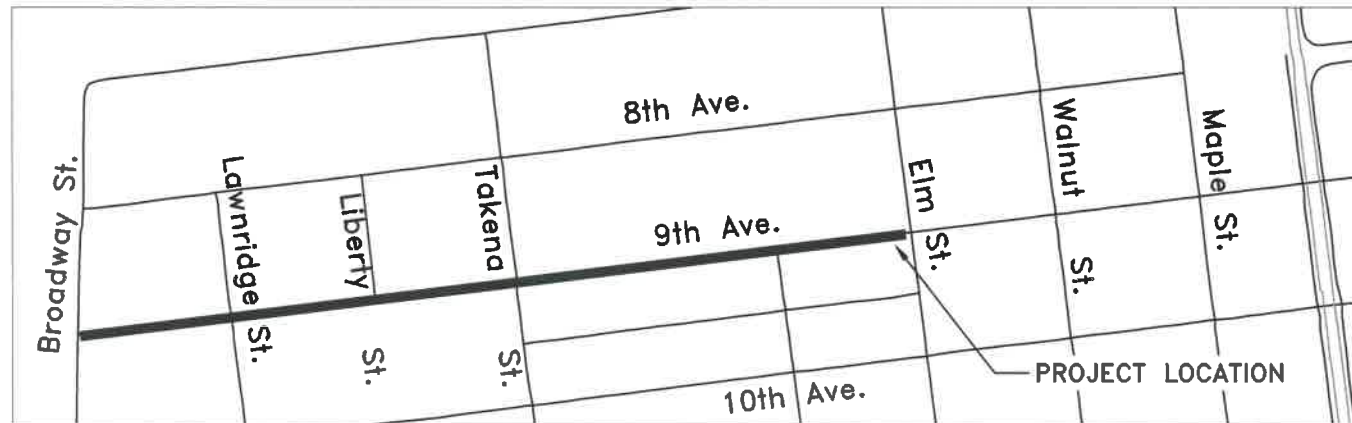
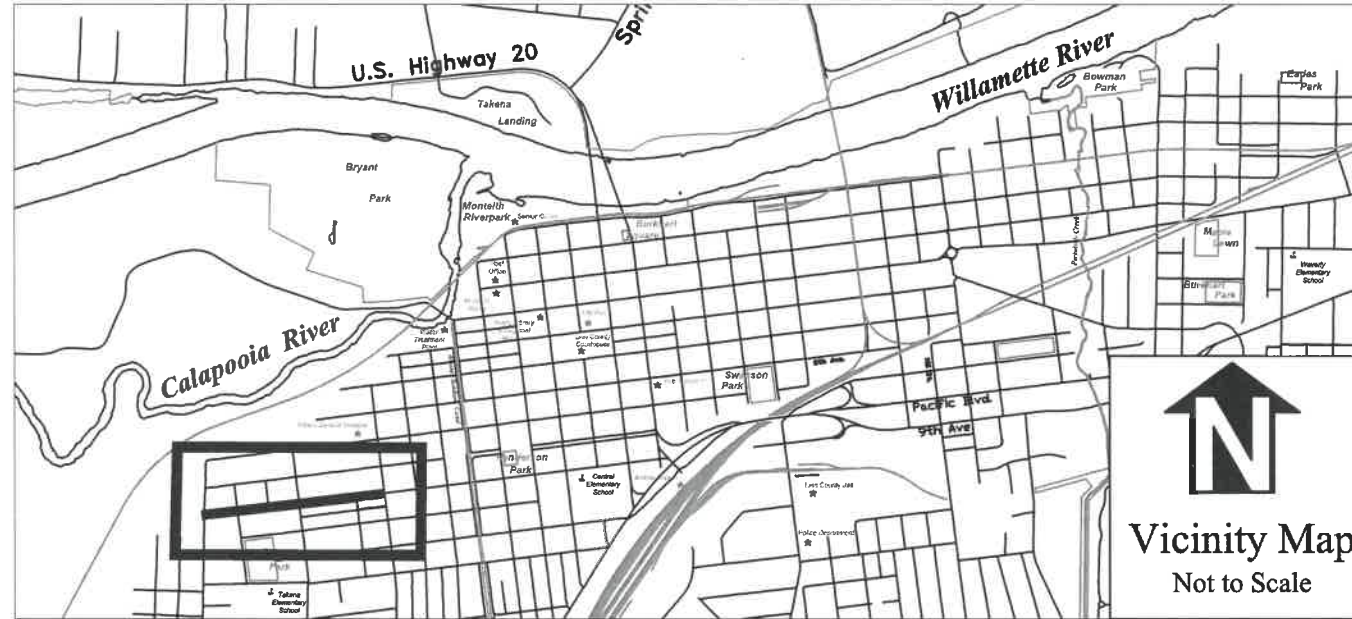


CITY OF ALBANY

ST-20-01, 9TH AVENUE STREET IMPROVEMENTS

SHEET INDEX

SHEET NO. 1,	COVER & GENERAL NOTES
SHEET NO. 2,	TYPICAL STREET CROSS SECTIONS
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SHEET NO. 8 TO 12,	INTERSECTION DETAILS
SHEET NO. 13 TO 16,	STORMWATER QUALITY PLANTER DETAILS
SHEET NO. 17 TO 19,	WATER LINE CONSTRUCTION
SHEET NO. 20 TO 22,	LANDSCAPING PLAN
SHEET NO. 23 TO 24,	EROSION PREVENTION AND SEDIMENT CONTROL PLAN



LEGEND

	EXISTING WATER SERVICE		EXISTING POWER POLE
	RECONNECT EXISTING METER		EXISTING STORM MANHOLE
	INSTALL NEW SERVICE WITH NO METER		NEW CURB INLET
	REPLACE EXISTING METER WITH NEW METER		NEW CATCH BASIN
	AIR RELEASE VALVE		NEW CURB INLET
	EXISTING WATER VALVE		NEW CATCH BASIN
	NEW WATER VALVE		EXISTING STREET LIGHT
	EXISTING WATER LINE		EXISTING TRAFFIC SIGN
	EXISTING GAS LINE		NEW TRAFFIC SIGN
	EXISTING STORM LINE		EXISTING HYDRANT
	EXISTING SANITARY SEWER LINE		NEW HYDRANT
	EXISTING QL N DUCT		REDUCER
	OVERHEAD WIRES		EXISTING TREE TO BE REMOVED BY OTHERS
	NEW WATER LINE		EXISTING TREE TO REMAIN AND BE PROTECTED
	NEW STORM LINE		
	NEW STORM DRAIN MAINLINE CLEANOUT		
	NEW STORM DRAIN MANHOLE		

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS AND ASSOCIATED STANDARD DRAWINGS. THE CURRENT VERSION OF THE CITY OF ALBANY STANDARD CONSTRUCTION SPECIFICATIONS CAN BE FOUND ON THE CITY'S WEBSITE AT WWW.CITYOFALBANY.NET.
- UTILITIES SHOWN ARE FOR REFERENCE ONLY. FOR A FIELD LOCATE, CALL THE UTILITIES NOTIFICATIONS CENTER AT 1-800-332-2344.
- OPERATING ACCESS FOR CITY MAINTENANCE PERSONNEL TO EXISTING AND NEW WATER VALVES AND MANHOLES SHALL BE CONTINUOUSLY MAINTAINED BY THE CONTRACTOR DURING ALL CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL VERIFY ALL EXISTING PIPE ELEVATIONS, PIPE DIAMETERS, AND PIPE MATERIALS AT CONNECTION AND ABANDONMENT LOCATIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO ENGINEER PRIOR TO BEGINNING WORK.
- ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987).
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION PREVENTION SEDIMENT CONTROL (EPSC) MEASURES IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE CITY OF ALBANY, AND VEGETATION/LANDSCAPING IS ESTABLISHED. FOR GUIDANCE, REFER TO THE CITY OF ALBANY EPSC MANUAL WHICH CAN BE FOUND AT www.cityofalbany.net.

DESIGNED: A. MONACO	REVISIONS
DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	DATE: ---

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-20-01, 9TH AVENUE STREET IMPROVEMENTS

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerklewski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

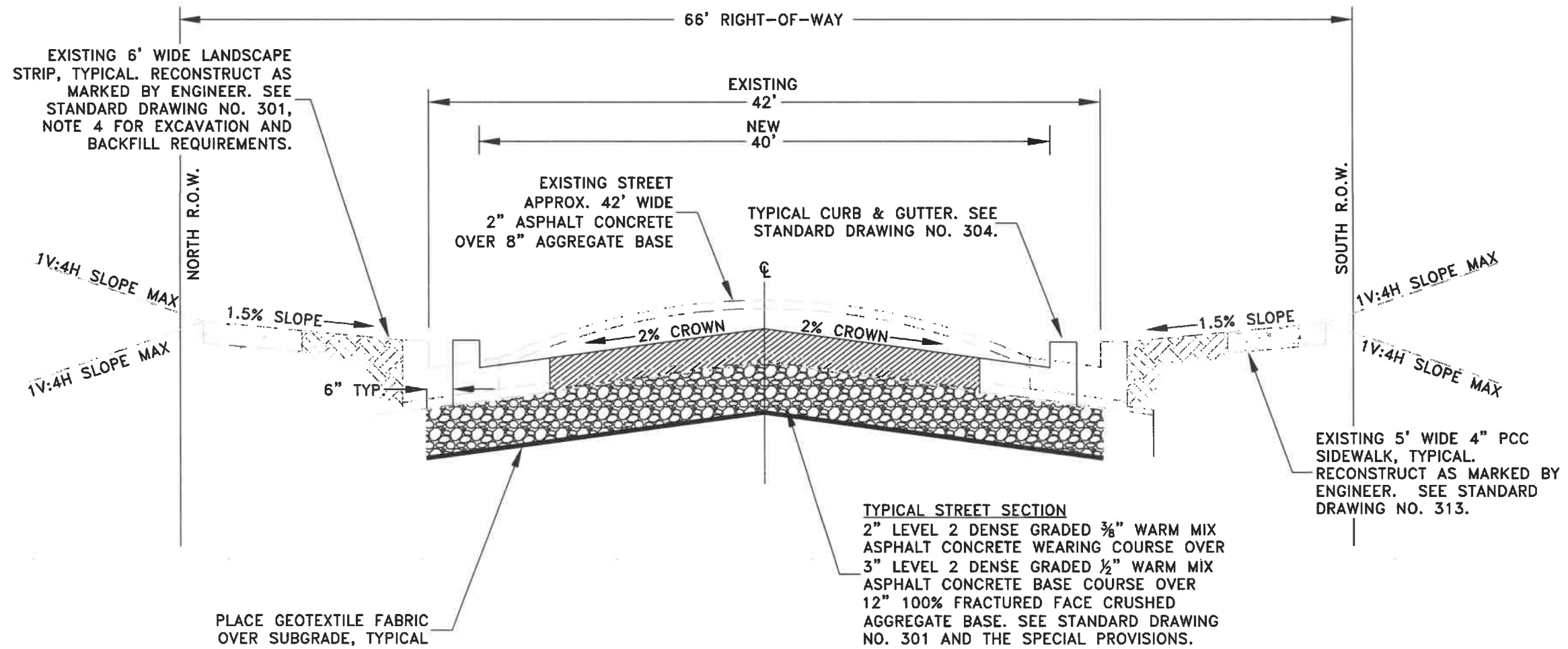
EXPIRATION DATE: 12/31/2021

SHEET NO. 1 OF 24

PROJECT NO: ST-20-01


FILE: FILENAME.DWG

TYPICAL STREET CROSS SECTION
(NOT TO SCALE)




DESIGNED: A. MONACO	REVISIONS
DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	---

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
TYPICAL SECTION

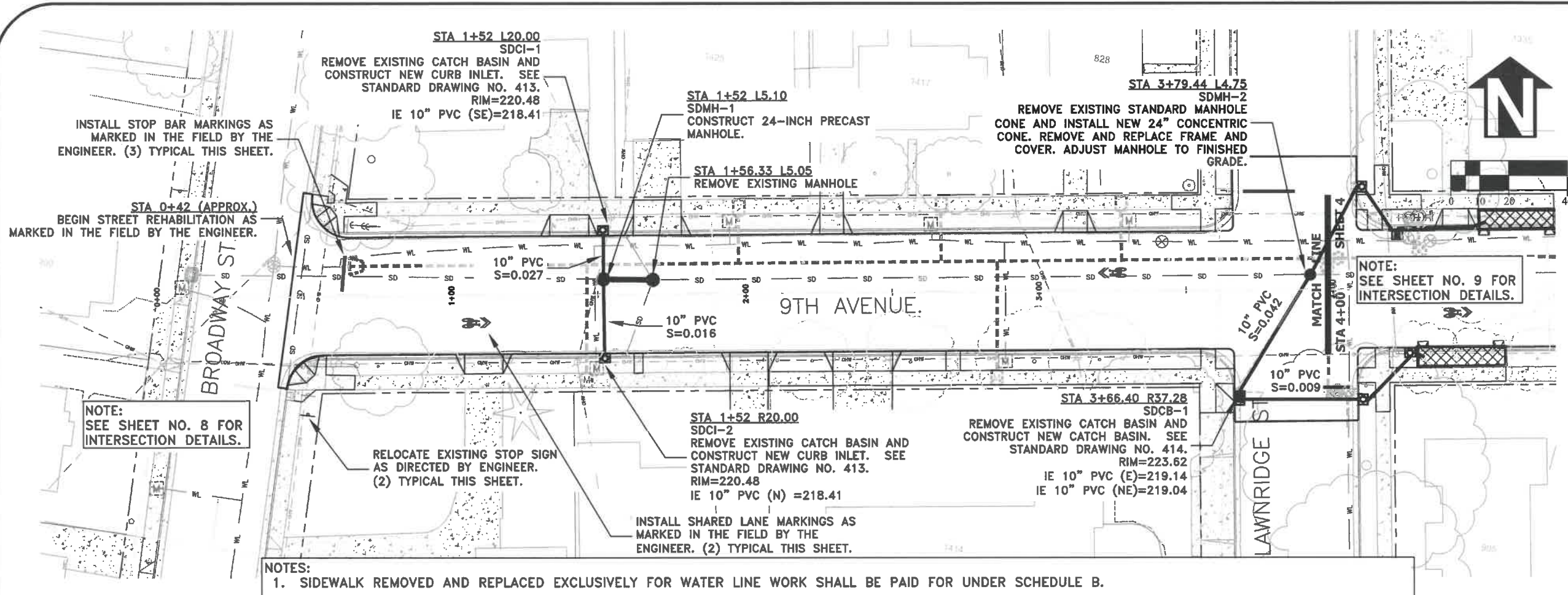


EXPIRATION DATE: 12/31/2021

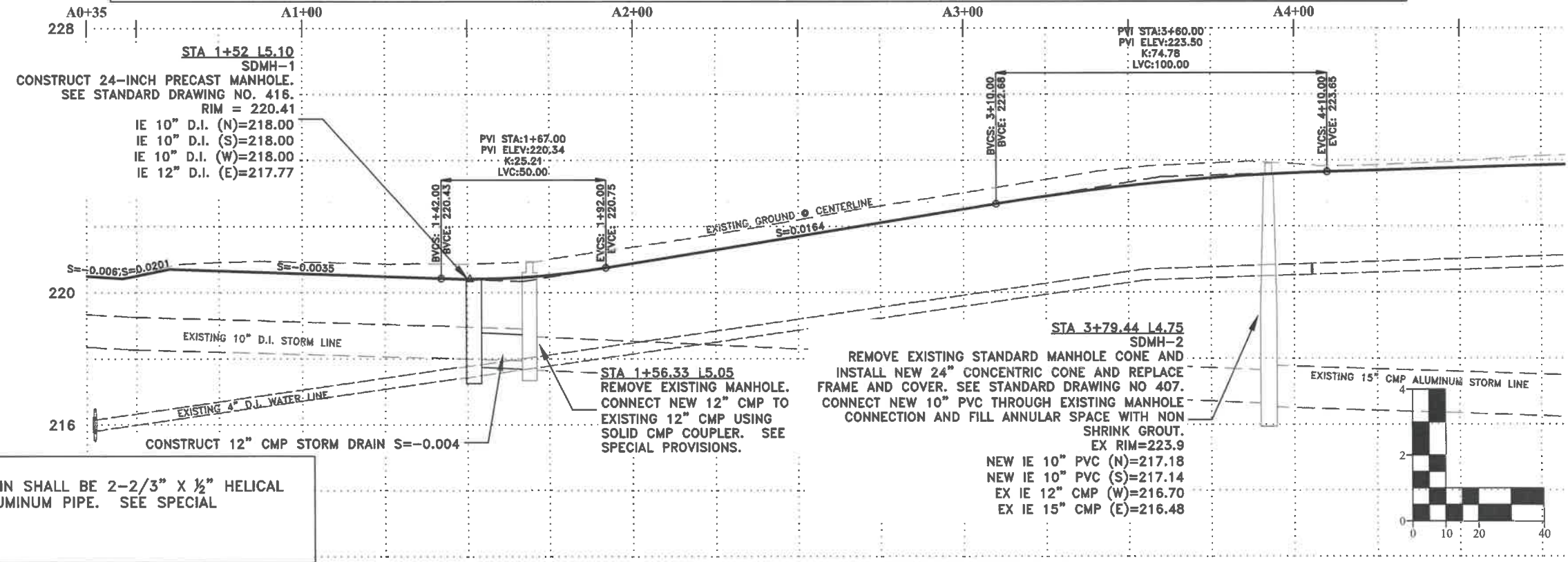
SHEET NO. 2 OF 24

PROJECT NO: ST-20-01

FILE: BASE.DWG



- NOTES:**
- SIDEWALK REMOVED AND REPLACED EXCLUSIVELY FOR WATER LINE WORK SHALL BE PAID FOR UNDER SCHEDULE B.
 - CONSTRUCT CURB DRAINS AT EXISTING LOCATIONS AND AS DIRECTED BY THE ENGINEER. CONNECT TO EXISTING PRIVATE ROOF DRAIN PIPING. IF NO EXISTING PIPING EXTEND PIPE 1' PAST R.O.W. LINE AND INSTALL END CAP. SEE STANDARD DRAWING NO. 306 AND 307.
 - CONSTRUCT DRIVEWAY APPROACHES AS SHOWN AND AS DIRECTED BY THE ENGINEER. SEE STANDARD DRAWING NO. 308. CONCRETE THICKNESS 6" UNLESS OTHERWISE SHOWN. SAWCUT EXISTING PRIVATE CONCRETE DRIVEWAY AT EXISTING SIDEWALK OR AS DIRECTED BY THE ENGINEER.

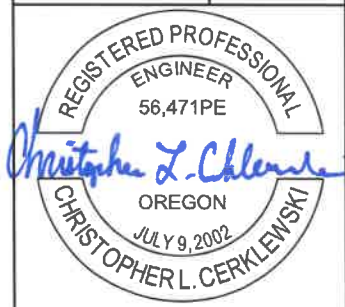


NOTE:
CMP STORM DRAIN SHALL BE 2-2/3" X 1/2" HELICAL CORRUGATED ALUMINUM PIPE. SEE SPECIAL PROVISIONS.

DESIGNED: A. MONACO	REVISIONS	NO:	BY:
DRAWN: A. MONACO			
CHECKED: C. CERKLEWSKI			
DATE: 3/11/2020			

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STREET AND STORM DRAIN CONSTRUCTION

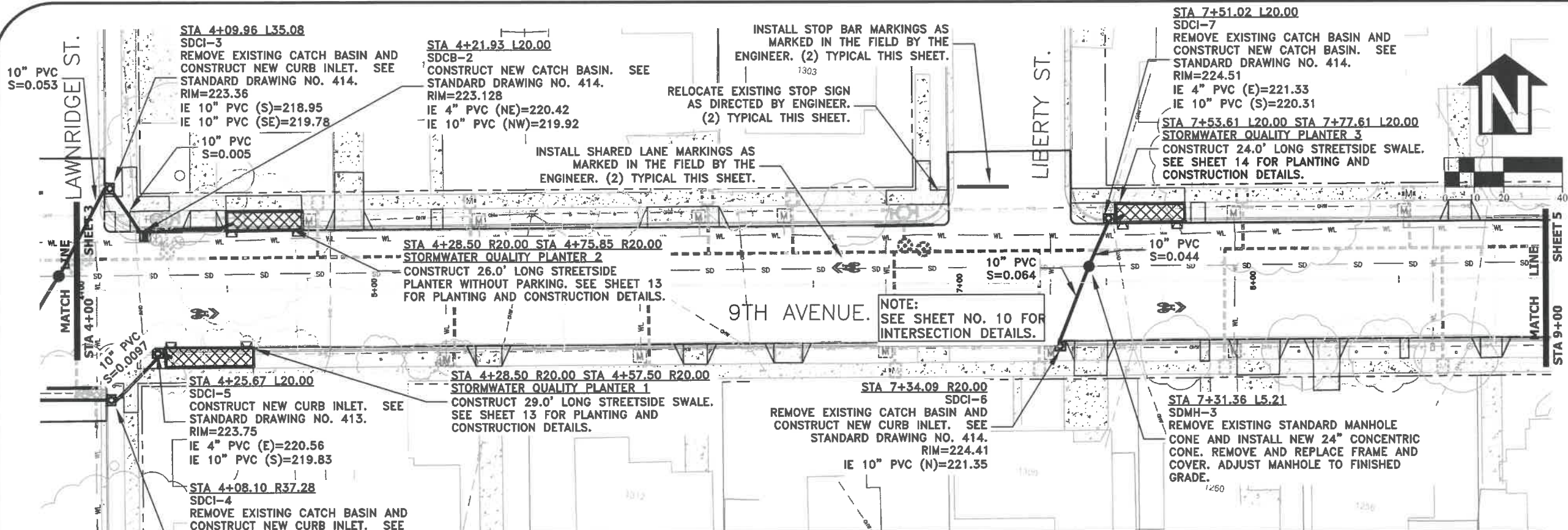


EXPIRATION DATE: 12/31/2021

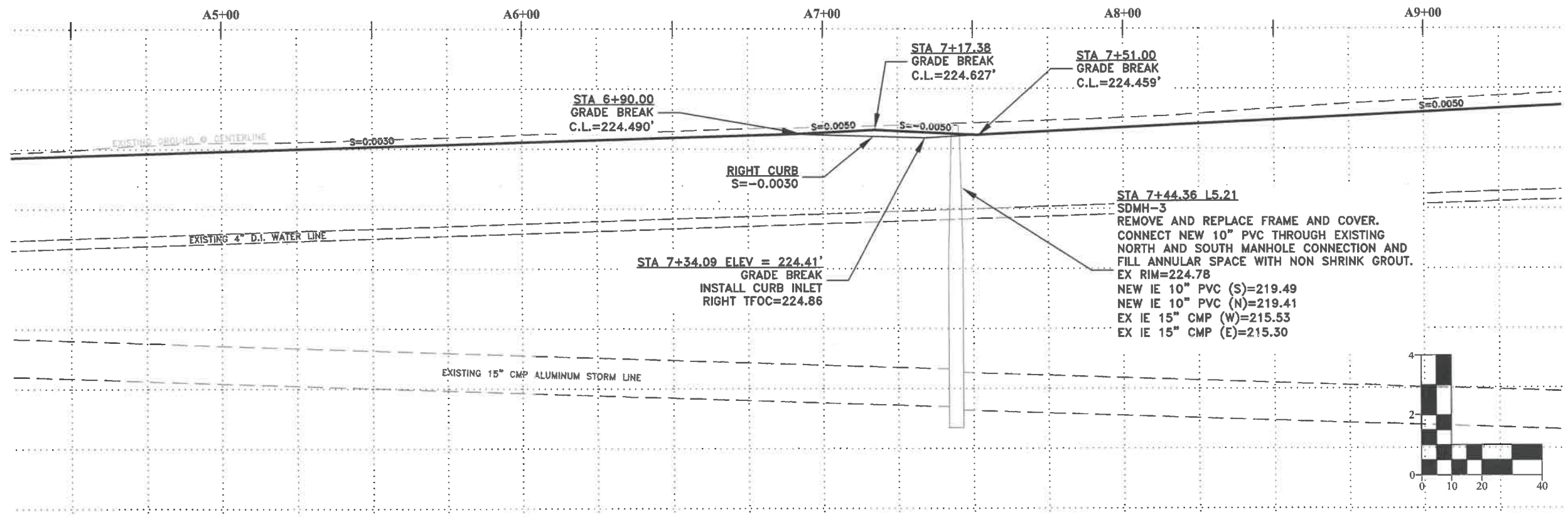
SHEET NO. 3 OF 24

PROJECT NO: ST-20-01

FILE: BASE.DWG



- NOTES:**
1. SIDEWALK REMOVED AND REPLACED EXCLUSIVELY FOR WATER LINE WORK SHALL BE PAID FOR UNDER SCHEDULE B.
 2. CONSTRUCT CURB DRAINS AT EXISTING LOCATIONS AND AS DIRECTED BY THE ENGINEER. CONNECT TO EXISTING PRIVATE ROOF DRAIN PIPING. IF NO EXISTING PIPING EXTEND PIPE 1' PAST R.O.W. LINE AND INSTALL END CAP. SEE STANDARD DRAWING NO. 306 AND 307.
 3. CONSTRUCT DRIVEWAY APPROACHES AS SHOWN AND AS DIRECTED BY THE ENGINEER. SEE STANDARD DRAWING NO. 308. CONCRETE THICKNESS 6" UNLESS OTHERWISE SHOWN. SAWCUT EXISTING PRIVATE CONCRETE DRIVEWAY AT EXISTING SIDEWALK OR AS DIRECTED BY THE ENGINEER.



DESIGNED: A. MONACO	REVISIONS
DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	DATE: ---

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STREET AND STORM DRAIN CONSTRUCTION

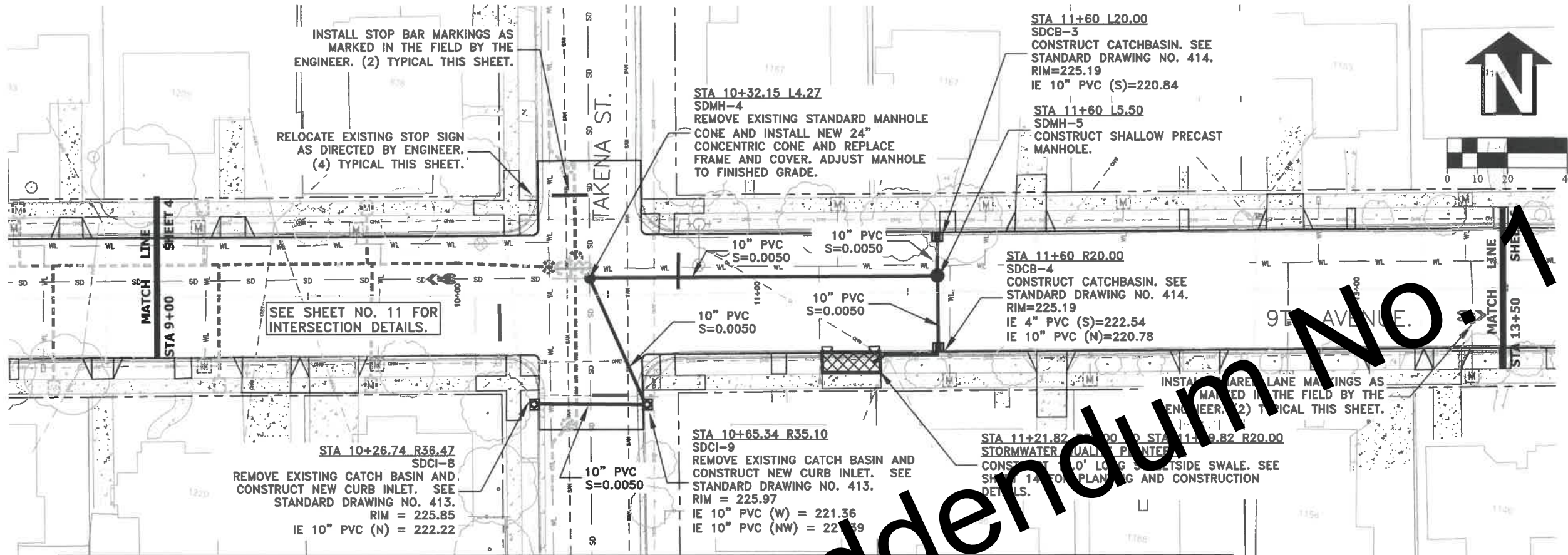


EXPIRATION DATE: 12/31/2021

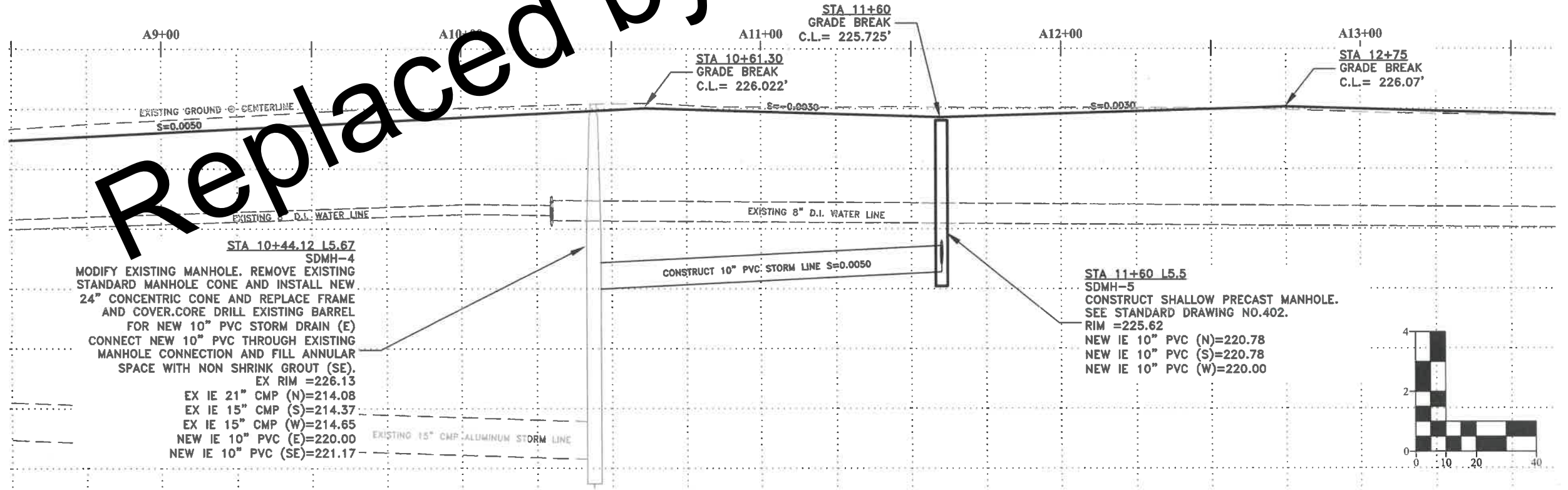
SHEET NO. 4 OF 24

PROJECT NO: ST-20-01

FILE: BASE.DWG



- NOTES:
1. SIDEWALK REMOVED AND REPLACED EXCLUSIVELY FOR WATER LINE WORK SHALL BE PAID FOR UNDER SCHEDULE B.
 2. CONSTRUCT CURB DRAINS AT EXISTING LOCATIONS AND AS DIRECTED BY THE ENGINEER. CONSIDER EXISTING PRIVATE ROOF DRAIN PIPING. IF NO EXISTING PIPING EXTEND PIPE 1' PAST R.O.W. LINE AND INSTALL END CAP. SEE STANDARD DRAWING NO. 306 AND 307.
 3. CONSTRUCT DRIVEWAY APPROACHES AS SHOWN AND AS DIRECTED BY THE ENGINEER. SEE STANDARD DRAWING NO. 308. CONCRETE THICKNESS 6" UNLESS OTHERWISE SHOWN. SAWCUT EXISTING PRIVATE CONCRETE DRIVEWAY AT EXISTING SIDEWALK OR AS DIRECTED BY THE ENGINEER.

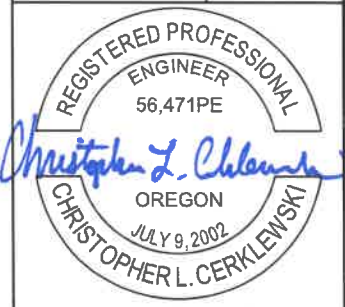


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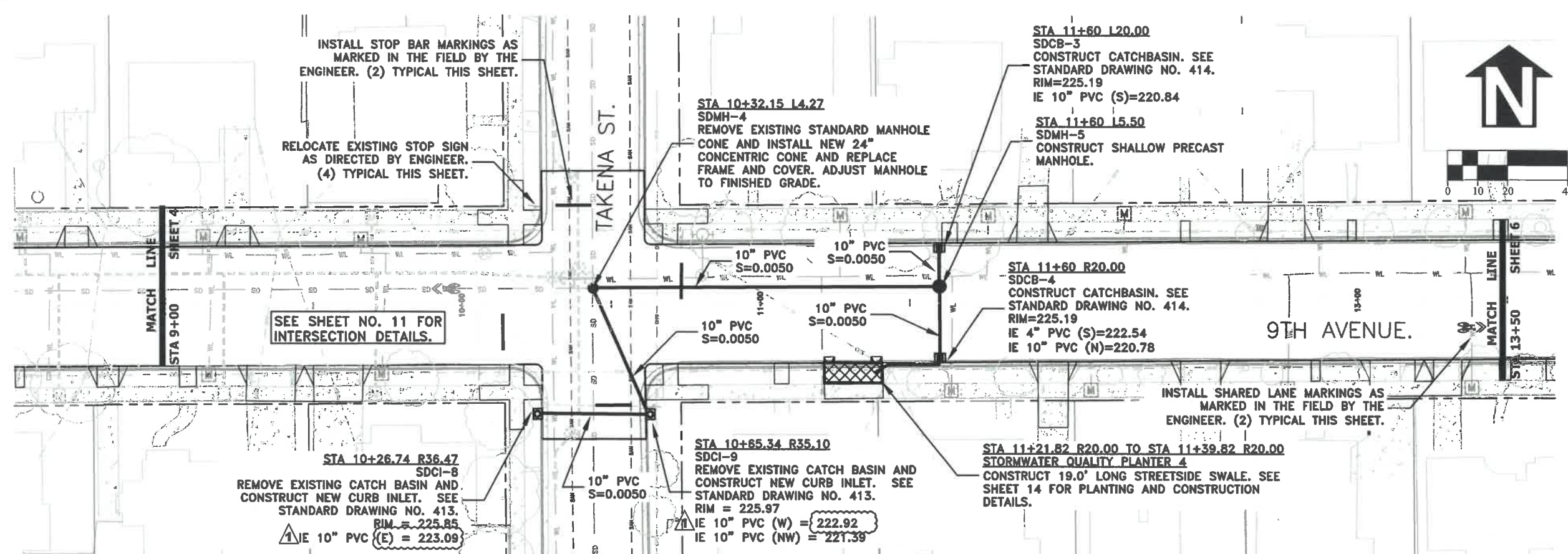
DESIGNED: A. MONACO	REVISIONS
DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	DATE: ---

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STREET AND STORM DRAIN CONSTRUCTION



EXPIRATION DATE: 12/31/2021
SHEET NO. 5 OF 24
PROJECT NO: ST-20-01
FILE: BASE.DWG



INSTALL STOP BAR MARKINGS AS MARKED IN THE FIELD BY THE ENGINEER. (2) TYPICAL THIS SHEET.

RELOCATE EXISTING STOP SIGN AS DIRECTED BY ENGINEER. (4) TYPICAL THIS SHEET.

SEE SHEET NO. 11 FOR INTERSECTION DETAILS.

STA 10+26.74 R36.47
SDCI-8
REMOVE EXISTING CATCH BASIN AND CONSTRUCT NEW CURB INLET. SEE STANDARD DRAWING NO. 413.
RIM = 225.85
IE 10" PVC (E) = 223.09

STA 10+32.15 L4.27
SDMH-4
REMOVE EXISTING STANDARD MANHOLE CONE AND INSTALL NEW 24" CONCENTRIC CONE AND REPLACE FRAME AND COVER. ADJUST MANHOLE TO FINISHED GRADE.

STA 11+60 L20.00
SDCB-3
CONSTRUCT CATCHBASIN. SEE STANDARD DRAWING NO. 414.
RIM=225.19
IE 10" PVC (S)=220.84

STA 11+60 I5.50
SDMH-5
CONSTRUCT SHALLOW PRECAST MANHOLE.

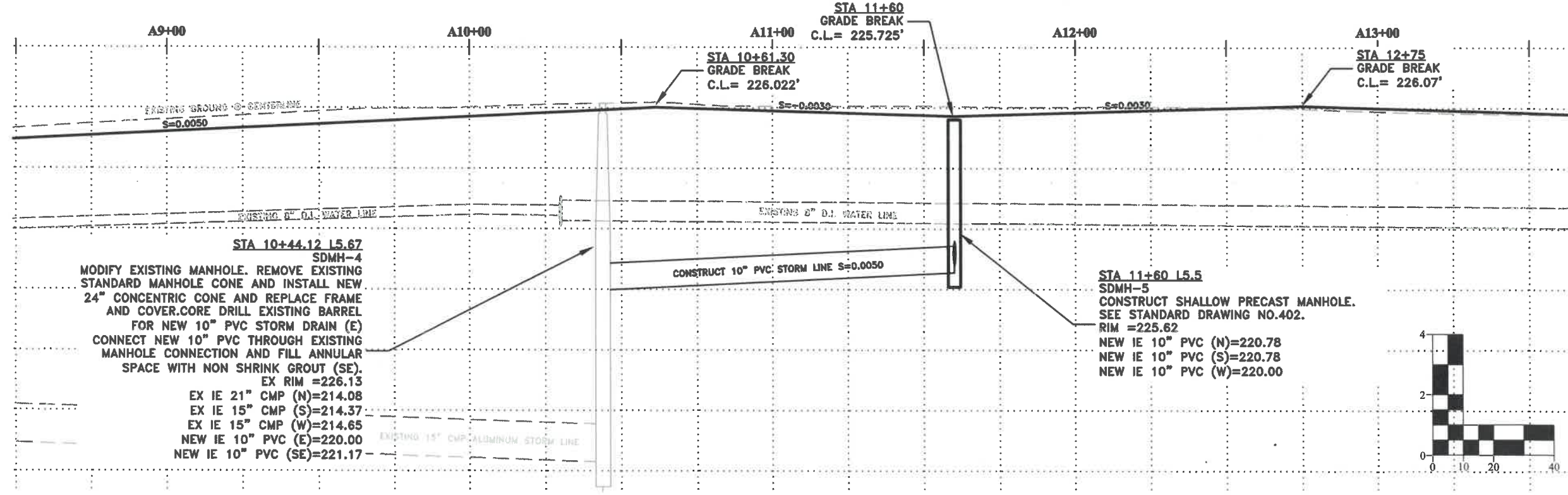
STA 11+60 R20.00
SDCB-4
CONSTRUCT CATCHBASIN. SEE STANDARD DRAWING NO. 414.
RIM=225.19
IE 4" PVC (S)=222.54
IE 10" PVC (N)=220.78

STA 10+85.34 R35.10
SDCI-9
REMOVE EXISTING CATCH BASIN AND CONSTRUCT NEW CURB INLET. SEE STANDARD DRAWING NO. 413.
RIM = 225.97
IE 10" PVC (W) = 222.92
IE 10" PVC (NW) = 221.39

STA 11+21.82 R20.00 TO STA 11+39.82 R20.00
STORMWATER QUALITY PLANTER 4
CONSTRUCT 19.0' LONG STREETSIDE SWALE. SEE SHEET 14 FOR PLANTING AND CONSTRUCTION DETAILS.

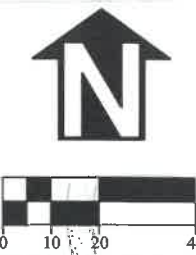
INSTALL SHARED LANE MARKINGS AS MARKED IN THE FIELD BY THE ENGINEER. (2) TYPICAL THIS SHEET.

- NOTES:
1. SIDEWALK REMOVED AND REPLACED EXCLUSIVELY FOR WATER LINE WORK SHALL BE PAID FOR UNDER SCHEDULE B.
 2. CONSTRUCT CURB DRAINS AT EXISTING LOCATIONS AND AS DIRECTED BY THE ENGINEER. CONNECT TO EXISTING PRIVATE ROOF DRAIN PIPING. IF NO EXISTING PIPING EXTEND PIPE 1' PAST R.O.W. LINE AND INSTALL END CAP. SEE STANDARD DRAWING NO. 306 AND 307.
 3. CONSTRUCT DRIVEWAY APPROACHES AS SHOWN AND AS DIRECTED BY THE ENGINEER. SEE STANDARD DRAWING NO. 308. CONCRETE THICKNESS 6" UNLESS OTHERWISE SHOWN. SAWCUT EXISTING PRIVATE CONCRETE DRIVEWAY AT EXISTING SIDEWALK OR AS DIRECTED BY THE ENGINEER.



STA 10+44.12 I5.67
SDMH-4
MODIFY EXISTING MANHOLE. REMOVE EXISTING STANDARD MANHOLE CONE AND INSTALL NEW 24" CONCENTRIC CONE AND REPLACE FRAME AND COVER. CORE DRILL EXISTING BARREL FOR NEW 10" PVC STORM DRAIN (E) CONNECT NEW 10" PVC THROUGH EXISTING MANHOLE CONNECTION AND FILL ANNULAR SPACE WITH NON SHRINK GROUT (SE).
EX RIM = 226.13
EX IE 21" CMP (N)=214.08
EX IE 15" CMP (S)=214.37
EX IE 15" CMP (W)=214.65
NEW IE 10" PVC (E)=220.00
NEW IE 10" PVC (SE)=221.17

STA 11+60 I5.5
SDMH-5
CONSTRUCT SHALLOW PRECAST MANHOLE. SEE STANDARD DRAWING NO. 402.
RIM = 225.62
NEW IE 10" PVC (N)=220.78
NEW IE 10" PVC (S)=220.78
NEW IE 10" PVC (W)=220.00



DESIGNED: A. MONACO	REVISIONS
DRAWN: A. MONACO	NO:
CHECKED: C. CERKLEWSKI	DATE:
DATE: 3/11/2020	BY: APM

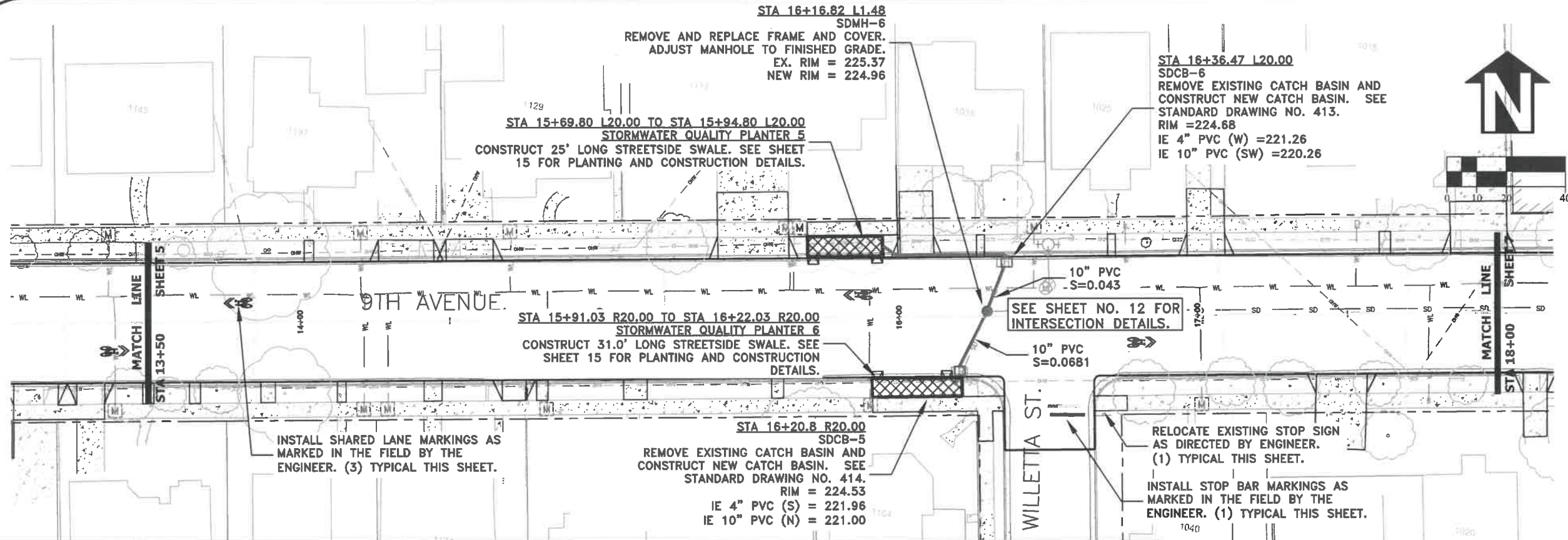
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



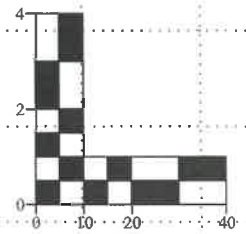
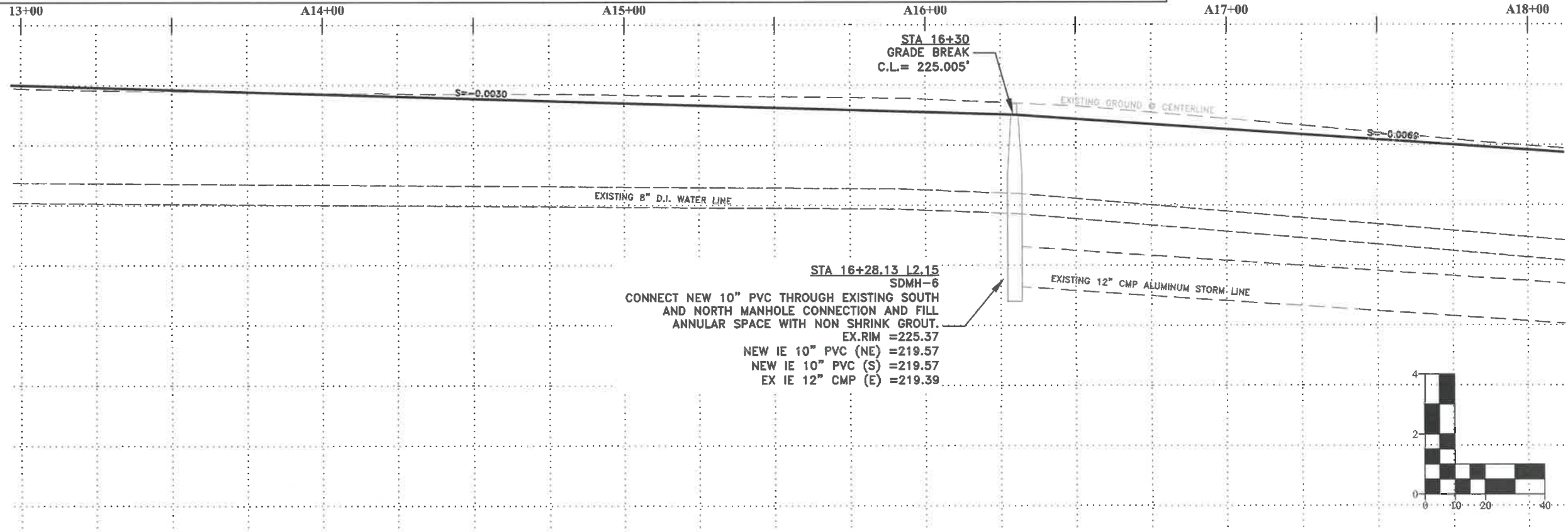
ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STREET AND STORM DRAIN CONSTRUCTION



EXPIRATION DATE: 12/31/2021
SHEET NO. 5 OF 24
PROJECT NO: ST-20-01
FILE: BASE.DWG



- NOTES:**
- CONSTRUCT CURB DRAINS AT EXISTING LOCATIONS AND AS DIRECTED BY THE ENGINEER. CONNECT TO EXISTING PRIVATE ROOF DRAIN PIPING. IF NO EXISTING PIPING EXTEND PIPE 1' PAST R.O.W. LINE AND INSTALL END CAP. SEE STANDARD DRAWING NO. 306 AND 307.
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DESIGNED: A. MONACO	REVISIONS
DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	DATE: ---

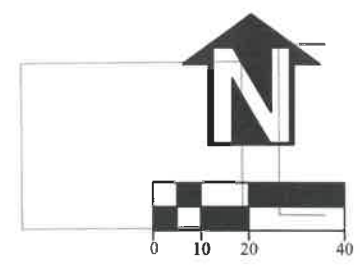
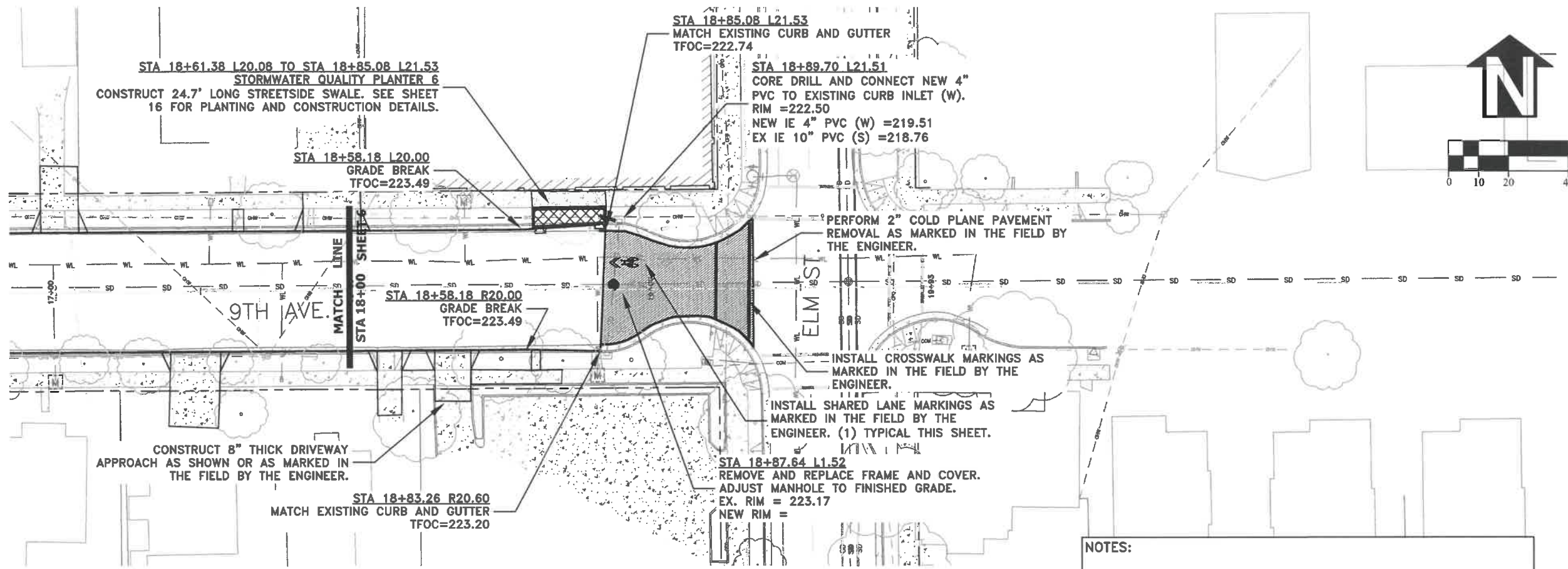
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



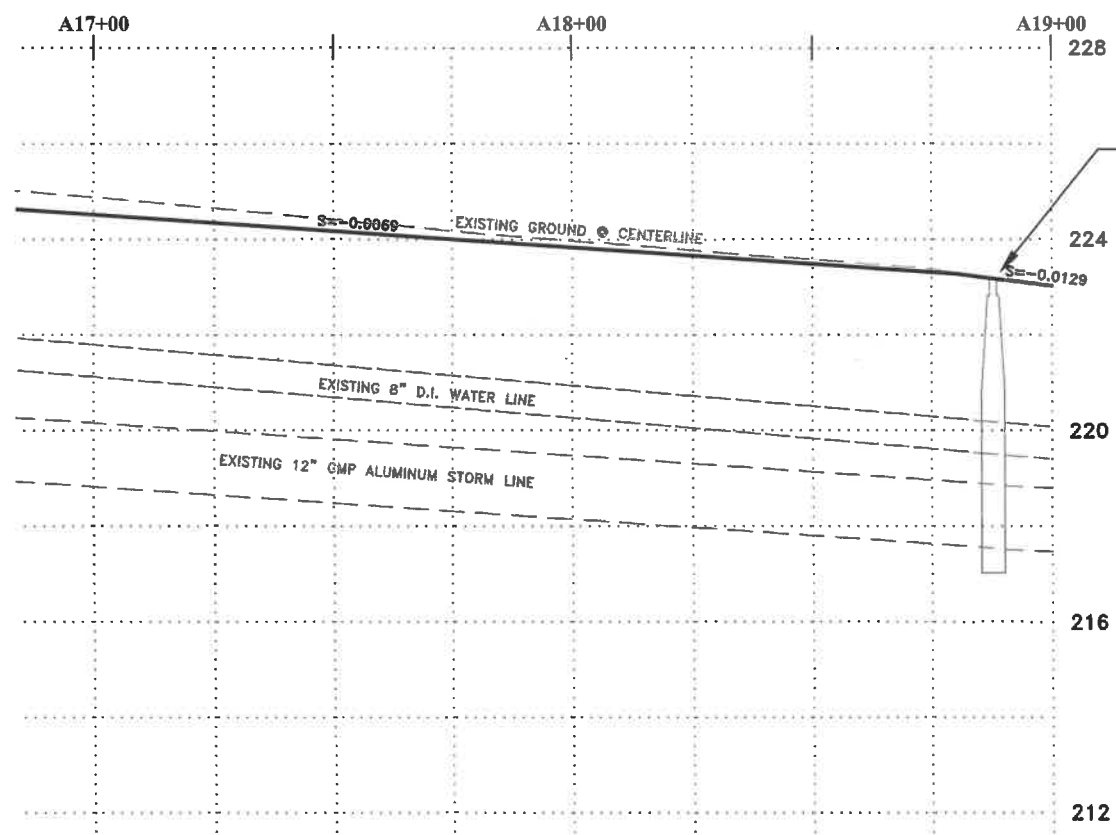
ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STREET AND STORM DRAIN CONSTRUCTION



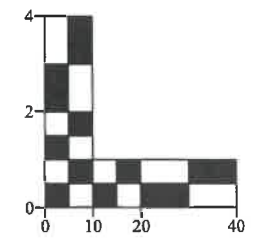
EXPIRATION DATE: 12/31/2021
 SHEET NO. 6 OF 24
 PROJECT NO: ST-20-01
 FILE: BASE.DWG



- NOTES:**
1. CONSTRUCT CURB DRAINS AT EXISTING LOCATIONS AND AS DIRECTED BY THE ENGINEER. CONNECT TO EXISTING PRIVATE ROOF DRAIN PIPING. IF NO EXISTING PIPING EXTEND PIPE 1' PAST R.O.W. LINE AND INSTALL END CAP. SEE STANDARD DRAWING NO. 306 AND 307.
 2. CONSTRUCT DRIVEWAY APPROACHES AS SHOWN AND AS DIRECTED BY THE ENGINEER. SEE STANDARD DRAWING NO. 308. CONCRETE THICKNESS 6" UNLESS OTHERWISE SHOWN. SAWCUT EXISTING PRIVATE CONCRETE DRIVEWAY AT EXISTING SIDEWALK OR AS DIRECTED BY THE ENGINEER.



STA 16+16.82 L1.48
 REMOVE AND REPLACE FRAME AND COVER.
 ADJUST MANHOLE TO FINISHED GRADE.
 EX. RIM = 225.37
 NEW RIM = 225.37



DESIGNED: A. MONACO	REVISIONS
DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	DATE: ---

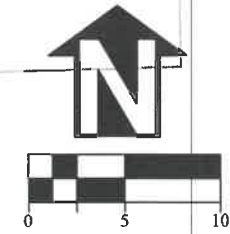
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STREET AND STORM DRAIN CONSTRUCTION



EXPIRATION DATE: 12/31/2021
 SHEET NO. 7 OF 24
 PROJECT NO: ST-20-01
 FILE: BASE.DWG

HORIZONTAL CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD LENGTH	CHORD DIRECTION	Δ
C1	12.82'	22.31'	22.31'	S47°34'45"E	99.70°
C2	12.77'	18.54'	16.95'	S41°25'31"W	83.17°



STA 0+53.12 R34.77
MATCH EXISTING CURB AND GUTTER.
ECR TFOC = 220.72

STA 0+53.12 R34.77
MATCH EXISTING CURB AND GUTTER.
ECR TFOC = 220.72

CONSTRUCT NEW SIDEWALK
AS DIRECTED BY ENGINEER

CONSTRUCT CURB RAMP. SEE STANDARD
DRAWING NO. 315., TYPE B

STA 0+65.85 R20.00
BCR TFOC = 220.75

9TH AVENUE.

STA 0+56.44 R20.00
BCR TFOC = 220.70

STA 0+45.00 R27.01
 $\frac{1}{2}$ Δ TFOC = 220.78

STA 0+43.71 R31.09
MATCH EXISTING CURB AND GUTTER.
ECR TFOC = 220.70

CONSTRUCT CURB RAMP. SEE STANDARD
DRAWING NO. 315., TYPE B

NOTES:

- CONTRACTOR SHALL COLLABORATE WITH THE ENGINEER IN THE FIELD TO FINALIZE THE DESIGN OF EACH CURB RAMP AND ENSURE COMPLIANCE WITH THE APPLICABLE STANDARD DRAWINGS.

DESIGNED: A. MONACO
DRAWN: A. MONACO
CHECKED: C. CERKLEWSKI
DATE: 3/11/2020

REVISIONS
NO: -- --
BY: -- --
DATE: -- --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
BROADWAY STREET INTERSECTION DETAILS

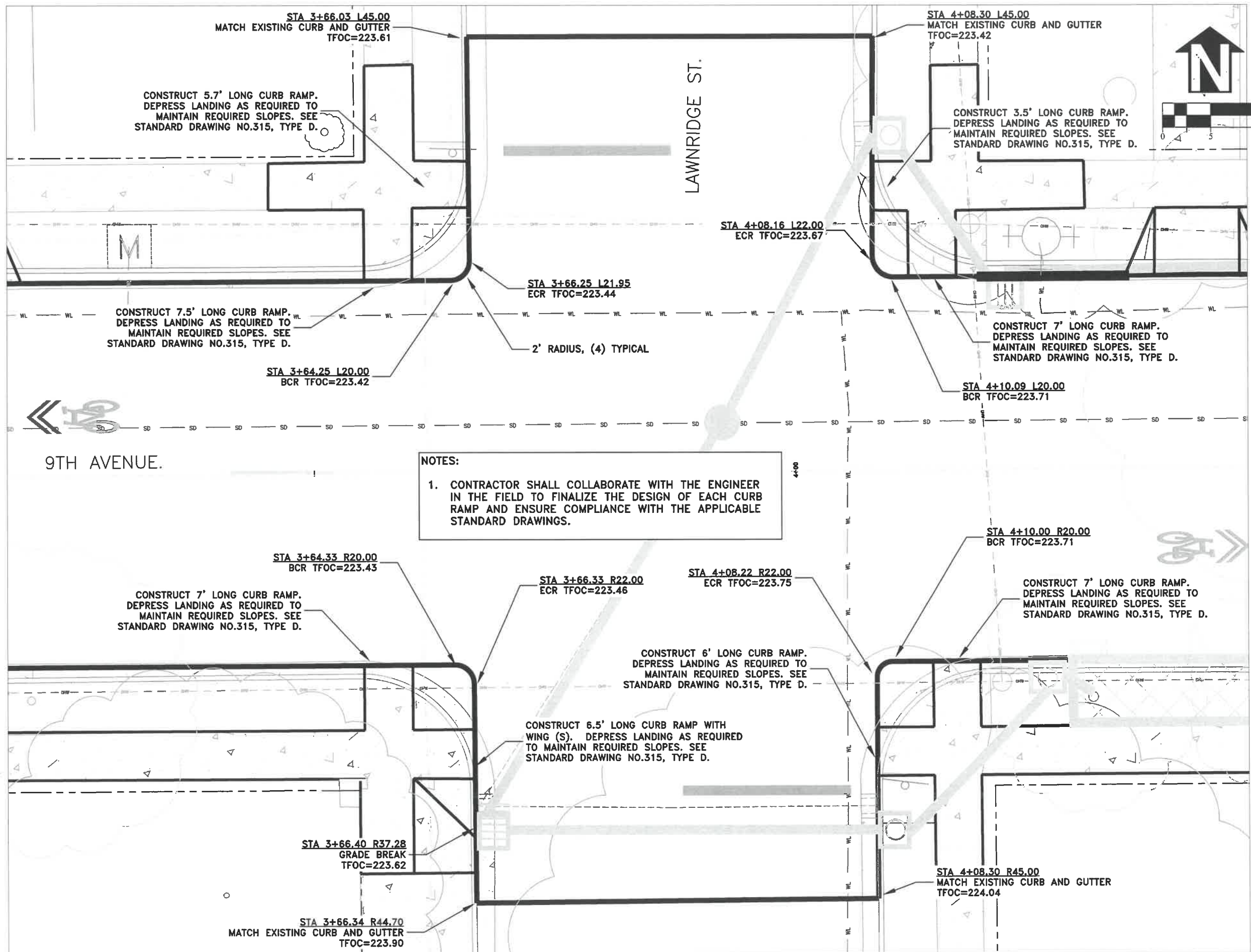


EXPIRATION DATE: 12/31/2021

SHEET NO. 8 OF 24

PROJECT NO: ST-20-01

FILE: BASE.DWG



CONSTRUCT 5.7' LONG CURB RAMP.
DEPRESS LANDING AS REQUIRED TO
MAINTAIN REQUIRED SLOPES. SEE
STANDARD DRAWING NO.315, TYPE D.

CONSTRUCT 7.5' LONG CURB RAMP.
DEPRESS LANDING AS REQUIRED TO
MAINTAIN REQUIRED SLOPES. SEE
STANDARD DRAWING NO.315, TYPE D.

CONSTRUCT 3.5' LONG CURB RAMP.
DEPRESS LANDING AS REQUIRED TO
MAINTAIN REQUIRED SLOPES. SEE
STANDARD DRAWING NO.315, TYPE D.

CONSTRUCT 7' LONG CURB RAMP.
DEPRESS LANDING AS REQUIRED TO
MAINTAIN REQUIRED SLOPES. SEE
STANDARD DRAWING NO.315, TYPE D.

NOTES:
1. CONTRACTOR SHALL COLLABORATE WITH THE ENGINEER
IN THE FIELD TO FINALIZE THE DESIGN OF EACH CURB
RAMP AND ENSURE COMPLIANCE WITH THE APPLICABLE
STANDARD DRAWINGS.

CONSTRUCT 7' LONG CURB RAMP.
DEPRESS LANDING AS REQUIRED TO
MAINTAIN REQUIRED SLOPES. SEE
STANDARD DRAWING NO.315, TYPE D.

CONSTRUCT 6' LONG CURB RAMP.
DEPRESS LANDING AS REQUIRED TO
MAINTAIN REQUIRED SLOPES. SEE
STANDARD DRAWING NO.315, TYPE D.

CONSTRUCT 7' LONG CURB RAMP.
DEPRESS LANDING AS REQUIRED TO
MAINTAIN REQUIRED SLOPES. SEE
STANDARD DRAWING NO.315, TYPE D.

CONSTRUCT 6.5' LONG CURB RAMP WITH
WING (S). DEPRESS LANDING AS REQUIRED
TO MAINTAIN REQUIRED SLOPES. SEE
STANDARD DRAWING NO.315, TYPE D.

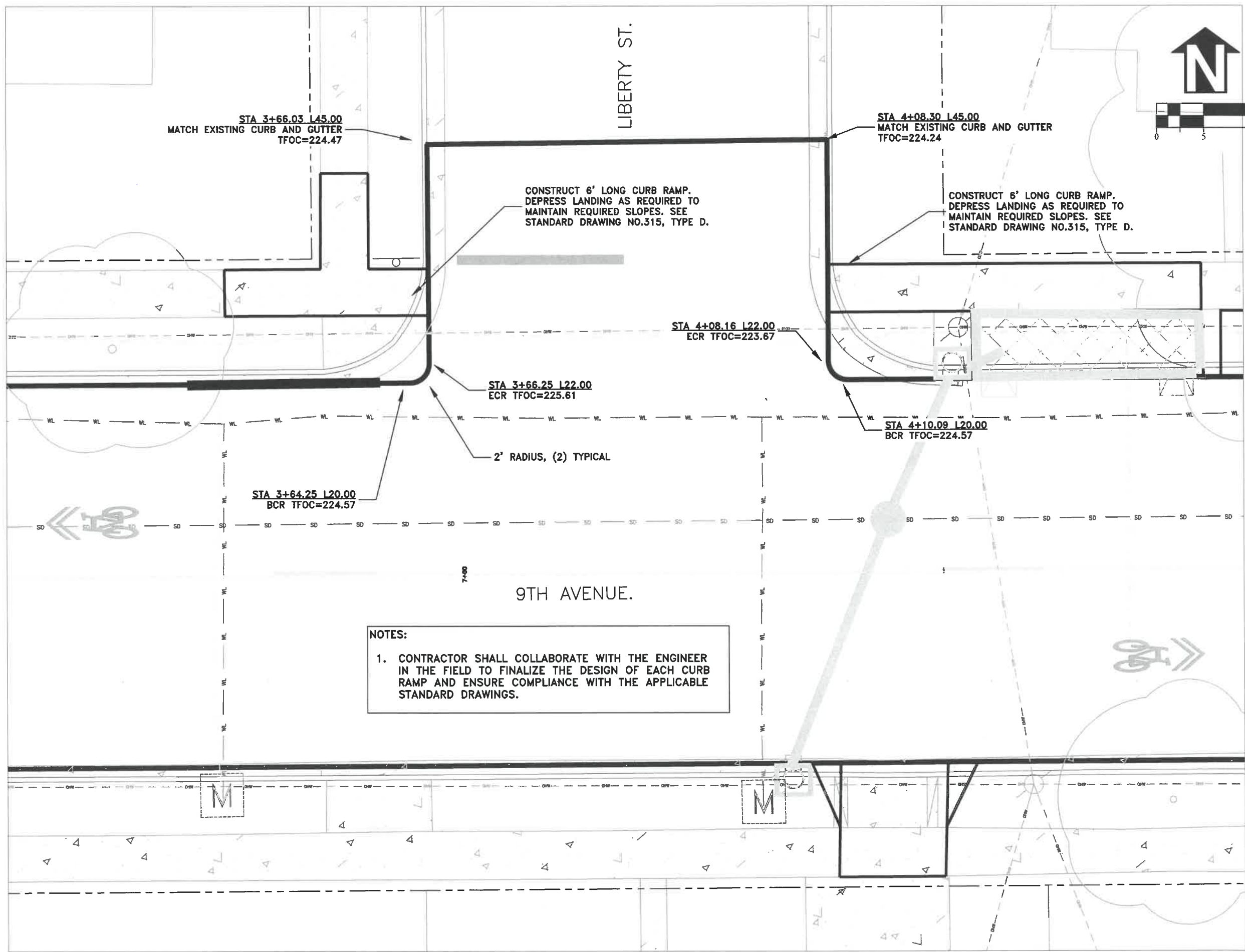
DESIGNED: A. MONACO	REVISIONS
DRAWN: A. MONACO	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 3/11/2020	DATE: --

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
LAWNCORNER STREET INTERSECTION DETAILS



EXPIRATION DATE: 12/31/2021
SHEET NO. 9 OF 24
PROJECT NO: ST-20-01
FILE: BASE.DWG




NOTES:

- CONTRACTOR SHALL COLLABORATE WITH THE ENGINEER IN THE FIELD TO FINALIZE THE DESIGN OF EACH CURB RAMP AND ENSURE COMPLIANCE WITH THE APPLICABLE STANDARD DRAWINGS.

DESIGNED: A. MONACO	REVISIONS
DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	DATE: ---

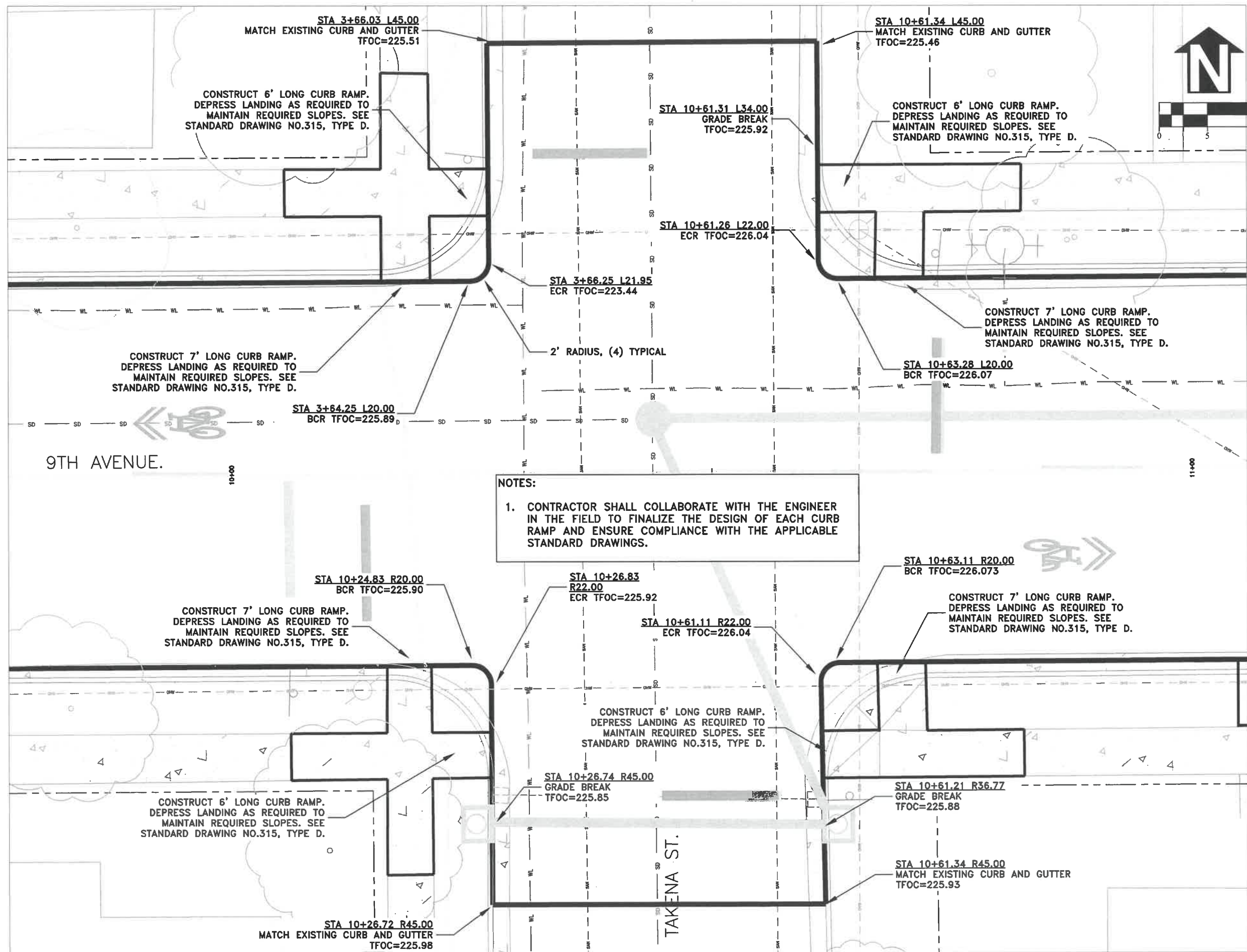
**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
LIBERTY STREET INTERSECTION DETAILS**

REGISTERED PROFESSIONAL
ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2021
SHEET NO. 10 OF 24
PROJECT NO: ST-20-01
FILE: BASE.DWG




NOTES:

1. CONTRACTOR SHALL COLLABORATE WITH THE ENGINEER IN THE FIELD TO FINALIZE THE DESIGN OF EACH CURB RAMP AND ENSURE COMPLIANCE WITH THE APPLICABLE STANDARD DRAWINGS.

DESIGNED: A. MONACO	REVISIONS	NO:	BY:
DRAWN: A. MONACO			
CHECKED: C. CERKLEWSKI			
DATE: 3/11/2020			

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES

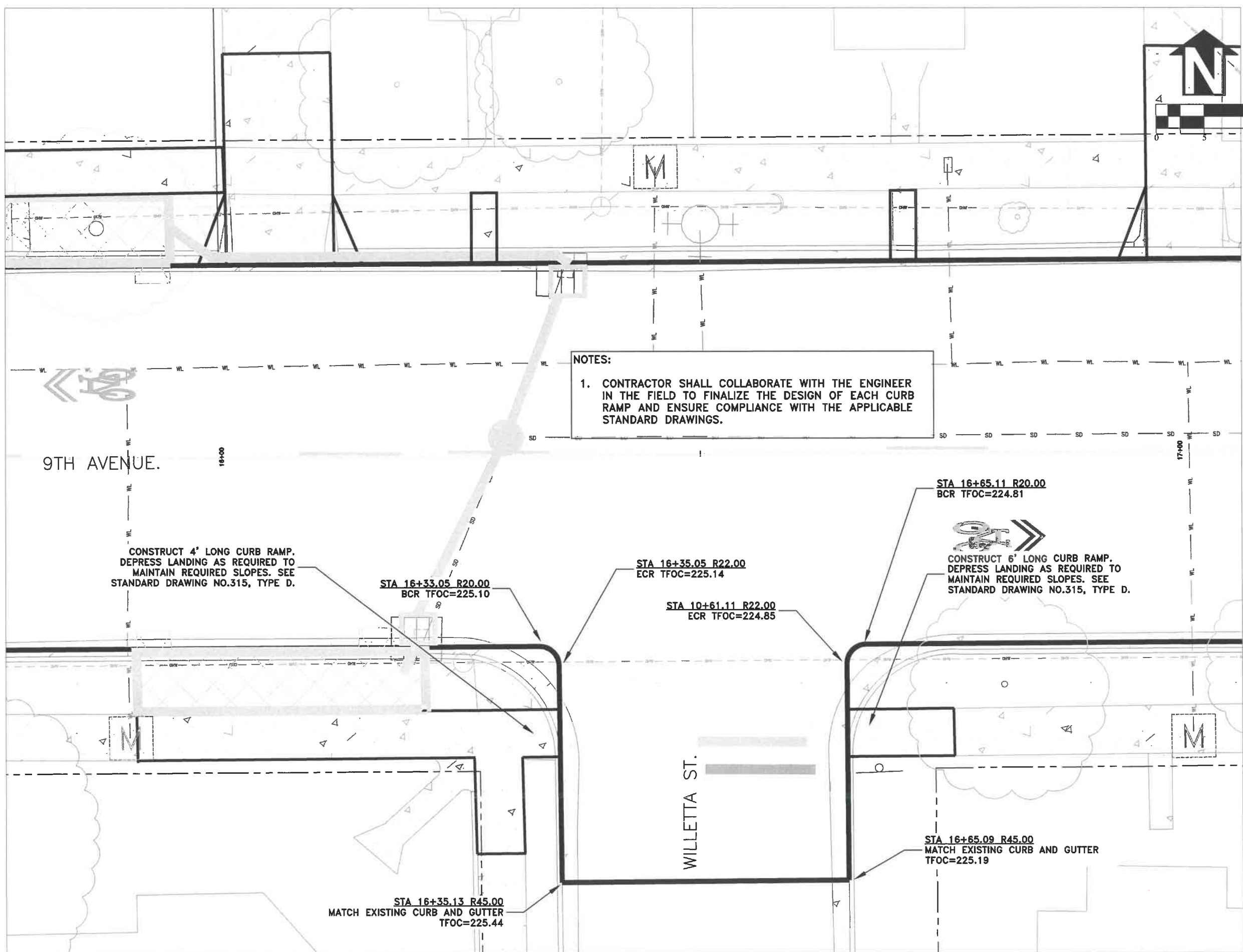


ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
TAKENA STREET INTERSECTION DETAILS

REGISTERED PROFESSIONAL ENGINEER
56,471PE
Christopher L. Cerkowski
OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2021

SHEET NO. 11 OF 24
PROJECT NO: ST-20-01
FILE: BASE.DWG



NOTES:

1. CONTRACTOR SHALL COLLABORATE WITH THE ENGINEER IN THE FIELD TO FINALIZE THE DESIGN OF EACH CURB RAMP AND ENSURE COMPLIANCE WITH THE APPLICABLE STANDARD DRAWINGS.

CONSTRUCT 4' LONG CURB RAMP. DEPRESS LANDING AS REQUIRED TO MAINTAIN REQUIRED SLOPES. SEE STANDARD DRAWING NO.315, TYPE D.

STA 16+65.11 R20.00
BCR TFOC=224.81

CONSTRUCT 6' LONG CURB RAMP. DEPRESS LANDING AS REQUIRED TO MAINTAIN REQUIRED SLOPES. SEE STANDARD DRAWING NO.315, TYPE D.

STA 16+35.05 R22.00
ECR TFOC=225.14

STA 10+61.11 R22.00
ECR TFOC=224.85

STA 16+65.09 R45.00
MATCH EXISTING CURB AND GUTTER
TFOC=225.19

STA 16+35.13 R45.00
MATCH EXISTING CURB AND GUTTER
TFOC=225.44

DESIGNED: A. MONACO
DRAWN: A. MONACO
CHECKED: C. CERKLEWSKI
DATE: 3/11/2020

REVISIONS	NO:	DATE:	BY:

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**ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
WILLETTA STREET INTERSECTION DETAILS**

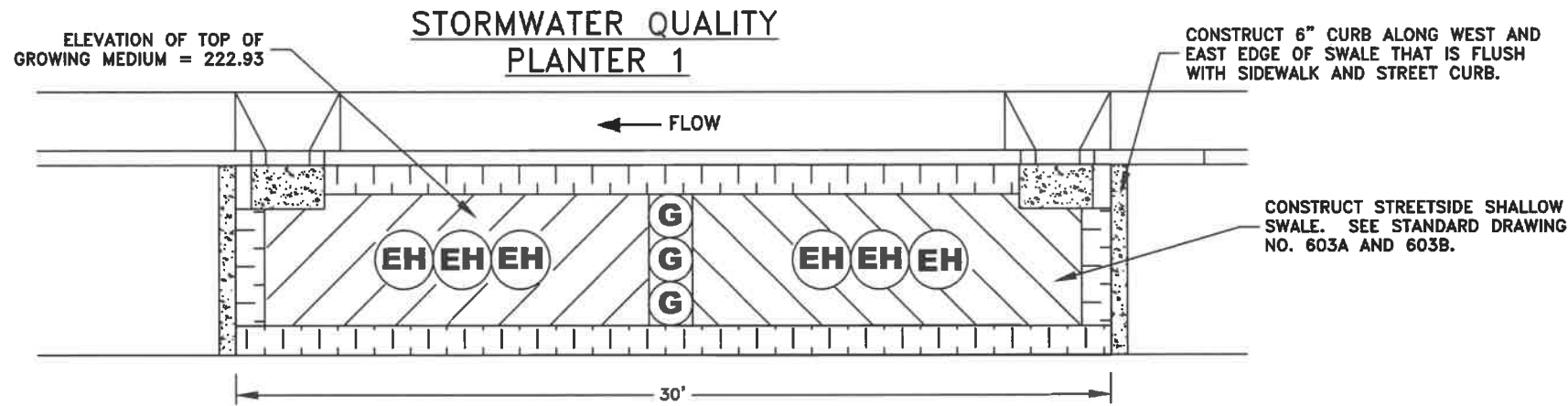


EXPIRATION DATE: 12/31/2021

SHEET NO. 12 OF 24

PROJECT NO: ST-20-01

FILE: BASE.DWG

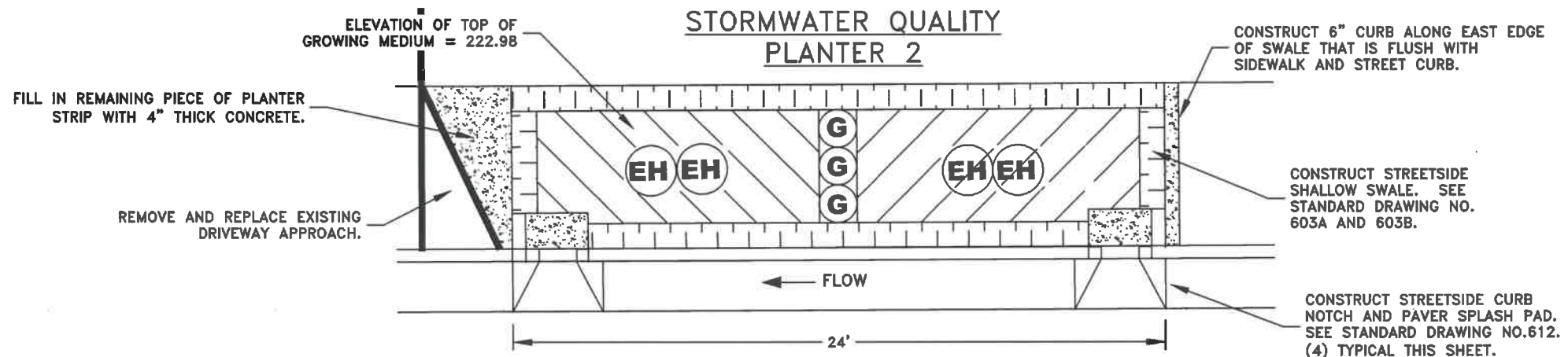


**PLANTER 1
PLANTING SCHEDULE**

SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	APPROX QTY
	KINNICKINNICK	ARCTOSTAPHYLOS UVA-URSI	1 GAL.	60
	CREEPING OREGON GRAPE	MAHONIA REPENS	1 GAL.	3
	SLOUGH SEDGE	CAREX OBNUPTA	1 GAL.	50
	ELK BLUE GREY RUSH	JUNCUS PATENS 'ELK BLUE'	1 GAL.	33
	EVERGREEN HUCKLEBERRY	VACCINIUM OVATUM	1 GAL.	6

**PLANTER 1
CURB NOTCH DATA**

STATION	INVERT ELEVATION
4+30.32 R20.00	223.09
4+56.40 R20.00	223.18



**PLANTER 2
PLANTING SCHEDULE**


SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	APPROX QTY
	KINNICKINNICK	ARCTOSTAPHYLOS UVA-URSI	1 GAL.	54
	CREEPING OREGON GRAPE	MAHONIA REPENS	1 GAL.	3
	SLOUGH SEDGE	CAREX OBNUPTA	1 GAL.	40
	ELK BLUE GREY RUSH	JUNCUS PATENS 'ELK BLUE'	1 GAL.	30
	EVERGREEN HUCKLEBERRY	VACCINIUM OVATUM	1 GAL.	4

**PLANTER 2
CURB NOTCH DATA**

STATION	INVERT ELEVATION
4+51.68 R20.00	223.66
4+74.11 R20.00	223.73

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DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	DATE: ---

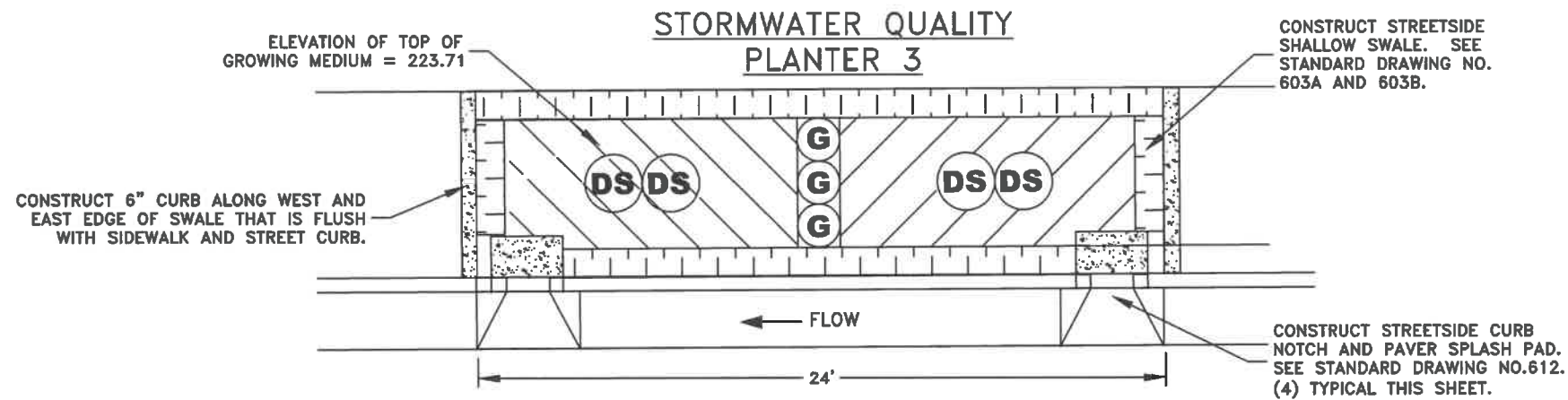
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**ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STORMWATER QUALITY PLANTER DETAILS (1 AND 2)**

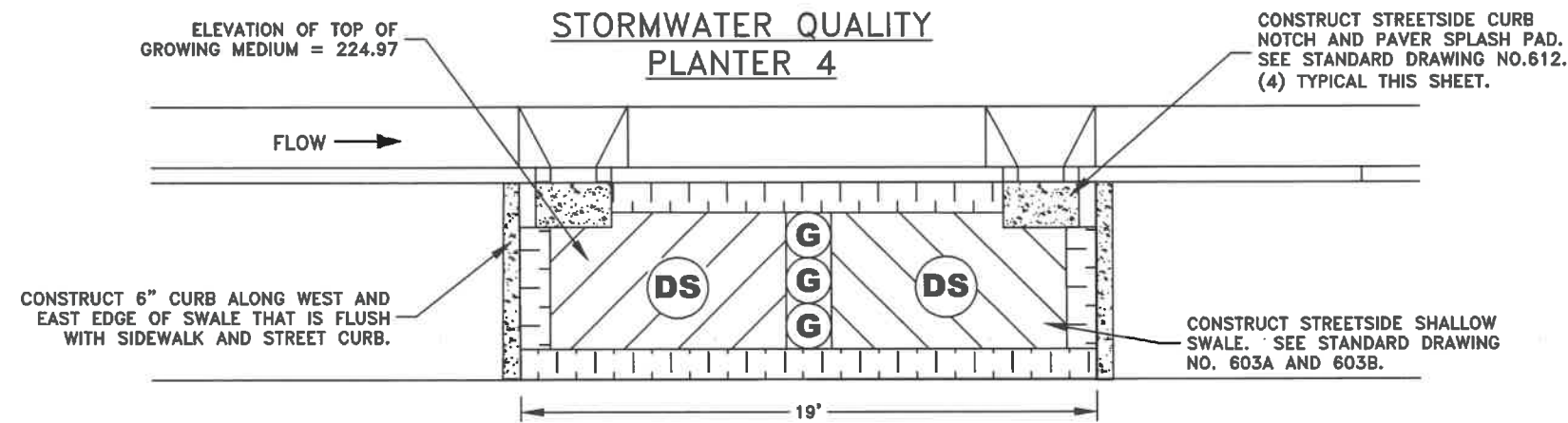


EXPIRATION DATE: 12/31/2021
 SHEET NO. 13 OF 24
 PROJECT NO: ST-20-01
 FILE: BASE.DWG



SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	APPROX QTY
	KINNICKINNICK	ARCTOSTAPHYLOS UVA-URSI	1 GAL.	48
	CREEPING OREGON GRAPE	MAHONIA REPENS	1 GAL.	3
	SLOUGH SEDGE	CAREX OBNUPTA	1 GAL.	40
	ELK BLUE GREY RUSH	JUNCUS PATENS 'ELK BLUE'	1 GAL.	30
	DOUGLAS SPIREA	SPIREA DOUGLASII	1 GAL.	4

STATION	INVERT ELEVATION
7+56.07 R20.00	224.54
7+74.51 R20.00	224.63



SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	APPROX QTY
	KINNICKINNICK	ARCTOSTAPHYLOS UVA-URSI	1 GAL.	39
	CREEPING OREGON GRAPE	MAHONIA REPENS	1 GAL.	3
	SLOUGH SEDGE	CAREX OBNUPTA	1 GAL.	30
	ELK BLUE GREY RUSH	JUNCUS PATENS 'ELK BLUE'	1 GAL.	20
	DOUGLAS SPIRAEA	SPIREA DOUGLASII	1 GAL.	2

STATION	INVERT ELEVATION
11+23.14 R20.00	225.72
11+38.71 R20.00	225.68

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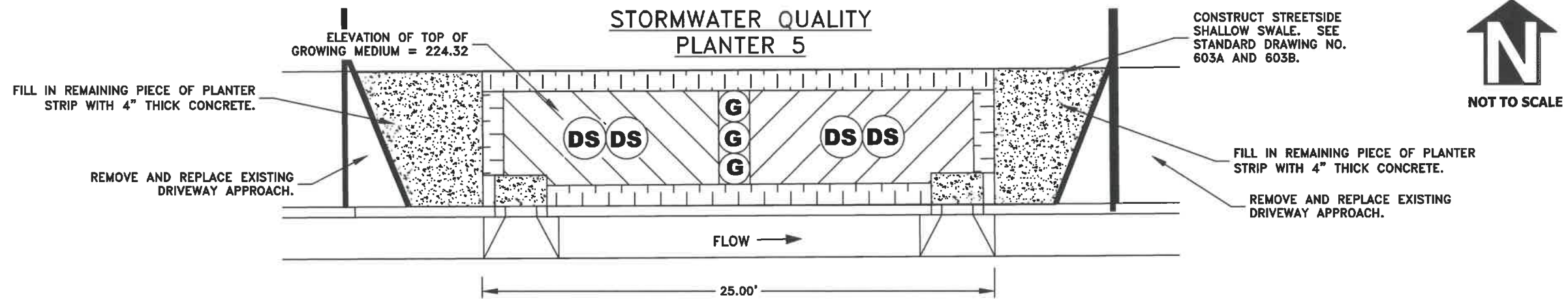
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ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STORMWATER QUALITY PLANTER DETAILS (3 AND 4)

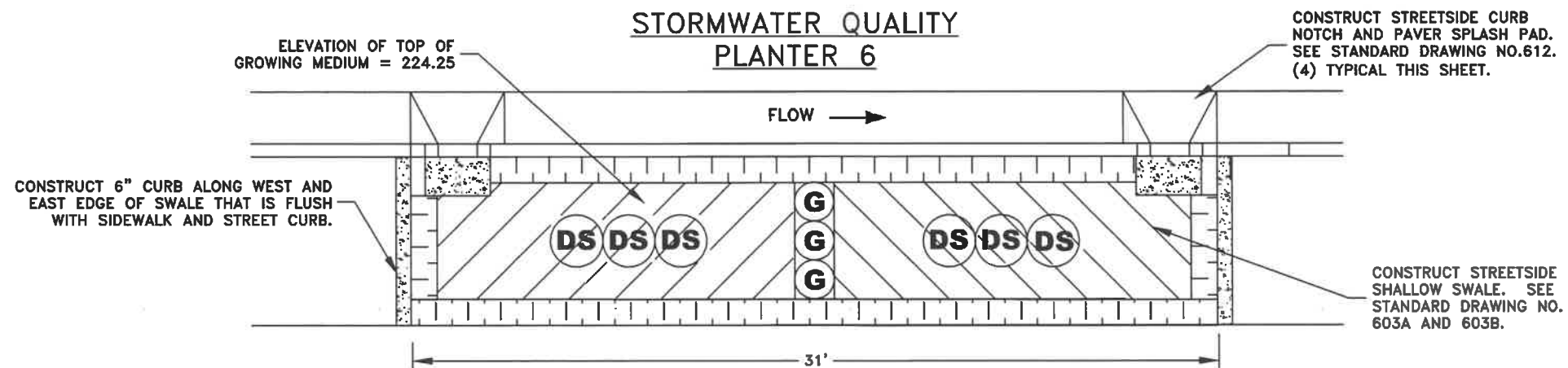


EXPIRATION DATE: 12/31/2021
SHEET NO. 14 OF 24
PROJECT NO: ST-20-01
FILE: BASE.DWG



SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	APPROX QTY
	KINNICKINNICK	ARCTOSTAPHYLOS UVA-URSI	1 GAL.	50
	CREEPING OREGON GRAPE	MAHONIA REPENS	1 GAL.	3
	SLOUGH SEDGE	CAREX OBNUPTA	1 GAL.	42
	ELK BLUE GREY RUSH	JUNCUS PATENS 'ELK BLUE'	1 GAL.	28
	DOUGLAS SPIRAEA	SPIREA DOUGLASII	1 GAL.	4

STATION	INVERT ELEVATION
15+71.49 R20.00	224.57
15+92.91 R20.00	224.50



SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	APPROX QTY
	KINNICKINNICK	ARCTOSTAPHYLOS UVA-URSI	1 GAL.	64
	CREEPING OREGON GRAPE	MAHONIA REPENS	1 GAL.	3
	SLOUGH SEDGE	CAREX OBNUPTA	1 GAL.	58
	ELK BLUE GREY RUSH	JUNCUS PATENS 'ELK BLUE'	1 GAL.	46
	DOUGLAS SPIRAEA	SPIREA DOUGLASII	1 GAL.	6

STATION	INVERT ELEVATION
15+92.73 R20.00	225.00
16+16.02 R20.00	224.94

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DRAWN: A. MONACO			
CHECKED: C. CERKLEWSKI			
DATE: 3/11/2020			



NOT TO SCALE

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ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STORMWATER QUALITY PLANTER DETAILS (5 AND 6)



EXPIRATION DATE: 12/31/2021

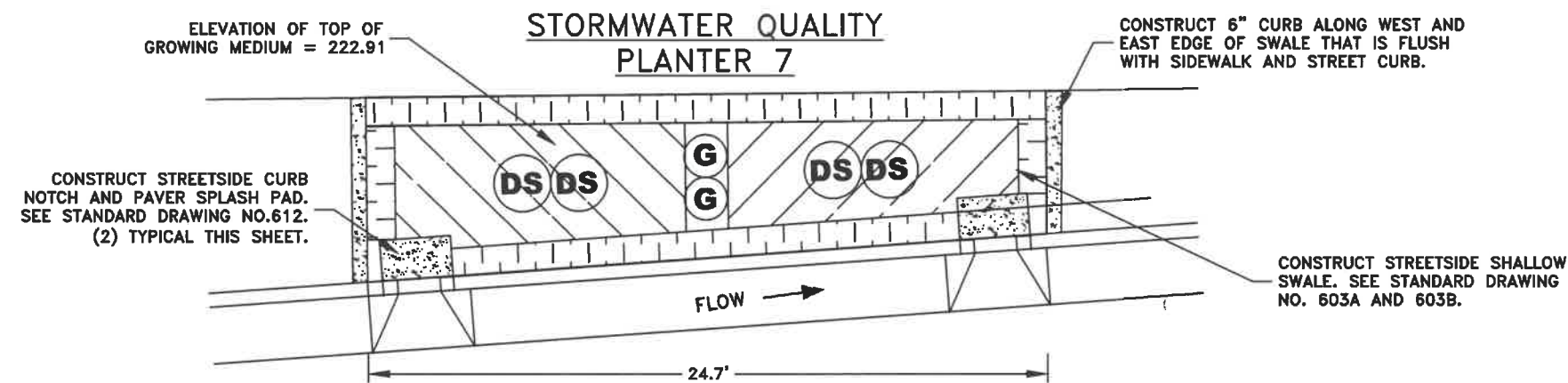
SHEET NO. 15 OF 24

PROJECT NO: ST-20-01

FILE: BASE.DWG



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DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	DATE: ---
	NO: ---
	BY: ---
	DATE: ---



SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	APPROX QTY
	KINNICKINNICK	ARCTOSTAPHYLOS UVA-URSI	1 GAL.	47
	CREeping OREGON GRAPE	MAHONIA REPENS	1 GAL.	2
	SLOUGH SEDGE	CAREX OBNUPTA	1 GAL.	30
	ELK BLUE GREY RUSH	JUNCUS PATENS 'ELK BLUE'	1 GAL.	26
	DOUGLAS SPIREA	SPIREA DOUGLASII	1 GAL.	4

STATION	INVERT ELEVATION
18+63.91 R20.52	222.66
18+83.28 R21.49	222.07

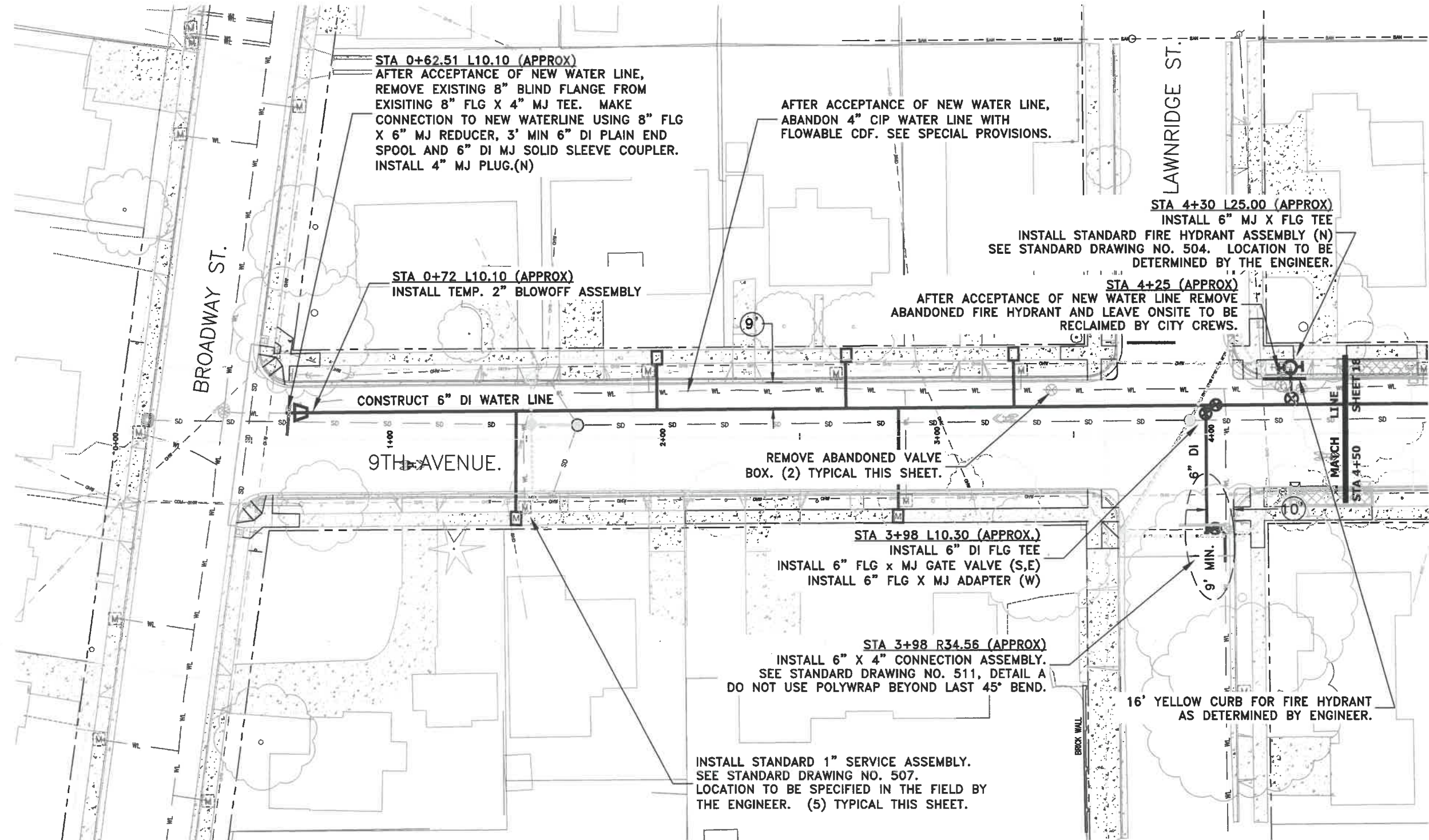
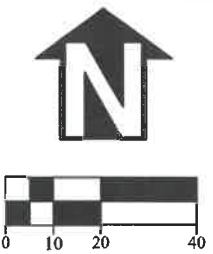
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ENGINEERING SERVICES

ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
STORMWATER QUALITY PLANTER DETAILS (7)




EXPIRATION DATE: 12/31/2021

SHEET NO. 16 OF 24
PROJECT NO: ST-20-01
FILE: BASE.DWG



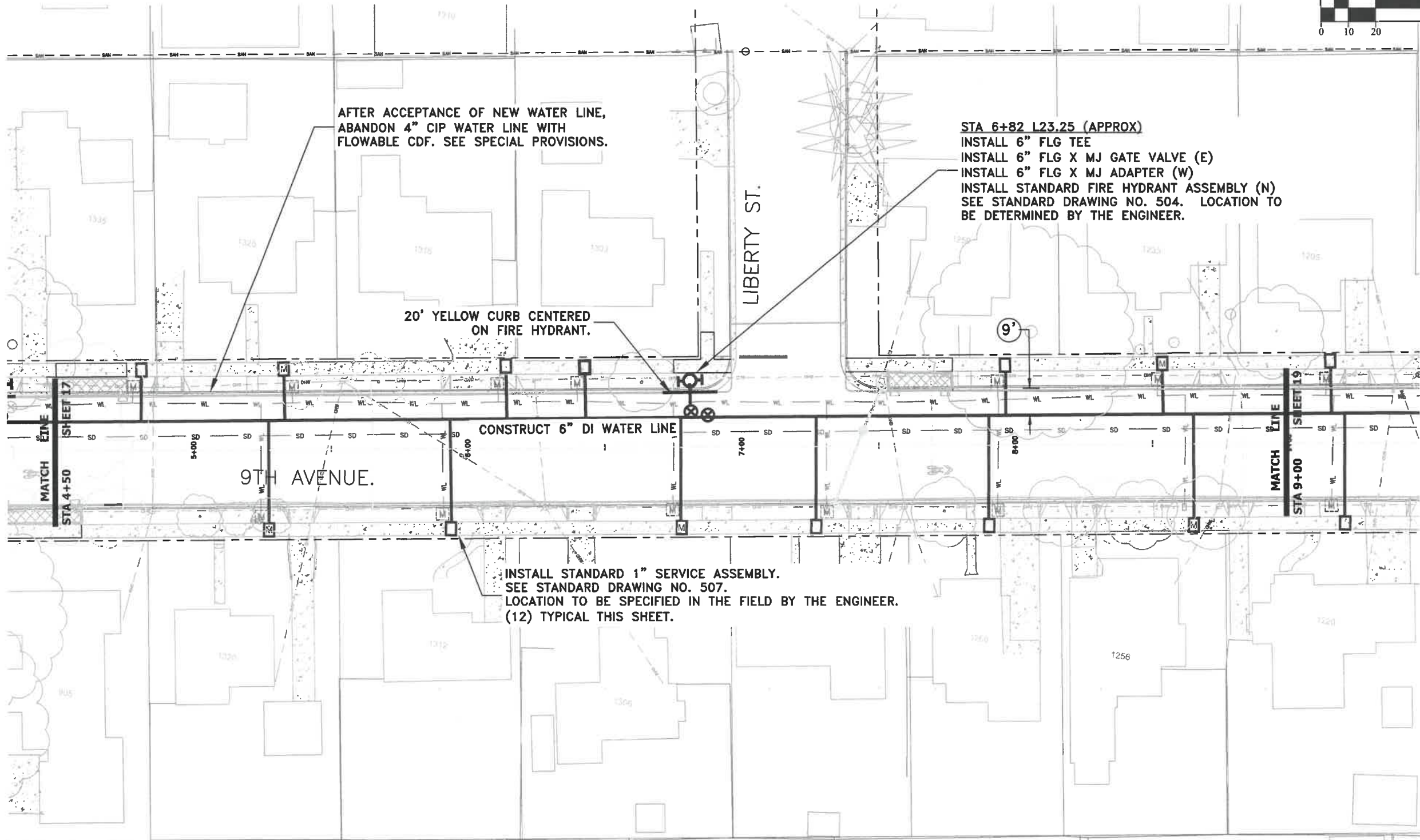
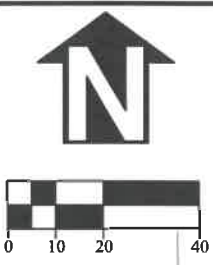
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DRAWN: A. MONACO	NO: --
CHECKED: C. CERKLEWSKI	BY: --
DATE: 3/11/2020	DATE: --

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ENGINEERING SERVICES



ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
WATER LINE CONSTRUCTION

EXPIRATION DATE: 12/31/2021
SHEET NO. 17 OF 24
PROJECT NO: ST-20-01
FILE: BASE.DWG



AFTER ACCEPTANCE OF NEW WATER LINE,
ABANDON 4" CIP WATER LINE WITH
FLOWABLE CDF. SEE SPECIAL PROVISIONS.

20' YELLOW CURB CENTERED
ON FIRE HYDRANT.

STA 6+82 L23.25 (APPROX)
INSTALL 6" FLG TEE
INSTALL 6" FLG X MJ GATE VALVE (E)
INSTALL 6" FLG X MJ ADAPTER (W)
INSTALL STANDARD FIRE HYDRANT ASSEMBLY (N)
SEE STANDARD DRAWING NO. 504. LOCATION TO
BE DETERMINED BY THE ENGINEER.

CONSTRUCT 6" DI WATER LINE

INSTALL STANDARD 1" SERVICE ASSEMBLY.
SEE STANDARD DRAWING NO. 507.
LOCATION TO BE SPECIFIED IN THE FIELD BY THE ENGINEER.
(12) TYPICAL THIS SHEET.

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DRAWN: A. MONACO
CHECKED: C. CERKLEWSKI
DATE: 3/11/2020

REVISIONS	
NO.	BY:

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES



ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
WATER LINE CONSTRUCTION

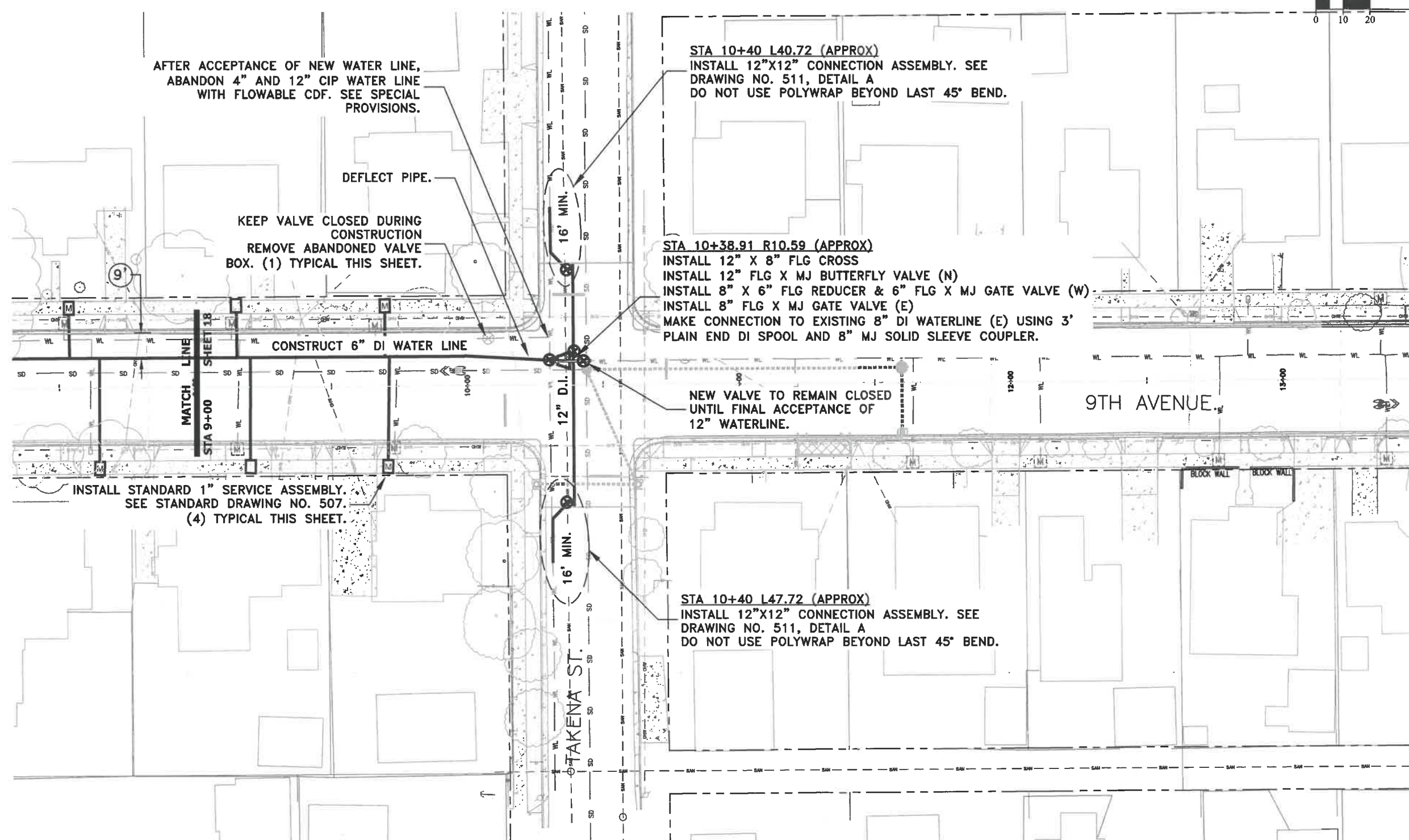


EXPIRATION DATE: 12/31/2021

SHEET NO. 18 OF 24

PROJECT NO: ST-20-01

FILE: BASE.DWG



AFTER ACCEPTANCE OF NEW WATER LINE,
ABANDON 4" AND 12" CIP WATER LINE
WITH FLOWABLE CDF. SEE SPECIAL
PROVISIONS.

DEFLECT PIPE.

KEEP VALVE CLOSED DURING
CONSTRUCTION
REMOVE ABANDONED VALVE
BOX. (1) TYPICAL THIS SHEET.

CONSTRUCT 6" DI WATER LINE

INSTALL STANDARD 1" SERVICE ASSEMBLY.
SEE STANDARD DRAWING NO. 507.
(4) TYPICAL THIS SHEET.

STA 10+40 L40.72 (APPROX)
INSTALL 12"x12" CONNECTION ASSEMBLY. SEE
DRAWING NO. 511, DETAIL A
DO NOT USE POLYWRAP BEYOND LAST 45° BEND.

STA 10+38.91 R10.59 (APPROX)
INSTALL 12" X 8" FLG CROSS
INSTALL 12" FLG X MJ BUTTERFLY VALVE (N)
INSTALL 8" X 6" FLG REDUCER & 6" FLG X MJ GATE VALVE (W)
INSTALL 8" FLG X MJ GATE VALVE (E)
MAKE CONNECTION TO EXISTING 8" DI WATERLINE (E) USING 3'
PLAIN END DI SPOOL AND 8" MJ SOLID SLEEVE COUPLER.

NEW VALVE TO REMAIN CLOSED
UNTIL FINAL ACCEPTANCE OF
12" WATERLINE.

STA 10+40 L47.72 (APPROX)
INSTALL 12"x12" CONNECTION ASSEMBLY. SEE
DRAWING NO. 511, DETAIL A
DO NOT USE POLYWRAP BEYOND LAST 45° BEND.

NOTES:
1. 12" DI WATERLINE CONNECTIONS SHALL BE COMPLETED DURING ONE SHUTDOWN.
2. 6" DI WATERLINE ON 9TH AVE. SHALL BE CONSTRUCTED AFTER 12" DI WATERLINE ON TAKENA HAS BEEN TESTED AND ACCEPTED.

DESIGNED: A. MONACO	REVISIONS:
DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	DATE: ---

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ENGINEERING SERVICES

ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
WATER LINE CONSTRUCTION

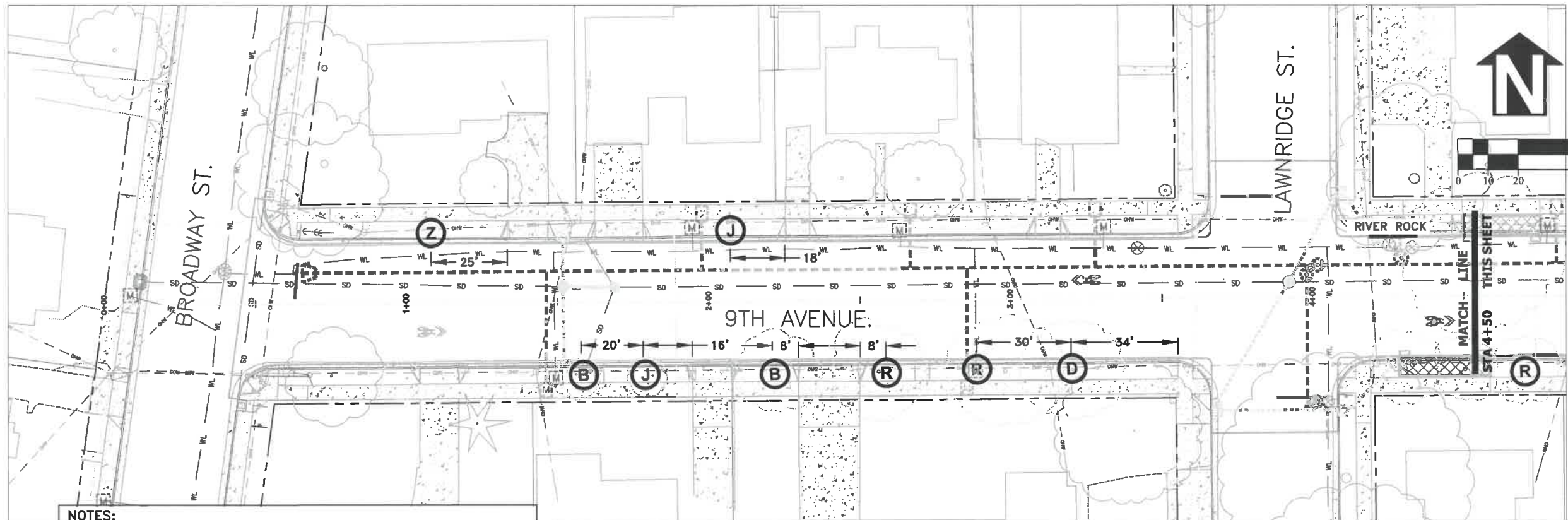


EXPIRATION DATE: 12/31/2021

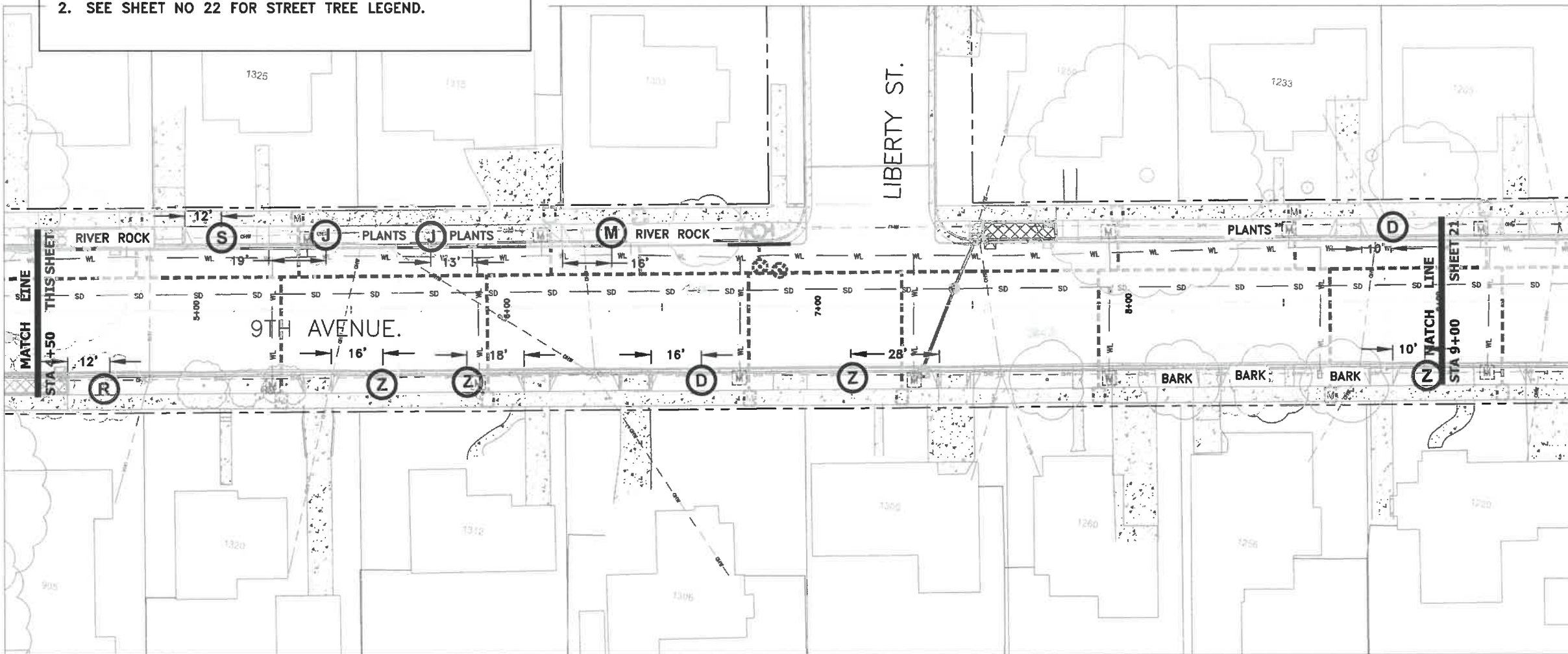
SHEET NO. 19 OF 24

PROJECT NO: ST-20-01

FILE: BASE.DWG




NOTES:
 1. PLANT TREES PER STANDARD DRAWING NO. 210 AND THE SPECIAL PROVISIONS.
 2. SEE SHEET NO 22 FOR STREET TREE LEGEND.



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 DRAWN: A. MONACO
 CHECKED: C. CERKLEWSKI
 DATE: 3/11/2020

REVISIONS	NO:	BY:

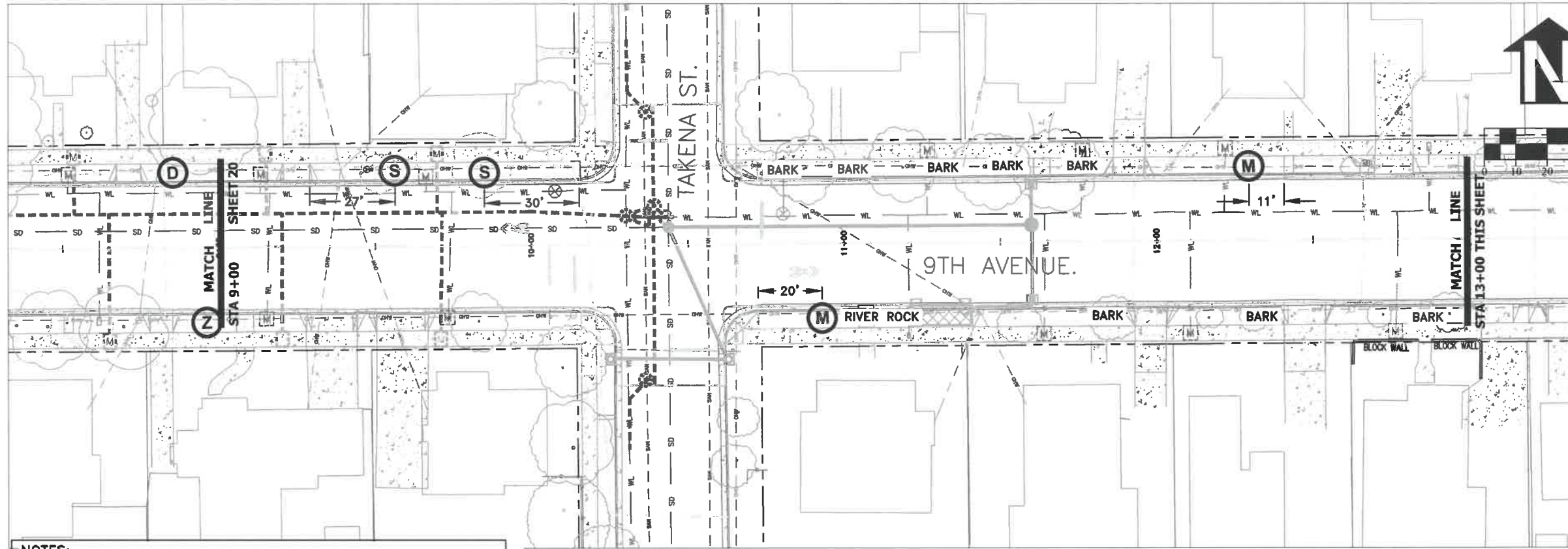
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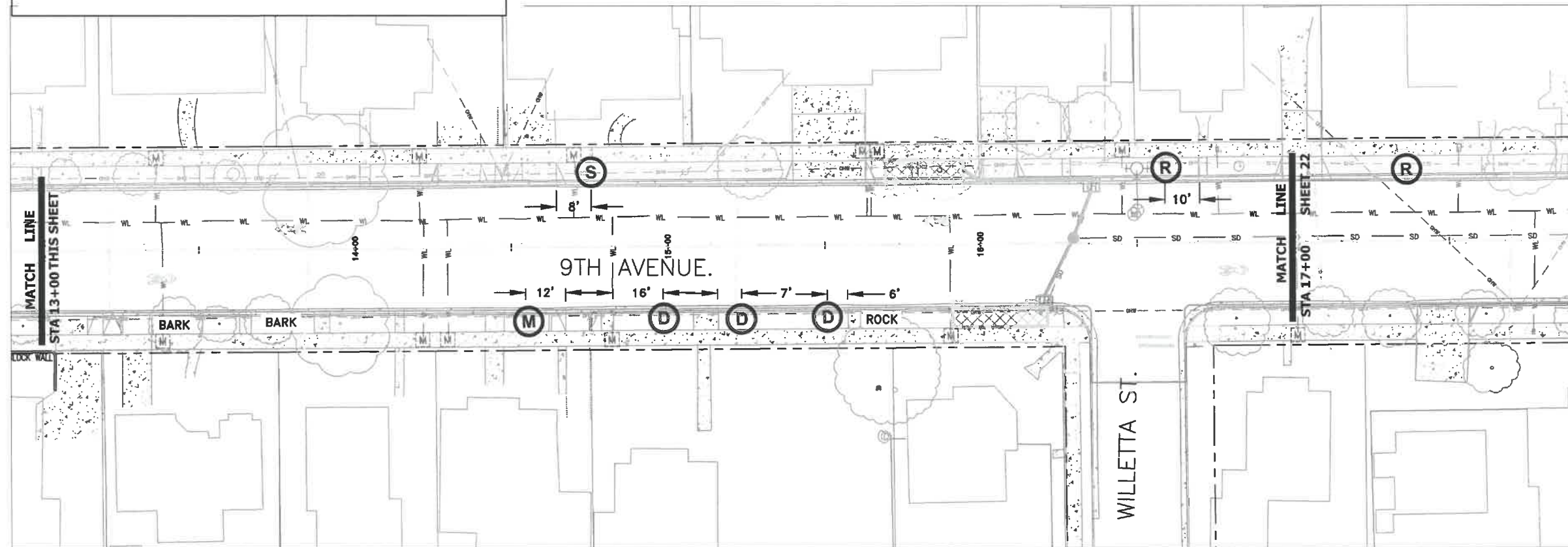
ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
LANDSCAPING PLAN

REGISTERED PROFESSIONAL
 ENGINEER
 56,471PE
Christopher L. Chelmski
 OREGON
 JULY 9, 2002
 CHRISTOPHER L. CERKLEWSKI

EXPIRATION DATE: 12/31/2021
 SHEET NO. 20 OF 24
 PROJECT NO: ST-20-01
 FILE: BASE.DWG



NOTES:
 1. PLANT TREES PER STANDARD DRAWING NO. 210 AND THE SPECIAL PROVISIONS.
 2. SEE SHEET NO 22 FOR STREET TREE LEGEND.



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ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
LANDSCAPING PLAN

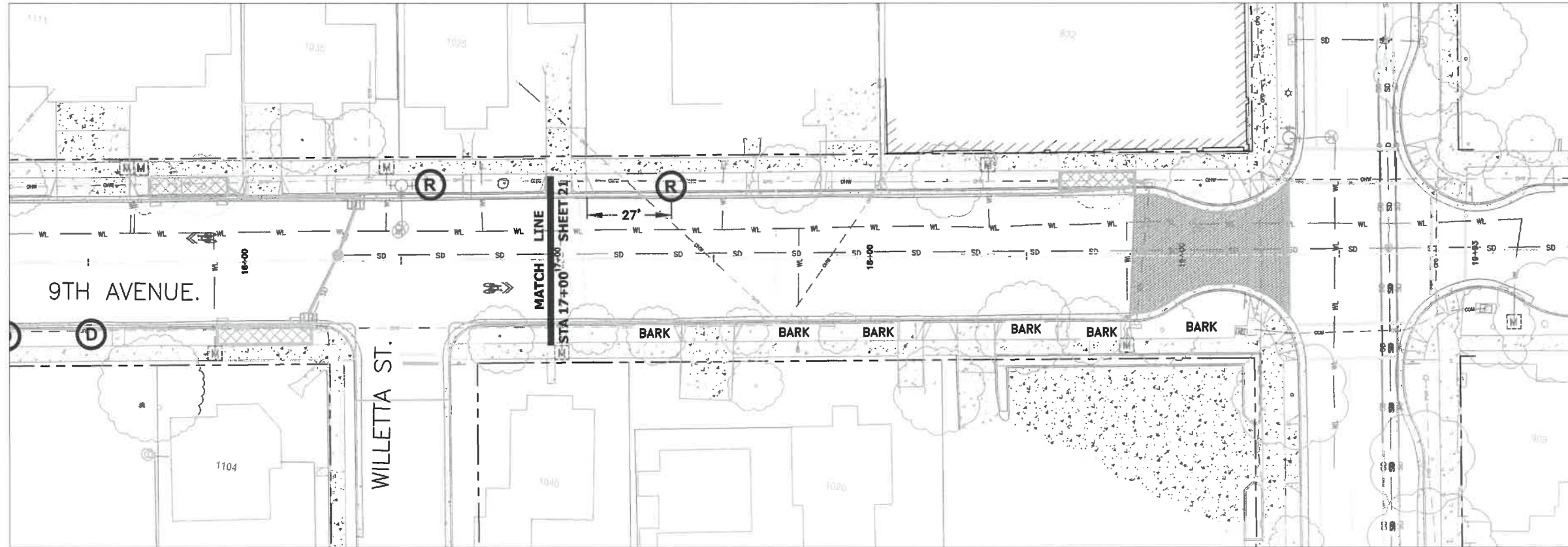
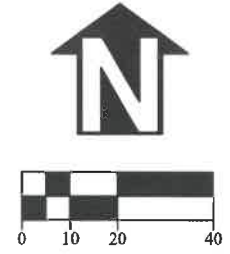


EXPIRATION DATE: 12/31/2021

SHEET NO. 21 OF 24

PROJECT NO: ST-20-01

FILE: BASE.DWG



NOTES:
 1. PLANT TREES PER STANDARD DRAWING NO. 210 AND THE SPECIAL PROVISIONS.

STREET TREE LEGEND	
(J)	JAPANESE SNOWBELL
(R)	ROYAL BURGUNDY CHERRY
(B)	PAPERBARK MAPLE
(S)	SNOWCLOUD SERVICEBERRY
(M)	MERRIL MAGNOLIA HYBRID
(D)	DOGWOOD
(Z)	CITY SPRITE ZELKOVA

DESIGNED: A. MONACO
 DRAWN: A. MONACO
 CHECKED: C. CERKLEWSKI
 DATE: 3/11/2020

REVISIONS	
NO.	BY:

**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**



**ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
 LANDSCAPING PLAN**



EXPIRATION DATE: 12/31/2021
 SHEET NO. 22 OF 24
 PROJECT NO: ST-20-01
 FILE: BASE.DWG

GENERAL NOTES:

1. TOTAL DISTURBED AREA OF PROJECT: 1.25 ACRES
2. A COPY OF THE 1200-CN EROSION PREVENTION AND SEDIMENT CONTROL PERMIT SHALL BE MAINTAINED ON SITE AT ALL TIMES.
3. PERMANENT RE-SEEDING OF DISTURBED SURFACES SHALL BE COMPLETED WITH A 50-50 BLEND OF PERENNIAL RYEGRASS AND FINE FESCUE OR APPROVED EQUAL AT A RATE OF 220 POUNDS PER ACRE UNLESS SHOWN OTHERWISE ON THE CONSTRUCTION DRAWINGS.
4. VACUUM SWEEP ALL CONCRETE GUTTERS AND UNDISTURBED PAVEMENT WITHIN THE PROJECT LIMITS, AS WELL AS SIDE STREETS AND CONSTRUCTION ENTRANCES WITHIN 300 FEET OF THE PROJECT LIMITS, AT LEAST ONCE PER WEEK AND AS DIRECTED BY THE ENGINEER.

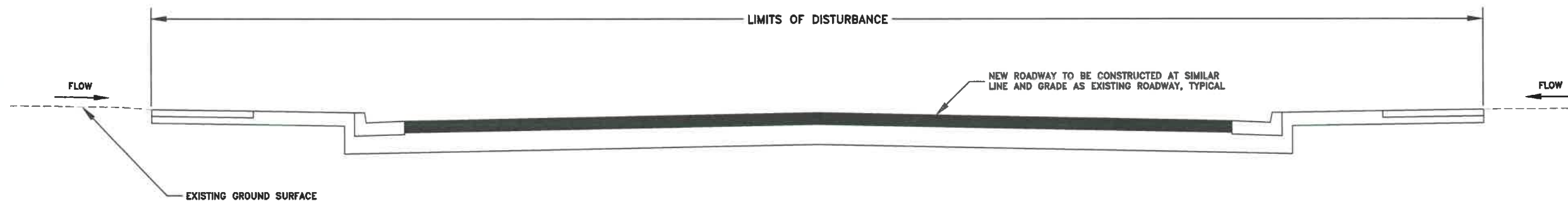
STANDARD PERMIT CONDITIONS

1. PRIOR TO ANY GROUND DISTURBING ACTIVITY ON THE SITE, AN INITIAL INSPECTION BY CITY STAFF IS REQUIRED. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES MUST BE IN PLACE PRIOR TO THE INSPECTOR ARRIVING. CALL (541) 791-0116 TO SCHEDULE YOUR INSPECTION.
2. EPSC MEASURES MUST BE INSTALLED IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT ENTER UPON ADJACENT PROPERTIES OR RIGHTS-OF-WAY, THE STORMWATER SYSTEM, WETLANDS, OR WATERS OF THE STATE.
3. EPSC MEASURES SHOWN ON THE PLANS ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THE EPSC MEASURES SHALL BE UPGRADED AS NEEDED FOR CHANGING CONDITIONS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE.
4. EPSC MEASURES SHALL BE INSPECTED DAILY BY THE PERMIT HOLDER, AND MAINTAINED AS NECESSARY TO ENSURE THEIR FUNCTION.
5. STABILIZED GRAVEL CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
6. EPSC MEASURES SHALL BE KEPT IN PLACE UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
7. EXPOSED SOIL MUST BE PERMANENTLY STABILIZED AGAINST WIND AND WATER EROSION BEFORE THE EPSC PERMIT CAN BE CLOSED. ONCE THE SITE IS STABILIZED, SCHEDULE A FINAL INSPECTION BY CALLING (541) 791-0116. PERMANENT SOIL STABILIZATION INCLUDES LANDSCAPING, SEEDING, OR COVERING EXPOSED SOIL WITH A MINIMUM 2-INCH LAYER OF BARK OR WOOD CHIPS.
8. IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO ENSURE THAT ANY PROPOSED GRADING, FILL, EXCAVATION, OR OTHER SITE WORK DOES NOT NEGATIVELY IMPACT DRAINAGE PATTERNS TO OR FROM ADJACENT PROPERTIES.

WET WEATHER PERMIT CONDITIONS


1. WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT FROM OCTOBER 1 THROUGH APRIL 30.
2. SOIL EXPOSED FOR MORE THAN 2 DAYS SHALL BE COVERED WITH PLASTIC SHEETING, MATTING, OR A 2-INCH LAYER OF MULCH, BARK, WOOD CHIPS, SAWDUST, OR STRAW TO MINIMIZE EROSION POTENTIAL.
3. EXPOSED SOILS SHALL BE SEEDED NO LATER THAN SEPTEMBER 1ST TO ALLOW TIME FOR PROPER GERMINATION AND GROWTH BEFORE THE WET WEATHER SEASON.
4. ANY DISTURBED AREAS NOT HYDROSEEDING BY SEPTEMBER 1ST SHALL BE HYDROSEEDING WITH A LAYER OF ECOBLANKET WITH TERRASEEDING BY REXIUS, INC. OR APPROVED EQUAL. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE USE OF ECOBLANKET AND TERRASEEDING.

**TYPICAL 9TH AVE. CROSS SECTION
(LOOKING EAST)**



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DRAWN: A. MONACO	NO: ---
CHECKED: C. CERKLEWSKI	BY: ---
DATE: 3/11/2020	---

**PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES**



**ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
EROSION PREVENTION AND SEDIMENT CONTROL NOTES**

**REGISTERED PROFESSIONAL
ENGINEER
56,471PE**

Christopher L. Cerkowski

**OREGON
JULY 9, 2002
CHRISTOPHER L. CERKLEWSKI**

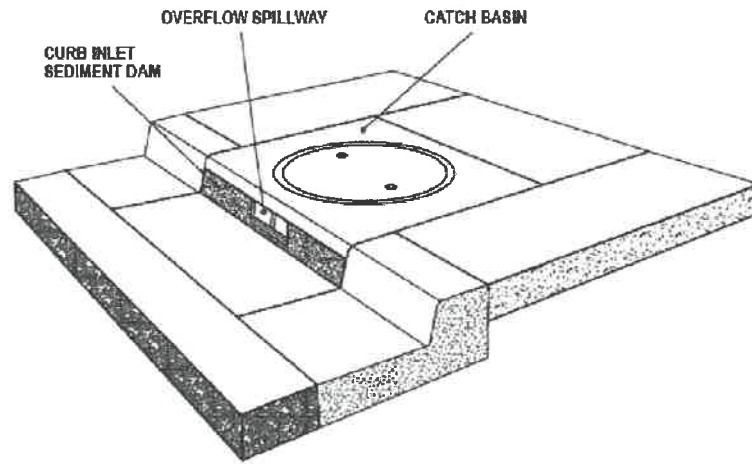
EXPIRATION DATE: 12/31/2021

SHEET NO. 23 OF 24

PROJECT NO: ST-20-01

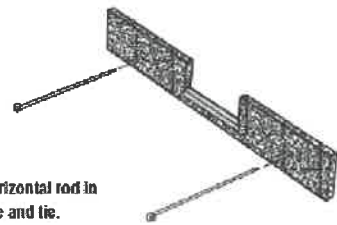
FILE: BASE.DWG

Curb Inlet Sediment Dam



PRODUCT DATA:
 Material: 100% Non-woven Polyfiber
 Color: Blue
 Height: 5" (Custom)
 Widths: 36" - 54" - 70" (Custom)

INSTALLATION:
 Place strap through hole(s) provided. Wrap around the horizontal rod in mouth of curb inlet and extend strap through adjacent hole and tie.

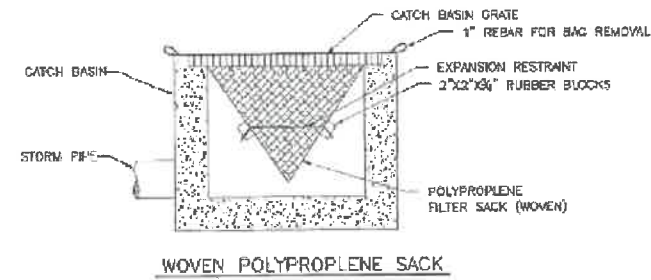


AMERICAN ENVIRONMENTAL PROTECTIVE SOLUTIONS & PRODUCT®
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 Eugene OR 97402
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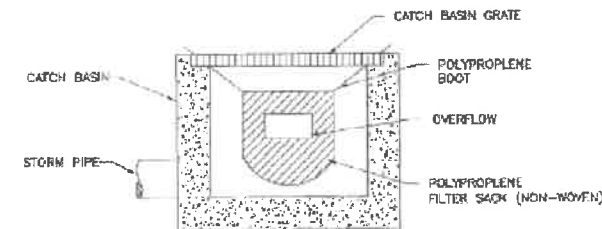
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Chapter 4

Diagram 4.3.7e
INLET PROTECTION TYPE 5



WOVEN POLYPROPYLENE SACK



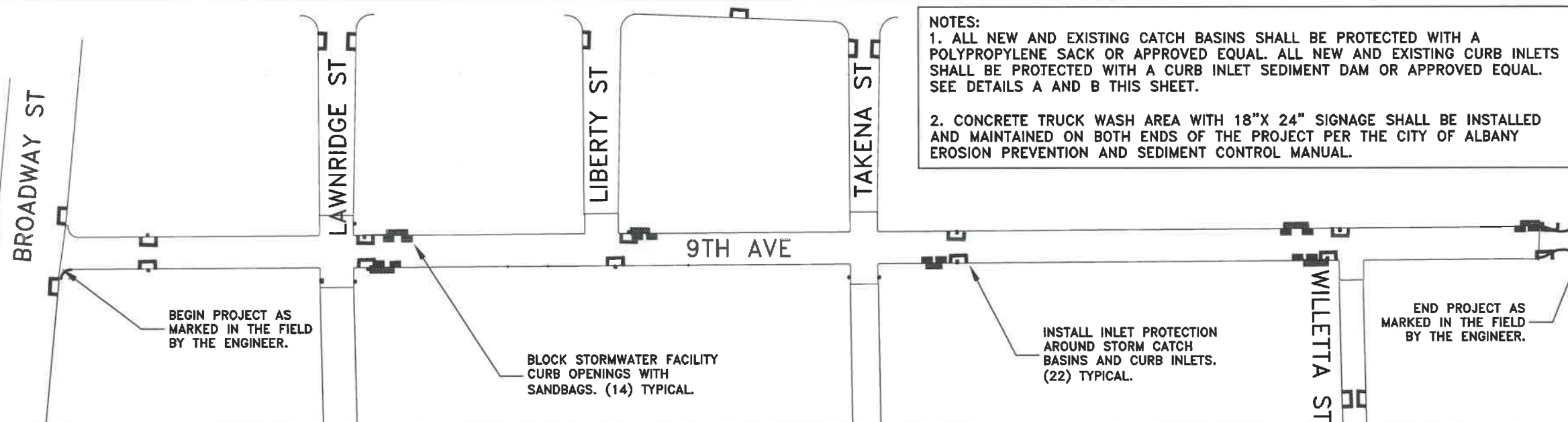
NON-WOVEN POLYPROPYLENE SACK

NOTE:
 1. RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS. SIZE OF FILTER FABRIC INLET SACKS TO BE DETERMINED BY MANUFACTURER.

EPSC Manual

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City of Albany



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**PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES**

**ST-20-01, 9TH AVENUE STREET IMPROVEMENTS
 EROSION PREVENTION AND SEDIMENT CONTROL DETAILS**



EXPIRATION DATE: 12/31/2021
 SHEET NO. 24 OF 24
 PROJECT NO: ST-20-01
 FILE: BASE.DWG