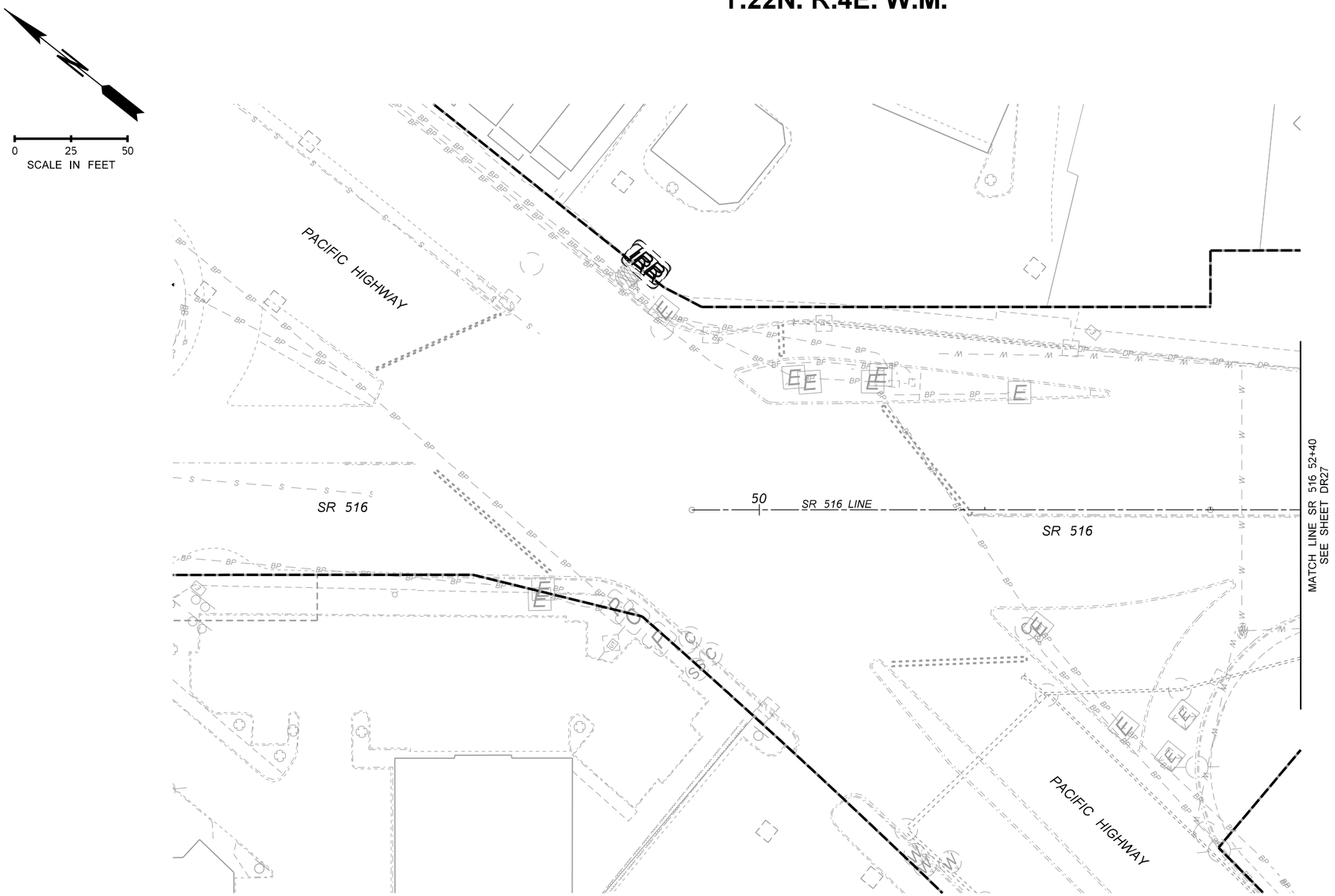
T.22N. R.4E. W.M.

NOTES:

1. EXISTING PIPES WITHIN CITY OF SEATAC ROW SHALL BE REMOVED. ABANDONMENT IS PROHIBITED.



DRAINAGE LEGEND:

- RIGHT-OF-WAY (R.O.W.) AND LIMITED ACCESS
- EXISTING CITY R.O.W. / EASEMENT
- PROPOSED CITY R.O.W. / EASEMENT
- PROPERTY LINE
- WB — WETLAND BOUNDARY
- IAL — IMPACT AREA LINE
- 100 — CONSTRUCTION ALIGNMENT
- CATCH BASIN/ CONCRETE INLET
- GRATE INLET TYPE 2
- MANHOLE
- DROP INLET
- EXISTING DITCH
- PROPOSED DRAINAGE DITCH
- ST — ST — EXISTING STORM DRAIN
- ST — ST — PROPOSED STORM DRAIN
- EXISTING CULVERT
- PROPOSED CULVERT
- UD — UD — PROPOSED UNDERDRAIN
- EXISTING STORM TO BE REMOVED/ABANDONED
- ROCK INLET/OUTFALL PROTECTION
- PROPOSED BIOFILTRATION SWALE
- MFD — PROPOSED MEDIA FILTER DRAIN
- BR — BR — PROPOSED BIORETENTION
- ROCK UNDERDRAIN/ SPLASH PAD
- ROCK CHECK DAM

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DATE	12/16/2021						
PLOTTED BY	GlennR				JOB NUMBER		
DESIGNED BY	T. STANLEY						
ENTERED BY	N. KLYZHKO						
CHECKED BY	S. MESIC	REV B - FINAL REVIEW	12/03/21		CONTRACT NO. C9424		LOCATION NO.
PROJ. ENGR.	A. CHEPEL	REV A - PRELIMINARY REVIEW	7/23/21				
REGIONAL ADM.	J. WHITE	REVISION	DATE	BY			

PRELIMINARY
NOT FOR CONSTRUCTION

Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO DR26

SHEET OF SHEETS

T.22N. R.4E. W.M.

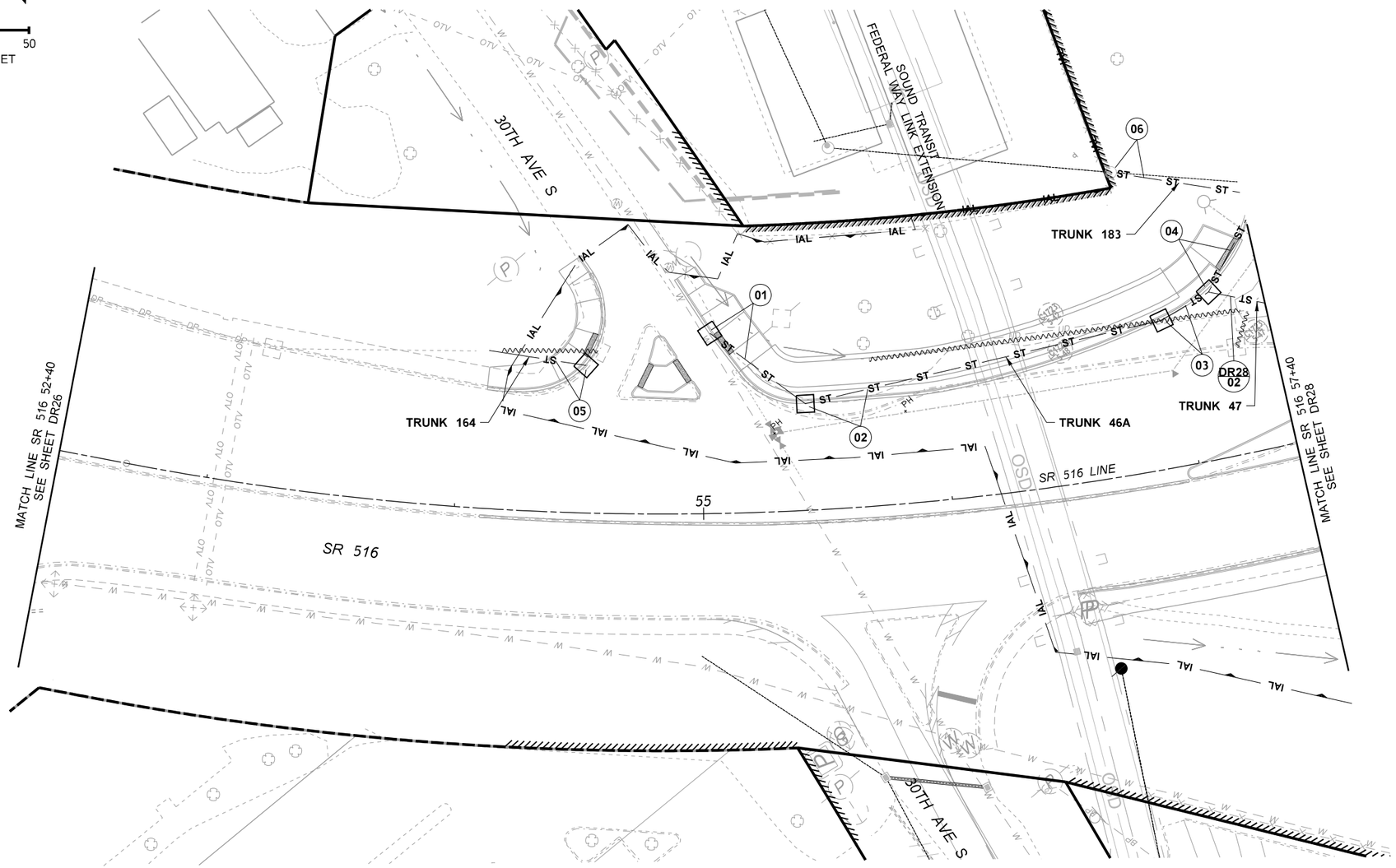
DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE SHEET(S)
TRUNK 46A	DP23
TRUNK 164	DP29
TRUNK 183	DP36
TRUNK 47	DP25

NOTES:

1. EXISTING PIPES WITHIN CITY OF SEATAC ROW SHALL BE REMOVED. ABANDONMENT IS PROHIBITED.

0 25 50
SCALE IN FEET



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- ROCK CHECK DAM

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TIME	5:35:03 PM			
DATE	12/16/2021			
PLOTTED BY	GlennR			
DESIGNED BY	T. STANLEY			
ENTERED BY	N. KLYZHKO			
CHECKED BY	S. MESIC	REV B - FINAL REVIEW	12/03/21	
PROJ. ENGR.	A. CHEPEL	REV A - PRELIMINARY REVIEW	7/23/21	
REGIONAL ADM.	J. WHITE	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9424		

PRELIMINARY
NOT FOR CONSTRUCTION

Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

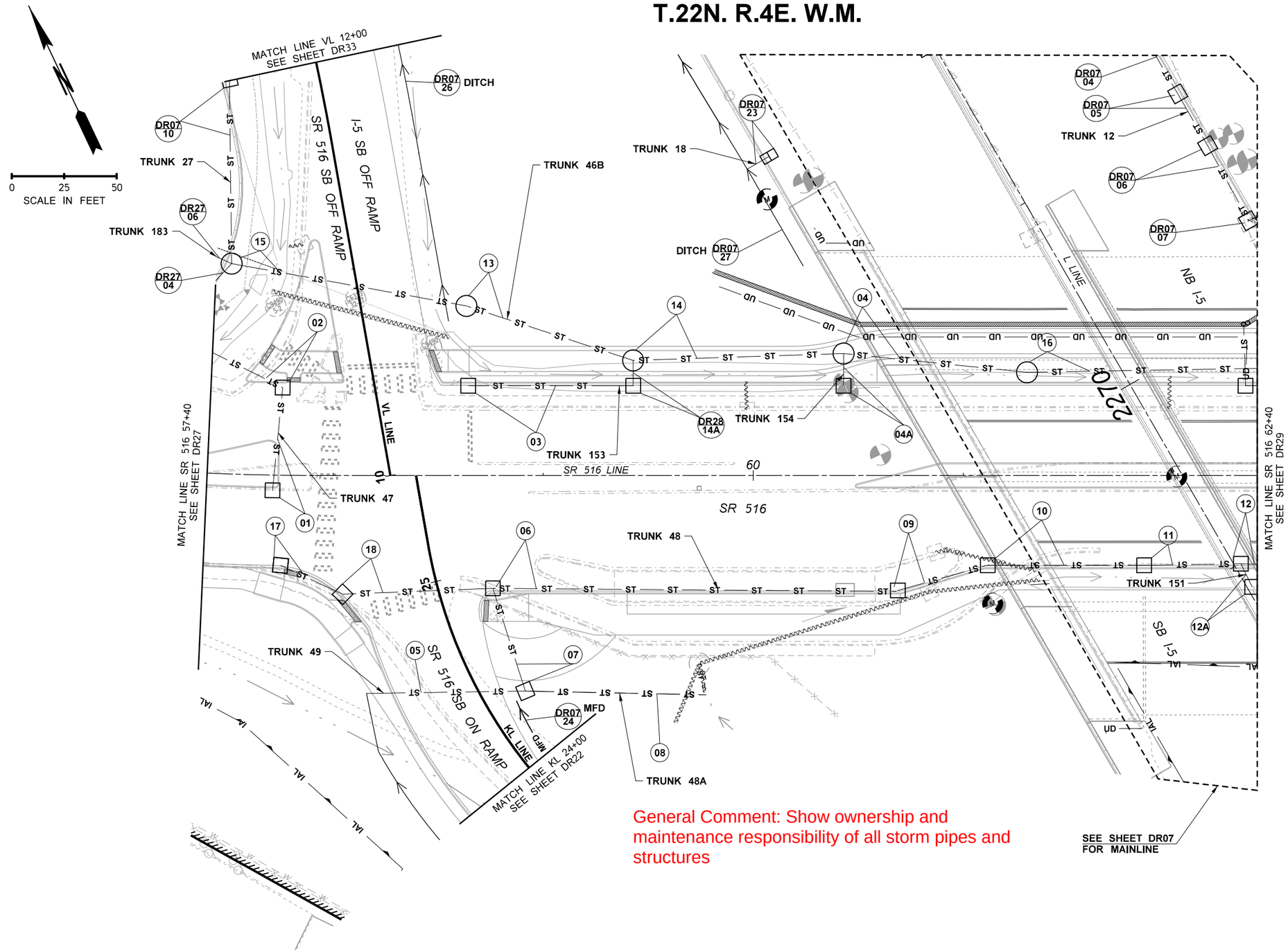
SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO
DR27

SHEET
OF
SHEETS

T.22N. R.4E. W.M.



General Comment: Show ownership and maintenance responsibility of all storm pipes and structures

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE SHEET(S)
TRUNK 12	DP08
TRUNK 18	DP11
TRUNK 27	DP15
TRUNK 46B	DP23
TRUNK 47	DP25
TRUNK 48A	DP35
TRUNK 49	DP34
TRUNK 151	DP34
TRUNK 153	DP34
TRUNK 154	DP36
TRUNK 183	DP36

NOTES:

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DRAINAGE LEGEND:

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- MFD — PROPOSED MEDIA FILTER DRAIN
- BR — BR — PROPOSED BIORETENTION
- ROCK UNDERDRAIN/ SPLASH PAD
- ROCK CHECK DAM

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TIME	5:35:13 PM
DATE	12/16/2021
PLOTTED BY	GlennR
DESIGNED BY	T. STANLEY
ENTERED BY	N. KLYZHKO
CHECKED BY	S. MESIC
PROJ. ENGR.	A. CHEPEL
REGIONAL ADM.	J. WHITE

REVISION	DATE	BY
REV B - FINAL REVIEW	12/03/21	
REV A - PRELIMINARY REVIEW	7/23/21	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9424		

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Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO DR28

SHEET OF SHEETS

T.22N. R.4E. W.M.

NOTES:

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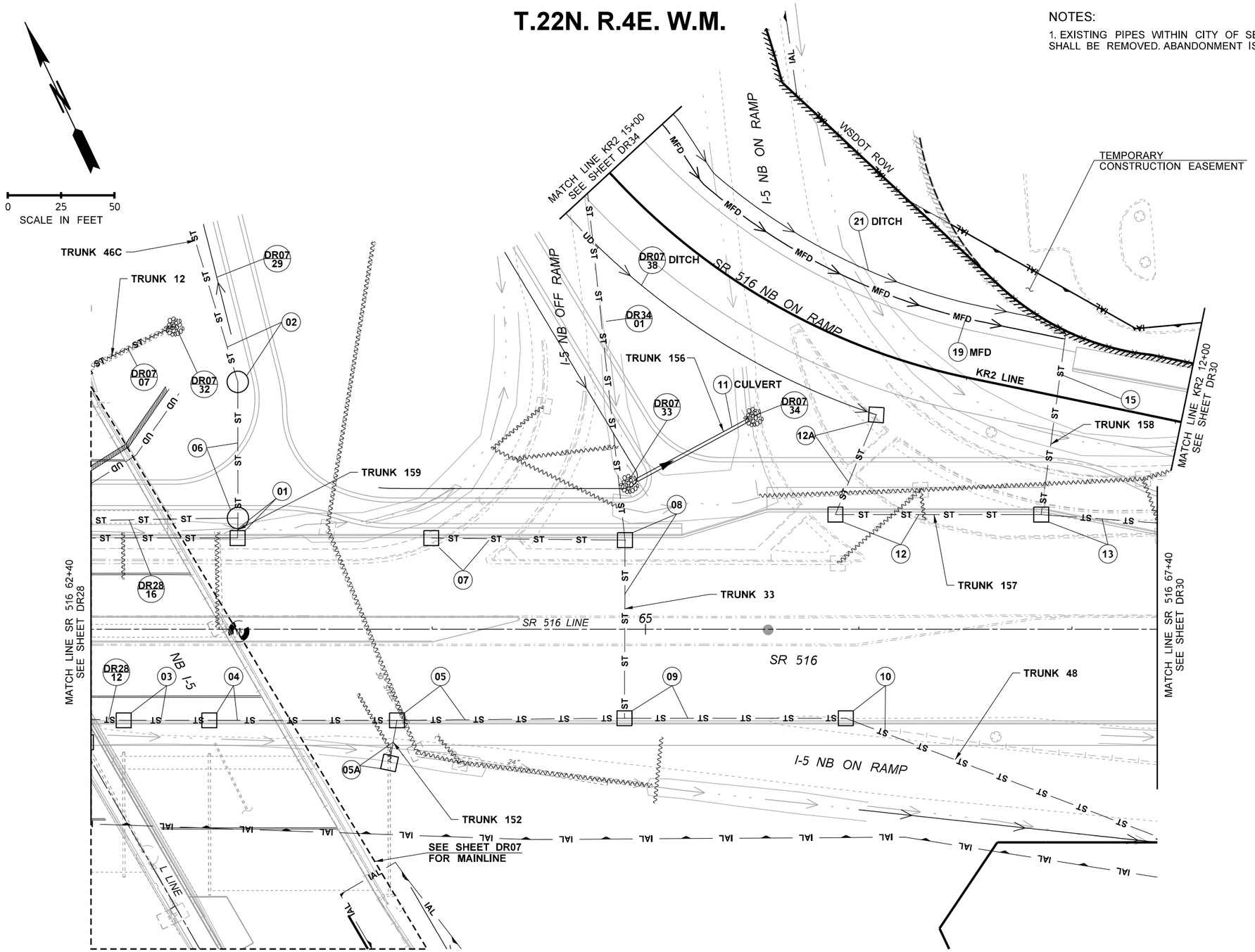
DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE SHEET(S)
TRUNK 12	DP08
TRUNK 33	DP26
TRUNK 46C	DP25
TRUNK 48	DP24
TRUNK 152	DP34
TRUNK 156	DP26
TRUNK 157	DP27
TRUNK 158	DP27
TRUNK 159	DP36



DRAINAGE LEGEND:

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- ROCK CHECK DAM

FILE NAME	c:\pwworking\jacobs_b&i\pw-rlmandgr\d0321956\C9424_PS_DR29.dgn				
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DATE	12/16/2021				
PLOTTED BY	GlennR				
DESIGNED BY	T. STANLEY				
ENTERED BY	N. KLYZHKO				
CHECKED BY	S. MESIC	REV B - FINAL REVIEW	12/03/21		
PROJ. ENGR.	A. CHEPEL	REV A - PRELIMINARY REVIEW	7/23/21		
REGIONAL ADM.	J. WHITE	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9424		

PRELIMINARY
NOT FOR CONSTRUCTION

Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO DR29

SHEET OF SHEETS

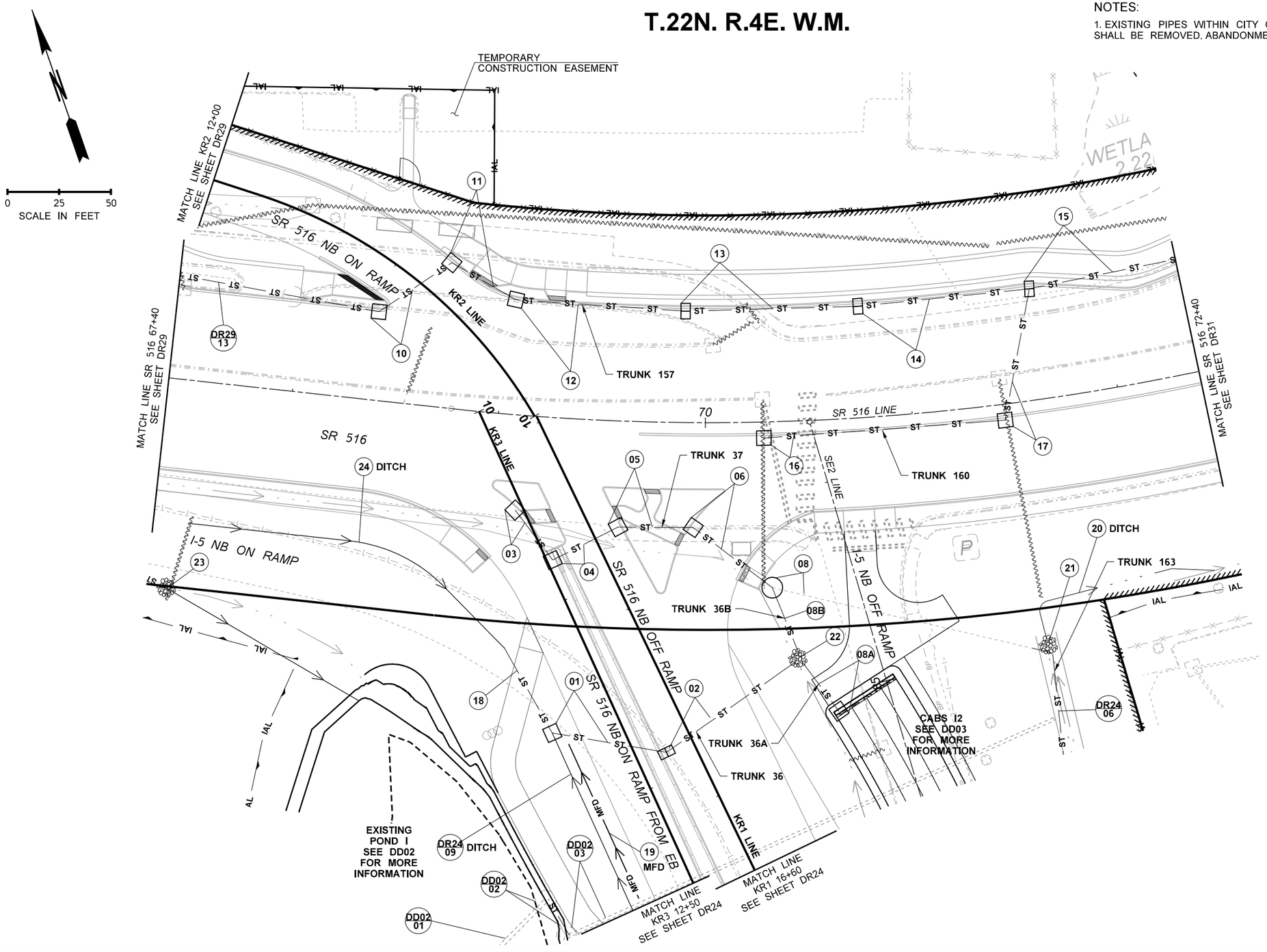
T.22N. R.4E. W.M.

NOTES:

1. EXISTING PIPES WITHIN CITY OF SEATAC ROW SHALL BE REMOVED. ABANDONMENT IS PROHIBITED.

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE SHEET(S)
TRUNK 36	DP18
TRUNK 36A	DP18
TRUNK 36B	DP18
TRUNK 37	DP16
TRUNK 157	DP27
TRUNK 160	DP28
TRUNK 163	DP29



DRAINAGE LEGEND:

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- ROCK UNDERDRAIN/ SPLASH PAD
- ROCK CHECK DAM

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TIME	5:35:33 PM			
DATE	12/16/2021			
PLOTTED BY	GlennR			
DESIGNED BY	T. STANLEY			
ENTERED BY	N. KLYZHKO			
CHECKED BY	S. MESIC	REV B - FINAL REVIEW	12/03/21	
PROJ. ENGR.	A. CHEPEL	REV A - PRELIMINARY REVIEW	7/23/21	
REGIONAL ADM.	J. WHITE	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9424		

PRELIMINARY
NOT FOR CONSTRUCTION

Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO
DR30

SHEET OF SHEETS

T.22N. R.4E. W.M.

Show existing ditch to north and how it connects. Show inlet protection if not existing

This existing pipe cannot be eliminated as it coveys runoff from City streets. If it is being eliminated, where is drainage being conveyed?

Where does this discharge to? Show as maintained by DOT

NOTES:

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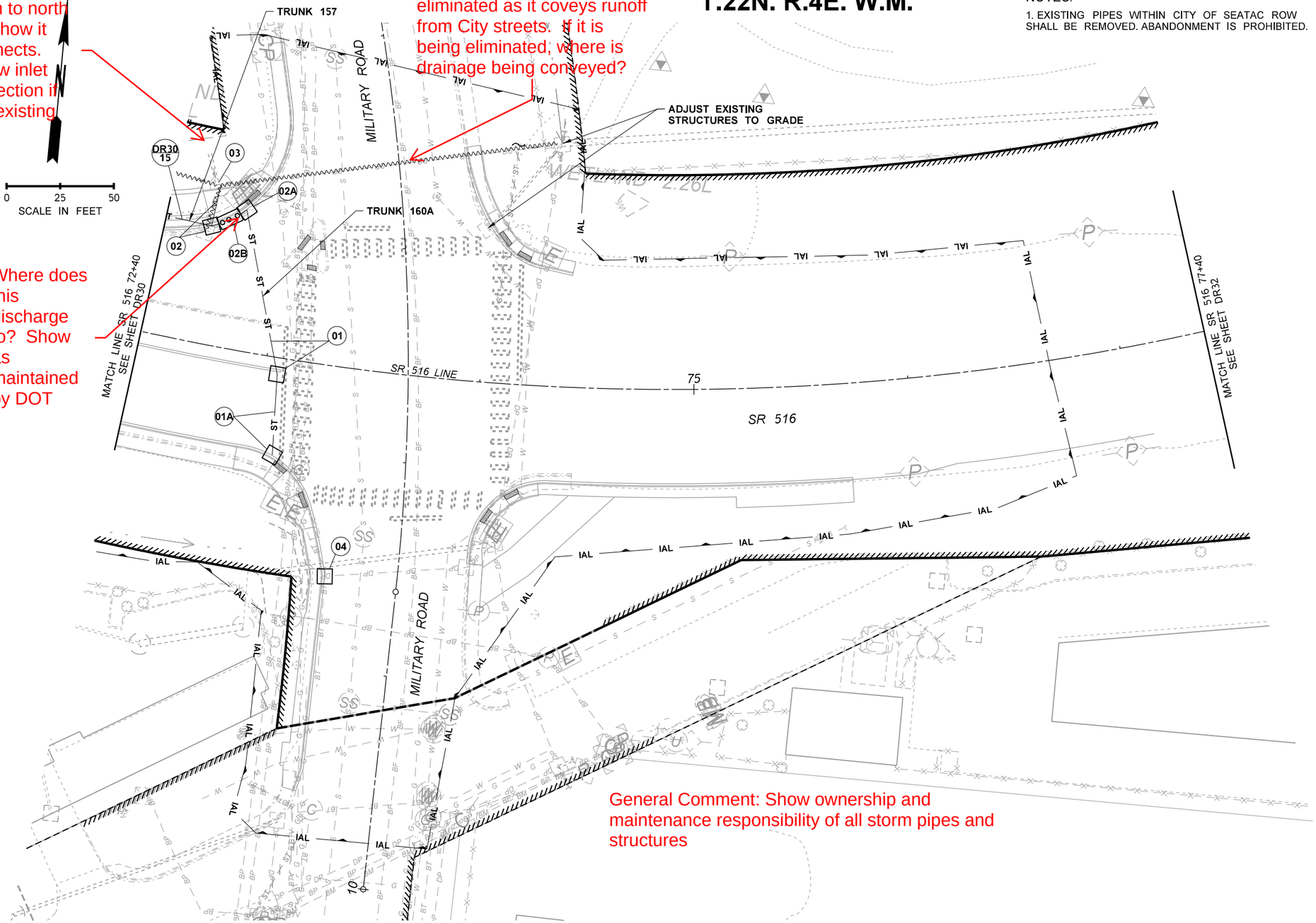

General Comment: Show ownership and maintenance responsibility of all storm pipes and structures

DRAINAGE LEGEND:

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- EXISTING CULVERT
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- ROCK CHECK DAM

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE SHEET(S)
TRUNK 157	DP27
TRUNK 160A	DP28

FILE NAME	c:\pwworking\jacobs_b&i\pw-rlmandgr\d0321956\C9424_PS_DR31.dgn						
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DATE	12/16/2021						
PLOTTED BY	GlennR				JOB NUMBER		
DESIGNED BY	T. STANLEY						
ENTERED BY	N. KLYZHKO						
CHECKED BY	S. MESIC	REV B - FINAL REVIEW	12/03/21		CONTRACT NO. C9424		LOCATION NO.
PROJ. ENGR.	A. CHEPEL	REV A - PRELIMINARY REVIEW	7/23/21				
REGIONAL ADM.	J. WHITE	REVISION	DATE	BY			

PRELIMINARY
NOT FOR CONSTRUCTION

Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO DR31

SHEET OF SHEETS

T.22N. R.4E. W.M.

NOTES:

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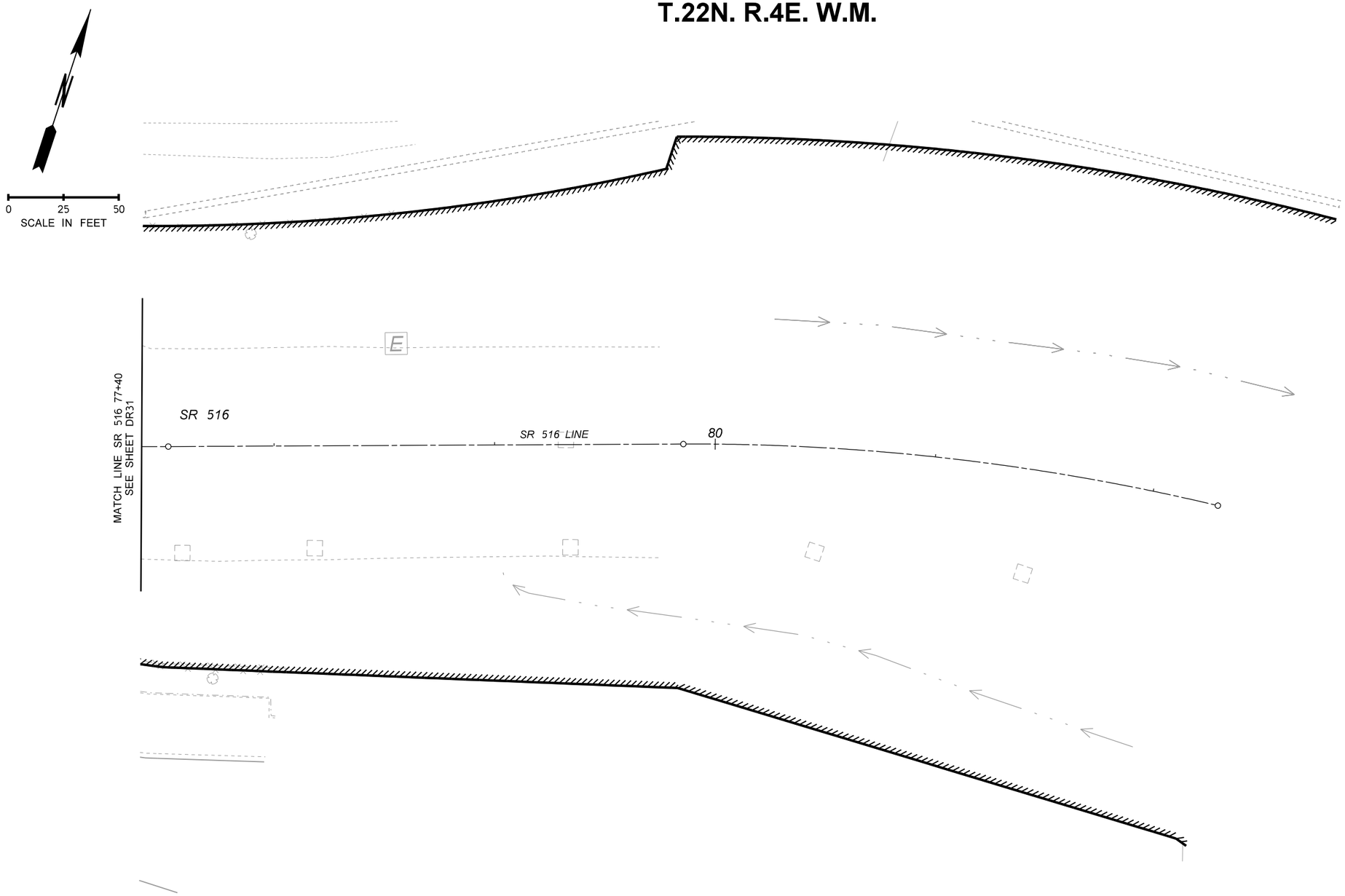

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FILE NAME	c:\pwworking\jacobs_b&i\pw-rlmandgr\d0321956\C9424_PS_DR32.dgn						
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DATE	12/16/2021						
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DESIGNED BY	T. STANLEY						
ENTERED BY	N. KLYZHKO						
CHECKED BY	S. MESIC	REV B - FINAL REVIEW	12/03/21		CONTRACT NO. C9424		LOCATION NO.
PROJ. ENGR.	A. CHEPEL	REV A - PRELIMINARY REVIEW	7/23/21				
REGIONAL ADM.	J. WHITE	REVISION	DATE	BY			

PRELIMINARY
NOT FOR CONSTRUCTION

Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO
DR32

SHEET OF SHEETS

T.22N. R.4E. W.M.

NOTES:

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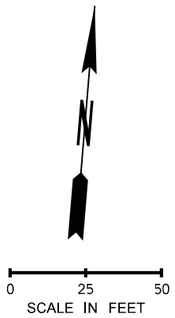
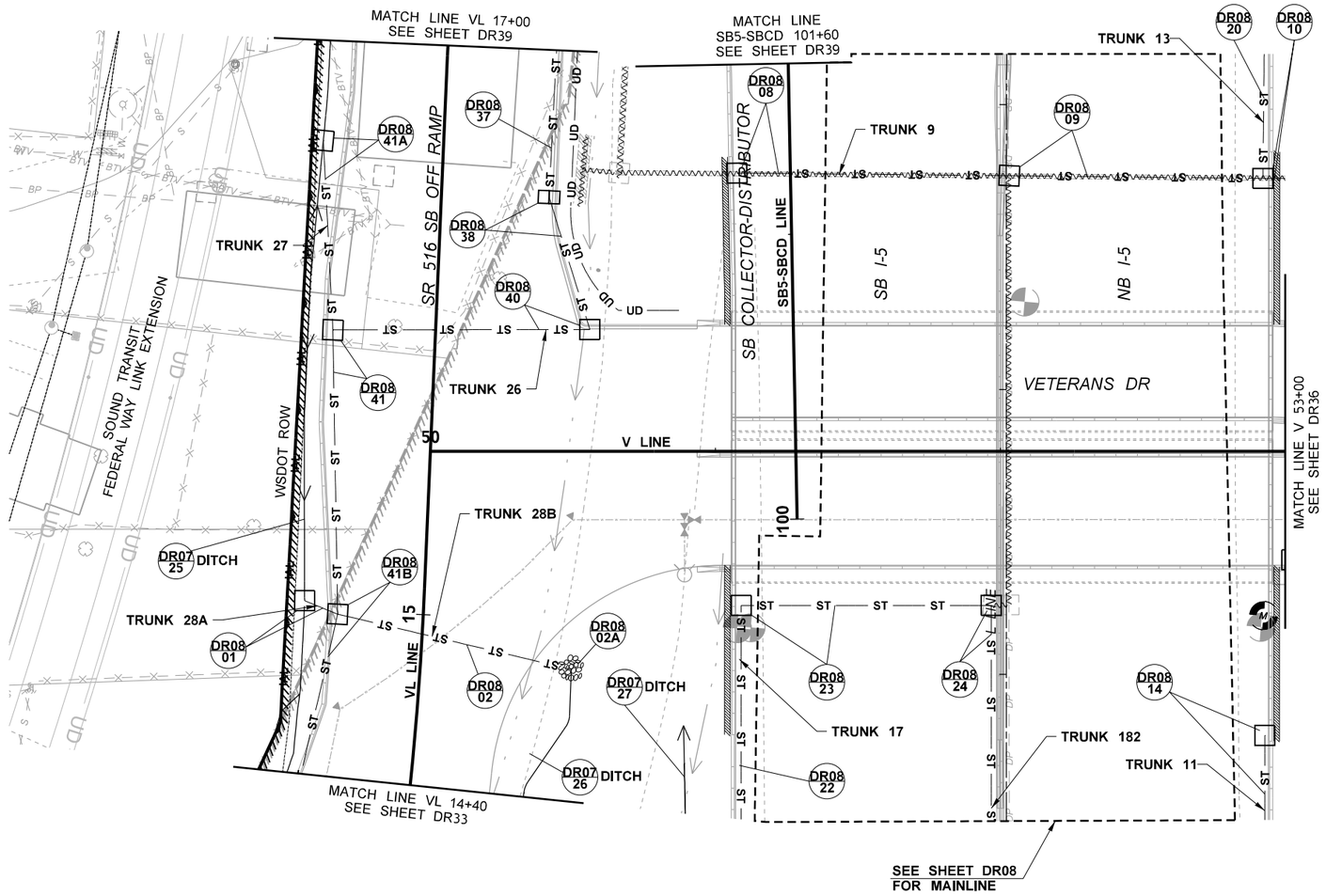
DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE SHEET(S)
TRUNK 9	DP07
TRUNK 11	DP07
TRUNK 13	DP08
TRUNK 17	DP10
TRUNK 26	DP15
TRUNK 27	DP15
TRUNK 28A	DP29
TRUNK 28B	DP29
TRUNK 182	DP12





DRAINAGE LEGEND:

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PLOTTED BY	GlennR			
DESIGNED BY	T. STANLEY			
ENTERED BY	N. KLYZHKO			
CHECKED BY	S. MESIC	REV B - FINAL REVIEW	12/03/21	
PROJ. ENGR.	A. CHEPEL	REV A - PRELIMINARY REVIEW	7/23/21	
REGIONAL ADM.	J. WHITE	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
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C9424		

PRELIMINARY
NOT FOR CONSTRUCTION

Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO DR35

SHEET OF SHEETS

T.22N. R.4E. W.M.

NOTES:

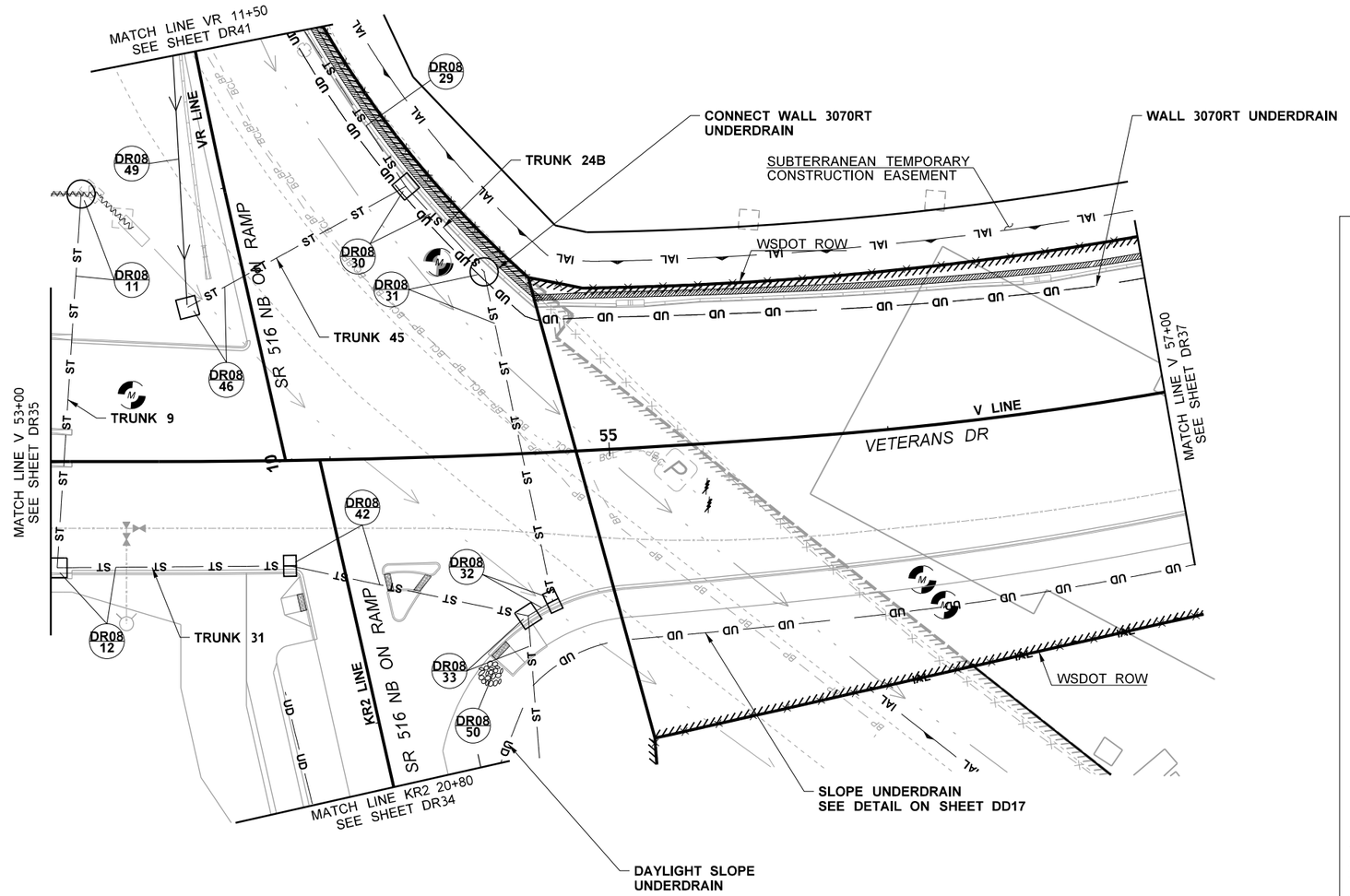
1. EXISTING PIPES WITHIN CITY OF SEATAC ROW SHALL BE REMOVED. ABANDONMENT IS PROHIBITED.

DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE SHEET(S)
TRUNK 9	DP07
TRUNK 24B	DP14
TRUNK 31	DP16
TRUNK 45	DP22

N

0 25 50
SCALE IN FEET



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FILE NAME	c:\pwworking\jacobs_b&i\pw-rlmandgr\d0321956\C9424_PS_DR36.dgn						
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PLOTTED BY	GlennR				JOB NUMBER		
DESIGNED BY	T. STANLEY						
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SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO
DR36

SHEET
OF
SHEETS

T.22N. R.4E. W.M.

NOTES:

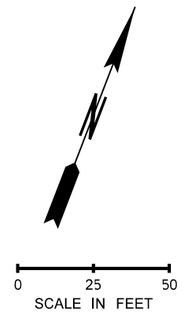
1. EXISTING PIPES WITHIN CITY OF SEATAC ROW SHALL BE REMOVED. ABANDONMENT IS PROHIBITED.

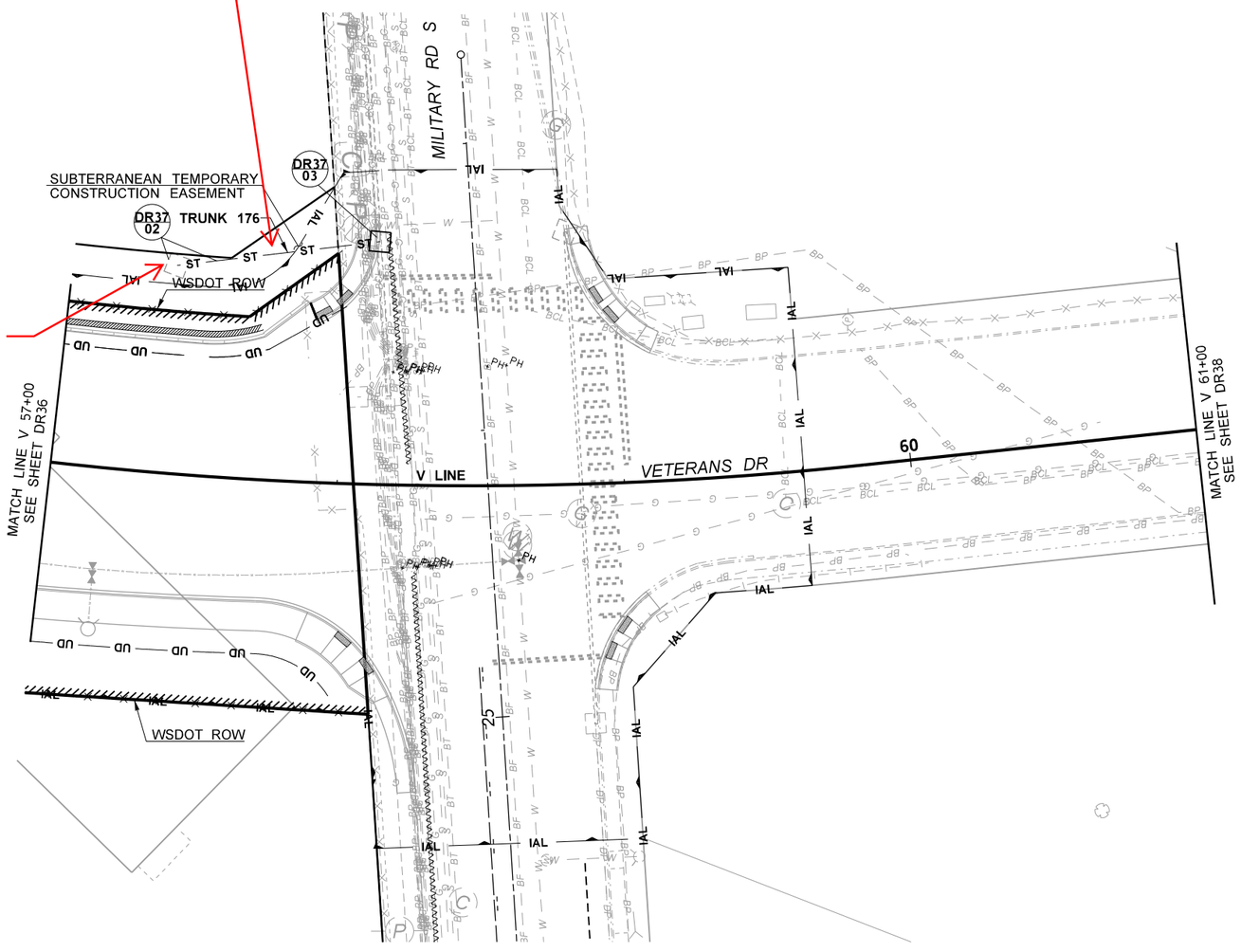
DRAINAGE REFERENCE SUMMARY

DESCRIPTION	PROFILE SHEET(S)
TRUNK 176	DP33

Show ownership and maintenance responsibility

This work is occurring on private property and requires a separate permit from the City of Kent. The permit shall show how the Poulsbo RV site is being restored as well as the drainage analysis, resulting detention and conveyance to recoonect





DRAINAGE LEGEND:

- RIGHT-OF-WAY (R.O.W.) AND LIMITED ACCESS
- EXISTING CITY R.O.W. / EASEMENT
- PROPOSED CITY R.O.W. / EASEMENT
- PROPERTY LINE
- WB — WETLAND BOUNDARY
- IAL — IMPACT AREA LINE
- 100 — CONSTRUCTION ALIGNMENT
- CATCH BASIN/ CONCRETE INLET
- GRATE INLET TYPE 2
- MANHOLE
- DROP INLET
- EXISTING DITCH
- PROPOSED DRAINAGE DITCH
- ST — ST — EXISTING STORM DRAIN
- ST — ST — PROPOSED STORM DRAIN
- EXISTING CULVERT
- PROPOSED CULVERT
- UD — UD — PROPOSED UNDERDRAIN
- EXISTING STORM TO BE REMOVED/ABANDONED
- ROCK INLET/OUTFALL PROTECTION
- PROPOSED BIOFILTRATION SWALE
- MFD — PROPOSED MEDIA FILTER DRAIN
- BR — BR — PROPOSED BIORETENTION
- ROCK UNDERDRAIN/ SPLASH PAD
- ROCK CHECK DAM

FILE NAME	c:\pwworking\jacobs_b&l\pw-rlmandgr\d0321956\C9424_PS_DR37.dgn			
TIME	5:36:41 PM			
DATE	12/16/2021			
PLOTTED BY	GlennR			
DESIGNED BY	T. STANLEY			
ENTERED BY	N. KLYZHKO			
CHECKED BY	S. MESIC	REV B - FINAL REVIEW	12/03/21	
PROJ. ENGR.	A. CHEPEL	REV A - PRELIMINARY REVIEW	7/23/21	
REGIONAL ADM.	J. WHITE	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO.
C9424		

PRELIMINARY
NOT FOR CONSTRUCTION

Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO DR37

SHEET OF SHEETS

T.22N. R.4E. W.M.

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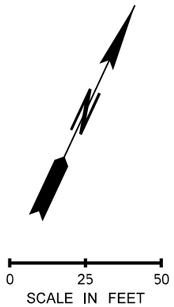

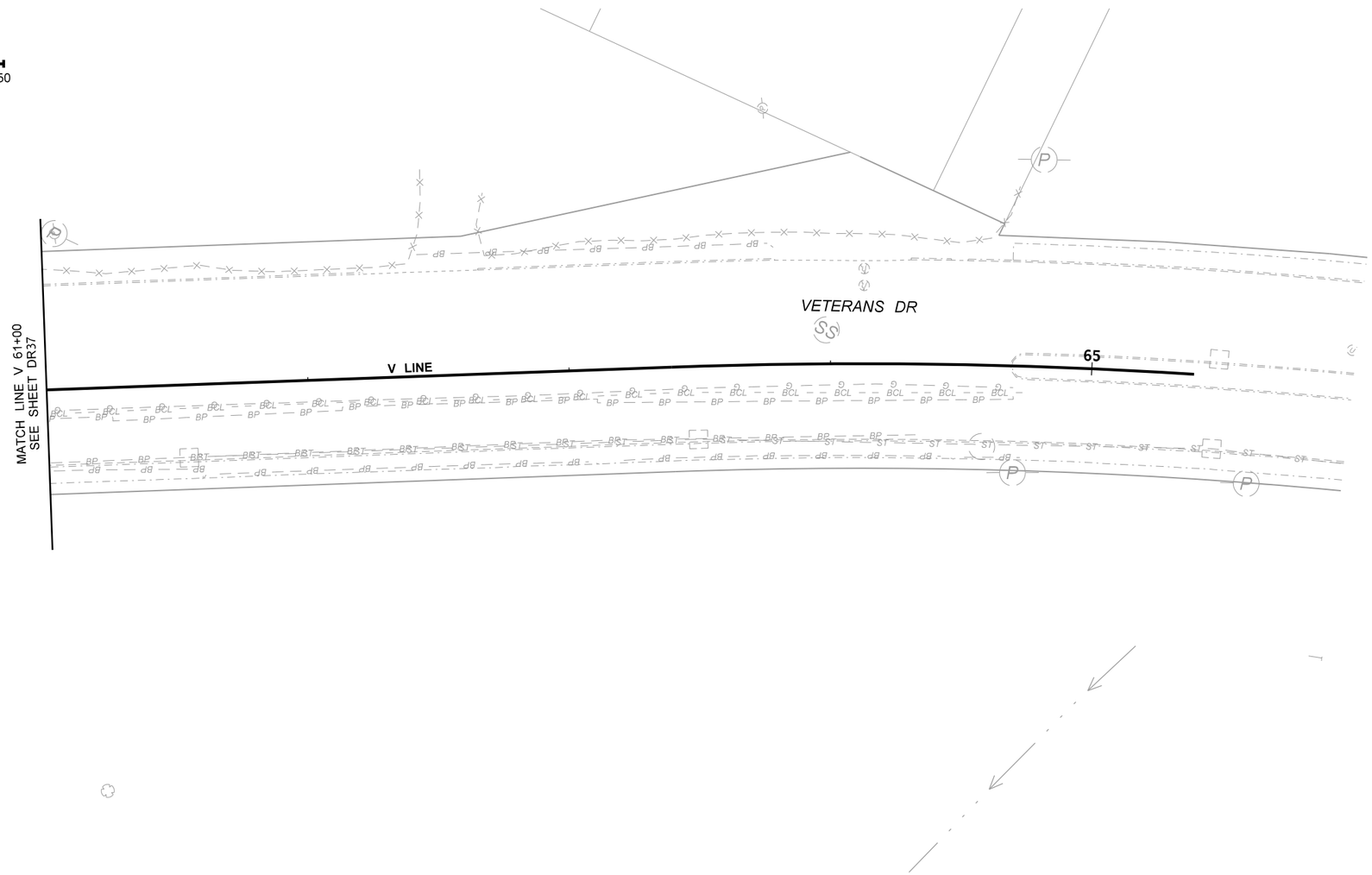

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FILE NAME	c:\pwworking\jacobs_b&i\pw-rlmandgr\d0321956\C9424_PS_DR38.dgn						
TIME	5:36:51 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	12/16/2021						
PLOTTED BY	GlennR				JOB NUMBER		
DESIGNED BY	T. STANLEY						
ENTERED BY	N. KLYZHKO						
CHECKED BY	S. MESIC	REV B - FINAL REVIEW	12/03/21		CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. CHEPEL	REV A - PRELIMINARY REVIEW	7/23/21		C9424		
REGIONAL ADM.	J. WHITE	REVISION	DATE	BY			

PRELIMINARY
NOT FOR CONSTRUCTION

Washington State Department of Transportation

ATKINSON CONSTRUCTION / Jacobs

SR509
I-5 TO 24TH AVENUE S
NEW EXPRESSWAY

DRAINAGE PLAN

PLAN REF NO
DR38

SHEET
OF
SHEETS