

STORM LINE REPLACEMENT

CITY OF ROSEBURG,
DOUGLAS COUNTY, OREGON



CITY PROJECT NUMBER 22GR20

SHEET INDEX

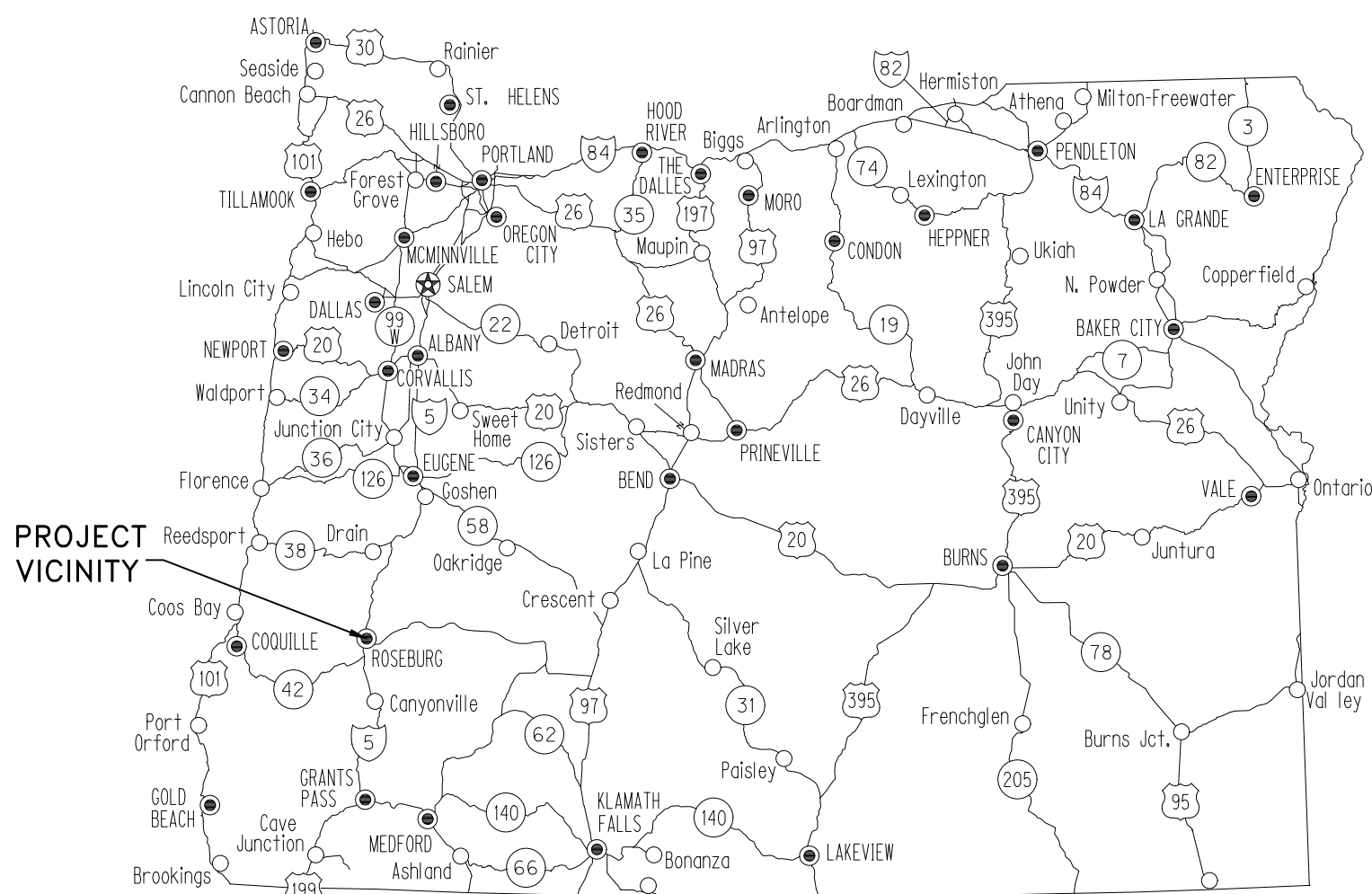
C.1 COVER SHEET
C.2 OVERALL LAYOUT - CALKINS AVE & TROOST ST
C.3 OVERALL LAYOUT - HARVARD AVE
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C.9 KENWOOD ST ALIGNMENT
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SD.1 DETAILS

ASBESTOS SPECIAL NOTE:

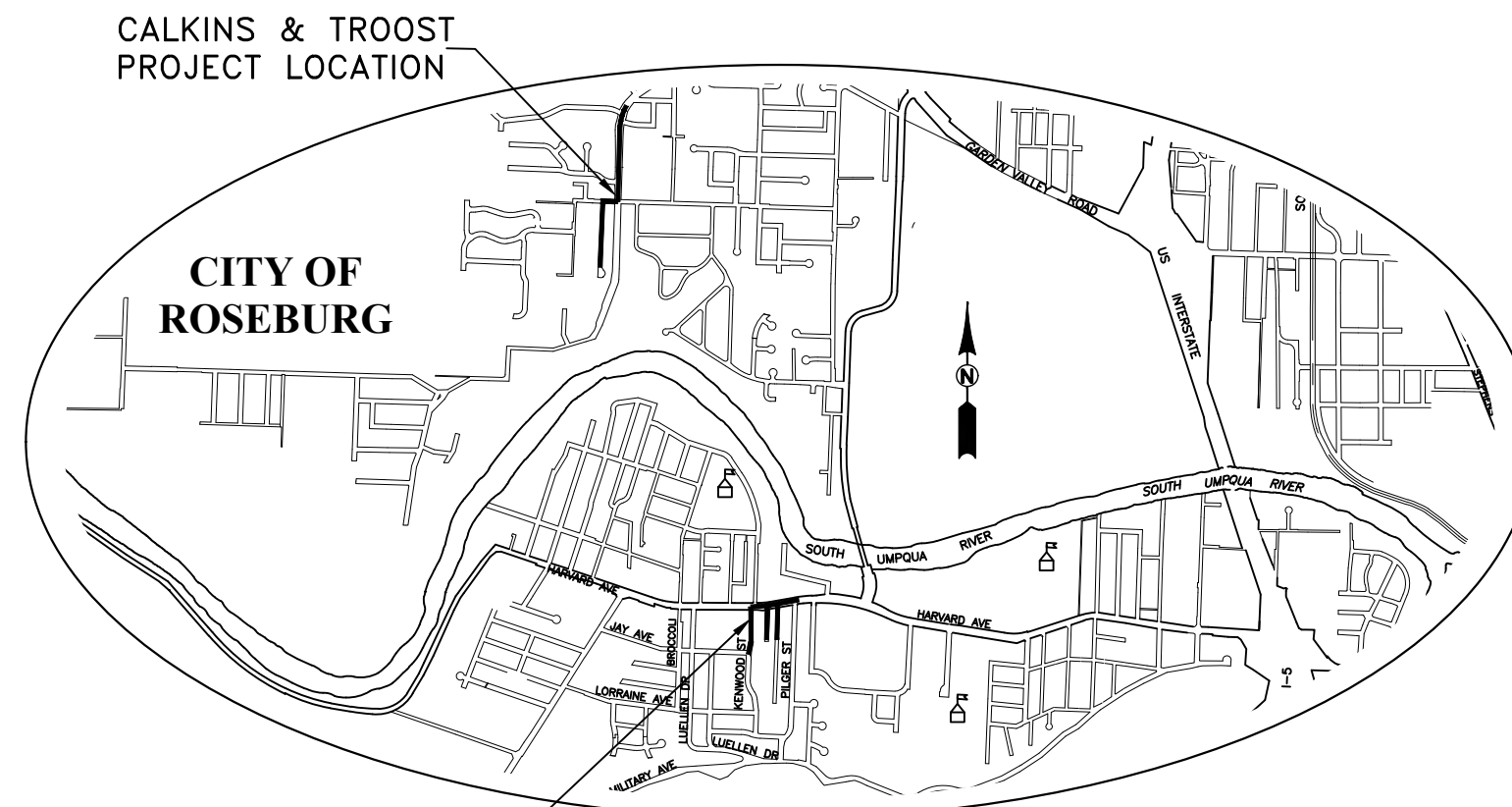
MATERIALS CONTAINING ASBESTOS MAY BE PRESENT IN UNDERGROUND PIPE SYSTEMS. ALL APPROPRIATE FEDERAL, STATE, COUNTY AND MUNICIPAL RULES, REGULATIONS AND GUIDELINES MUST BE FOLLOWED WHEN WORKING WITH ASBESTOS-CONTAINING MATERIAL. NONFRIABLE ASBESTOS MUST BE REMOVED BY THE CONTRACTOR. IF THE ASBESTOS IS RELEASED IN A WAY THAT PREVENTS FROM BECOMING FRIABLE AND RELEASING ASBESTOS FIBERS, THE CONTRACTOR SHALL: IF AC PIPE IS SHATTERED, DAMAGED OR BADLY WEATHERED, IT IS CONSIDERED TO BE FRIABLE AND WILL LIKELY RELEASE ASBESTOS FIBERS. DEQ LICENSED ASBESTOS ABATEMENT CONTRACTOR USING DEQ CERTIFIED WORKERS MUST REMOVE ALL FRIABLE ASBESTOS MATERIAL. ANY AND ALL PERMITS AND FEES THAT ARE REQUIRED BY DEQ, DEQ DOUGLAS COUNTY AND ANY OTHER AGENCY OR AGENCY AGENCY MUST BE OBTAINED BY THE CONTRACTOR BEFORE DISPOSING OF THE ASBESTOS CONTAINING MATERIAL. FOR INFORMATION ABOUT ASBESTOS RULES, CONTACT THE DEQ WESTERN REGION OFFICE IN MEDFORD, OREGON.

LEGEND

(ELEV.)	EXISTING CONTOUR ELEV.	○	MANHOLE (MH)
ELEV.	NEW CONTOUR ELEV.	□	CURB INLET (CI)
-----	EXISTING EDGE OF AC OR GRAVEL	▣	CATCH BASIN (CB)
-----	SAW CUT	•	CLEANOUT
R/W	EXISTING RIGHT-OF-WAY	⦿	FIRE HYDRANT
R/W	NEW RIGHT-OF-WAY	⊗	VALVE
SS	EXISTING SANITARY SEWER (SS)	■	WATER METER
SS	NEW SANITARY SEWER (SS)	⚡	BLOWOFF
PS	EXISTING PRESSURE SEWER (PS)	⚙	POWER POLE
PS	NEW PRESSURE SEWER (PS)	⊘	LIGHT POLE
STS	EXISTING STORM SEWER (STS)	↖	GUY WIRE
STS	NEW STORM SEWER (STS)	▤	POWER PEDESTAL
W	EXISTING WATER	▤	TELEPHONE PEDESTAL
W	NEW WATER	Ⓜ	GAS METER
UG	EXISTING POWER (UNDERGROUND)	Ⓜ	CABLE TV PEDESTAL
UG	EXISTING POWER (OVERHEAD)	MAIL	MAIL BOX
UGU	NEW UNDERGROUND (TV, POWER, PHONE)	➤	FLOW DIRECTION ARROW
C	NEW ELECTRICAL CONDUIT	🌳	TREE (EVERGREEN)
GAS	EXISTING GAS	🌳	TREE (DECIDUOUS)
TV	EXISTING CABLE TV	⦿	DETAIL #
X	EXISTING FENCE	⦿	SHEET #
X	NEW FENCE		DETAIL REFERENCE
S-F	SILT FENCE (S-F)		
TFC	TOP FACE OF CURB		
TC	TOP OF CURB		
FL	GUTTER FLOW LINE		
LIP	GUTTER LIP		
BW	BACK OF SIDEWALK		
AC	ASPHALT		
CONC	CONCRETE		
FG	FINISH GRADE		
OG	ORIGINAL GROUND		



VICINITY MAP



PROJECT LOCATION

LOCATION MAP

NTS



i.e. Engineering, inc.
809 SE Pine St
Roseburg, OR
ieengineering.com



EXPIRES: 12/31/2024

Rev.	Date	Dwg	Description

CALKINS-TROOST-RAINBOW-HAGGERTY STORM

ROSEBURG, OR

COVER SHEET

PROJECT NO. 0149-220

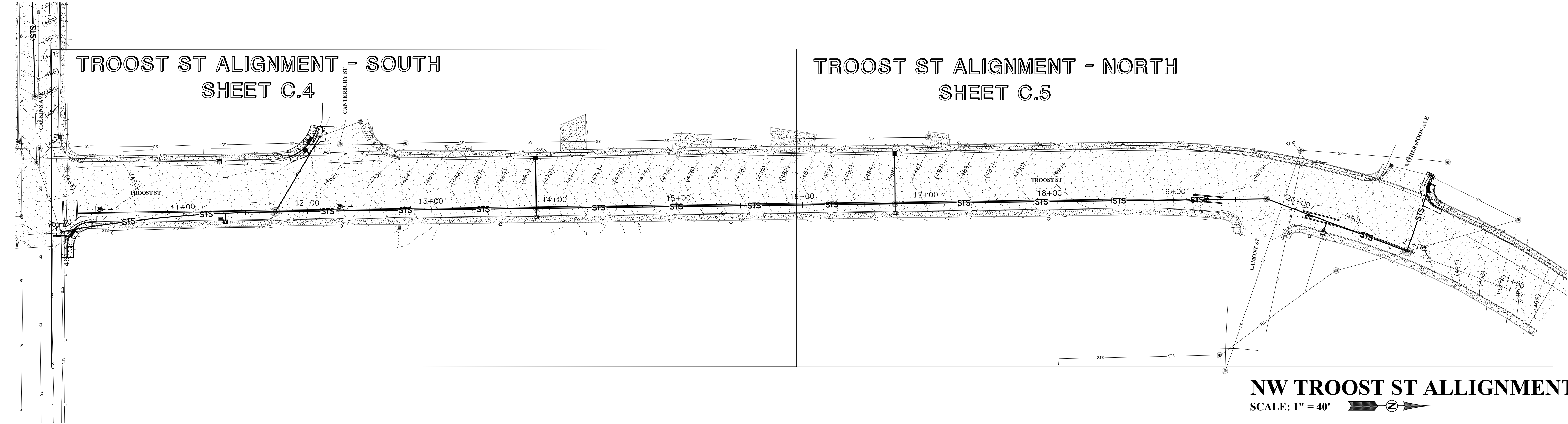
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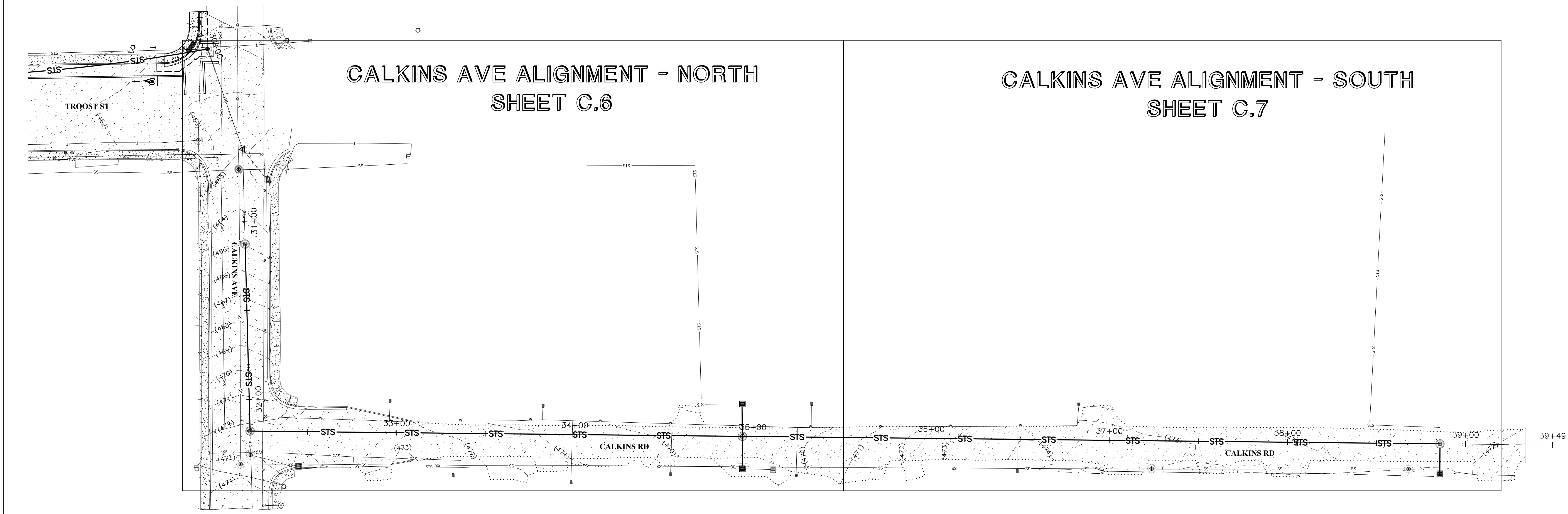
FEBRUARY 22, 2023

C.1

CALL BEFORE YOU DIG!
ONE CALL: (800) 332-2344
 OAR 952-001-0010 THROUGH
 OAR 952-001-0090

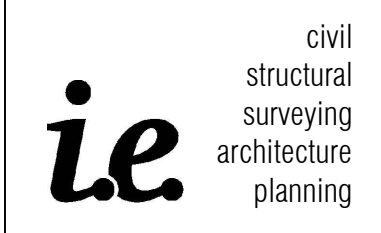


NW TROOST ST ALIGNMENT
SCALE: 1" = 40'



NW CALKINS RD ALIGNMENT
SCALE: 1" = 30'

CALL BEFORE YOU DIG !
ONE CALL: (800) 332-2344
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OAR 952-001-0090

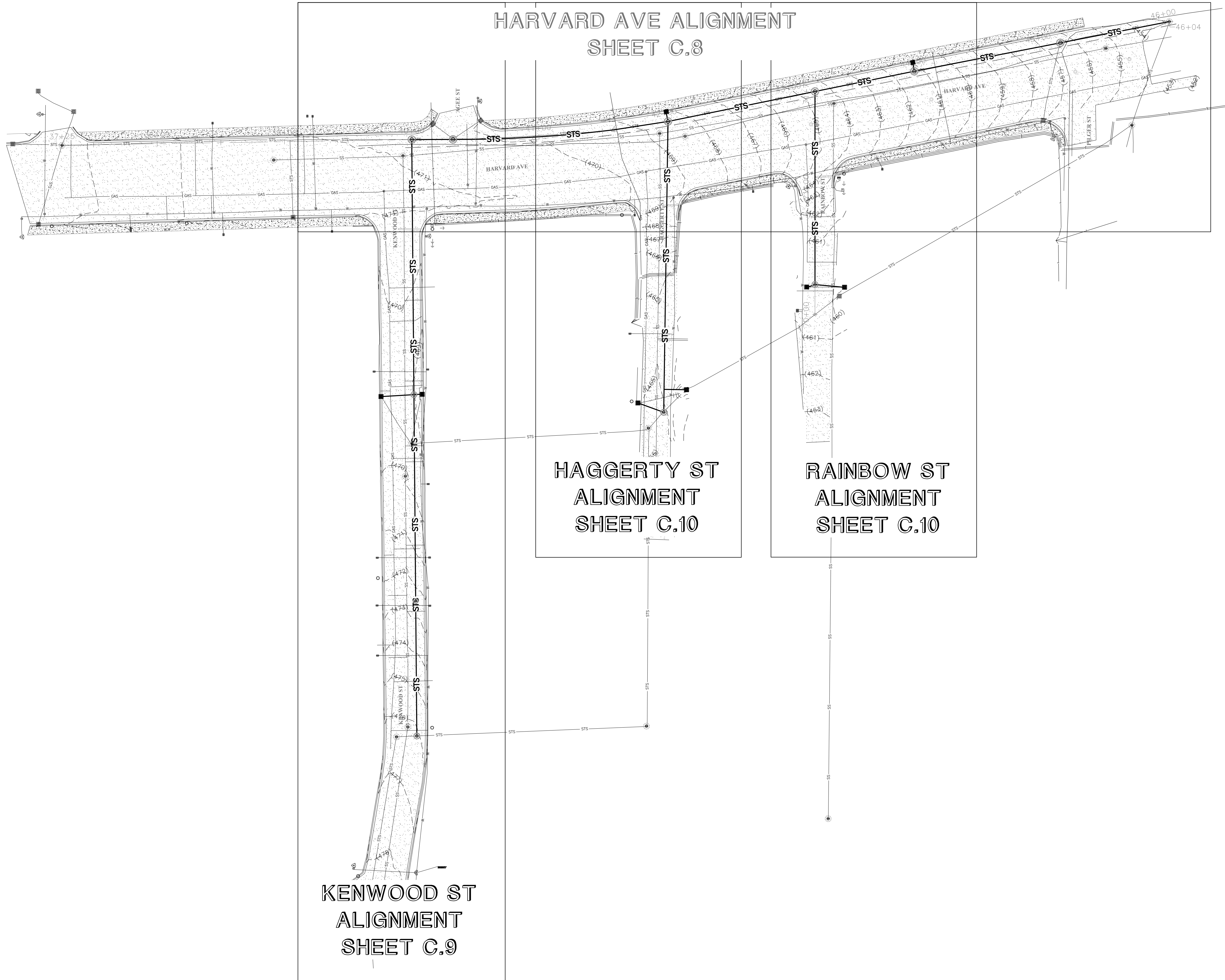


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Roseburg, OR
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CALKINS-TROOST-RAINBOW-HAGGERTY STORM				
Rev.	Date	Dwg	Description	

CALKINS AVE & TROOST ST
ROSEBURG, OR
OVERALL LAYOUT - TROOST & CALKINS
SCALE VARIES
FEBRUARY 22, 2023
DW: CPH
CHK: EDR
PROJECT NO. 0149-220
ISSUE FOR BID

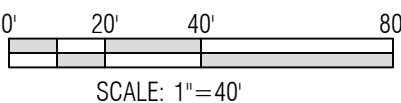


W HARVARD AVE ALIGNMENT

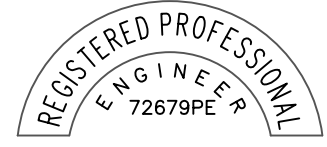
SCALE: 1" = 40'



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OAR 952-001-0010 THROUGH
OAR 952-001-0090



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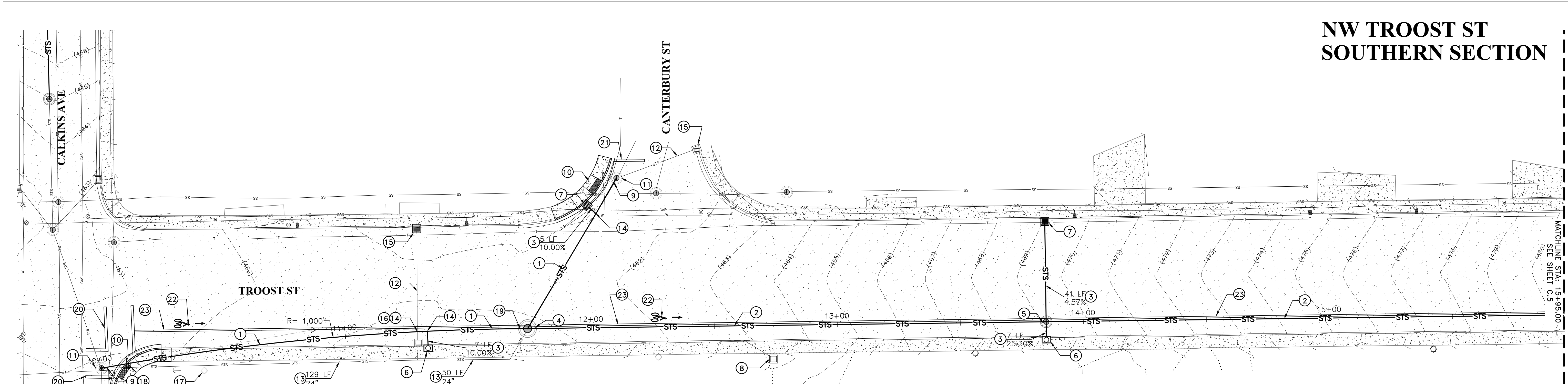


EXPIRES: 12/31/2024

CALKINS-TROOST-RAINBOW-HAGGERTY STORM				
Rev.	Date	Dwg	Description	

HARVARD AVE
ROSEBURG, OR
OVERALL LAYOUT - HARVARD
SCALE 1" = 40'
PROJECT NO. 0149-220
DRAWN: CPH
FEBRUARY 22, 2023
CHECKED: EDR
ISSUE FOR BID

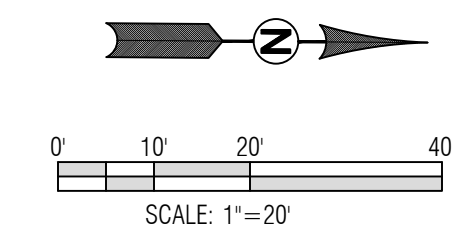
C.3



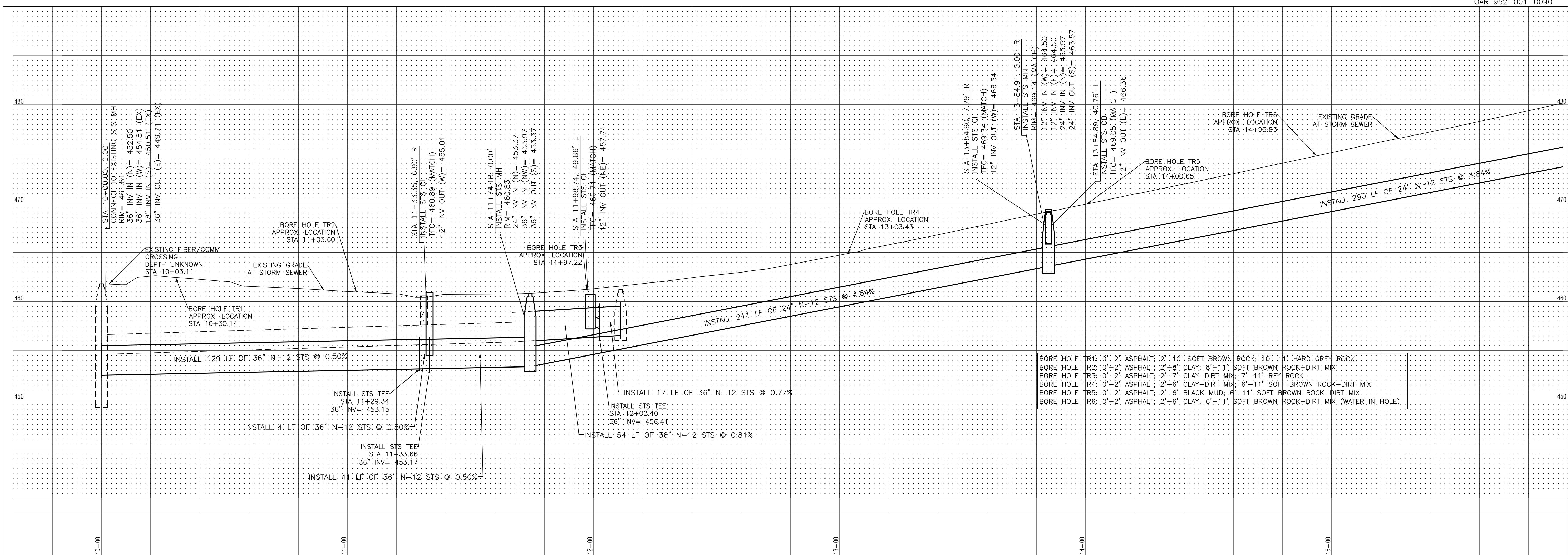
NW TROOST ST
SOUTHERN SECTION

KEYED DRAINAGE NOTES: (#)

1. INSTALL 36" STS PIPE, LENGTH AND SLOPE PER PROFILE (SEE STD DWG RD300)
2. INSTALL 24" STS PIPE, LENGTH AND SLOPE PER PROFILE (SEE STD DWG RD300)
3. INSTALL 12" STS PIPE, LENGTH AND SLOPE PER PROFILE/PLAN (SEE STD DWG RD300)
4. INSTALL 72" STS MANHOLE, SEE RIM AND INVERT ELEVATIONS IN PROFILE VIEW (SEE STD DWGS RD346, RD356)
5. INSTALL 48" STS MANHOLE, SEE RIM AND INVERT ELEVATIONS IN PROFILE VIEW (SEE STD DWGS RD335, RD336, RD344)
6. INSTALL STS CURB INLET CG-3 W/ FLEXSTORM, FLOGARD+ OR APPROVED EQUAL FILTER, TFC AND INVERT ELEVATIONS PER PROFILE (SEE STD DWGS RD371, RD372)
7. INSTALL STS CATCH BASIN C-2 W/ FLEXSTORM, FLOGARD+ OR APPROVED EQUAL FILTER, GRATE AND INVERT ELEVATIONS PER PROFILE (SEE STD DWG RD364)
8. PROTECT EXISTING STORM INLET AND WEEPHOLE IN PLACE
9. CONNECT NEW STS PIPE TO EXISTING STS MANHOLE, SEE INVERTS IN PROFILE VIEW (STD DWG RD345)
10. RECONSTRUCT ADA RAMP PER DETAIL (SEE DETAIL ON SHEET SD.1 AND SEE STD DWGS RD902, RD920)
11. EXISTING STS MANHOLE TO REMAIN
12. EXISTING STS PIPE TO REMAIN
13. ABANDON EXISTING STS PIPE IN PLACE, CAP OR PLUG AT MANHOLE OR CATCH BASIN. FILL PIPES WITH SAND, CLSM, OR APPROVED MATERIAL, LENGTH AND DIAMETER PER PLAN.
14. INSTALL 36"x12" STS TEE WITH FITTINGS AS NEEDED, 36" INVERT PER PROFILE
15. PROTECT EXISTING INLET IN PLACE AND INSTALL FLEXSTORM, FLOGARD+, OR APPROVED EQUAL FILTER. (SEE DETAIL ON SHEET SD.1)
16. CONNECT EXISTING STS PIPE TO NEW STS 36"x12" TEE AND INSTALL BENDS AND FITTINGS AS NEEDED
17. CONTRACTOR TO COORDINATE WITH POWER COMPANY DURING CONSTRUCTION
18. BEGIN HORIZONTAL DEFLECTION OF STS PIPE, RADIUS PER PLAN
19. END HORIZONTAL DEFLECTION OF STS PIPE
20. INSTALL CROSS WALK AS SHOWN, "CW", NEW CROSS WALK SHALL MATCH INTO EXISTING CROSS WALK AS NEEDED (SEE STD DWG TM503)
21. INSTALL STOP BAR AS SHOWN, "S"(SEE STD DWG TM503)
22. INSTALL BIKE LANE STENCIL AS SHOWN, "BS" (SEE STD DWG TM503)
23. INSTALL 8" WHITE LINE, "W-2" FOR BIKE LANE LINE AS SHOWN, NEW LINE SHALL MATCH INTO EXISTING BIKE LANE AS NEEDED. (SEE STD DWG TM500)



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BORE HOLE TR1: 0'-2' ASPHALT; 2'-10' SOFT BROWN ROCK; 10'-11' HARD GREY ROCK
BORE HOLE TR2: 0'-2' ASPHALT; 2'-8' CLAY; 8'-11' SOFT BROWN ROCK-DIRT MIX
BORE HOLE TR3: 0'-2' ASPHALT; 2'-7' CLAY-DIRT MIX; 7'-11' REY ROCK
BORE HOLE TR4: 0'-2' ASPHALT; 2'-6' CLAY-DIRT MIX; 6'-11' SOFT BROWN ROCK-DIRT MIX
BORE HOLE TR5: 0'-2' ASPHALT; 2'-6' BLACK MUD; 6'-11' SOFT BROWN ROCK-DIRT MIX
BORE HOLE TR6: 0'-2' ASPHALT; 2'-6' CLAY; 6'-11' SOFT BROWN ROCK-DIRT MIX (WATER IN HOLE)

Rev.	Date	Dwg	Description

CALKINS-TROOST-RANBOW-HAGGERTY STORM

CALKINS AVE & TROOST ST
ROSEBURG, OR

TROOST ST ALIGNMENT - SOUTH

HORIZ. 1"= 20' VERT. 1"= 5'

FEBRUARY 22, 2023

ISSUE FOR BID

PROJECT NO. 0149-220
DRW: CPH
CHK: EDR

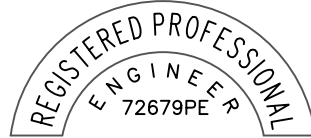
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NW TROOST ST
NORTHERN SECTION

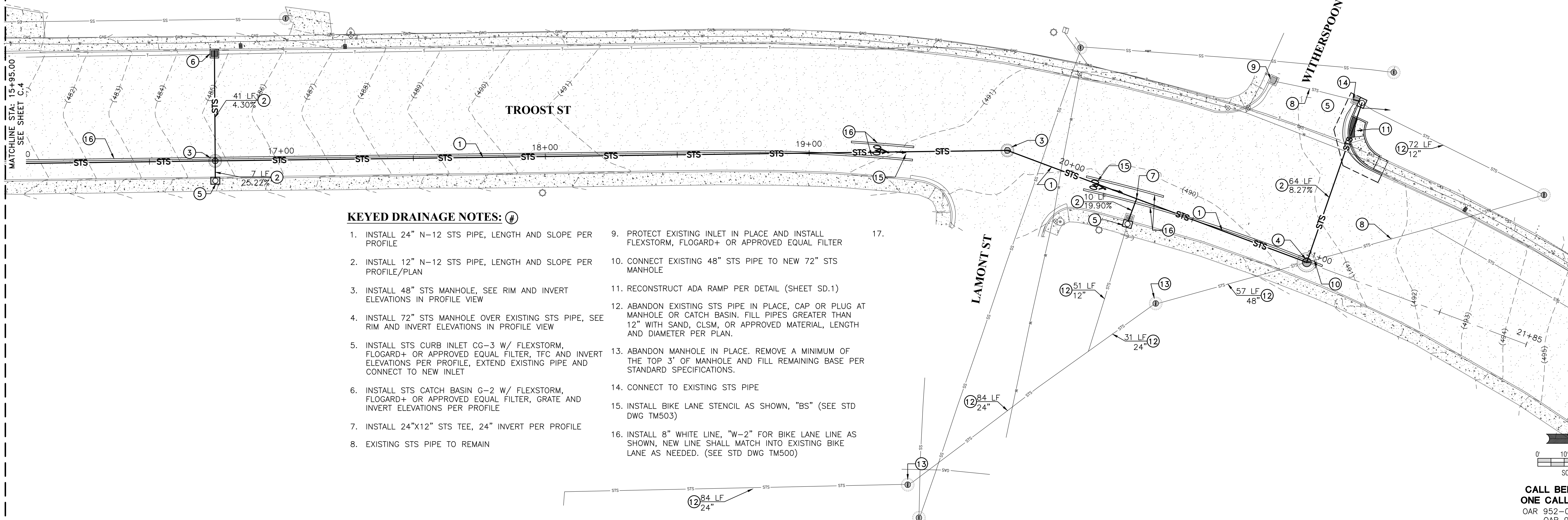


civil
structural
surveying
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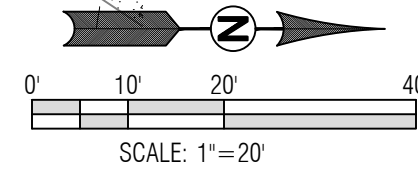


ERIK D. RANER
EXPIRES: 12/31/2024

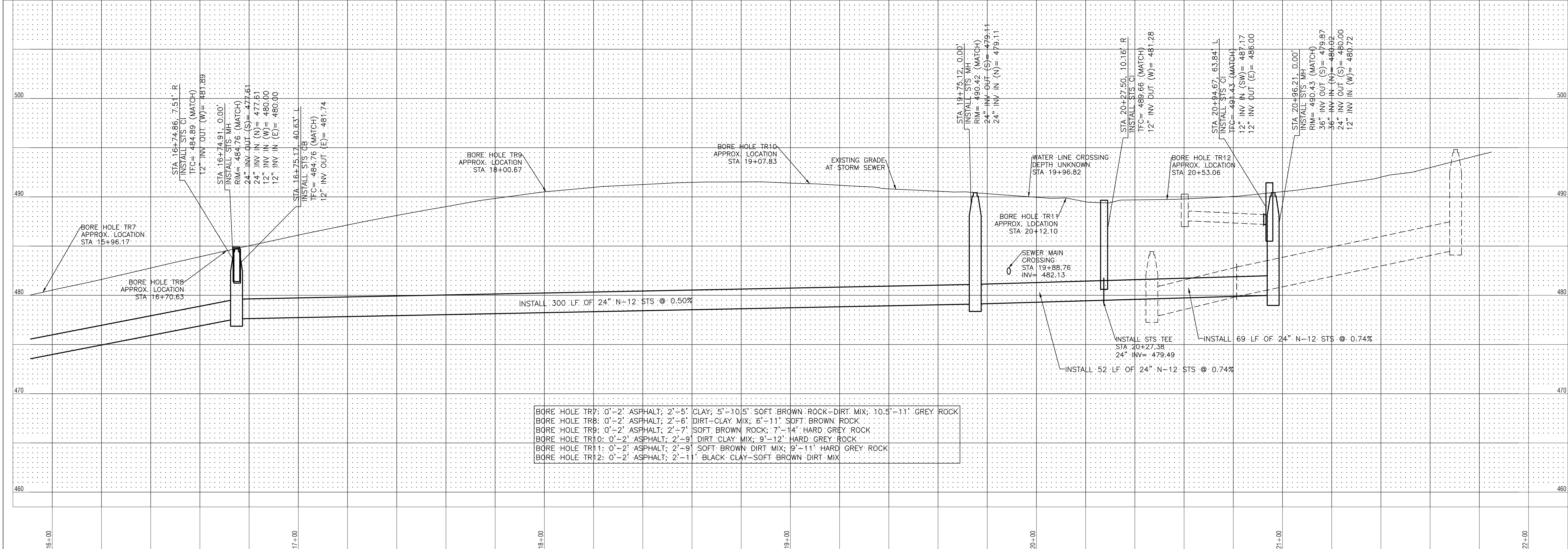


KEYED DRAINAGE NOTES: #

- 1. INSTALL 24" N-12 STS PIPE, LENGTH AND SLOPE PER PROFILE
- 2. INSTALL 12" N-12 STS PIPE, LENGTH AND SLOPE PER PROFILE/PLAN
- 3. INSTALL 48" STS MANHOLE, SEE RIM AND INVERT ELEVATIONS IN PROFILE VIEW
- 4. INSTALL 72" STS MANHOLE OVER EXISTING STS PIPE, SEE RIM AND INVERT ELEVATIONS IN PROFILE VIEW
- 5. INSTALL STS CURB INLET CG-3 W/ FLEXSTORM, FLOGARD+ OR APPROVED EQUAL FILTER, TFC AND INVERT ELEVATIONS PER PROFILE, EXTEND EXISTING PIPE AND CONNECT TO NEW INLET
- 6. INSTALL STS CATCH BASIN G-2 W/ FLEXSTORM, FLOGARD+ OR APPROVED EQUAL FILTER, GRATE AND INVERT ELEVATIONS PER PROFILE
- 7. INSTALL 24"x12" STS TEE, 24" INVERT PER PROFILE
- 8. EXISTING STS PIPE TO REMAIN
- 9. PROTECT EXISTING INLET IN PLACE AND INSTALL FLEXSTORM, FLOGARD+ OR APPROVED EQUAL FILTER
- 10. CONNECT EXISTING 48" STS PIPE TO NEW 72" STS MANHOLE
- 11. RECONSTRUCT ADA RAMP PER DETAIL (SHEET SD.1)
- 12. ABANDON EXISTING STS PIPE IN PLACE, CAP OR PLUG AT MANHOLE OR CATCH BASIN. FILL PIPES GREATER THAN 12" WITH SAND, CLSM, OR APPROVED MATERIAL, LENGTH AND DIAMETER PER PLAN.
- 13. ABANDON MANHOLE IN PLACE. REMOVE A MINIMUM OF THE TOP 3' OF MANHOLE AND FILL REMAINING BASE PER STANDARD SPECIFICATIONS.
- 14. CONNECT TO EXISTING STS PIPE
- 15. INSTALL BIKE LANE STENCIL AS SHOWN, "BS" (SEE STD DWG TM503)
- 16. INSTALL 8" WHITE LINE, "W-2" FOR BIKE LANE LINE AS SHOWN, NEW LINE SHALL MATCH INTO EXISTING BIKE LANE AS NEEDED. (SEE STD DWG TM500)
- 17.



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OAR 952-001-0090



BORE HOLE TR7: 0'-2' ASPHALT; 2'-5' CLAY; 5'-10.5' SOFT BROWN ROCK-DIRT MIX; 10.5'-11' GREY ROCK
BORE HOLE TR8: 0'-2' ASPHALT; 2'-6' DIRT-CLAY MIX; 6'-11' SOFT BROWN ROCK
BORE HOLE TR9: 0'-2' ASPHALT; 2'-7' SOFT BROWN ROCK; 7'-14' HARD GREY ROCK
BORE HOLE TR10: 0'-2' ASPHALT; 2'-9' DIRT CLAY MIX; 9'-12' HARD GREY ROCK
BORE HOLE TR11: 0'-2' ASPHALT; 2'-9' SOFT BROWN DIRT MIX; 9'-11' HARD GREY ROCK
BORE HOLE TR12: 0'-2' ASPHALT; 2'-11' BLACK CLAY-SOFT BROWN DIRT MIX

Description

Dwg

Date

Rev.

CALKINS-TROOST-RAINBOW-HAGGERTY STORM

CALKINS AVE & TROOST ST
ROSEBURG, OR

TROOST ST ALIGNMENT - NORTH

PROJECT NO. 0149-220

DRW: CPM

CHK: EDR

HORIZ. 1"= 20'

VERT. 1"= 5'

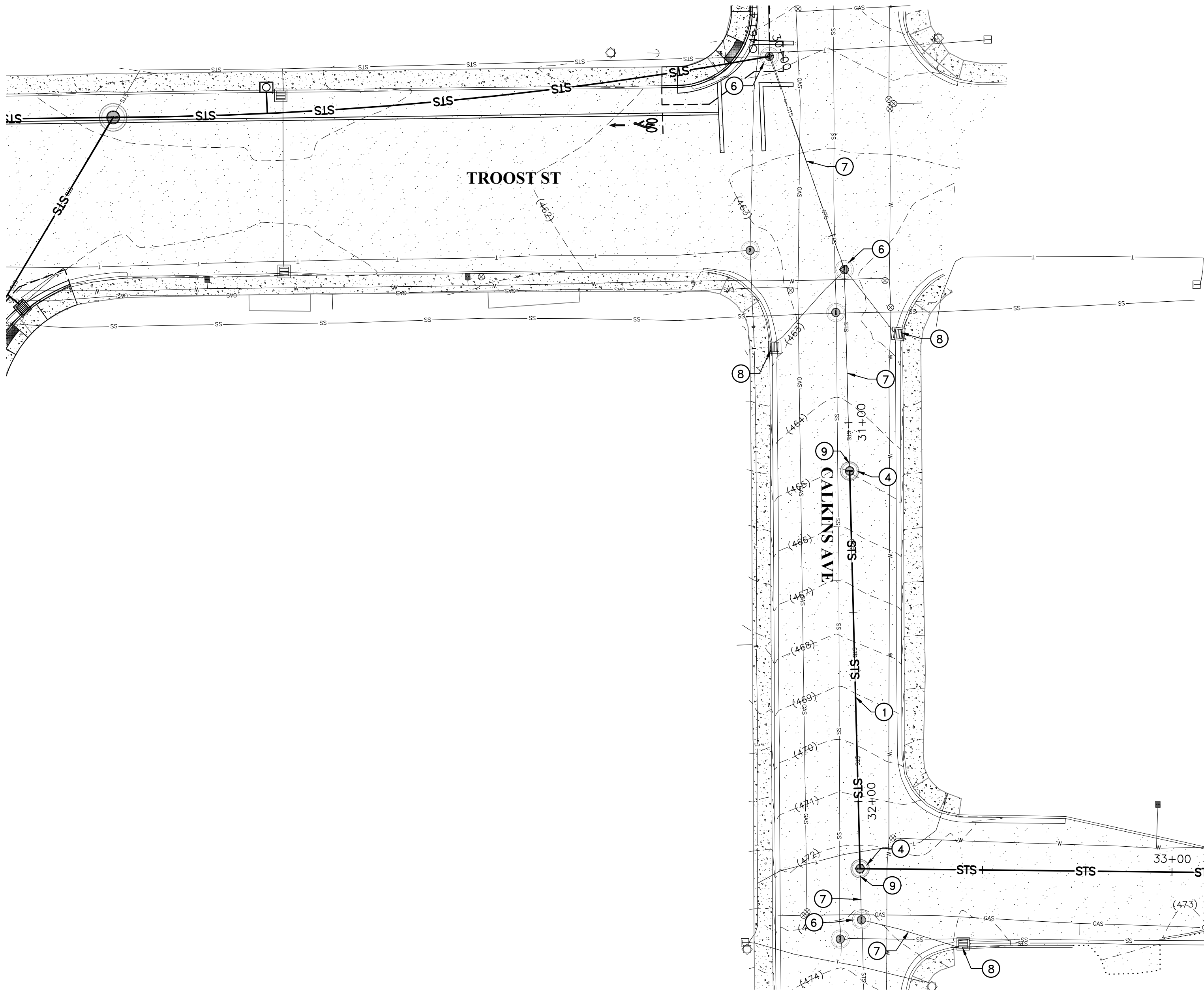
FEBRUARY 22, 2023

ISSUE FOR BID

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ColeR Feb. 22, 2023

C.5

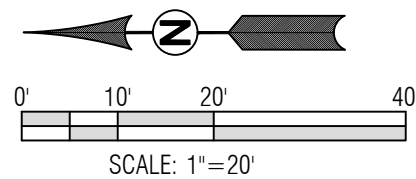


NW CALKINS AVE NORTHERN SECTION

KEYED DRAINAGE NOTES: (#)

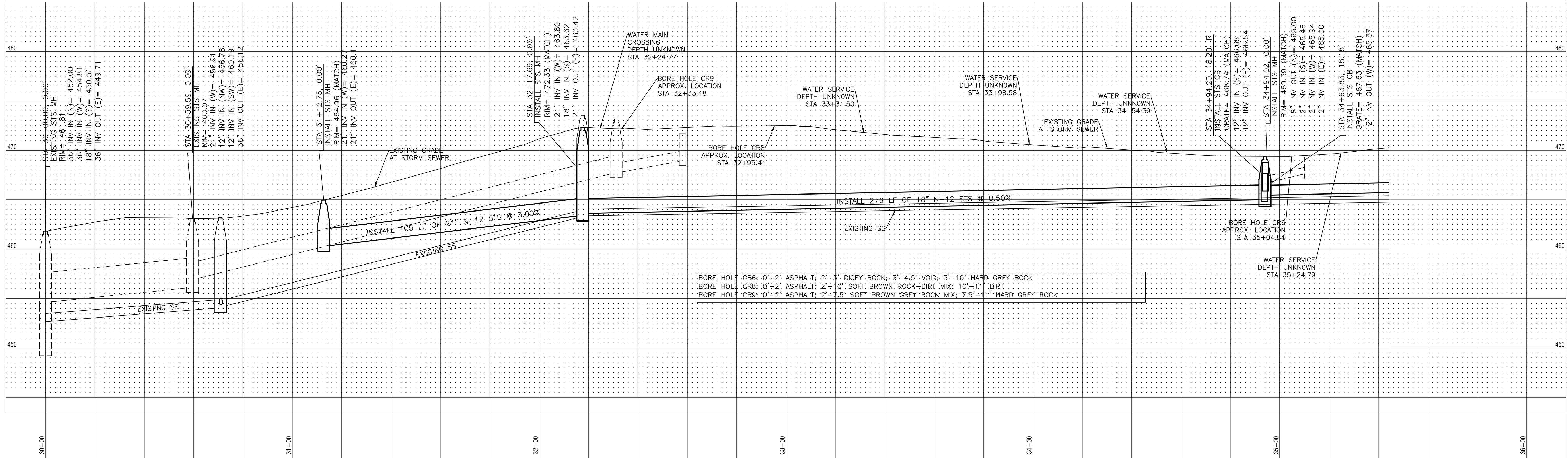
1. INSTALL 21" N-12 STS PIPE, LENGTH AND SLOPE PER PROFILE
2. INSTALL 18" N-12 STS PIPE, LENGTH AND SLOPE PER PROFILE
3. INSTALL 12" N-12 STS PIPE, LENGTH AND SLOPE PER PLAN
4. INSTALL 48" STS MANHOLE, SEE RIM AND INVERT ELEVATIONS IN PROFILE VIEW
5. INSTALL STS CATCH BASIN G-2 W/ FLEXSTORM, FLOGARD+ OR APPROVED EQUAL FILTER, GRATE AND INVERT ELEVATIONS PER PROFILE
6. EXISTING STS MANHOLE TO REMAIN
7. EXISTING STS PIPE TO REMAIN
8. PROTECT EXISTING INLET IN PLACE AND INSTALL FLEXSTORM, FLOGARD+ OR APPROVED EQUAL FILTER
9. CONNECT EXISTING STS PIPE TO NEW MANHOLE, INVERT PER PROFILE
10. ABANDON EXISTING STS PIPE IN PLACE, CAP OR PLUG AT MANHOLE OR CATCH BASIN. FILL PIPES GREATER THAN 12" WITH SAND, CLSM, OR APPROVED MATERIAL, LENGTH AND DIAMETER PER PLAN.
11. INSTALL 48" STS SHALLOW MANHOLE, SEE RIM AND INVERT ELEVATIONS IN PROFILE VIEW (SEE STD DWG RD342)

10 216 LF
12"



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OAR 952-001-0090

MATCHLINE STA: 35+40
SEE SHEET C.7



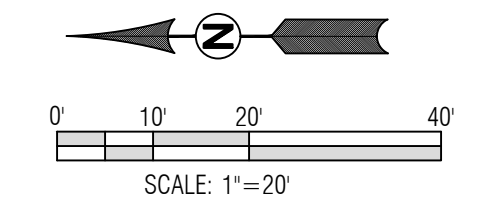
BORE HOLE CR6: 0'-2' ASPHALT; 2'-3' DICEY ROCK; 3'-4.5' VOID; 5'-10' HARD GREY ROCK
BORE HOLE CR8: 0'-2' ASPHALT; 2'-10' SOFT BROWN ROCK-DIRT MIX; 10'-11' DIRT
BORE HOLE CR9: 0'-2' ASPHALT; 2'-7.5' SOFT BROWN GREY ROCK MIX; 7.5'-11' HARD GREY ROCK

CALKINS-TROOST-RAINBOW-HAGGERTY STORM				
CALKINS AVE & TROOST ST ROSEBURG, OR				
CALKINS AVE ALIGNMENT - NORTH				
HORIZ 1"= 20' VERT 1"= 5'				
FEBRUARY 22, 2023				
DRW: CPM				
CHK: EDR				
PROJECT NO. 0149-220				
ISSUE FOR BID				

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surveying
architecture
planning



1. INSTALL 12" N-12 STS PIPE, LENGTH AND SLOPE PER PLAN/PROFILE
2. INSTALL 48" STS SHALLOW MANHOLE, SEE RIM AND INVERT ELEVATIONS IN PROFILE VIEW
3. ABANDON EXISTING STS PIPE IN PLACE, CAP OR PLUG AT MANHOLE OR CATCH BASIN. FILL PIPES GREATER THAN 12" WITH SAND, CLSM, OR APPROVED MATERIAL, LENGTH AND DIAMETER PER PLAN.
4. INSTALL STS CATCH BASIN TYPE D, GRATE AND INVERT ELEVATIONS PER PROFILE (RD370)



C.7		Calkins-Troost-Rainbow-Haggerty Storm	Rev.	Date	Dwg	Description
CALKINS AVE & TROOST ST ROSEBURG, OR CALKINS AVE ALIGNMENT - SOUTH HORIZ. 1"= 20' VERT. 1"= 5' PROJECT NO. 0149-220 DRAW: CPR FEBRUARY 22, 2023 ISSUE FOR BID CHK: EDR						

C.7

ie civil
structural
surveying
architecture
planning

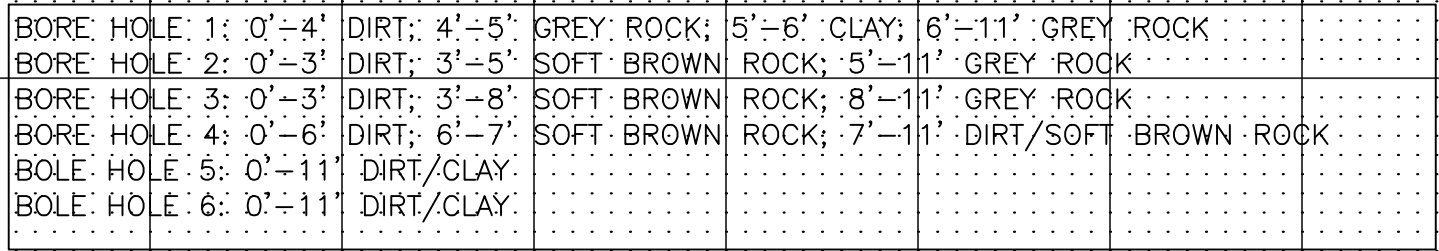
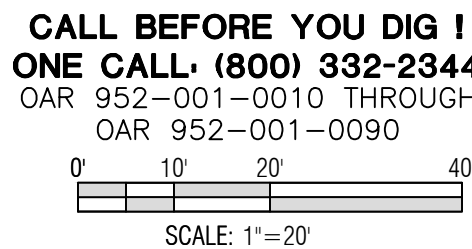
REGISTERED PROFESSIONAL
ENGINEER
72679PE

OREGON
NOVEMBER 13, 2007

ERIK D. RANGER

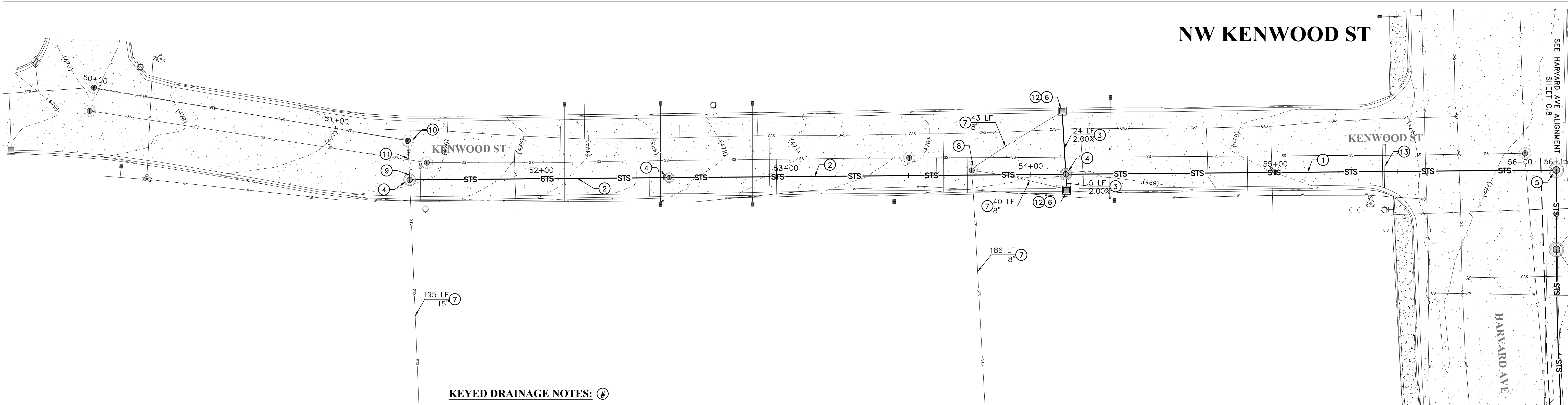
EXPIRES: 12/31/2024

11. END HORIZONTAL DEFLECTION OF STS PIPE
12. PROTECT EXISTING STS INLET IN PLACE AND INSTALL FLEXSTORM, FLOGARD+, OR APPROVED EQUAL FILTER
13. INSTALL 4" WHITE BROKEN LINE, "WB".
(FOR DETAILS, SEE OR DWG TM500)



CALKINS-TROOST-RAINBOW-HAGGERTY STORM				Rev.	Date	Dwg	Description
C.8	HARVARD AVE ROSEBURG, OR						
	HARVARD AVE ALIGNMENT						
	HORIZ. 1"=20' VERT. 1"=5'						
	PROJECT NO. 0149-220						
	FEBRUARY 22, 2023						
ISSUE FOR BID							
CHK: EDR							

C.8

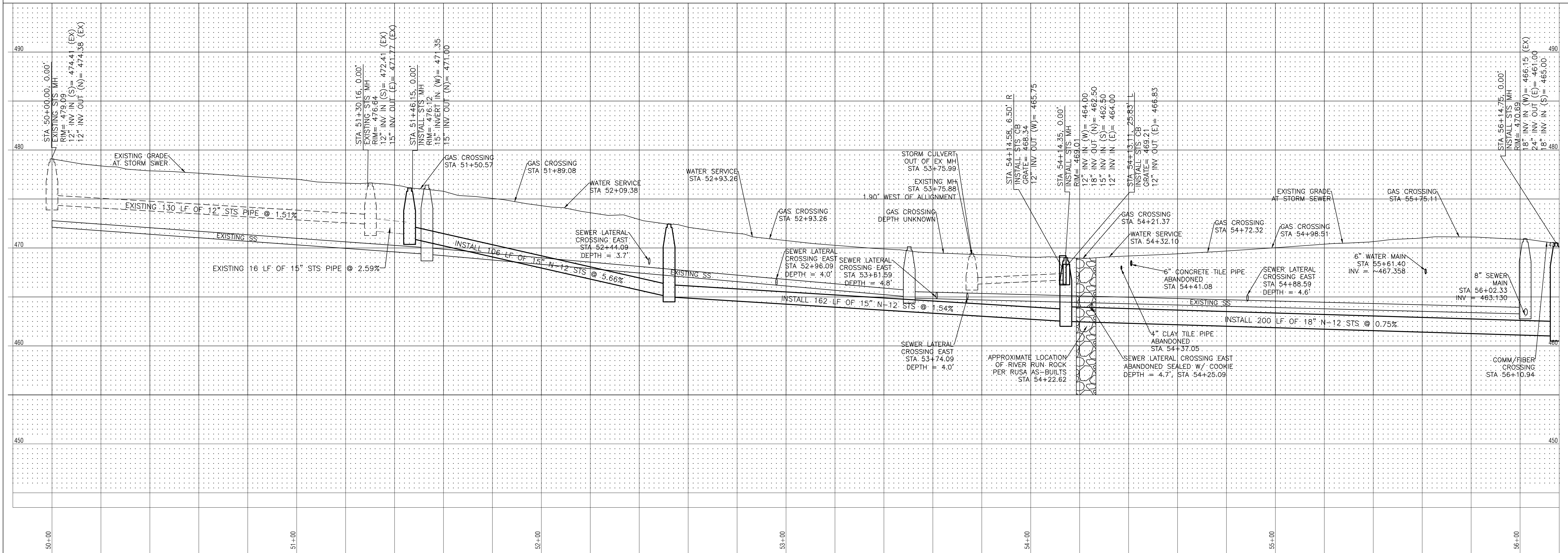


KEYED DRAINAGE NOTES: ⑦

1. INSTALL 18" N-12 STS PIPE, LENGTH AND SLOPE PER PROFILE
2. INSTALL 15" N-12 STS PIPE, LENGTH AND SLOPE PER PROFILE
3. INSTALL 12" N-12 STS PIPE, LENGTH AND SLOPE PER PROFILE
4. INSTALL 48" STS MANHOLE, RIM AND INVERT ELEVATIONS PER PROFILE
5. INSTALL 60" STS MANHOLE, SEE HARVARD SHEET (C.8) FOR MORE INFORMATION
6. INSTALL STS CATCH BASIN G-2 W/ FLEXSTORM, FLOGARD+ OR APPROVED EQUAL FILTER, GRATE AND INVERT ELEVATIONS PER PROFILE
7. ABANDON EXISTING STS PIPE IN PLACE, CAP OR PLUG AT MANHOLE OR CATCH BASIN. FILL PIPES WITH SAND, CLSM, OR APPROVED MATERIAL, LENGTH AND DIAMETER PER PLAN.
8. REMOVE EXISTING MANHOLE
9. CONNECT EXISTING 12" STS PIPE TO NEW 48" STS MANHOLE
10. EXISTING STS MANHOLE TO REMAIN
11. EXISTING STS PIPE TO REMAIN
12. INSTALL "DRAINS TO RIVER" STENCIL AT ALL CATCH BASINS/CURB INLETS LOCATED WITHIN PAVEMENT AREAS PER DETAIL
13. INSTALL STOP BAR AS SHOWN

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ONE CALL: (800) 332-2344
OAR 952-001-0010 THROUGH
OAR 952-001-0090

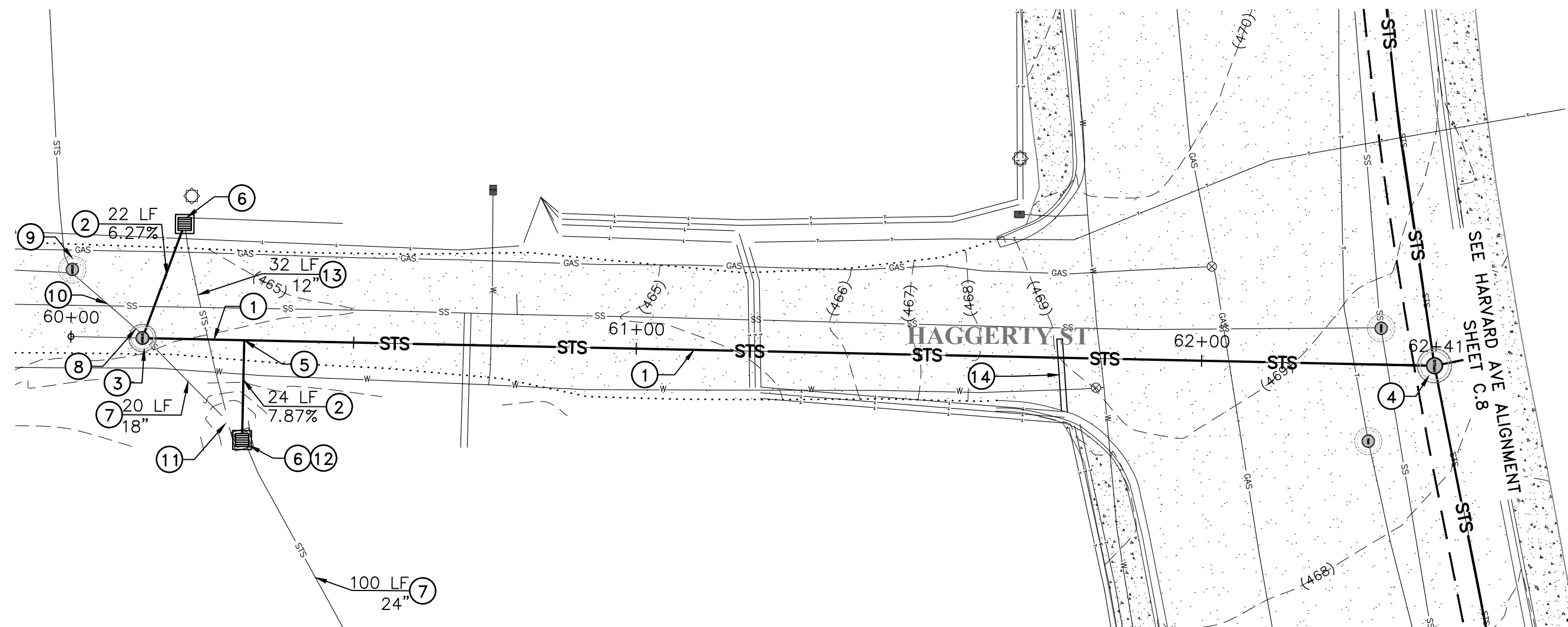
SCALE: 1"=20'



CALKINS-TROOST-RAINBOW-HAGGERTY-STORM				Rev.	Date	Dwg	Description
HARVARD AVE ROSEBURG, OR							
KENWOOD ST ALIGNMENT							
HORIZ. 1"=20' VERT. 1"=5'							
FEBRUARY 22, 2023							
ISSUE FOR BID							
Z:_085\0149-City of Roseburg\149-220 Collins-Troost-Harvard Storm\DESIGN\0149-220_C_Harvard.dwg							
Cdr							
Feb 22, 2023							

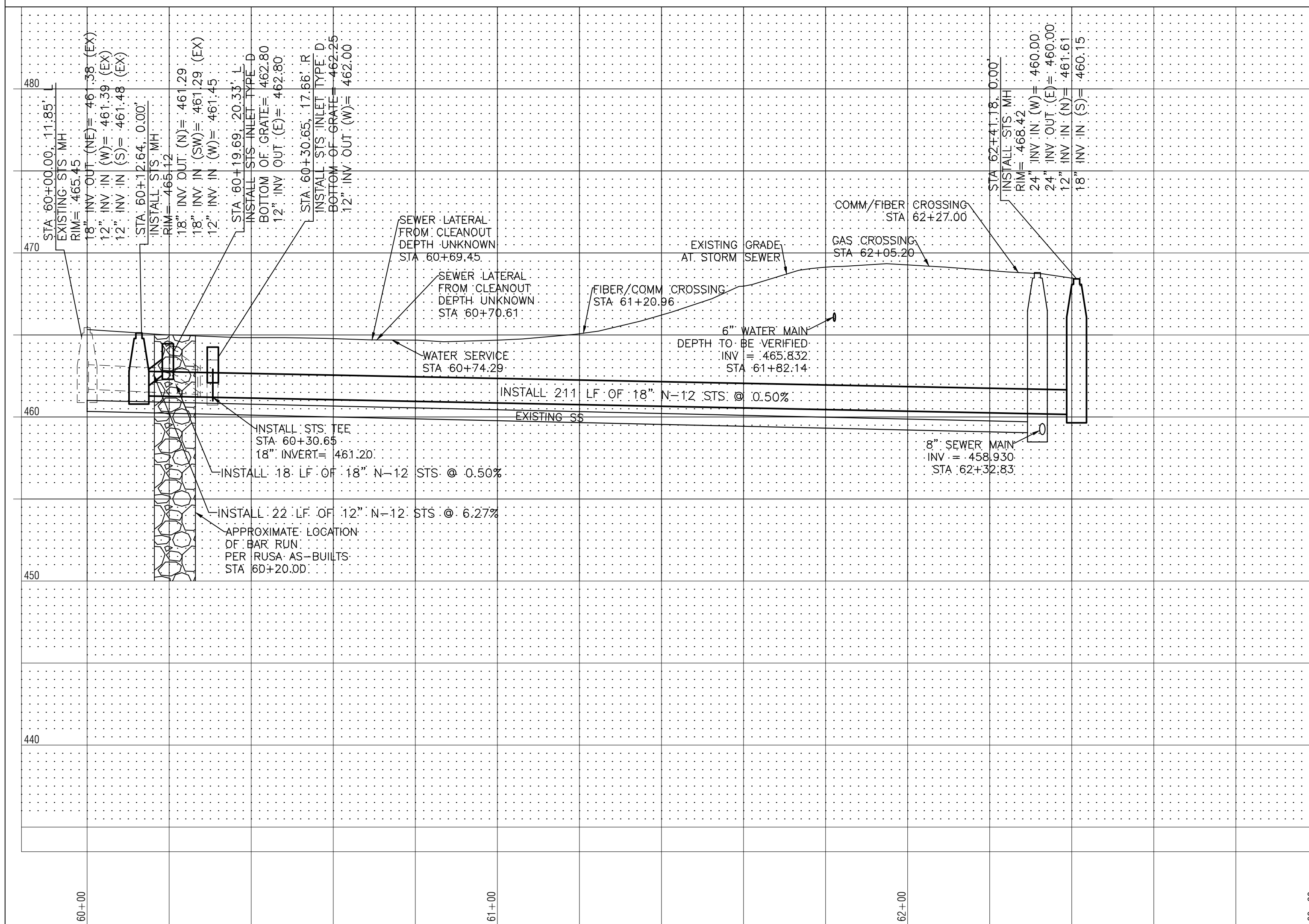
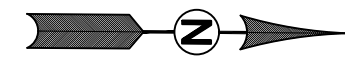
C.9

NW HAGGERTY ST

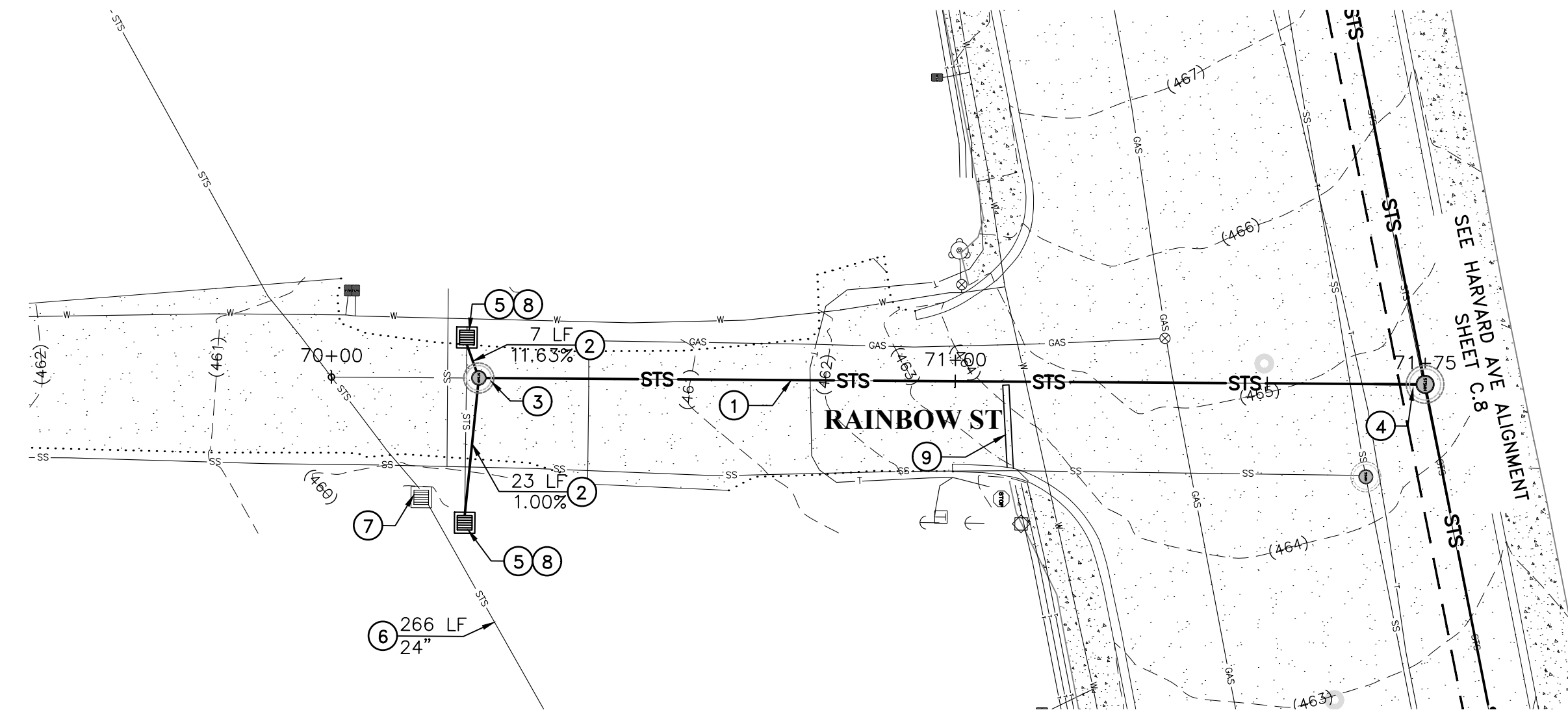


KEYED DRAINAGE NOTES:

1. INSTALL 18" N-12 STS PIPE, LENGTH AND SLOPE PER PROFILE
2. INSTALL 12" N-12 STS PIPE, LENGTH AND SLOPE PER PLAN
3. INSTALL 48" STS SHALLOW MANHOLE OVER EXISTING STS PIPE, SEE RIM AND INVERT ELEVATIONS IN PROFILE VIEW
4. INSTALL 60" STS MANHOLE, SEE HARVARD (SHEET C.8) FOR MORE INFORMATION
5. INSTALL 12"x18" TEE, INVERT PER PROFILE
6. INSTALL STS CATCH BASIN TYPE D, GRATE AND INVERT ELEVATIONS PER PROFILE
7. ABANDON EXISTING STS PIPE IN PLACE, CAP OR PLUG AT MANHOLE OR CATCH BASIN. FILL PIPES GREATER THAN 12" WITH SAND, CLSM, OR APPROVED MATERIAL, LENGTH AND DIAMETER PER PLAN.
8. CONNECT EXISTING 18" STS PIPE TO NEW 48" STS MANHOLE, INVERT PER PROFILE
9. EXISTING STS MANHOLE TO REMAIN
10. EXISTING STS PIPE TO REMAIN
11. GRADE DITCH AND SLOPE TO MATCH INLET ELEVATIONS
12. REMOVE EXISTING STS STRUCTURE
13. REMOVE EXISTING STS PIPE, LENGTH AND DIAMETER PER PLAN
14. INSTALL STOP BAR AS SHOWN

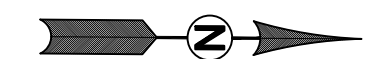


NW RAINBOW ST

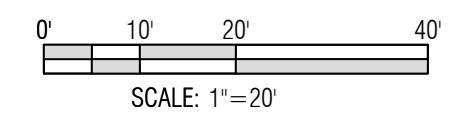


KEYED DRAINAGE NOTES: #

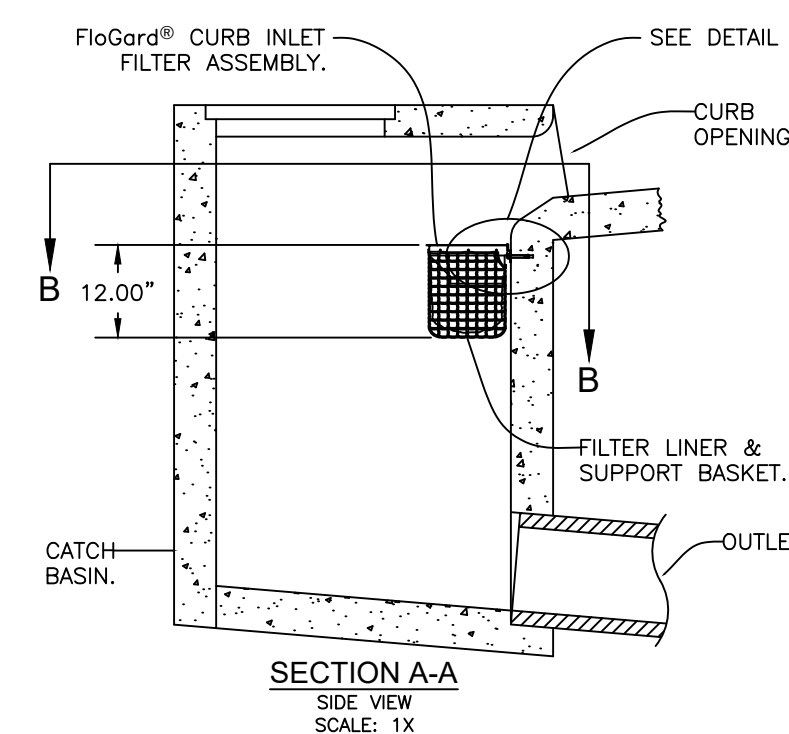
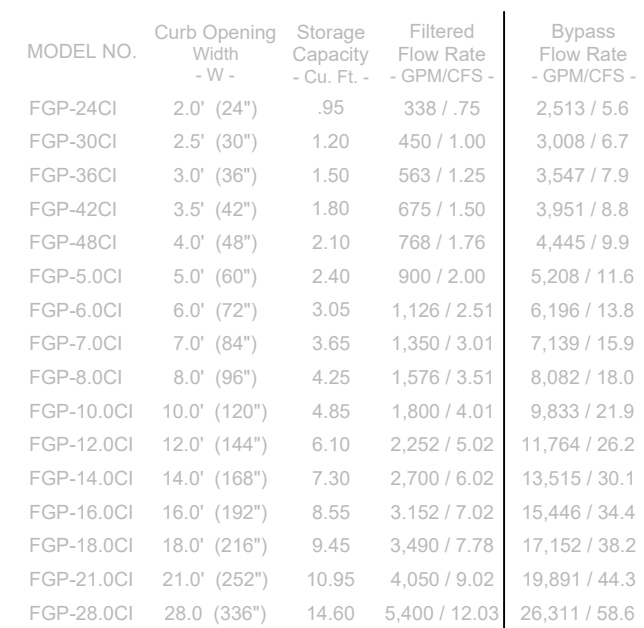
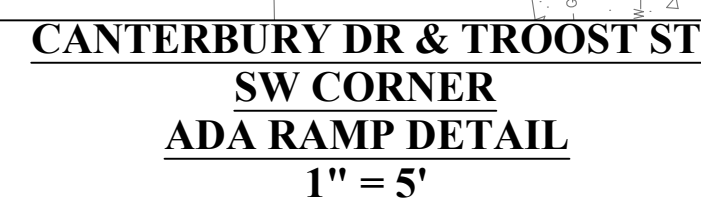
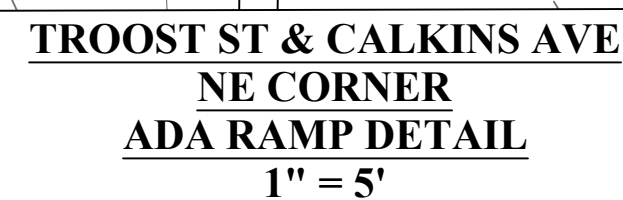
1. INSTALL 15" N-12 STS PIPE, LENGTH AND SLOPE PER PROFILE
2. INSTALL 12" N-12 STS PIPE, LENGTH AND SLOPE PER PLAN
3. INSTALL 48" STS SHALLOW MANHOLE, SEE RIM AND INVERT ELEVATIONS IN PROFILE VIEW
4. INSTALL 60" STS MANHOLE, SEE HARVARD AVE (SHEET C.8) FOR MORE INFORMATION
5. INSTALL STS CATCH BASIN G-2 W/ FLEXSTORM, FLOGRAD+ OR APPROVED EQUAL FILTER, SEE GRATE AND INVERT ELEVATIONS IN PROFILE
6. ABANDON EXISTING STS PIPE IN PLACE, CAP OR PLUG AT MANHOLE OR CATCH BASIN. FILL PIPES GREATER THAN 12" WITH SAND, CLSM, OR APPROVED MATERIAL, LENGTH AND DIAMETER PER PLAN.
7. REMOVE EXISTING STS INLET
8. INSTALL "DRAINS TO RIVER" STENCIL AT ALL CATCH BASINS/CURB INLETS LOCATED WITHIN PAVEMENT AREAS PER DETAIL
9. INSTALL STOP BAR AS SHOWN



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ONE CALL, (800) 332-2344
 OAR 952-001-0010 THROUGH
 OAR 952-001-0090

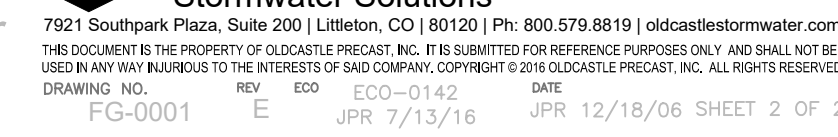


C.10				CALKINS-TROOST-RAINBOW-HAGGERTY STORM			
		Rev.	Date	Dwg	Description		
HARVARD AVE ROSEBURG, OR							
HAGGERTY ST & RAINBOW ST ALIGNMENTS							
PROJECT NO. 0140-220							
HORIZ. 1"=20' VERT. 1"=5'							
FEBRUARY 22, 2023							
CHK: EDR							
ISSUE FOR BID							



MODEL NO.	Curb Opening Width - "W"	Storage Capacity - Cu. Ft. - GPM/CS*	Filtered Flow Rate - GPM/CS*	Bypass Flow Rate - GPM/CS*
FGP-24CI	2.0' (24")	2.0	450 / 1.0	2,513 / 0.18
FGP-30CI	2.5' (30")	2.5	450 / 1.0	2,513 / 0.18
FGP-36CI	3.0' (36")	3.0	593 / 1.25	3,547 / 0.79
FGP-42CI	3.5' (42")	3.5	675 / 1.50	3,961 / 0.88
FGP-48CI	4.0' (48")	4.0	768 / 1.50	4,445 / 0.99
FGP-54CI	4.5' (54")	2.40	900 / 2.00	5,208 / 1.16
FGP-60CI	6.0' (72")	3.00	1,126 / 2.51	6,196 / 1.38
FGP-70CI	7.0' (84")	3.65	1,350 / 3.01	7,139 / 1.59
FGP-80CI	8.0' (96")	4.25	1,576 / 3.51	8,082 / 1.80
FGP-100CI	10.0' (120")	4.85	1,800 / 4.01	9,833 / 2.19
FGP-120CI	12.0' (144")	6.0	2,252 / 5.02	11,764 / 2.62
FGP-140CI	14.0' (168")	7.30	2,700 / 6.02	15,155 / 3.01
FGP-160CI	16.0' (192")	8.55	3,122 / 7.02	18,440 / 3.44
FGP-180CI	18.0' (216")	9.85	3,450 / 7.78	21,152 / 3.82
FGP-210CI	21.0' (252")	10.95	4,050 / 9.02	26,991 / 4.83
FGP-280CI	28.0' (336")	14.60	5,400 / 12.03	38,131 / 5.86

- NOTES:
1. Filter insert shall have a high flow bypass feature.
 2. Filter support frame shall be constructed from stainless steel Type 304.
 3. Filter medium shall be *Fossil Rock™* installed and maintained in accordance with manufacturer specifications.
 4. Storage capacity reflects 80% of maximum solids collection prior to impeding filtering bypass.



CALL BEFORE YOU DIG !
ONE CALL® (800) 332-2344
 OAR 952-001-0010 THROUGH
 OAR 952-001-0090

[illegible]

PROJECT NO. 0149-220
 DRAW: CPR
 FEBRUARY 22, 2023
 JOSEPHINE COUNTY, OREGON
 JOSEBURG, OR
 RAINBOW TRAILWAY STATION

SD.1