OF BERKELEY MUNICIPAL CODE CHAPTER 17.20.



Bellecci Intelligent Infrastructure logo and contact information.

PROJECT MANAGER: DATE DEPICTION OF MONUMENTS: DATE SURVEY PARTY CHIEF: DATE WATERSHED REVIEW: DATE

Submitted: DATE R.C.E. EXP. DESIGN: MA DRAWN: JB SUPERVISING CIVIL ENGINEER APPROVED: DATE R.C.E. EXP. CITY ENGINEER

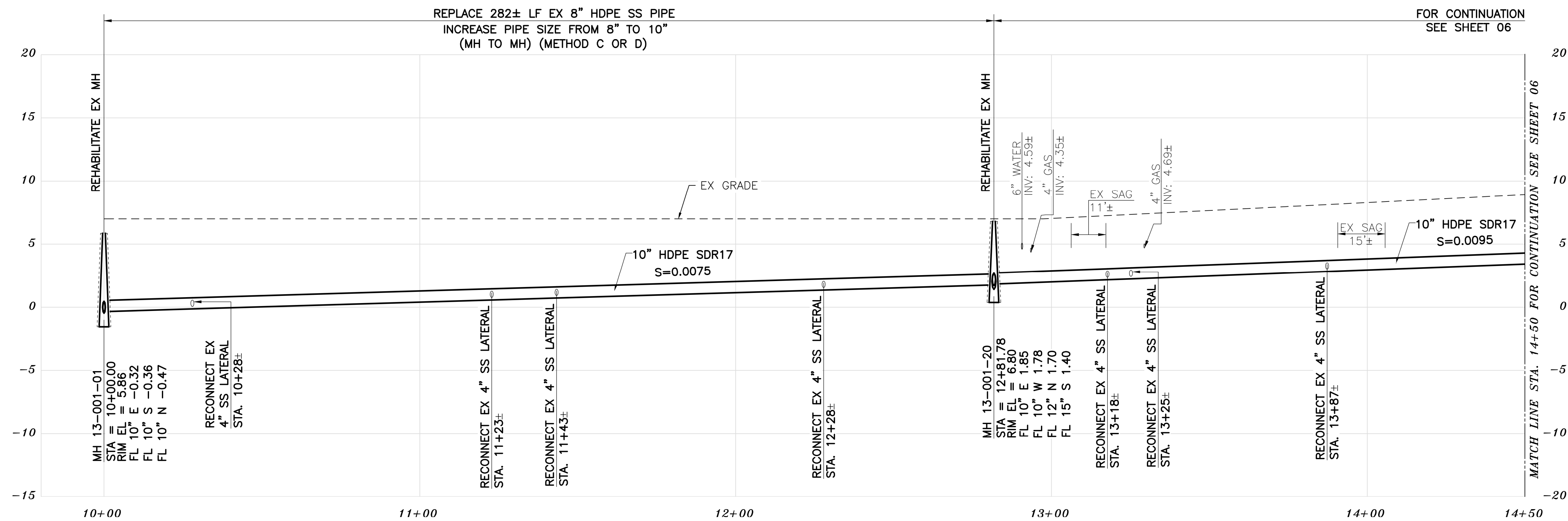
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CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION GENERAL NOTES, LEGEND, & ABBREVIATIONS

PLAN NO.: 8272 FILE NO.: 502-707 SHEET 04 OF 35

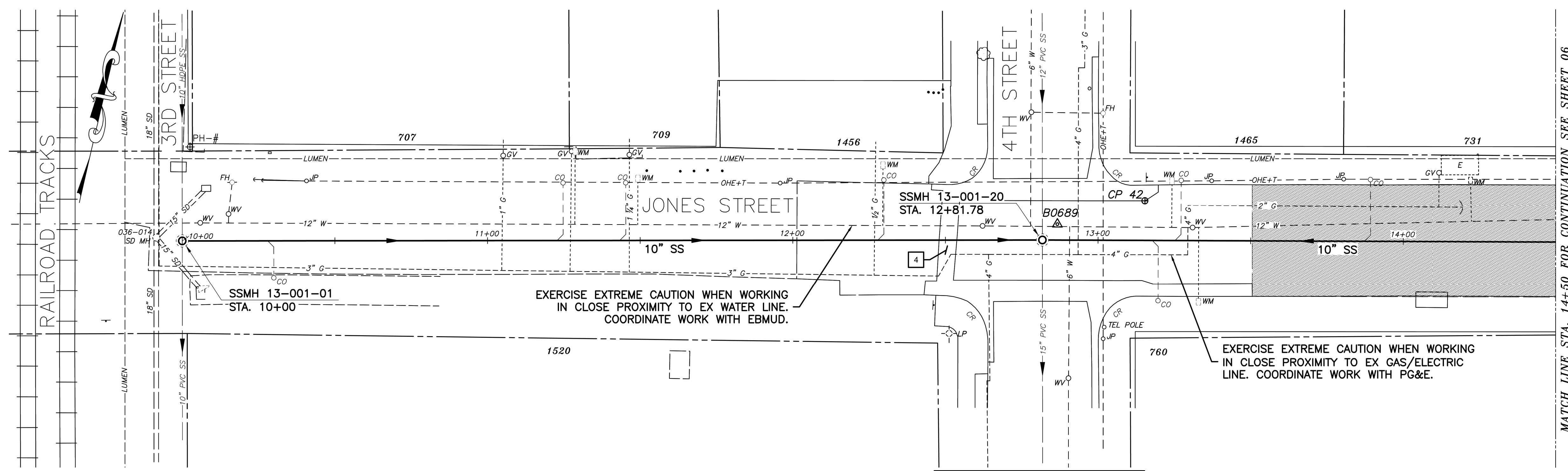
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PROFILE

KEYNOTES

4 RECONSTRUCT PORTIONS OF THE EX VALLEY CUTTER IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8149.



PAVEMENT MORATORIUM LEGEND

PAVEMENT MORATORIUM AREA
JONES STREET (4TH STREET - 6TH STREET)
7/31/2019 THROUGH 7/31/2024

PAVEMENT MORATORIUM NOTES

1. EXCAVATION OR PAVEMENT CUTS WITHIN A DESIGNATED PAVEMENT MORATORIUM AREA SHALL BE RESTORED PER CITY OF BERKELEY STANDARD DETAIL 8136 AS SHOWN IN THE PLANS AND SPECIFICATIONS.

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
 - LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
 - LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
 - ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.

SANITARY SEWER LAYOUT - JONES

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 10+00.00 | 2145951.27 | 6041249.69 | N76°41'38.44"E | 281.78 | MH 13-001-01 |
| 12+81.78 | 2146016.12 | 6041523.91 | N76°59'09.31"E | 168.23 | MH 13-001-20 |
| 14+50 | 2146054.01 | 6041687.81 | --- | --- | MATCH LINE |

PLAN

K:\Projects\2023\230048 Berkeley Sewer Rehab\Drawings\05 Jones Street.dwg [05 C4.0] 12-14-23 01:31:46 PM thodge

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REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT: _____

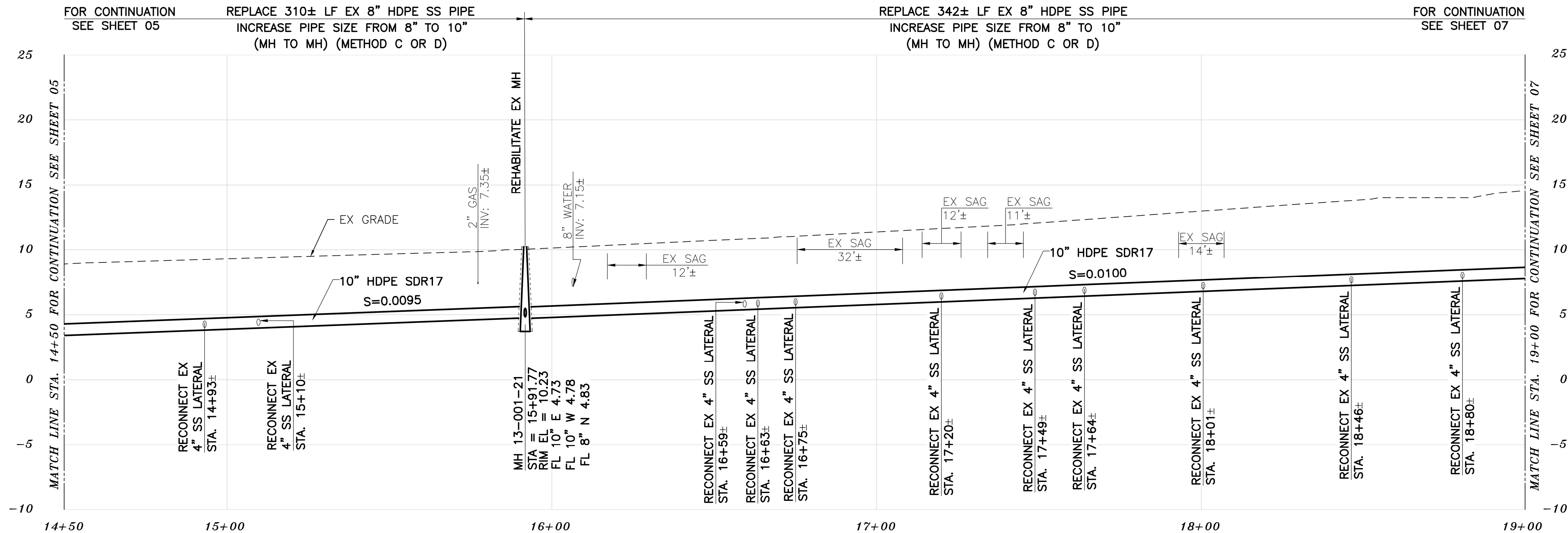
HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

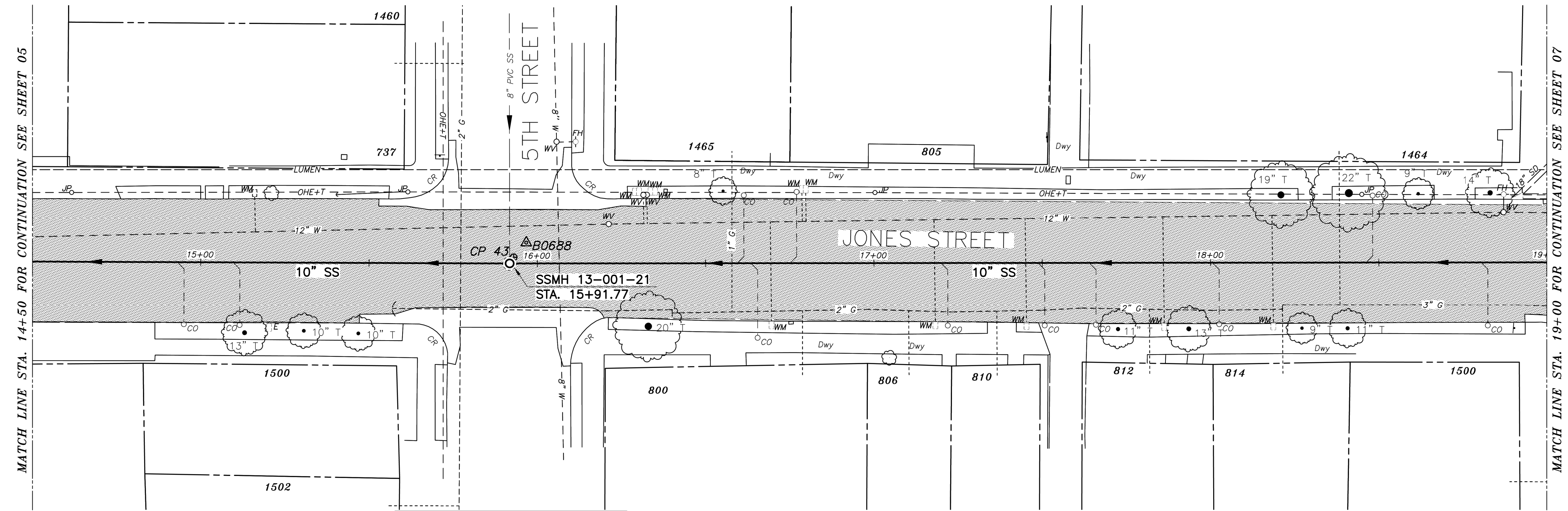
SANITARY SEWER REHABILITATION
JONES STREET
10" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 05 OF 35

APPROVAL
DESCRIPTION
DATE
MARK
REVISION



PROFILE



EXERCISE EXTREME CAUTION IN THE INTERSECTION OF JONES AND 5TH - MANY UTILITY CROSSINGS

PLAN

SANITARY SEWER LAYOUT - JONES

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 14+50 | 2146054.01 | 6041687.81 | N76°59'04.77"E | 141.77 | MATCH LINE |
| 15+91.77 | 2146085.94 | 6041825.94 | N76°41'40.33"E | 308.23 | MH 13-001-21 |
| 19+00 | 2146156.88 | 6042125.89 | --- | --- | MATCH LINE |

PAVEMENT MORATORIUM LEGEND
 PAVEMENT MORATORIUM AREA
 JONES STREET (4TH STREET - 6TH STREET)
 7/31/2019 THROUGH 7/31/2024

PAVEMENT MORATORIUM NOTES
 1. EXCAVATION OR PAVEMENT CUTS WITHIN A DESIGNATED PAVEMENT MORATORIUM AREA SHALL BE RESTORED PER CITY OF BERKELEY STANDARD DETAIL 8136 AS SHOWN IN THE PLANS AND SPECIFICATIONS.

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
 - LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
 - LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
 - ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.

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PROJECT MANAGER: _____ DATE _____
 DEPICTION OF MONUMENTS: _____ DATE _____
 SURVEY PARTY CHIEF _____
 WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
 SUPERVISING CIVIL ENGINEER _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____

DESIGN: MA _____
 DRAWN: JB _____
 CHECK: TH _____
 AS BUILT _____

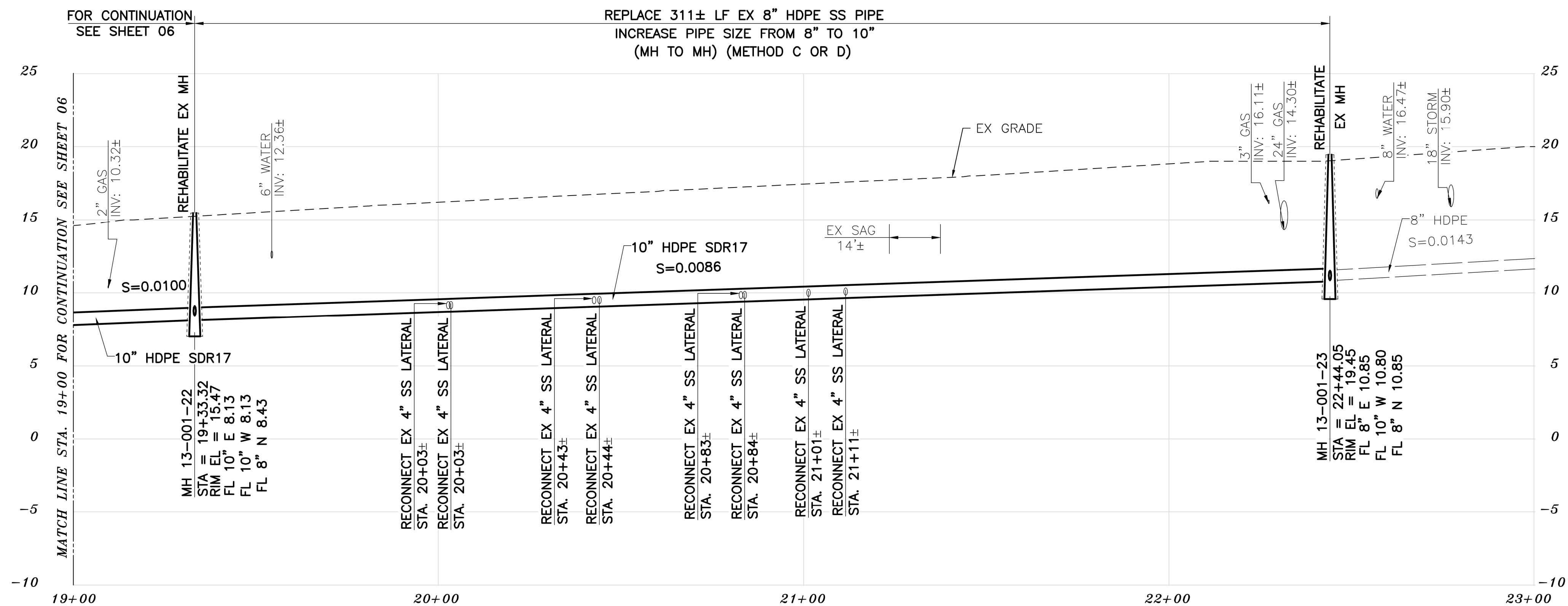
HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK _____
 DATE 12/14/23

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

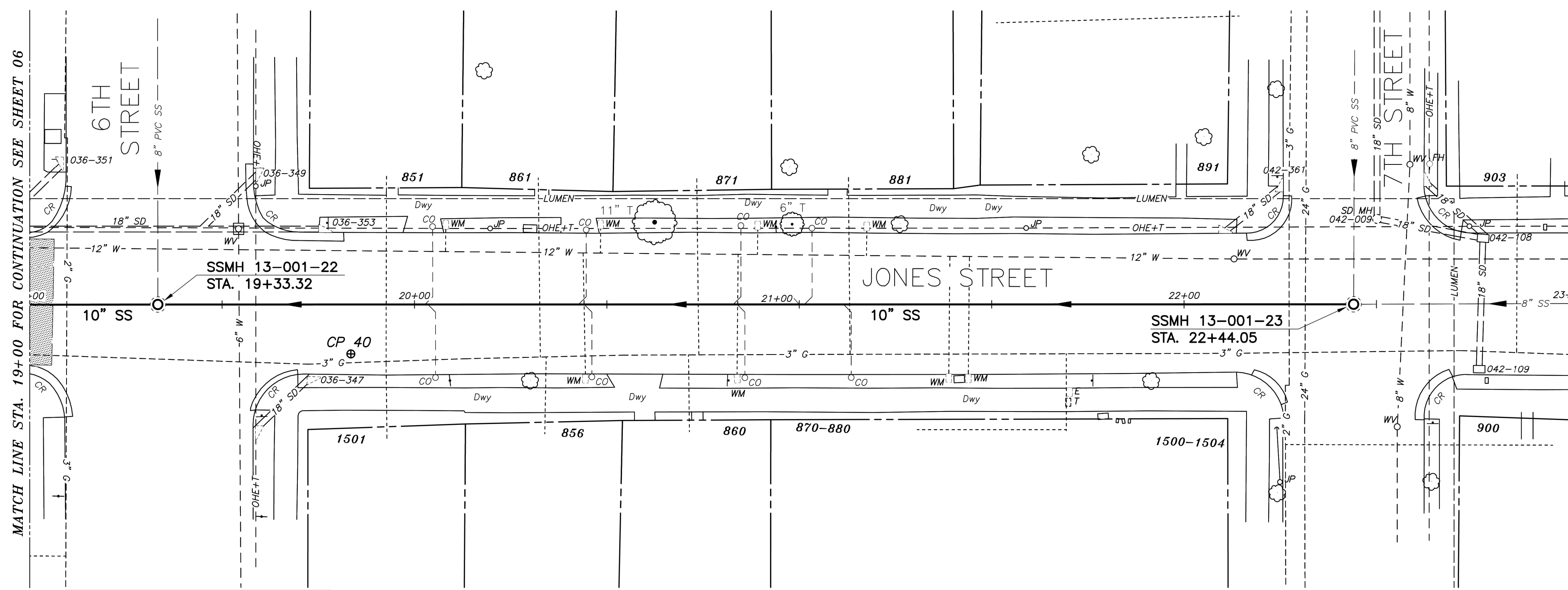
SANITARY SEWER REHABILITATION
 JONES STREET
 10" SS
 PLAN AND PROFILE

PLAN NO.: 8272
 FILE NO.: 502-707
 SHEET 06 OF 35

| APPROVAL | REVISION | MARK | DATE | DESCRIPTION |
|----------|----------|------|------|-------------|
| | | | | |



PROFILE



PLAN

SANITARY SEWER LAYOUT - JONES

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 19+00 | 2146156.88 | 6042125.89 | N76°41'37.26"E | 33.32 | MATCH LINE |
| 19+33.32 | 2146164.55 | 6042158.32 | N76°44'41.64"E | 310.72 | MH 13-001-22 |
| 22+44.05 | 2146235.79 | 6042460.76 | --- | --- | MH 13-001-23 |

PAVEMENT MORATORIUM LEGEND

PAVEMENT MORATORIUM AREA
 JONES STREET (4TH STREET - 6TH STREET)
 7/31/2019 THROUGH 7/31/2024

PAVEMENT MORATORIUM NOTES

1. EXCAVATION OR PAVEMENT CUTS WITHIN A DESIGNATED PAVEMENT MORATORIUM AREA SHALL BE RESTORED PER CITY OF BERKELEY STANDARD DETAIL 8136 AS SHOWN IN THE PLANS AND SPECIFICATIONS.

NOTES:

- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
- LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
- LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
- ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.

K:\Projects\2023\230048 berkeley sewer rehab\03 - plan sheets\05 JONES STREET.dwg [07 C4.2] 12-14-23 10:19:48 AM gjun

FOR CITY USE ONLY
 REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
 SURVEY PARTY CHIEF _____
 WATERSHED REVIEW: _____ DATE _____

DEPICTION OF MONUMENTS: _____ DATE _____
 SUBMITTED: _____ DATE _____
 SUPERVISING CIVIL ENGINEER _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____

DESIGN: MA _____
 DRAWN: JB _____
 CHECK: TH _____
 AS BUILT: _____

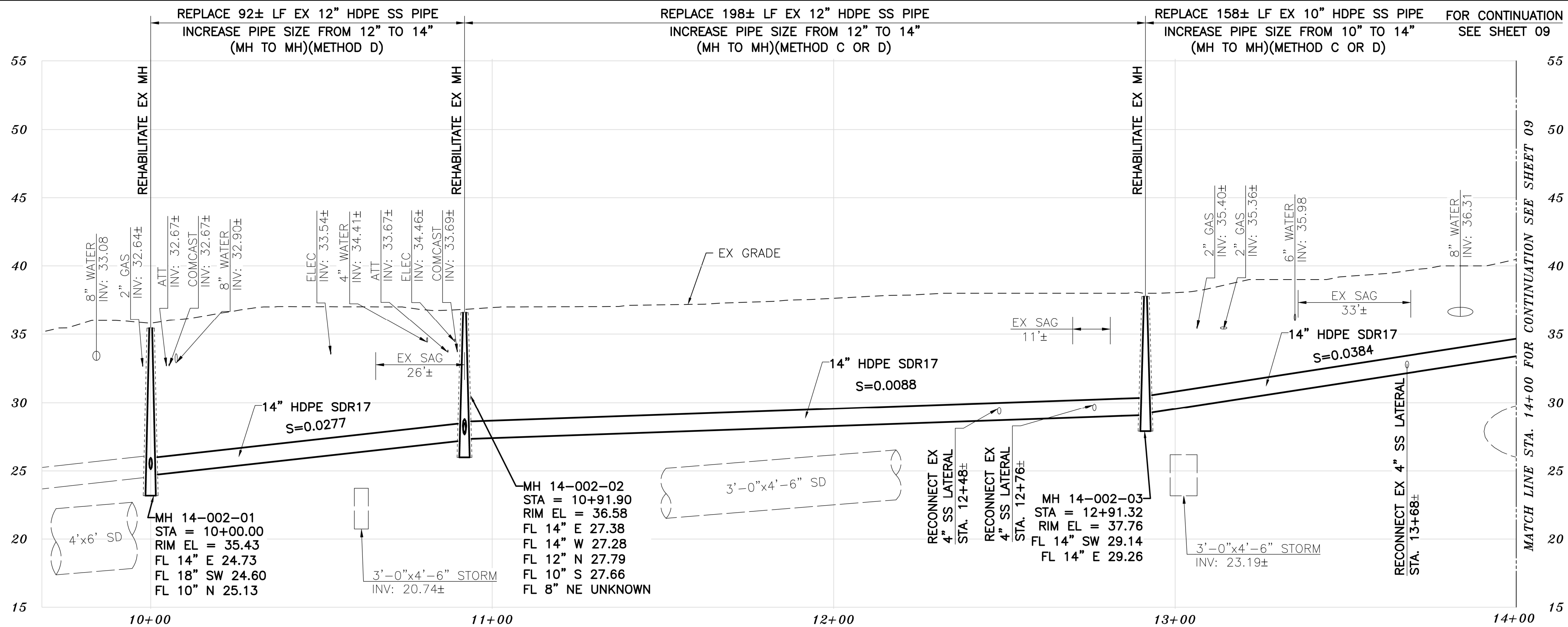
HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK _____
 DATE 12/14/23

CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
 JONES STREET
 10" SS
 PLAN AND PROFILE

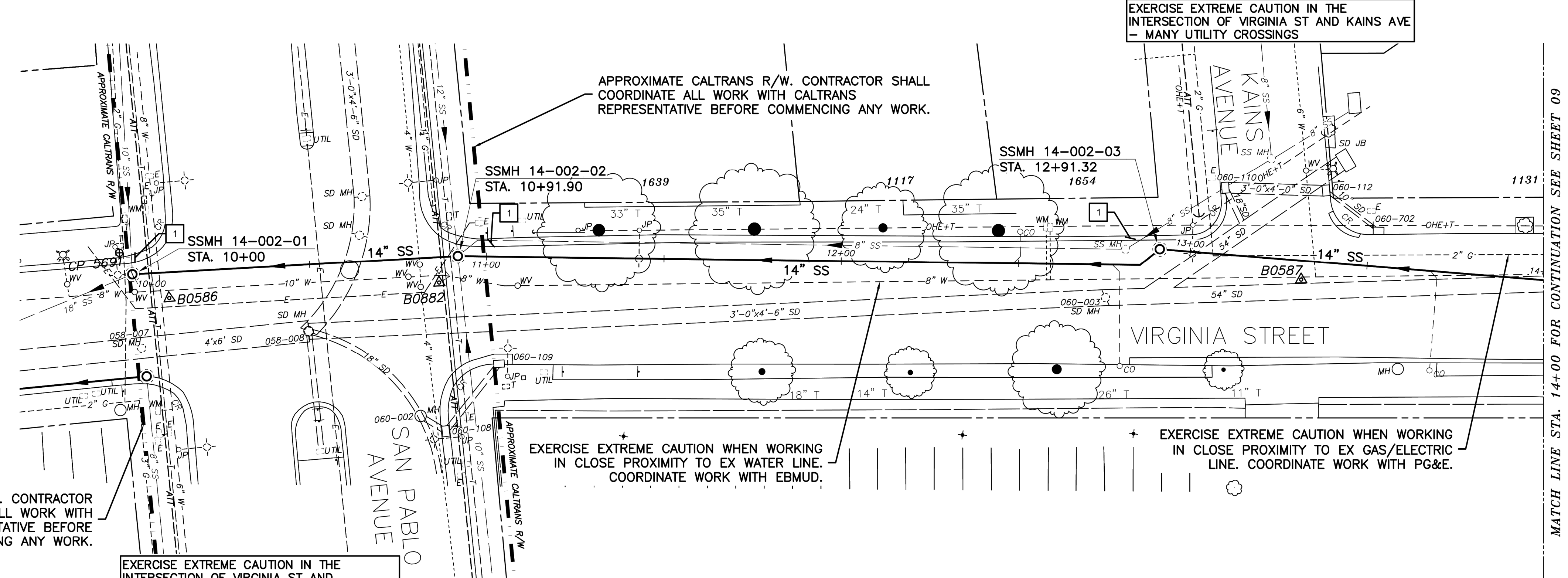
PLAN NO. 8272
 FILE NO. 502-707
 SHEET 07 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
| | | | | |



PROFILE

- KEYNOTES**
- RECONSTRUCT PORTIONS OF THE EX CURB AND GUTTER IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8145.



PLAN

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
 - LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
 - LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
 - ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.
 - APPROXIMATE BART R/W. CONTRACTOR SHALL COORDINATE ALL WORK WITH BART REPRESENTATIVE BEFORE COMMENCING ANY WORK.

SANITARY SEWER LAYOUT - VIRGINIA

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 10+00.00 | 2145468.30 | 6043964.76 | N78°54'10.49"E | 91.92 | MH 14-002-01 |
| 10+91.90 | 2145486.03 | 6044054.94 | N82°53'24.94"E | 192.35 | MH 14-002-02 |
| 12+91.32 | 2145515.02 | 6044250.70 | N86°44'02.99"E | 108.63 | MH 14-002-03 |
| 14+00 | 2145521.21 | 6044359.15 | --- | --- | MATCH LINE |

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FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER

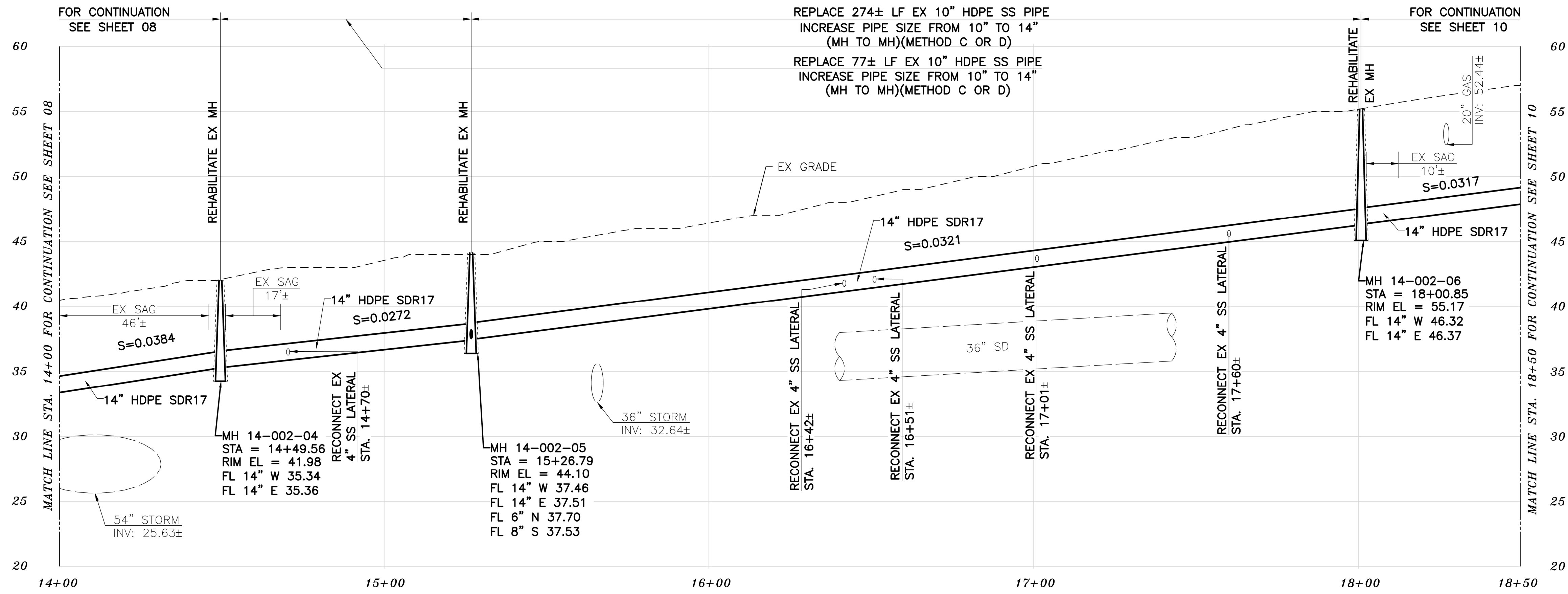
DESIGN: MA
DRAWN: JB
CHECK: TH
AS BUILT: _____
DATE: 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

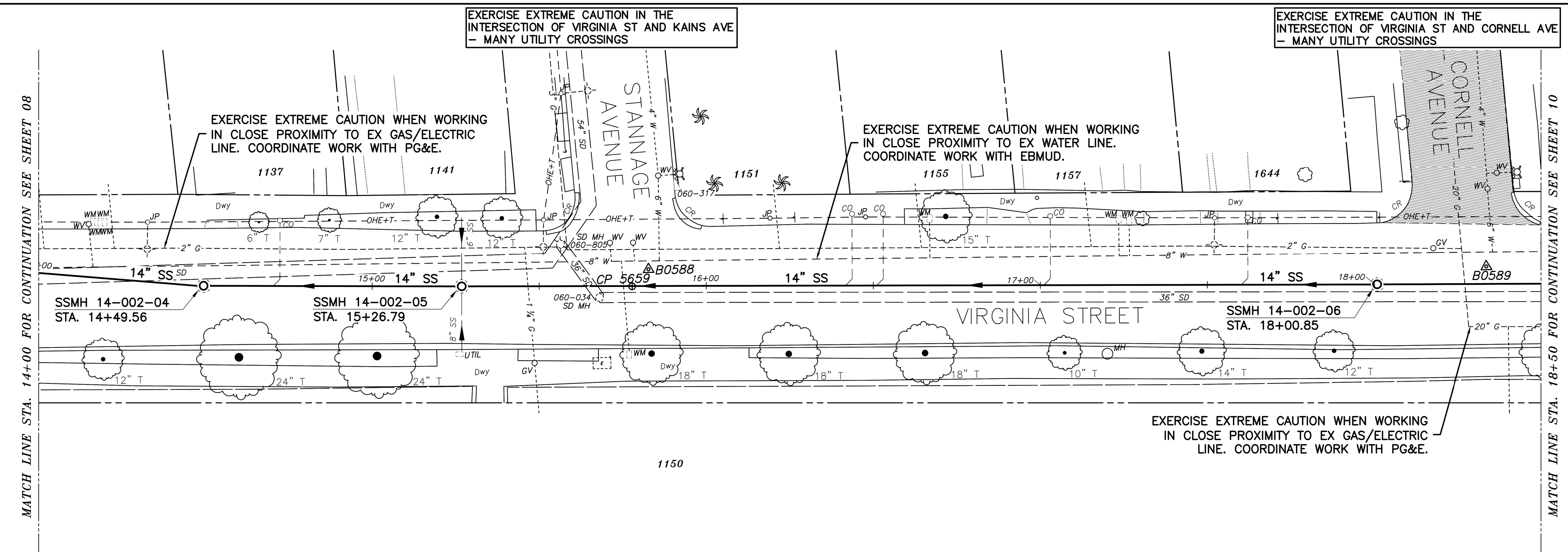
SANITARY SEWER REHABILITATION
VIRGINIA STREET
14" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 08 OF 35

APPROVAL
DESCRIPTION
DATE
MARK
REVISION



PROFILE



SANITARY SEWER LAYOUT - VIRGINIA

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 14+00 | 2145521.21 | 6044359.15 | N86°37'59.20"W | 49.55 | MATCH LINE |
| 14+49.56 | 2145524.12 | 6044408.62 | N82°15'52.81"W | 77.24 | MH 14-002-04 |
| 15+26.79 | 2145534.50 | 6044485.15 | N82°01'07.88"W | 274.05 | MH 14-002-05 |
| 18+00.85 | 2145572.57 | 6044756.55 | N81°53'42.22"W | 49.15 | MH 14-002-06 |
| 18+50 | 2145579.50 | 6044805.21 | --- | --- | MATCH LINE |

PLAN

- PAVEMENT MORATORIUM LEGEND**
- PAVEMENT MORATORIUM AREA
CORNELL AVENUE (HOPKINS STREET - VIRGINIA STREET)
7/31/2019 THROUGH 7/31/2024
- PAVEMENT MORATORIUM NOTES**
- EXCAVATION OR PAVEMENT CUTS WITHIN A DESIGNATED PAVEMENT MORATORIUM AREA SHALL BE RESTORED PER CITY OF BERKELEY STANDARD DETAIL 8136 AS SHOWN IN THE PLANS AND SPECIFICATIONS.

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
 - LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
 - LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
 - RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
 - IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
 - ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.

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FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

DEPICTION OF MONUMENTS: _____ DATE _____
CITY ENGINEER _____

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____

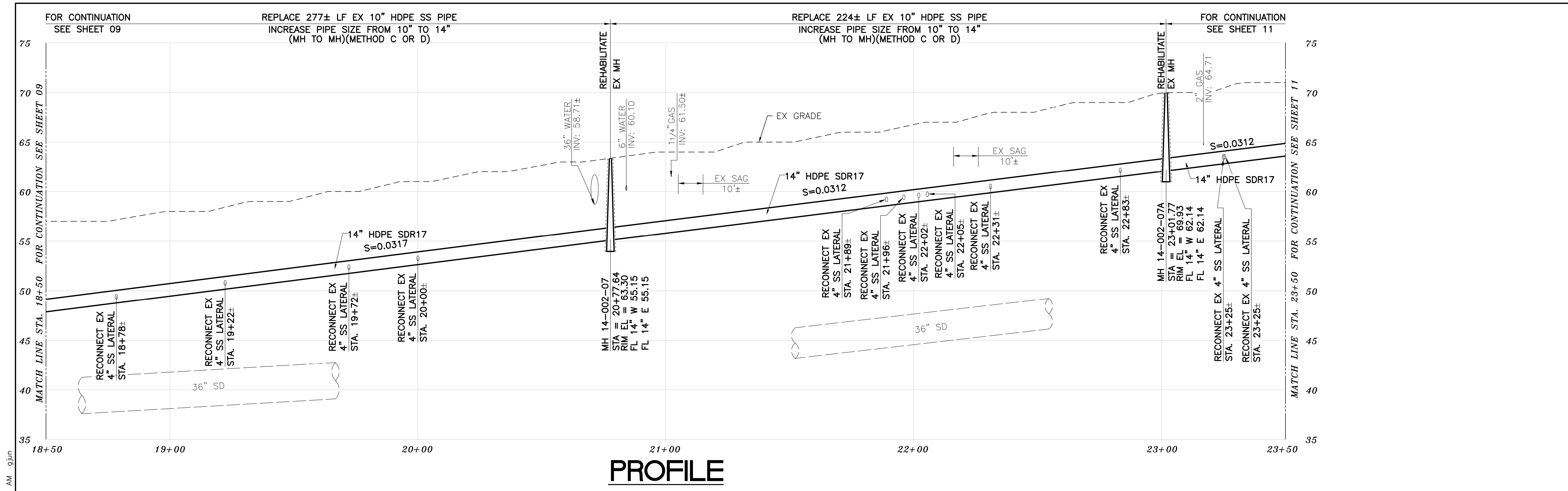
DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

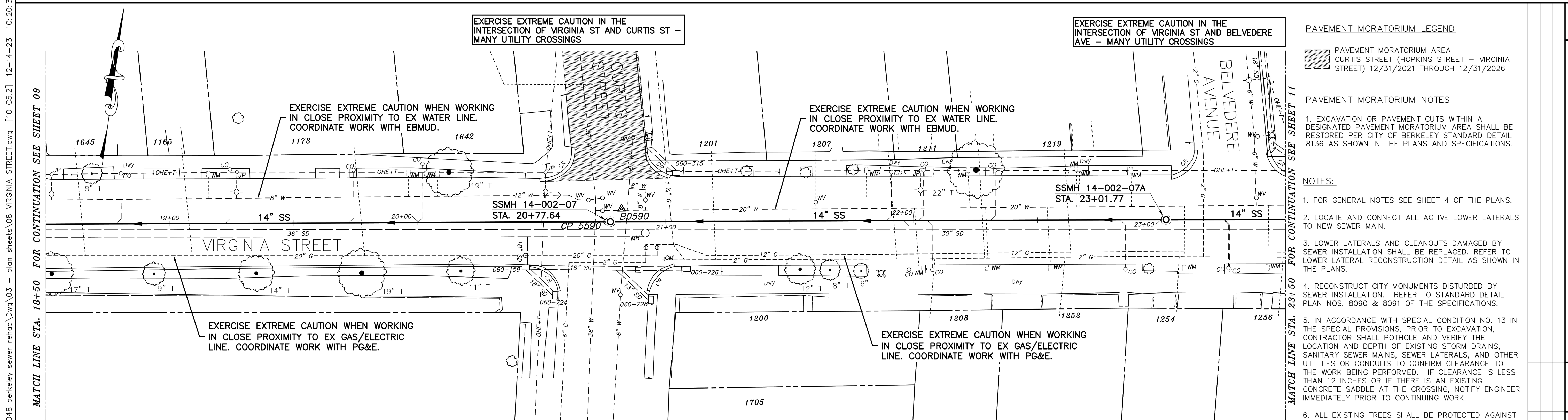
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
VIRGINIA STREET
14" SS
PLAN AND PROFILE

PLAN NO. 8272
FILE NO. 502-707
SHEET 09 OF 35



PROFILE



PLAN

SANITARY SEWER LAYOUT - VIRGINIA

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|---------------|
| 18+50 | 2145579.50 | 6044805.21 | N81°53'42.14"E | 227.65 | MATCH LINE |
| 20+77.64 | 2145611.59 | 6045030.58 | N81°56'05.12"E | 224.13 | MH 14-002-07 |
| 23+01.77 | 2145643.04 | 6045252.49 | N82°01'18.98"E | 48.23 | MH 14-002-07A |
| 23+50 | 2145649.73 | 6045300.25 | --- | --- | MATCH LINE |

PAVEMENT MORATORIUM LEGEND
 PAVEMENT MORATORIUM AREA
 CURTIS STREET (HOPKINS STREET - VIRGINIA STREET) 12/31/2021 THROUGH 12/31/2026

PAVEMENT MORATORIUM NOTES
 1. EXCAVATION OR PAVEMENT CUTS WITHIN A DESIGNATED PAVEMENT MORATORIUM AREA SHALL BE RESTORED PER CITY OF BERKELEY STANDARD DETAIL 8136 AS SHOWN IN THE PLANS AND SPECIFICATIONS.

NOTES:
 1. FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
 2. LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
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FOR CITY USE ONLY
 REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
 SURVEY PARTY CHIEF _____ DATE _____
 WATERSHED REVIEW: _____ DATE _____
 FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

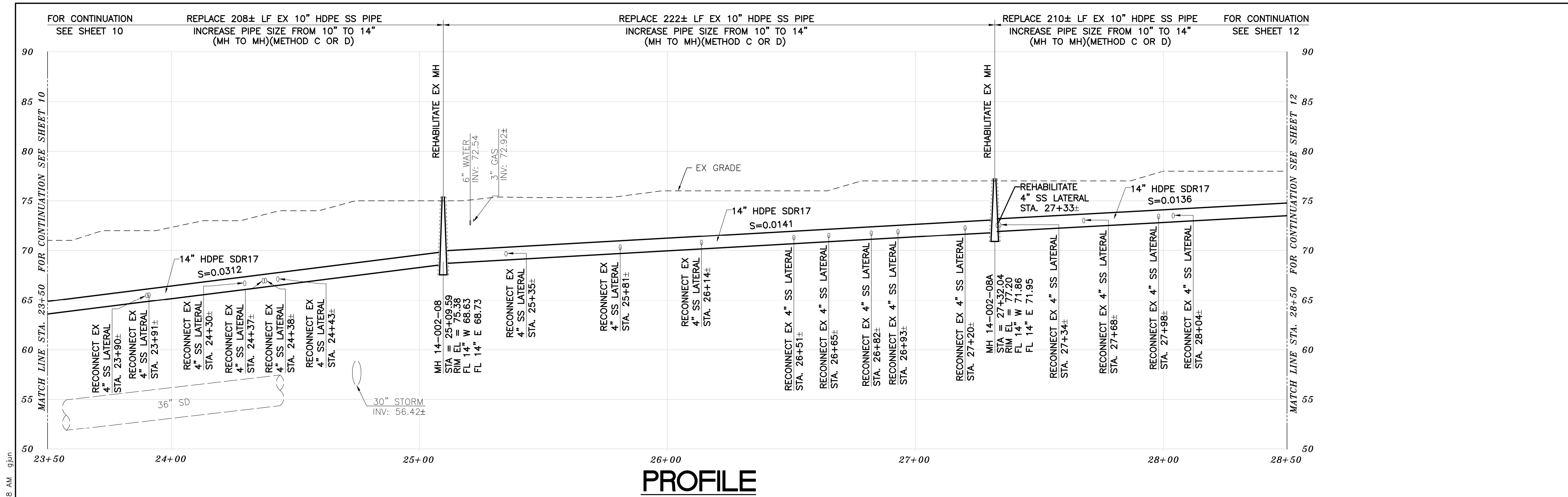
DEPICTION OF MONUMENTS: _____ DATE _____
 SUBMITTED: _____ DATE _____
 SUPERVISING CIVIL ENGINEER _____
 APPROVED: _____ DATE _____
 CITY ENGINEER _____

DESIGN: MA _____
 DRAWN: JB _____
 CHECK: TH _____
 AS BUILT _____
 HORIZ. 1"=20'
 VERT. 1"=5'
 BOOK _____
 DATE 12/14/23

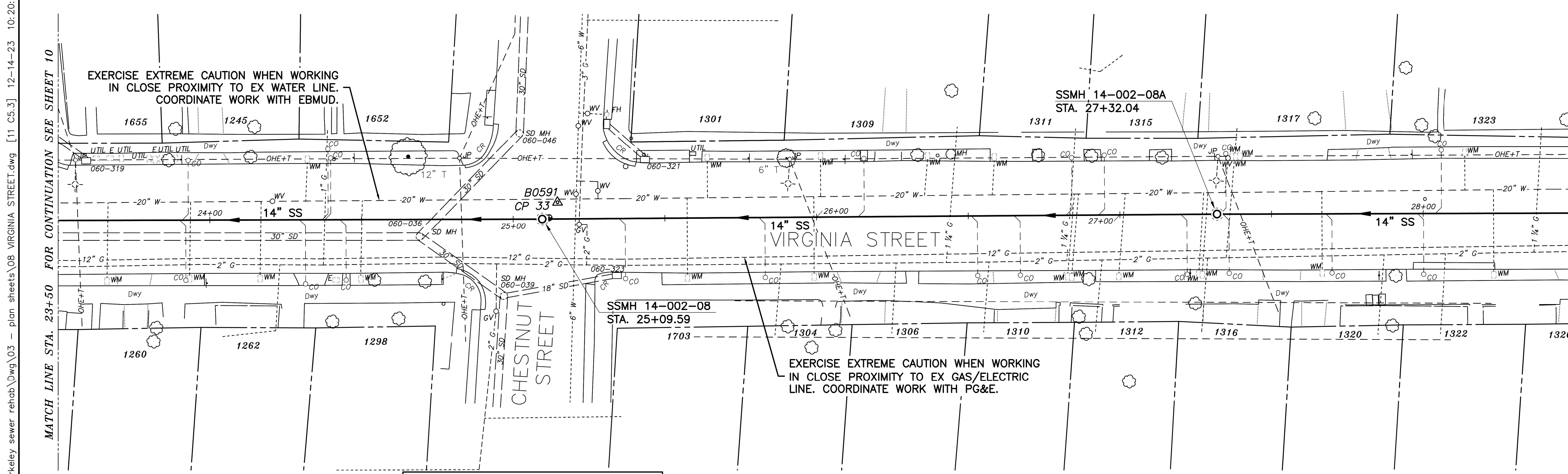
CITY OF BERKELEY
 DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
VIRGINIA STREET
14" SS
 PLAN AND PROFILE

PLAN NO.: 8272
 SHEET NO.: 502-707
 SHEET 10 OF 35



PROFILE



PLAN

NOTES:

- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
- LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
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SANITARY SEWER LAYOUT - VIRGINIA

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|---------------|
| 23+50 | 2145649.73 | 6045300.25 | N81°59'09.46"E | 159.59 | MATCH LINE |
| 25+09.59 | 2145671.98 | 6045458.29 | N81°43'04.28"E | 222.45 | MH 14-002-08 |
| 27+32.04 | 2145704.02 | 6045678.42 | N81°57'20.09"E | 117.97 | MH 14-002-08A |
| 28+50 | 2145720.52 | 6045795.28 | --- | --- | MATCH LINE |

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REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT _____

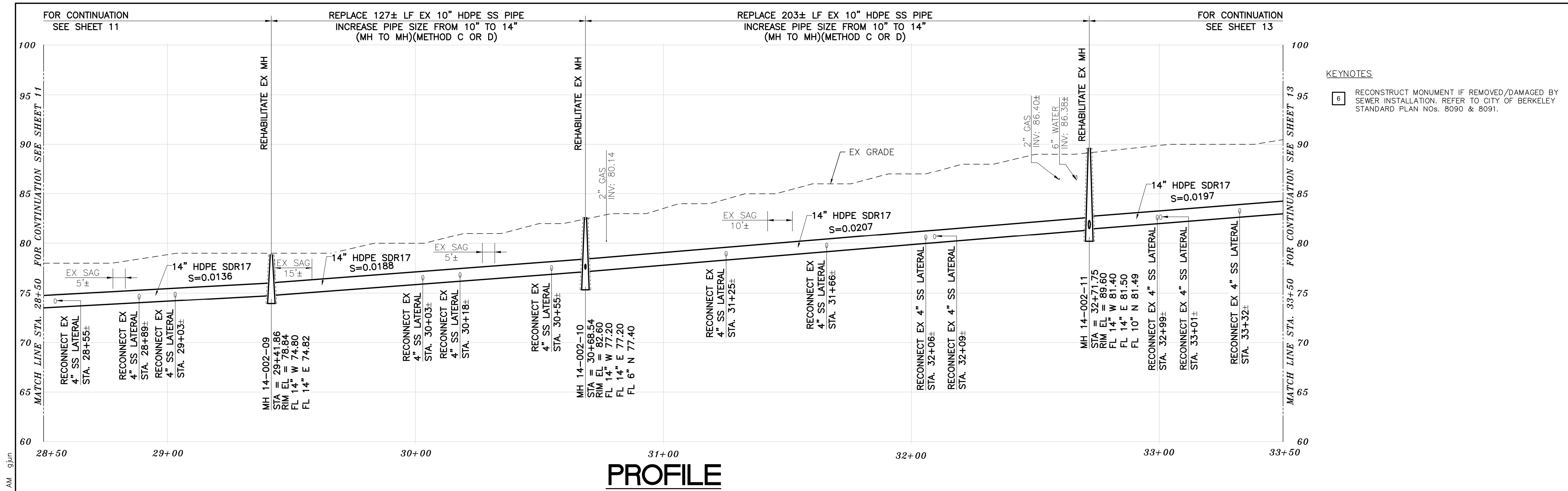
HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

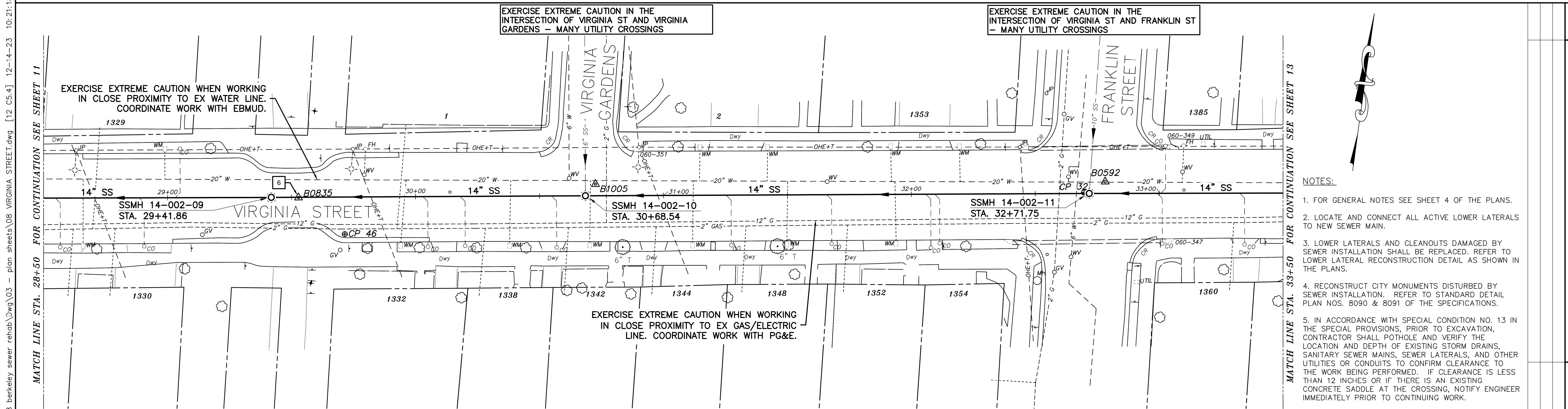
SANITARY SEWER REHABILITATION
VIRGINIA STREET
14" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 11 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
| | | | | |



PROFILE



SANITARY SEWER LAYOUT - VIRGINIA

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 28+50 | 2145720.52 | 6045795.28 | N81°58'01.84"E | 91.79 | MATCH LINE |
| 29+41.86 | 2145733.34 | 6045886.17 | N81°50'55.88"E | 126.69 | MH 14-002-09 |
| 30+68.54 | 2145751.31 | 6046011.58 | N81°52'40.77"E | 203.21 | MH 14-002-10 |
| 32+71.75 | 2145780.02 | 6046212.75 | N82°01'21.78"E | 78.25 | MH 14-002-11 |
| 33+50 | 2145790.88 | 6046290.24 | --- | --- | MATCH LINE |

PLAN

- KEYNOTES**
- 6 RECONSTRUCT MONUMENT IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NOS. 8090 & 8091.

- NOTES:**
- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
 - LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
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REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER _____

DESIGN: MA
DRAWN: JB
CHECK: TH
AS BUILT: _____
DATE: 12/14/23

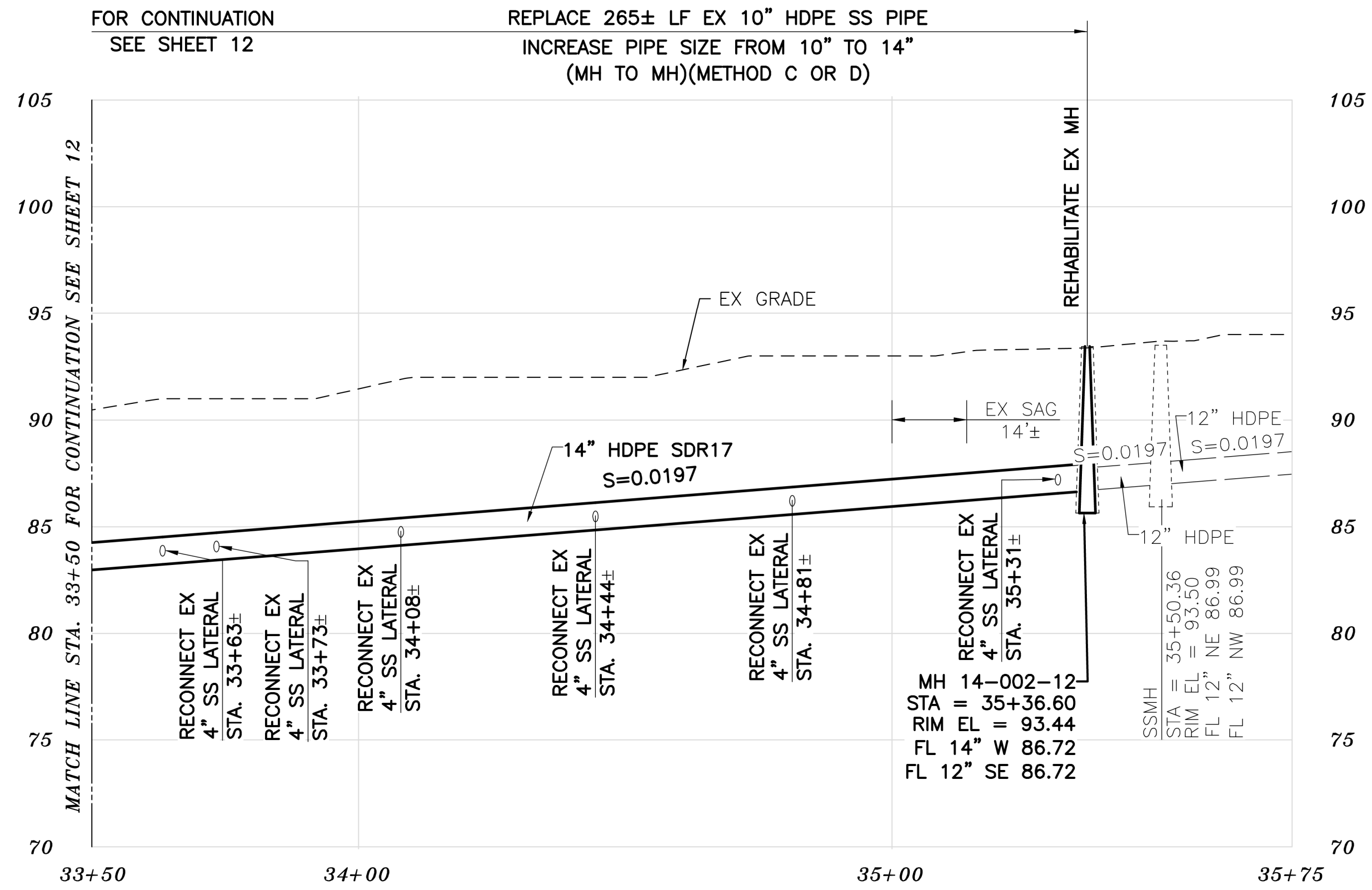
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
VIRGINIA STREET
14" SS
PLAN AND PROFILE

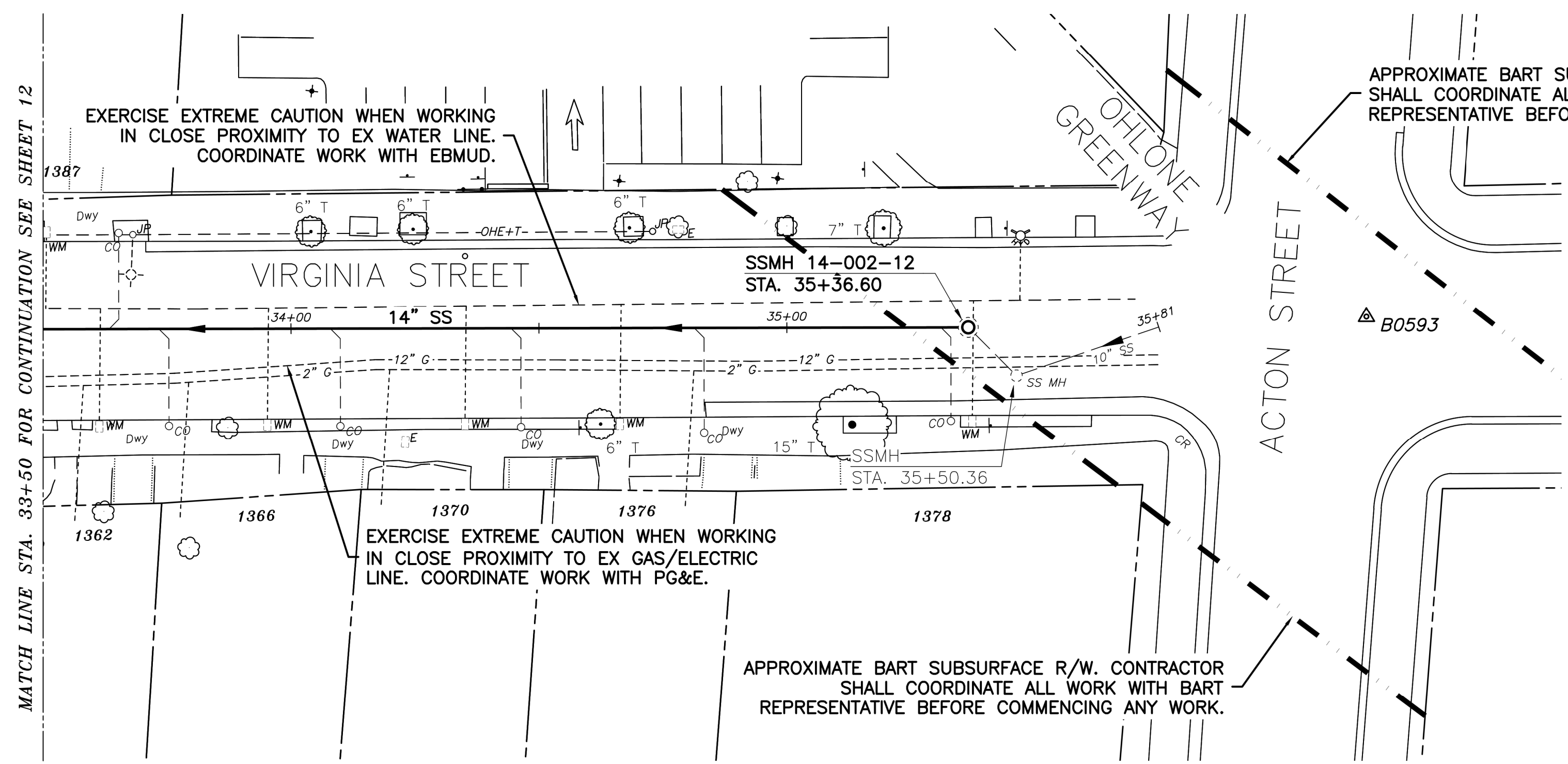
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 12 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
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PROFILE



PLAN

NOTES:

1. FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
2. LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
3. LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
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SANITARY SEWER LAYOUT - VIRGINIA

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 33+50.00 | 2145790.88 | 6046290.24 | S82°01'21.78"E | 186.60 | MATCH LINE |
| 35+36.60 | 2145816.77 | 6046475.04 | --- | --- | MH 14-002-12 |

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REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER _____

DESIGN: MA
DRAWN: JB
CHECK: TH
AS BUILT: _____
HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

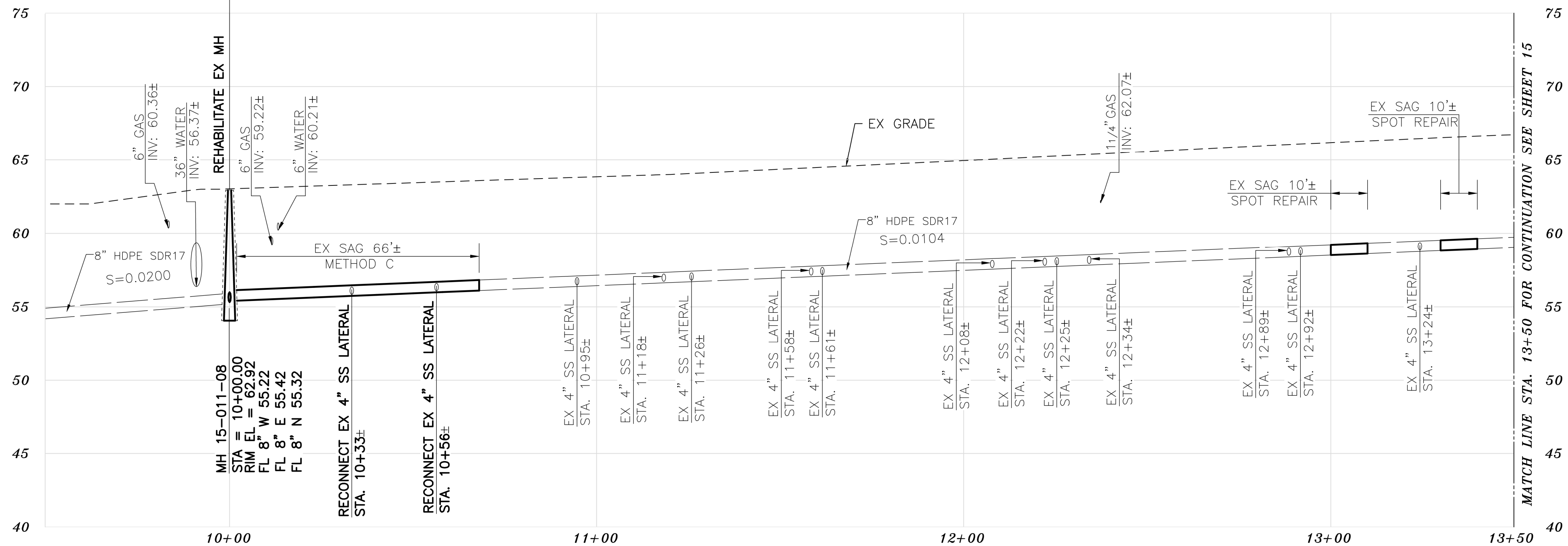
SANITARY SEWER REHABILITATION
VIRGINIA STREET
14" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 13 OF 35

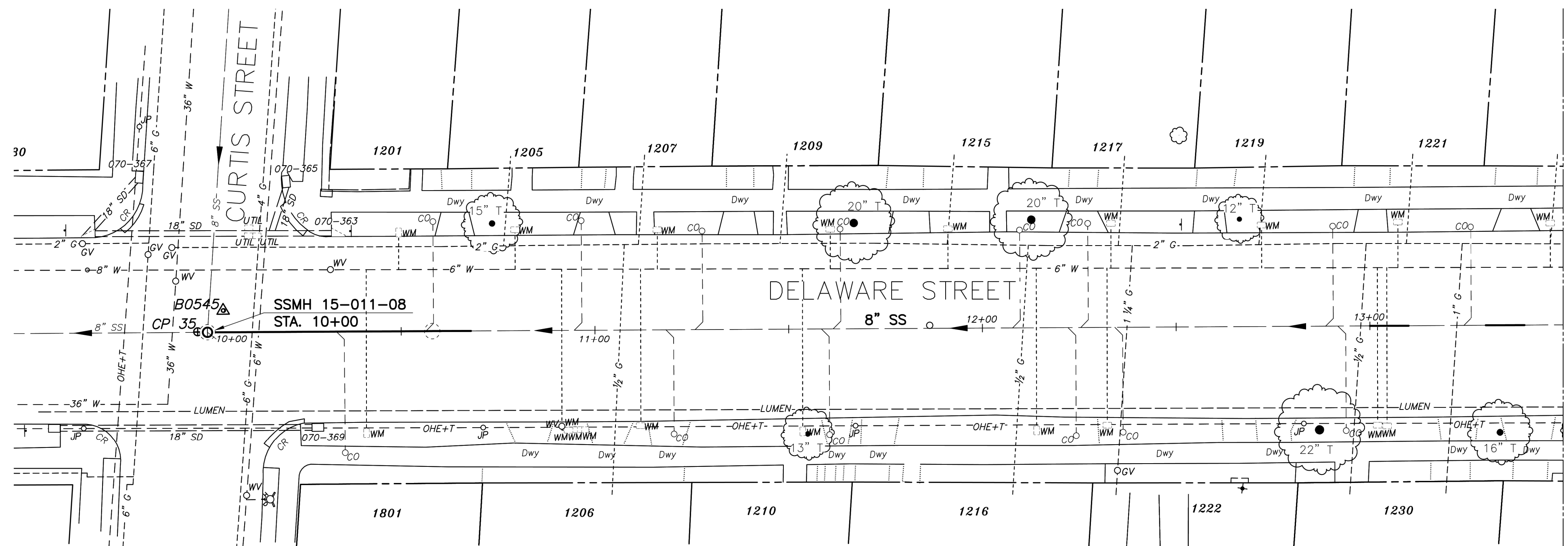
| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
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REPAIR SAGS ALONG EX 8" HDPE SS PIPE

FOR CONTINUATION
SEE SHEET 15



PROFILE



PLAN

NOTES:

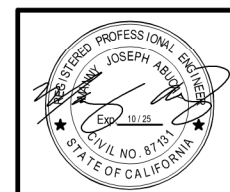
- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
- LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
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- ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.

SANITARY SEWER LAYOUT - DELAWARE

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|---------|------------|------------|----------------|----------|--------------|
| 10+00 | 2144950.48 | 6045078.09 | N81°50'39.50"E | 350.00 | MH 15-011-08 |
| 13+50 | 2145000.13 | 6045424.53 | --- | --- | MATCH LINE |

K:\Projects\2023\230048 berkeley sewer rehab.dwg\03 - plan sheets\14 DELAWARE STREET.dwg [14 C6.0] 12-14-23 10:22:08 AM gjun

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER _____

DESIGN: MA
DRAWN: JB
CHECK: TH
AS BUILT: _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

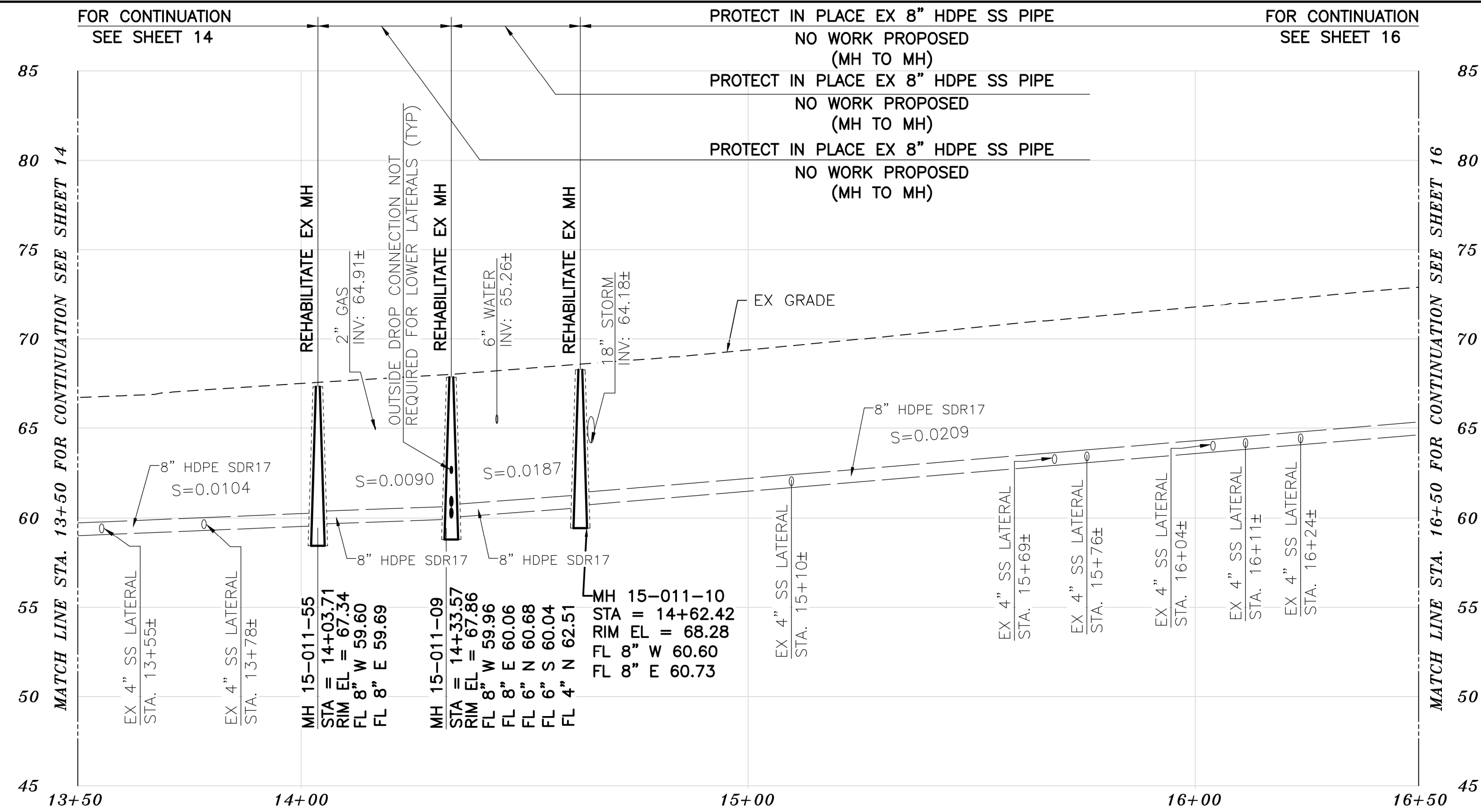
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
DELAWARE STREET
8" SS
PLAN AND PROFILE

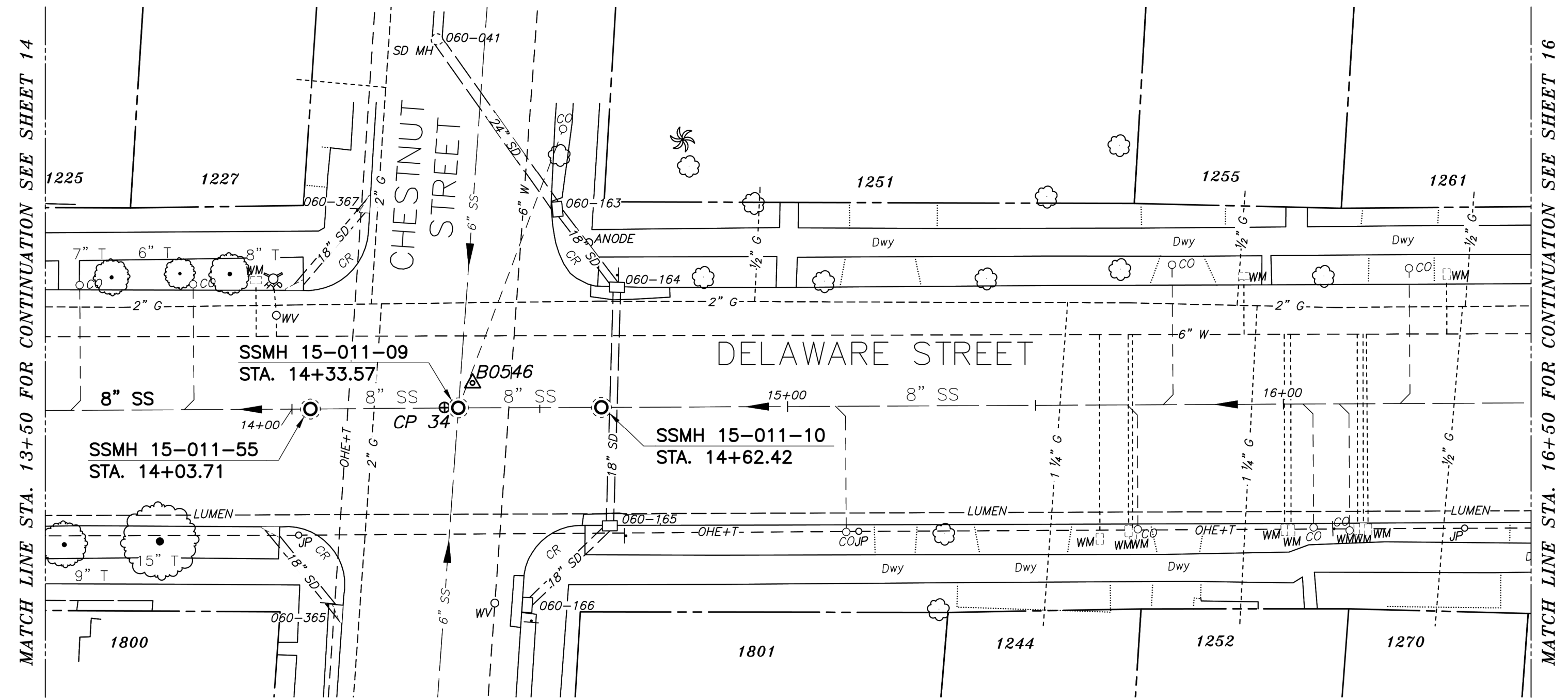
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 14 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
| | | | | |

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PROFILE



PLAN

SANITARY SEWER LAYOUT - DELAWARE

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|-------------|----------------|----------|--------------|
| 13+50 | 2145000.13 | 6045424.53 | N81°56'09.59"E | 53.46 | MATCH LINE |
| 14+03.71 | 2145007.75 | 6045477.71 | N81°42'28.44"E | 29.86 | MH 15-011-55 |
| 14+33.57 | 2145012.06 | 6045507.26 | N81°59'03.15"E | 28.85 | MH 15-011-09 |
| 14+62.42 | 2145016.08 | 60455365.83 | N81°53'07.34"E | 187.58 | MH 15-011-10 |
| 16+50 | 2145042.56 | 6045721.53 | --- | --- | MATCH LINE |

- NOTES:**
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FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER

DESIGN: MA
DRAWN: JB
CHECK: TH
AS BUILT: _____
DATE: 12/14/23

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

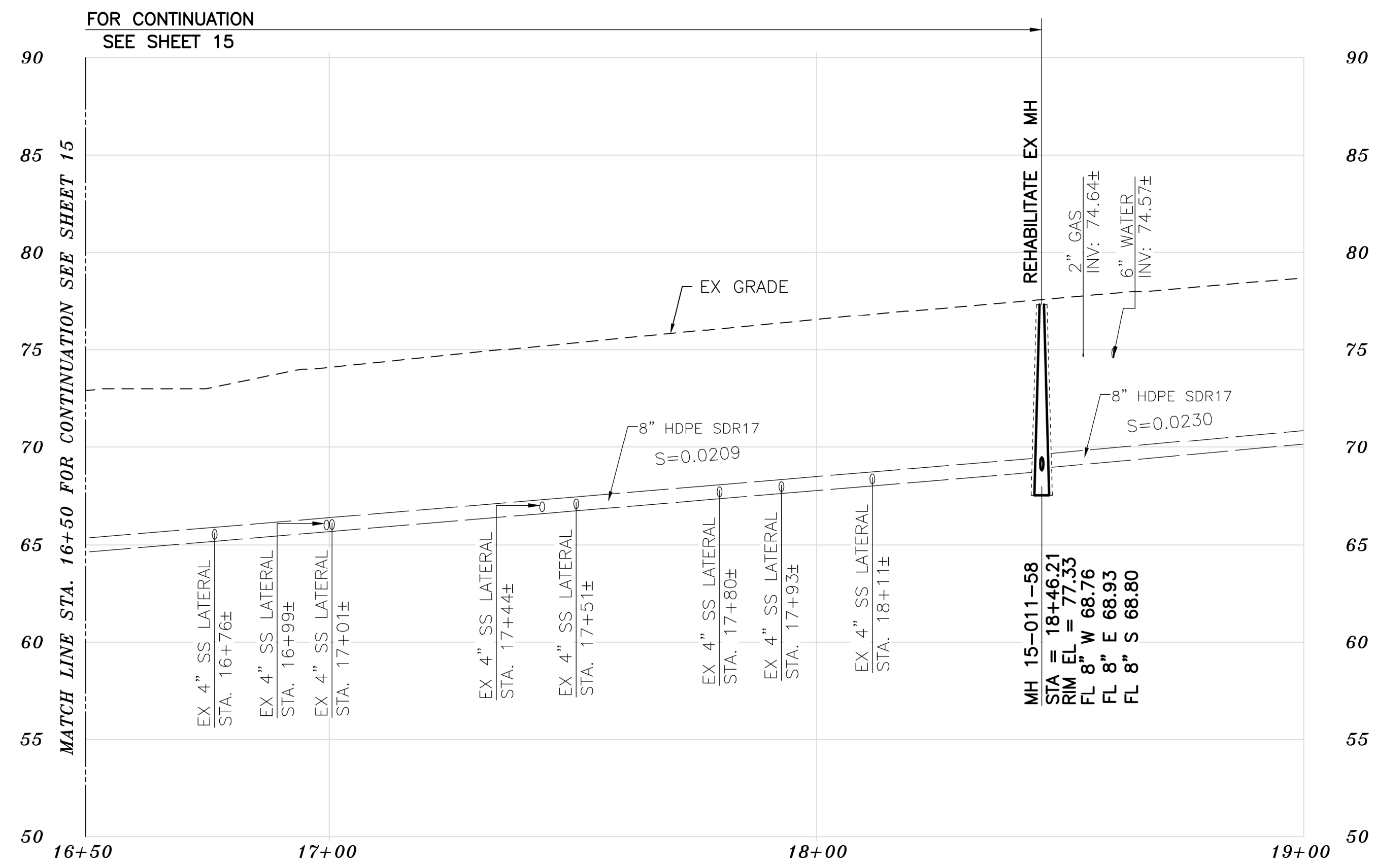
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
DELAWARE STREET
8" SS
PLAN AND PROFILE

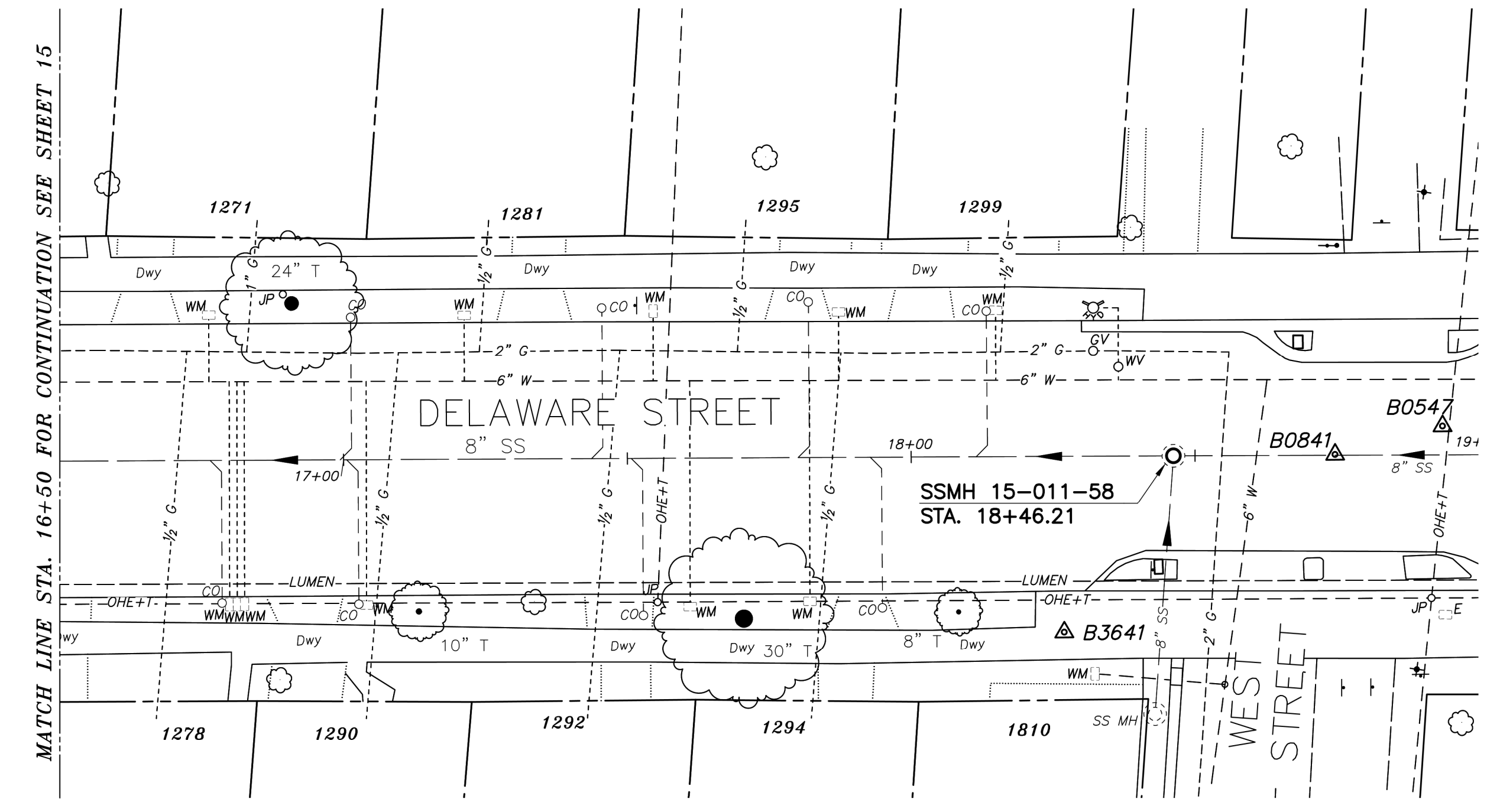
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 15 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
| | | | | |

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PROFILE



PLAN

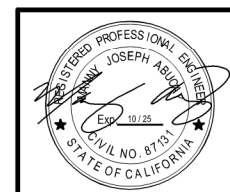
NOTES:

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SANITARY SEWER LAYOUT - DELAWARE

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 16+50 | 2145042.56 | 6045721.53 | N81°53'07.34"E | 196.21 | MATCH LINE |
| 18+46.21 | 2145070.25 | 6045915.77 | N82°03'49.33"E | --- | MH 15-011-58 |

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REFERENCE SEWER MAP NO.



Bellecci
Intelligent Infrastructure
925 - 685 - 4569
bellecci.com

PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER

DESIGN MA _____
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AS BUILT _____

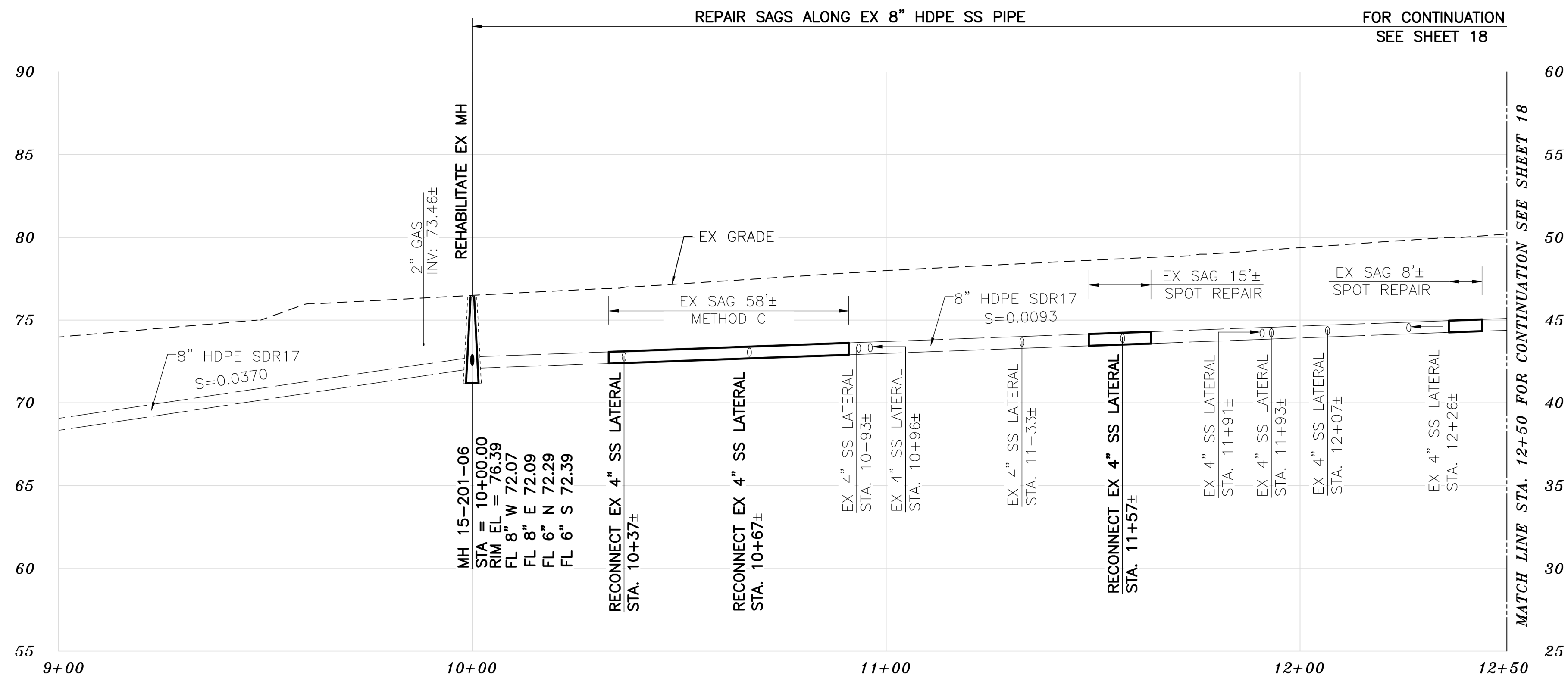
HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

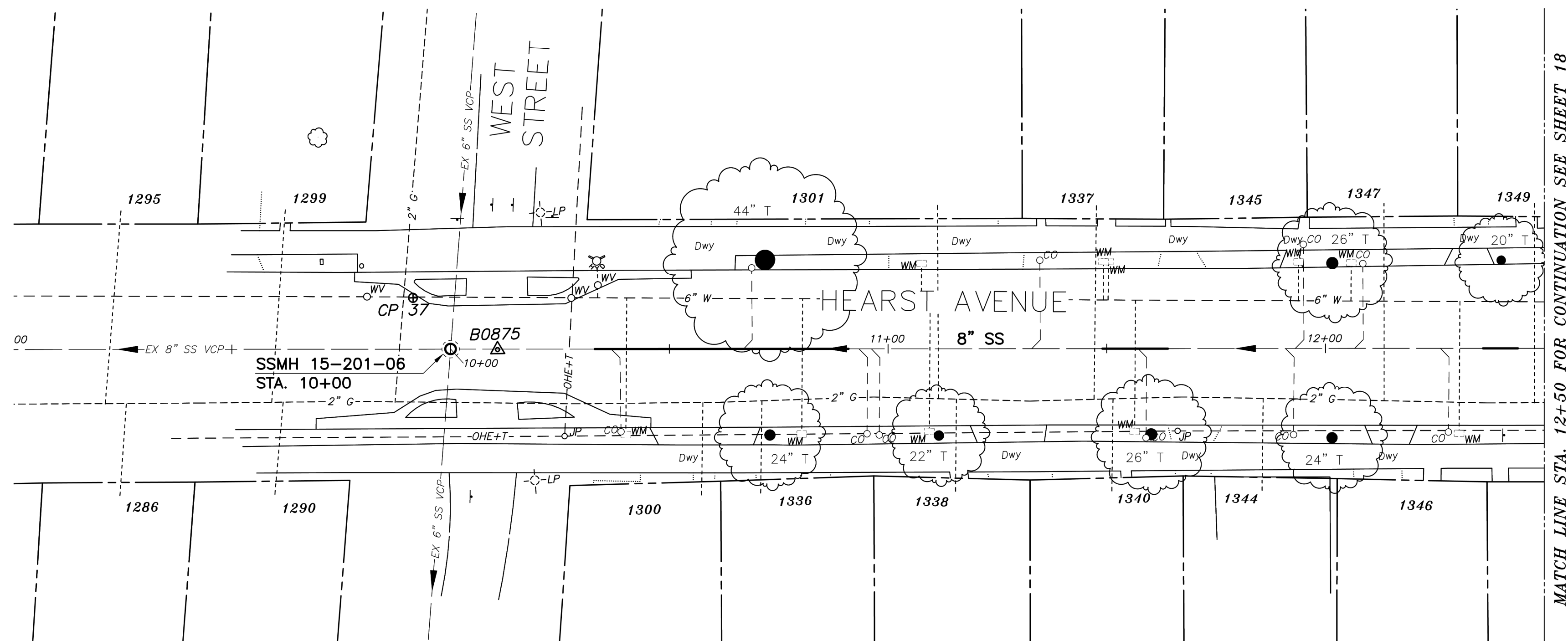
SANITARY SEWER REHABILITATION
DELAWARE STREET
8" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 16 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
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PROFILE



PLAN

SANITARY SEWER LAYOUT - HEARST

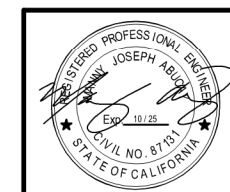
| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 10+00.00 | 2144648.79 | 6045963.40 | N82°02'00.56"E | 250.00 | MH 15-201-06 |
| 12+50 | 2144683.44 | 6046210.99 | --- | --- | MATCH LINE |

NOTES:

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REFERENCE SEWER MAP NO.



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Intelligent Infrastructure
925-685-4569
bellecci.com

PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT: _____

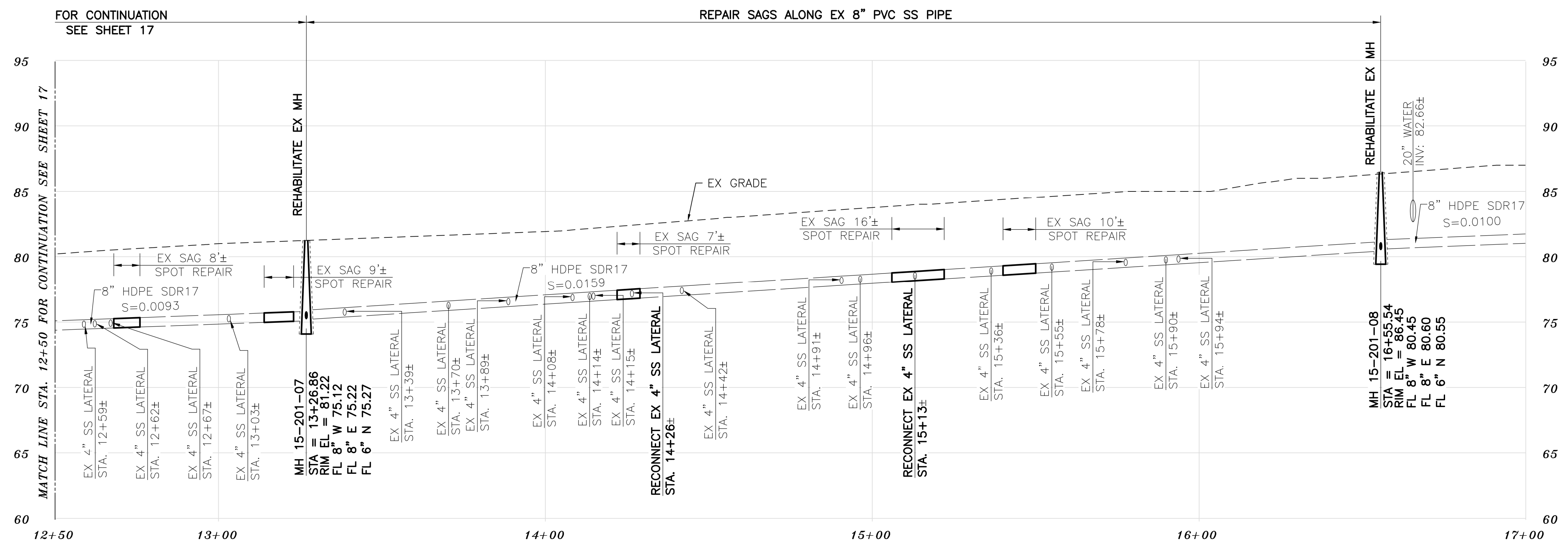
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VERT. 1"=5'
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

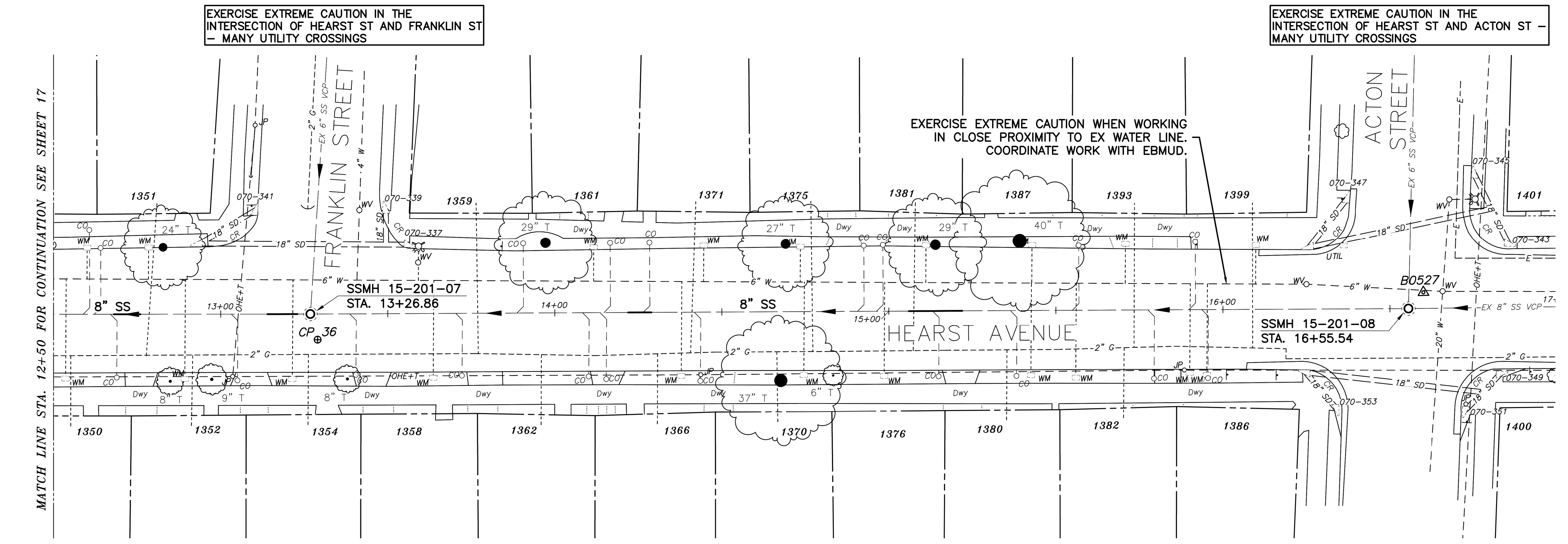
SANITARY SEWER REHABILITATION
HEARST AVENUE
8" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 17 OF 35

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|-------------|
| APPROVAL |
| DESCRIPTION |
| DATE |
| MARK |
| REVISION |



PROFILE



SANITARY SEWER LAYOUT - HEARST

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 12+50 | 2144683.44 | 6046210.99 | N82°02'00.56"E | 75.85 | MATCH LINE |
| 13+26.86 | 2144694.09 | 6046287.10 | N81°47'33.23"E | 328.68 | MH 15-201-07 |
| 16+55.54 | 2144741.01 | 6046611.42 | --- | --- | MH 15-201-08 |

NOTES:

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PLAN

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REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER

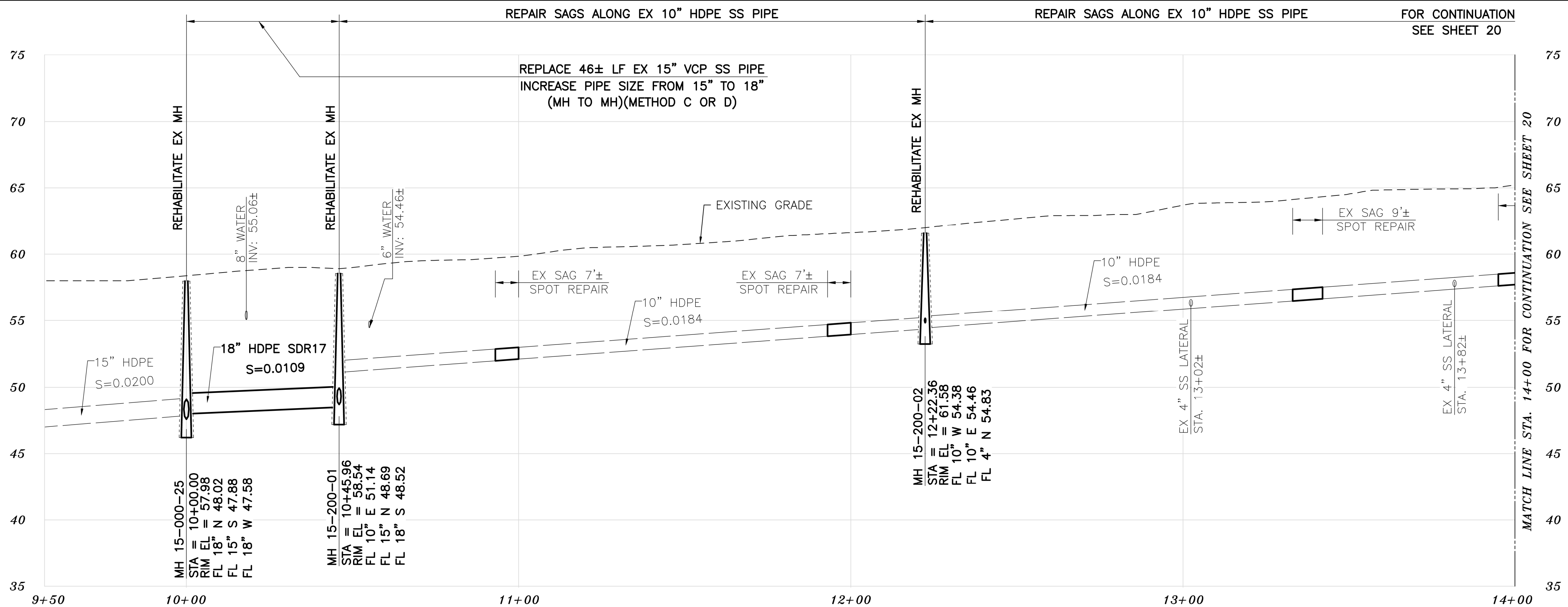
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DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

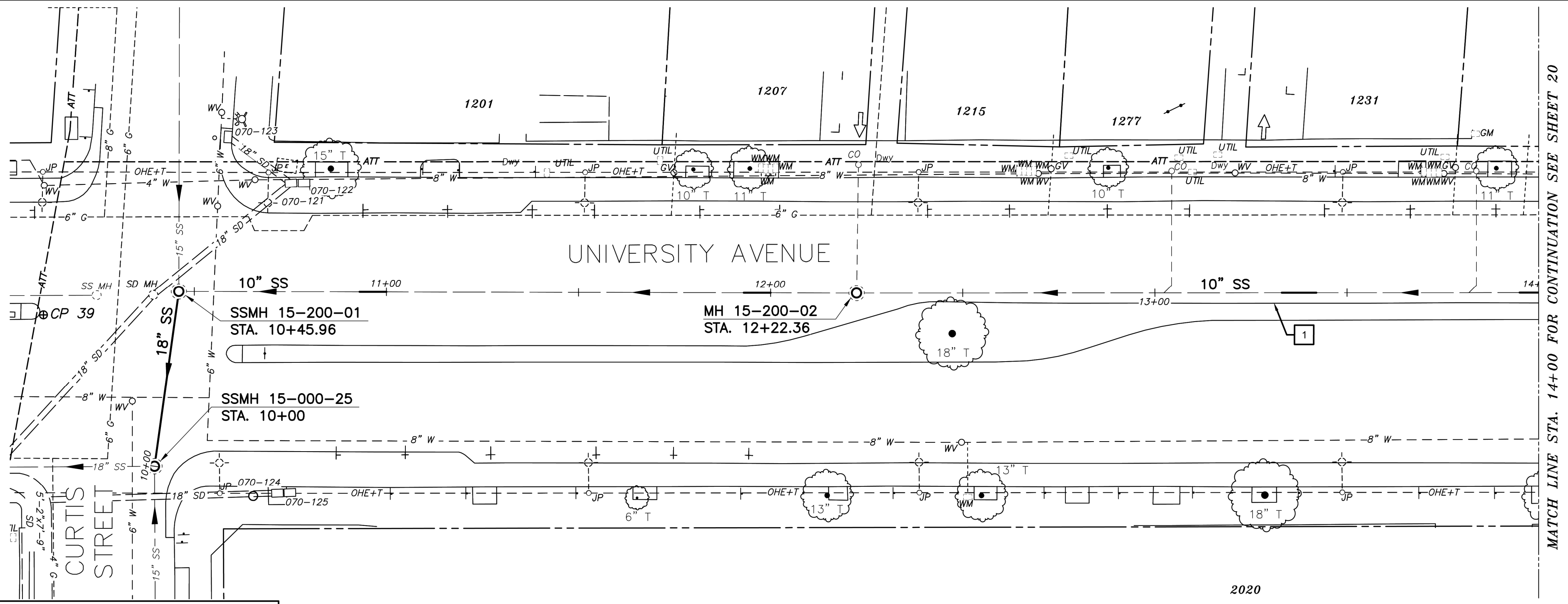
SANITARY SEWER REHABILITATION
HEARST AVENUE
8" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 18 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
| | | | | |



PROFILE



PLAN

SANITARY SEWER LAYOUT - UNIVERSITY

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 10+00.00 | 2143951.00 | 6045151.68 | N0°08'28.90"W | 45.97 | MH 15-000-25 |
| 10+45.96 | 2143996.97 | 6045151.56 | N82°04'15.75"E | 176.40 | MH 15-200-01 |
| 12+22.36 | 2144021.30 | 6045326.28 | N81°53'51.14"E | 177.63 | MH 15-200-02 |
| 14+00.00 | 2144046.34 | 6045502.14 | --- | --- | MATCH LINE |

- KEYNOTES**
- RECONSTRUCT PORTIONS OF THE EX CURB AND GUTTER IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8145.

- NOTES:**
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FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
CITY ENGINEER _____

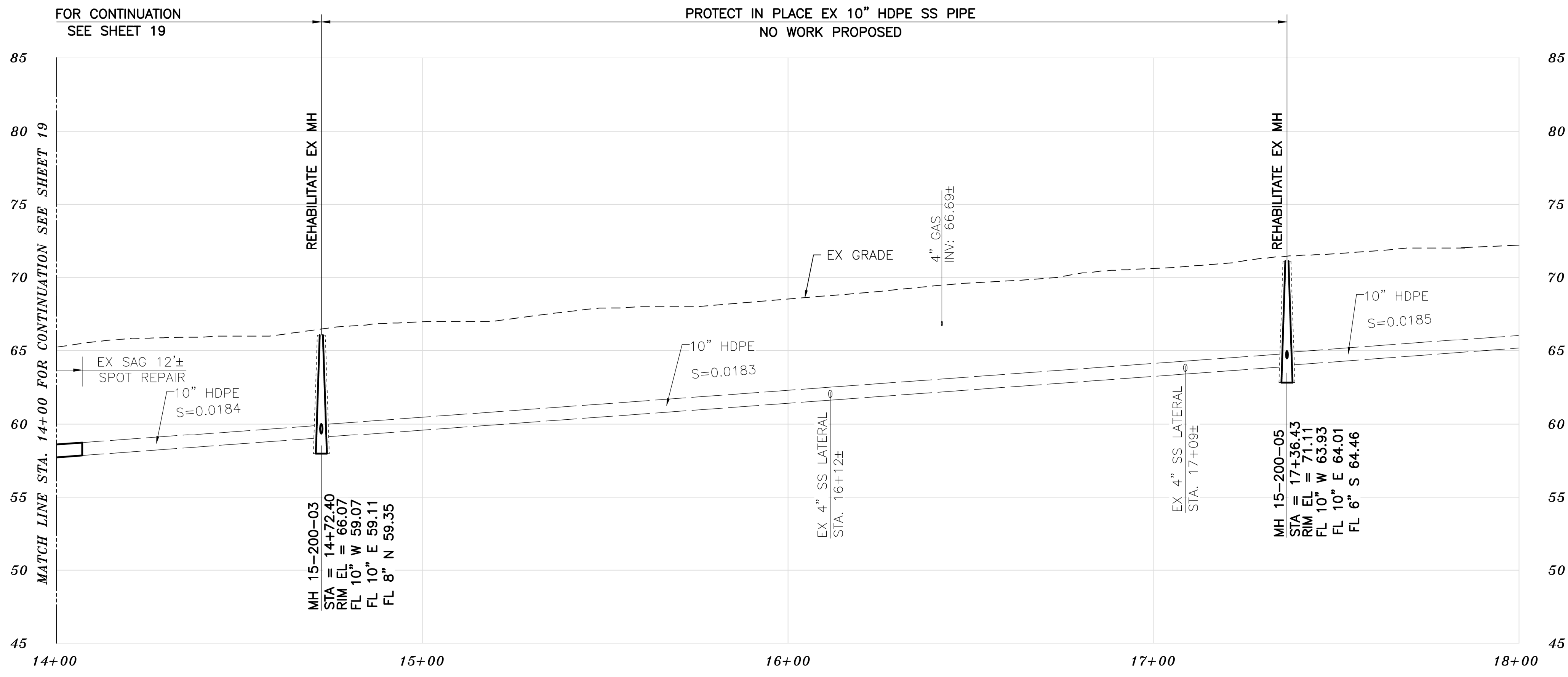
DESIGN: MA
DRAWN: JB
CHECK: TH
AS BUILT: _____
DATE: 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
UNIVERSITY AVENUE
10" SS
PLAN AND PROFILE

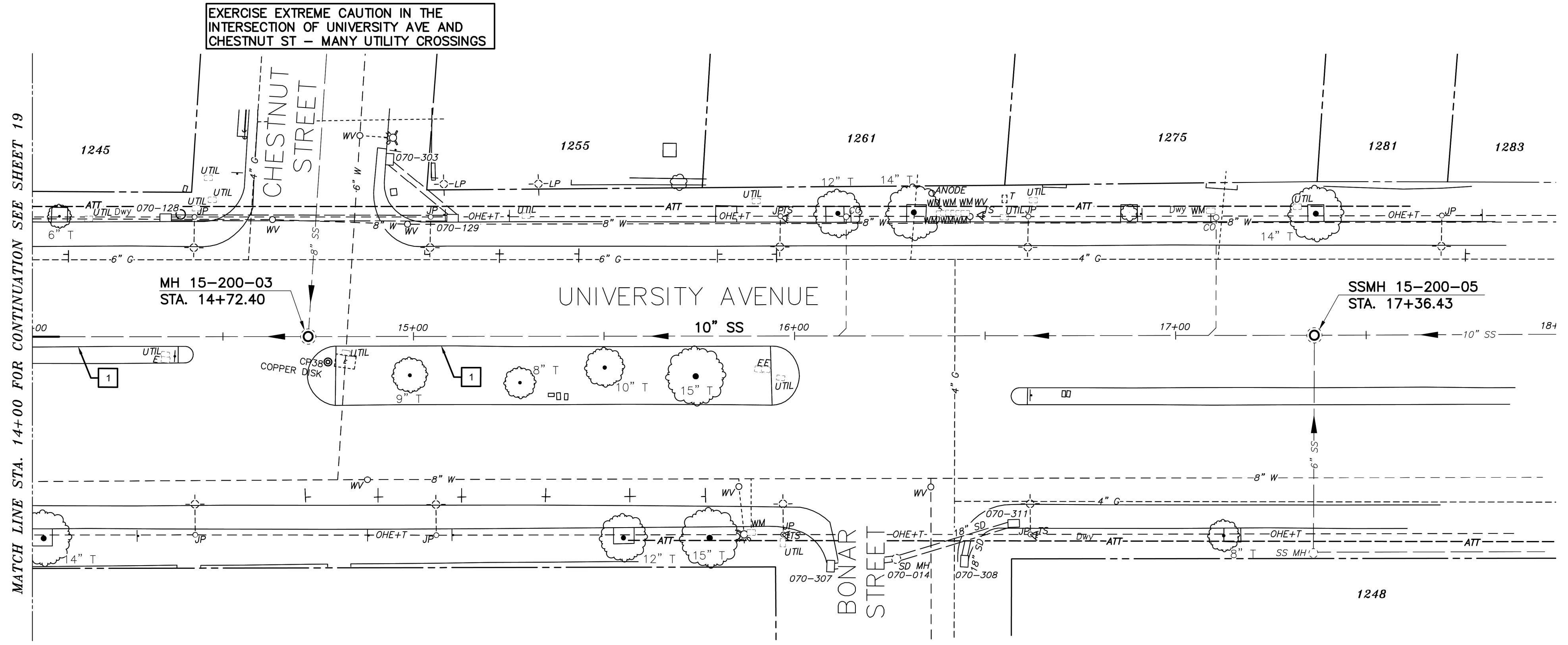
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 19 OF 35

APPROVAL DESCRIPTION DATE MARK REVISION



PROFILE

- KEYNOTES**
- 1 RECONSTRUCT PORTIONS OF THE EX CURB AND GUTTER IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8145.



PLAN

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SANITARY SEWER LAYOUT - UNIVERSITY

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 14+00.00 | 2144046.34 | 6045502.14 | N81°53'51.14"E | 72.38 | MATCH LINE |
| 14+72.40 | 2144056.54 | 6045573.80 | N81°52'19.93"E | 264.06 | MH 15-200-03 |
| 17+36.43 | 2144093.87 | 6045835.20 | N81°40'54.36"E | 63.56 | MH 15-200-05 |

K:\Projects\2023\230048 berkeley sewer rehab\dwg\03 - plan sheets\19 UNIVERSITY AVENUE.dwg [20.08.1] 12-14-23 10:24:13 AM gjun

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REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER _____

DESIGN MA _____
DRAWN JB _____
CHECK TH _____
AS BUILT _____

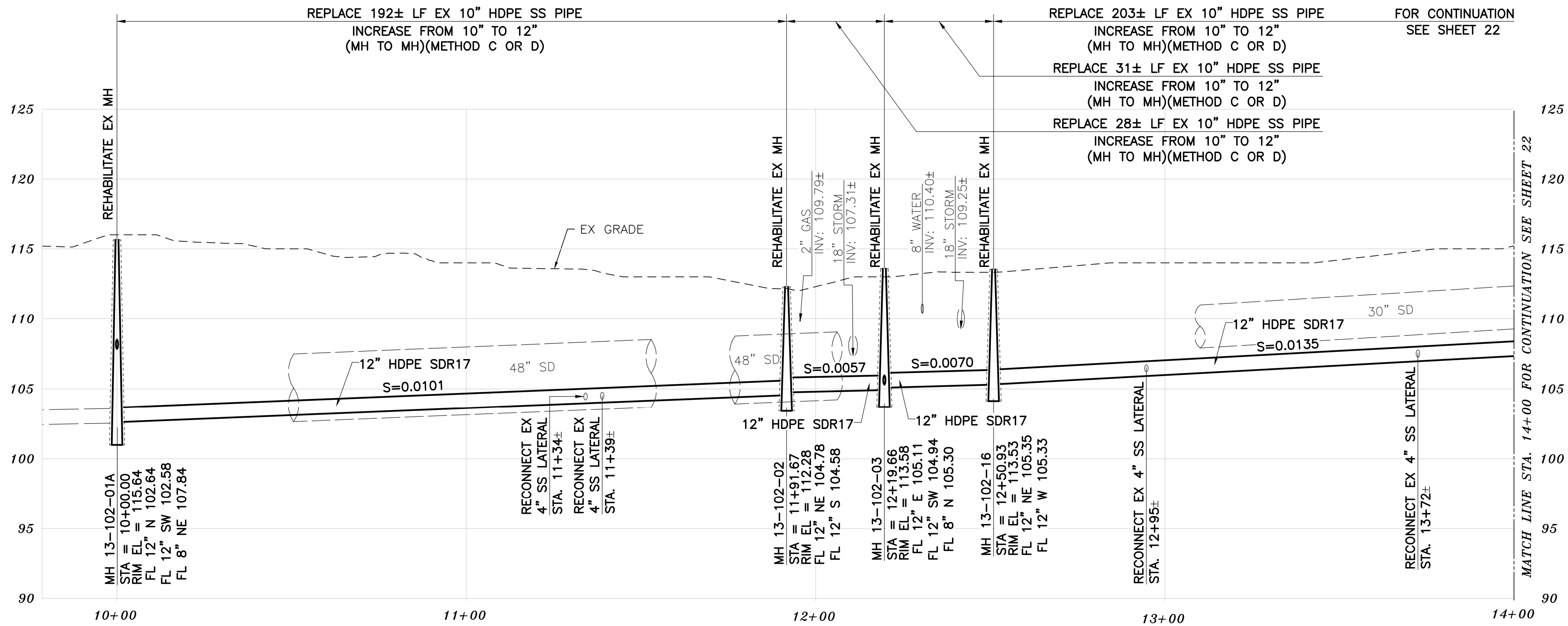
HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
UNIVERSITY AVENUE
10" SS
PLAN AND PROFILE

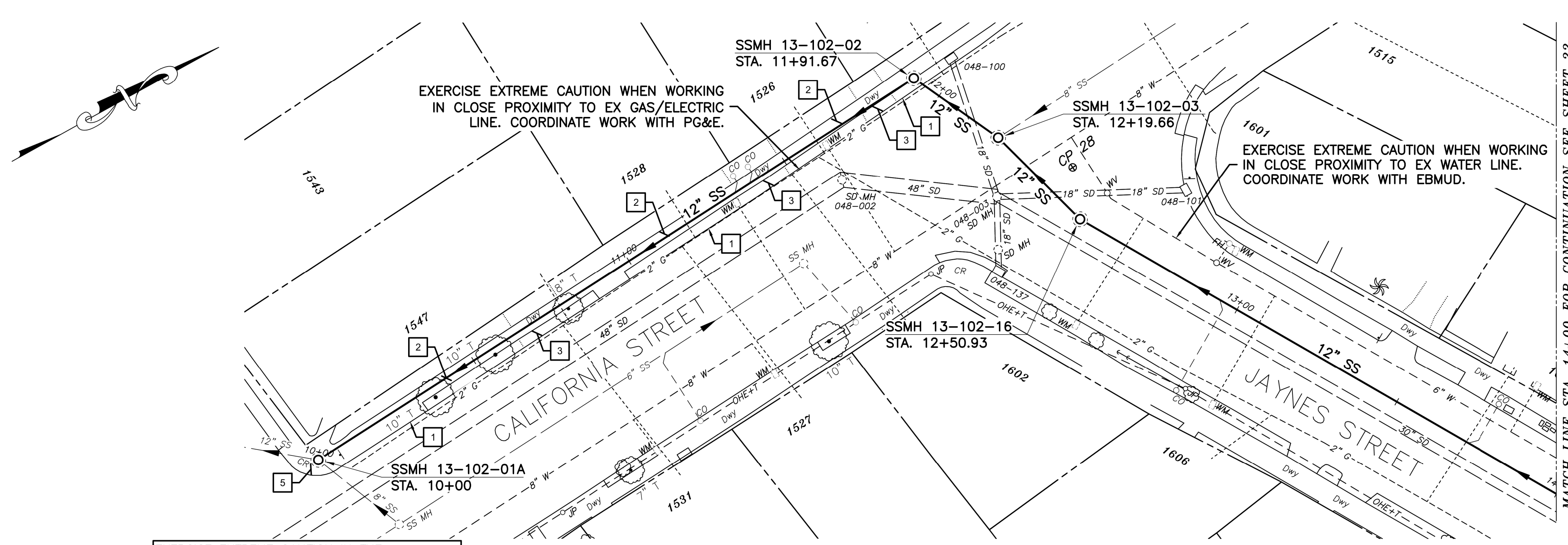
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 20 OF 35

| APPROVAL | DESCRIPTION | DATE | MARK | REVISION |
|----------|-------------|------|------|----------|
| | | | | |



PROFILE

- KEYNOTES**
- 1 RECONSTRUCT PORTIONS OF THE EX CURB AND GUTTER IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8145.
 - 2 RECONSTRUCT PORTIONS OF THE EX SIDEWALK IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8153.
 - 3 RECONSTRUCT THE EX DRIVEWAY IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8151.
 - 4 RECONSTRUCT PORTIONS OF THE EX VALLEY GUTTER IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8149.
 - 5 RECONSTRUCT THE EX CURB RAMP IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CALTRANS STANDARD PLAN 488A.



PLAN

SANITARY SEWER LAYOUT - JAYNES

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|---------------|
| 10+00.00 | 2146693.73 | 6047779.39 | N3°45'15.53"W | 191.67 | MH 13-102-01A |
| 11+91.67 | 2146884.98 | 6047766.84 | N64°04'44.91"E | 27.99 | MH 13-102-02 |
| 12+19.66 | 2146897.22 | 6047792.02 | N73°43'21.58"E | 31.27 | MH 13-102-02 |
| 12+50.93 | 2146905.98 | 6047822.03 | N58°49'21.39"E | 149.07 | MH 13-102-16 |
| 14+00.00 | 2146983.15 | 6047949.57 | --- | --- | --- |

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
 2. LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
 3. LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
 6. ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.

K:\Projects\2023\230048 berkeley sewer rehab\dwg\03 - plan sheets\21 JAYNES STREET.dwg [21 C9.0] 12-14-23 10:24:36 AM g.jun

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT _____

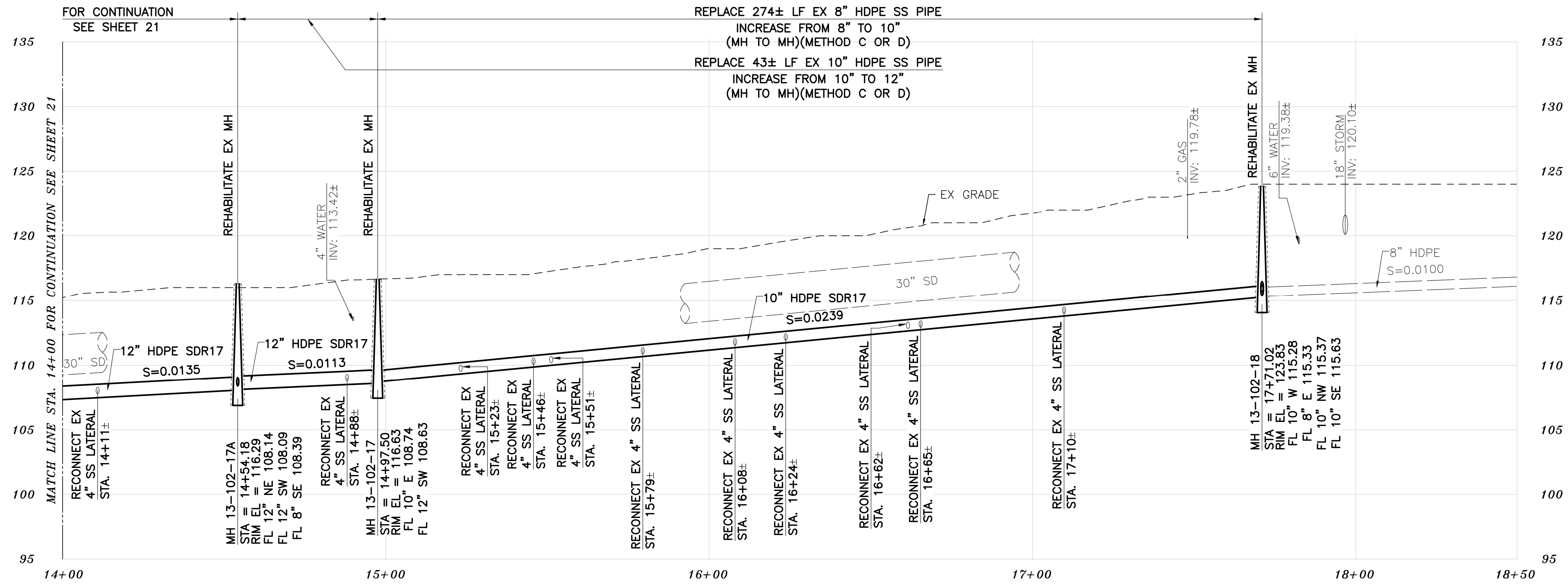
HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

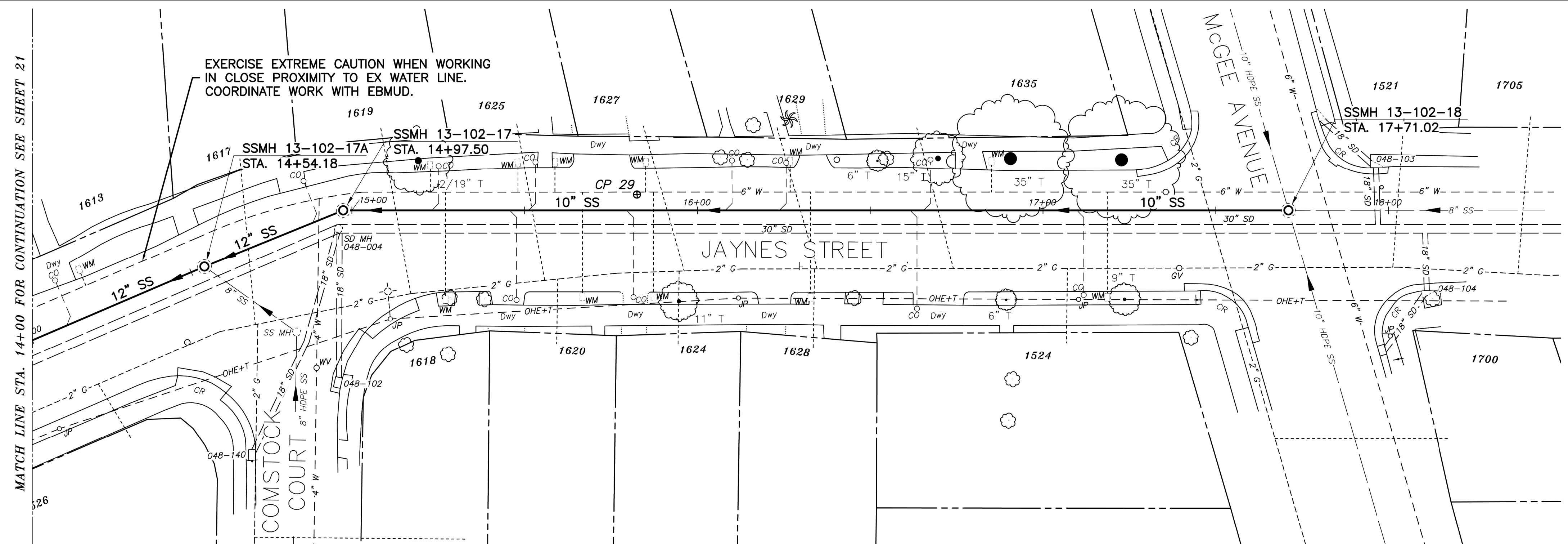
SANITARY SEWER REHABILITATION
JAYNES STREET
12" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 21 OF 35

| APPROVAL | DESCRIPTION | DATE | MARK | REVISION |
|----------|-------------|------|------|----------|
| | | | | |



PROFILE



PLAN

SANITARY SEWER LAYOUT - JAYNES

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|---------------|
| 14+00.00 | 2146983.15 | 6047949.57 | N58°49'21.39"E | 54.18 | MATCH LINE |
| 14+54.18 | 2146884.98 | 6047766.84 | N59°56'45.77"E | 43.31 | MH 13-102-17A |
| 14+97.50 | 2147032.90 | 6048033.42 | N81°57'00.82"E | 273.53 | MH 13-102-17 |
| 17+71.02 | 2147071.20 | 6048304.25 | --- | --- | --- |

NOTES:

- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
- LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
- LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
- ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.

K:\Projects\2023\230048 berkeley sewer rehab\dwg\03 - plan sheets\21 jaynes STREET.dwg [22.09.1] 12-14-23 10:24:48 AM g.jun

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REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
DRAWN: _____ R.C.E. _____
SUPERVISING CIVIL ENGINEER: _____ EXP. _____
APPROVED: _____ DATE _____
CITY ENGINEER: _____ R.C.E. _____
AS BUILT: _____ EXP. _____

DESIGN: MA
DRAWN: JB
CHECK: TH
AS BUILT: _____
HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

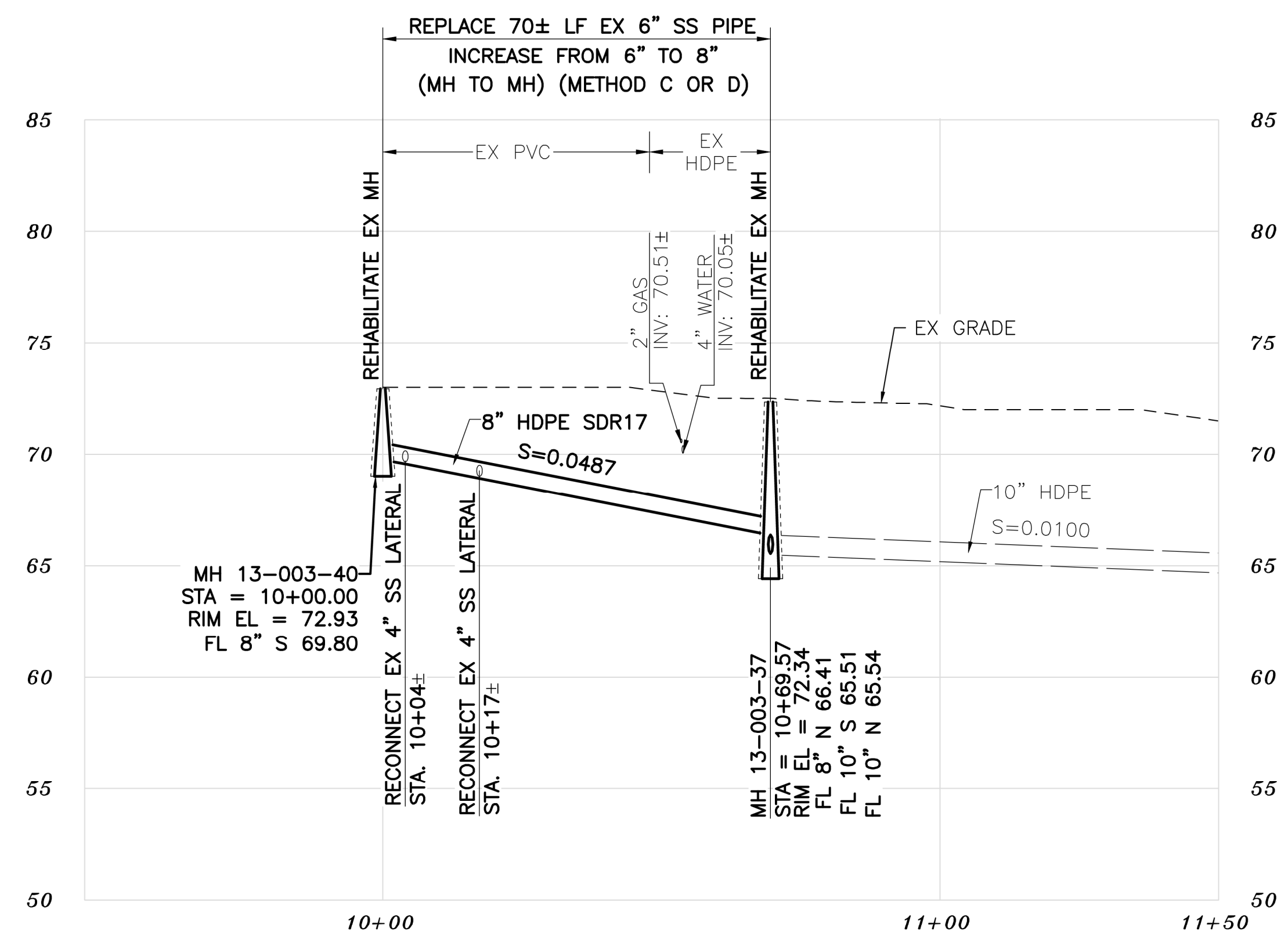
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
JAYNES STREET
10" - 12" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 22 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
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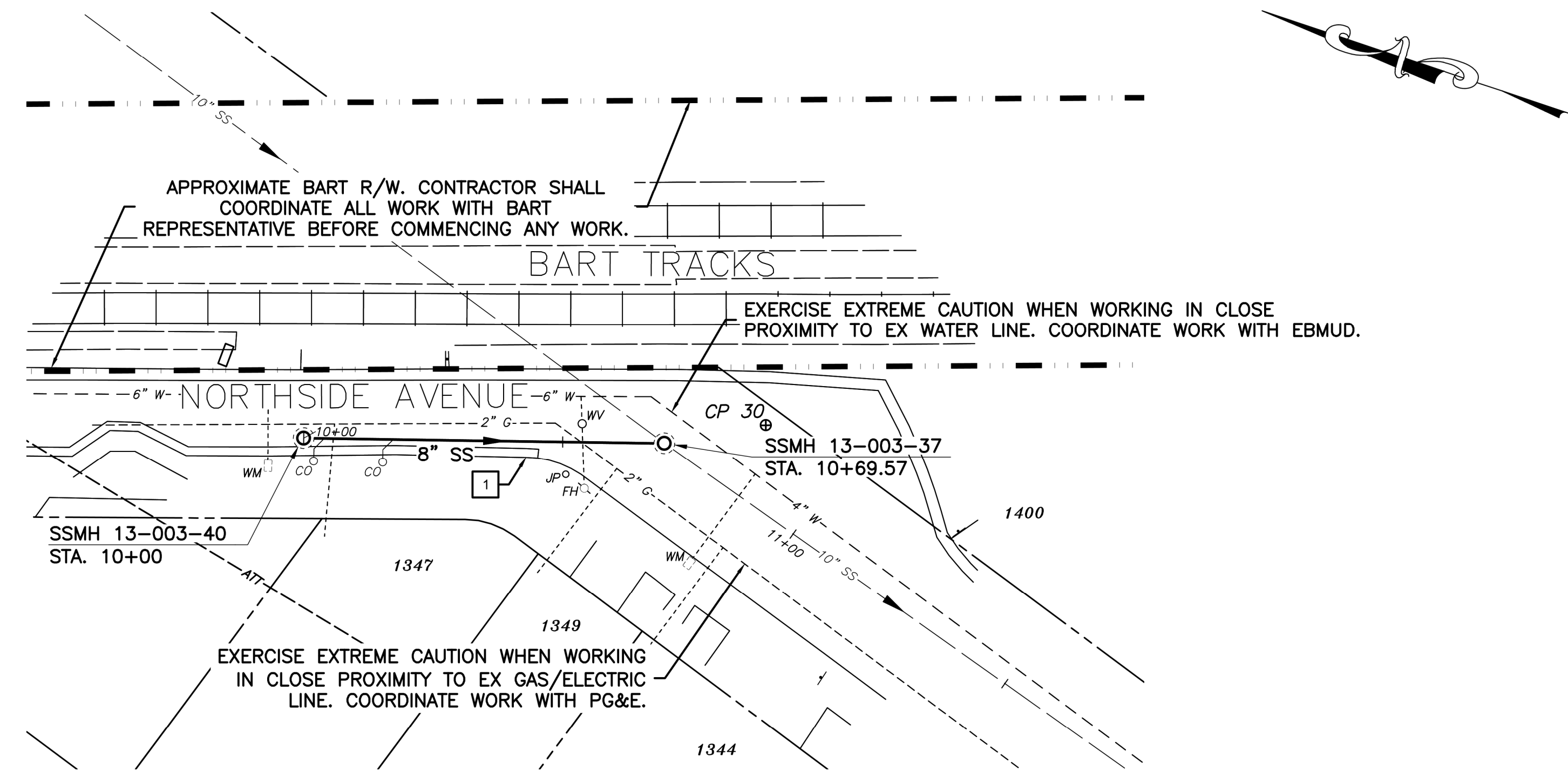
K:\Projects\2023\230048 berkeley sewer rehab\03 - plan sheets\23 NORTHSIDE AVENUE.dwg [23 C10.0] 12-14-23 10:25:11 AM gjun



PROFILE

KEYNOTES

- 1. RECONSTRUCT PORTIONS OF THE EX CURB AND GUTTER IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8145



PLAN

NOTES:

- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
- LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
- LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
- IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
- ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.
- APPROXIMATE BART R/W. CONTRACTOR SHALL COORDINATE ALL WORK WITH BART REPRESENTATIVE BEFORE COMMENCING ANY WORK.

SANITARY SEWER LAYOUT - NORTHSIDE

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 10+00 | 2147761.61 | 6045255.37 | S17°39'04.62"E | 69.57 | MH 17-200-37 |
| 10+69.57 | 2147695.31 | 6045276.47 | --- | --- | --- |

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
CITY ENGINEER _____

DESIGN MA
DRAWN JB
CHECK TH
AS BUILT _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

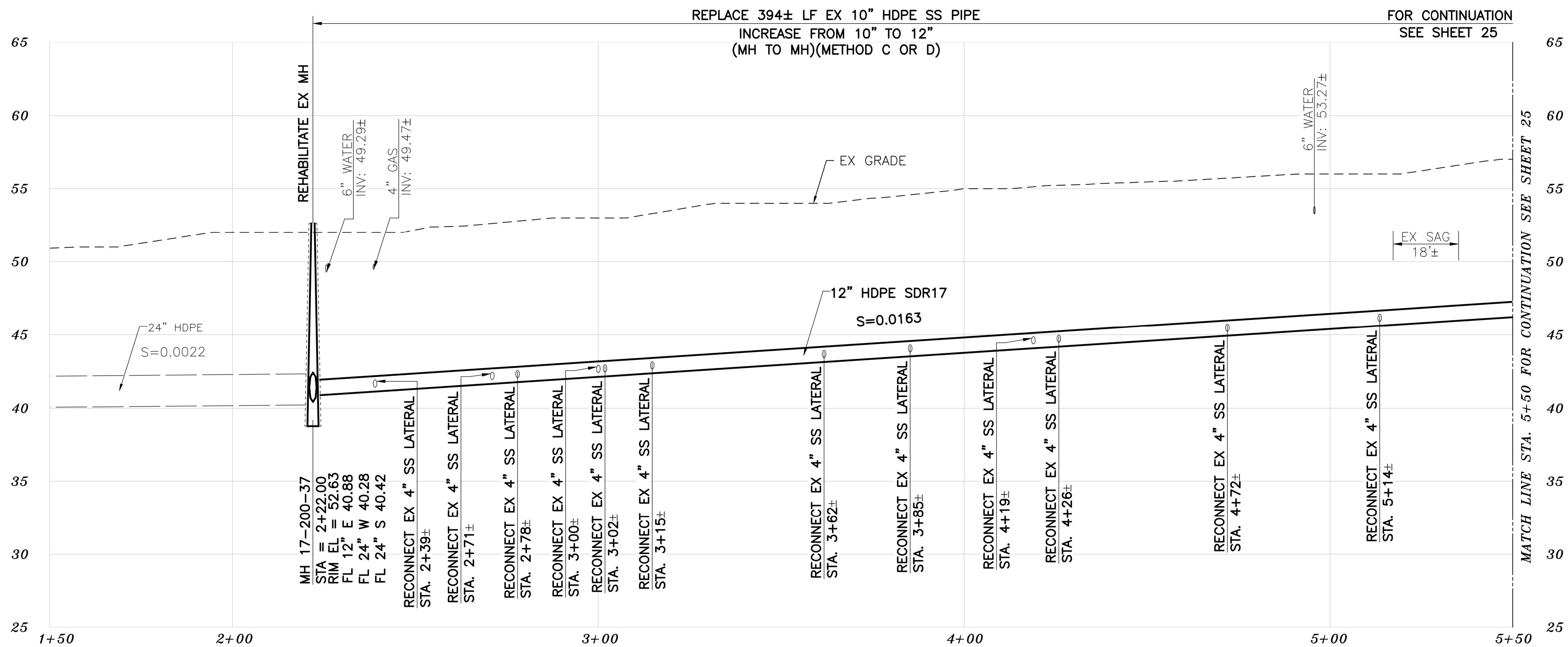
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
NORTHSIDE AVENUE
6" SS
PLAN AND PROFILE

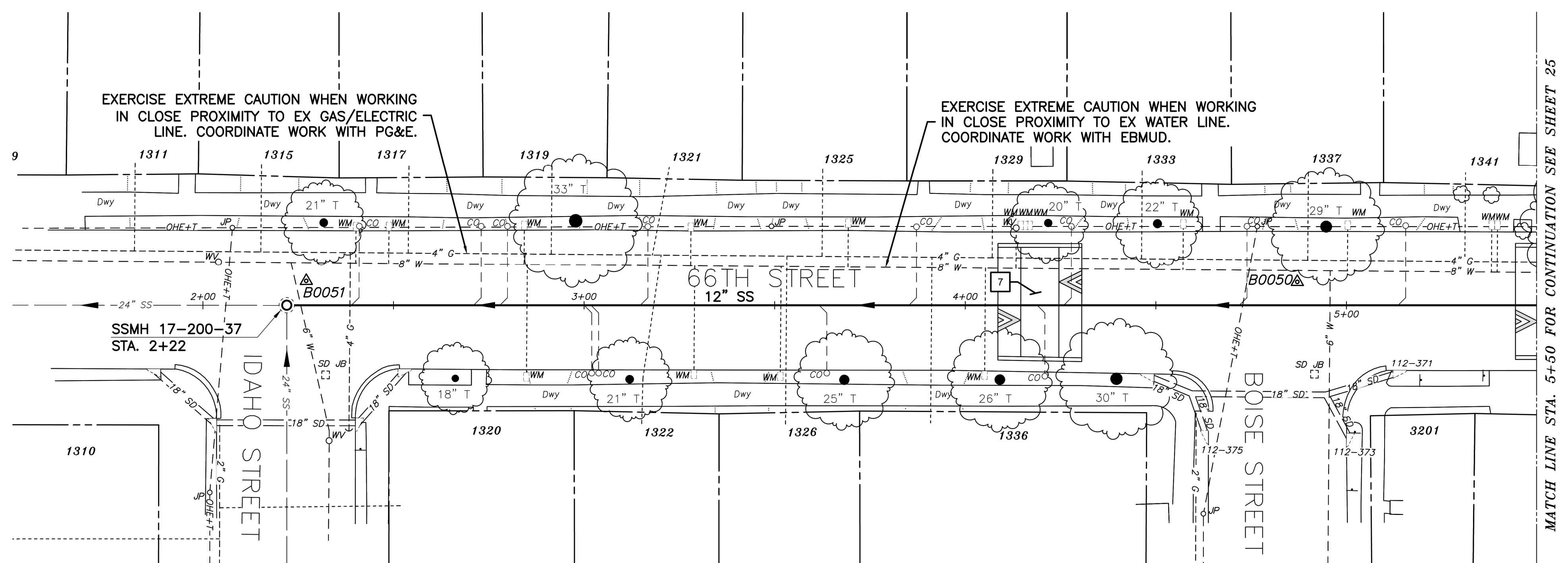
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 23 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
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PROFILE



PLAN

SANITARY SEWER LAYOUT - 66TH

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|---------|------------|------------|----------------|----------|--------------|
| 2+22.00 | 2136723.71 | 6047192.29 | N75°26'15.63"E | 327.99 | MH 17-200-37 |
| 5+50.00 | 2136806.18 | 6047509.75 | --- | --- | MATCH LINE |

KEYNOTES

- 7 RECONSTRUCT PORTIONS OF THE EX SPEED TABLE IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8208.

NOTES:

- FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
- LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
- LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
- RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
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FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER

DESIGN: MA
DRAWN: JB
CHECK: TH
AS BUILT: _____
DATE: 12/14/23

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

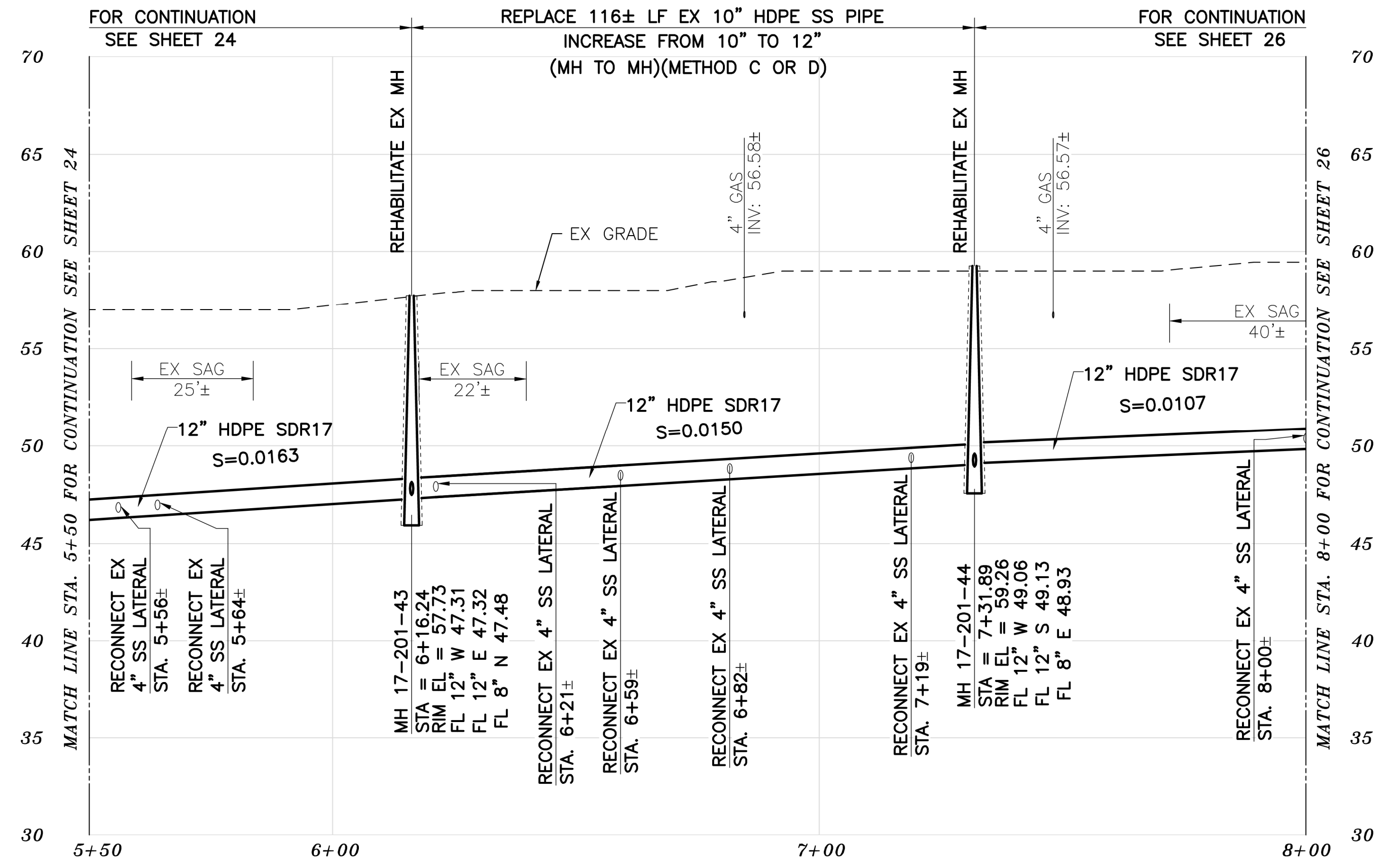
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
66TH STREET
12" SS
PLAN AND PROFILE

PLAN NO. 8272
FILE NO. 502-707
SHEET 24 OF 35

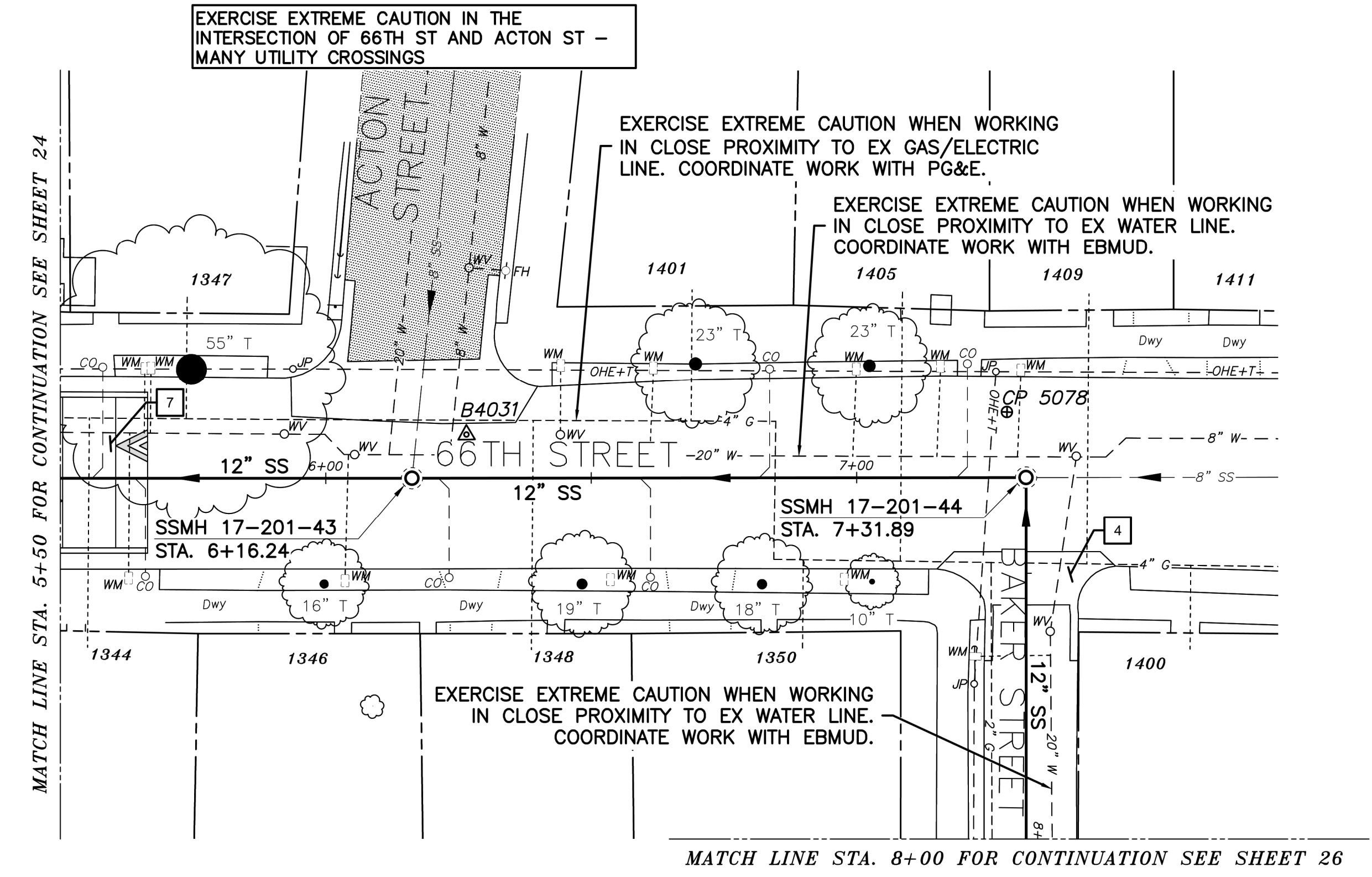
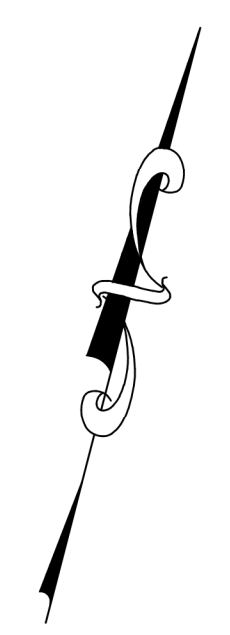
APPROVAL
DESCRIPTION
DATE
MARK
REVISION

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PROFILE

- KEYNOTES**
- 4 RECONSTRUCT PORTIONS OF THE EX VALLEY GUTTER IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8149.
 - 7 RECONSTRUCT PORTIONS OF THE EX SPEED TABLE IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8208.



PLAN

- PAVEMENT MORATORIUM LEGEND**
- PAVEMENT MORATORIUM AREA
ACTON STREET (ASHBY AVENUE - 66TH STREET)
12/31/2020 THROUGH 12/31/2025
- PAVEMENT MORATORIUM NOTES**
1. EXCAVATION OR PAVEMENT CUTS WITHIN A DESIGNATED PAVEMENT MORATORIUM AREA SHALL BE RESTORED PER CITY OF BERKELEY STANDARD DETAIL 8136 AS SHOWN IN THE PLANS AND SPECIFICATIONS.

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
 2. LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
 3. LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
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SANITARY SEWER LAYOUT - 66TH

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|---------|------------|------------|----------------|----------|--------------|
| 5+50.00 | 2136806.18 | 6047509.75 | N75°26'15.63"E | 66.25 | MATCH LINE |
| 6+16.24 | 2136822.84 | 6047573.87 | N75°21'23.46"E | 115.64 | MH 17-201-43 |
| 7+31.89 | 2136852.07 | 6047685.76 | S14°34'33.46"E | 68.07 | MH 17-201-44 |
| 8+00 | 2136786.16 | 6047702.91 | --- | --- | MATCH LINE |

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REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

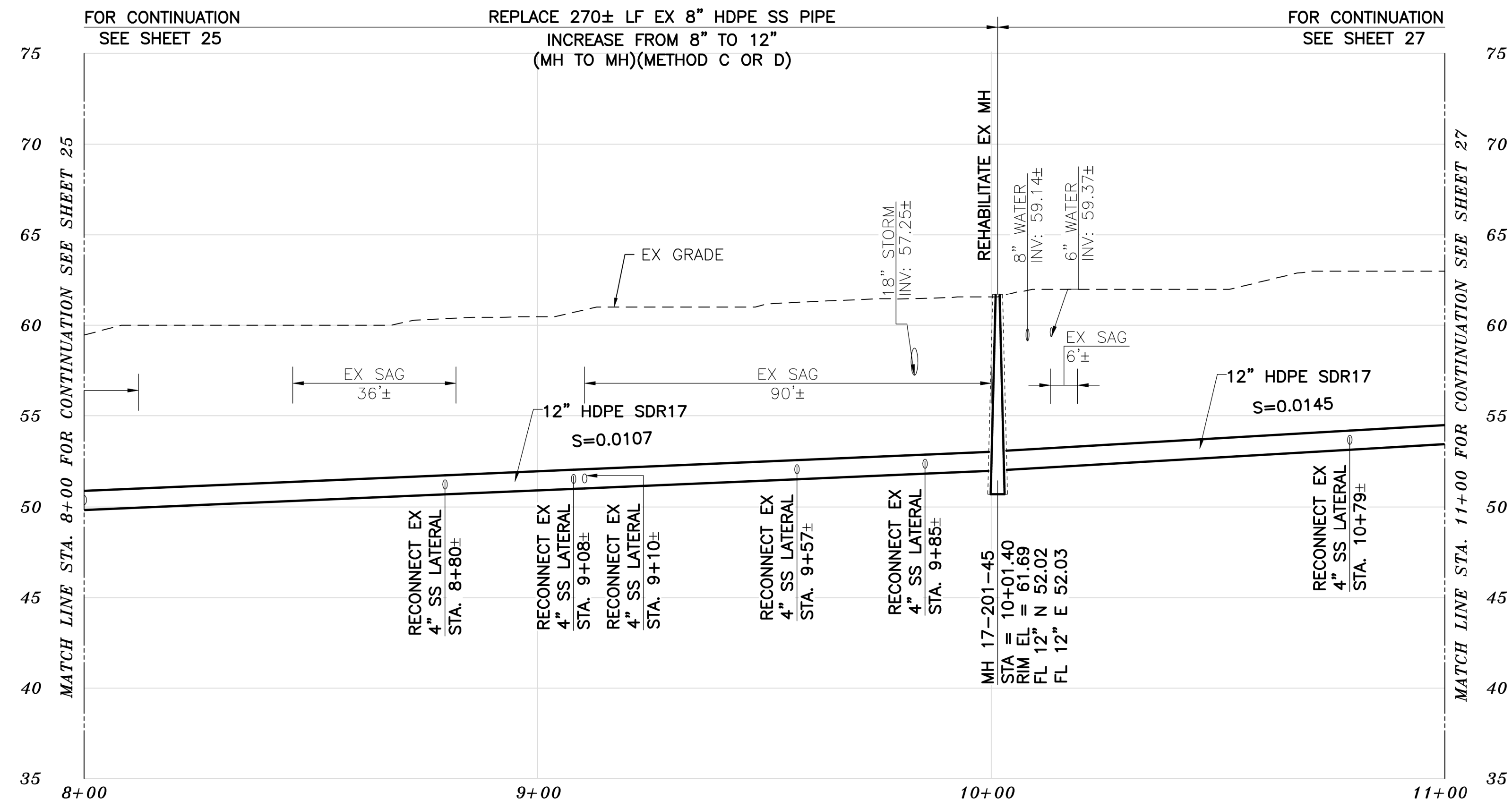
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
66TH STREET
12" SS
PLAN AND PROFILE

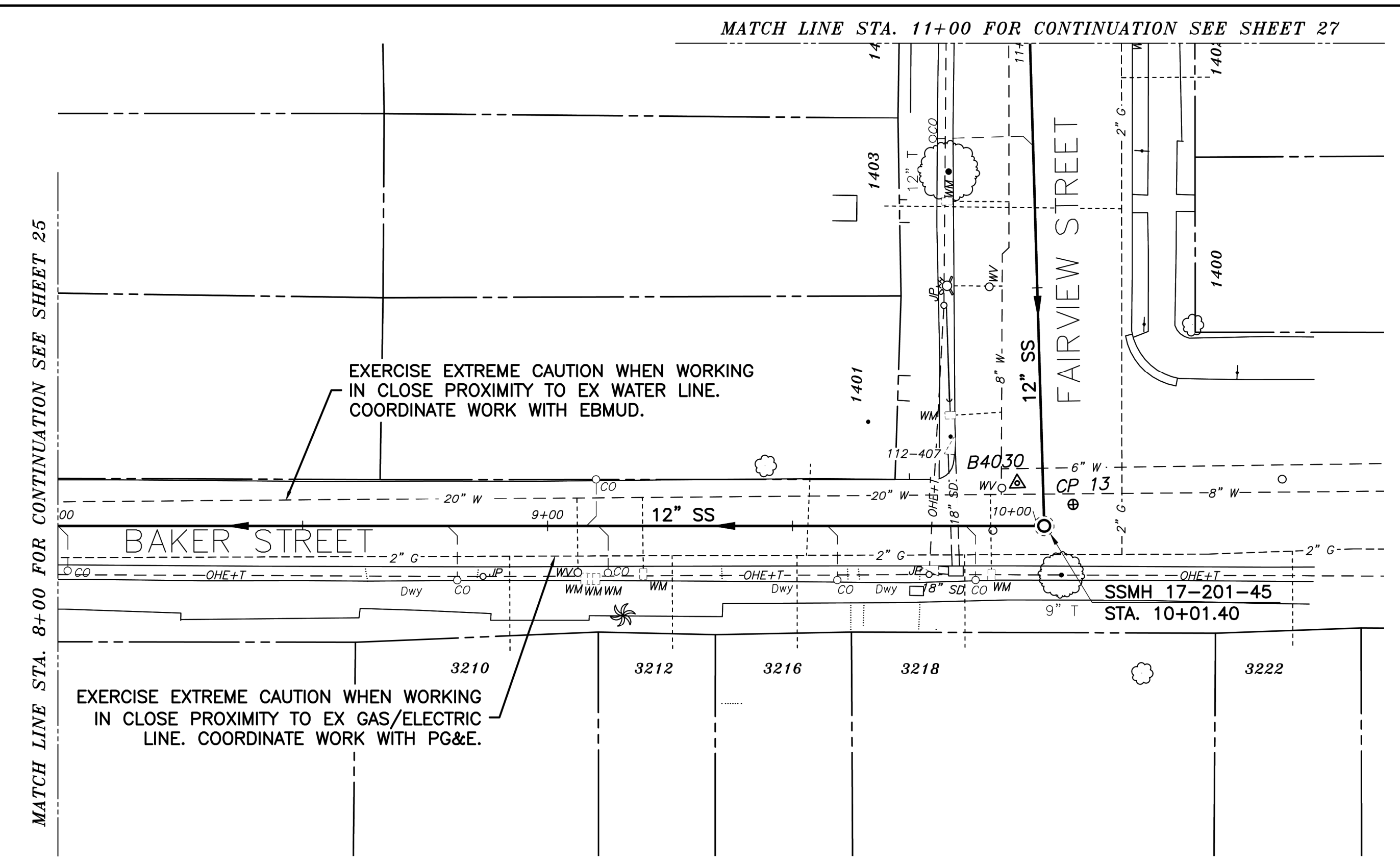
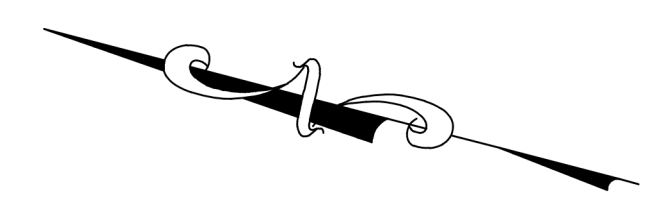
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 25 OF 35

APPROVAL
DESCRIPTION
DATE
MARK
REVISION

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PROFILE



PLAN

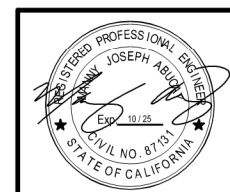
NOTES:

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SANITARY SEWER LAYOUT - BAKER

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|---------|------------|------------|----------------|----------|--------------|
| 8+00 | 2136786.16 | 6047702.91 | S14°35'13.98"E | 201.40 | MATCH LINE |
| 10+00 | 2136591.25 | 6047753.63 | N73°44'45.48"E | 98.60 | MH 17-201-45 |
| 11+00 | 2136618.85 | 6047848.29 | --- | --- | MATCH LINE |

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REFERENCE SEWER MAP NO.



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Intelligent Infrastructure
925-685-4569
bellecci.com

PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER

DESIGN MA _____
DRAWN JB _____
CHECK TH _____
AS BUILT _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

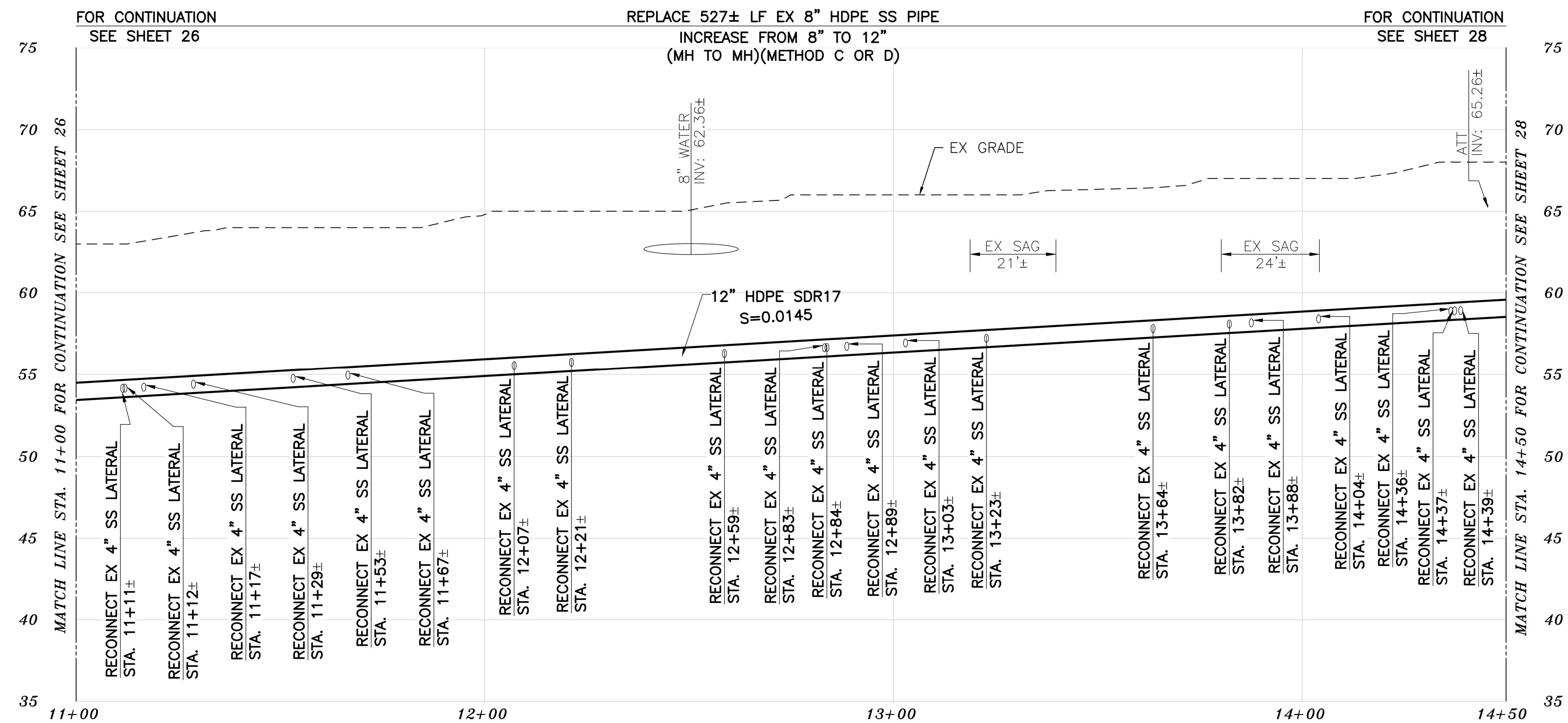
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
BAKER STREET
12" SS
PLAN AND PROFILE

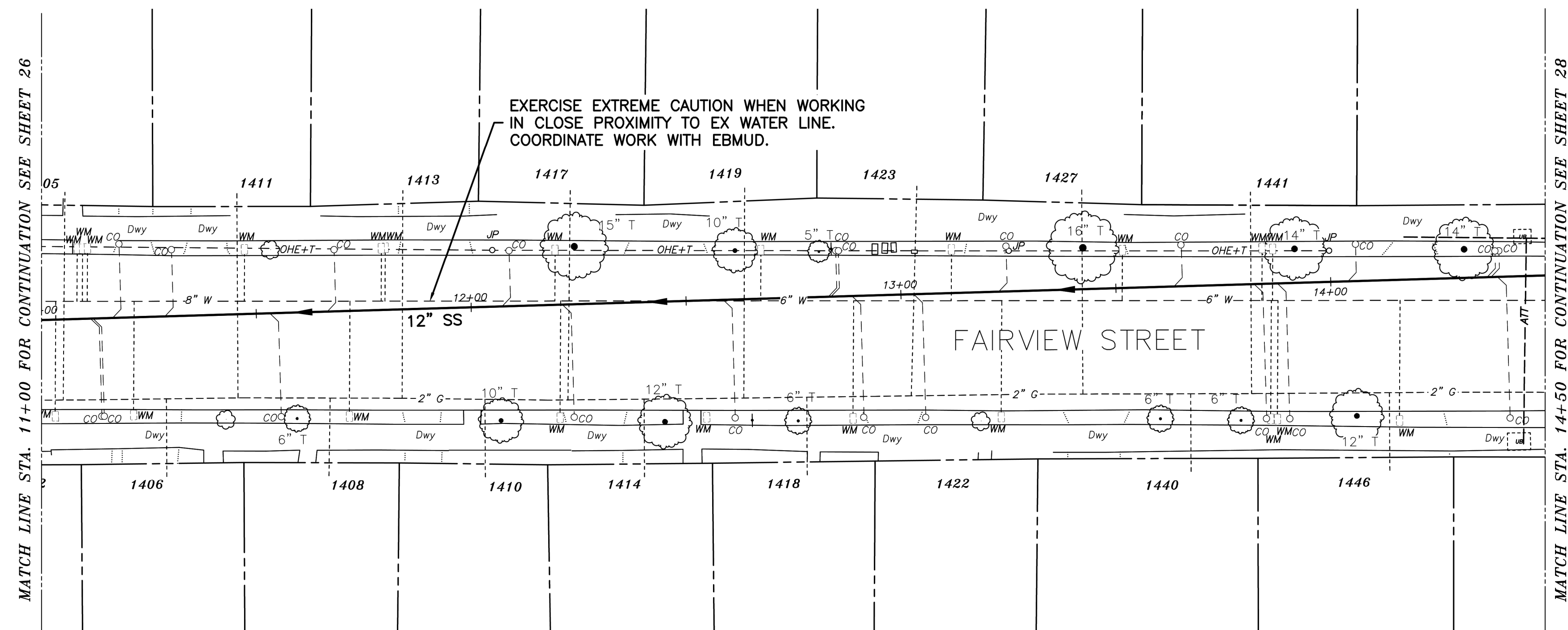
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 26 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
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PROFILE



PLAN

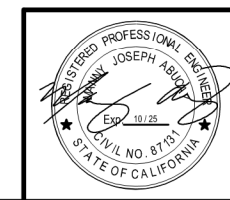
SANITARY SEWER LAYOUT - FAIRVIEW

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|---------|------------|------------|----------------|----------|-------------|
| 11+00 | 2136618.85 | 6047848.29 | N73°44'46.80"E | 350.00 | MATCH LINE |
| 14+50 | 2136716.81 | 6048184.31 | --- | --- | MATCH LINE |

NOTES:

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REFERENCE SEWER MAP NO.



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925-685-4569
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PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
DRAWN: _____ R.C.E. _____
SUPERVISING CIVIL ENGINEER _____ EXP. _____
APPROVED: _____ DATE _____
CITY ENGINEER _____ R.C.E. _____
EXP. _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT: _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

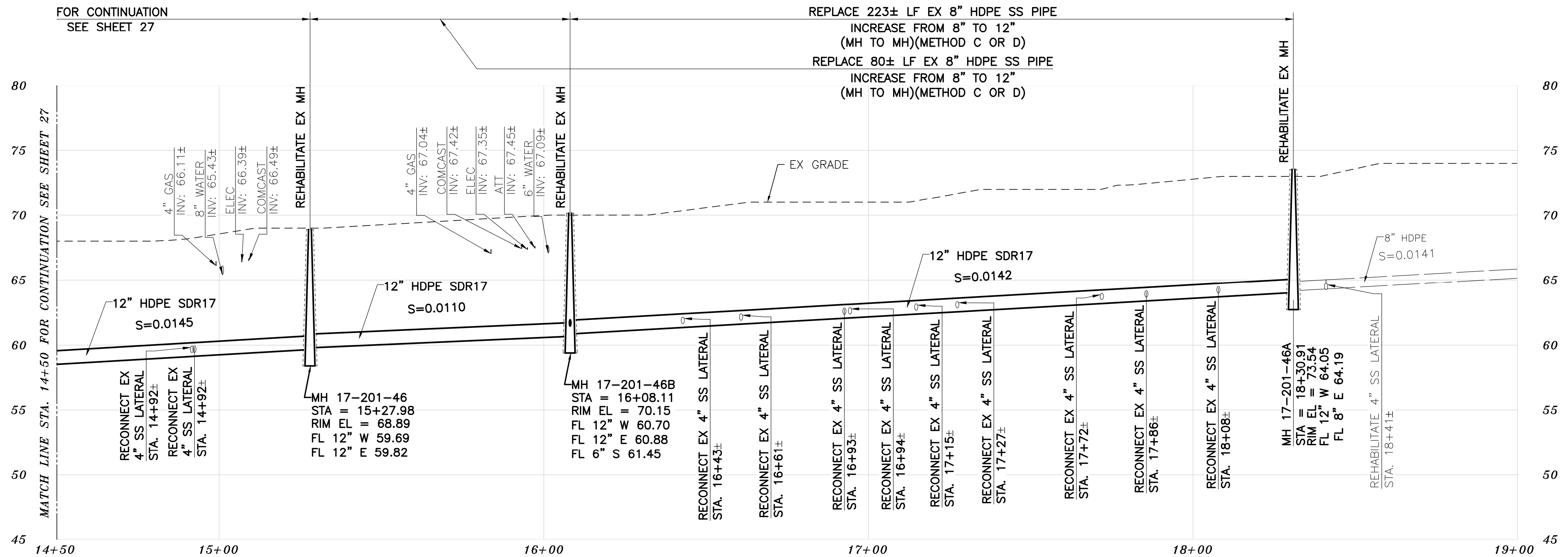
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
FAIRVIEW STREET
12" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 27 OF 35

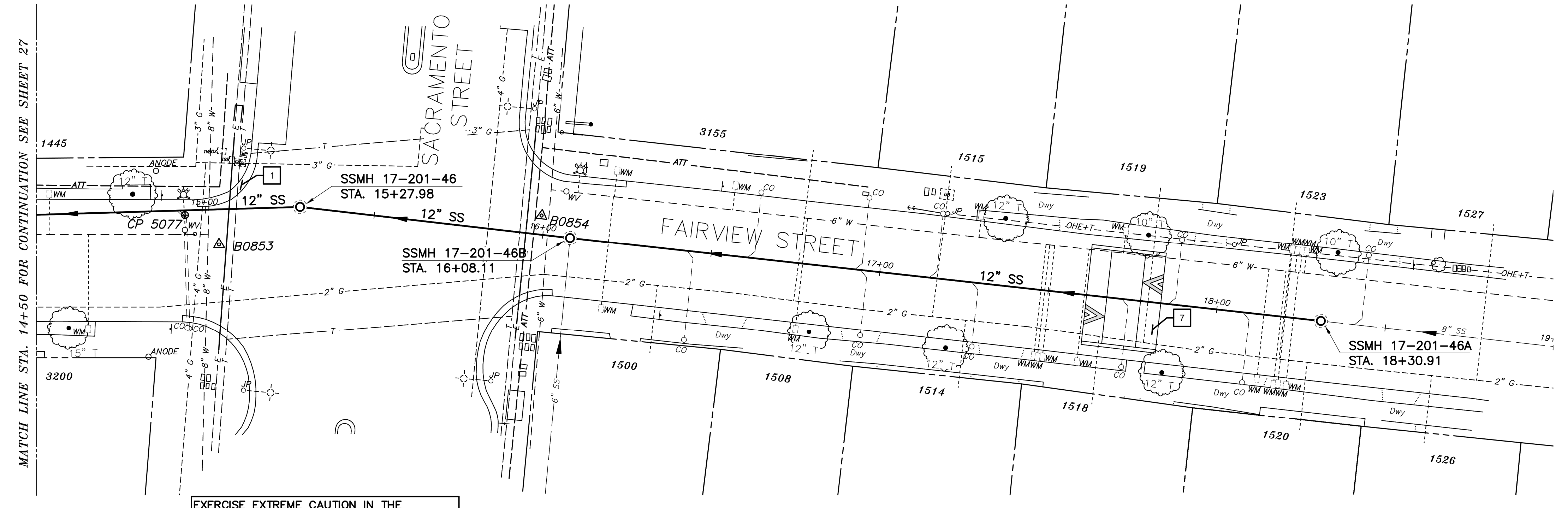
APPROVAL
DESCRIPTION
DATE
MARK
REVISION

K:\Projects\2023\230048 berkeley sewer rehab\dwg\03 - plan sheets\24 66TH ST.-BAKER ST.-FAIRVIEW ST.-dwg [28 011.4] 12-14-23 10:26:48 AM gjun



PROFILE

- KEYNOTES**
- 1 RECONSTRUCT PORTIONS OF THE EX CURB AND GUTTER IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8145.
 - 7 RECONSTRUCT PORTIONS OF THE EX SPEED TABLE IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8208.



EXERCISE EXTREME CAUTION IN THE INTERSECTION OF FAIRVIEW ST AND SACRAMENTO ST - MANY UTILITY CROSSINGS

PLAN

- NOTES:**
1. FOR GENERAL NOTES SEE SHEET 4 OF THE PLANS.
 2. LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
 3. LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
 4. RECONSTRUCT CITY MONUMENTS DISTURBED BY SEWER INSTALLATION. REFER TO STANDARD DETAIL PLAN NOS. 8090 & 8091 OF THE SPECIFICATIONS.
 5. IN ACCORDANCE WITH SPECIAL CONDITION NO. 13 IN THE SPECIAL PROVISIONS, PRIOR TO EXCAVATION, CONTRACTOR SHALL POTHOLE AND VERIFY THE LOCATION AND DEPTH OF EXISTING STORM DRAINS, SANITARY SEWER MAINS, SEWER LATERALS, AND OTHER UTILITIES OR CONDUITS TO CONFIRM CLEARANCE TO THE WORK BEING PERFORMED. IF CLEARANCE IS LESS THAN 12 INCHES OR IF THERE IS AN EXISTING CONCRETE SADDLE AT THE CROSSING, NOTIFY ENGINEER IMMEDIATELY PRIOR TO CONTINUING WORK.
 6. ALL EXISTING TREES SHALL BE PROTECTED AGAINST INJURY FROM CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED.

SANITARY SEWER LAYOUT - FAIRVIEW

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|---------------|
| 14+50 | 2136716.81 | 6048184.31 | N73°44'46.51"E | 77.98 | MATCH LINE |
| 15+27.98 | 2136738.64 | 6048259.16 | N81°58'58.25"E | 80.13 | MH 17-201-46 |
| 16+08.11 | 2136749.81 | 6048338.51 | N81°44'34.50"E | 222.81 | MH 17-201-46B |
| 18+30.91 | 2136781.81 | 6048559.01 | N81°44'34.50"E | 69.09 | MH 17-201-46A |
| 19+00 | 2136791.73 | 6048627.38 | --- | --- | MATCH LINE |

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____
FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

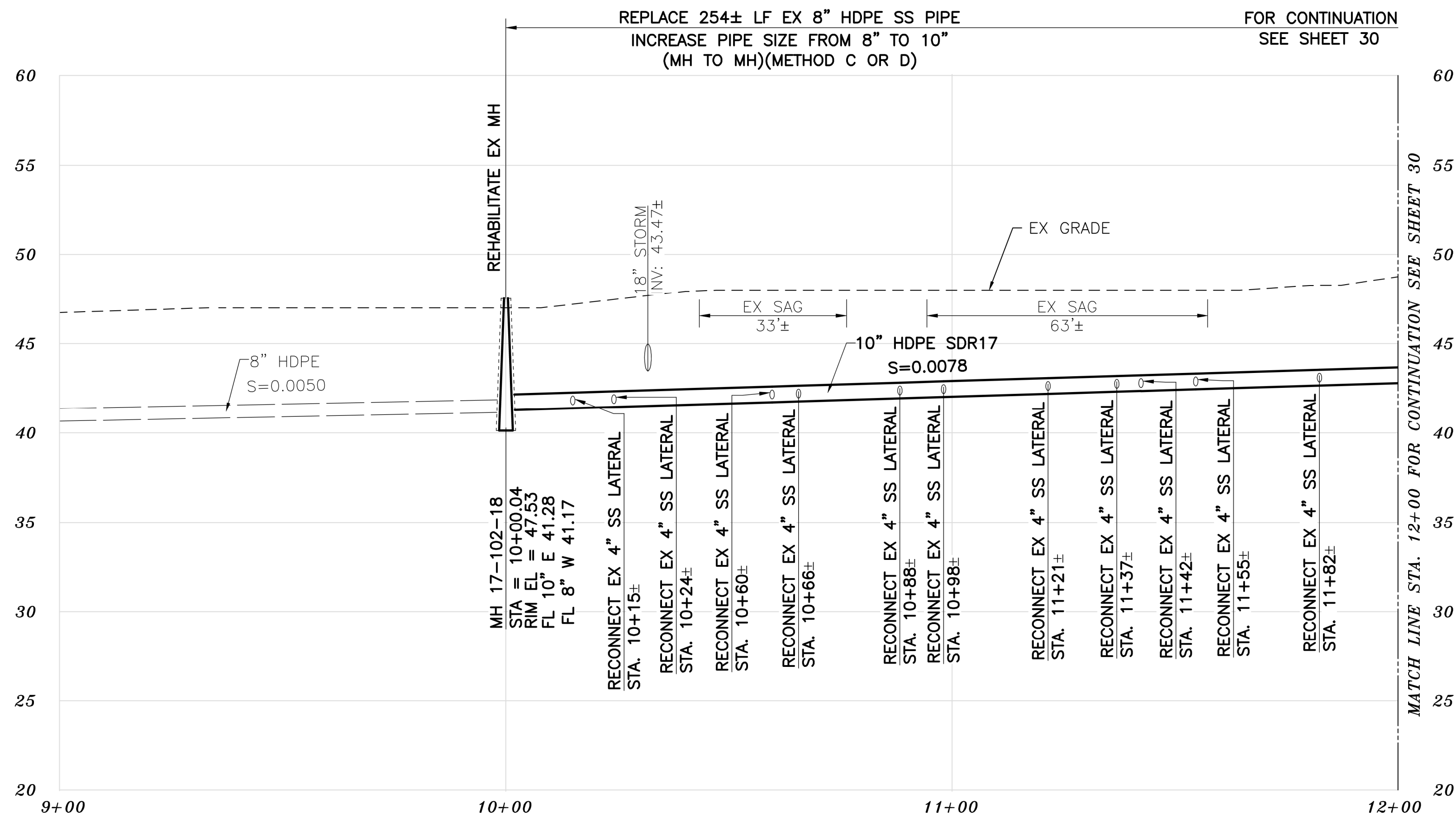
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
FAIRVIEW STREET
12" SS
PLAN AND PROFILE

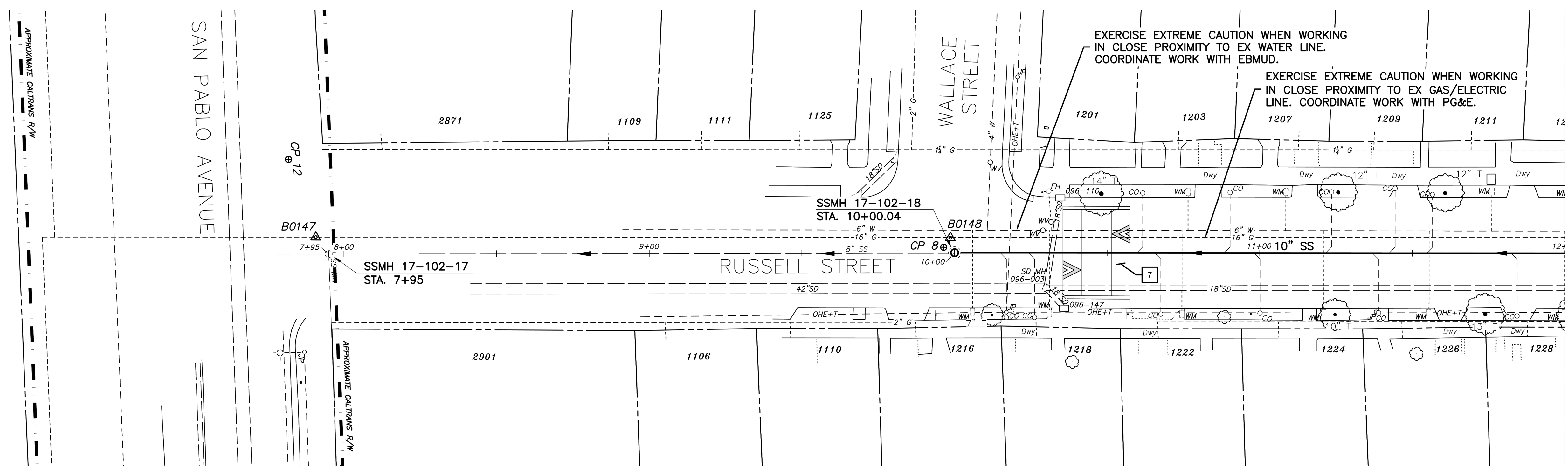
PLAN NO.: 8272
FILE NO.: 502-707
SHEET 28 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
| | | | | |

K:\Projects\2023\230048 Berkeley Sewer Rehab\Drawings\03 - Plan Sheets\29 RUSSELL STREET.dwg [29 C12.0] 12-14-23 01:22:16 PM thodge



PROFILE



PLAN

SANITARY SEWER LAYOUT - RUSSELL

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 10+00.00 | 2138234.41 | 6045872.61 | N79°07'45.79"E | 200.00 | MH 17-102-18 |
| 12+00.00 | 2138291.26 | 6046167.17 | --- | --- | MATCH LINE |

- NOTES:**
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 - LOCATE AND CONNECT ALL ACTIVE LOWER LATERALS TO NEW SEWER MAIN.
 - LOWER LATERALS AND CLEANOUTS DAMAGED BY SEWER INSTALLATION SHALL BE REPLACED. REFER TO LOWER LATERAL RECONSTRUCTION DETAIL AS SHOWN IN THE PLANS.
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FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT: _____

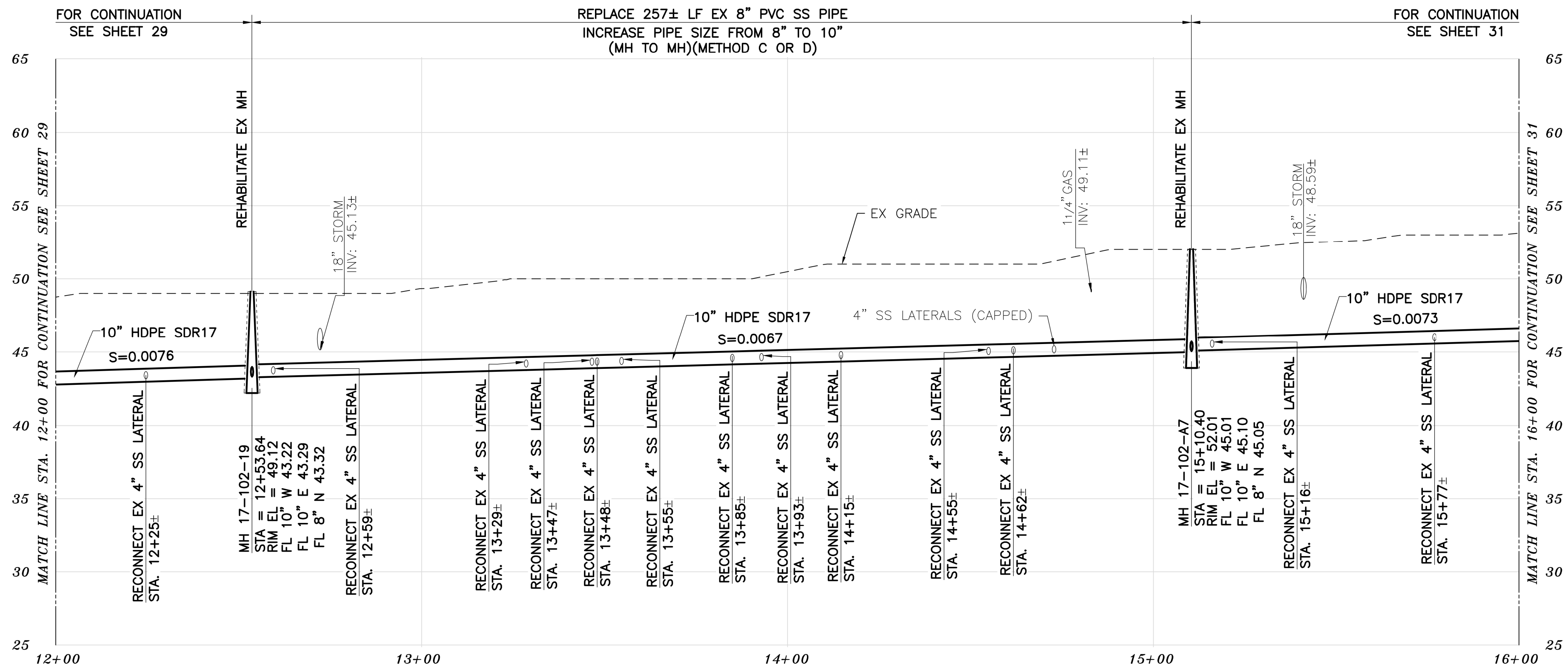
HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

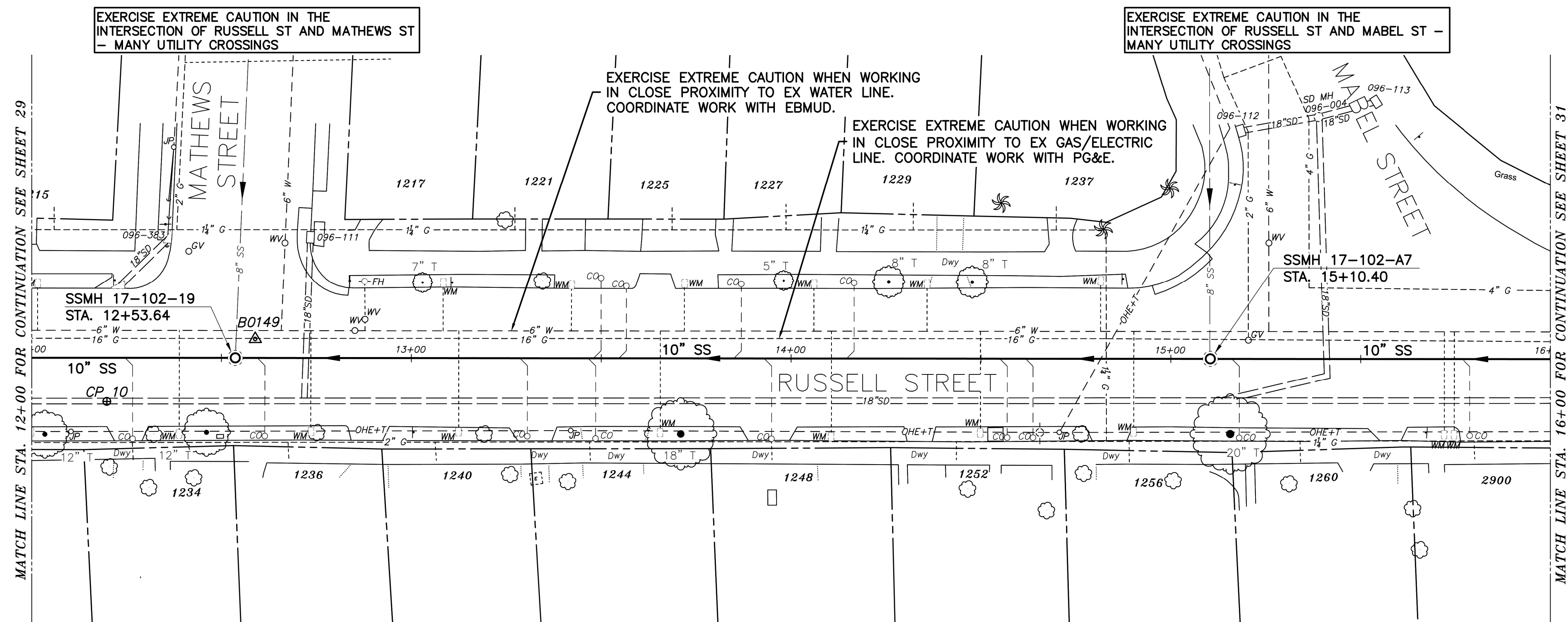
SANITARY SEWER REHABILITATION
RUSSELL STREET
10" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 29 OF 35

| APPROVAL | DESCRIPTION | DATE | MARK | REVISION |
|----------|-------------|------|------|----------|
| | | | | |



PROFILE



PLAN

SANITARY SEWER LAYOUT - RUSSELL

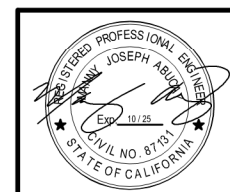
| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 12+00.00 | 2138291.26 | 6046167.17 | N79°04'54.75"E | 53.60 | MATCH LINE |
| 12+53.60 | 2138301.42 | 6046219.80 | N79°07'54.58"E | 256.75 | MH 17-102-19 |
| 15+10.36 | 2138349.83 | 6046471.95 | N79°07'53.89"E | 89.64 | MH 17-102-A7 |
| 16+00.00 | 2138366.73 | 6046559.99 | --- | --- | MATCH LINE |

NOTES:

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REFERENCE SEWER MAP NO.



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PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
R.C.E. _____
EXP. _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
R.C.E. _____
EXP. _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT _____

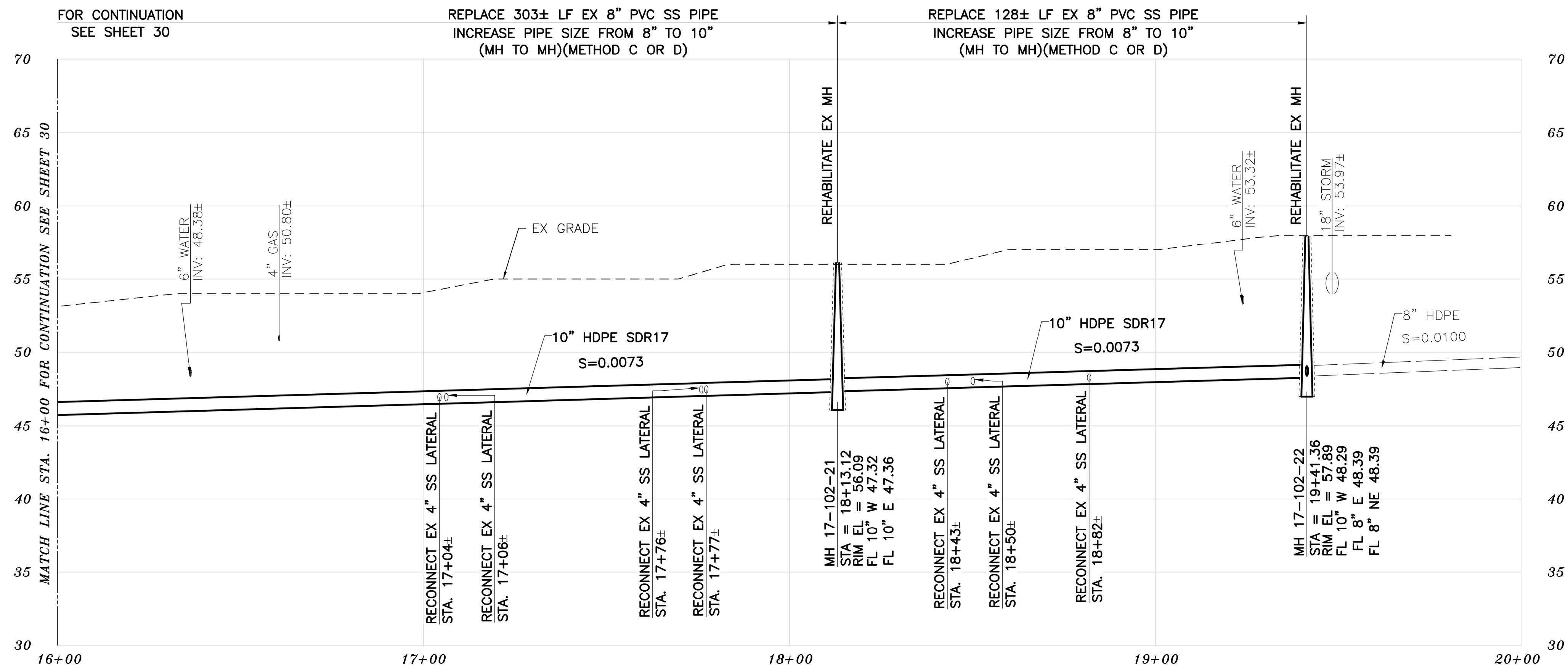
HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
RUSSELL STREET
10" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 30 OF 35

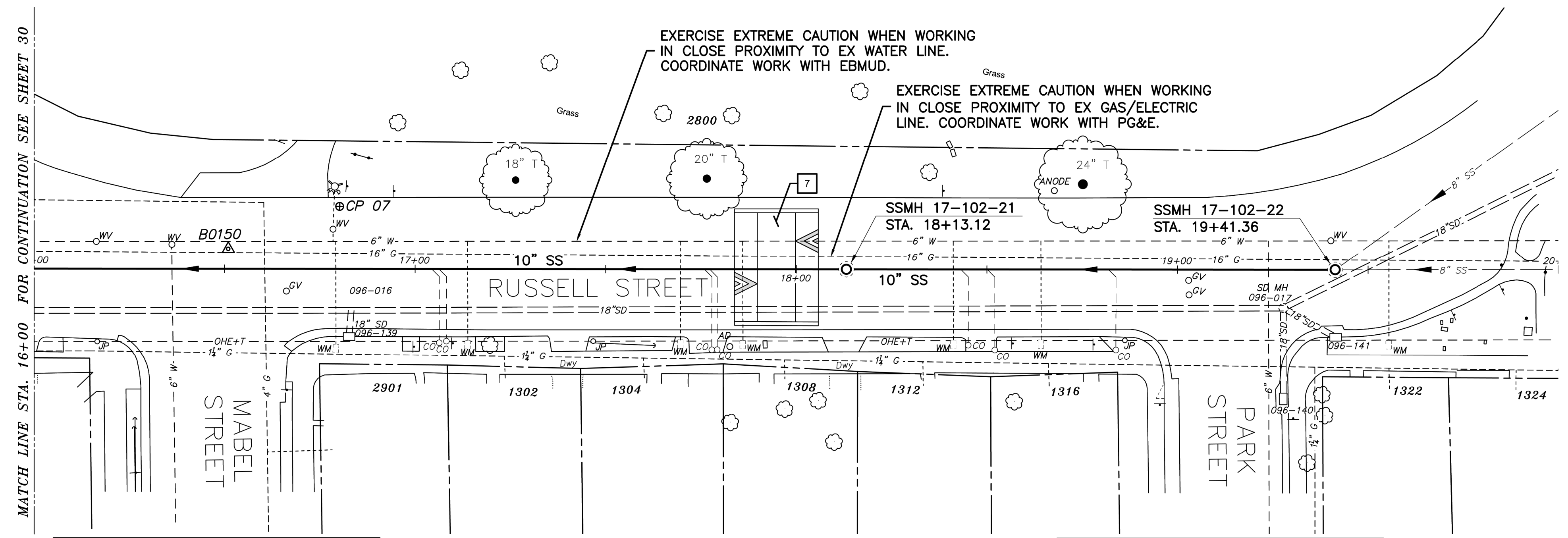
| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
| | | | | |



PROFILE

KEYNOTES

7 RECONSTRUCT PORTIONS OF THE EX SPEED TABLE IF REMOVED/DAMAGED BY SEWER INSTALLATION. REFER TO CITY OF BERKELEY STANDARD PLAN NO. 8208.



PLAN

- NOTES:**
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SANITARY SEWER LAYOUT - RUSSELL

| STATION | NORTHING | EASTING | BEARING | DISTANCE | DESCRIPTION |
|----------|------------|------------|----------------|----------|--------------|
| 16+00.00 | 2138366.73 | 6046559.99 | N79°07'53.89"E | 213.079 | MATCH LINE |
| 18+13.08 | 2138406.91 | 6046769.24 | N79°07'32.56"E | 128.245 | MH 17-102-21 |
| 19+41.32 | 2138431.10 | 6046895.19 | N79°07'45.36"E | 58.676 | MH 17-102-22 |
| 20+00.00 | 2138442.28 | 6046952.79 | --- | --- | MATCH LINE |

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FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT: _____

HORIZ. 1"=20'
VERT. 1"=5'
BOOK _____
DATE 12/14/23

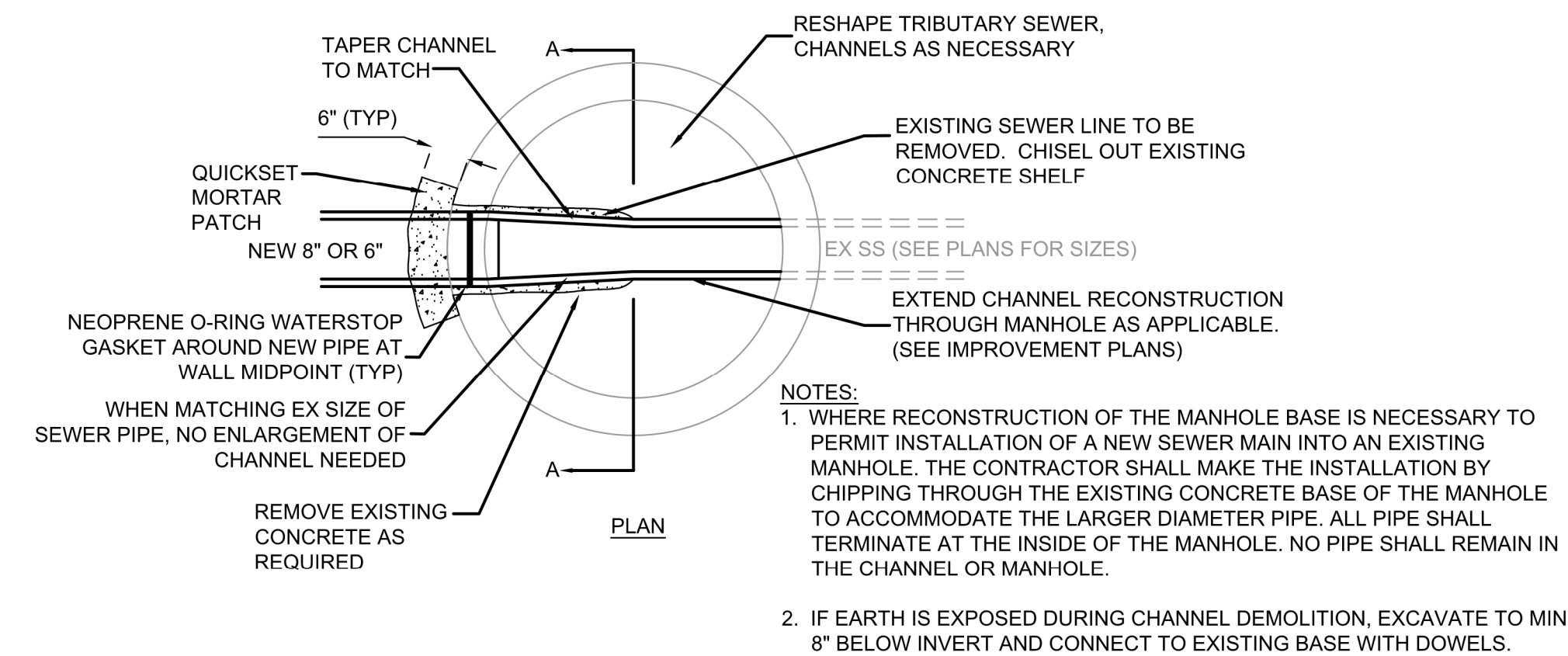
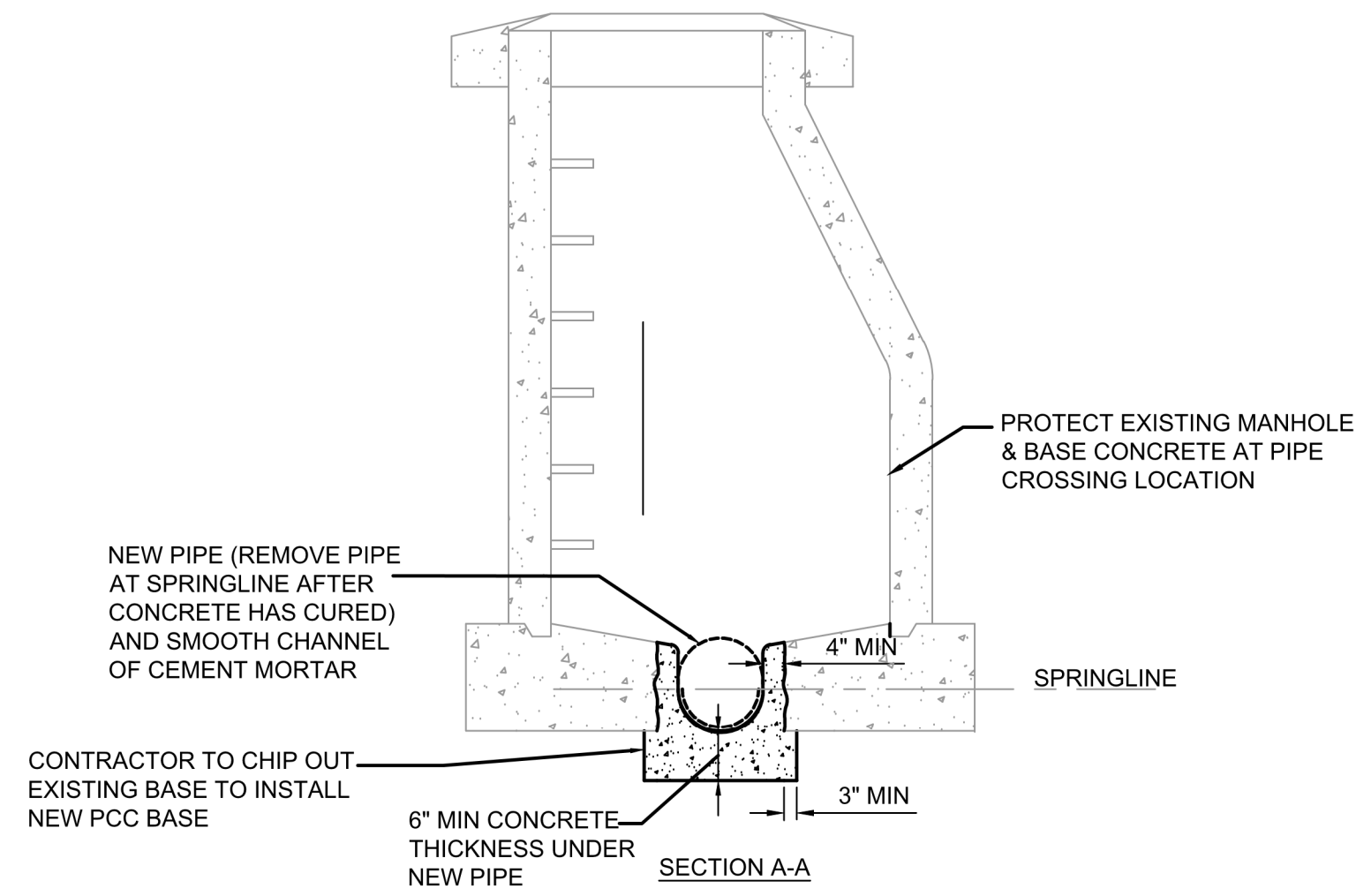
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
RUSSELL STREET
10" SS
PLAN AND PROFILE

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 31 OF 35

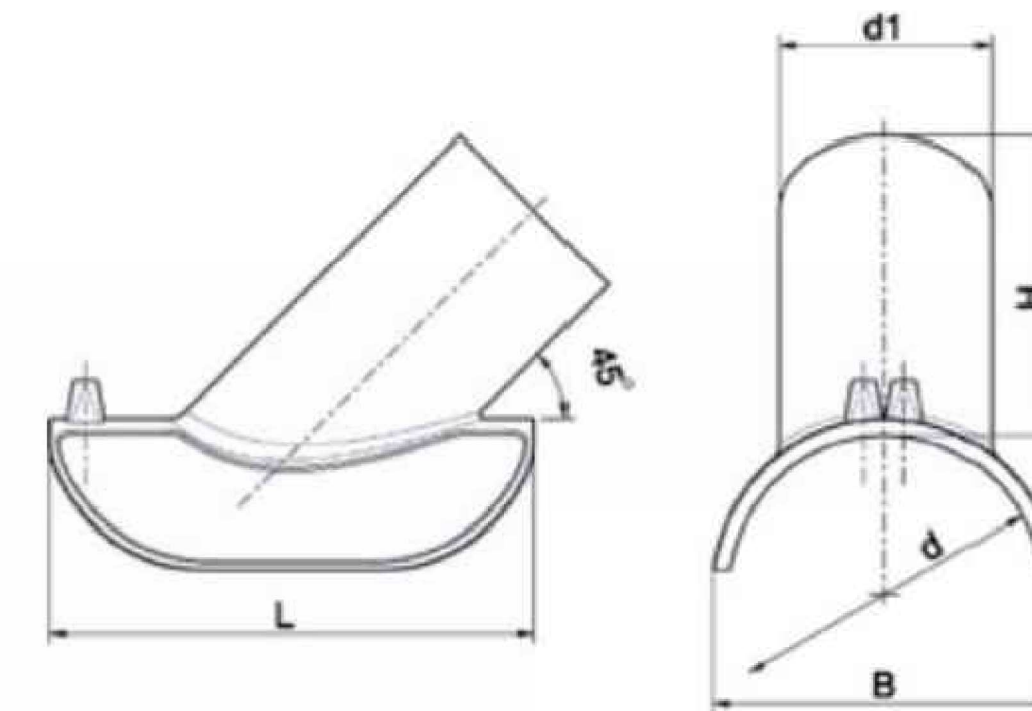
| APPROVAL | DESCRIPTION | DATE | MARK | REVISION |
|----------|-------------|------|------|----------|
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RECONSTRUCTION OF MANHOLE BASE
SCALE: NTS

1

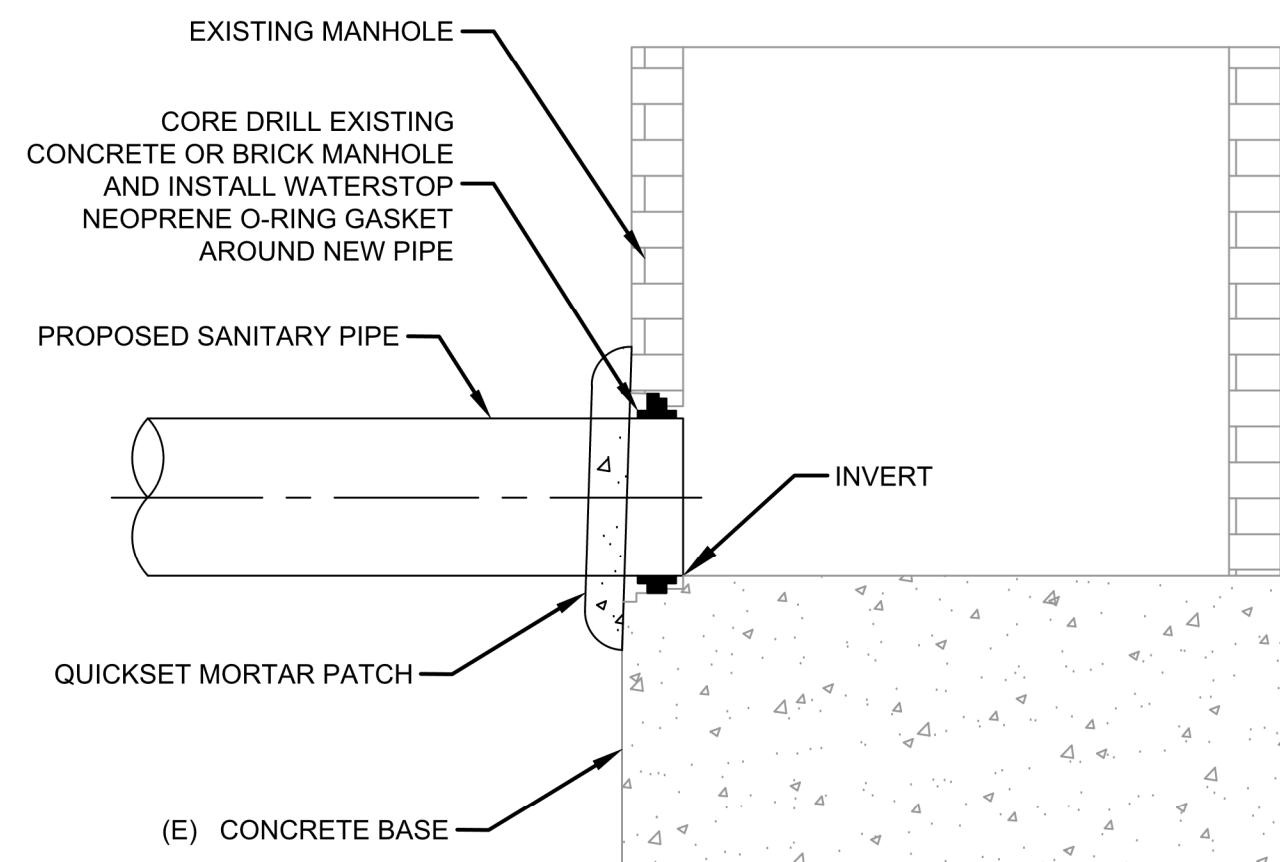


NOTES:

- ELECTROFUSION SADDLE WYE INLET SHALL BE USED FOR ALL LATERAL CONNECTIONS TO SEWER MAIN UNLESS OTHERWISE NOTED ON PLANS
- PRODUCT SHALL BE PLASSON IPS AND DIPS WASTEWATER SADDLE 45° WYE INLET, OR APPROVED EQUAL.

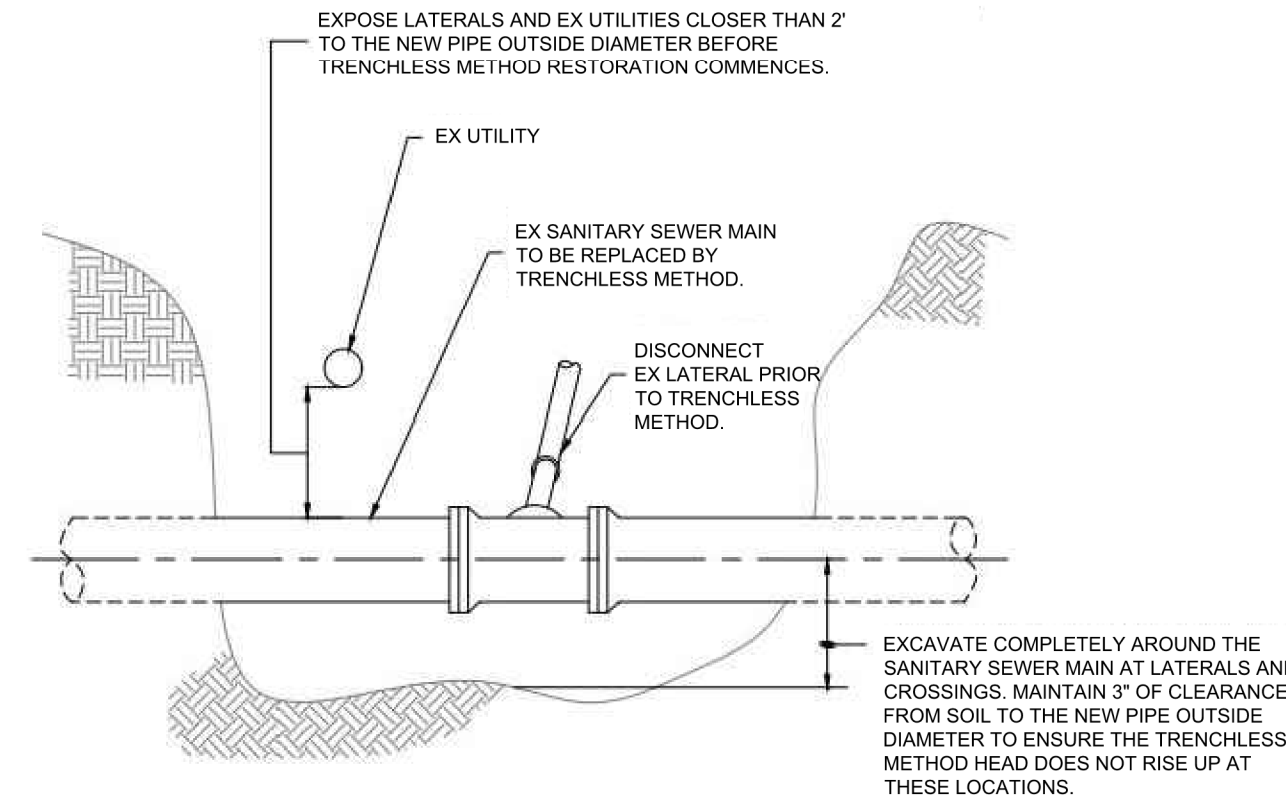
ELECTROFUSION SADDLE WYE INLET SEWER LATERAL CONNECTION
SCALE: NTS

2



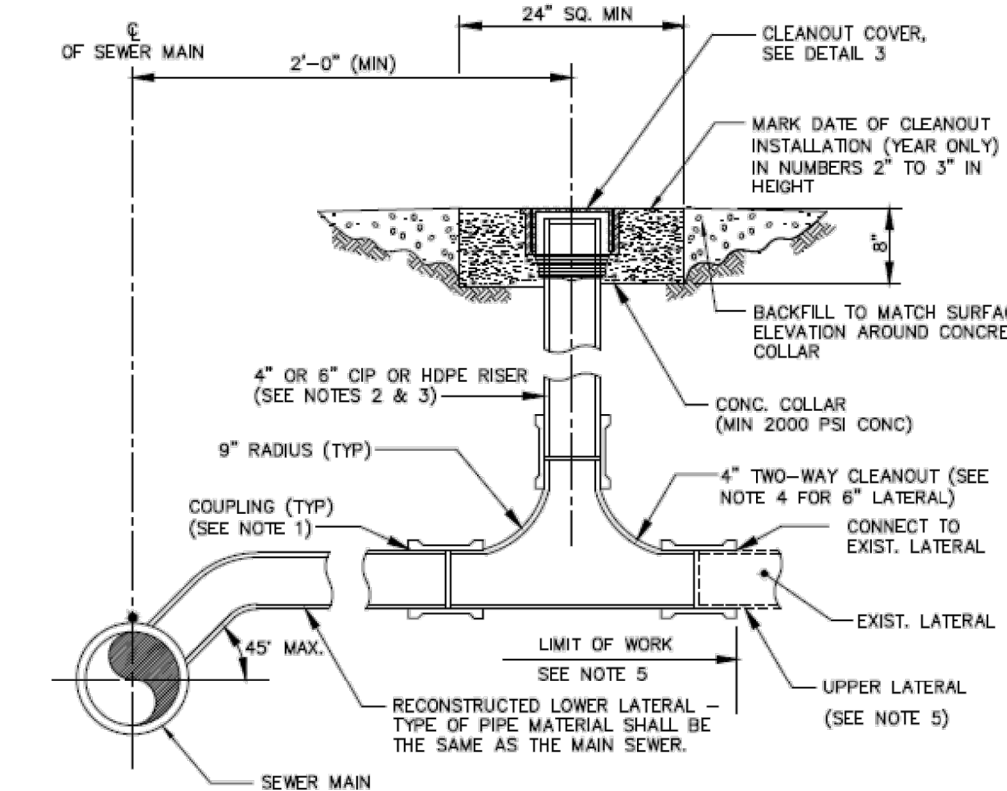
SEWER CONNECTION TO EXISTING MANHOLE
SCALE: NTS

3



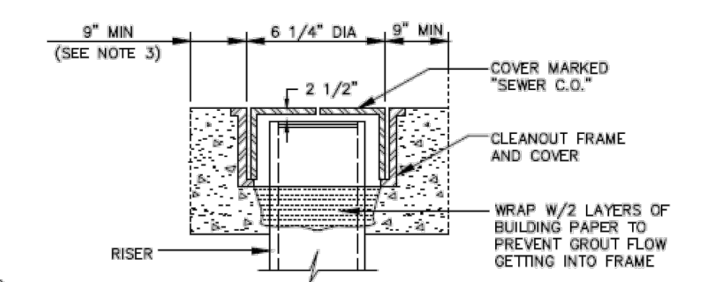
PIPE REAMING (TRENCHLESS METHOD) CLEARANCE
SCALE: NTS

4



LOWER LATERAL RECONSTRUCTION
SCALE: NTS

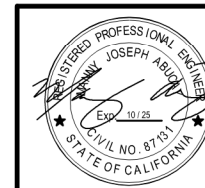
5



CLEANOUT COVER
SCALE: NTS

6

FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



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Intelligent Infrastructure

PROJECT MANAGER: _____ DATE _____
DEPICTION OF MONUMENTS: _____ DATE _____
SURVEY PARTY CHIEF _____
WATERSHED REVIEW: _____ DATE _____

EXCAVATE COMPLETELY AROUND THE SANITARY SEWER MAIN AT LATERALS AND CROSSINGS, MAINTAIN 3\"/>

SUBMITTED: _____ DATE _____
SUPERVISING CIVIL ENGINEER _____
APPROVED: _____ DATE _____
CITY ENGINEER _____

DESIGN: MA _____
DRAWN: JB _____
CHECK: TH _____
AS BUILT: _____
HORIZ. _____
VERT. _____
BOOK _____
DATE: 12/14/23

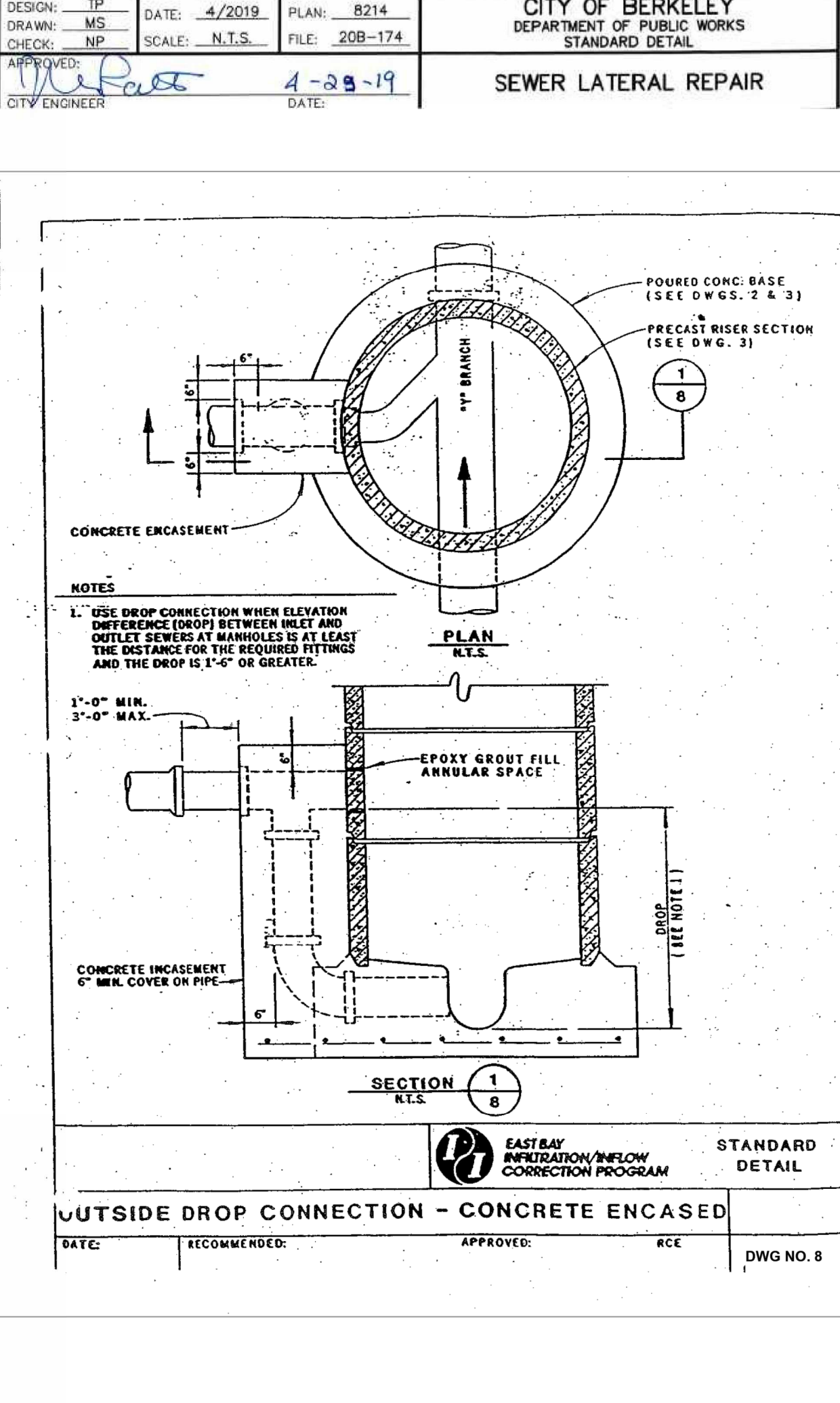
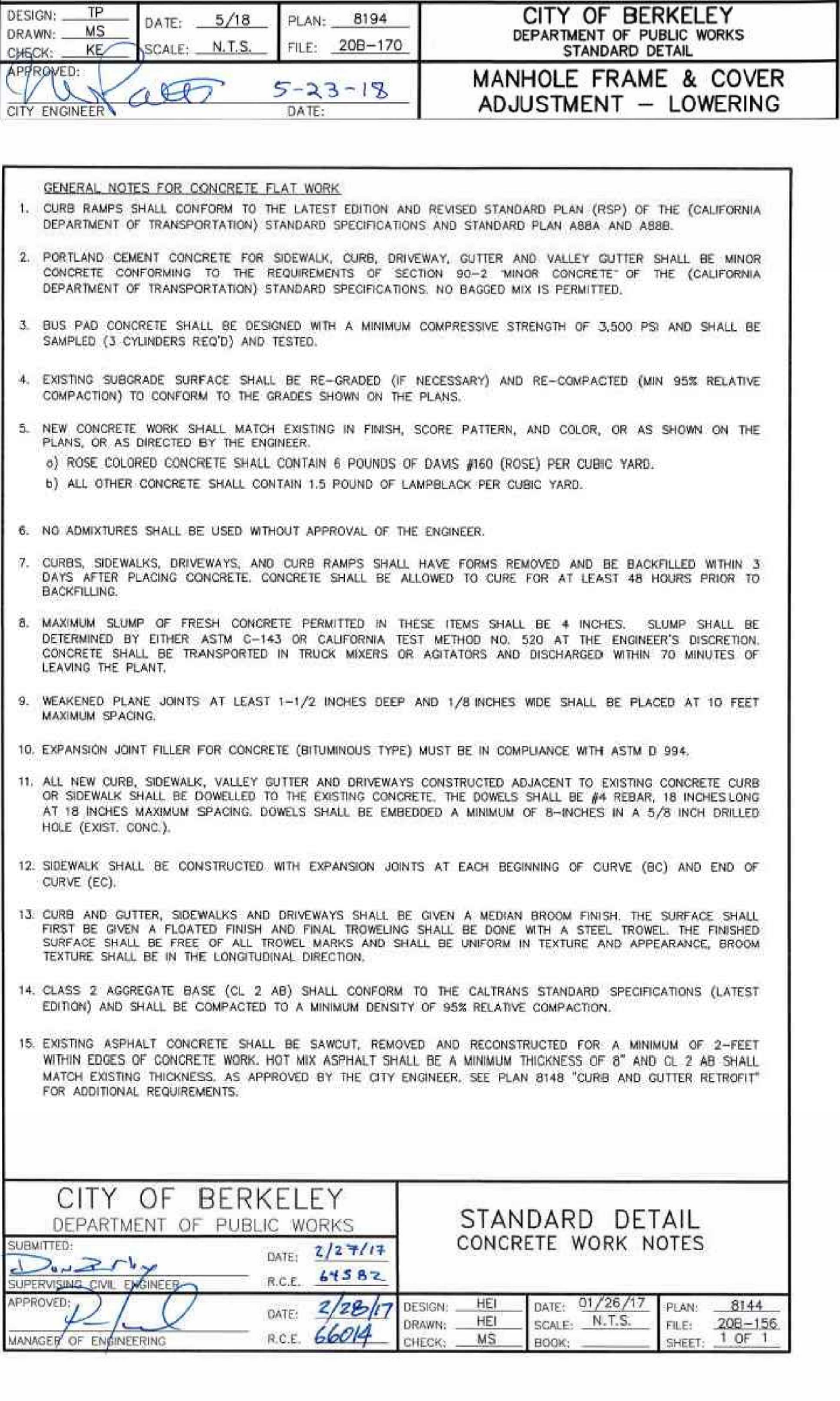
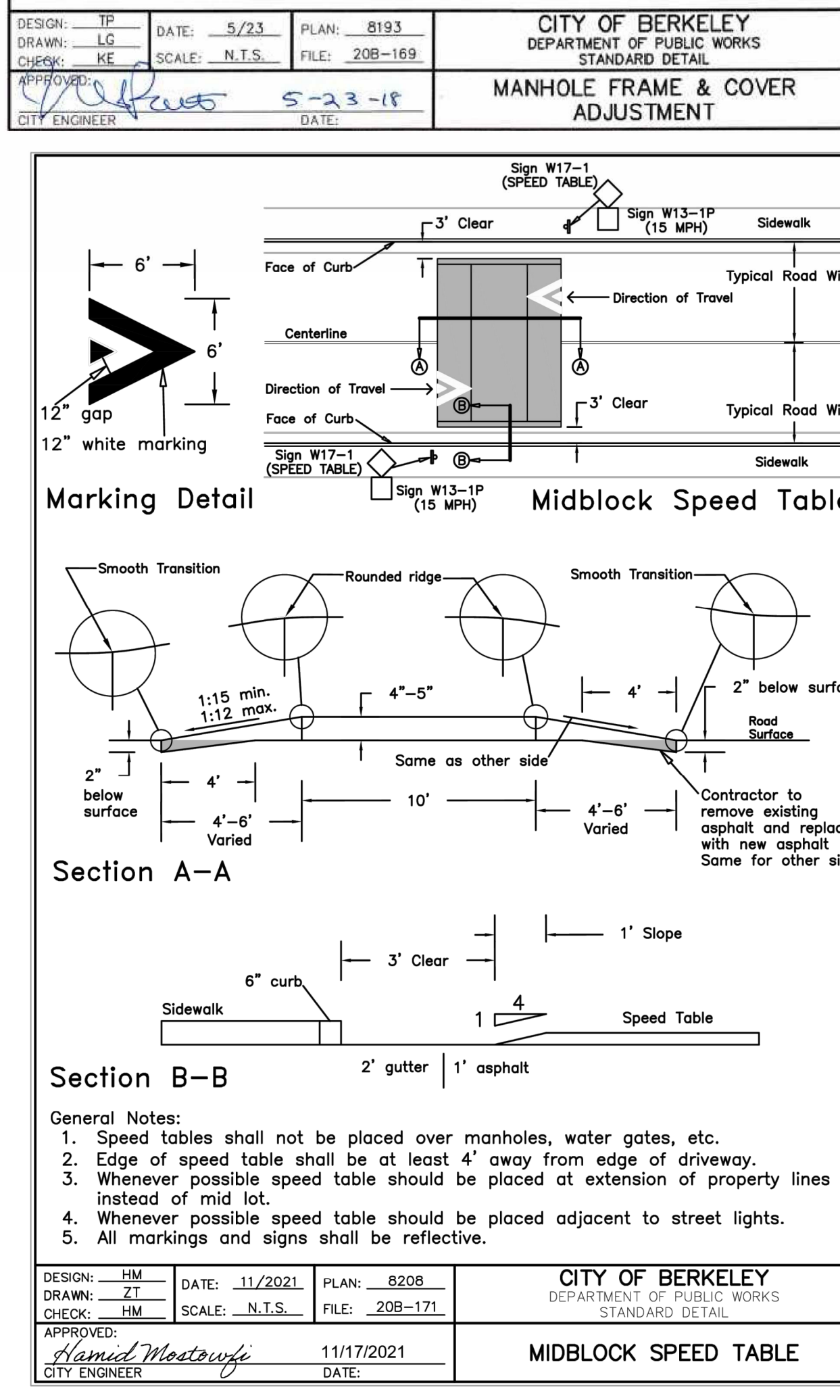
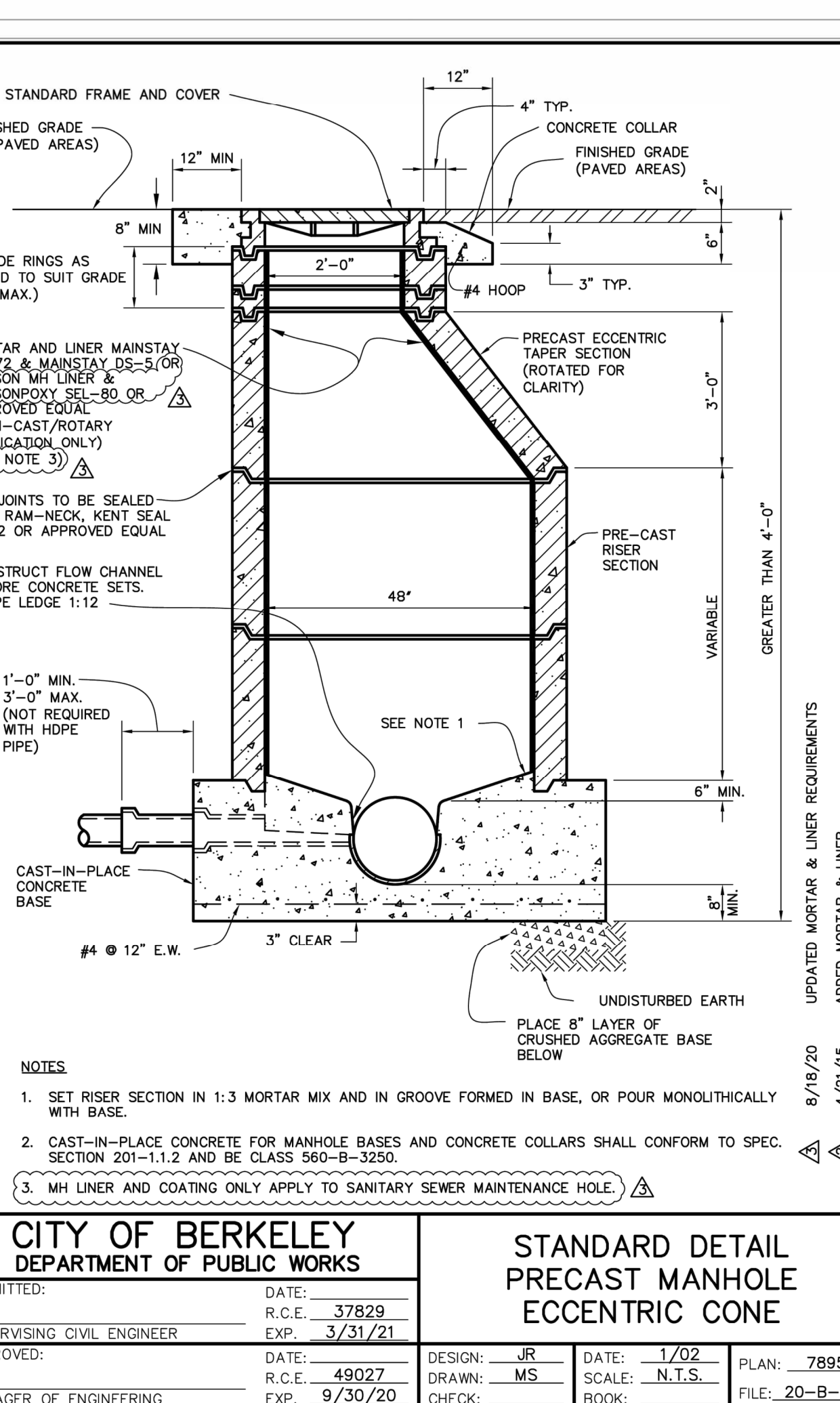
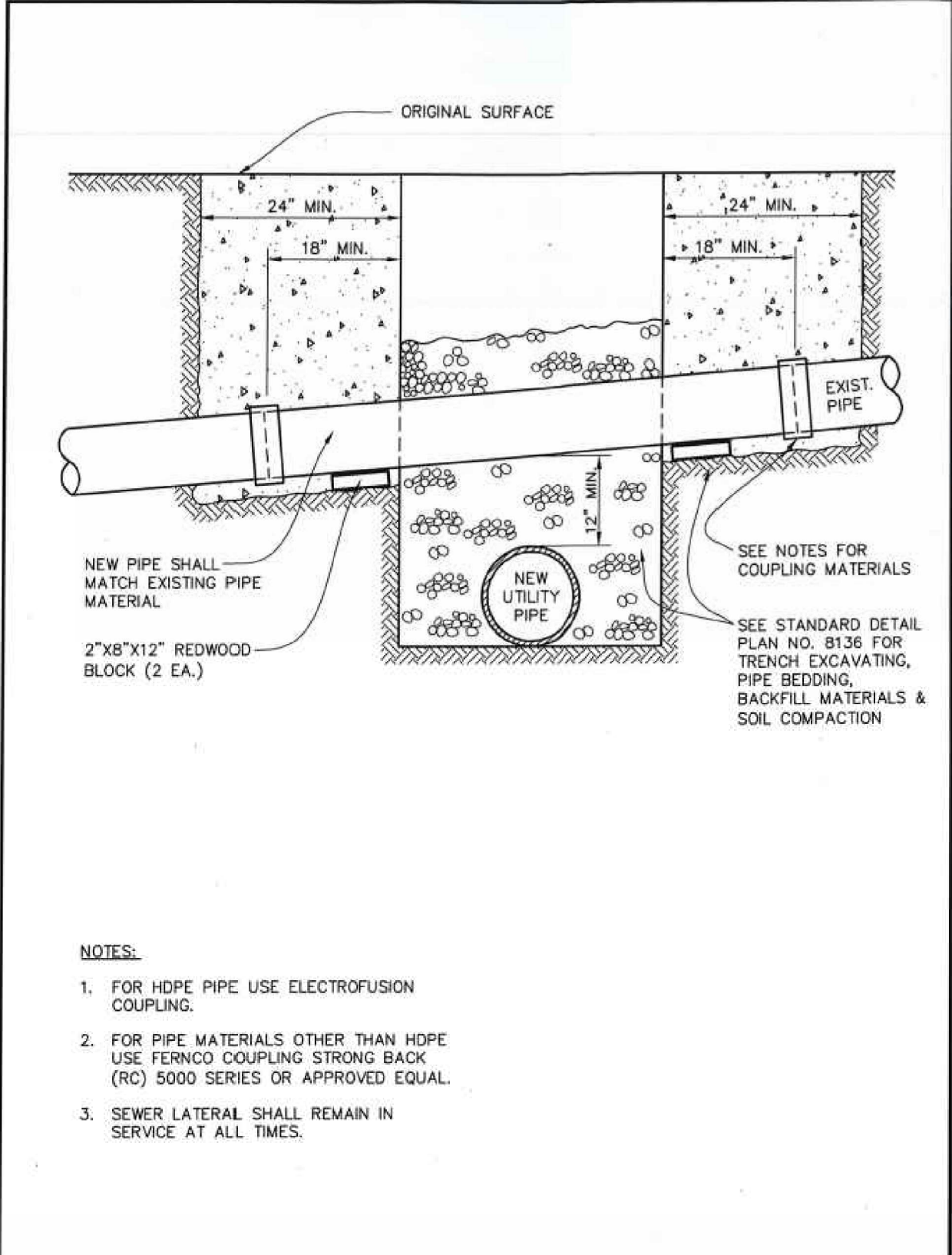
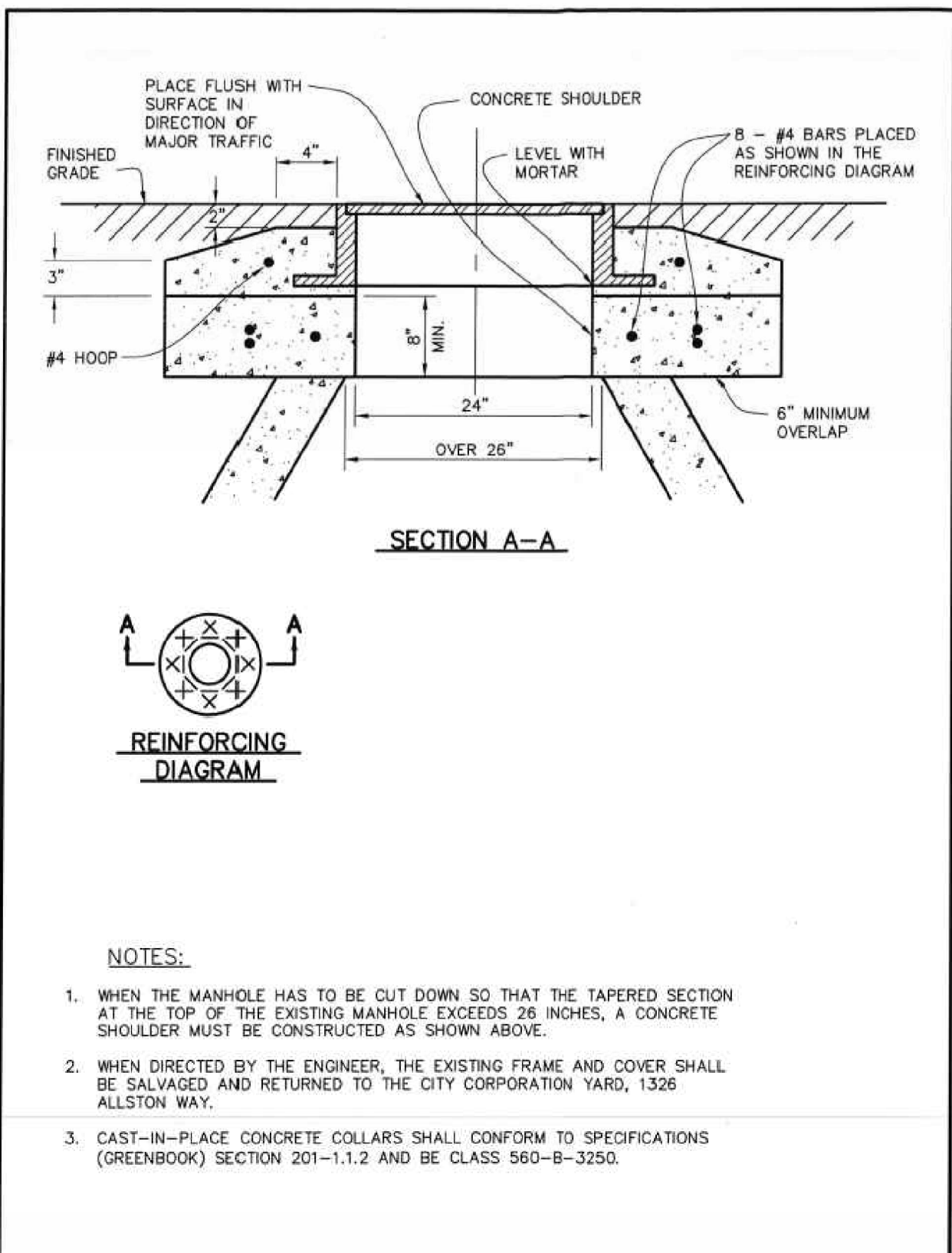
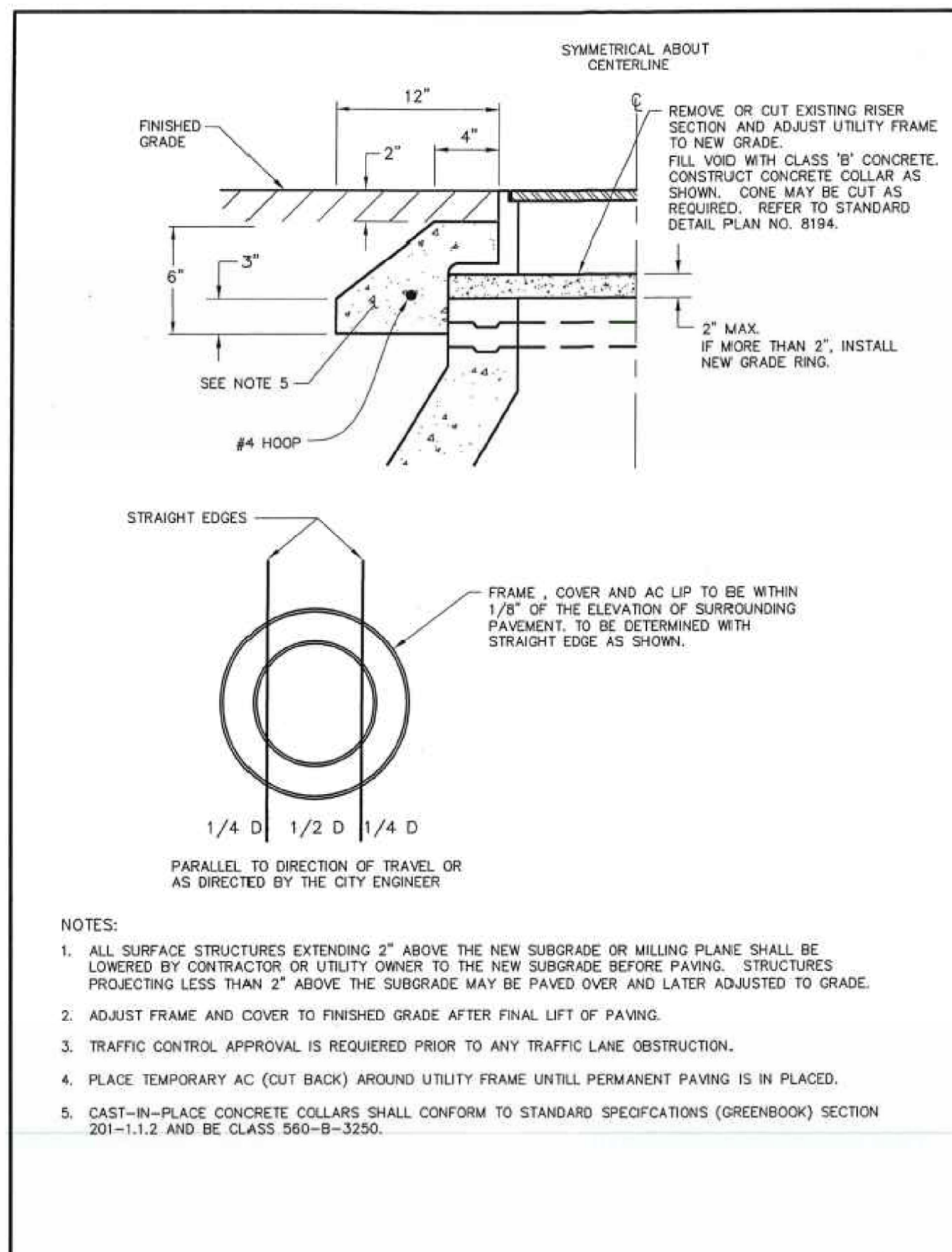
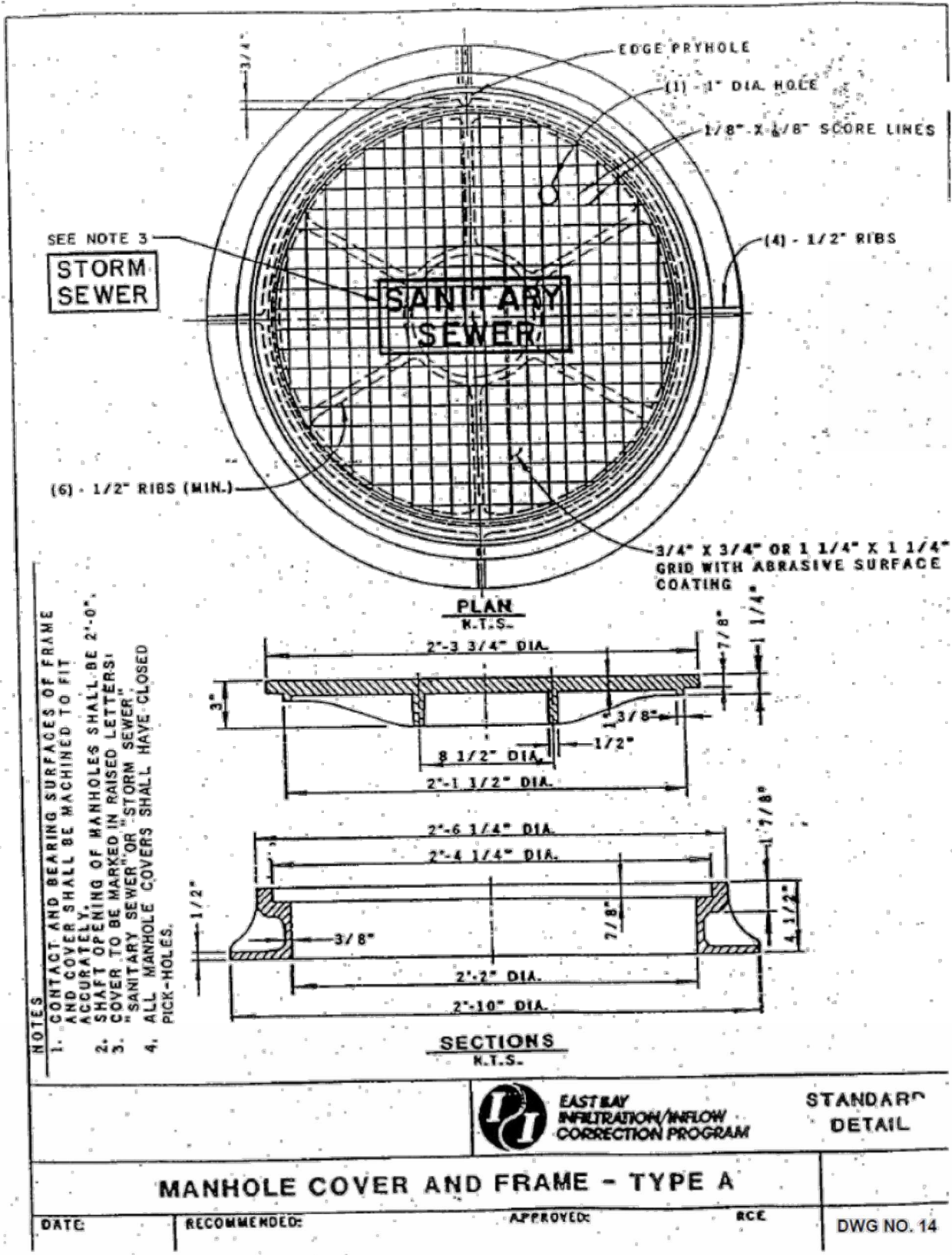
CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
DETAILS
LOCATION MAP & INDEX OF DRAWINGS

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 32 OF 35

| REVISION | MARK | DATE | DESCRIPTION | APPROVAL |
|----------|------|------|-------------|----------|
| | | | | |

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| | | | |
|--|---------------|--|--|
| CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS | | STANDARD DETAIL PRECAST MANHOLE ECCENTRIC CONE | |
| DESIGNED: JR | DATE: 1/02 | PLANNED: 7895 | |
| DRAWN: MS | SCALE: N.T.S. | FILE: 20-B-147 | |
| CHECKED: MS | BOOK: N.T.S. | | |

| | | | |
|--|---------------|---|--|
| CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS | | STANDARD DETAIL MIDBLOCK SPEED TABLE | |
| DESIGNED: HM | DATE: 11/2021 | PLANNED: 8208 | |
| DRAWN: ZT | SCALE: N.T.S. | FILE: 20B-171 | |
| CHECKED: HM | BOOK: N.T.S. | | |

| | | | |
|--|----------------|--|--|
| CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS | | STANDARD DETAIL CONCRETE WORK NOTES | |
| DESIGNED: HEI | DATE: 01/26/17 | PLANNED: 8144 | |
| DRAWN: HEI | SCALE: N.T.S. | FILE: 20B-156 | |
| CHECKED: MS | BOOK: N.T.S. | SHEET: 1 OF 1 | |

| | | | |
|--|----------------|---|--|
| CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS | | STANDARD DETAIL OUTSIDE DROP CONNECTION - CONCRETE ENCASED | |
| DESIGNED: HEI | DATE: 01/26/17 | PLANNED: 8144 | |
| DRAWN: HEI | SCALE: N.T.S. | FILE: 20B-156 | |
| CHECKED: MS | BOOK: N.T.S. | SHEET: 1 OF 1 | |

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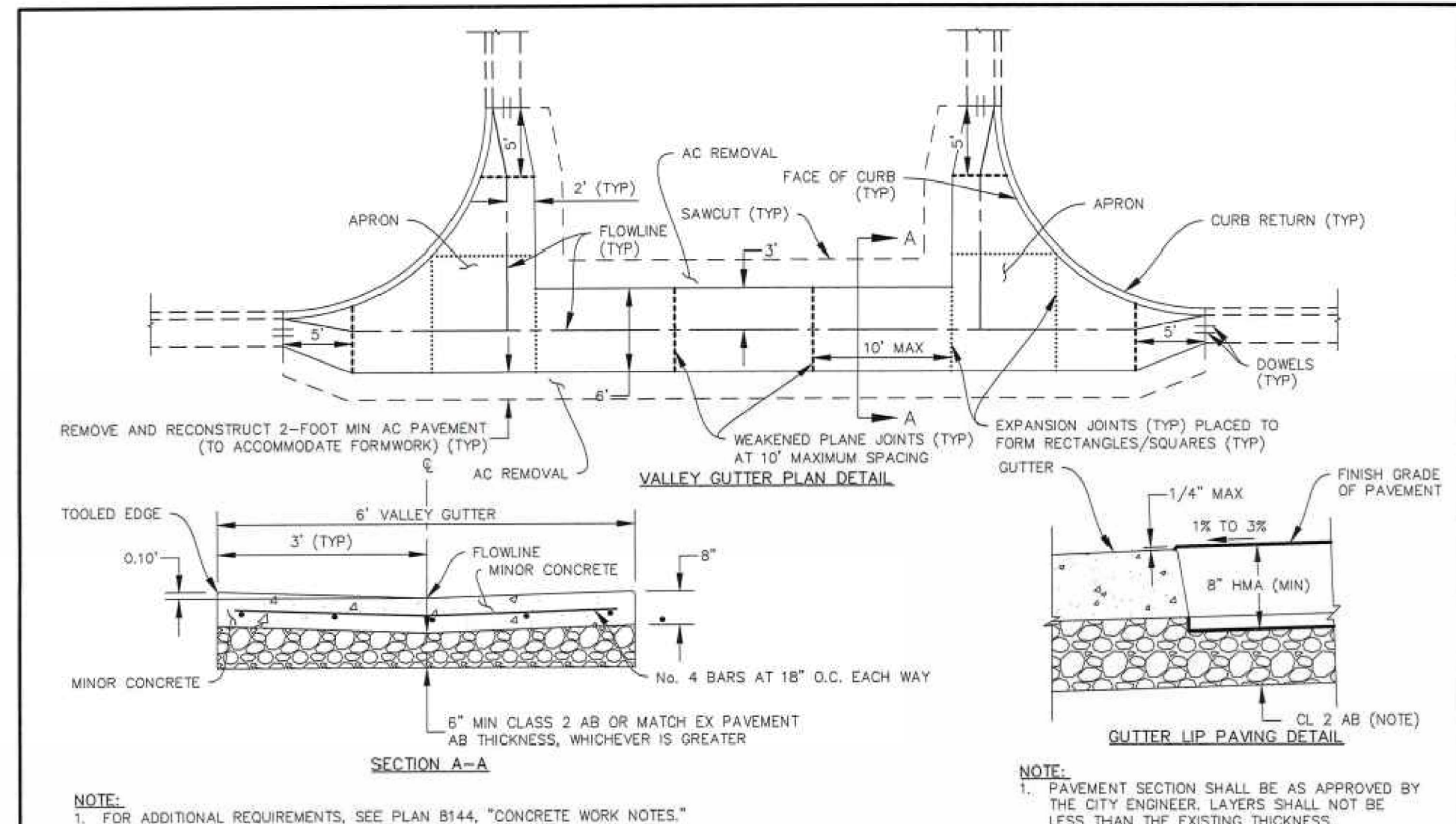
| | | | | | | | | | |
|---------------------|-------|-------------------------|-------|----------------|-------|-----------|----|---------|----------|
| PROJECT MANAGER: | DATE: | DEPICTION OF MONUMENTS: | DATE: | SUBMITTED: | DATE: | DESIGN: | MA | HORIZ.: | |
| SURVEY PARTY CHIEF: | | WATERSHED REVIEW: | DATE: | APPROVED: | DATE: | DRAWN: | JB | VERT.: | |
| | | | | CITY ENGINEER: | DATE: | CHECK: | TH | BOOK: | |
| | | | | | DATE: | AS BUILT: | | DATE: | 12/14/23 |

CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
DETAILS
LOCATION MAP & INDEX OF DRAWINGS

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 33 OF 35

K:\Projects\2023\230048 Berkeley Sewer Rehab\DWG\03 - Plan Sheets\39 DETAILS.dwg [34 C13.2] 12-14-23 01:46:09 PM thodge



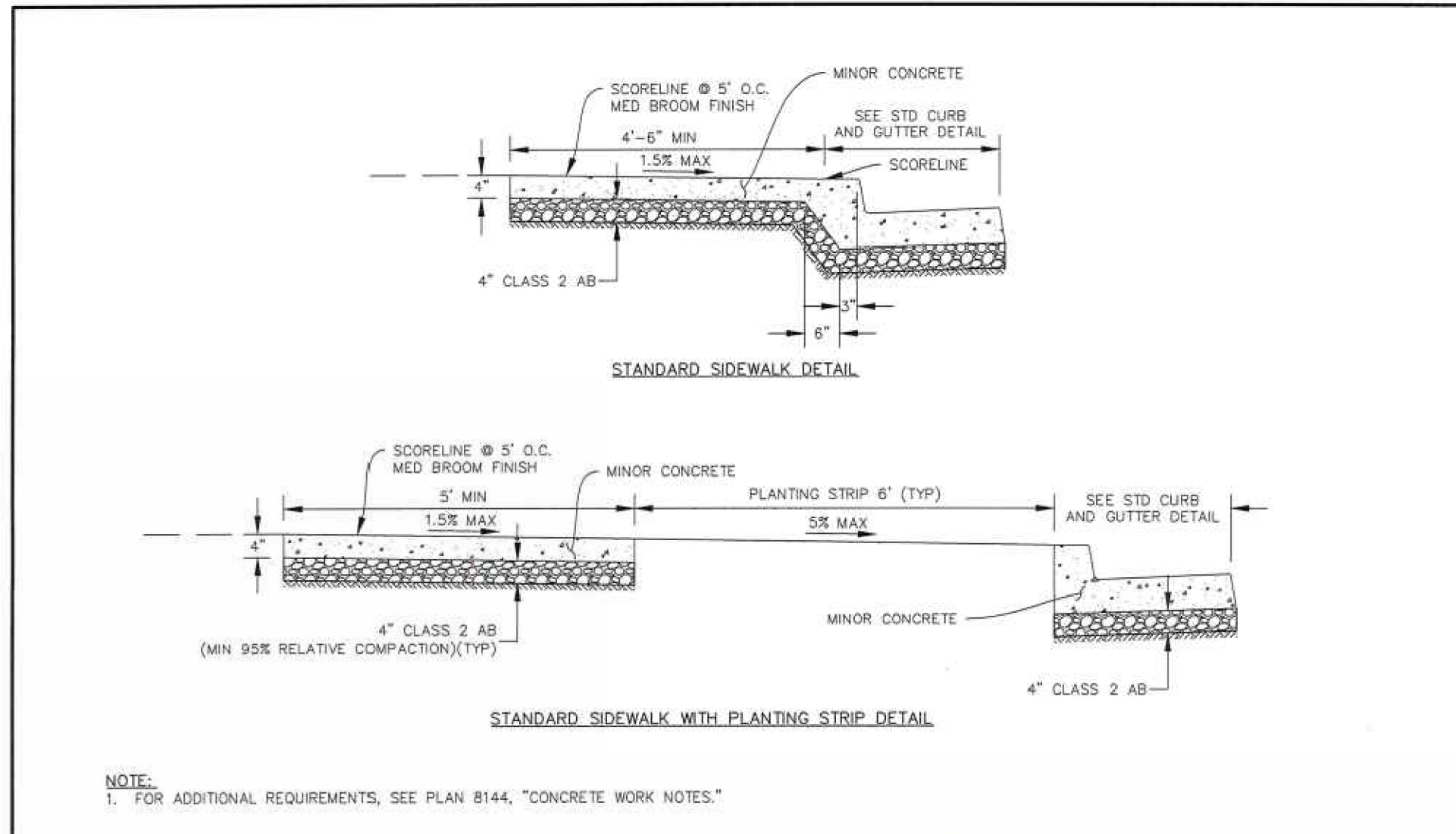
STANDARD DETAIL VALLEY GUTTER

SUBMITTED: *Danzon* DATE: 2/27/17
 SUPERVISING CIVIL ENGINEER R.C.E. 64582

APPROVED: *PLO* DATE: 2/28/17
 MANAGER OF ENGINEERING R.C.E. 66014

CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS

DESIGN: HEI DATE: 01/26/17 PLAN: 8149
 DRAWN: HEI SCALE: N.T.S. FILE: 20B-161
 CHECK: MS BOOK: SHEET: 1 OF 1



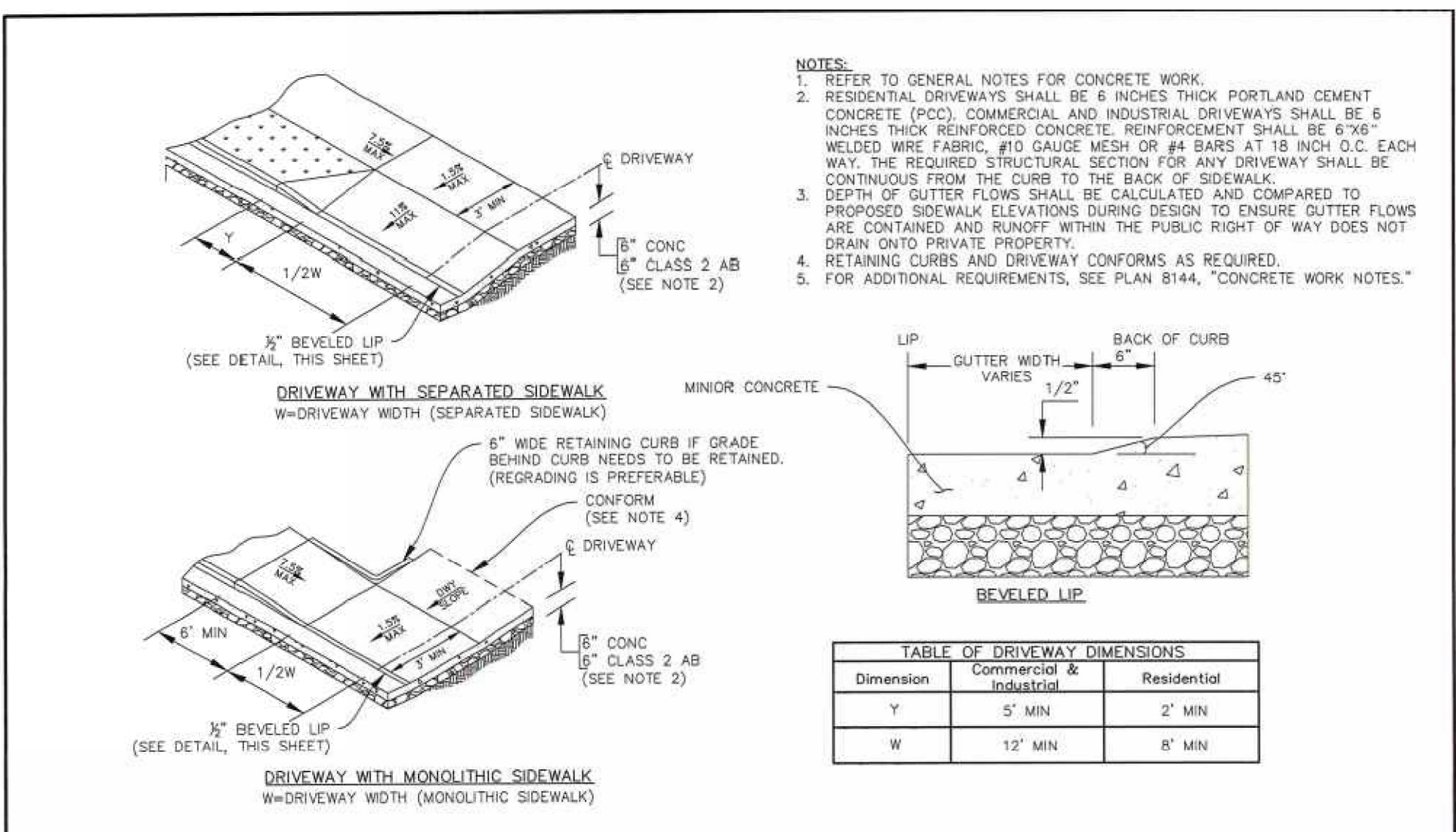
STANDARD DETAIL SIDEWALK

SUBMITTED: *Danzon* DATE: 2/27/17
 SUPERVISING CIVIL ENGINEER R.C.E. 64582

APPROVED: *PLO* DATE: 2/28/17
 MANAGER OF ENGINEERING R.C.E. 66014

CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS

DESIGN: HEI DATE: 01/26/17 PLAN: 8153
 DRAWN: HEI SCALE: N.T.S. FILE: 20B-165
 CHECK: MS BOOK: SHEET: 1 OF 1



STANDARD DETAIL DRIVEWAY

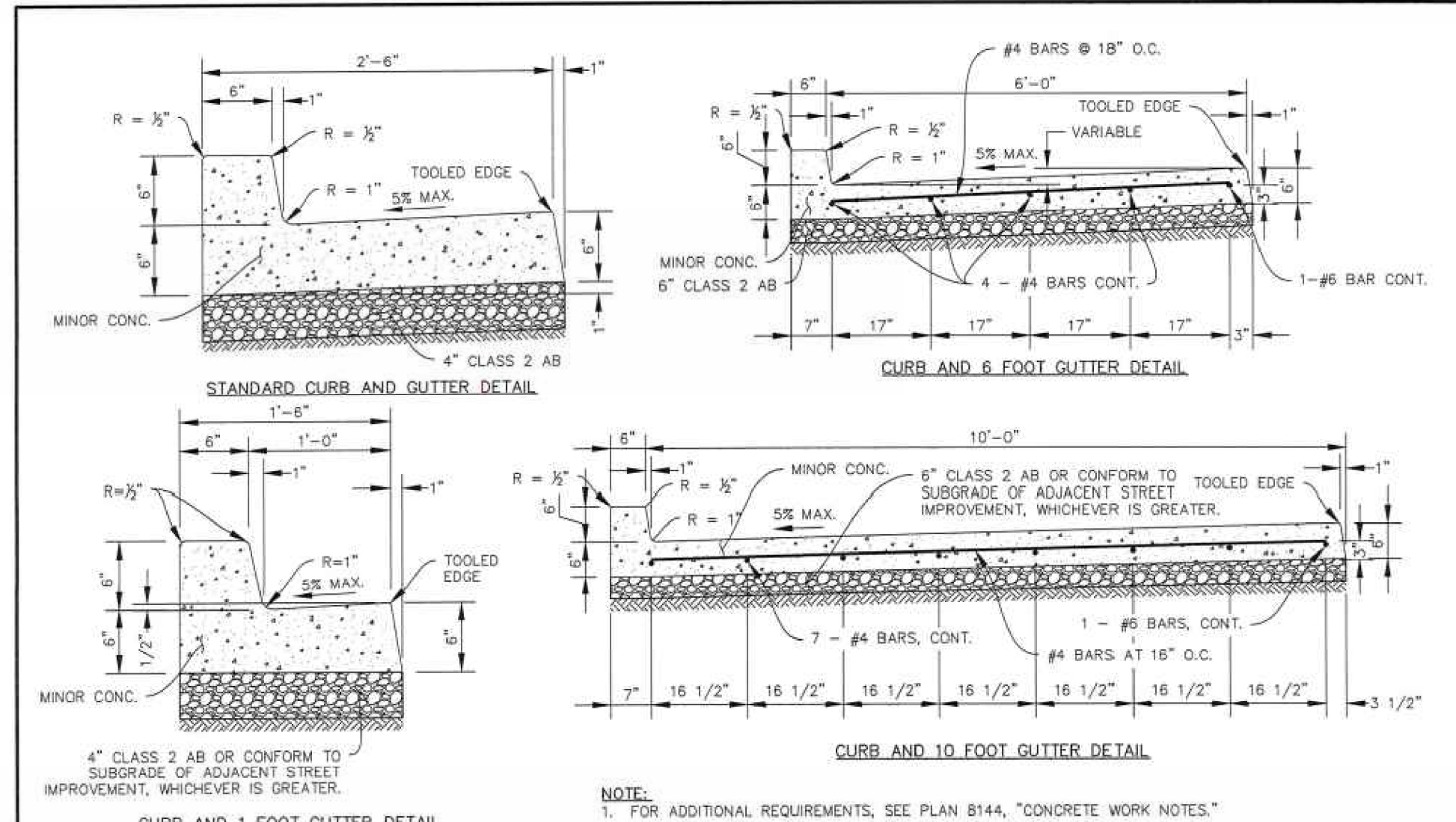
SUBMITTED: *Danzon* DATE: 2/27/17
 SUPERVISING CIVIL ENGINEER R.C.E. 64582

APPROVED: *PLO* DATE: 2/28/17
 MANAGER OF ENGINEERING R.C.E. 66014

CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS

DESIGN: HEI DATE: 01/26/17 PLAN: 8151
 DRAWN: HEI SCALE: N.T.S. FILE: 20B-163
 CHECK: MS BOOK: SHEET: 1 OF 1

| Dimension | Commercial & Industrial | Residential |
|-----------|-------------------------|-------------|
| Y | 5' MIN | 2' MIN |
| W | 12' MIN | 8' MIN |



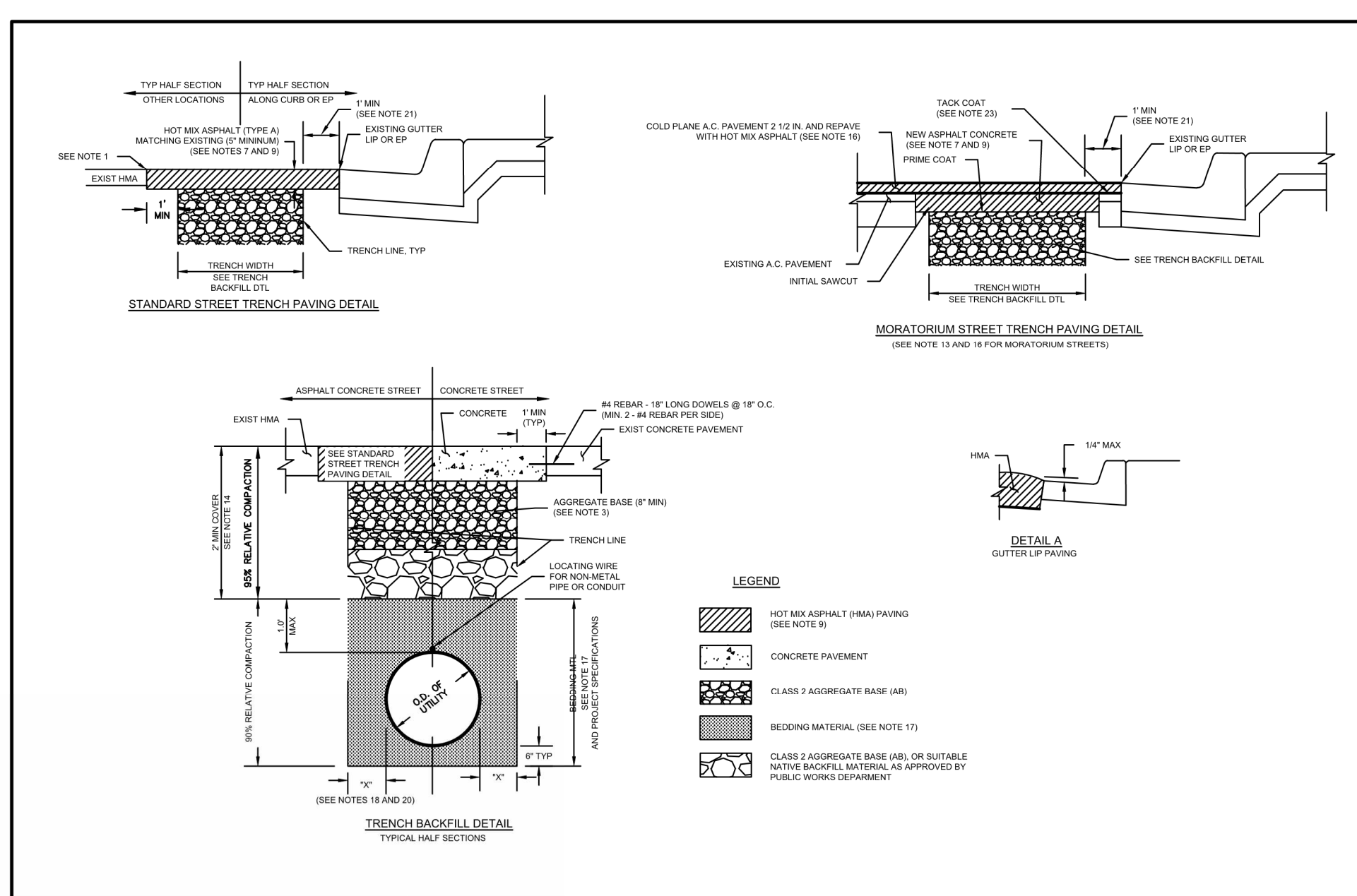
STANDARD DETAIL CURB AND GUTTER

SUBMITTED: *Danzon* DATE: 2/27/17
 SUPERVISING CIVIL ENGINEER R.C.E. 64582

APPROVED: *PLO* DATE: 2/28/17
 MANAGER OF ENGINEERING R.C.E. 66014

CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS

DESIGN: HEI DATE: 01/26/17 PLAN: 8145
 DRAWN: HEI SCALE: N.T.S. FILE: 20B-157
 CHECK: MS BOOK: SHEET: 1 OF 1



STANDARD DETAIL TRENCH EXCAVATION AND SURFACE RESTORATION

SUBMITTED: _____ DATE: _____
 SUPERVISING CIVIL ENGINEER R.C.E. _____

APPROVED: _____ DATE: _____
 MANAGER OF ENGINEERING R.C.E. _____

CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS

DESIGN: _____ DATE: 02/2016 PLAN: 8136
 DRAWN: _____ SCALE: _____ FILE: 20-B-155
 CHECK: _____ BOOK: _____ SHEET: 1 OF 2

- NOTES:
- TRENCH EXCAVATION IN THE PUBLIC RIGHT OF WAY SHALL CONFORM TO THE CITY OF BERKELEY GENERAL REGULATIONS FOR TRENCH EXCAVATION AND SURFACE RESTORATION IN THE PUBLIC RIGHT OF WAY. CUT THROUGH THE FULL DEPTH OF EXISTING SURFACING TO A NEAT STRAIGHT LINE AT LEAST 1.0 FOOT OUTSIDE THE TRENCH LINE. RE-CUT PAVEMENT EDGES DAMAGED DURING CONSTRUCTION TO NEAR LINES PRIOR TO PAVING. APPLY PAINT BINDER (TACK COAT) TO ALL VERTICAL SURFACES IN ACCORDANCE WITH THE LATEST EDITION OF CALTRANS STANDARD SPECIFICATIONS.
 - MAXIMUM WIDTH OF TRENCH SHALL BE IN ACCORDANCE WITH THE DIMENSION SHOWN ON THE TRENCH BACKFILL DETAIL.
 - CLASS 2 AGGREGATE BASE (AB) SHALL BE INSTALLED IMMEDIATELY BELOW THE PAVEMENT SECTION TO BE REPLACED. THE AB QUALITY, GRADATION AND THE METHOD OF INSTALLATION SHALL BE IN CONFORMANCE WITH SECTIONS 25 AND 28 OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION. THE DEPTH OF THE AB SHALL BE IN ACCORDANCE WITH THE TRENCH BACKFILL DETAIL. 5% RELATIVE COMPACTION IS REQUIRED.
 - RELATIVE COMPACTION SHALL BE DETERMINED BY CALIFORNIA TEST NUMBER 216 (NUCLEAR GAUGE) OR APPROVED EQUIVALENT. PERMITTEE SHALL ARRANGE AND PAY FOR THE TEST FOR RELATIVE COMPACTION WHEN ORDERED BY THE ENGINEER. THE TEST SHALL BE CONDUCTED BY A QUALIFIED MATERIAL TESTING LABORATORY AND TEST RESULTS BE SUBMITTED TO ENGINEERING DEPARTMENT IN ADVANCE OF PERMANENT PAVING OPERATION.
 - PERMITTEE SHALL PLACE TEMPORARY BITUMINOUS RESURFACING TWO (2) INCHES IN THICKNESS OVER THE COMPACTED BACKFILL AREAS. GREATER THICKNESS MAY BE REQUIRED FOR MAJOR INTERSECTIONS AND OTHER CRITICAL AREAS BY THE ENGINEER AS NECESSARY.
 - TEMPORARY BITUMINOUS RESURFACING (TACK COAT) SHALL BE MECHANICALLY COMPACTED IN PLACE TO A UNIFORM, EVEN SURFACE AND SHALL BE TRUE TO STREET GRADE OR CROSS SECTION. THE PERMITTEE SHALL REGULARLY INSPECT AND MAINTAIN THE TEMPORARY BITUMINOUS RESURFACING UNTIL THE EXCAVATION IS PERMANENTLY CONCRETE OR PAVED. THE SURFACING SHALL NOT VARY TO MORE THAN 1/2" FROM THE EDGE OF A 10 FOOT STRAIGHT EDGE. UPON NOTIFICATION, THE PERMITTEE SHALL CORRECT THE SURFACE DEFICIENCY WITHIN 48 HOURS. LOOSE ROCKS AND OTHER DEBRIS GENERATED FROM TEMPORARY RESURFACING OPERATIONS SHALL BE IMMEDIATELY REMOVED FROM THE WORKSITE.
 - TEMPORARY BITUMINOUS RESURFACING SHALL BE REMOVED BEFORE PLACEMENT OF FINAL PAVING. FINAL PAVING SHALL BE MINIMUM FIVE (5) INCHES THICK OR SAME AS THE EXISTING PAVEMENT, WHICHEVER IS GREATER. THE PAVEMENT SHALL BE PLACED ON UNDISTURBED PREVIOUSLY COMPACTED BACKFILL AREAS.
 - PAVEMENT OUTSIDE OF THE FINAL CUT LINE DAMAGED BY THE PERMITTEE'S OPERATIONS SHALL BE REMOVED BY SAW-CUTTING IN LINES PERPENDICULAR OR PARALLEL TO THE ORIGINAL TRENCH LINES. NO DIAGONAL CUTS WILL BE PERMITTED.
 - HOT MIX ASPHALT (HMA) SHALL BE 1/2" IN CONFORMANCE WITH SECTION 39 OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED IN THE ENCROACHMENT PERMIT CONDITIONS OR AS DIRECTED BY THE PUBLIC WORKS DEPARTMENT.
 - THE TOP 2" OF ASPHALT CONCRETE PAVEMENT SHALL HAVE A MINIMUM AGGREGATE SIZE OF 3/8". THE ASPHALT CONCRETE BENEATH THE TOP LAYER SHALL HAVE A MAXIMUM AGGREGATE SIZE OF 3/4".
 - UPON COMPLETION OF PAVING OPERATIONS THE PERMITTEE SHALL IMMEDIATELY REPLACE ALL PAVEMENT MARKING AND TRAFFIC STRIPING DAMAGED OR REMOVED BY HIS OPERATIONS. PAVEMENT MARKINGS AND TRAFFIC STRIPING SHALL BE REPLACED IN HAND OR WITH SUBSTITUTE MATERIAL APPROVED BY THE ENGINEER.
 - WHEN ANY PORTION OF THE CURB OR A LEGAL PEDESTRIAN CROSSWALK OR ANY PORTION OF THE SIDEWALK IN IMMEDIATE CONTACT WITH SUCH CURB IS REMOVED BY THE PERMITTEE OPERATIONS, THE PERMITTEE SHALL CONSTRUCT, AS PART OF HIS REPLACEMENT OPERATIONS, A HANDICAP ACCESS RAMP AS SHOWN IN THE CITY OF BERKELEY STANDARD DETAIL FOR WHEEL CHAIR RAMPS, PLAN 810.
 - EXCAVATION ON STREETS RECONSTRUCTED OR RESURFACED WITHIN THE LAST 5 YEARS WILL NOT BE PERMITTED EXCEPT FOR CONDITIONS ENUMERATED IN THE CITY OF BERKELEY GENERAL REGULATIONS AND FOR TRENCH EXCAVATION AND SURFACE RESTORATION IN THE PUBLIC RIGHT OF WAY.
 - MINIMUM COVER OVER UTILITIES IS GOVERNED BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION. UTILITY OWNERS SHALL CONSIDER PLACING THEIR UTILITY LINE AT A GREATER DEPTH TO AVOID FUTURE RELOCATION DUE TO STREETROAD RECONSTRUCTION. THE INCREASED DEPTH SHOULD INCLUDE SUFFICIENT CLEARANCE BETWEEN THE UTILITY AND PAVEMENT STRUCTURAL SECTION UPWARD TO PREVENT DAMAGE BY CONSTRUCTION EQUIPMENT. THE PUBLIC WORKS DEPARTMENT RECOMMENDS A MINIMUM OF 36 INCHES OF COVER BELOW THE PAVEMENT SURFACE IN ROADWAYS AND 24 INCHES BELOW FINISH GRADE IN SIDEWALKS AND OTHER PUBLIC RIGHT OF WAY.
 - RESTORATION OF THE TRENCH EXCAVATION ON CALTRANS RIGHT OF WAY (SAN PABLO AVE., ASHBY AVE., AND TUNNEL RD) SHALL BE IN ACCORDANCE WITH CALTRANS ENCROACHMENT PERMIT.
 - RESTORE PAVEMENT AS FOLLOWS: FOR TRENCHES PARALLEL WITH THE CENTERLINE OF THE STREET, COLD PLANE AND REPAVE THE LANE IN WHICH THE TRENCH LIES. FOR TRANSVERSE TRENCHES, COLD PLANE AND REPAVE 1/2 LANE WIDTH ON EACH SIDE OF THE TRENCH FOR BOLL HOLES, COLD GRIND AND PAVE 1 LANE WIDTH ON EACH SIDE OF THE EXCAVATION. PRIOR TO COLD PLANING, THE TRENCH SHALL BE PAVED IN 3 INCH MAXIMUM LIFTS TO THE ORIGINAL SURFACE GRADES OR TO WITHIN 1 1/2 INCHES OF THE EXISTING SURFACE. IF THE CONTRACTOR ELECTS TO PAVE WITHIN 2 INCHES OF THE EXISTING SURFACE, THE REMAINING 2 1/2 INCHES MUST BE PAVED WITH CUT BACK ASPHALT UNTIL THE SURFACE IS PLANNED. FINAL PAVING SHALL COMMENCE WITHIN 3 DAYS AFTER COLD GRINDING. ALL LOOSE MATERIAL SHALL BE REMOVED FROM THE AREA TO BE REPAVED PRIOR TO REPAVING.
 - BEDDING MATERIAL SHALL BE CLASS 2 AB. ALTERNATIVE MATERIALS SHALL BE APPROVED BY THE PUBLIC WORKS DEPARTMENT. IN NO CASE SHALL "PEA" GRAVEL BE ALLOWED. A MAXIMUM OF 6 INCHES OF SAND MAY BE USED AS A BEDDING MATERIAL FOR COMMUNICATION, GAS AND ELECTRIC CONDUITS ONLY.
 - FOR GAS, ELECTRIC AND COMMUNICATION CONDUITS WITH AN OUTSIDE DIAMETER EQUAL TO OR LESS THAN 4 INCHES, THE TRENCH WIDTH MAY BE REDUCED TO NO LESS THAN 12 INCHES.
 - UNSATURABLE NATIVE MATERIAL SHALL BE EXCAVATED BELOW THE LIMIT OF EXCAVATION AND REPLACED WITH SUITABLE BACKFILL MATERIAL WHEN DIRECTED BY THE PUBLIC WORKS DEPARTMENT.
 - DIMENSIONS "X" IS SHOWN BELOW FOR THE UTILITY "O.D."

CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS

SUBMITTED: _____ DATE: _____
 SUPERVISING CIVIL ENGINEER R.C.E. _____

APPROVED: _____ DATE: 02/2016 PLAN: 8136
 MANAGER OF ENGINEERING R.C.E. _____ CHECK: _____ BOOK: _____ SHEET: 2 OF 2

STANDARD DETAIL TRENCH EXCAVATION AND SURFACE RESTORATION

FOR CITY USE ONLY REFERENCE SEWER MAP NO.



PROJECT MANAGER: _____ DATE: _____

DEPICTION OF MONUMENTS: _____ DATE: _____

SURVEY PARTY CHIEF: _____ DATE: _____

WATERSHED REVIEW: _____ DATE: _____

FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

SUBMITTED: _____ DATE: _____
 SUPERVISING CIVIL ENGINEER R.C.E. _____

APPROVED: _____ DATE: _____
 CITY ENGINEER R.C.E. _____

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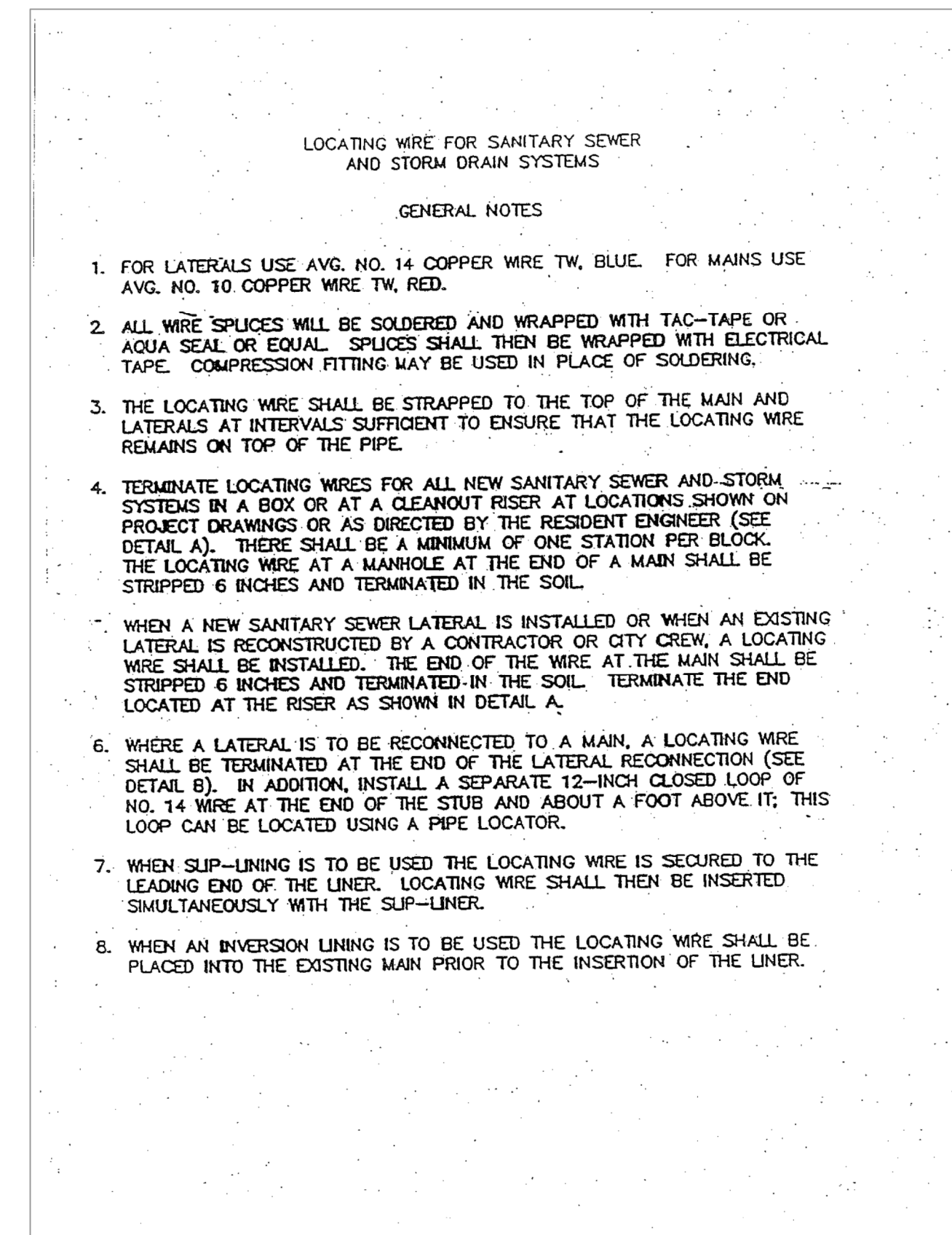
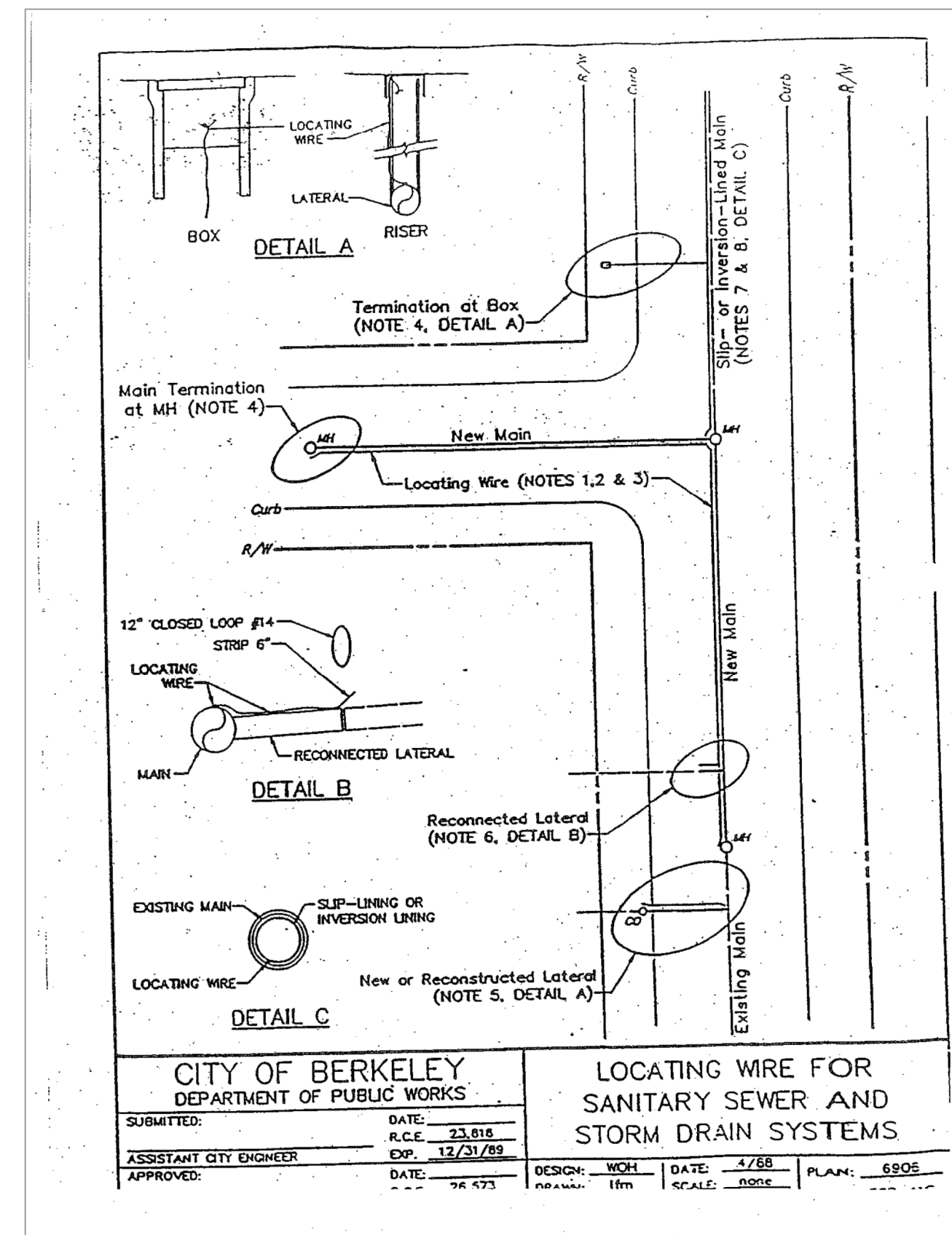
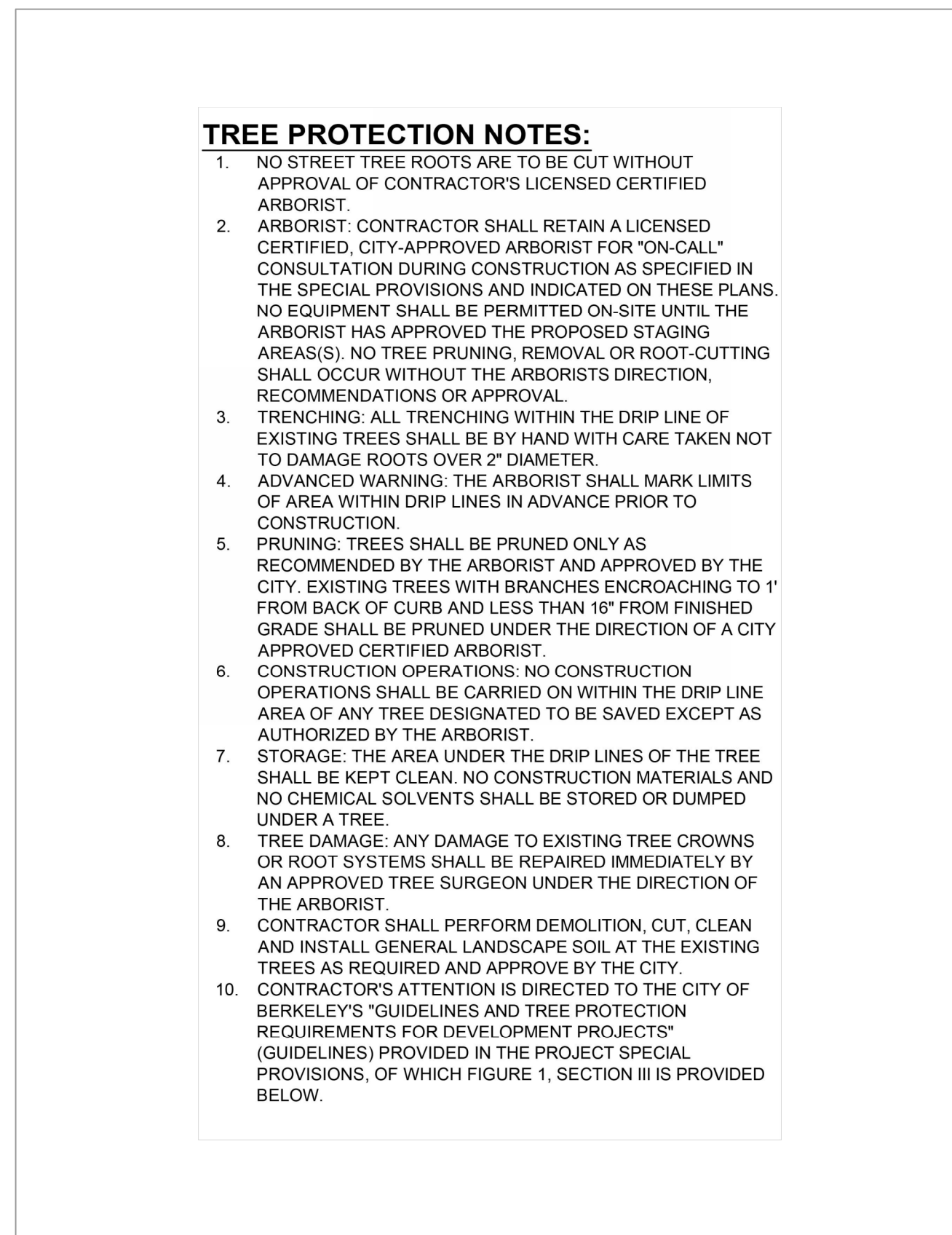
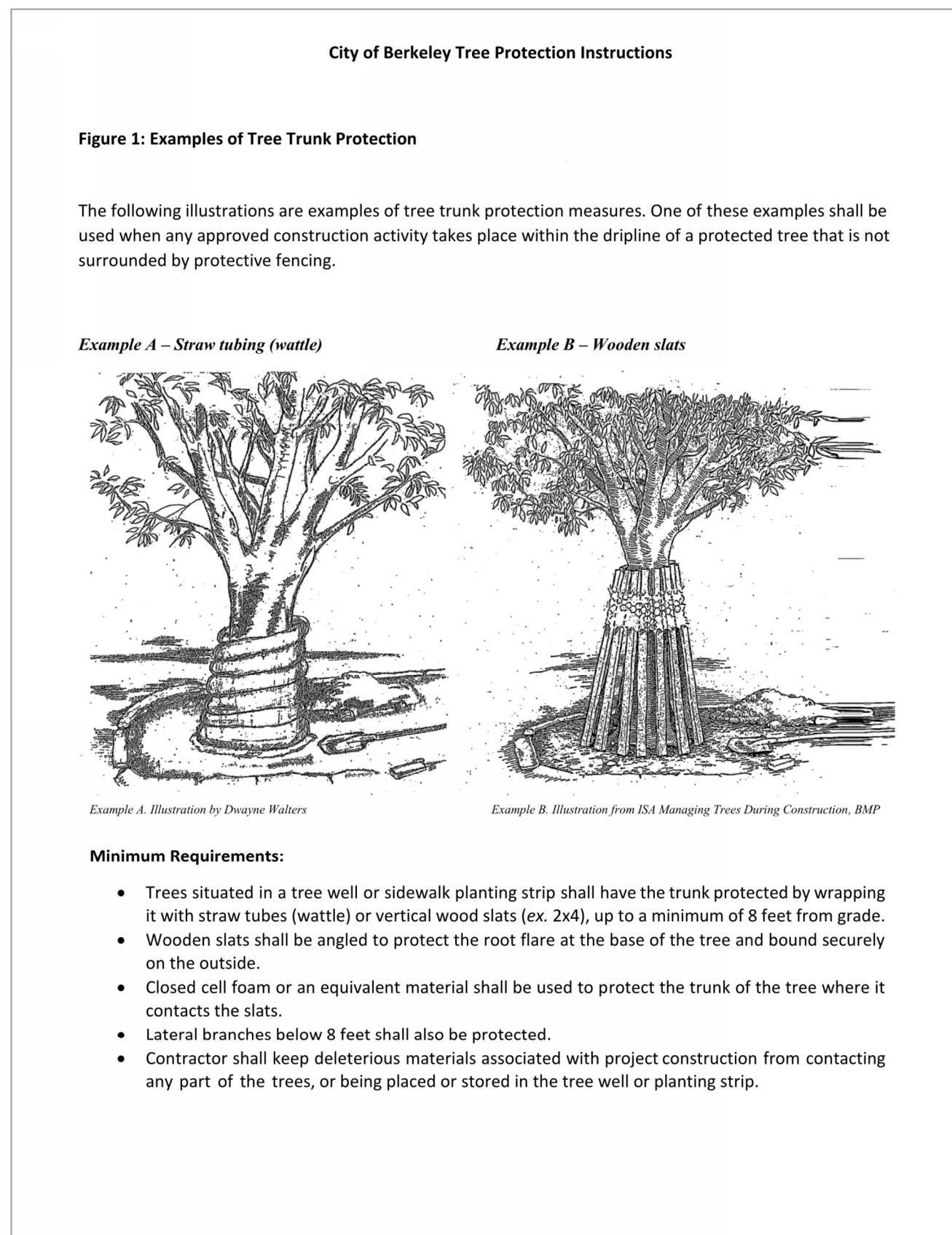
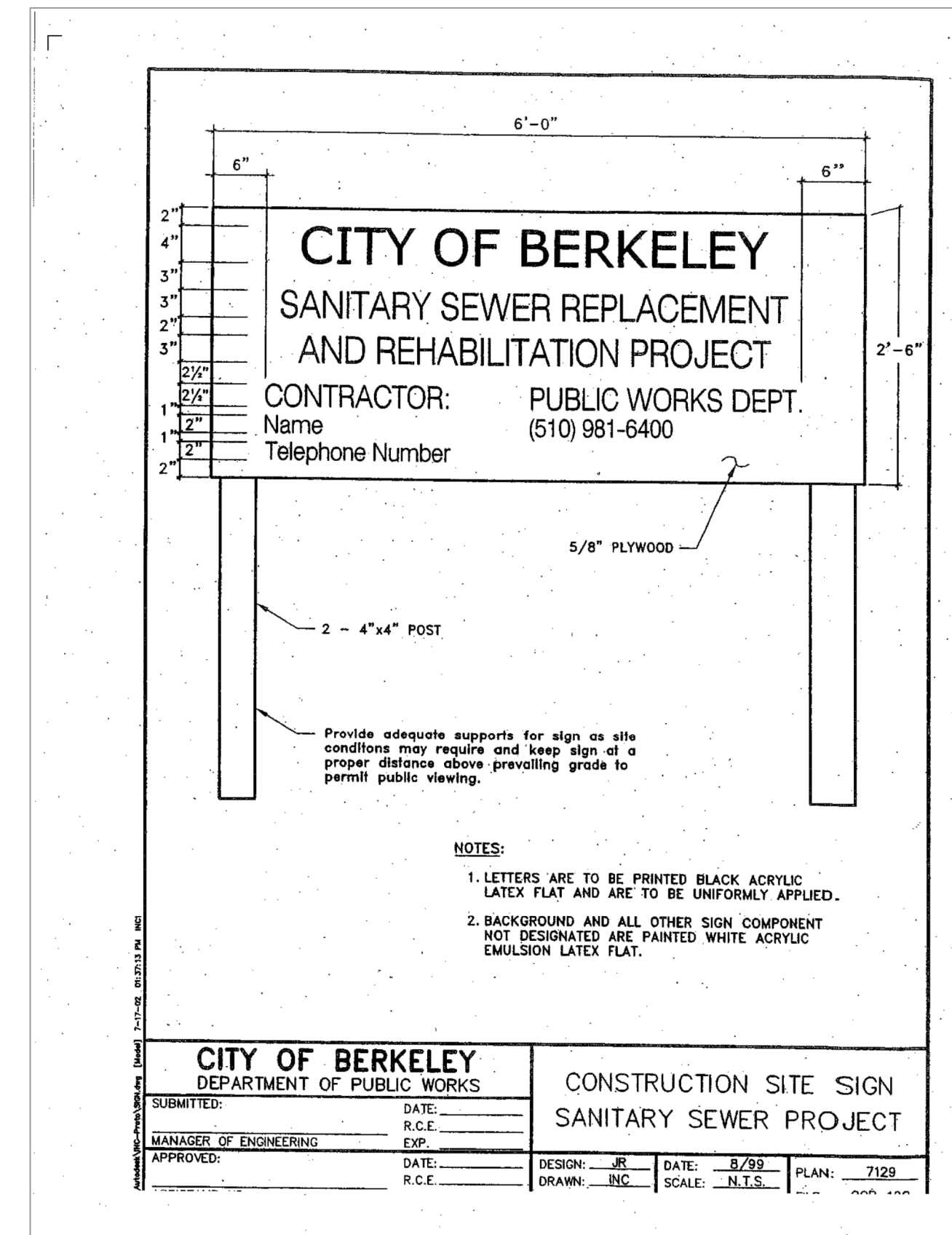
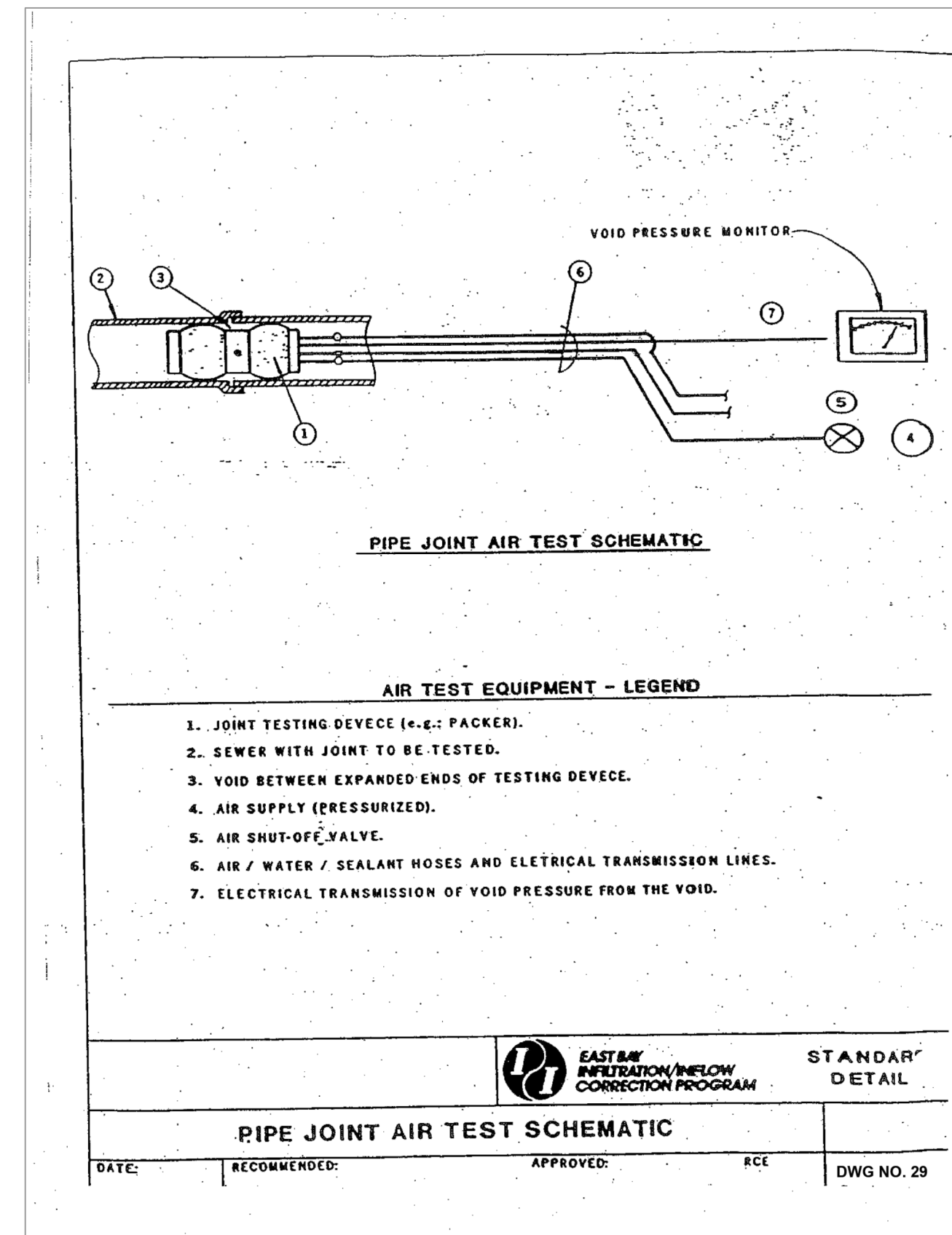
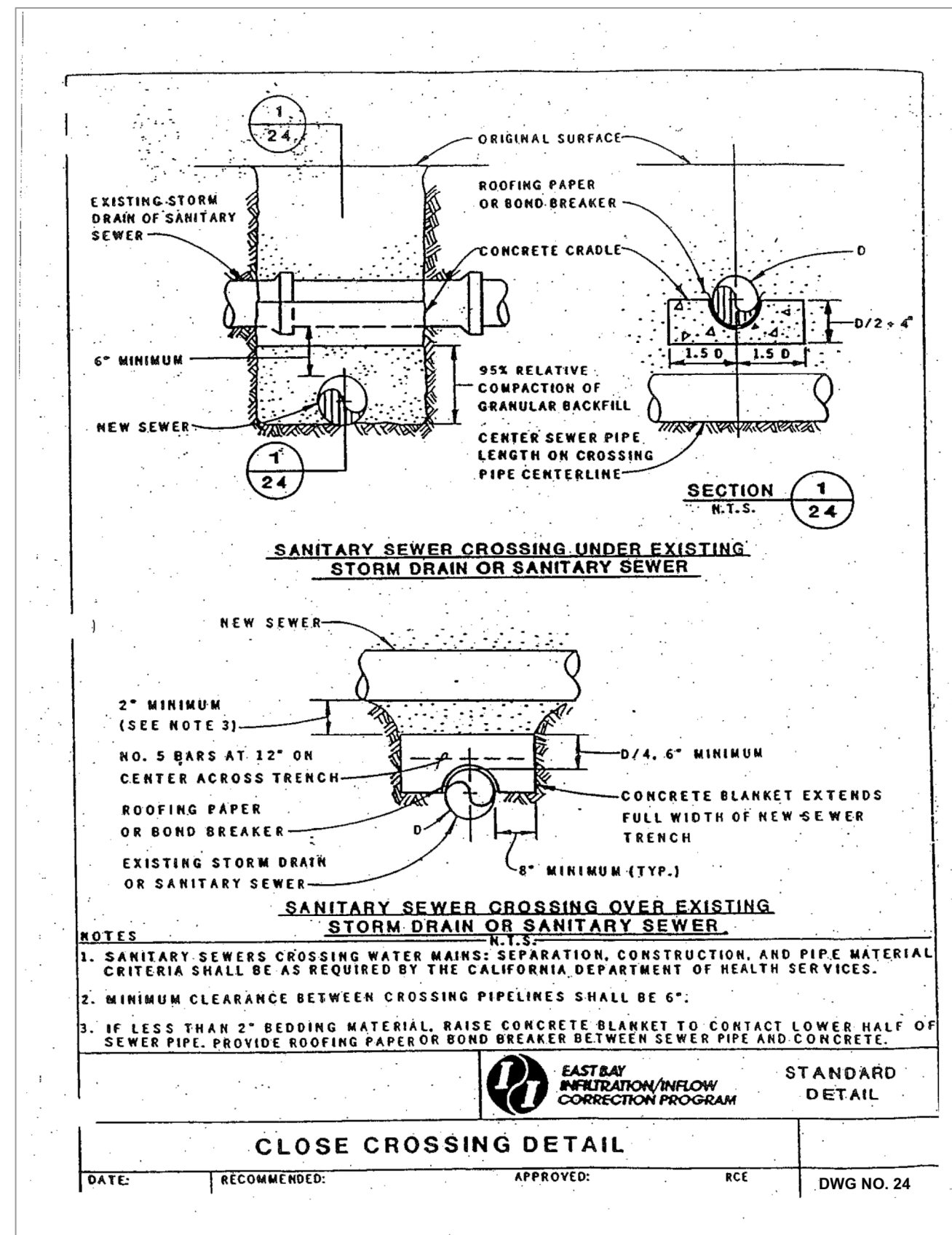
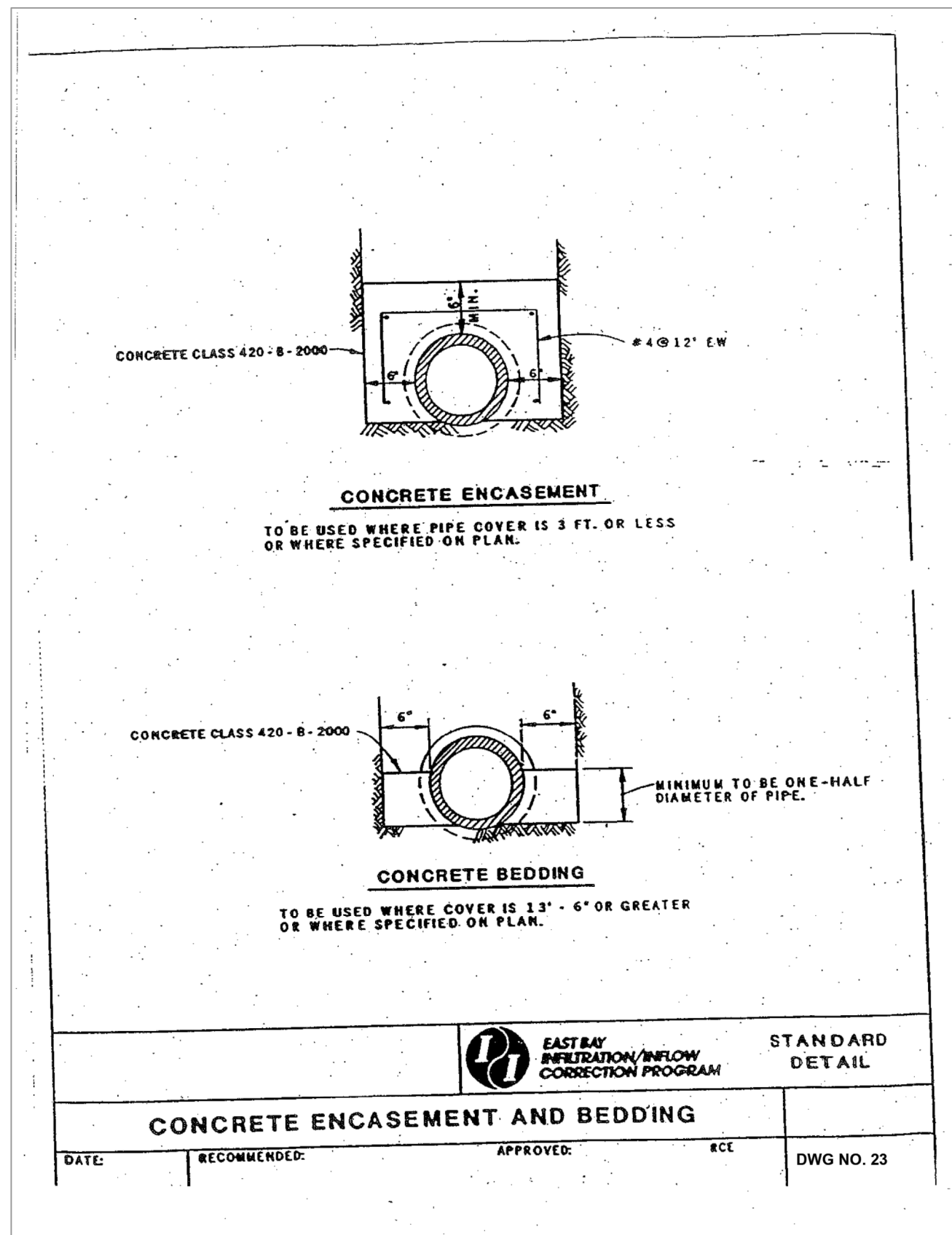
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 BOOK _____
 DATE: 12/14/23

CITY OF BERKELEY DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION DETAILS LOCATION MAP & INDEX OF DRAWINGS

APPROVAL DATE MARK REVISION

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FOR CITY USE ONLY
REFERENCE SEWER MAP NO.



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| SURVEY PARTY CHIEF | | WATERSHED REVIEW: | DATE |

FOR REDUCED PLANS - ORIGINAL SCALE IS IN INCHES

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CITY OF BERKELEY
DEPARTMENT OF PUBLIC WORKS

SANITARY SEWER REHABILITATION
DETAILS
LOCATION MAP & INDEX OF DRAWINGS

PLAN NO.: 8272
FILE NO.: 502-707
SHEET 35 OF 35