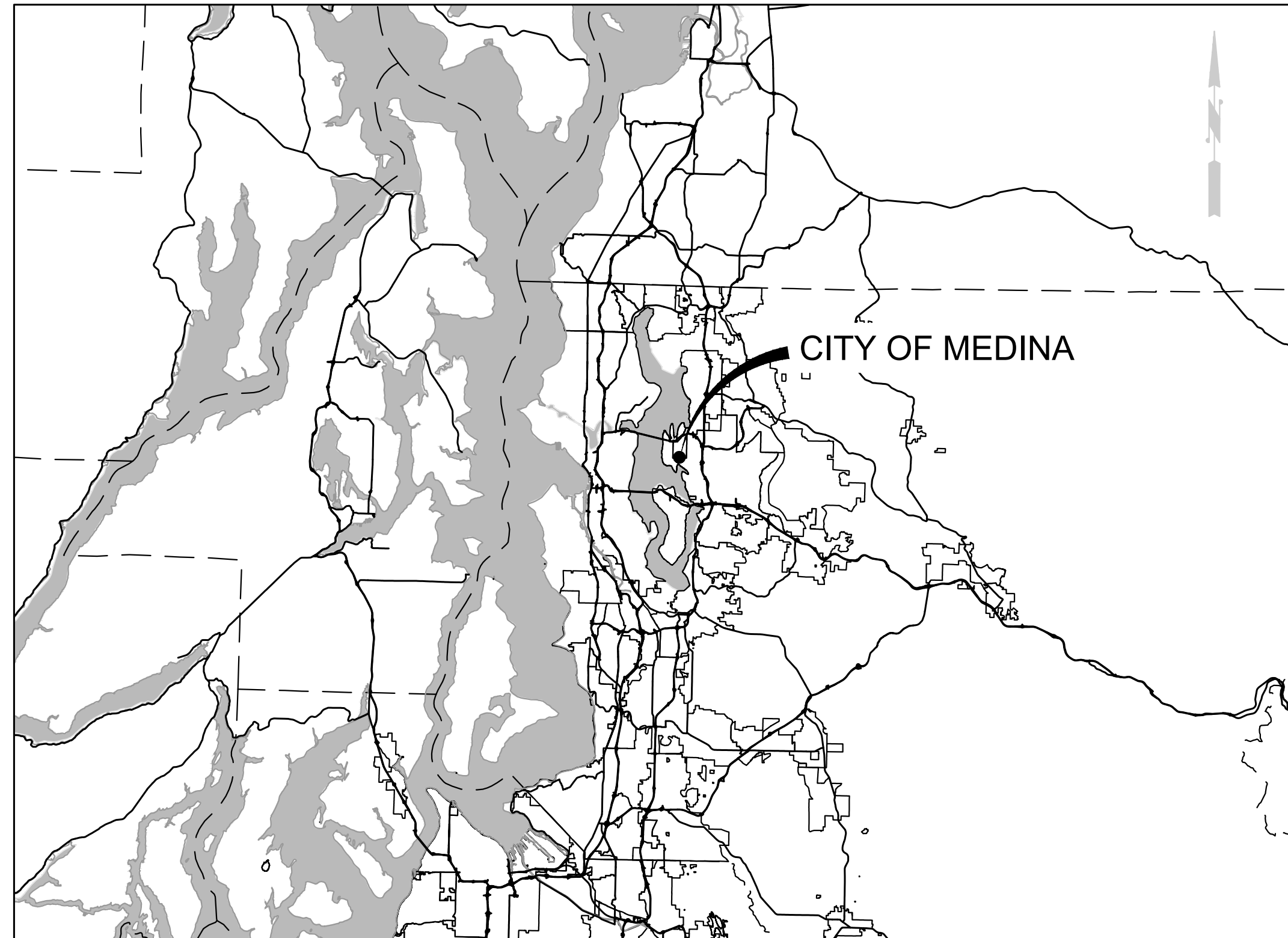


# CITY OF MEDINA

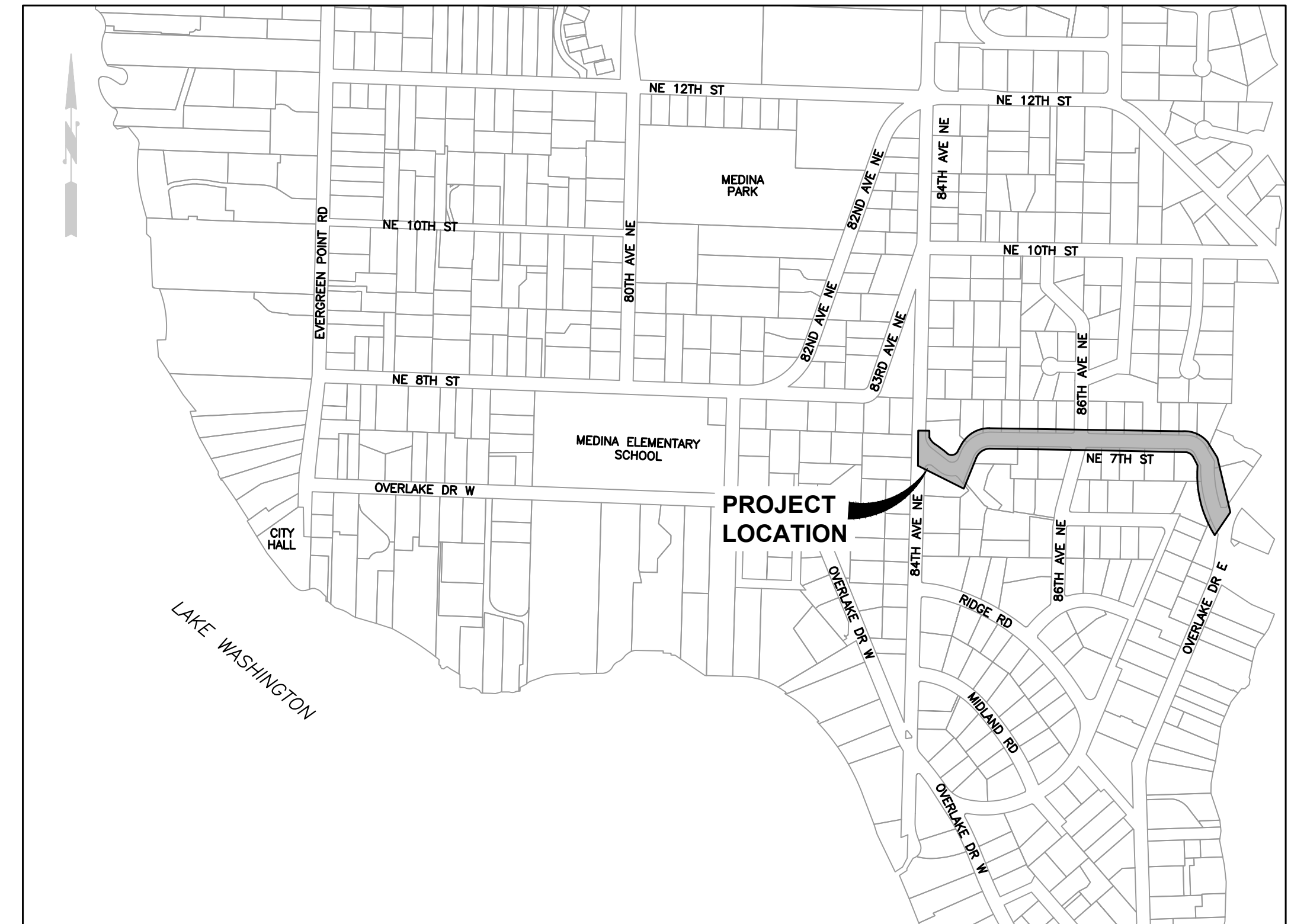
KING COUNTY

WASHINGTON

## NE 7TH STREET IMPROVEMENTS



VICINITY MAP  
NOT TO SCALE



PROJECT LOCATION MAP  
NOT TO SCALE

### CITY OFFICIALS

JESSICA ROSSMAN  
MAYOR

RANDY REEVES  
DEPUTY MAYOR

JENNIFER GARONE

MAC JOHNSTON

STEVE BURNS  
INTERIM CITY MANAGER

HARINI GOKUL

CITY COUNCIL

CYNTHIA ADKINS

BOB ZOOK

RYAN OSADA  
PUBLIC WORKS DIRECTOR



Gray & Osborne, Inc.  
CONSULTING ENGINEERS  
3710 168TH STREET NE, BLDG. B, SUITE 210  
ARLINGTON, WA 98223 • (360) 454-5490

JUNE 2022  
G&O #22488

**ABBREVIATIONS**

AC	ASBESTOS CEMENT PIPE
ADJ	ADJUST
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ANGLE POINT
ASPH	ASPHALT
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AVE	AVENUE
BF	BLIND FLANGE
BLDG	BUILDING
BLK	BLOCK
BO	BLOW OFF
BOP	BEGINNING OF PROJECT
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
C	CONDUIT
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CF	CUBIC FEET
CFS	CUBIC FEET PER SECOND
CICL	CAST IRON CLASS
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUED/CONTINUOUS
CPEP	CORRUGATED POLYETHYLENE PIPE
CPLG	COUPLING
CTR	CENTER
CY	CUBIC YARD
C	CENTER LINE
D	DRAIN
DC	DEGREE OF CURVATURE
DI	DUCTILE IRON
DIA	DIAMETER
DIM	DIMENSION
DOT	DEPARTMENT OF TRANSPORTATION
DWGS	DRAWING(S)
E	EAST
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EOA	EDGE OF ASPHALT
EOP	END OF PROJECT
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EXIST	EXISTING
FIG	FIGURE
FIN	FINISHED
FL	FLANGE
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
INV	INVERT
L	LENGTH
LB	POUND
LF	LINEAR FEET
MAX	MAXIMUM
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
N	NORTH
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
PC	POINT OF CURVATURE
PE	PLAIN END
PERF	PERFORATED
PI	POINT OF INTERSECTION
PP	POWER POLE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
QTY	QUANTITY
R	RADIUS
R/W	RIGHT-OF-WAY
RED	REDUCER
REINF	REINFORCE
REQD	REQUIRED
RET	RETAINING
RR	RAILROAD
S	SOUTH
SCH	SCHEDULE
SF	SQUARE FEET
SHT	SHEET
SL	SLOPE
SPECS	SPECIFICATIONS
SO	SQUARE
STA	STATION
STD	STANDARD
TB	THRUST BLOCK
TC	TOP OF CURB
TEL	TELEPHONE
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
THRD	THREADED
THRU	THROUGH
TYP	TYPICAL
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

**LINETYPES**

EXISTING	PROPOSED	DESCRIPTION
<b>SURFACE FEATURES</b>		
		CURB (TYPE AS NOTED)
		CURB & GUTTER
		ASPHALT PAVEMENT
		GRAVEL SURFACING
		CONCRETE SURFACING
		CEMENT CONC. SIDEWALK
		FENCE/RAILING (TYPE AS NOTED)
		SHRUB/TREE/VEGETATION LINE
		EDGE OF LANDSCAPING/RESTORATION
		RIGHT-OF-WAY LINE
		CENTERLINE OF CONSTRUCTION
		PROPERTY LINE
		CONTOUR LINE
		SAWCUT LINE (APPROXIMATE LOCATION)
		OVERHEAD UTILITIES
		BURIED ELECTRICAL
		BURIED TELEPHONE/COMMUNICATIONS
		BURIED COMMUNICATIONS
		BURIED CABLE TELEVISION
		GAS MAIN (SIZE AS NOTED)
		WATER MAIN (SIZE AS NOTED)
		SANITARY SEWER MAIN (SIZE AS NOTED)
		STORM DRAIN (SIZE AS NOTED)
		CULVERT (SIZE & TYPE AS NOTED)
		DITCH CENTERLINE/THALWEG

**SIGNALIZATION/ILLUMINATION SYMBOLS**

	JUNCTION BOX (TYPE I, II, VIII)
	LIGHT/LUMINAIRE POLE W/ARM
	POLE MOUNTED LIGHT

**WATER SYMBOLS**

EXISTING	PROPOSED	DESCRIPTION
		GUARD POST / BOLLARD
		WATER METER
		WATER VAULT (SIZE VARIES)
		FIRE HYDRANT (3-NOZZLE)
		GATE VALVE

**GAS/POWER/TELEPHONE SYMBOLS**

EXISTING	PROPOSED	DESCRIPTION
		GAS VALVE
		PAD MOUNT TRANSFORMER
		POWER VAULT (SIZE VARIES)
		UTILITY POLE
		UTILITY POLE ANCHOR
		UTILITY PEDESTAL
		TELEPHONE VAULT (SIZE VARIES)
		TELEPHONE MANHOLE (SIZE VARIES)

**SURVEY SYMBOLS**

EXISTING	PROPOSED	DESCRIPTION
		CONTROL POINT
		MONUMENT (IN CASE)
		MONUMENT (SURFACE)
		BENCH MARK

**SANITARY/STORM SEWER SYMBOLS**

EXISTING	PROPOSED	DESCRIPTION
		STORM DRAIN MANHOLE/TYPE 2 CATCH BASIN (ACTUAL DIMENSION SHOWN FOR PROPOSED)
		STORM DRAIN CATCH BASIN, CONCRETE INLET, OR YARD/AREA DRAIN (ACTUAL DIMENSION SHOWN FOR PROPOSED)
		SANITARY SEWER MANHOLE (ACTUAL DIMENSION SHOWN FOR PROPOSED)
		CLEAN OUT (SAN. SEWER OR STORM)

**SURFACE FEATURES/LANDSCAPING**

EXISTING	PROPOSED	DESCRIPTION
		MAIL BOX (NOTED)
		SIGN
		TREE STUMP
		ROCK WALL
		SHRUB
		TREE (CONIFER)
		TREE (DECIDUOUS)
		ROCK/BOULDER

**CHANNELIZATION SYMBOLS**

EXISTING	PROPOSED	DESCRIPTION
		CENTER LANE LINE
		STOP LINE

**GENERAL NOTES:**

- ALL MATERIALS AND WORKMANSHIP SHALL BE FURNISHED AND SUPPLIED IN ACCORDANCE WITH THE 2022 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AND CITY OF MEDINA PUBLIC WORKS STANDARDS, AND THESE CONTRACT DOCUMENTS UNLESS OTHERWISE SPECIFICALLY NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT AND COORDINATE WITH ALL UTILITY COMPANIES IN ORDER TO ASSURE THAT ALL LINES, PIPES, POLES AND OTHER APPURTENANCES ARE PROPERLY LOCATED, SECURED, AND/OR PROTECTED. BURIED UTILITIES (WHERE KNOWN) ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL HAVE UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. NOTIFY THE UNDERGROUND UTILITIES LOCATE CENTER: CALL #811.
- THE CONTRACTOR SHALL HAVE A COPY OF THESE PLANS, ANY ADDENDA, CHANGE ORDERS AND THE CONTRACT SPECIFICATIONS ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN THE EVENT OR DISCOVERY OF UNSUITABLE SOILS OR HIGH GROUND WATER CONDITIONS OR DISCREPANCIES FROM THE PLANS.
- WHEREVER PLANS REFER TO "SAWCUT" OF ASPHALT CONCRETE PAVEMENT OR OIL MAT, OR CONCRETE SURFACE, THE CONTRACTOR SHALL PERFORM A "NEAT LINE CUT" PER SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN LEGIBLE SET OF RECORD DRAWINGS AND PROVIDE A SET TO THE OWNER PRIOR TO DEMOBILIZATION OF THE SITE. SEE SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD. PRIOR TO DISTRUPTION OF ANY TRAFFIC, TRAFFIC CONTROL PLANS SHALL BE PREPARED AND SUBMITTED TO THE CITY FOR APPROVAL. NO WORK SHALL COMMENCE UNTIL ALL APPROVED TRAFFIC CONTROL IS IN PLACE.

**SHEET INDEX**

SHEET NO.	DESCRIPTION
COVER	TITLE, VICINITY MAP, PROJECT LOCATION MAP AND CITY OFFICIALS
SHEET 1	ABBREVIATIONS, SYMBOL LEGEND, INDEX AND GENERAL NOTES
SHEET 2	SURVEY CONTROL
SHEET 3	EROSION CONTROL DETAILS
SHEET 4 - 6	STORM PLAN-PROFILE SHEETS
SHEET 7	STORM DETAILS
SHEET 8 - 9	STORM DETAILS
SHEET 10 - 11	PAVING PLAN
SHEET 12	ROAD DETAILS

**BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811**

EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE IS MADE AS TO THE EXACT SIZE, TYPE, LOCATION OR DEPTH

**RIGHT-OF-WAY DISCLAIMER**

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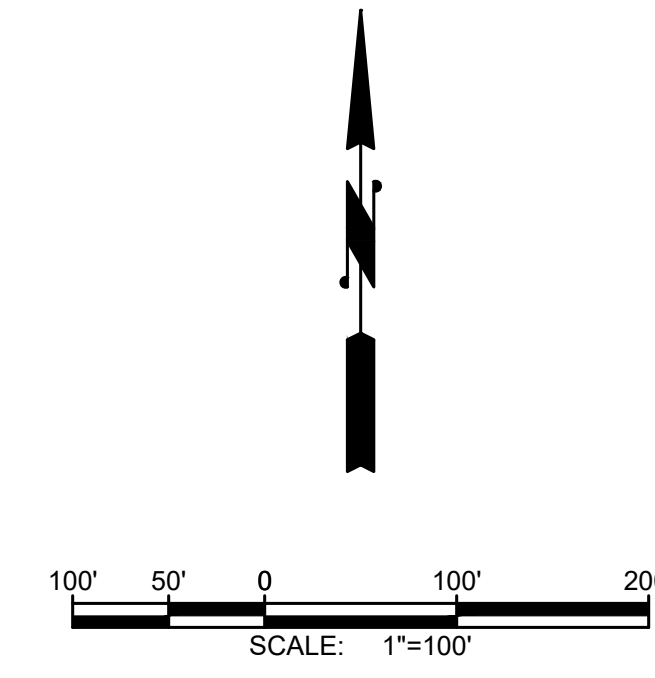
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	DATE APPD
	REVISION
	No.



**CITY OF MEDINA**  
WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
ABBREVIATIONS, SYMBOL LEGEND, INDEX AND GENERAL NOTES

SHEET: 1
OF: 12
JOB NO.: 22488.00



**CITY OF MEDINA - 2022 OVERLAY PROGRAM: NE 7TH ST OVERLAY**

**JOB NUMBER - 22488.01**  
 HORIZONTAL DATUM: NAD83/2011  
 WASHINGTON PLANE COORDINATE SYSTEM, NORTH ZONE, GRID NORTH  
 HOLDING CITY OF BELLEVUE (BELNET 2011) PUBLISHED CONTROL NO. 0074, MODIFIED GROUND COORDINATES, SCALED TO GROUND USING AVG. CGF OF 0.99997975287 AT BASE POINT G&O #102.

**VERTICAL DATUM: NAVD88**  
 HOLDING CITY OF BELLEVUE PUBLISHED ELEVATION ON "CITY OF BELLEVUE BENCHMARK NO 406" (G&O #168).

POINT	NORTHING	EASTING	ELEV.	DESCRIPTION
2	226719.61	1297415.36	106.74	SFMC=FOUND MONUMENT IN CASE, FOUND BRASS PIN IN CONC. 2.1' BELOW ASPHALT. 3' E OF WEDGE OF ASPHALT. AT PI OF CURVE IN E OVERLAKE DR.
102	228425.30	1293811.75	77.50	SFMC, CENTER OF INTX EVERGREEN POINT RD & NE 8TH ST. CITY OF BELLEVUE NO. 0074. 2" BRASS DISC WITH LARGE "X", DOWN 0.55' IN CASE.
120	228114.85	1296446.77	113.22	SFMC, BRASS PIN W/ PUNCH, DOWN 1.05' IN CASE. INTX NE 7TH ST & 84TH AVE NE. CITY OF BELLEVUE NO. 3083.
121	227486.80	1296429.43	105.21	SFMC, BRASS PIN W/ PUNCH, DOWN 1.05' IN CASE. INTX 84TH AVE NE & RIDGE RD. CITY OF BELLEVUE NO 3084.
161	228005.34	1296588.68	136.21	SFNT=FOUND NAIL W/ TAG, NAIL W/ "DRS CONT" TAG. 0.85' N OF FLOW LINE OF WEDGE CURB ON S SIDE OF NE 7TH ST. IN CURVE. 22' W OF CENTERLINE TO DRIVEWAYS #8401 & #8405. 11.5' S OF SEWER MANHOLE.
162	228155.96	1296736.17	156.83	SFNT, NAIL W/ "TRIAD CONTROL" TAG. 0.5' SSE OF TOP OF WEDGE CURB ON NNW SIDE OF NE 7TH ST. 5.25' E OF SE EDGE OF CONCRETE CORNER OF E DRIVEWAY TO #8424.
163	228130.72	1297167.46	162.55	SFNT, PK NAIL W/ "TARGET, INC LS 11691" TAG. 6.5' NW OF SE 1/2 DELTA OF SE QUADRANT INTX 86TH AVE NE & NE 7TH ST. NW OF TWO OTHER NAIL & TAGS.
164	228149.58	1297592.18	144.59	SFNT, NAIL W/ "HGG TRAV PELS 16921" TAG. ON TOP OF THICKENED EDGE ON N SIDE OF NE 7TH ST. 2.3' E OF W PROPERTY LINE FOR HOUSE #8642. 33' W OF CENTERLINE OF DRIVEWAY.
165	228038.37	1297698.24	124.74	SSNT=SET NAIL W/ "G&O CONTROL" TAG. 1' E OF W EDGE OF ASPHALT AT CENTERLINE OF DRIVEWAY TO #8658 EXTENDED.
166	227801.10	1297789.16	76.44	SFNT, NAIL W/ "TARGET, INC" TAG. CENTERLINE STOP BAR AT AP. 1.8' E OF E EDGE OF STOP BAR AT INTX NE 7TH ST & OVERLAKE DR E. AT APPROXIMATE CENTERLINE OF NE 7TH ST.
167	227563.12	1297772.11	86.78	SFMC, TACK IN CONC. IN 1-3/4" PIPE. DOWN 1.85' IN CASE. 1.5' E OF CENTERLINE OF E OVERLAKE DR. AT PI.
168	227165.62	1297603.97	99.30	SFMC, 3" BRASS DOME W/ PUNCH, DOWN 0.75' IN CASE. N EDGE OF BRIDGE ON E OVERLAKE DR. CITY OF BELLEVUE BENCHMARK NO. 406.
169	226956.86	1297502.96	102.63	SSNT, IN W THICKENED EDGE OF E OVERLAKE DR. 2.5' N OF PAVER PARKING, AT NW CORNER OF BRIDGE.
170	227100.96	1297564.05	101.24	SFNT, NAIL W/ "TERRANE CONTROL" TAG. 3.7' S OF BRIDGE. 1.8' N OF GAS VALVE.
171	227211.72	1297610.57	99.77	SSNT, W SIDE E OVERLAKE DR IN THICKENED EDGE. 12' SW OF SEWER MANHOLE. 50' N OF N EDGE BRIDGE.

**Gray & Osborne, Inc.**  
 CONSULTING ENGINEERS  
 3710 168TH STREET, NE, BLDG. B, SUITE 210  
 ARLINGTON, WA 98223 • (800) 464-6490

DATE: JUNE 2022	SCALE: NOTED	SEW: SEM	CHECKED: KWB	APPROVED: RWK
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DATE	APPD	REVISION	No.

Professional Engineer Seal: **ROBERT M. BUYKENDAL**, License No. 35188, State of Washington, Professional Engineer, 6/14/2022.

Professional Engineer Seal: **RICHARD A. BOND**, License No. 4007, State of Washington, Professional Engineer, 06/14/2022.

**CITY OF MEDINA**  
 KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
 SURVEY CONTROL

SHEET: <b>2</b>
OF: <b>12</b>
JOB NO.: 22488.00

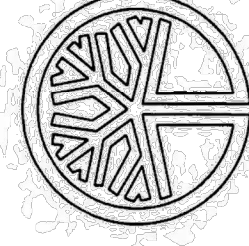
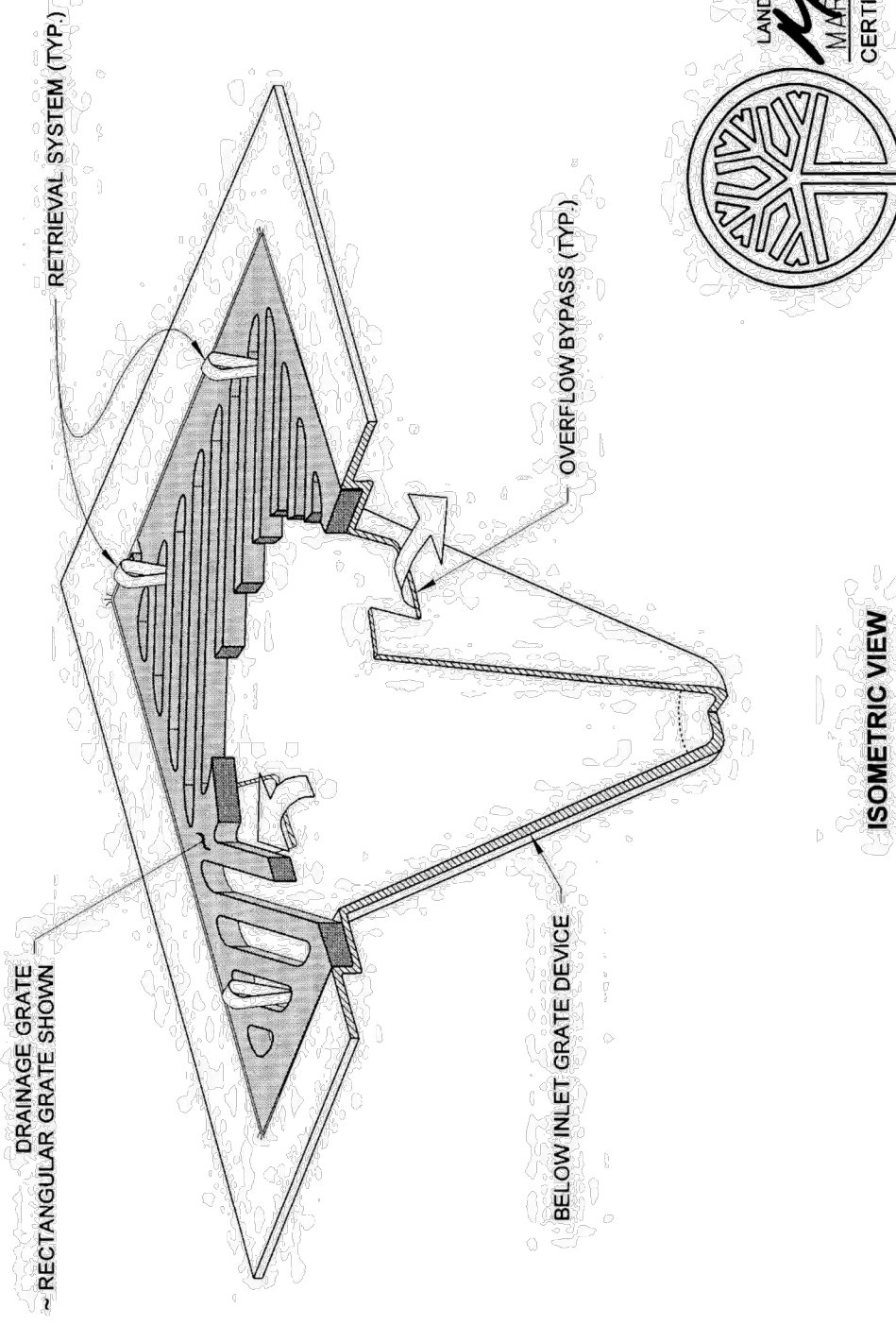
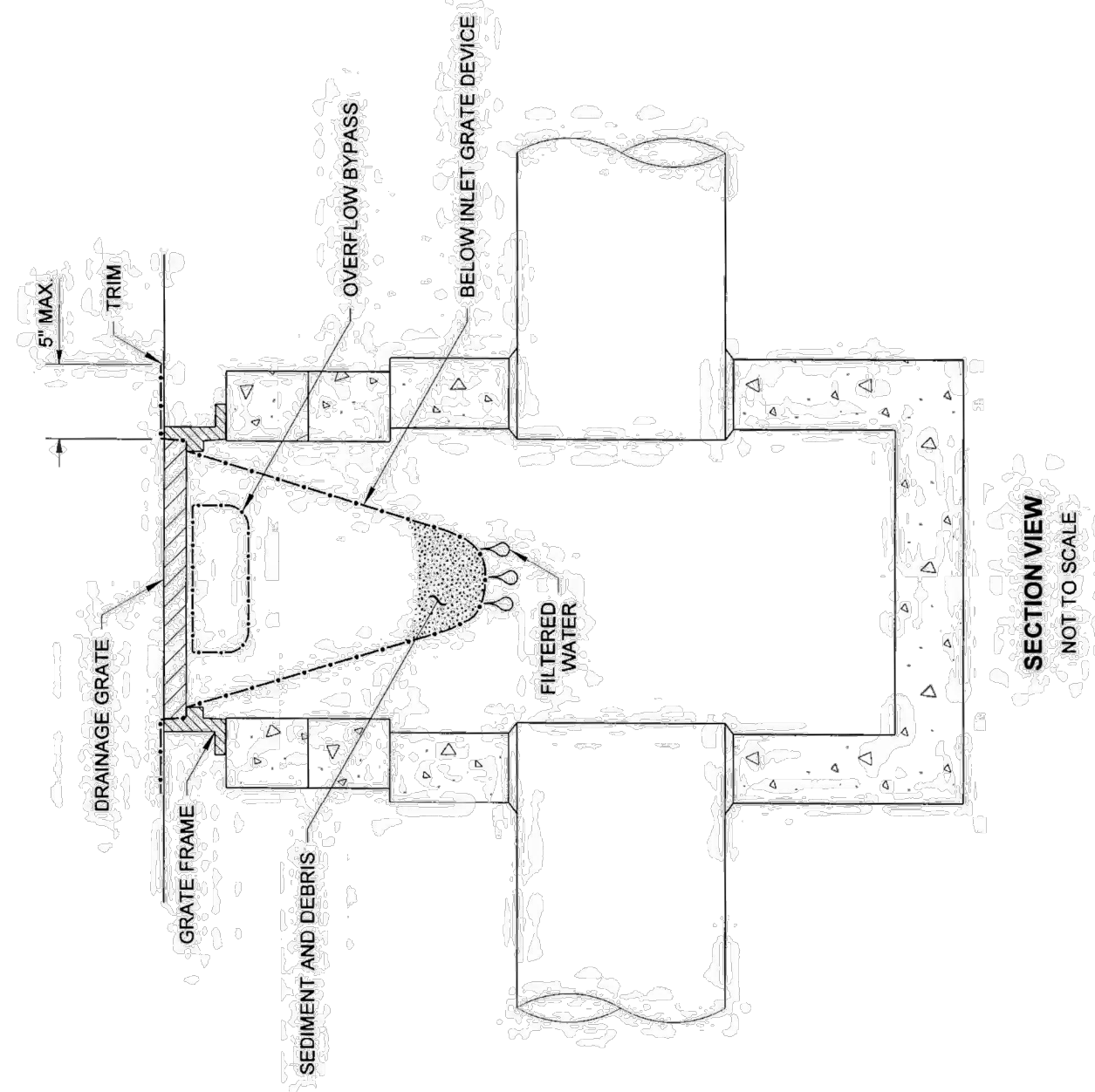
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 EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE IS MADE AS TO THE EXACT SIZE, TYPE, LOCATION OR DEPTH

**RIGHT-OF-WAY DISCLAIMER**  
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DRAWN BY: LISA OYFORD

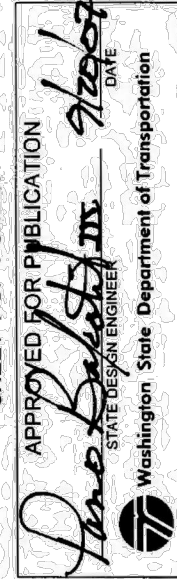
**NOTES**

1. Size the Below Inlet Grate Device (BIGD) for the storm water structure it will service.
2. The BIGD shall have a built-in high-flow relief system (overflow bypass).
3. The retrieval system must allow removal of the BIGD without spilling the collected material.
4. Perform maintenance in accordance with Standard Specification 8-01.3(15).



**STORM DRAIN  
INLET PROTECTION  
STANDARD PLAN I-40.20-00**

SHEET 1 OF 1 SHEET



**BURIED UTILITIES IN AREA  
CALL BEFORE YOU DIG  
1-811**  
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SHEET: **3**  
OF: **12**

JOB NO.: 22488.00

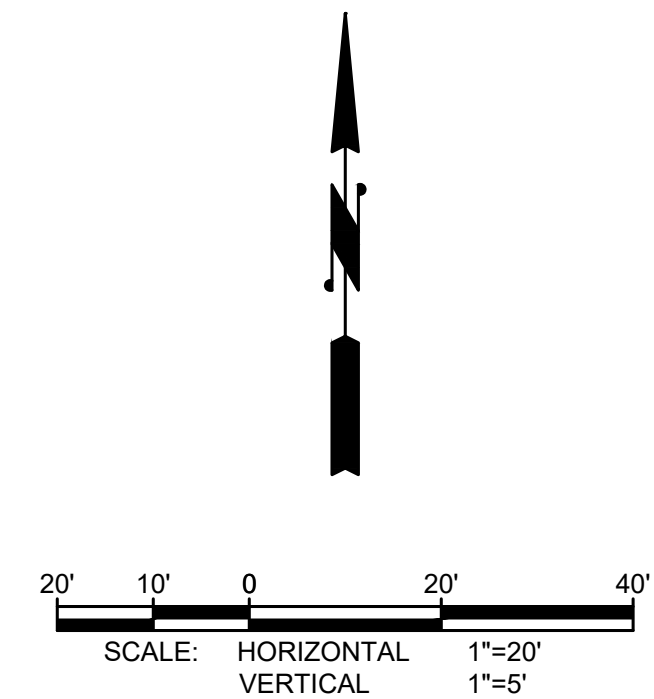
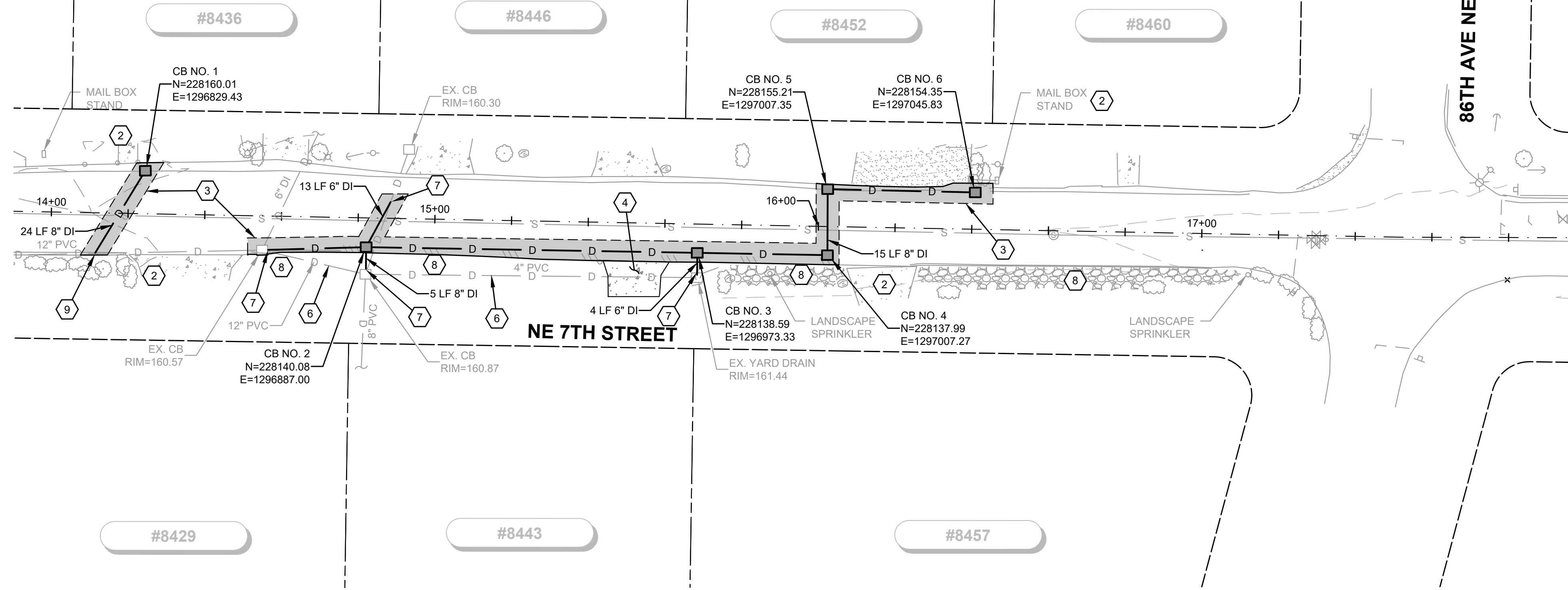
**CITY OF MEDINA**  
KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
EROSION CONTROL DETAILS



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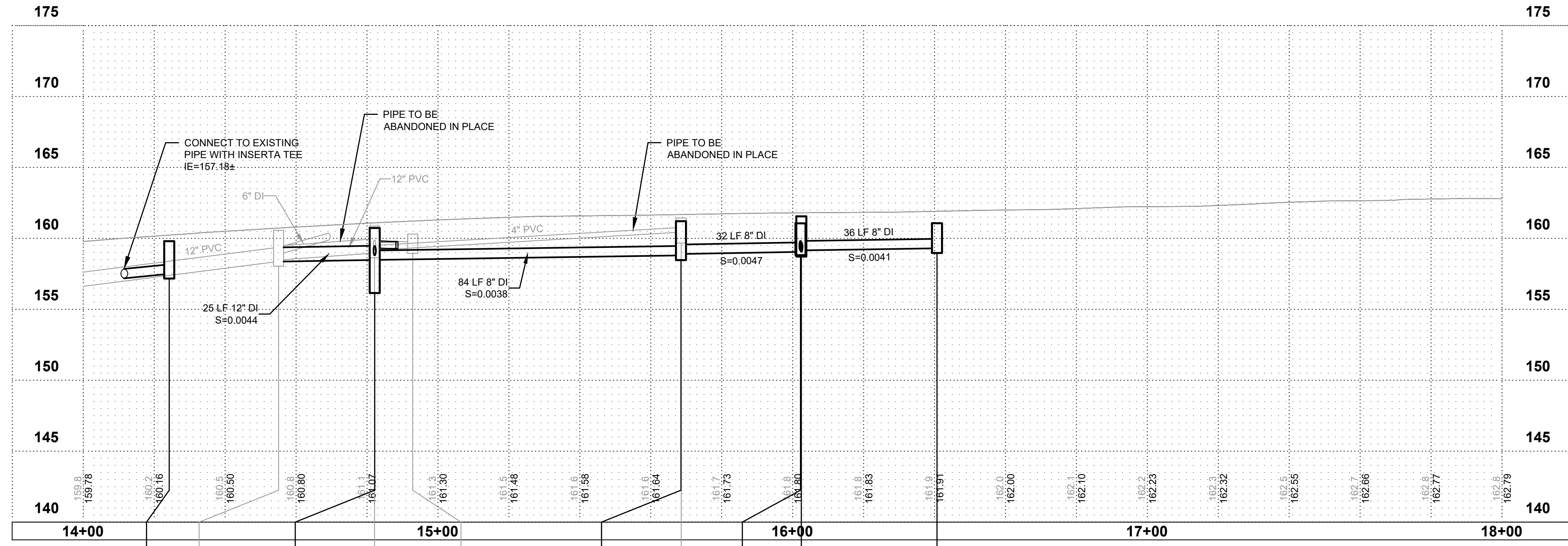
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**CONSTRUCTION NOTES**

1. CAUTION: POTENTIAL UTILITY CONFLICT. CALL UTILITY LOCATE TO HAVE UTILITIES MARKED ON THE GROUND. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EFFECTED EXISTING UTILITIES. SEE ORDER OF WORK.
2. PROTECT EXISTING UTILITY POLE, PEDESTAL, MAIL BOX, DRIVEWAY, WALKWAY, LANDSCAPING, TREE, SIGN, IRRIGATION SYSTEM DURING CONSTRUCTION.
3. SAWCUT EXISTING PAVEMENT AND REMOVE ASPHALT AS REQUIRED FOR DRAINAGE INSTALLATION. INSTALL HMA TRENCH REPAIR PER DETAIL SHEET 7.
4. REMOVE AND WASTEHAUL EXISTING CONCRETE DRIVEWAY AT NEAREST CONSTRUCTION JOINT. REPLACE CONCRETE DRIVEWAY.
5. REMOVE AND WASTEHAUL EXISTING CATCH BASIN OR PIPE.
6. ABANDON EXISTING PIPE IN PLACE PER THE SPECIFICATIONS.
7. CONNECT NEW STORM PIPE TO EXISTING CATCH BASIN/PIPE.
8. RESTORE LANDSCAPED OR GRAVEL AREA DISTURBED DURING CONSTRUCTION.
9. CONNECT NEW PIPE TO EXISTING PIPE USING INSERTA TEE. POT HOLE EXISTING PIPE AT CONNECTION TO VERIFY INVERT ELEVATION.

SEE SHEET 5



CONC. INLET, CB NO. 1 RIM=159.80 IE=157.50 8" DI SW	EX. CB TYPE 1 RIM=160.57 IE=158.87 6" DI NE IE=158.37 12" PVC W IE=158.48 12" DI W IE=159.27 6" DI NE	CB TYPE 1, CB NO. 2 RIM=160.73 IE=158.48 8" DI E IE=158.80 8" DI S IE=158.48 12" DI W IE=159.27 6" DI NE	EX. CB TYPE 1 RIM=160.87 IE=159.22 8" PVC S IE=159.09 8" DI N IE=158.90 8" DI N	EX. CB RIM=160.30 IE=159.27 6" DI S	CONC. INLET, CB NO. 3 RIM=161.21 IE=158.90 8" DI E IE=159.20 6" DI S IE=159.00 6" DI W	EX. YARD DRAIN RIM=161.44 IE=160.44 4" PVC W-PLUG IE=160.00 6" DI N	CONC. INLET, CB NO. 5 RIM=161.06 IE=159.15 8" DI S IE=159.15 8" DI E	CONC. INLET, CB NO. 4 RIM=161.55 IE=159.05 8" DI W IE=159.05 8" DI N	CONC. INLET, CB NO. 6 RIM=161.07 IE=159.30 8" DI W
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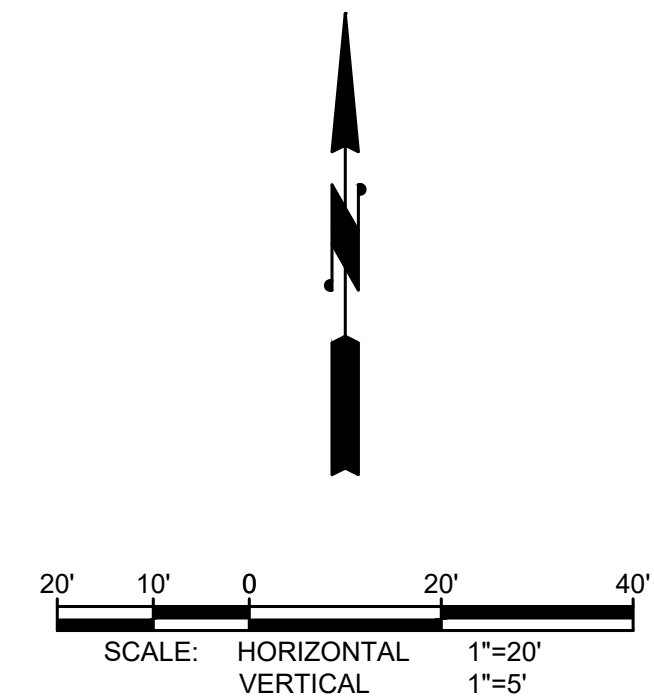
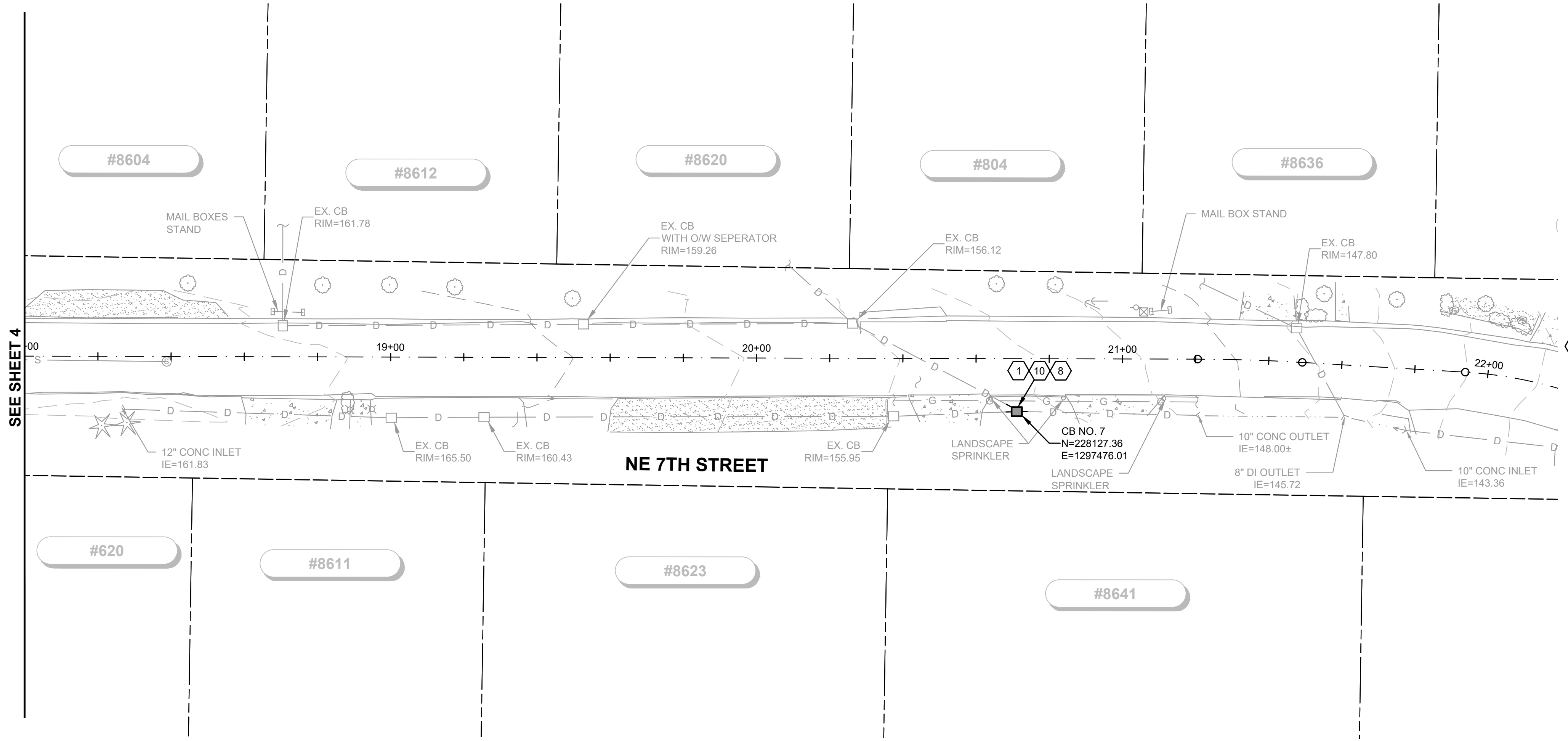
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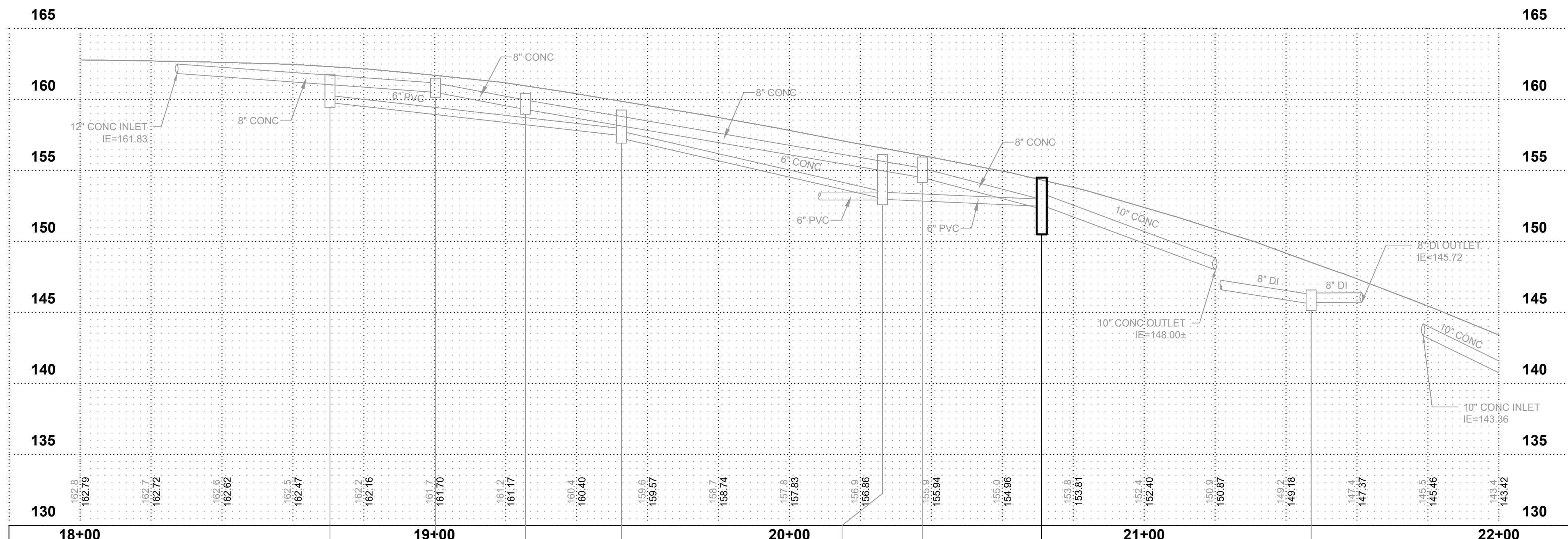
**CITY OF MEDINA**  
KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
STORM PLAN & PROFILE

SHEET: 4
OF: 12
JOB NO.: 22488.00



**CONSTRUCTION NOTES**

1. CAUTION: POTENTIAL UTILITY CONFLICT. CALL UTILITY LOCATE TO HAVE UTILITIES MARKED ON THE GROUND. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EFFECTED EXISTING UTILITIES. SEE ORDER OF WORK.
2. PROTECT EXISTING UTILITY POLE, PEDESTAL, MAIL BOX, DRIVEWAY, WALKWAY, LANDSCAPING, TREE, SIGN, IRRIGATION SYSTEM DURING CONSTRUCTION.
3. SAWCUT EXISTING PAVEMENT AND REMOVE ASPHALT AS REQUIRED FOR DRAINAGE INSTALLATION. INSTALL HMA PATCH TO MATCH EXISTING THICKNESS AND GRADE.
4. REMOVE AND WASTEHAUL EXISTING CONCRETE DRIVEWAY AT NEAREST CONSTRUCTION JOINT. REPLACE CONCRETE DRIVEWAY - MATCH EXISTING PATTERN AND FINISH.
5. REMOVE AND WASTEHAUL EXISTING CATCH BASIN OR PIPE.
6. ABANDON EXISTING PIPE IN PLACE PER THE SPECIFICATIONS.
7. CONNECT NEW STORM PIPE TO EXISTING CATCH BASIN/PIPE.
8. RESTORE LANDSCAPED OR GRAVEL AREA DISTURBED DURING CONSTRUCTION.
9. CONNECT NEW PIPE TO EXISTING PIPE USING INSERTA TEE.
10. EXCAVATE TO EXPOSE STORM JUNCTION. INSTALL TYPE I CATCH BASIN AND CONNECT ALL PIPES. INSTALL SOLID LOCKING LID.



EX. CB TYPE 1 RIM=161.78 IE=160.98 2" PVC N IE=159.78 6" PVC E	EX. CB TYPE 1 RIM=161.50 IE=160.50 8" CONC W IE=160.50 8" CONC E	EX. CB TYPE 1 RIM=160.43 IE=159.30 8" CONC W IE=159.30 8" CONC E	EX. CB TYPE 1 RIM=159.26 IE=157.46 6" PVC W IE=157.26 8" CONC E	EX. CB TYPE 1 RIM=156.12 IE=153.02 6" CONC W IE=152.92 6" PVC NW IE=152.97 6" PVC SE	EX. CB TYPE 1 RIM=155.95 IE=154.50 8" CONC W IE=154.50 8" CONC E	CB TYPE I, CB NO. 7 WITH SOLID LOCKING LID RIM=154.50 IE=152.54 8" PVC NW IE=152.44 8" CONC W IE=152.44 12" CONC E	EX. CB TYPE 1 RIM=146.58 IE=145.60 8" DI NW IE=145.70 8" DI SE
---	---	---	--	--	---	---	---

**BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811**  
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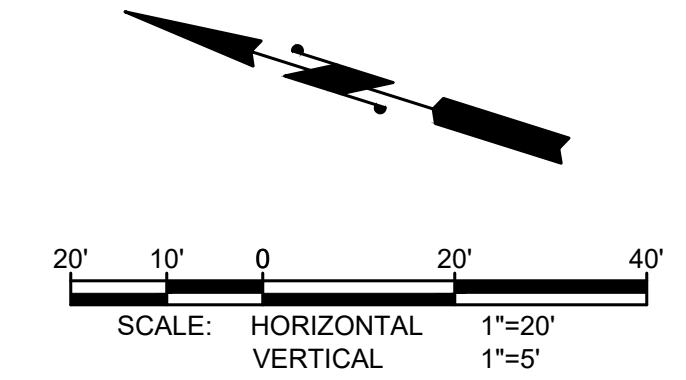
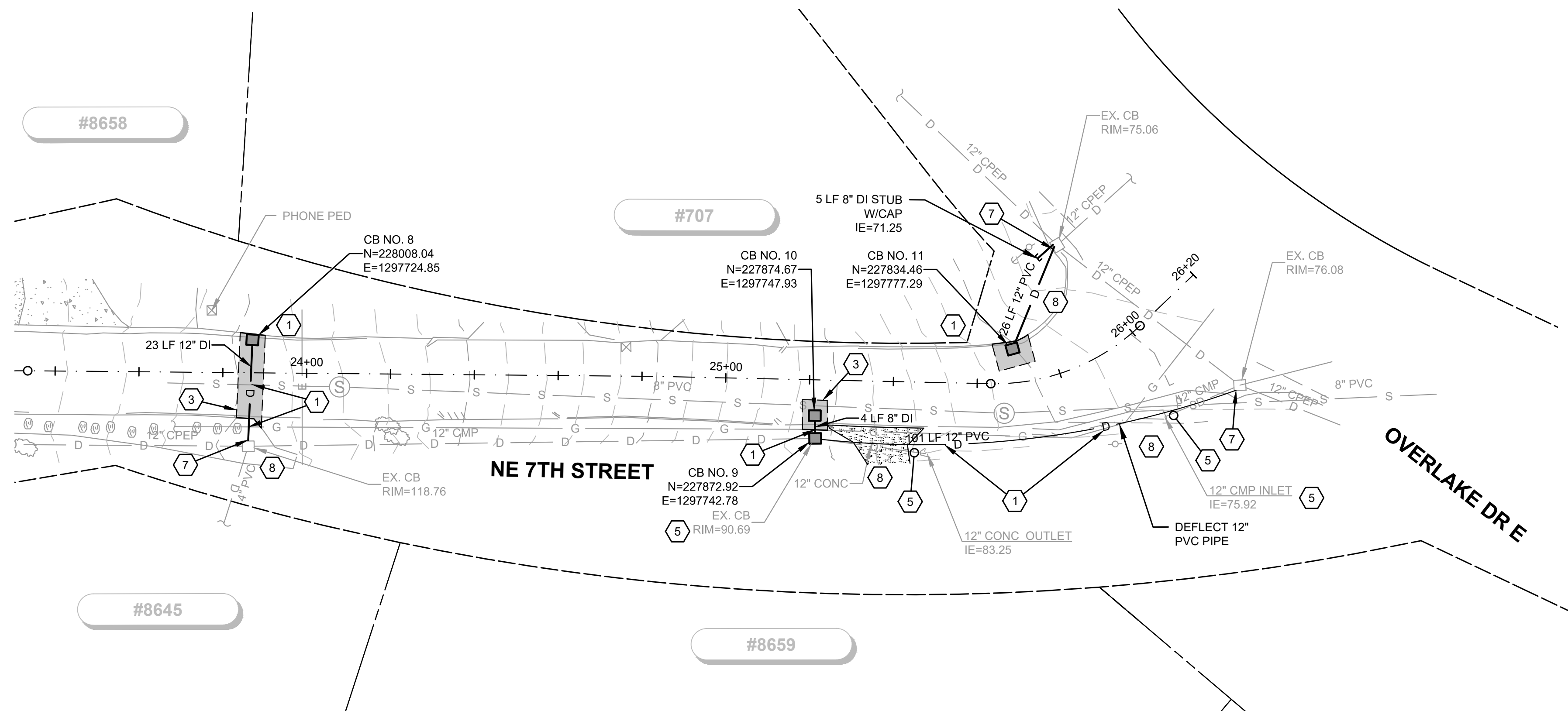
**RIGHT-OF-WAY DISCLAIMER**  
 THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE.

DATE:	JUNE 2022
SCALE:	NOTED
DRAWN:	SEM
CHECKED:	KWB
APPROVED:	RWK

No.	REVISION	DATE	APPD

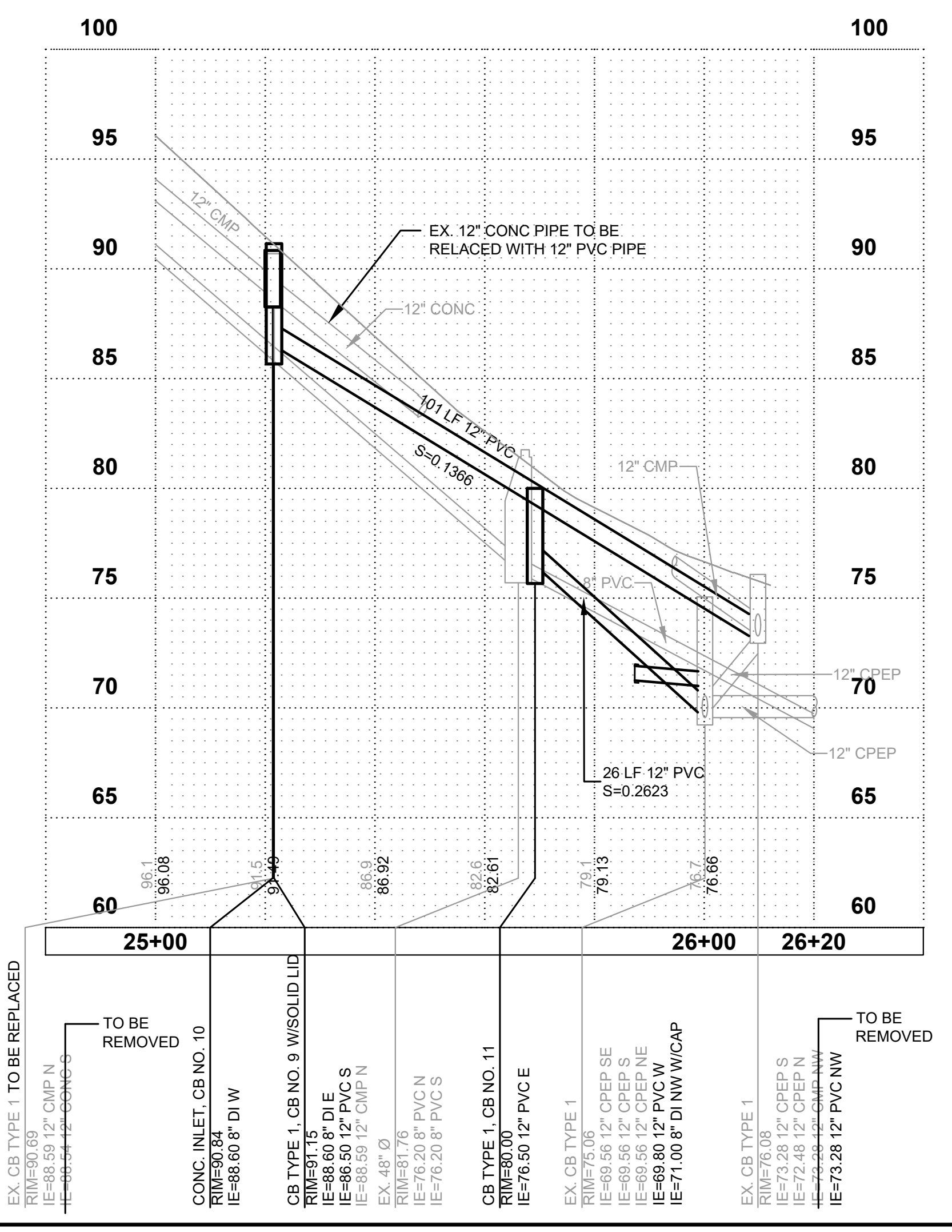
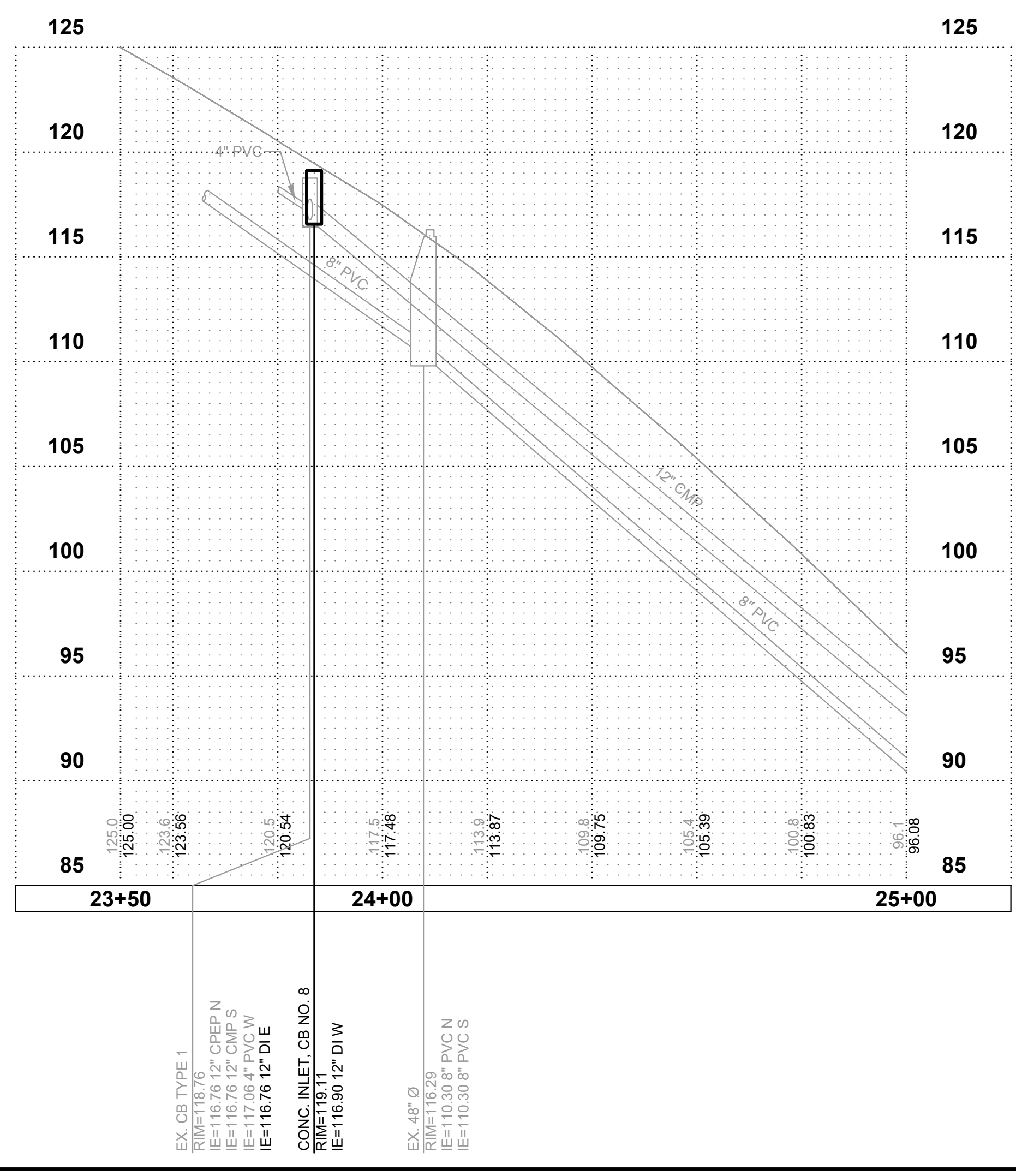
**CITY OF MEDINA**  
 KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
 STORM PLAN & PROFILE

SHEET:	<b>5</b>
OF:	<b>12</b>
JOB NO.:	22488.00



**CONSTRUCTION NOTES**

1. CAUTION: POTENTIAL UTILITY CONFLICT. CALL UTILITY LOCATE TO HAVE UTILITIES MARKED ON THE GROUND. VERIFY (POTHOLE) EXACT LOCATION AND DEPTH OF EFFECTED EXISTING UTILITIES. SEE ORDER OF WORK.
2. PROTECT EXISTING UTILITY POLE, PEDESTAL, MAIL BOX, DRIVEWAY, WALKWAY, LANDSCAPING, TREE, SIGN, IRRIGATION SYSTEM DURING CONSTRUCTION.
3. SAWCUT EXISTING PAVEMENT AND REMOVE ASPHALT AS REQUIRED FOR DRAINAGE INSTALLATION. INSTALL HMA PATCH TO MATCH EXISTING THICKNESS AND GRADE.
4. REMOVE AND WASTEHAL EXISTING CONCRETE DRIVEWAY AT NEAREST CONSTRUCTION JOINT. REPLACE CONCRETE DRIVEWAY - MATCH EXISTIGN PATTERN AND FINISH.
5. REMOVE AND WASTEHAUL EXISTING CATCH BASIN OR PIPE.
6. ABANDON EXISTING PIPE IN PLACE PER THE SPECIFICATIONS.
7. CONNECT NEW STORM PIPE TO EXISTING CATCH BASIN/PIPE.
8. RESTORE LANDSCAPED OR GRAVEL AREA DISTURBED DURING CONSTRUCTION.



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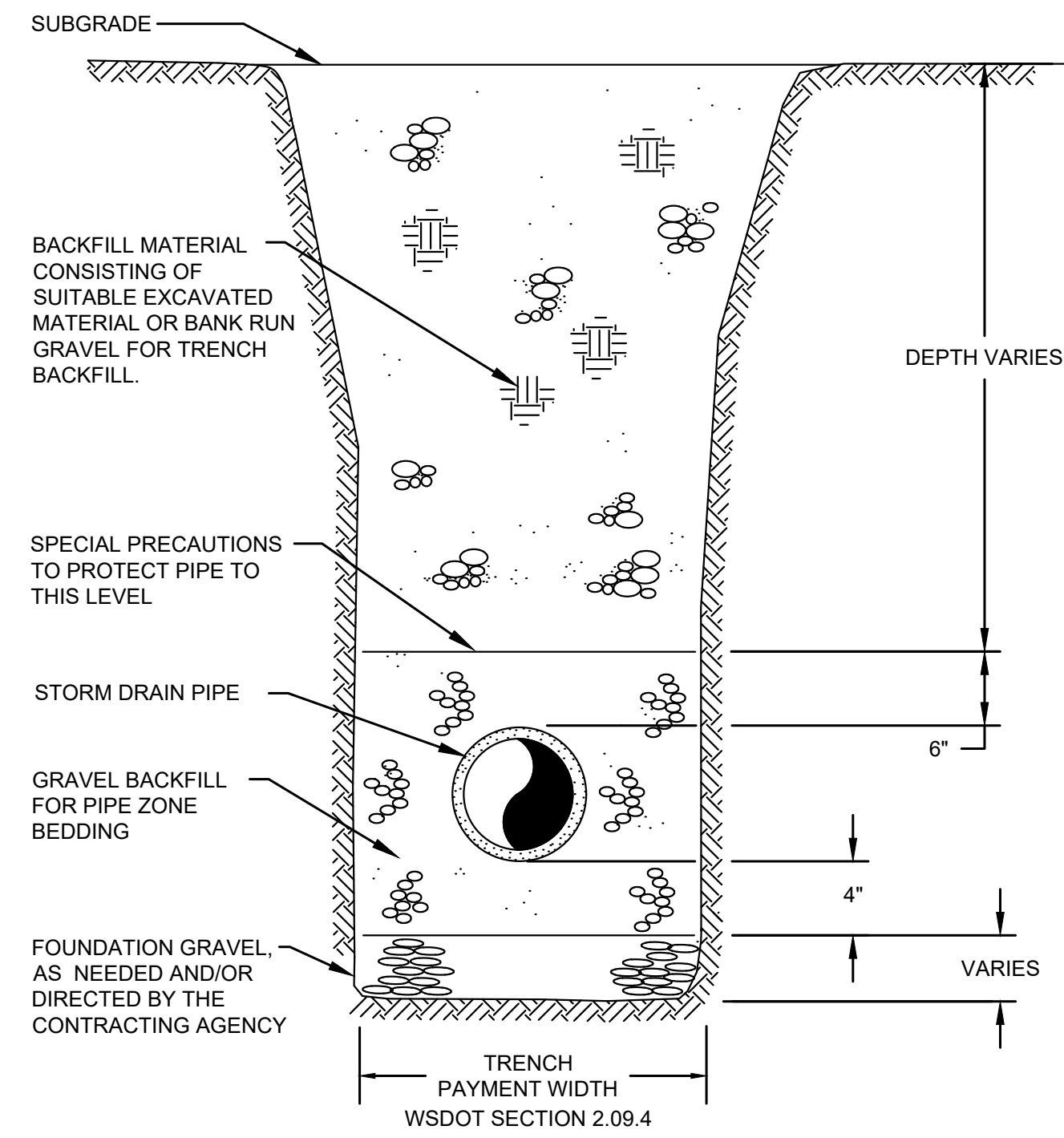
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DATE:	JUNE 2022
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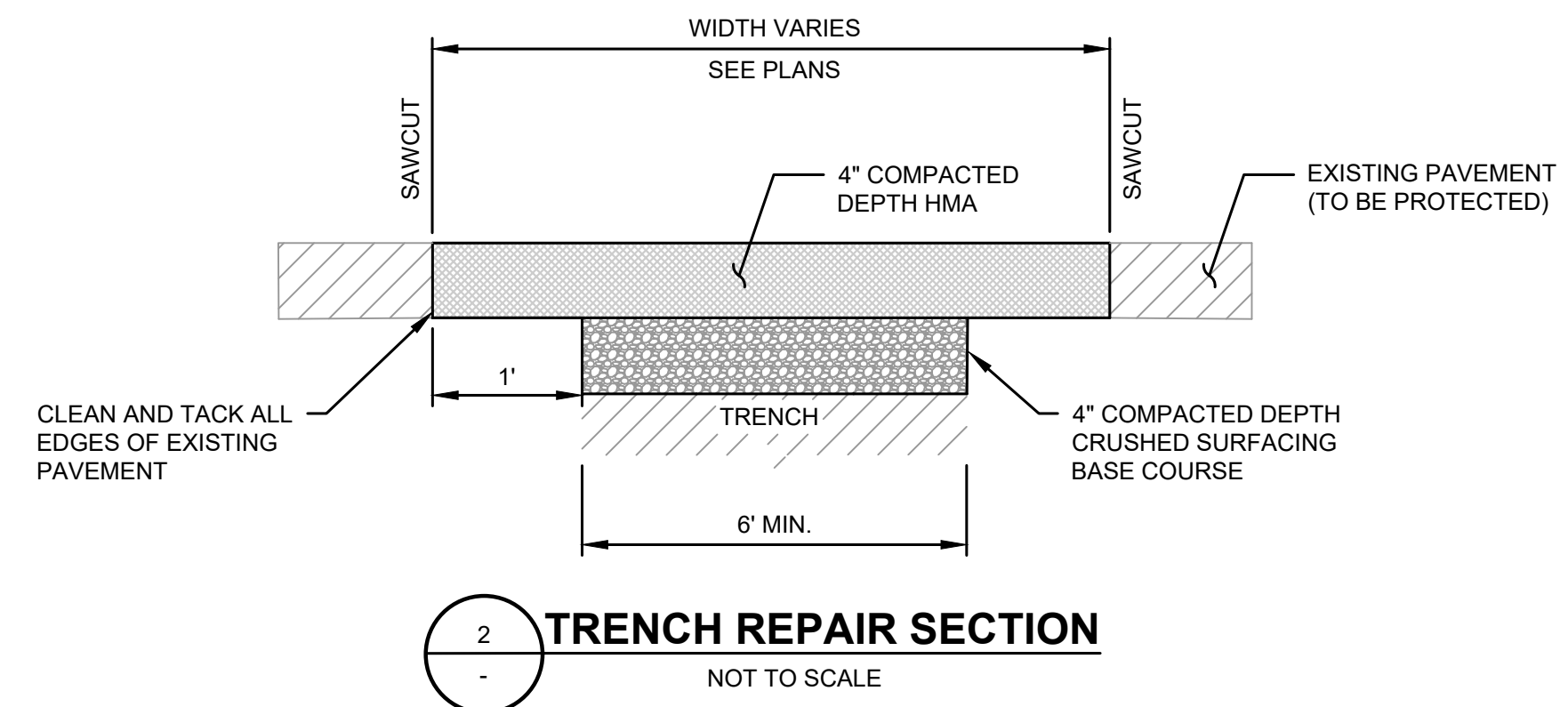
**CITY OF MEDINA**  
 KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
 STORM PLAN & PROFILE

SHEET:	<b>6</b>
OF:	<b>12</b>
JOB NO.:	22488.00

M:\Medina\22488.00 2022 Overlay\02 PLANSET\Civil\PLAN & PROFILE.dwg, 6/13/2022 5:22 PM, STEPHEN MOORE



**1**  
-  
**STORM DRAIN PIPE TRENCH SECTION**  
SCALE: NTS



**2**  
-  
**TRENCH REPAIR SECTION**  
NOT TO SCALE

M:\Medina\22488.00 2022 Overlay\02 PLANSET\Civil\RD-SD DETAILS.dwg, 6/13/2022 5:22 PM, STEPHEN MOORE

**Gray & Osborne, Inc.**  
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DATE:	JUNE 2022
SCALE:	NOTED
DRAWN:	SEM
CHECKED:	KWB
APPROVED:	RWK

REVISION	DATE	APPD

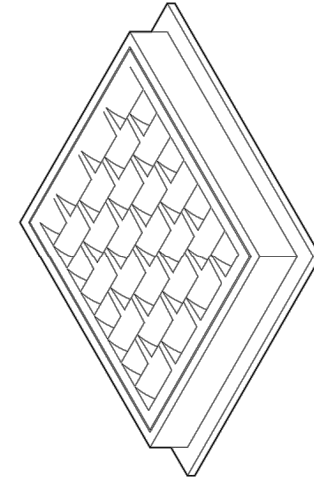
6/14/2022

**CITY OF MEDINA**  
KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
STORM DETAILS

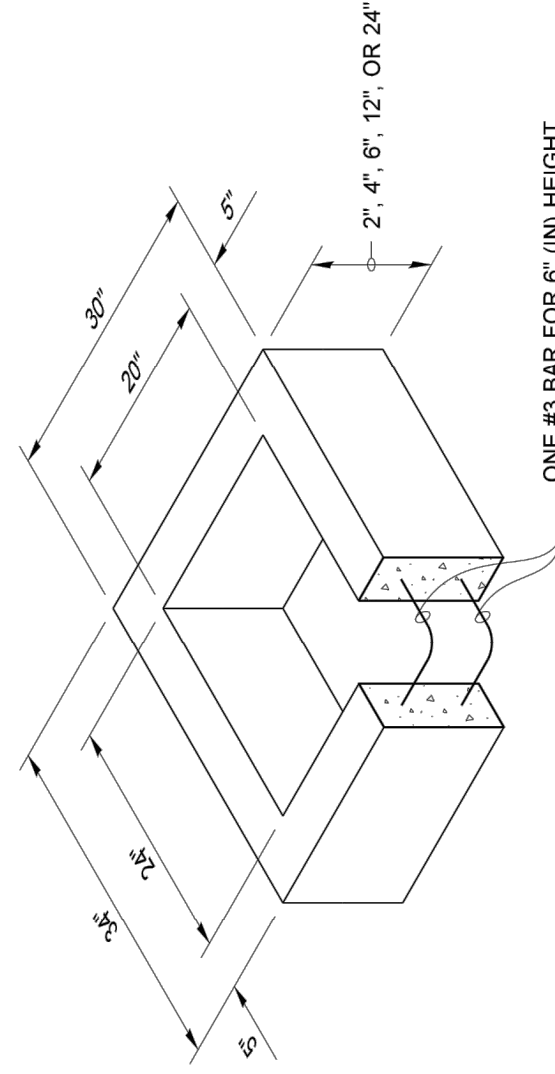
<p><b>BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811</b></p> <p>EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE INFORMATION AND NO GUARANTEE IS MADE AS TO THE EXACT SIZE, TYPE, LOCATION OR DEPTH</p>	<p><b>RIGHT-OF-WAY DISCLAIMER</b></p> <p>THE RIGHT-OF-WAY AND/OR PROPERTY LINES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION, NOT ON A SURVEYED LOCATION AND ARE ONLY APPROXIMATE.</p>
<p>JOB NO.: 22488.00</p>	



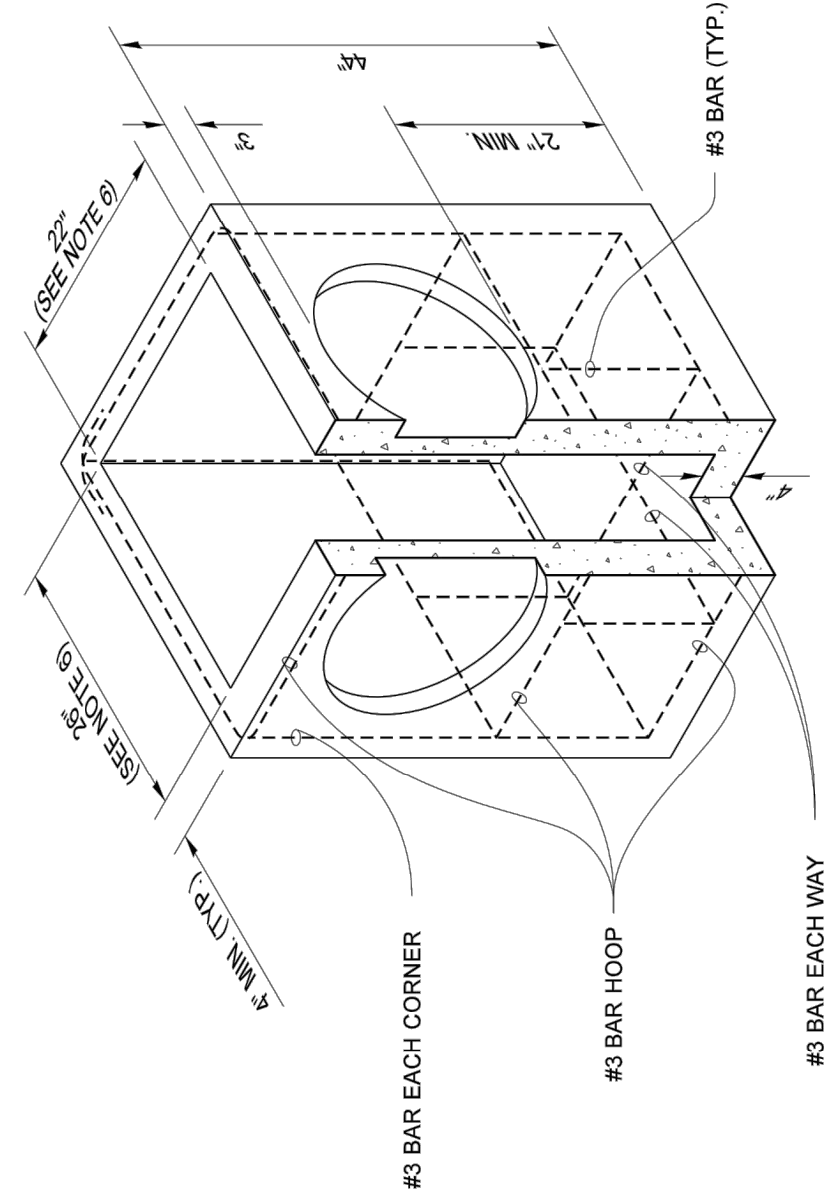
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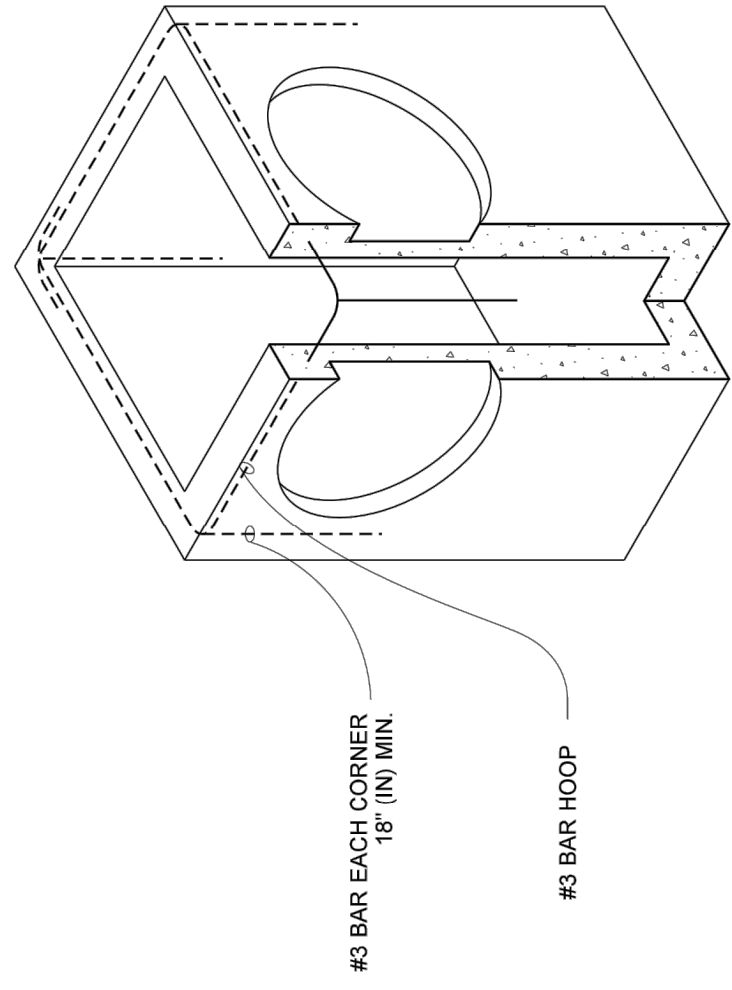
FRAME AND VANED GRATE



RECTANGULAR ADJUSTMENT SECTION



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

PIPE MATERIAL	MAXIMUM DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CFSPP * (STD. SPEC. SECT. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

\* CORRUGATED POLYETHYLENE STORM SEWER PIPE

**NOTES**

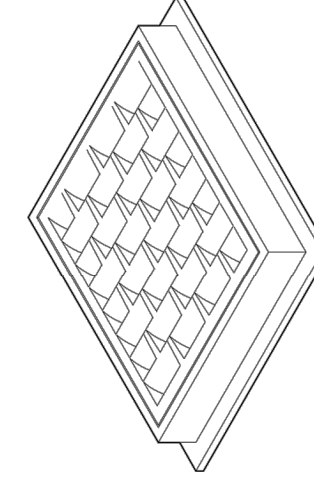
- As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the **ALTERNATIVE PRECAST BASE SECTION**. Wire mesh shall not be placed in the knockouts.
- The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
- The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
- The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
- The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
- The opening shall be measured at the top of the **Precast Base Section**.
- All pickup holes shall be grouted full after the basin has been placed.
- Install rectangular adjustment sections, 4" min., 12" max.

**CATCH BASIN TYPE 1**  
**STANDARD PLAN B-5.20-02**

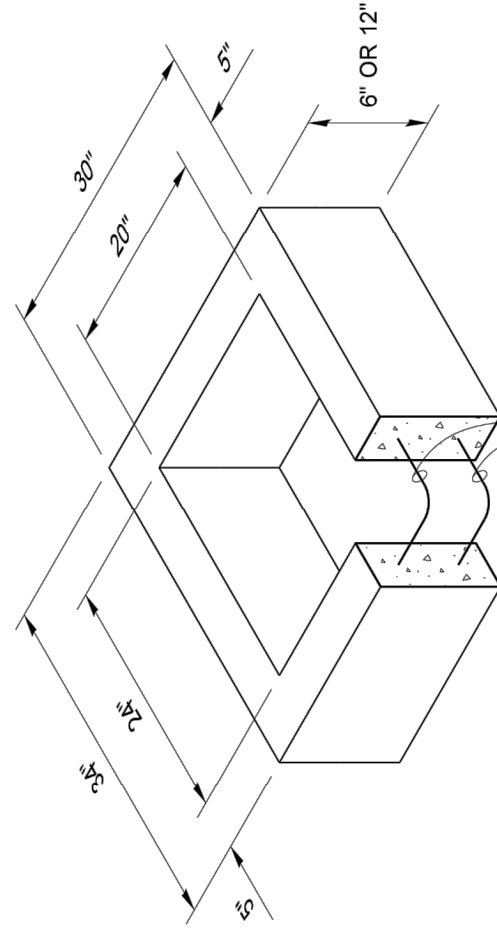
SHEET 1 OF 1 SHEET  
APPROVED FOR PUBLICATION  
DATE: 06/13/2022 11:45:08 AM  
STATE DESIGN ENGINEER  
WASHINGTON STATE Department of Transportation

MODIFIED

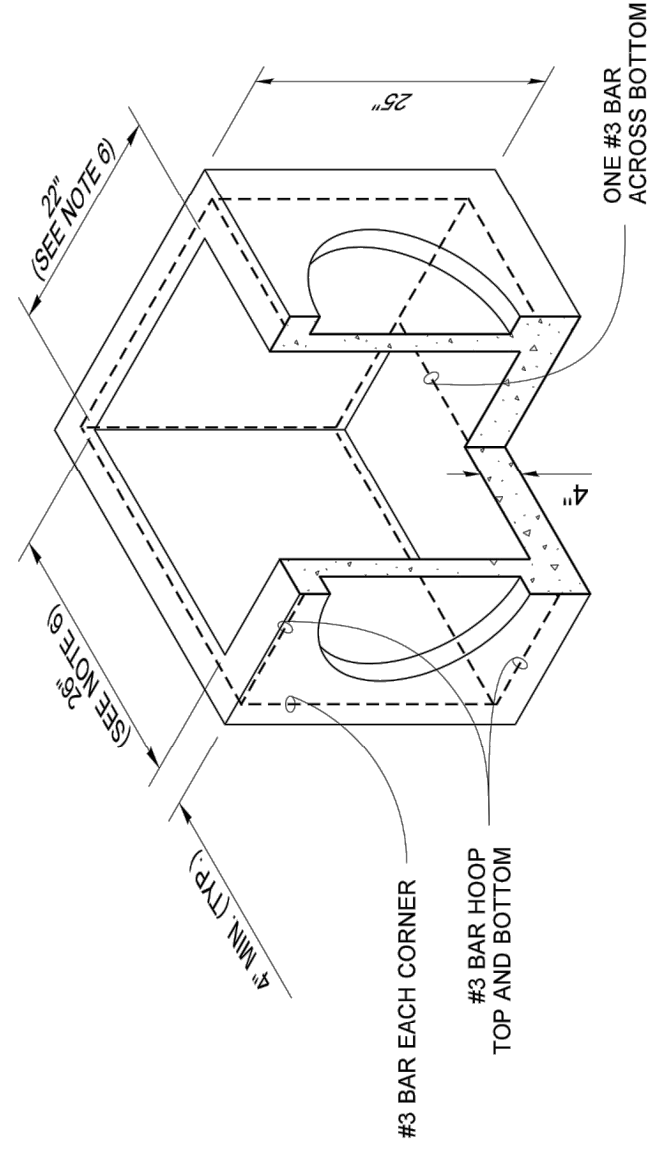
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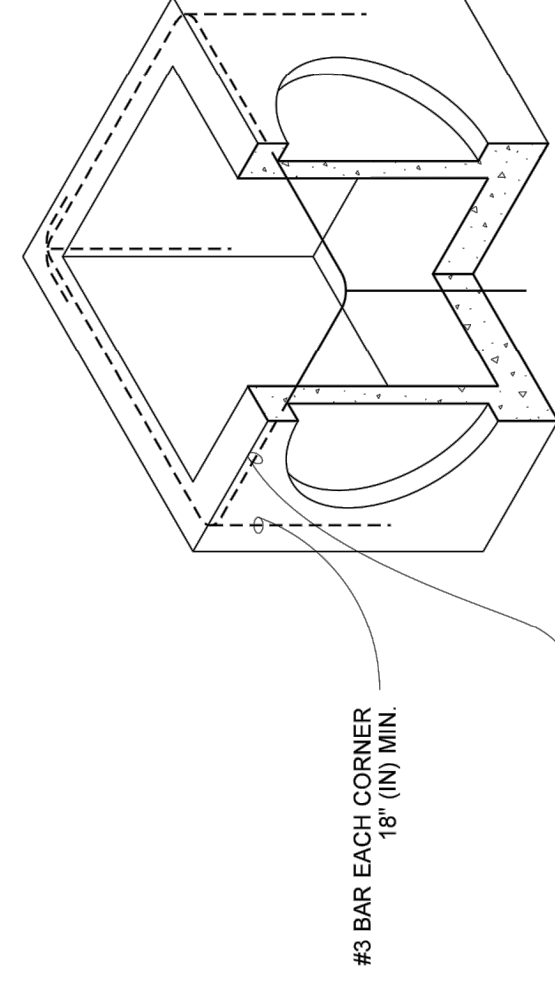
FRAME AND VANED GRATE



RECTANGULAR ADJUSTMENT SECTION



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

**NOTES**

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- The knockout diameter shall not be greater than 18" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
- The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
- The frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section.
- The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
- The opening shall be measured at the top of the precast base section.
- All pickup holes shall be grouted full after the inlet has been placed.
- Install rectangular adjustment sections, 4" min., 12" max.

PIPE MATERIAL	MAXIMUM DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CFSPP * (STD. SPEC. SECT. 9-05.20)	12"
POLYPROPYLENE (STD. SPEC. SECT. 9-05.24)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

\* CORRUGATED POLYETHYLENE STORM SEWER PIPE

**CONCRETE INLET**  
**STANDARD PLAN B-25.60-02**

SHEET 1 OF 1 SHEET  
APPROVED FOR PUBLICATION  
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STATE DESIGN ENGINEER  
WASHINGTON STATE Department of Transportation

MODIFIED

**BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811**  
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SHEET: **8**  
OF: **12**

JOB NO.: 22488.00

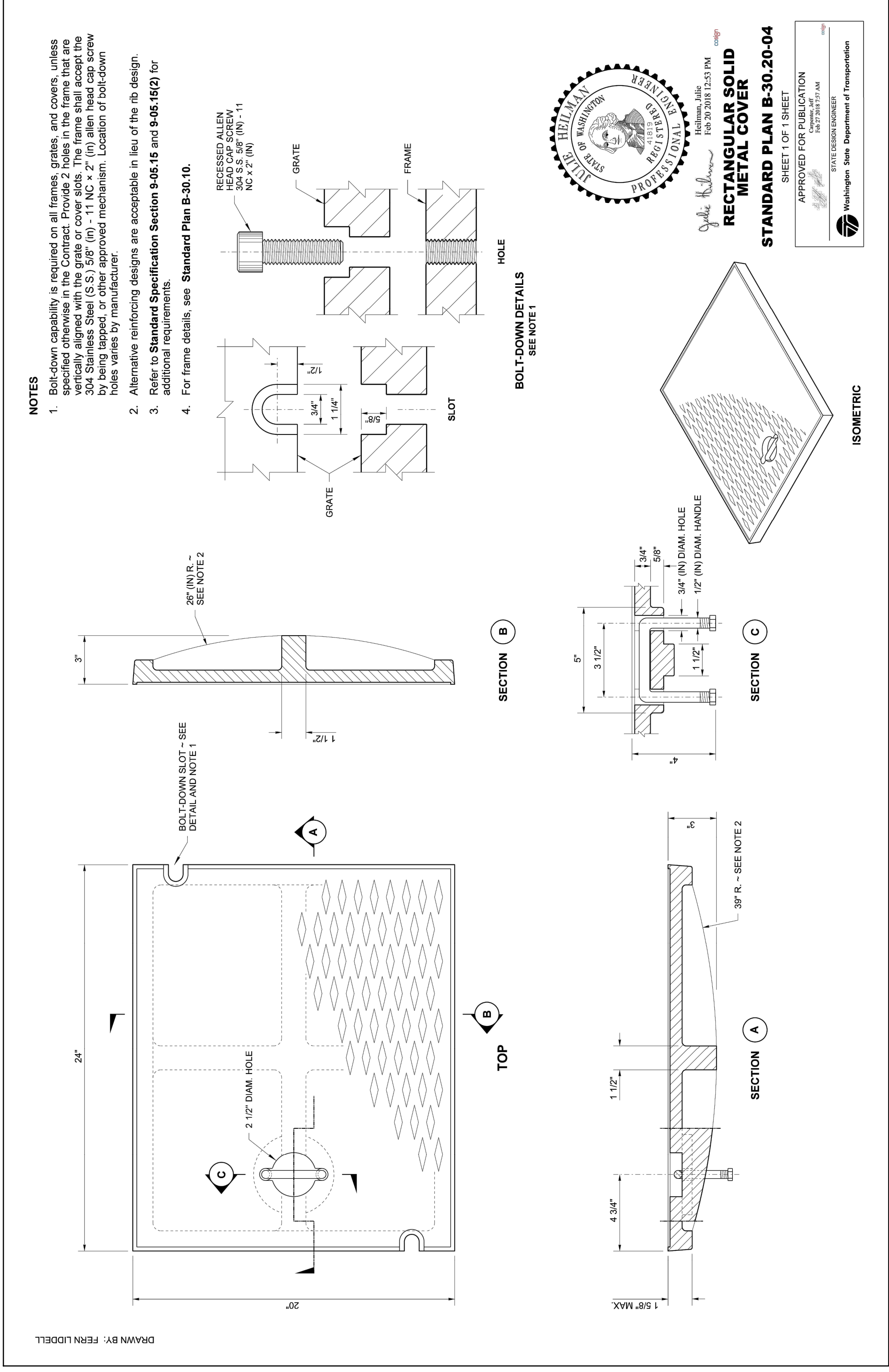
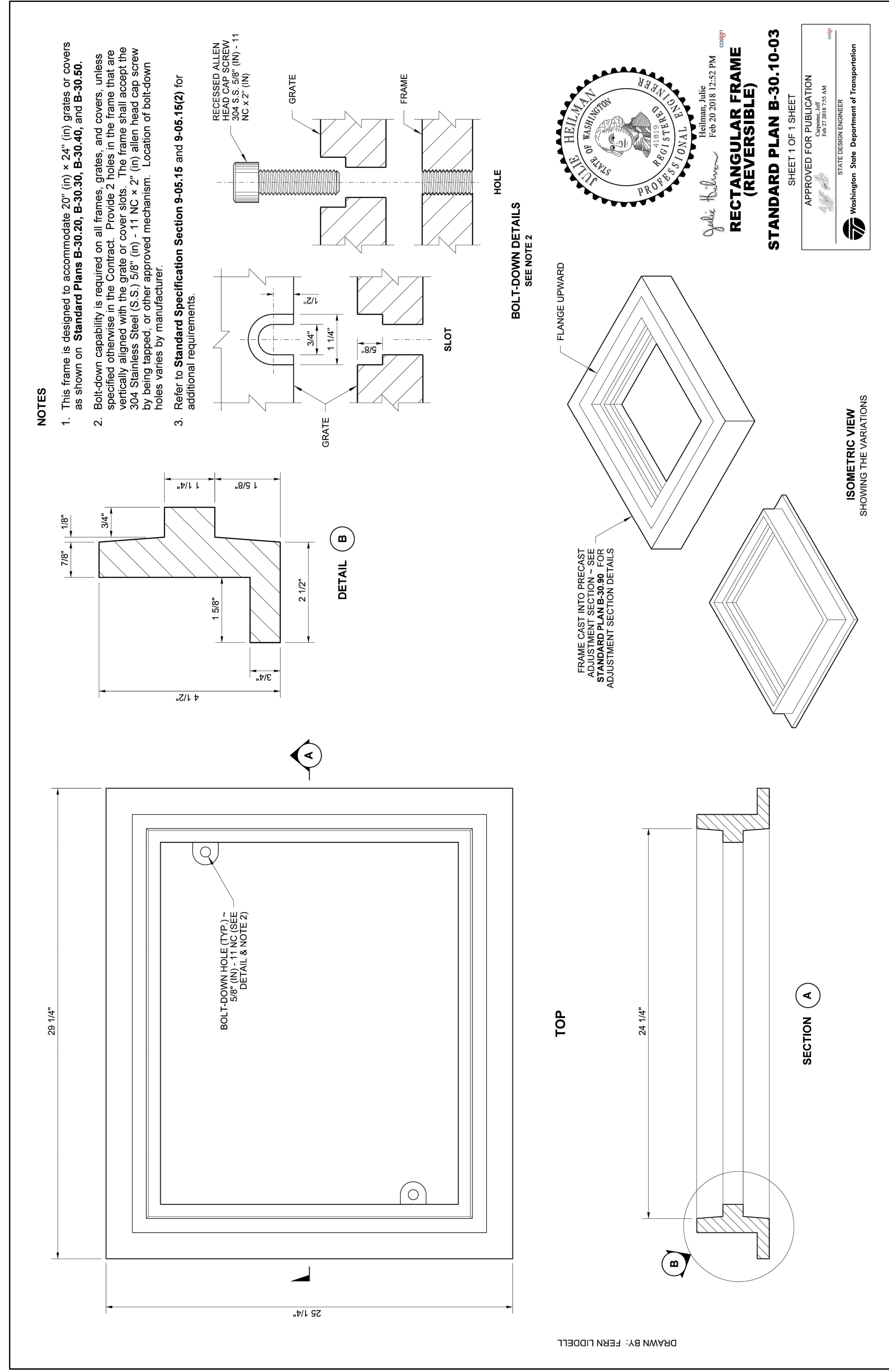
**CITY OF MEDINA**  
KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
STORM DETAILS



DATE: JUNE 2022  
SCALE: NOTED  
DRAWN: SEM  
CHECKED: KW/B  
APPROVED: RWK

No.	REVISION	DATE	APPD

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CONSULTING ENGINEERS  
3710 168TH STREET NE, BLDG. B, SUITE 210  
ARLINGTON, WA 98223 • (860) 454-5490



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SHEET: **9**  
OF: **12**

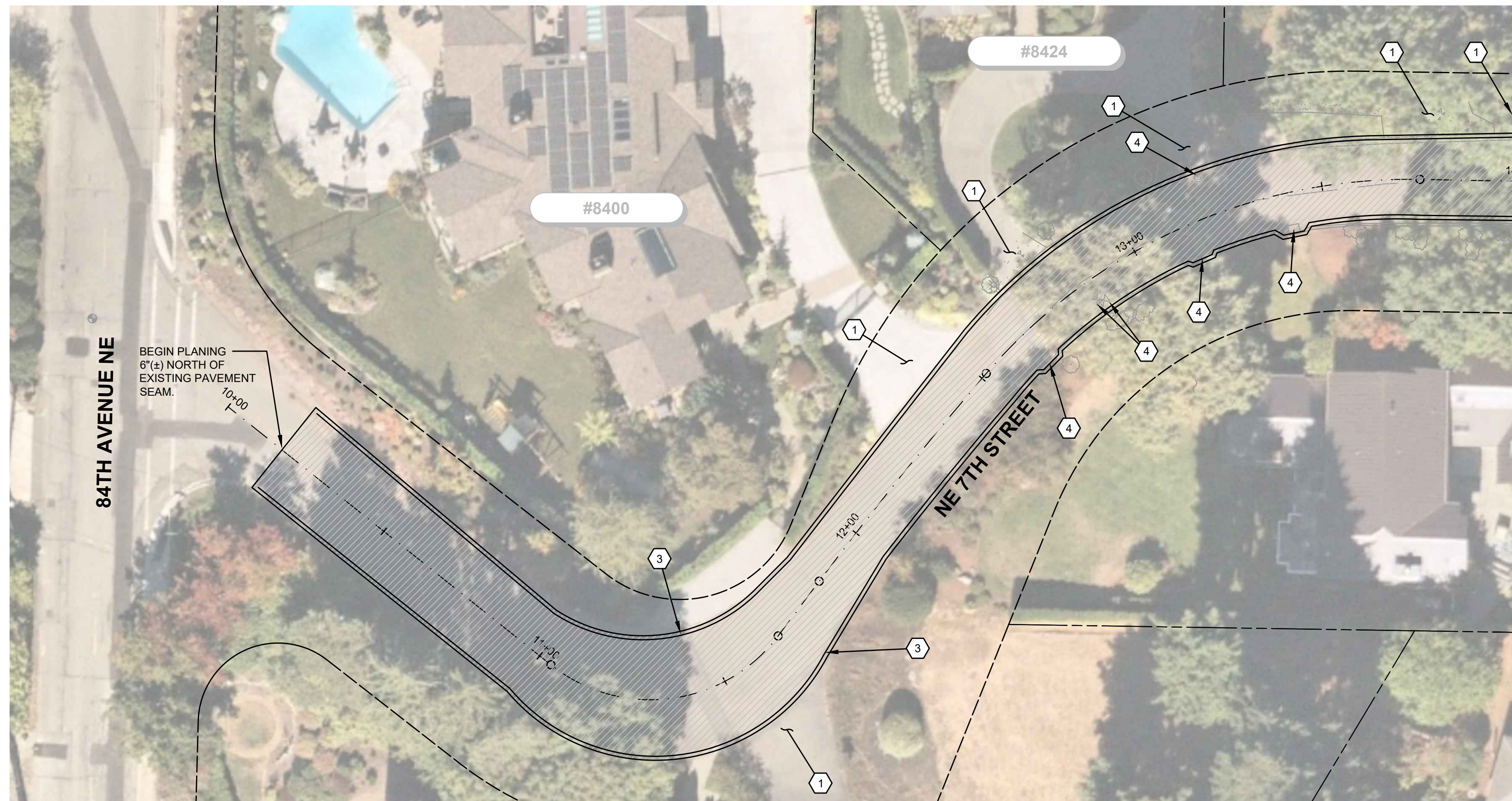
JOB NO.: 22488.00

**CITY OF MEDINA**  
KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
STORM DETAILS

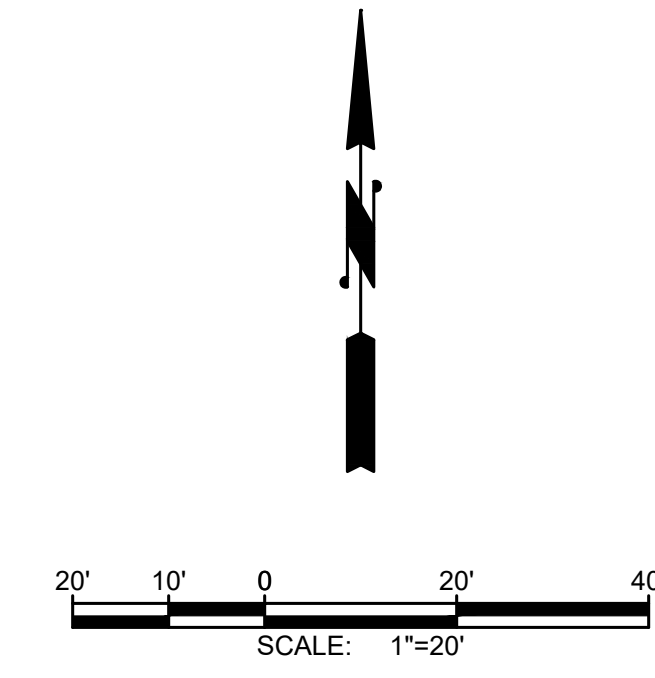
**LETITIA W. BROWN**  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WASHINGTON  
3888  
EXPIRES 12/31/2025  
**LETITIA W. BROWN**  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WASHINGTON  
41819  
EXPIRES 12/31/2025

DATE: JUNE 2022  
SCALE: NOTED  
DRAWN: SEM  
CHECKED: KW/B  
APPROVED: RW/K

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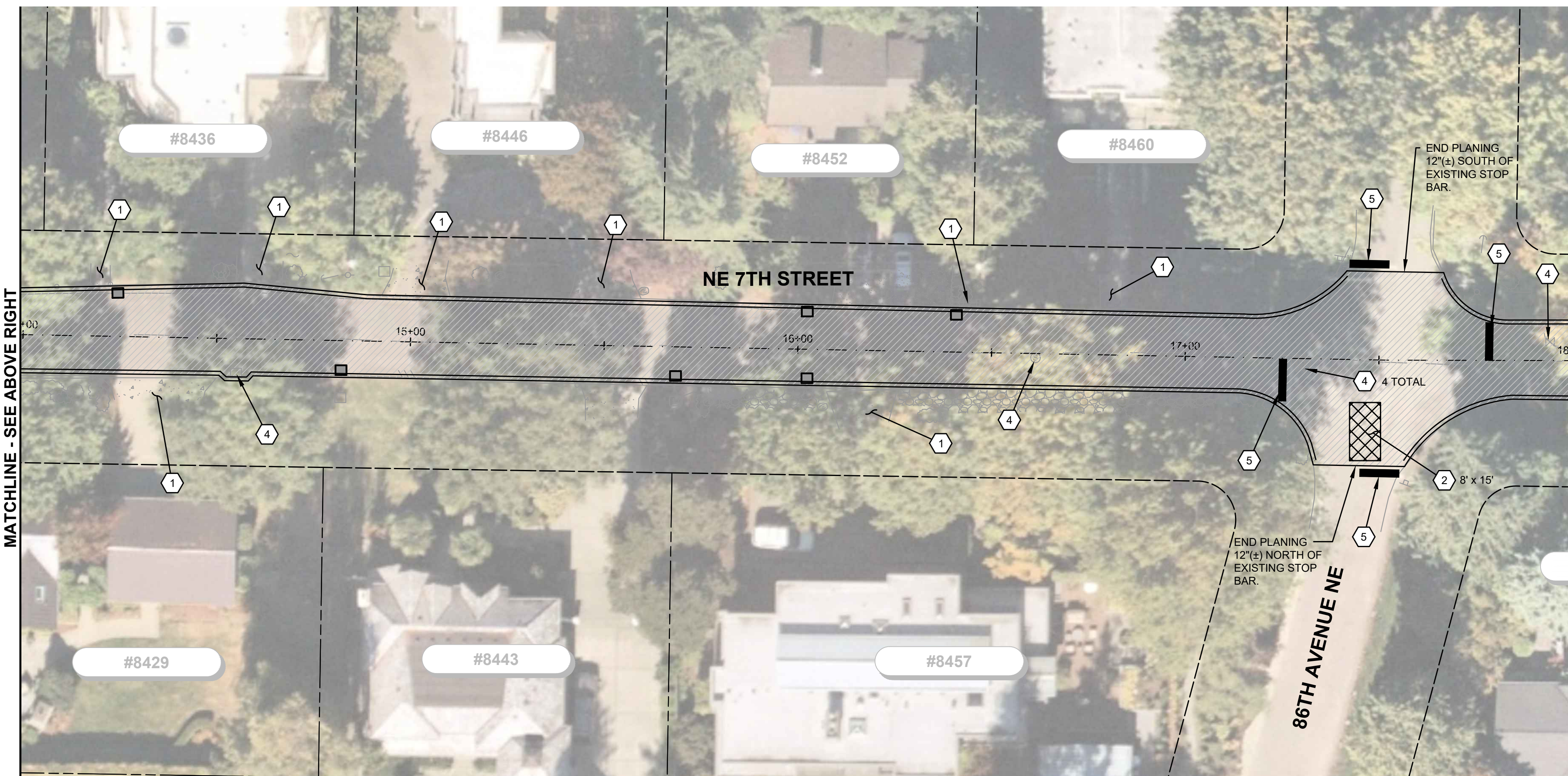


MATCHLINE - SEE BELOW LEFT



**NOTES**

1. PROTECT EXISTING MAILBOX, PATHWAY, DRIVEWAY (SURFACE TYPE VARIES), AND LANDSCAPING DURING CONSTRUCTION.
2. REPAIR EXISTING PAVEMENT SURFACE, SEE DETAIL SHEET 12.
3. RESET EXISTING FRAME AND GRATE TO MATCH THE ROADWAY GRADE, SEE SHEET 12.
4. PROTECT EXISTING SEWER MANHOLE, CATCH BASIN AND WATER VALVE BOX DURING CONSTRUCTION.
5. INSTALL 12" WIDE PLASTIC STOP LINE.



MATCHLINE - SEE ABOVE RIGHT

MATCHLINE - SEE SHEET 10

**Gray & Osborne, Inc.**  
CONSULTING ENGINEERS

DATE:	JUNE 2022
SCALE:	NOTED
DRAWN:	SEM
CHECKED:	KWB
APPROVED:	RWK

No.	REVISION	DATE	APPD

6/14/2022

**CITY OF MEDINA**  
KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
PAVING PLAN

SHEET:	<b>10</b>
OF:	<b>12</b>
JOB NO.:	22488.00

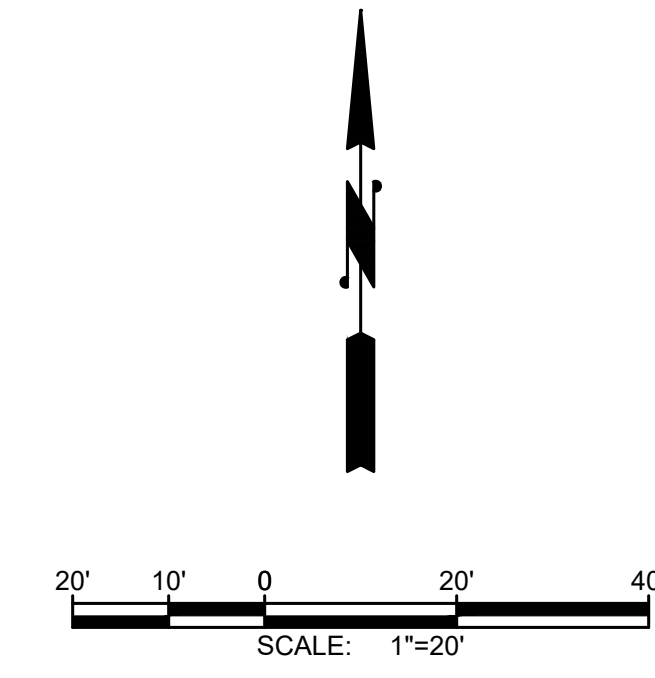
**BURIED UTILITIES IN AREA CALL BEFORE YOU DIG 1-811**  
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**NOTES**

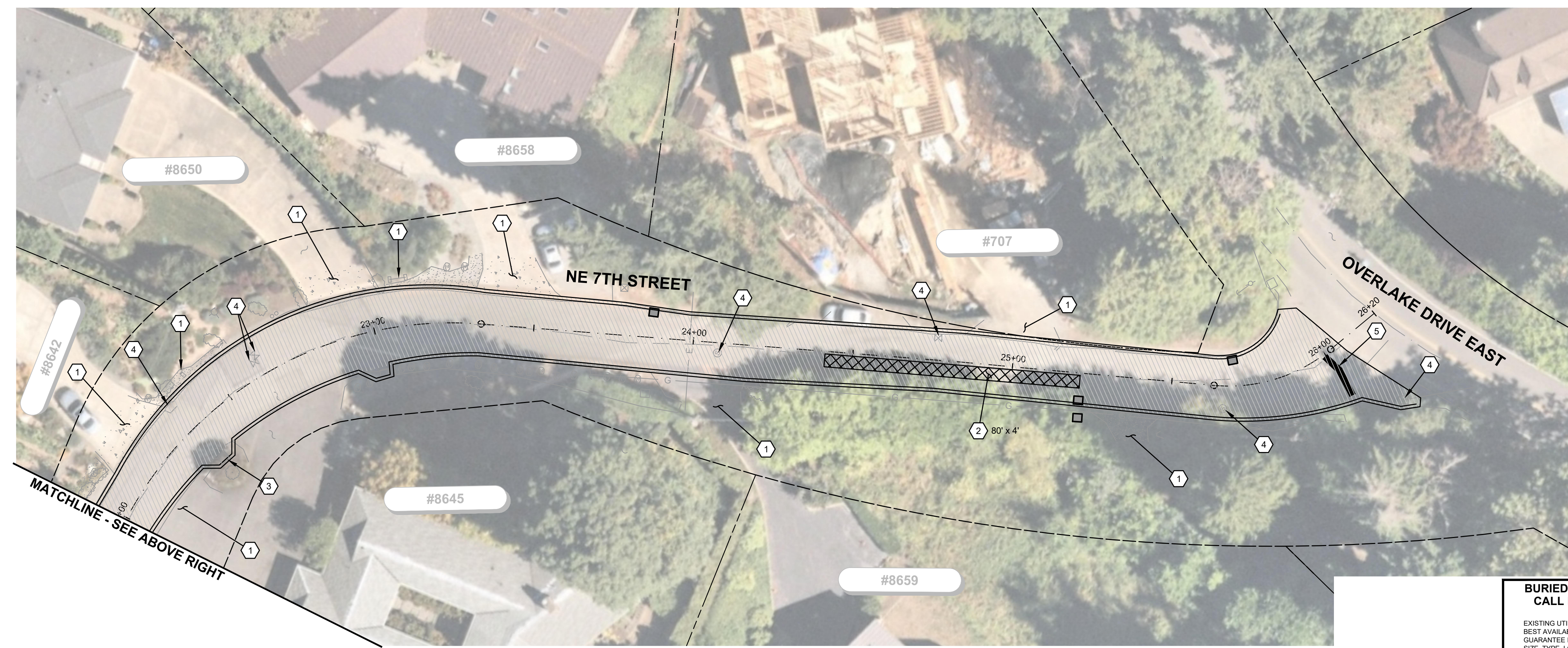
1. PROTECT EXISTING MAILBOX, PATHWAY, DRIVEWAY (SURFACE TYPE VARIES), AND LANDSCAPING DURING CONSTRUCTION.
2. REPAIR EXISTING PAVEMENT SURFACE, SEE DETAIL SHEET 12.
3. RESET EXISTING FRAME AND GRATE TO MATCH THE ROADWAY GRADE, SEE SHEET 12.
4. PROTECT EXISTING SEWER MANHOLE, CATCH BASIN AND WATER VALVE BOX DURING CONSTRUCTION.
5. INSTALL 12" WIDE PLASTIC STOP LINE.



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CONSULTING ENGINEERS

DATE:	JUNE 2022
SCALE:	NOTED
DRAWN:	SEM
CHECKED:	KWB
APPROVED:	RWK

No.	REVISION	DATE	APPD



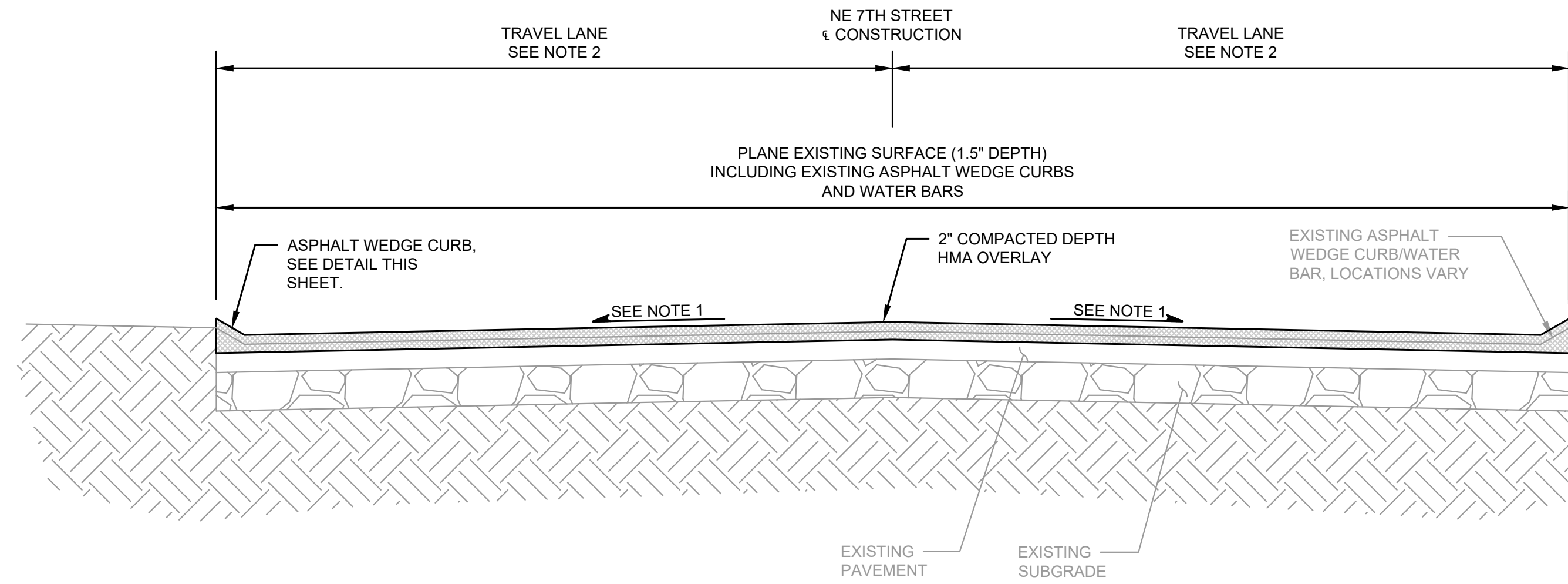
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6/14/2022

**CITY OF MEDINA**  
WASHINGTON  
KING COUNTY  
**NE 7TH STREET IMPROVEMENTS**  
PAVING PLAN

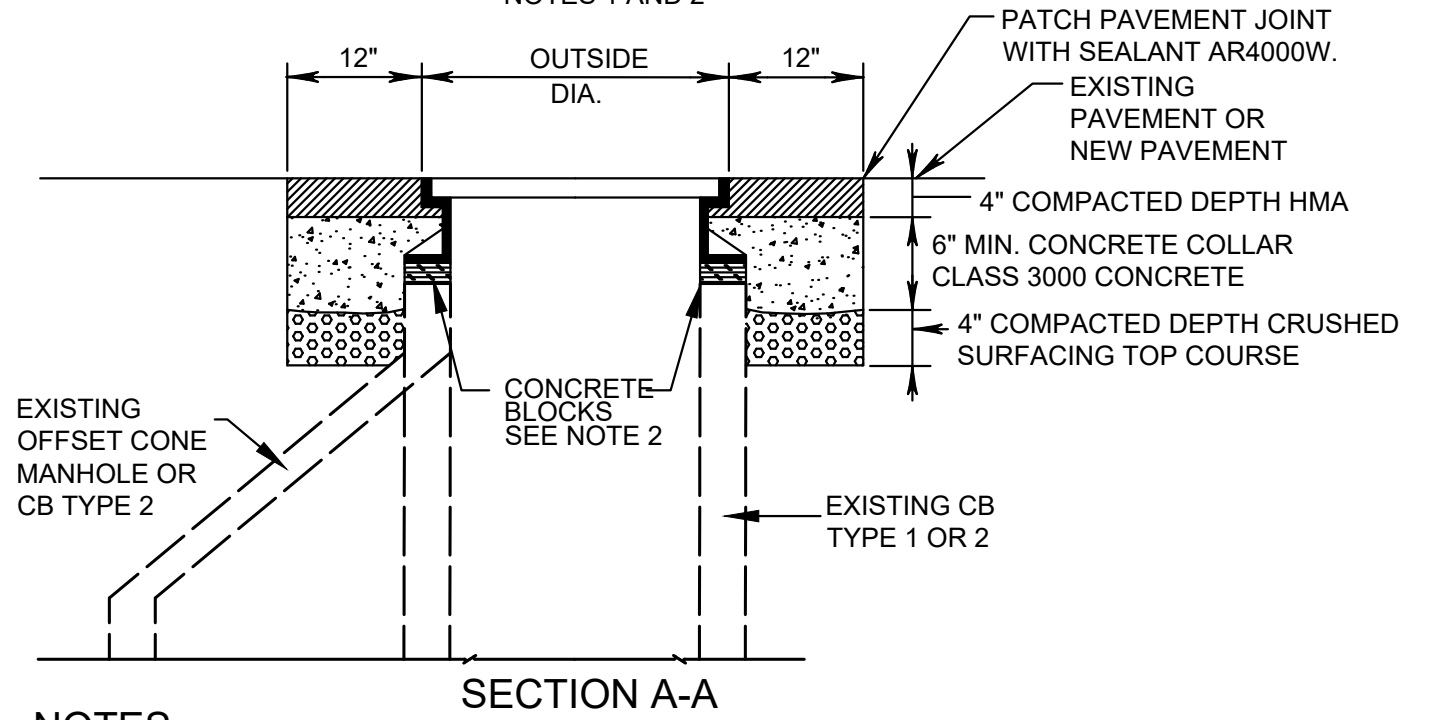
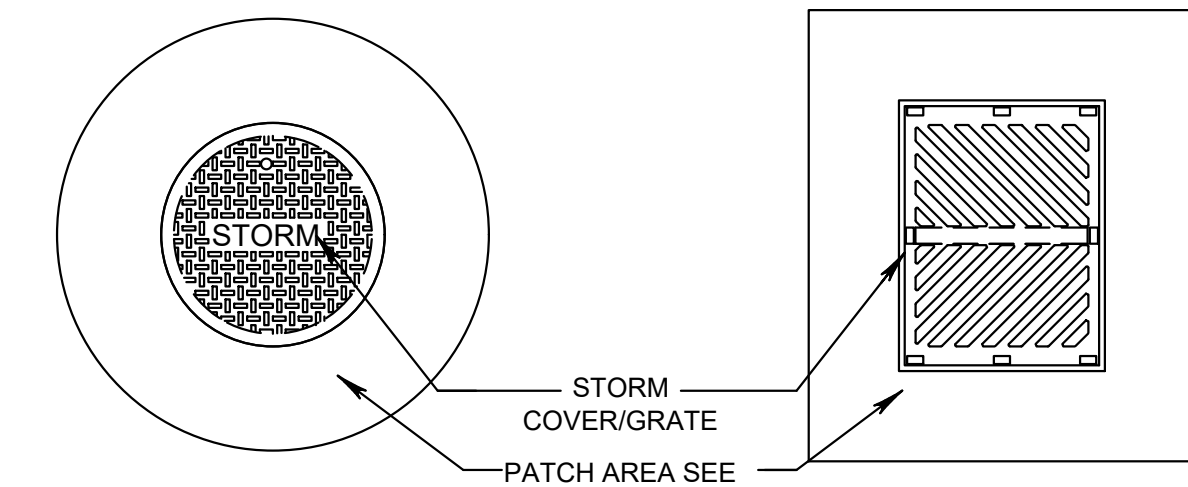
SHEET:	<b>11</b>
OF:	<b>12</b>
JOB NO.:	22488.00



**TYPICAL CROSS SECTION**  
SCALE: NTS

**GENERAL NOTE:**

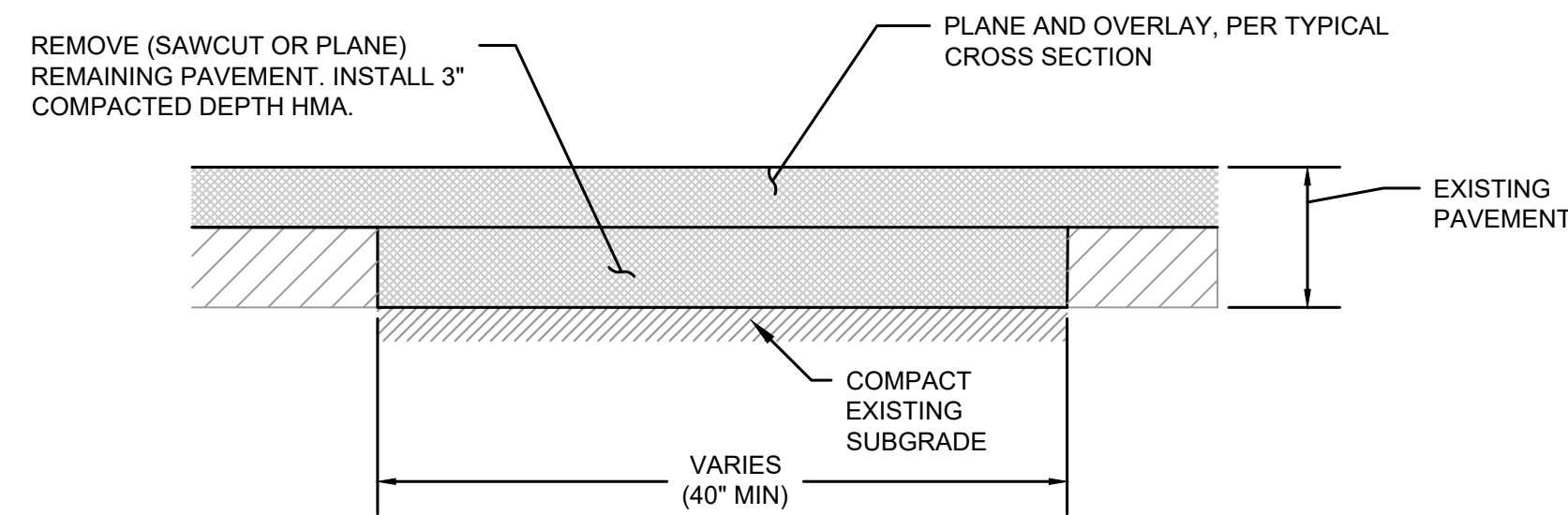
1. CROSS SLOPE VARIES. CONTRACTOR SHALL MATCH THE EXISTING CROSS SLOPE.
2. TRAVEL LANE WIDTHS VARY. CONTRACTOR SHALL MATCH THE EXISTING TRAVEL LANE WIDTHS.



**NOTES:**

1. REMOVE PAVEMENT AND BASE MATERIALS FOR A DISTANCE WHICH IS EQUAL TO THE DIAMETER OF THE FRAME PLUS TWO FEET. ADJUST CASTING FRAME TO NEW PAVEMENT SURFACE USING CONCRETE BLOCKS & CONCRETE GROUT.
2. 2"x4"x8" SOLID BRICK USED FOR FINAL ADJUSTMENT TO GRADE. 6" HIGH MAX.

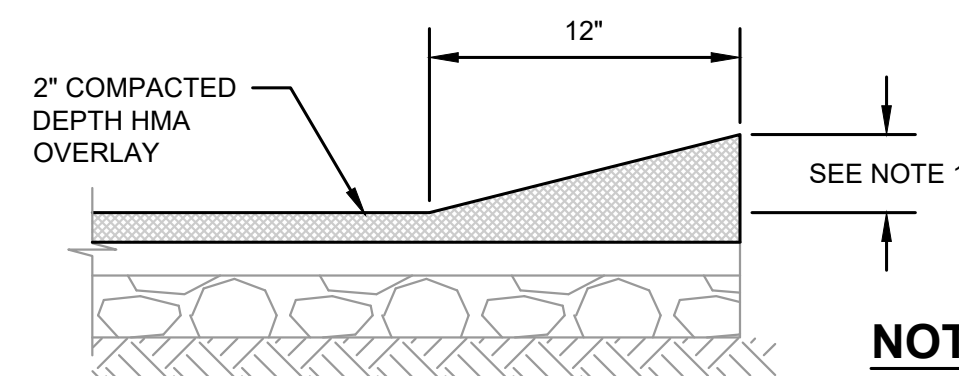
**3 MANHOLE-FRAME AND COVER ADJUSTMENT DETAIL**  
SCALE: NTS



**NOTES:**

1. AREAS TO BE REPAIRED TO BE VERIFIED IN THE FIELD BY CONTRACTING AGENCY.

**1 PAVEMENT REPAIR DETAIL**  
SCALE: NTS



**NOTE:**

1. REDUCE WEDGE CURB HEIGHT AS NEEDED TO MATCH EXISTING DRIVEWAYS AND WALKWAYS. 2" MINIMUM, 3" MAXIMUM.

**2 ASPHALT WEDGE CURB DETAIL**  
SCALE: NTS

DATE: JUNE 2022	SCALE: NOTED	SEIN	KWB	RWK
	DRAWN:	CHECKED:		APPROVED:

DATE	APPD
REVISION	No.



**CITY OF MEDINA**  
KING COUNTY WASHINGTON  
**NE 7TH STREET IMPROVEMENTS**  
ROADWAY DETAILS

SHEET: <b>12</b>
OF: <b>12</b>
JOB NO.: 22488.00

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