

# 12TH PL. SOUTH AND 13TH AVE. SOUTH OVERLAY AND AC WATER MAIN REPLACEMENT CONSTRUCTION PLANS

PROJECT NUMBER: ST-886

**MAYOR**

MICHAEL J. SIEFKES

**DEPUTY MAYOR**

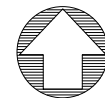
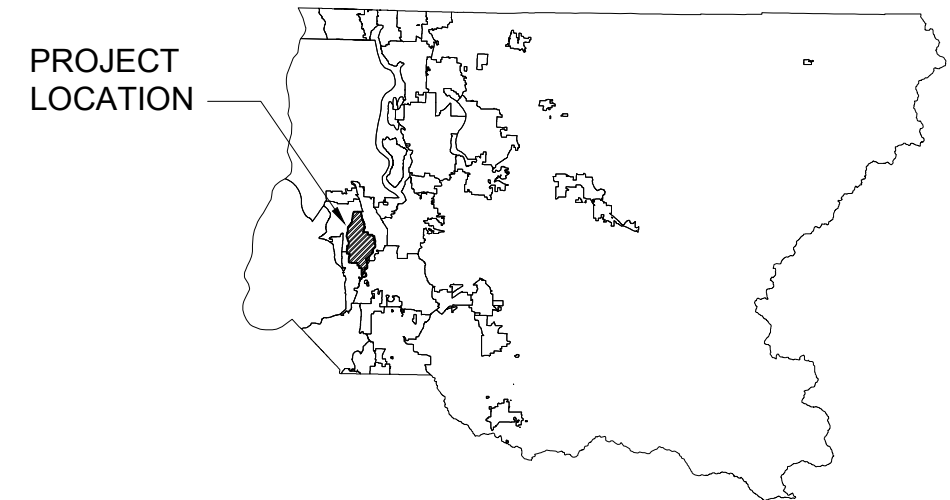
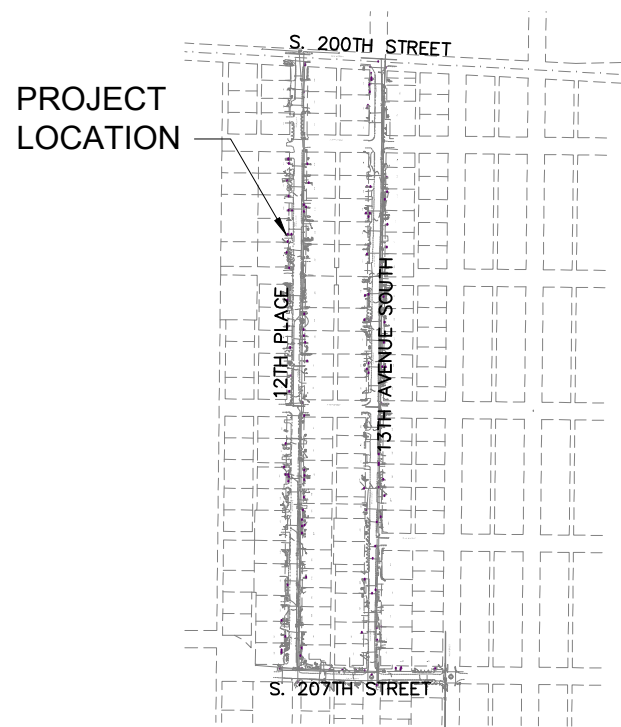
ERIN SITTERLEY

**CITY COUNCIL MEMBERS:**

RICK FORSCHLER  
PAM FERNALD  
PETER KWON  
CLYDE HILL  
JOEL WACHTEL

**PUBLIC WORKS DIRECTOR:**

WILLIAM APPLETON, PE



**VICINITY MAP**

NOT TO SCALE



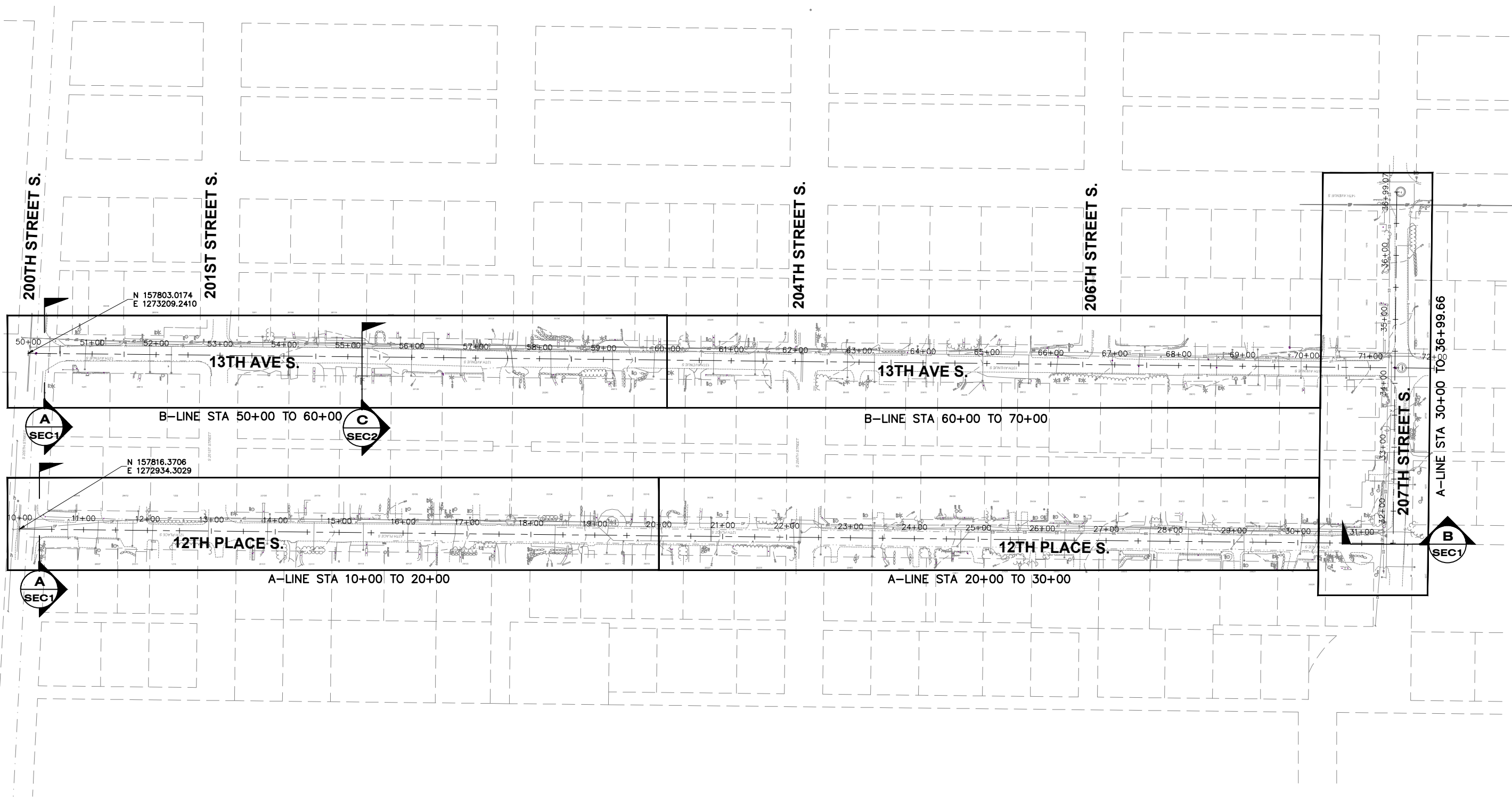
**CITY OF SEATAC**  
**DEPARTMENT OF PUBLIC WORKS**



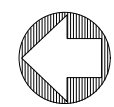
Know what's below.  
Call before you dig.



\DATA\DATA\PUBLICWORKS\ENGINEERING\ST - STREET PROJECTS\ST-886-2017 OVERLAYS\12TH13TH\DESIGN\CAD SHEETS\ST-886\_KEY.DWG.3/6 /2018 3:12:22 PM.COLUM LANG



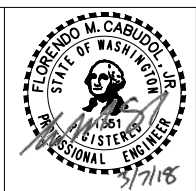
NO.	DATE	BY	APPR.	REVISION



DRN.      DSGN.      CHKD.



**Public Works Department**  
 William Appleton, P.E., Public Works Director  
 Florendo Cabudol, P.E., City Engineer  
 4800 South 188th Street, SeaTac, Wa 98188-8605  
 Telephone: (206) 973-4720, Engineering Division

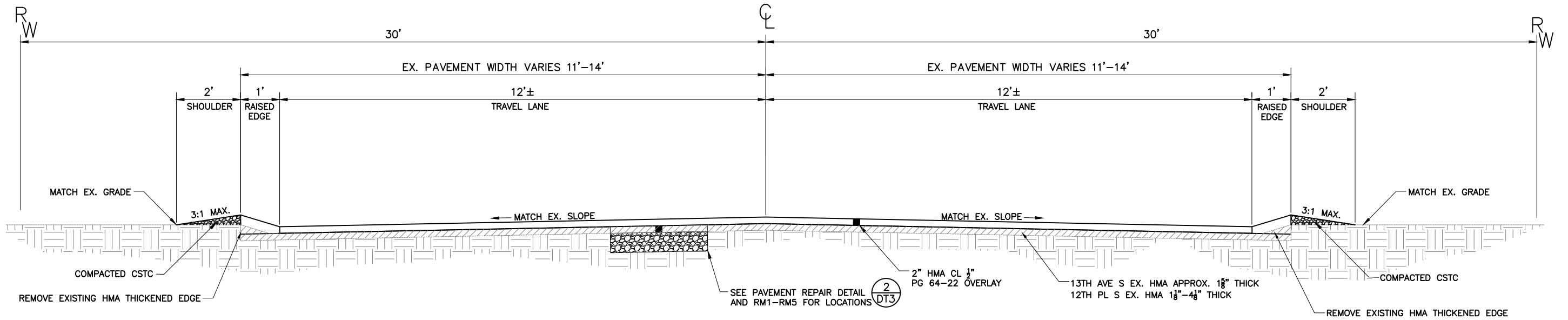


**CITY OF SEATAC**  
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**KEY MAP**

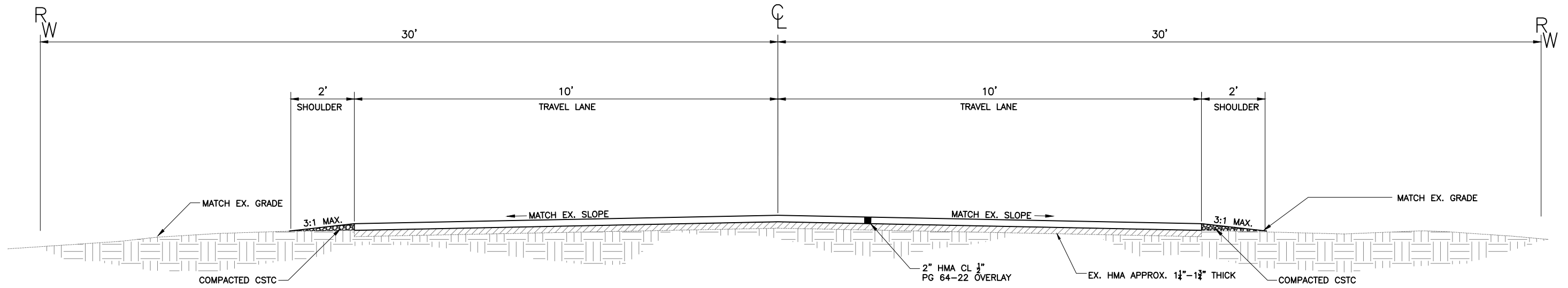
DATE: 03/07/2018      SCALE: NOT TO SCALE      JOB # ST-886

PLAN NO:  
**KEY**  
 3 OF 23

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**TYPICAL SECTION A**  
 A-LINE STA 10+22.42 TO STA 31+45  
 12TH AVENUE SOUTH  
 B-LINE STA 50+24.73 TO STA 55+15  
 13TH AVENUE SOUTH



**TYPICAL SECTION B**  
 A-LINE STA 31+55.94 TO STA 36+70  
 SOUTH 207TH STREET

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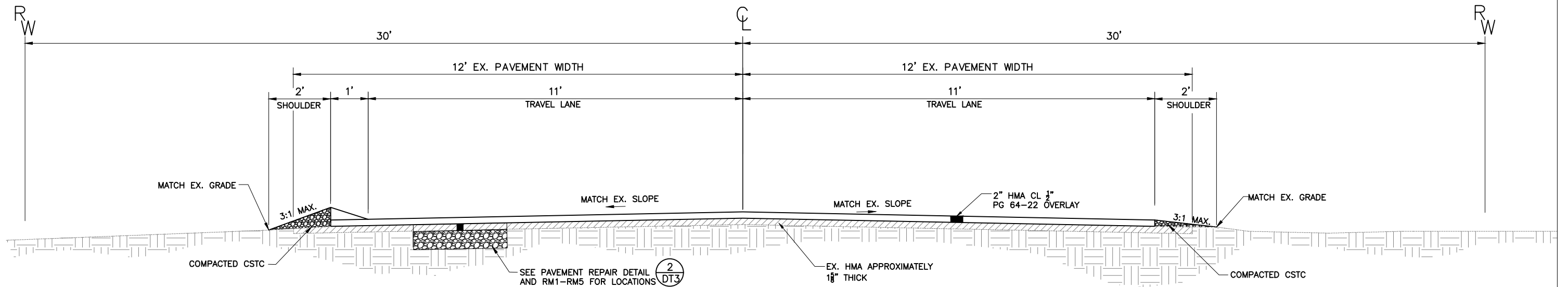


**CITY OF SEATAC**  
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**TYPICAL SECTIONS**

DATE: 03/07/2018      SCALE: NOT TO SCALE      JOB # ST-886

PLAN NO:  
**SEC 1**  
 4 OF 23

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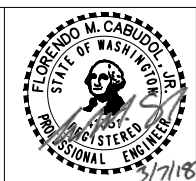
**TYPICAL SECTION** C  
 B-LINE STA 55+15 TO STA 71+10  
 13TH AVENUE SOUTH

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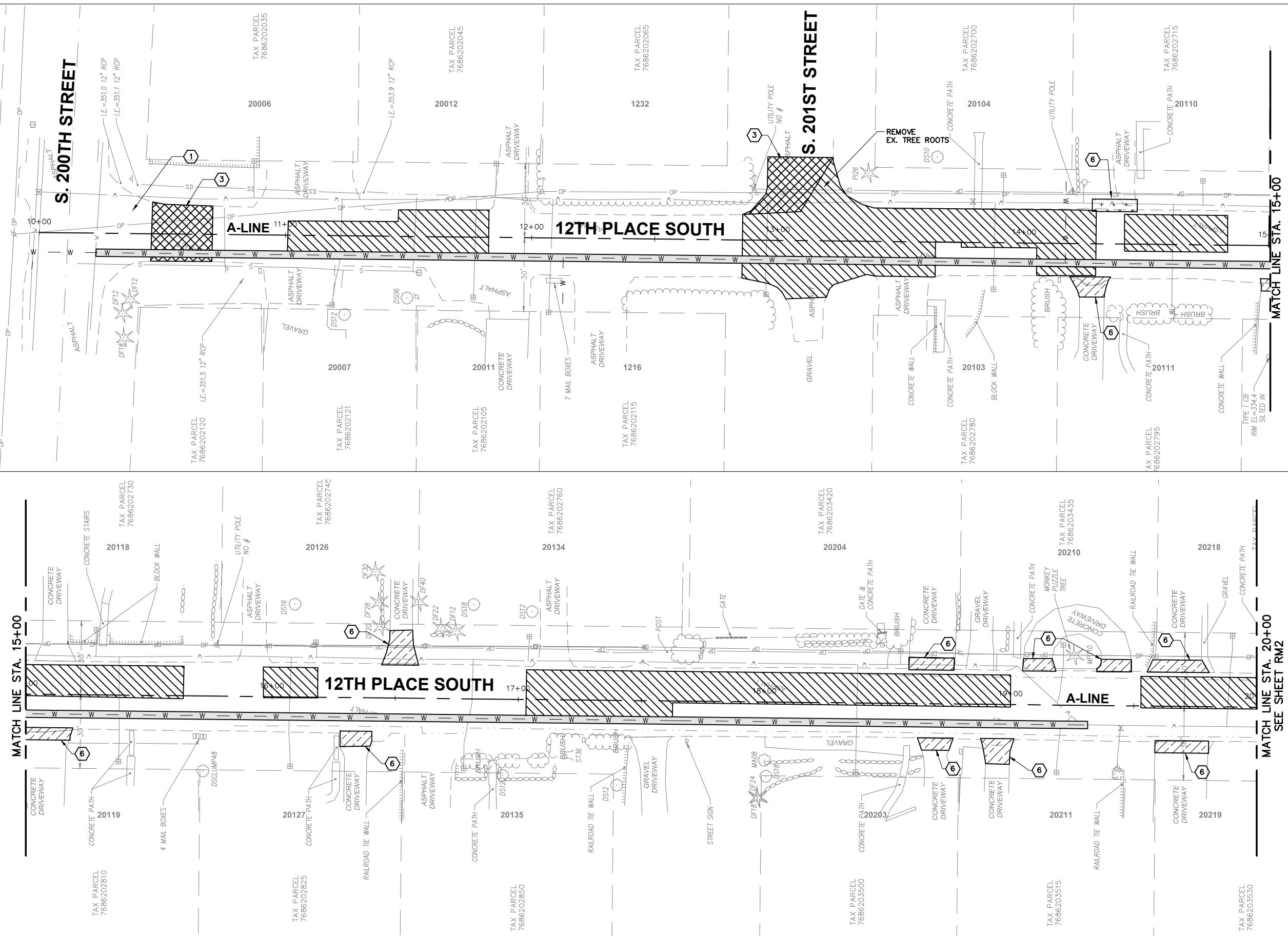


**CITY OF SEATAC**  
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**TYPICAL SECTIONS**

DATE: 03/07/2018    SCALE: NOT TO SCALE    JOB # ST-886

PLAN NO:  
**SEC2**  
 5 OF 23

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**CONSTRUCTION NOTES:**

- ① REMOVE PAVEMENT MARKING FROM OVERLAY AREA
- ② NOT USED
- ③ PLANING BITUMINOUS PAVEMENT (8/DT) (TYP)
- ④ NOT USED
- ⑤ NOT USED
- ⑥ SAWCUT AND REMOVE EXISTING DRIVEWAY TO THE LIMITS SHOWN
- ⑦ NOT USED

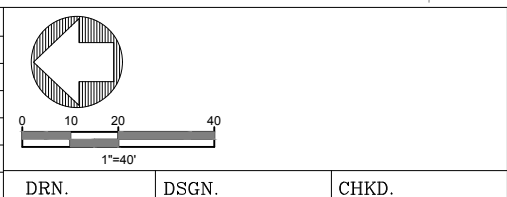
**LEGEND**

- PLANE BITUMINOUS PAVEMENT 2" TO 0" DEPTH
- HMA PAVEMENT REPAIR (2/DT) (TYP)
- HMA DRIVEWAY REMOVAL
- APPROXIMATE EXTENTS OF UTILITY PATCH BY OTHERS
- CONCRETE DRIVEWAY REMOVAL
- REMOVE EXISTING STORM PIPE
- PROPOSED WATER LINE (SHOWN FOR REFERENCE ONLY)
- STRUCTURE REMOVAL

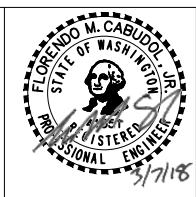
**GENERAL NOTES:**

1. EXISTING PAVEMENT MARKINGS IN OVERLAY AREAS SHALL BE OBLITERATED UNTIL BLEMISHES CAUSED BY THE PAVEMENT MARKING REMOVAL CONFORM TO THE COLORATION OF THE ADJACENT PAVEMENT.
2. EXISTING PAVED SURFACES TO RECEIVE OVERLAY SHALL BE PREPARED IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)A.
3. DEPRESSIONS GREATER THAN 1/2" IN DEPTH SHALL BE FILLED AND COMPACTED WITH HOT MIX ASPHALT.
4. CONTRACTOR SHALL REPAIR PAVEMENT IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)E AND AS SHOWN IN THESE PLANS.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS.
6. PAVEMENT REPAIR AND RESTORATION EXTENTS ARE APPROXIMATE, LOCATIONS SHALL BE IDENTIFIED AND COORDINATED WITH THE ENGINEER PRIOR TO COMMENCING THE WORK.
7. PROPOSED WATER MAIN AND TRENCHING LIMITS SHOWN FOR REFERENCE ONLY. SEE WATER PLANS FOR ADDITIONAL DETAIL.
8. HMA PRE-LEVEL AS DIRECTED BY THE ENGINEER IN AREAS IDENTIFIED BY THE ENGINEER IN THE FIELD.

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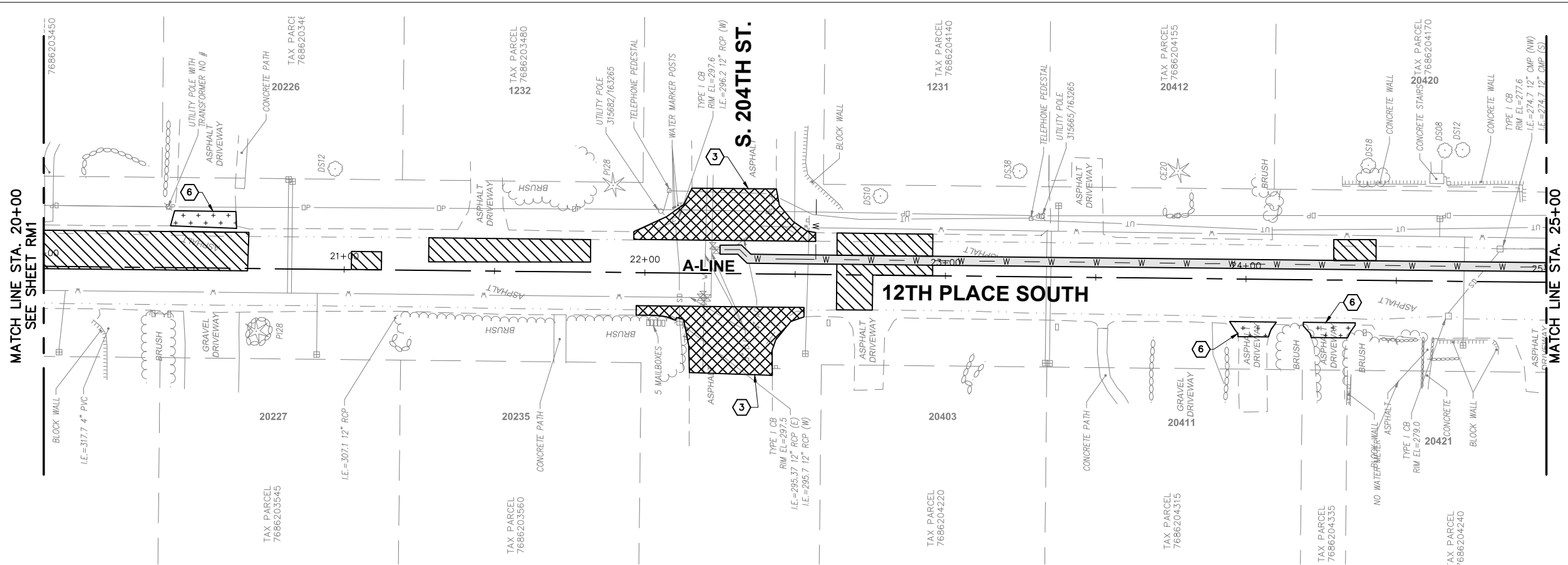
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**

**TESC AND REMOVAL PLANS**

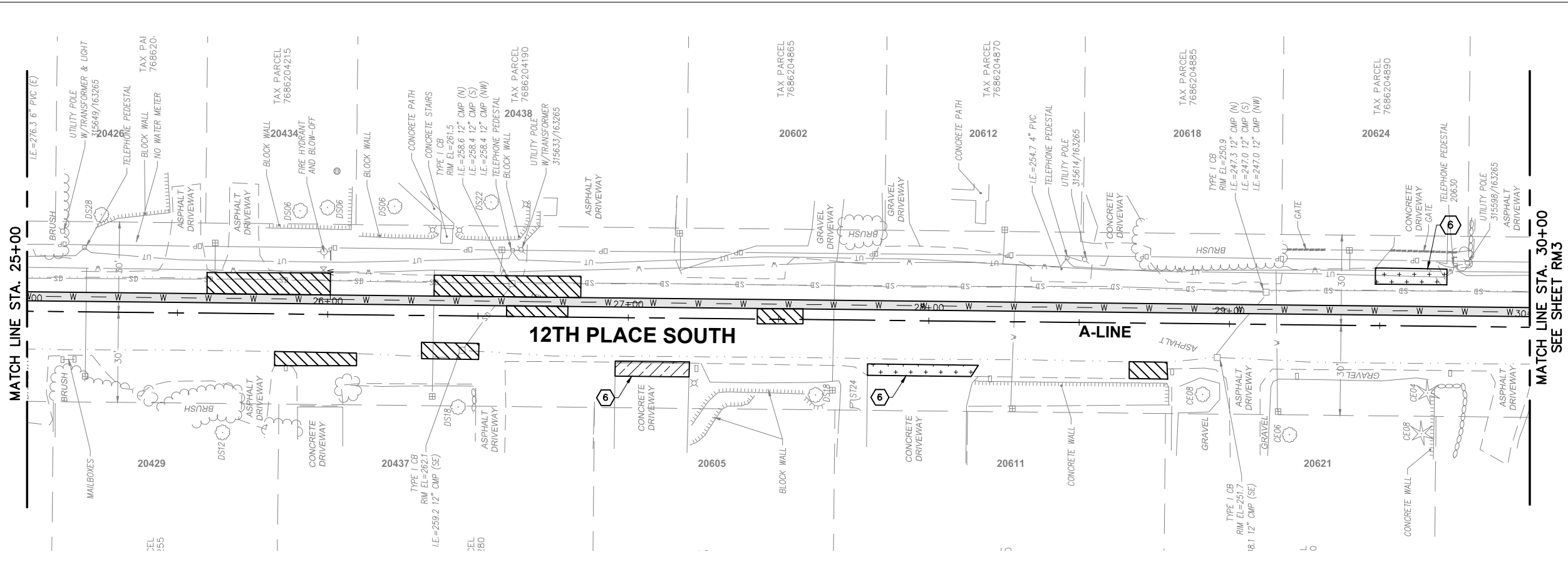
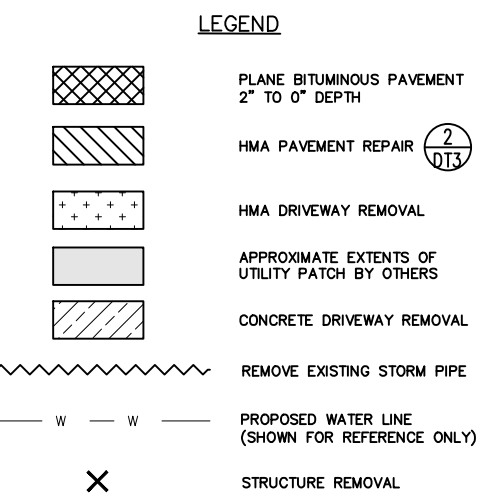
DATE: 03/07/2018    SCALE: AS SHOWN    JOB # ST-886

PLAN NO:  
**RM1**  
6 OF 23

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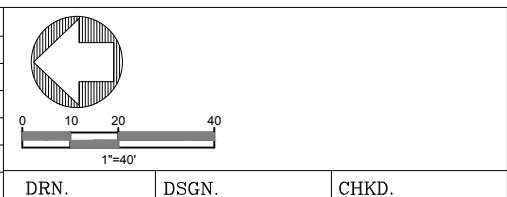



- CONSTRUCTION NOTES:**
- 1 NOT USED
  - 2 NOT USED
  - 3 PLANING BITUMINOUS PAVEMENT (8/DT) (TYP)
  - 4 NOT USED
  - 5 NOT USED
  - 6 SAWCUT AND REMOVE EXISTING DRIVEWAY TO THE LIMITS SHOWN
  - 7 NOT USED



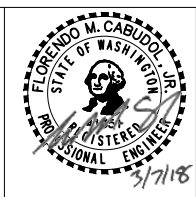
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  4. CONTRACTOR SHALL REPAIR PAVEMENT IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)E AND AS SHOWN IN THESE PLANS.
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  8. HMA PRE-LEVEL AS DIRECTED BY THE ENGINEER IN AREAS IDENTIFIED BY THE ENGINEER IN THE FIELD.

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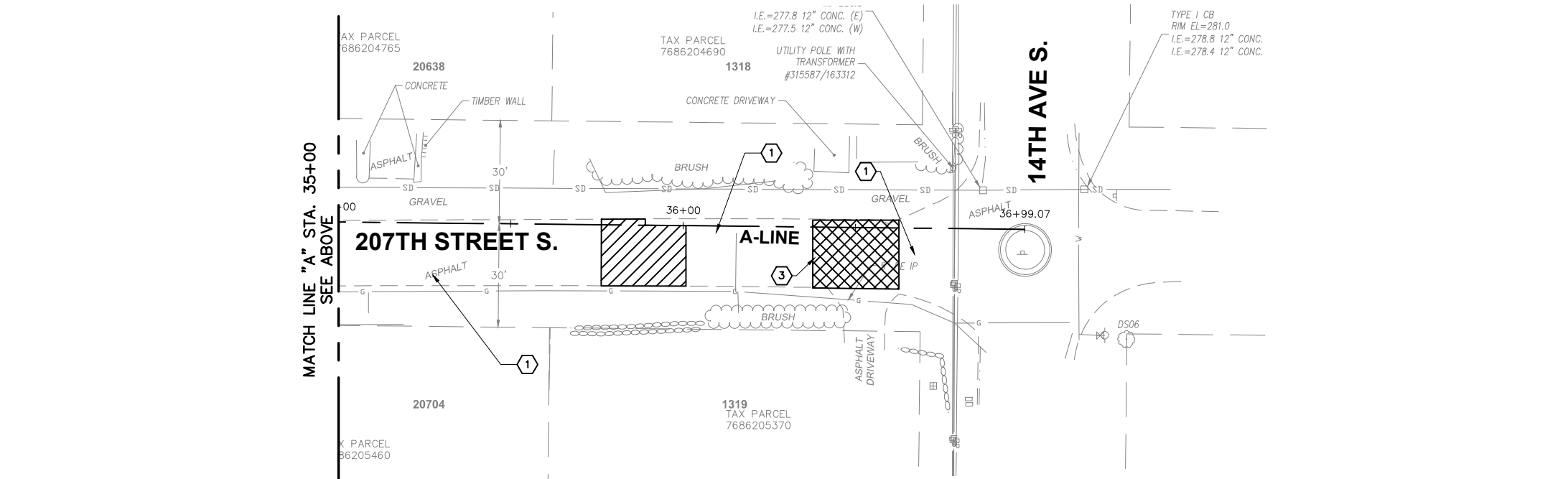
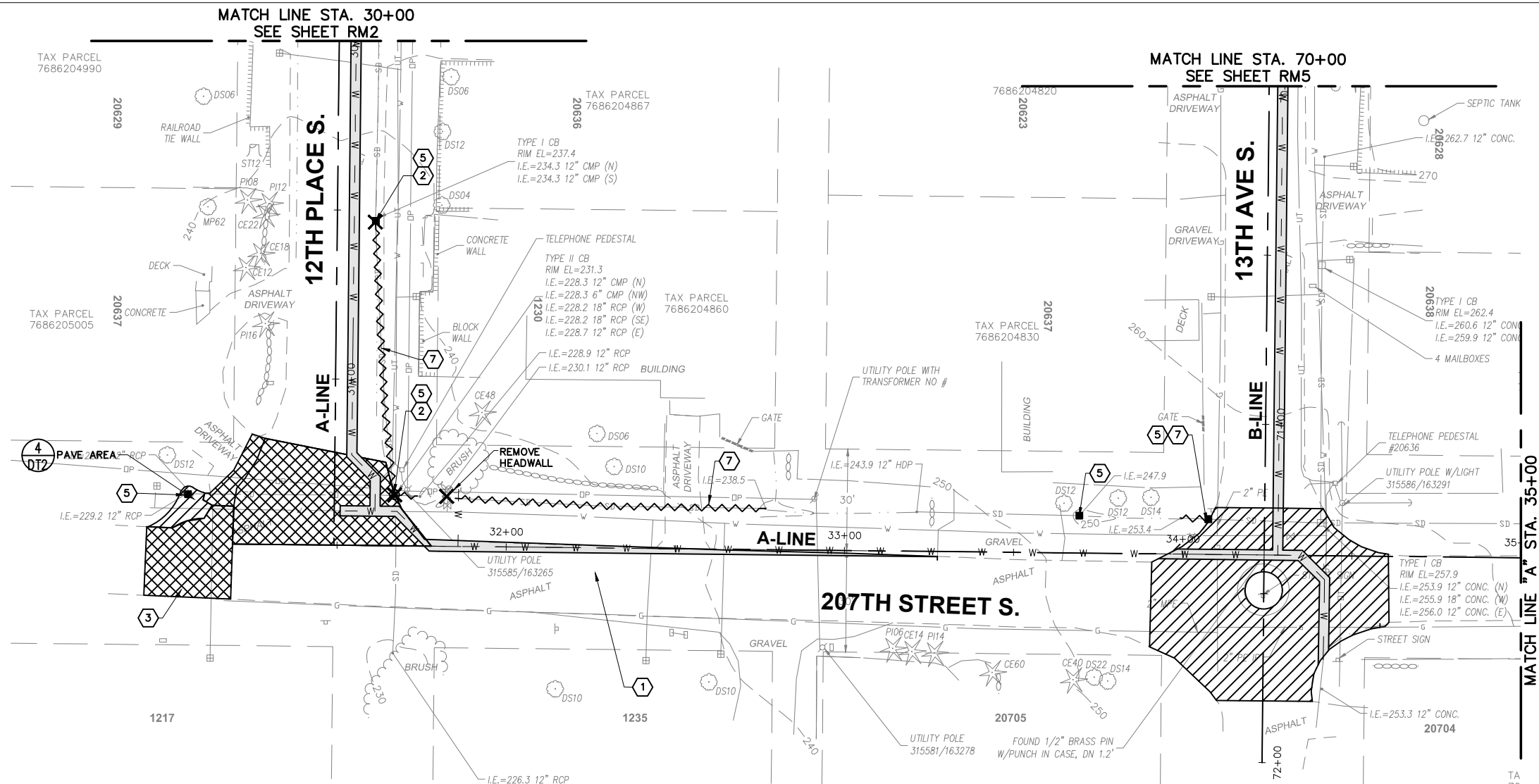
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**

**TESC AND REMOVAL PLANS**

DATE: 03/07/2018    SCALE: AS SHOWN    JOB # ST-886

PLAN NO:  
**RM2**  
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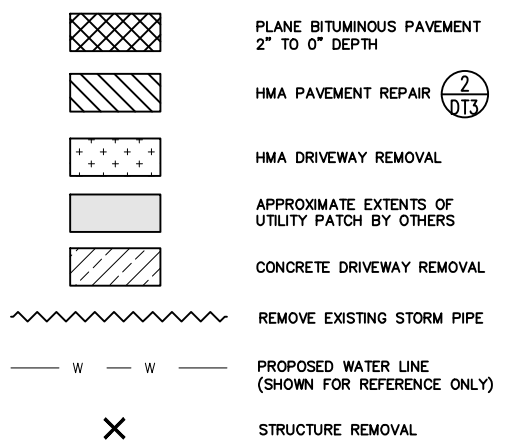
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**CONSTRUCTION NOTES:**

- ① REMOVE PAVEMENT MARKING FROM OVERLAY AREA
- ② REMOVE EXISTING CATCH BASIN
- ③ PLANING BITUMINOUS PAVEMENT (8/DT7) (TYP)
- ④ NOT USED
- ⑤ CATCH BASIN TYPE 1 FILTER SOCK INSERT IN NEW CB
- ⑦ REMOVE AND DISPOSE OF EXISTING PIPE

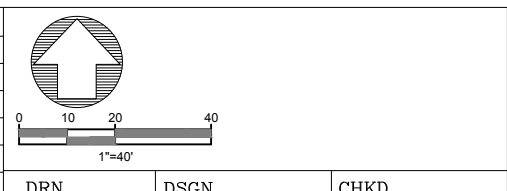
**LEGEND**



**GENERAL NOTES:**

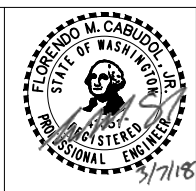
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8. HMA PRE-LEVEL AS DIRECTED BY THE ENGINEER IN AREAS IDENTIFIED BY THE ENGINEER IN THE FIELD.

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**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**

**TESC AND REMOVAL PLANS**

DATE: 03/07/2018

SCALE: AS SHOWN

JOB # ST-886

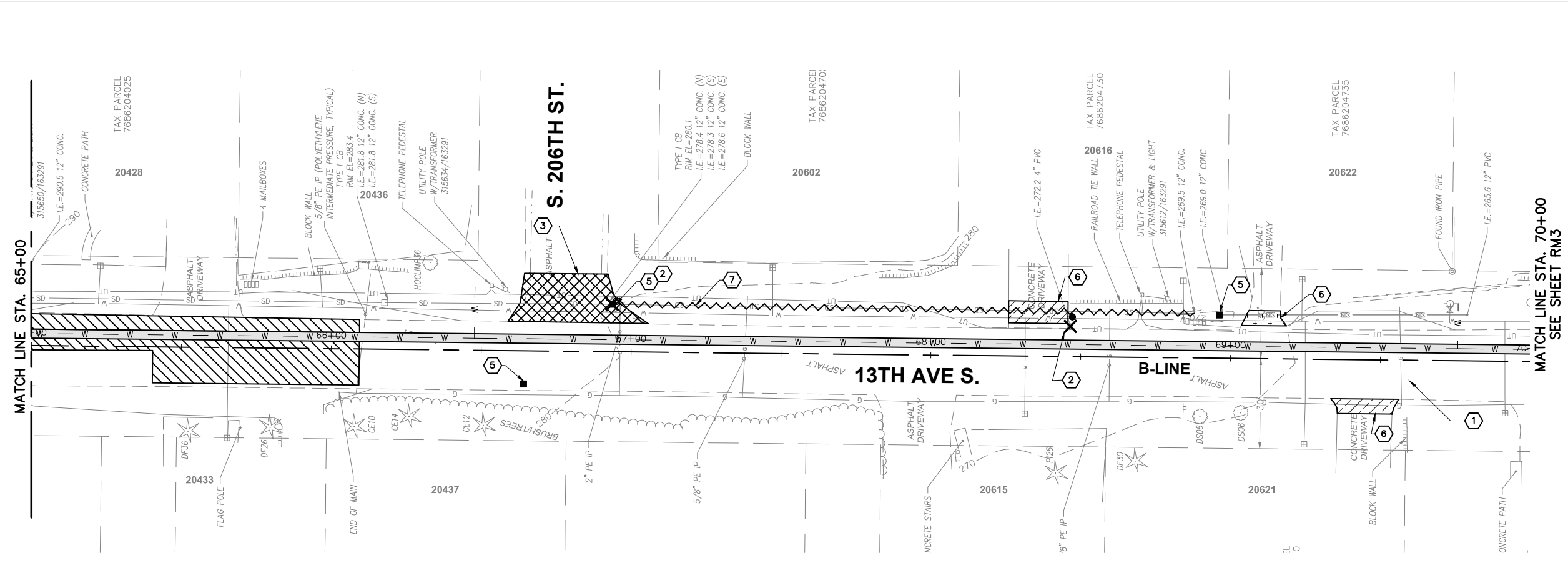
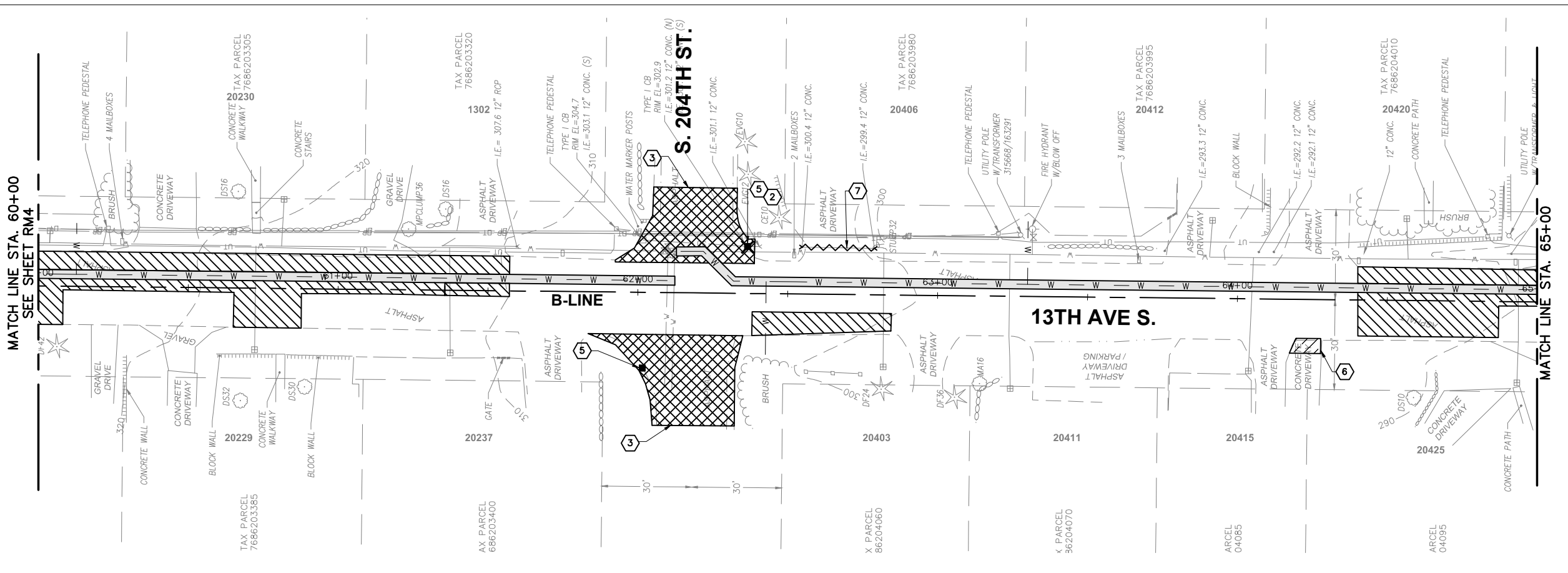
PLAN NO:  
**RM3**

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**CONSTRUCTION NOTES:**

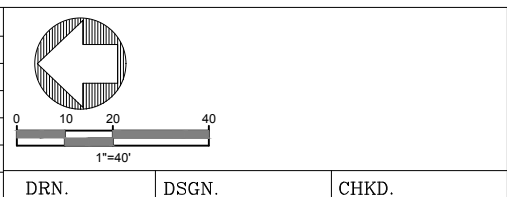
- 1 REMOVE PAVEMENT MARKING FROM OVERLAY AREA
- 2 REMOVE EXISTING CATCH BASIN
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- 4 NOT USED
- 5 CATCH BASIN TYPE 1 FILTER SOCK INSERT IN NEW CB
- 6 SAWCUT AND REMOVE EXISTING DRIVEWAY TO THE LIMITS SHOWN
- 7 REMOVE AND DISPOSE OF EXISTING PIPE

**LEGEND**

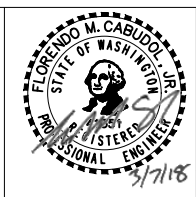
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**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**TESC AND REMOVAL PLANS**

DATE: 03/07/2018      SCALE: AS SHOWN      JOB # ST-886

PLAN NO: **RM5**  
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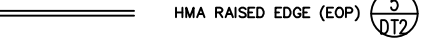
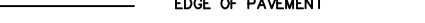


**SIGN SCHEDULE**

ALIGNMENT	STATION	OFFSET	SIGN CODE	SIZE	DESCRIPTION	REMARKS
A-LINE	12+91.25	19.41 (L)	R1-1	30" X 30"	STOP SIGN	INSTALL STOP SIGN AND EX STREET SIGNS

**CONSTRUCTION NOTES:**

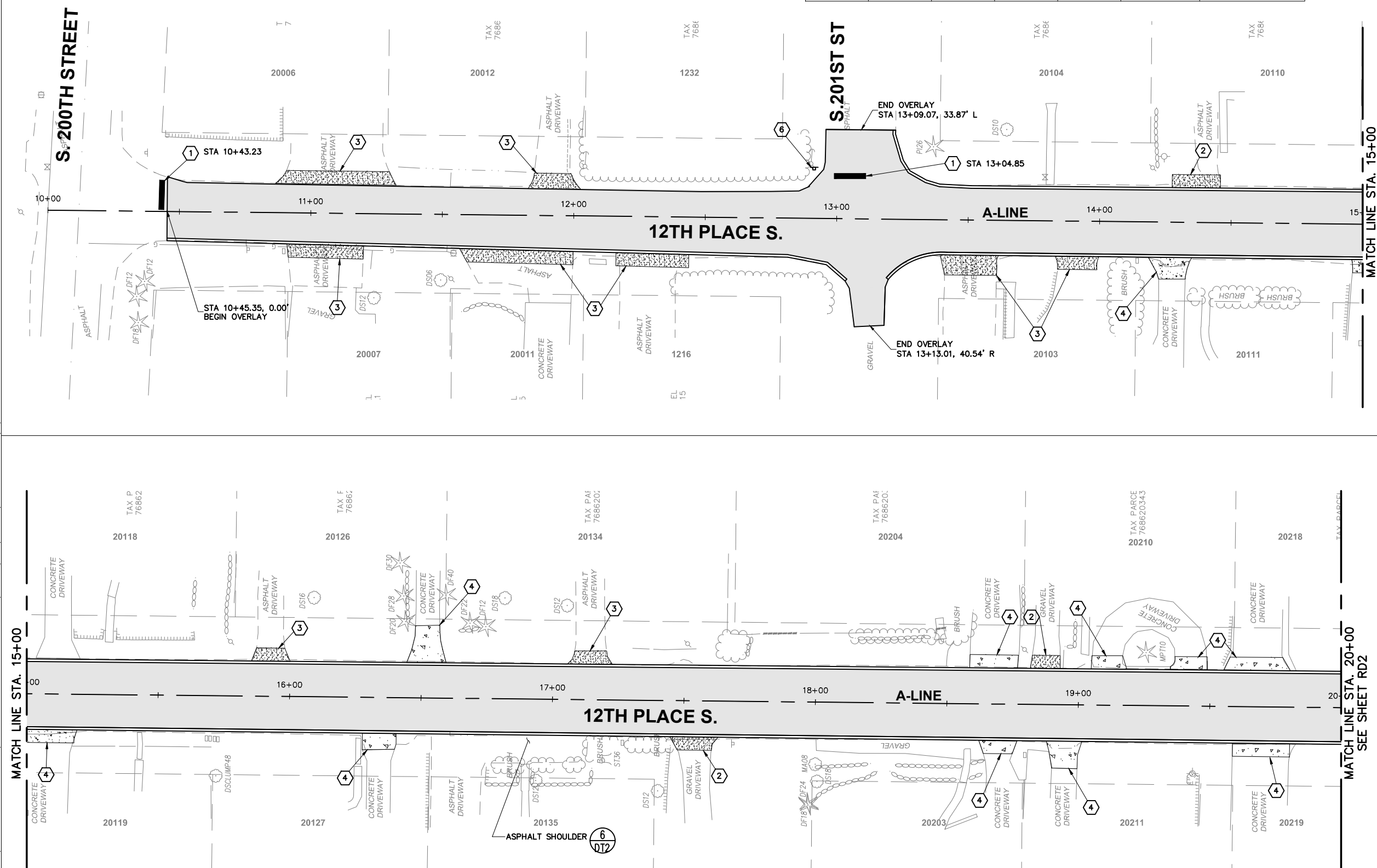
- ① 16" STOP BAR PER WSDOT STD DRAWING M-24.60-04
- ② CONSTRUCT HMA DRIVEWAY (DT2) AT EX. GRAVEL DRIVEWAY
- ③ OVERLAY EX. HMA DRIVEWAY IN LOCATION SHOWN (DT1)
- ④ CONSTRUCT CONCRETE DRIVEWAY AT EX. CONCRETE DRIVEWAY (DT3)
- ⑤ NOT USED
- ⑥ NEW SIGN ASSEMBLY PER WSDOT STD PLAN G-22.10-03

**LEGEND**

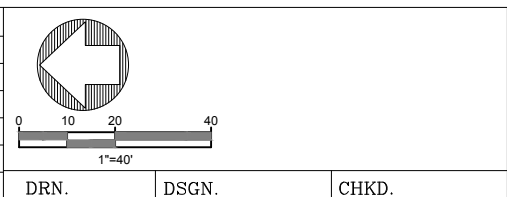
-  HMA OVERLAY PG 64-22
-  HMA RESIDENTIAL DRIVEWAY
-  CONCRETE RESIDENTIAL DRIVEWAY
-  GRASS RESTORATION
-  HMA RAISED EDGE (EOP) (DT5)
-  EDGE OF PAVEMENT
-  STOP BAR
-  DRAINAGE FLOW DIRECTION


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- 3. DEPRESSIONS GREATER THAN 1/2" IN DEPTH SHALL BE FILLED AND COMPACTED WITH HOT MIX ASPHALT AS DIRECTED BY THE ENGINEER.
- 4. CONTRACTOR SHALL REPAIR PAVEMENT IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5) E AND AS SHOWN IN THESE PLANS.
- 5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS.
- 6. ALL DRIVEWAYS TO REMAIN ACCESSIBLE AT THE END OF EACH SHIFT.
- 7. RESTORE DRIVEWAY AS SHOWN USING HMA OR CONCRETE. LIMITS TO BE DETERMINED BY THE ENGINEER.

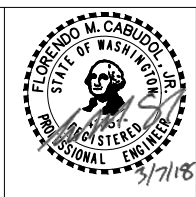


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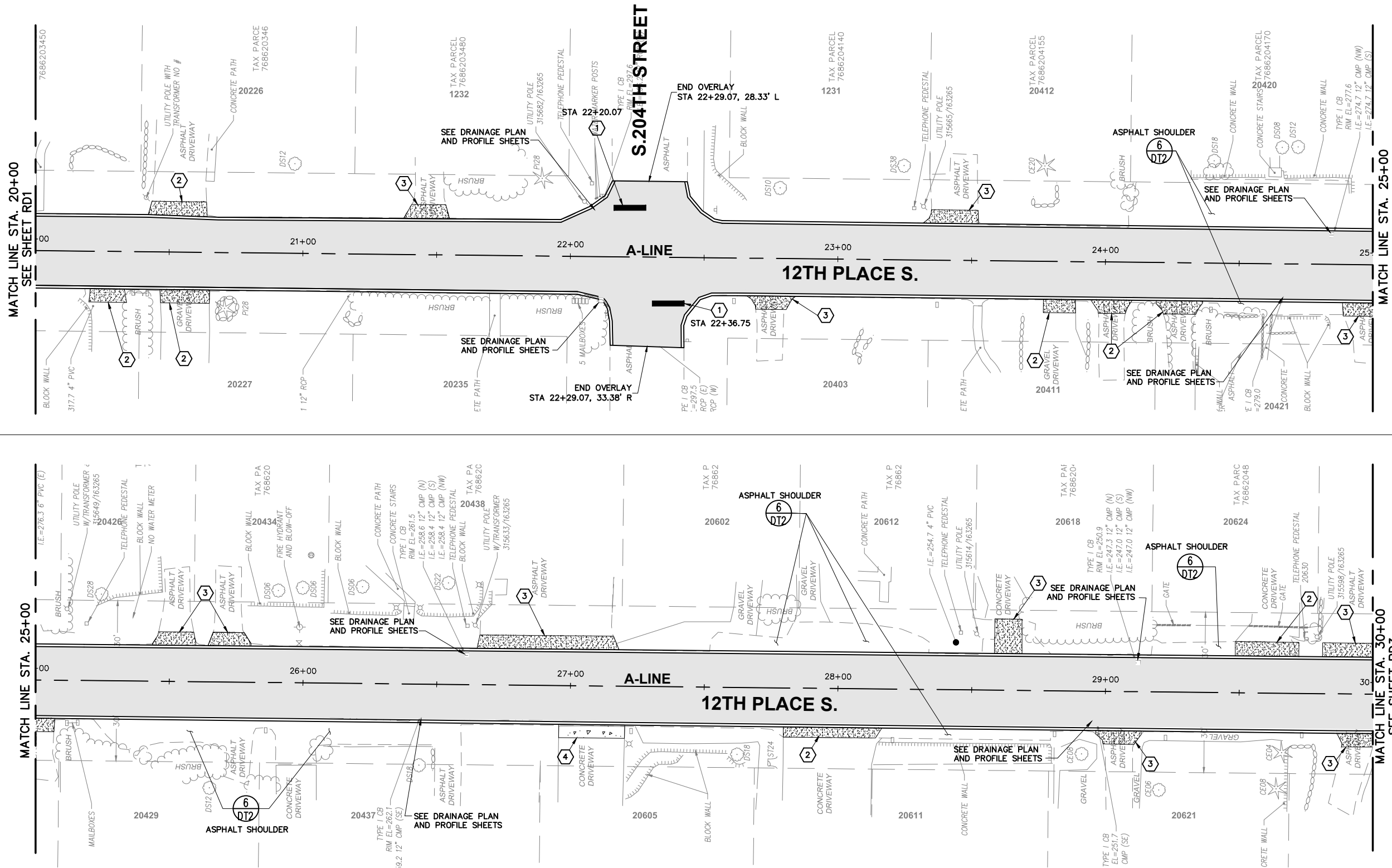
**ROADWAY PLANS**

DATE: 03/07/2018      SCALE: AS SHOWN      JOB # ST-886

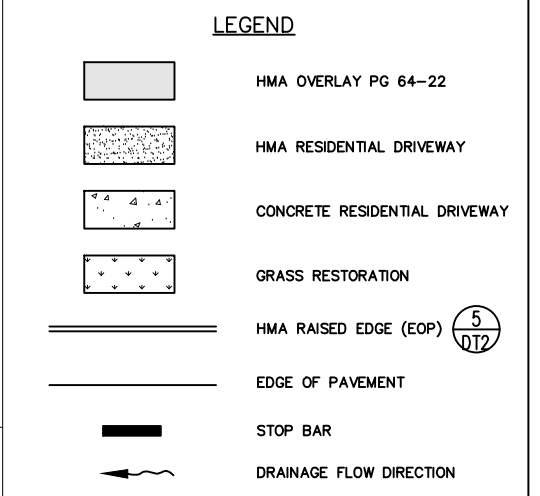
PLAN NO:  
**RD1**

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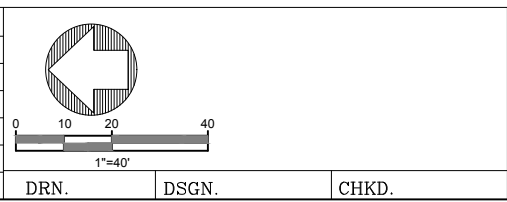



- CONSTRUCTION NOTES:**
- ① 16" STOP BAR PER WSDOT STD DRAWING M-24.60-04
  - ② CONSTRUCT HMA DRIVEWAY (DT2) AT EX. GRAVEL DRIVEWAY
  - ③ OVERLAY EX. HMA DRIVEWAY IN LOCATION SHOWN (DT2)
  - ④ CONSTRUCT CONCRETE DRIVEWAY AT EX. CONCRETE DRIVEWAY (DT2)
  - ⑤ NOT USED
  - ⑥ NOT USED



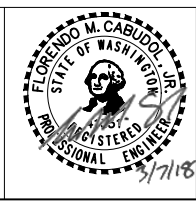
- GENERAL NOTES:**
1. EXISTING PAVEMENT MARKINGS IN OVERLAY AREAS SHALL BE OBLITERATED UNTIL BLEMMISHES CAUSED BY THE PAVEMENT MARKING REMOVAL CONFORM TO THE COLORATION OF THE ADJACENT PAVEMENT.
  2. EXISTING PAVED SURFACES TO RECEIVE OVERLAY SHALL BE PREPARED IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)A.
  3. DEPRESSIONS GREATER THAN 1/2" IN DEPTH SHALL BE FILLED AND COMPACTED WITH HOT MIX ASPHALT AS DIRECTED BY THE ENGINEER.
  4. CONTRACTOR SHALL REPAIR PAVEMENT IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5) E AND AS SHOWN IN THESE PLANS.
  5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS.
  6. ALL DRIVEWAYS TO REMAIN ACCESSIBLE AT THE END OF EACH SHIFT.
  7. RESTORE DRIVEWAY AS SHOWN USING HMA OR CONCRETE. LIMITS TO BE DETERMINED BY THE ENGINEER.

NO.	DATE	BY	APPR.	REVISION





**Public Works Department**  
 William Appleton, P.E., Public Works Director  
 Florendo Cabudol, P.E., City Engineer  
 4800 South 188th Street, SeaTac, Wa 98188-8605  
 Telephone: (206) 973-4720, Engineering Division



**CITY OF SEATAC**

**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**

**ROADWAY PLANS**

DATE: 03/07/2018      SCALE: AS SHOWN      JOB # ST-886

PLAN NO:  
**RD2**

**12 OF 23**

**SIGN SCHEDULE**

ALIGNMENT	STATION	OFFSET	SIGN CODE	SIZE	DESCRIPTION	REMARKS
A-LINE	31+14.89	21.81' R	R1-1	30" X 30"	STOP SIGN	INSTALL SIGN AND POST

**CONSTRUCTION NOTES:**

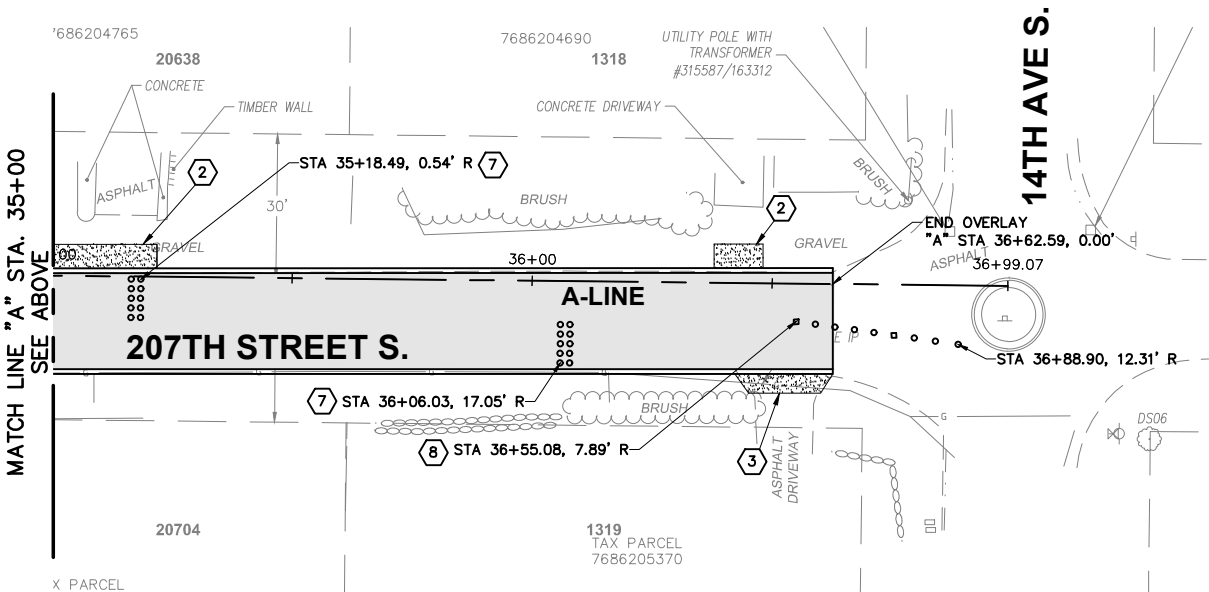
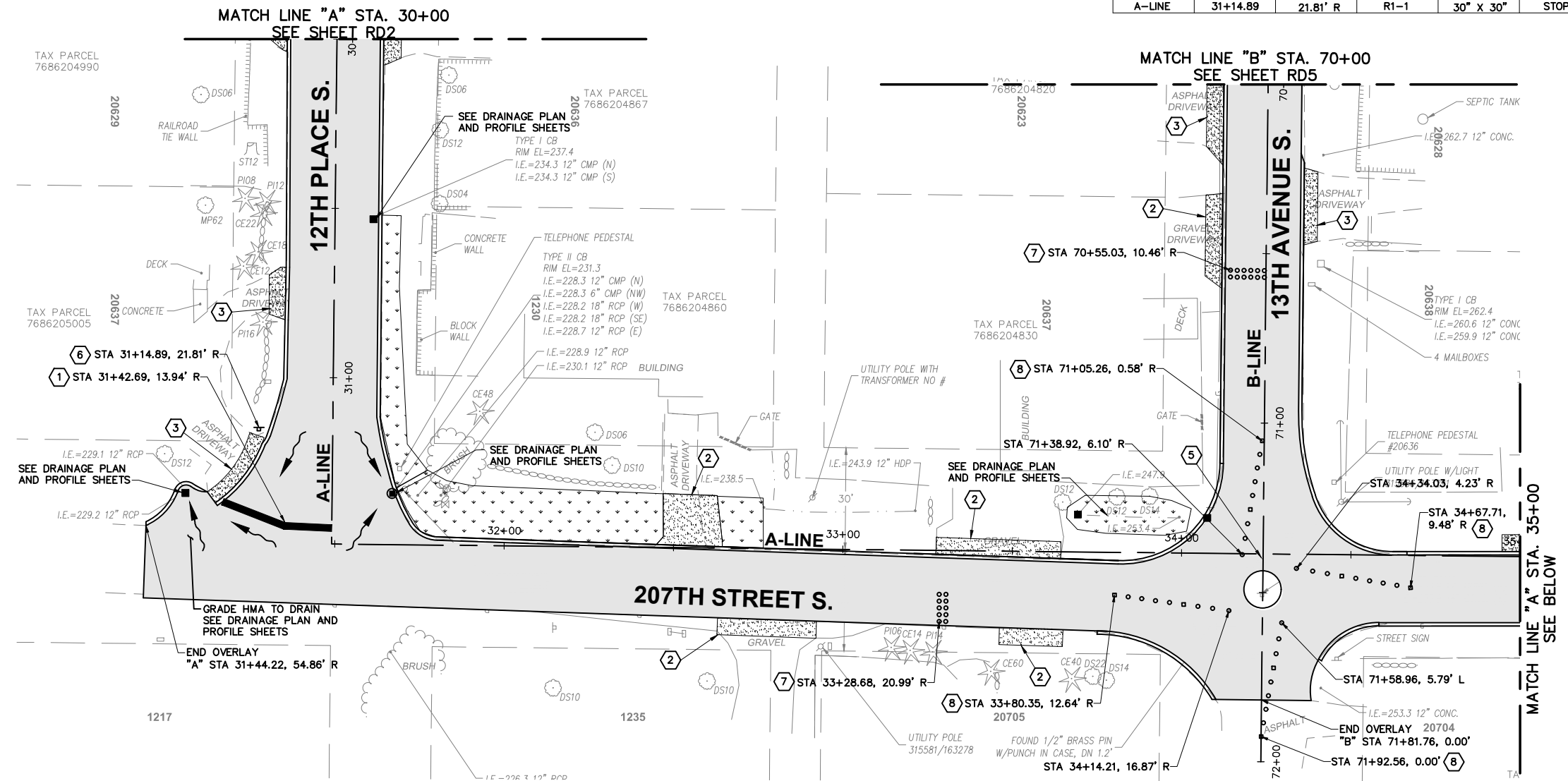
- 16" STOP BAR PER WSDOT STD DRAWING M-24.60-04
- CONSTRUCT HMA DRIVEWAY (DT2) AT EX. GRAVEL DRIVEWAY
- OVERLAY EX. HMA DRIVEWAY IN LOCATION SHOWN (DT1)
- NOT USED
- RAISE MONUMENT CASING TO GRADE PER KING COUNTY PLAN 5-019
- NEW SIGN ASSEMBLY PER WSDOT STD PLAN G-22.10-03
- RPM PATCH CONSISTING OF TYPE 1W RPM (PER WSDOT SPEC. 9-21.1) SPACED 1' O.C. BOTH DIRECTIONS
- TYPE 2Y RPM (PER WSDOT 9-21.2) 20' O.C. & TYPE 1Y RPM (PER WSDOT 9-21.2) 4' O.C.

**LEGEND**

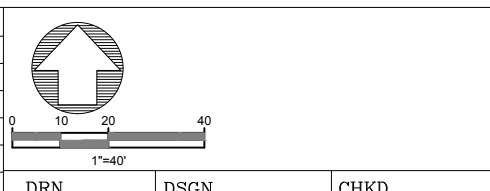
- HMA OVERLAY PG 64-22
- HMA RESIDENTIAL DRIVEWAY
- CONCRETE RESIDENTIAL DRIVEWAY
- GRASS RESTORATION
- HMA RAISED EDGE (EOP) (DT2)
- EDGE OF PAVEMENT
- STOP BAR
- DRAINAGE FLOW DIRECTION

**GENERAL NOTES:**

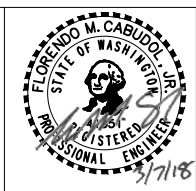
- EXISTING PAVEMENT MARKINGS IN OVERLAY AREAS SHALL BE OBLITERATED UNTIL BLEMMISHES CAUSED BY THE PAVEMENT MARKING REMOVAL CONFORM TO THE COLORATION OF THE ADJACENT PAVEMENT.
- EXISTING PAVED SURFACES TO RECEIVE OVERLAY SHALL BE PREPARED IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)A.
- DEPRESSIONS GREATER THAN 1/2" IN DEPTH SHALL BE FILLED AND COMPACTED WITH HOT MIX ASPHALT AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL REPAIR PAVEMENT IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)E AND AS SHOWN IN THESE PLANS.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS.
- ALL DRIVEWAYS TO REMAIN ACCESSIBLE AT THE END OF EACH SHIFT.
- RESTORE DRIVEWAY AS SHOWN USING HMA OR CONCRETE. LIMITS TO BE DETERMINED BY THE ENGINEER.



NO.	DATE	BY	APPR.	REVISION



**CITY OF SEATAC**  
 Public Works Department  
 William Appleton, P.E., Public Works Director  
 Florendo Cabudol, P.E., City Engineer  
 4800 South 188th Street, SeaTac, WA 98188-8605  
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**CITY OF SEATAC**  
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**ROADWAY PLANS**  
 DATE: 03/07/2018    SCALE: AS SHOWN    JOB # ST-886

PLAN NO:  
**RD3**  
 13 OF 23

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**SIGN SCHEDULE**

ALIGNMENT	STATION	OFFSET	SIGN CODE	SIZE	DESCRIPTION	REMARKS
B-LINE	52+82.12	23.08 L	R1-1	30" X 30"	STOP SIGN	NEW SIGN AND POST
B-LINE	53+16.15	22.58 R	R1-1	30" X 30"	STOP SIGN	NEW SIGN AND POST

**CONSTRUCTION NOTES:**

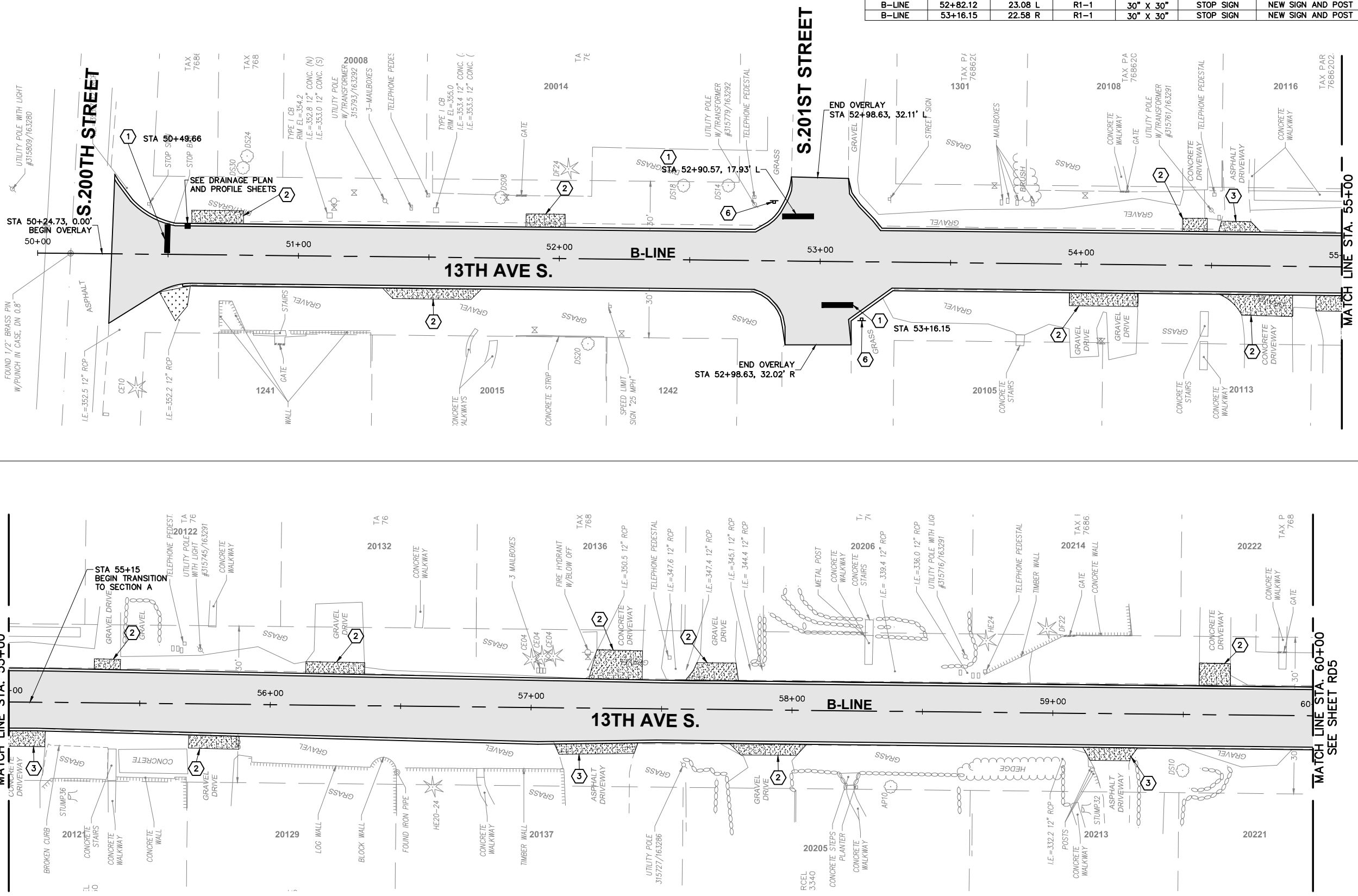
- ① 16" STOP BAR PER WSDOT STD DRAWING M-24.60-04
- ② CONSTRUCT HMA DRIVEWAY (2/DT) AT EX. GRAVEL DRIVEWAY
- ③ OVERLAY EX. HMA DRIVEWAY IN LOCATION SHOWN (1/DT)
- ④ NOT USED
- ⑤ NOT USED
- ⑥ NEW SIGN ASSEMBLY PER WSDOT STD PLAN G-22.10-03

**LEGEND**

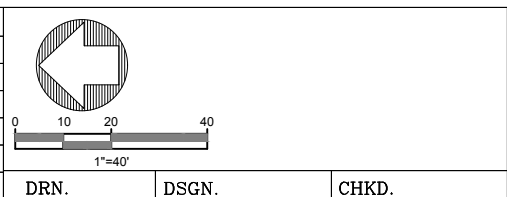
- HMA OVERLAY PG 64-22
- HMA RESIDENTIAL DRIVEWAY
- CONCRETE RESIDENTIAL DRIVEWAY
- GRASS RESTORATION
- HMA RAISED EDGE (EOP) (5/DT)
- EDGE OF PAVEMENT
- STOP BAR
- DRAINAGE FLOW DIRECTION


**GENERAL NOTES:**

1. EXISTING PAVEMENT MARKINGS IN OVERLAY AREAS SHALL BE OBLITERATED UNTIL BLEMISHES CAUSED BY THE PAVEMENT MARKING REMOVAL CONFORM TO THE COLORATION OF THE ADJACENT PAVEMENT.
2. EXISTING PAVED SURFACES TO RECEIVE OVERLAY SHALL BE PREPARED IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)A.
3. DEPRESSIONS GREATER THAN 1/2" IN DEPTH SHALL BE FILLED AND COMPACTED WITH HOT MIX ASPHALT AS DIRECTED BY THE ENGINEER.
4. CONTRACTOR SHALL REPAIR PAVEMENT IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)E AND AS SHOWN IN THESE PLANS.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS.
6. ALL DRIVEWAYS TO REMAIN ACCESSIBLE AT THE END OF EACH SHIFT.
7. RESTORE DRIVEWAY AS SHOWN USING HMA OR CONCRETE. LIMITS TO BE DETERMINED BY THE ENGINEER.

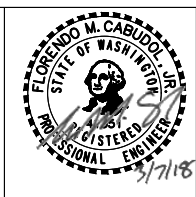


NO.	DATE	BY	APPR.	REVISION





**Public Works Department**  
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**CITY OF SEATAC**

**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**

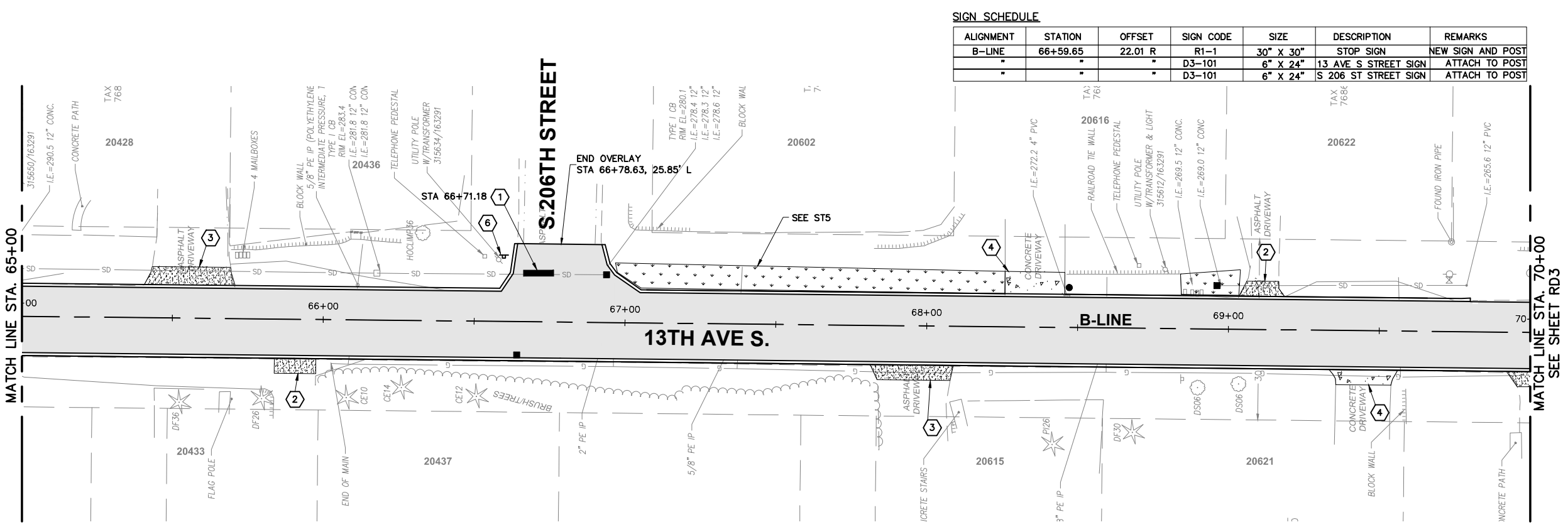
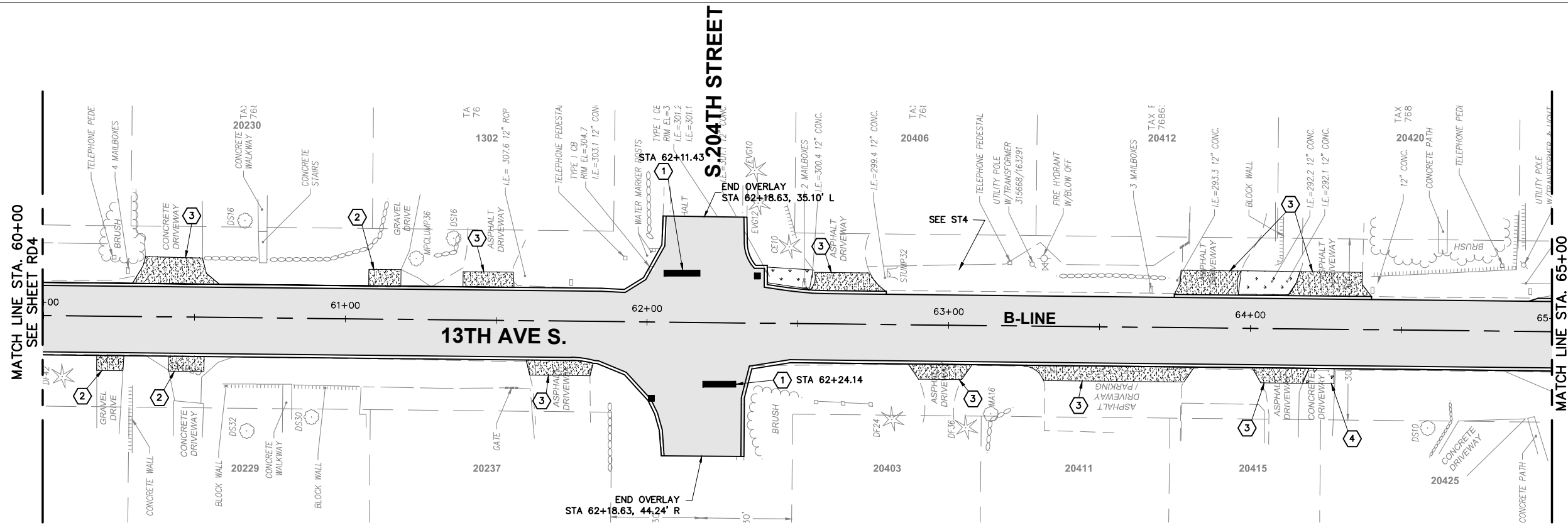
**ROADWAY PLANS**

DATE: 03/07/2018      SCALE: AS SHOWN      JOB # ST-886

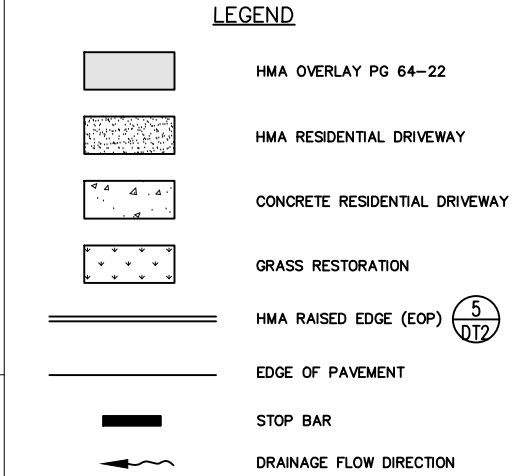
PLAN NO:  
**RD4**

**14 OF 23**

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- CONSTRUCTION NOTES:**
- ① 16" STOP BAR PER WSDOT STD DRAWING M-24.60-04
  - ② CONSTRUCT HMA DRIVEWAY (DT2) AT EX. GRAVEL DRIVEWAY
  - ③ OVERLAY EX. HMA DRIVEWAY IN LOCATION SHOWN (DT2)
  - ④ CONSTRUCT CONCRETE DRIVEWAY AT EX. CONCRETE DRIVEWAY (DT2)
  - ⑤ NOT USED
  - ⑥ NEW SIGN ASSEMBLY PER WSDOT STD PLAN G-22.10-03

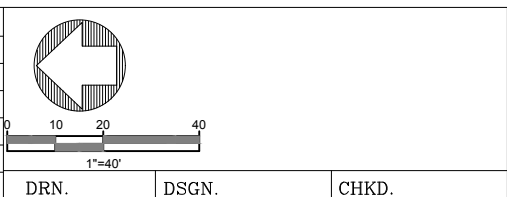


**SIGN SCHEDULE**

ALIGNMENT	STATION	OFFSET	SIGN CODE	SIZE	DESCRIPTION	REMARKS
B-LINE	66+59.65	22.01 R	R1-1	30" X 30"	STOP SIGN	NEW SIGN AND POST
			D3-101	6" X 24"	13 AVE S STREET SIGN	ATTACH TO POST
			D3-101	6" X 24"	S 206 ST STREET SIGN	ATTACH TO POST

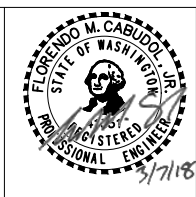
- GENERAL NOTES:**
1. EXISTING PAVEMENT MARKINGS IN OVERLAY AREAS SHALL BE OBLITERATED UNTIL BLEMMISHES CAUSED BY THE PAVEMENT MARKING REMOVAL CONFORM TO THE COLORATION OF THE ADJACENT PAVEMENT.
  2. EXISTING PAVED SURFACES TO RECEIVE OVERLAY SHALL BE PREPARED IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)A.
  3. DEPRESSIONS GREATER THAN 1/2" IN DEPTH SHALL BE FILLED AND COMPACTED WITH HOT MIX ASPHALT AS DIRECTED BY THE ENGINEER.
  4. CONTRACTOR SHALL REPAIR PAVEMENT IN ACCORDANCE WITH WSDOT STD SPECIFICATION 5-04.3(5)E AND AS SHOWN IN THESE PLANS.
  5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS.
  6. ALL DRIVEWAYS TO REMAIN ACCESSIBLE AT THE END OF EACH SHIFT.
  7. RESTORE DRIVEWAY AS SHOWN USING HMA OR CONCRETE. LIMITS TO BE DETERMINED BY THE ENGINEER.

NO.	DATE	BY	APPR.	REVISION



**Public Works Department**  
 William Appleton, P.E., Public Works Director  
 Florendo Cabudol, P.E., City Engineer

4800 South 188th Street, SeaTac, Wa 98188-8605  
 Telephone: (206) 973-4720, Engineering Division



**CITY OF SEATAC**

**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**

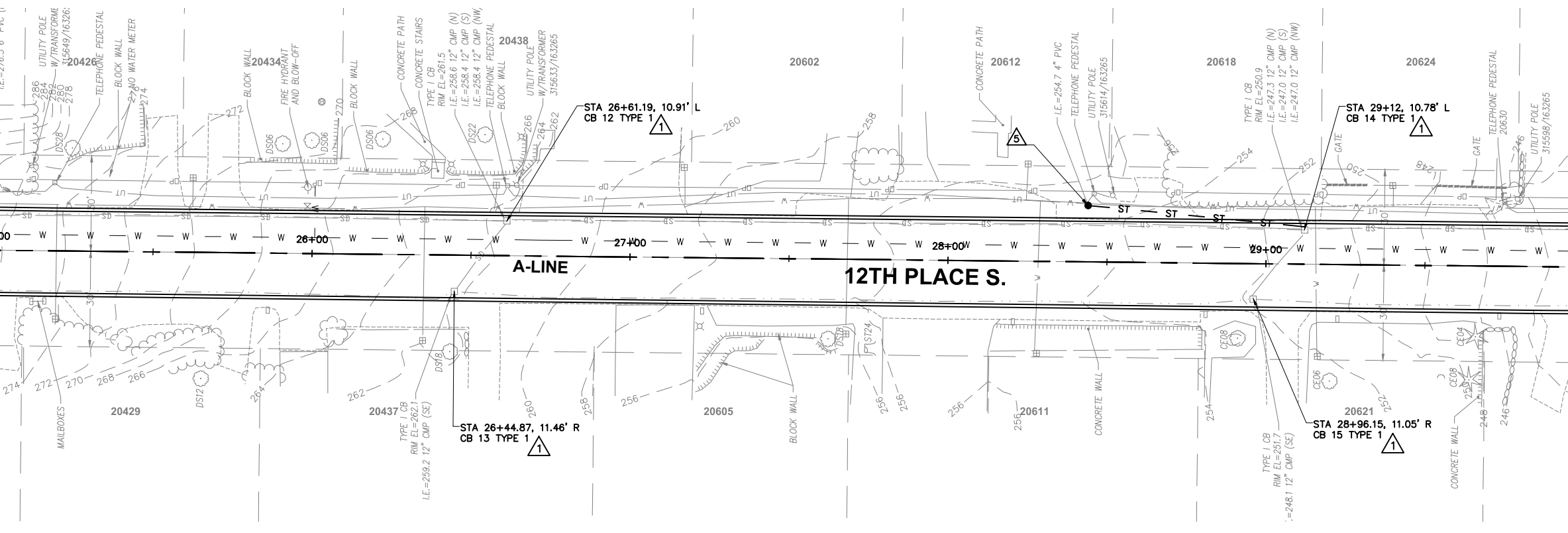
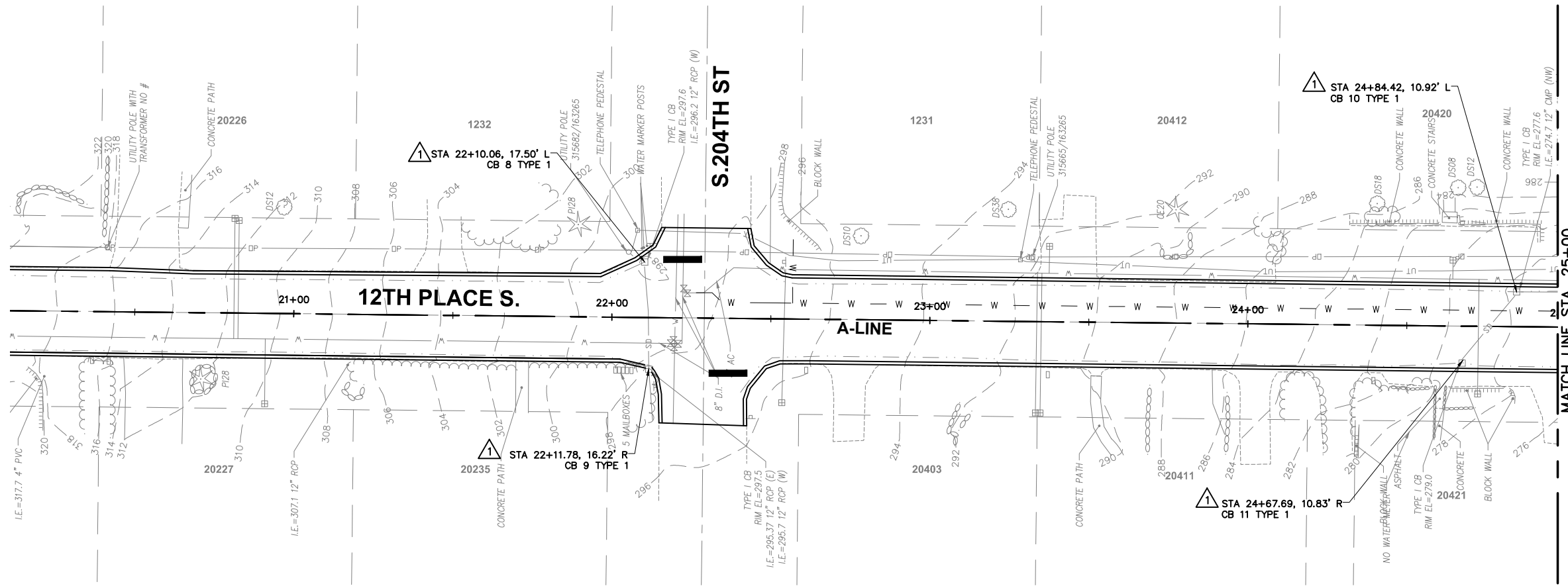
**ROADWAY PLANS**

DATE: 03/07/2018    SCALE: AS SHOWN    JOB # ST-886

PLAN NO:  
**RD5**

**15 OF 23**

\\DATA02\DATA\PUBLICWORKS\ENGINEERING\ST - STREET PROJECTS\ST-886-2017 OVERLAYS\12TH13TH\DESIGN\CAD\SHEETS\ST-886 STORM PP.DWG.3/6/2018 3:15:10 PM.COLUM LANG

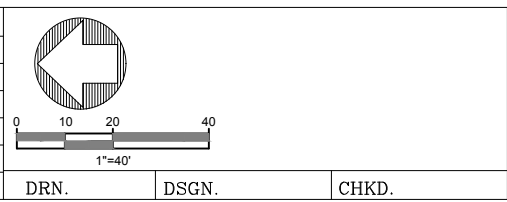



- STORM DRAIN NOTES:**
- 1. REPLACE CB FRAME AND GRATE AND ADJUST TO GRADE 7
  - 5. INSTALL AREA DRAIN AND CONNECT EX SERVICE DRAINS W/ 6" PVC PIPE

- LEGEND**
- AREA DRAIN
  - CATCH BASIN TYPE 1 OR 1L
  - ⊙ CATCH BASIN TYPE 2
  - W — W — EXISTING WATER
  - ST — ST — PROPOSED STORM LINE
  - W — W — PROPOSED WATER LINE (SHOWN FOR REFERENCE ONLY)

- STORM WATER GENERAL NOTES:**
1. CONTRACTOR SHALL LOCATE ALL EXISTING SERVICE DRAINS, DOWNSPOUT CONNECTIONS AND AREA DRAINS.
  2. DRAINAGE STRUCTURE SHALL CONFORM TO THE DETAILS IN THE PLANS OR WSDOT STANDARD PLANS.
  3. FOR CATCH BASINS LOCATED AGAINST CURBS, DEPRESS RIMS 1/2" AS DETAILED. OFFSETS IN THE DRAINAGE PLANS IS TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
  4. ALL CATCH BASINS SHALL BE INSTALLED WITH VANED GRATES UNLESS OTHERWISE NOTED.
  5. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 7-08 OF THE WSDOT/APWA STANDARD SPECIFICATIONS UNLESS SHOWN DIFFERENTLY IN THE PLAN AND IN THE SPECIAL PROVISIONS.

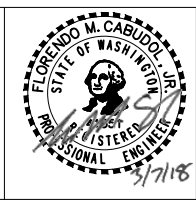
NO.	DATE	BY	APPR.	REVISION





**Public Works Department**  
 William Appleton, P.E., Public Works Director  
 Florendo Cabudol, P.E., City Engineer

4800 South 188th Street, SeaTac, Wa 98188-8605  
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**CITY OF SEATAC**

**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**

**DRAINAGE PLAN AND PROFILE**

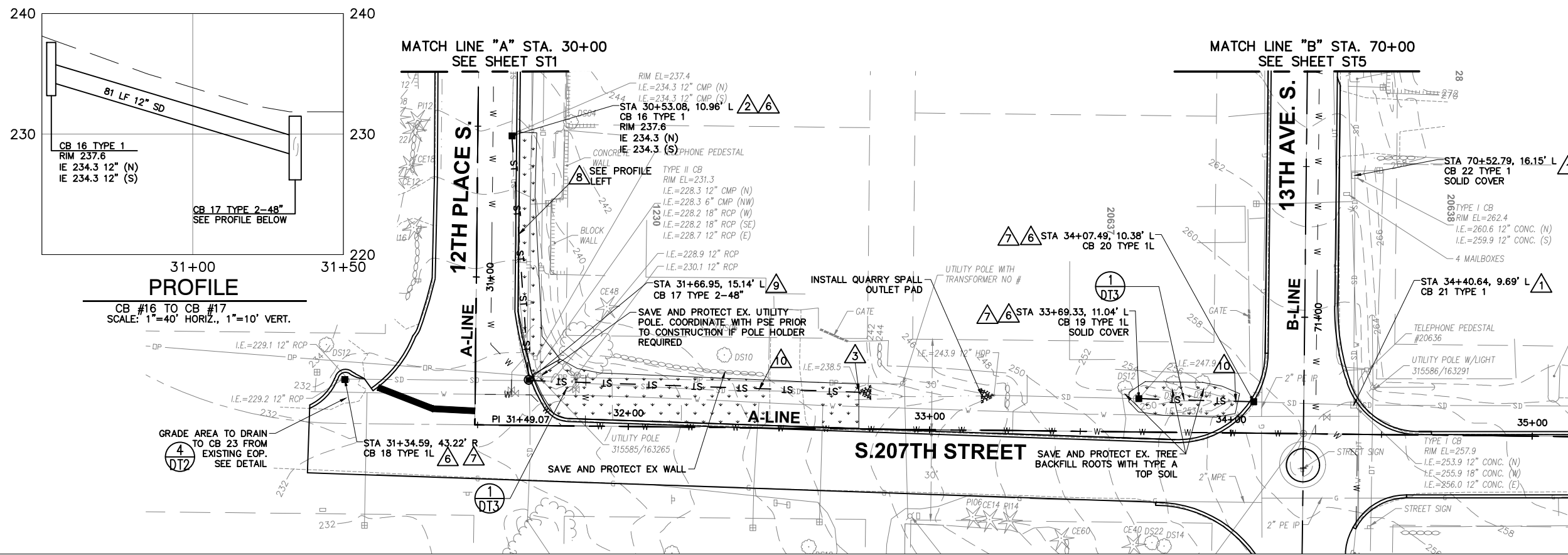
DATE: 03/07/2018      SCALE: AS SHOWN      JOB # ST-886

PLAN NO:  
**ST1**

**16 OF 23**



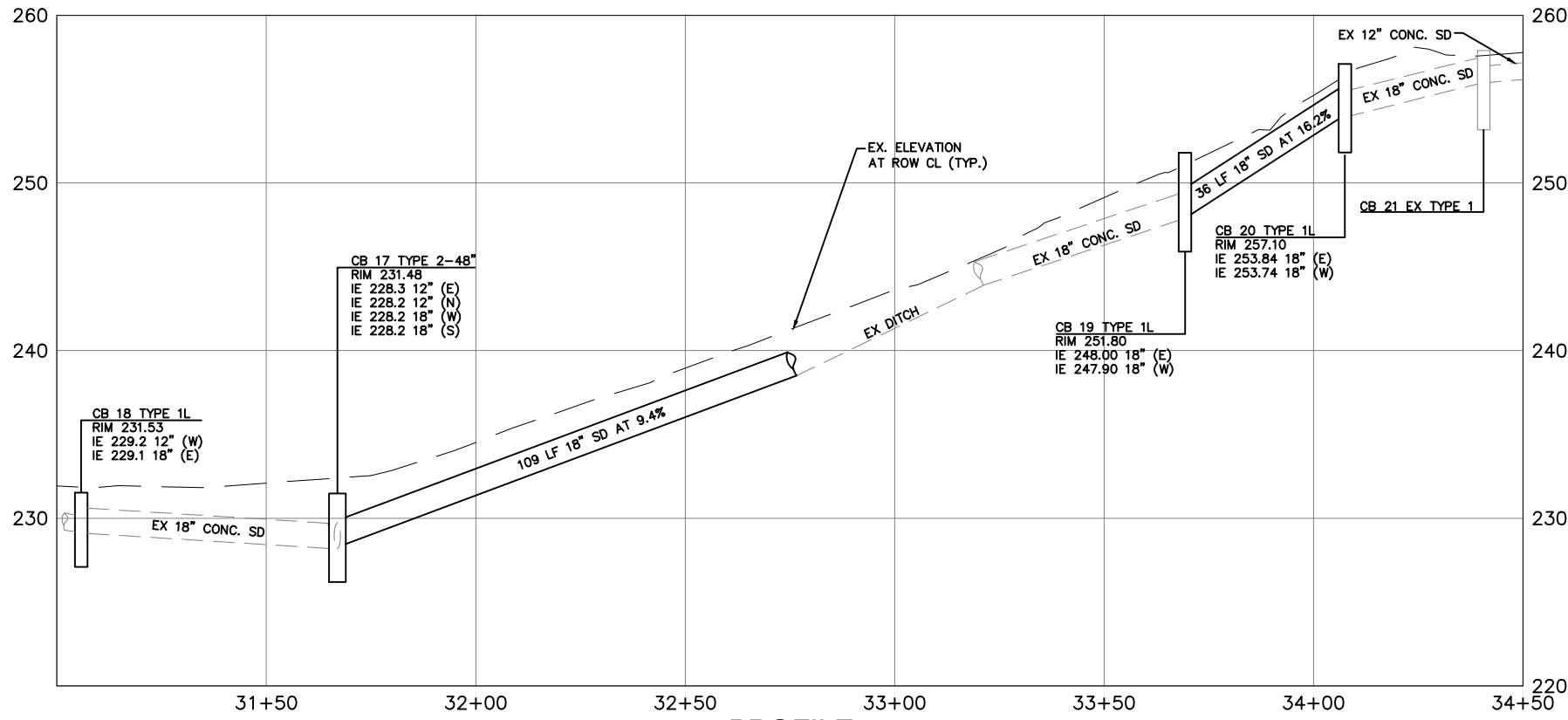
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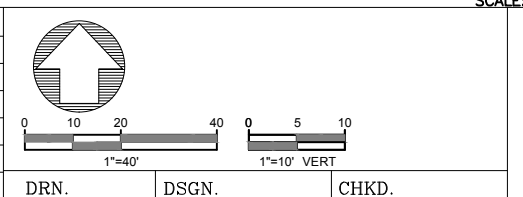
- STORM DRAIN NOTES:**
- 1 REPLACE CB FRAME AND GRATE AND ADJUST TO GRADE (DT2)
  - 2 INSTALL CB TYPE 1 CB WITH VANED GRATE PER WSDOT STD PLAN B-5.20-01
  - 3 BEVELED END SECTION (DT1) AND WSDOT SPECIFICATION 7-02.4
  - 4 NOT USED
  - 5 NOT USED
  - 6 CONNECT TO EX. STORM DRAIN PIPE
  - 7 INSTALL CB TYPE 1L WITH VANED GRATE PER WSDOT STD PLAN B-5.40-02
  - 8 INSTALL 12" POLYPROPYLENE PIPE IN LOCATIONS SHOWN
  - 9 INSTALL 48" TYPE II PER WSDOT STD PLAN B-10.20-01 WITH FRAME AND VANED GRATE
  - 10 INSTALL 18" POLYPROPYLENE PIPE IN LOCATION SHOWN

- LEGEND**
- AREA DRAIN
  - CATCH BASIN TYPE 1 OR 1L
  - ⊙ CATCH BASIN TYPE 2
  - W — W — EXISTING WATER
  - ST — ST — PROPOSED STORM LINE
  - W — W — PROPOSED WATER LINE (SHOWN FOR REFERENCE ONLY)

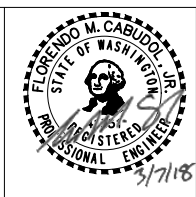
- STORM WATER GENERAL NOTES:**
1. CONTRACTOR SHALL LOCATE ALL EXISTING SERVICE DRAINS, DOWNSPOUT CONNECTIONS AND AREA DRAINS.
  2. DRAINAGE STRUCTURE SHALL CONFORM TO THE DETAILS IN THE PLANS OR WSDOT STANDARD PLANS.
  3. FOR CATCH BASINS LOCATED AGAINST CURBS, DEPRESS RIMS 1/2" AS DETAILED. OFFSETS IN THE DRAINAGE PLANS IS TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
  4. ALL CATCH BASINS SHALL BE INSTALLED WITH VANED GRATES UNLESS OTHERWISE NOTED.
  5. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 7-08 OF THE WSDOT/APWA STANDARD SPECIFICATIONS UNLESS SHOWN DIFFERENTLY IN THE PLAN AND IN THE SPECIAL PROVISIONS.



NO.	DATE	BY	APPR.	REVISION

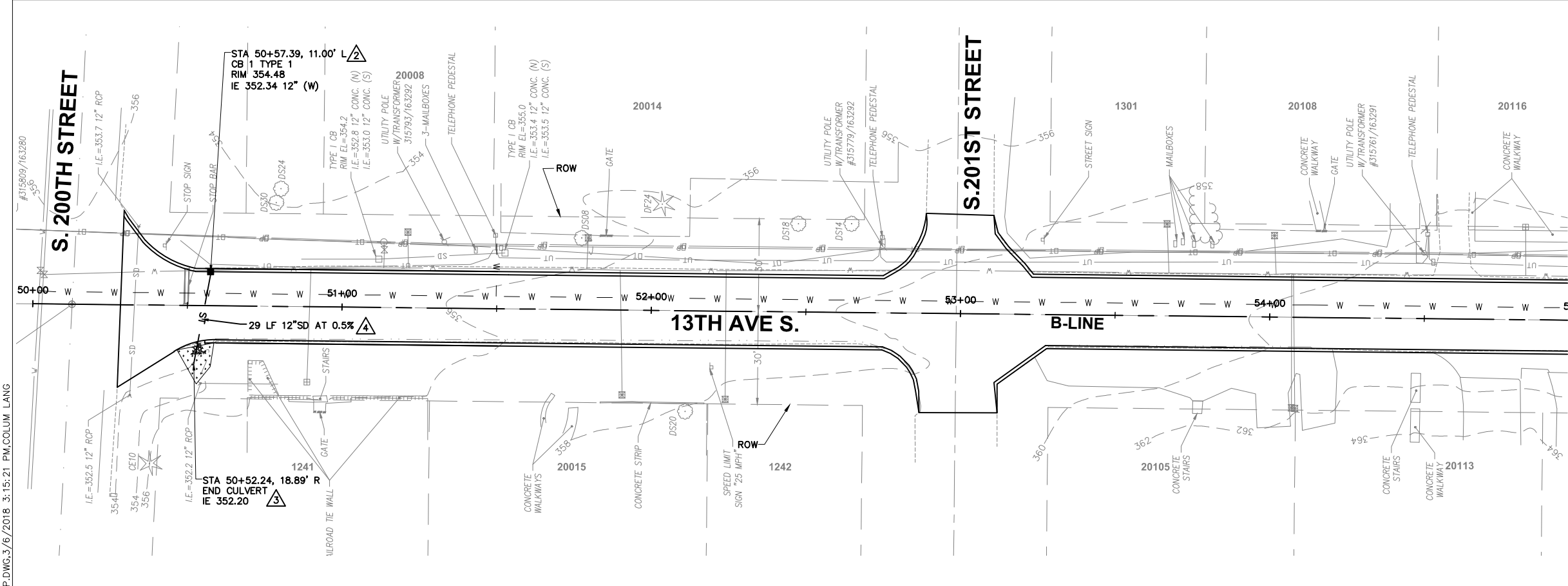


**CITY OF SEATAC**  
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**CITY OF SEATAC**  
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**DRAINAGE PLAN AND PROFILE**  
 DATE: 03/07/2018    SCALE: AS SHOWN    JOB # ST-886

PLAN NO:  
**ST2**  
 17 OF 23

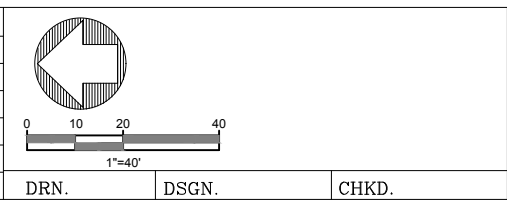


- STORM DRAIN NOTES:**
- 1 NOT USED
  - 2 INSTALL CB TYPE 1 CB WITH VANED GRATE PER WSDOT STD PLAN B-5.20-01
  - 3 BEVELED END SECTION SPECIFICATION 7-02.4 AND WSDOT SPECIFICATION 7-02.4
  - 4 INSTALL 12" DUCTILE IRON PIPE IN THE LOCATION SHOWN

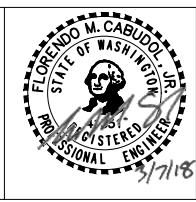
- LEGEND**
- AREA DRAIN
  - CATCH BASIN TYPE 1 OR 1L
  - ⊙ CATCH BASIN TYPE 2
  - W — W — EXISTING WATER
  - ST — ST — PROPOSED STORM LINE
  - W — W — PROPOSED WATER LINE (SHOWN FOR REFERENCE ONLY)

- STORM WATER GENERAL NOTES:**
1. CONTRACTOR SHALL LOCATE ALL EXISTING SERVICE DRAINS, DOWNSPOUT CONNECTIONS AND AREA DRAINS.
  2. DRAINAGE STRUCTURE SHALL CONFORM TO THE DETAILS IN THE PLANS OR WSDOT STANDARD PLANS.
  3. FOR CATCH BASINS LOCATED AGAINST CURBS, DEPRESS RIMS 1/2" AS DETAILED. OFFSETS IN THE DRAINAGE PLANS IS TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
  4. ALL CATCH BASINS SHALL BE INSTALLED WITH VANED GRATES UNLESS OTHERWISE NOTED.
  5. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 7-08 OF THE WSDOT/APWA STANDARD SPECIFICATIONS UNLESS SHOWN DIFFERENTLY IN THE PLAN AND IN THE SPECIAL PROVISIONS.

NO.	DATE	BY	APPR.	REVISION



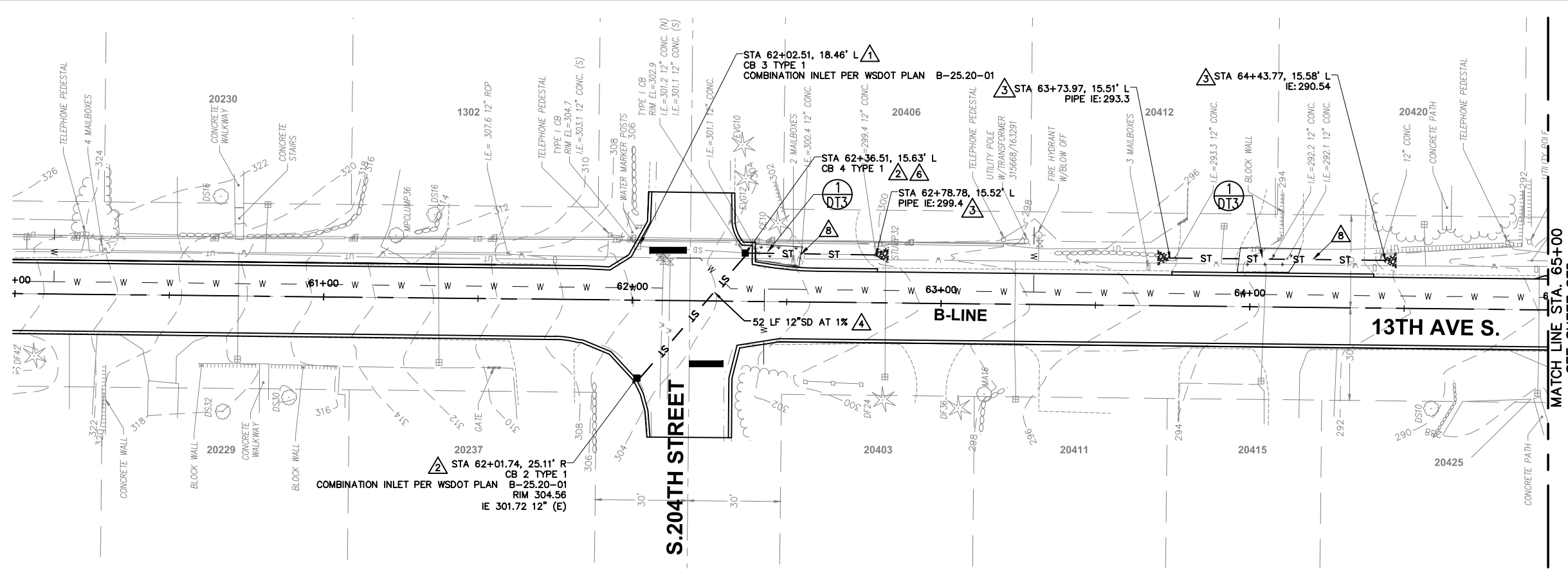
**CITY OF SEATAC**  
**Public Works Department**  
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 Florendo Cabudol, P.E., City Engineer  
 4800 South 188th Street, SeaTac, Wa 98188-8605  
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**CITY OF SEATAC**  
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**DRAINAGE PLAN AND PROFILE**  
 DATE: 03/07/2018      SCALE: AS SHOWN      JOB # ST-886

PLAN NO:  
**ST3**  
 18 OF 23

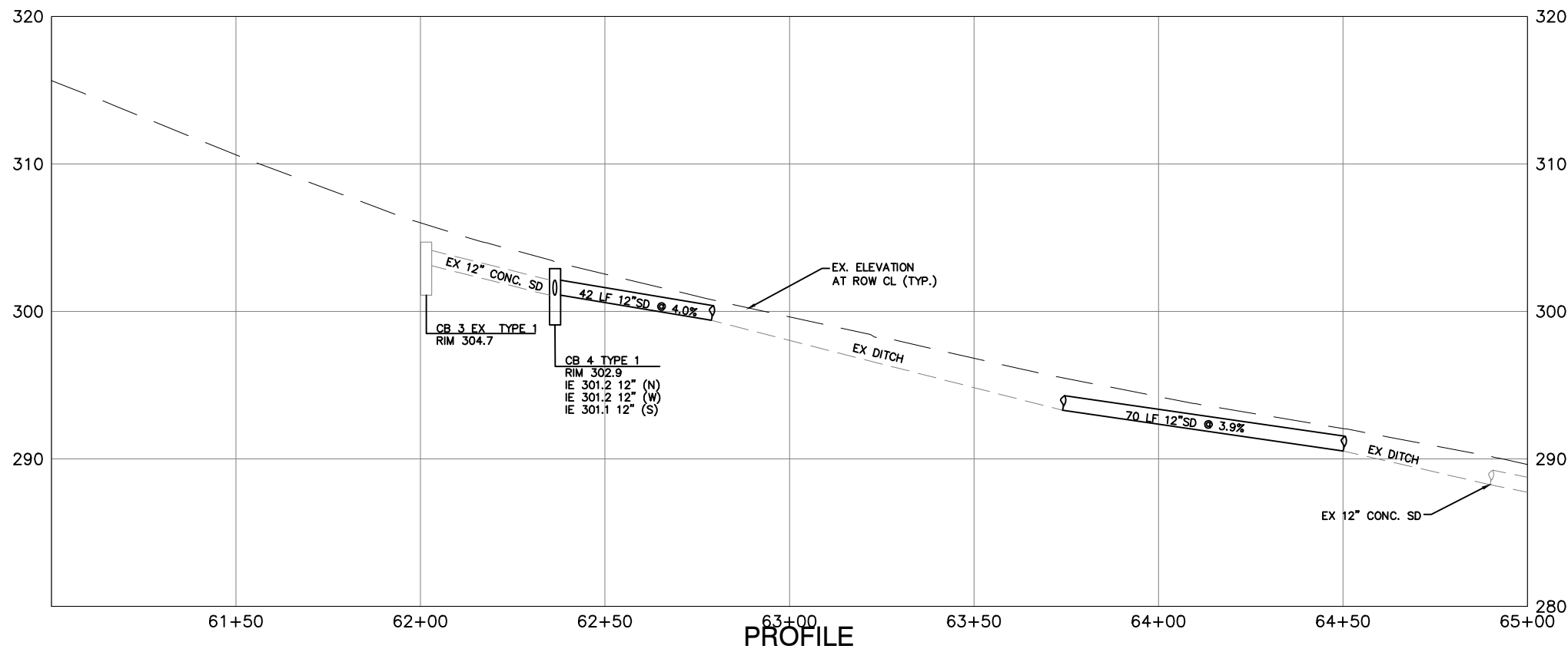
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- STORM DRAIN NOTES:**
- 1 REPLACE CB FRAME AND GRATE AND ADJUST TO GRADE
  - 2 INSTALL CB TYPE 1 CB WITH VANED GRATE PER WSDOT STD PLAN B-5.20-01
  - 3 BEVELED END SECTION SPECIFICATION 7-02.4 AND WSDOT
  - 4 INSTALL 12" DUCTILE IRON PIPE IN THE LOCATION SHOWN
  - 5 NOT USED
  - 6 CONNECT TO EX. STORM DRAIN PIPE
  - 7 NOT USED
  - 8 INSTALL 12" POLYPROPYLENE PIPE IN LOCATIONS SHOWN

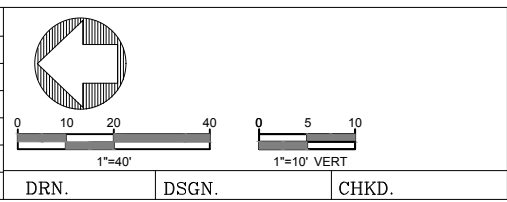
- LEGEND**
- AREA DRAIN
  - CATCH BASIN TYPE 1 OR 1L
  - ⊙ CATCH BASIN TYPE 2
  - W — W — EXISTING WATER
  - ST — ST — PROPOSED STORM LINE
  - W — W — PROPOSED WATER LINE (SHOWN FOR REFERENCE ONLY)

- STORM WATER GENERAL NOTES:**
1. CONTRACTOR SHALL LOCATE ALL EXISTING SERVICE DRAINS, DOWNSPOUT CONNECTIONS AND AREA DRAINS.
  2. DRAINAGE STRUCTURE SHALL CONFORM TO THE DETAILS IN THE PLANS OR WSDOT STANDARD PLANS.
  3. FOR CATCH BASINS LOCATED AGAINST CURBS, DEPRESS RIMS 1/2" AS DETAILED. OFFSETS IN THE DRAINAGE PLANS IS TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
  4. ALL CATCH BASINS SHALL BE INSTALLED WITH VANED GRATES UNLESS OTHERWISE NOTED.
  5. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 7-08 OF THE WSDOT/APWA STANDARD SPECIFICATIONS UNLESS SHOWN DIFFERENTLY IN THE PLAN AND IN THE SPECIAL PROVISIONS.

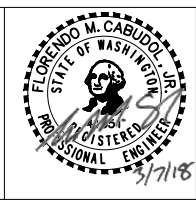


**PROFILE**  
 CB #3 TO CB #4  
 SCALE: 1"=40' HORIZ., 1"=10' VERT.

NO.	DATE	BY	APPR.	REVISION



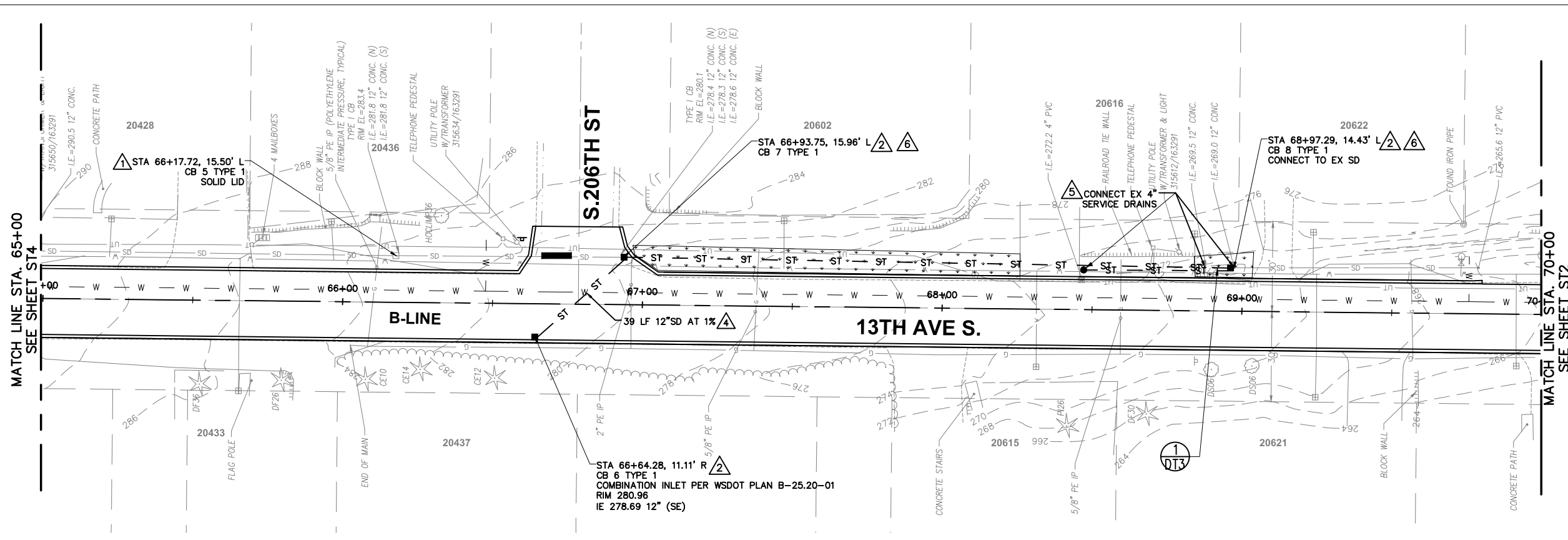
**CITY OF SEATAC**  
 Public Works Department  
 William Appleton, P.E., Public Works Director  
 Florendo Cabudol, P.E., City Engineer  
 4800 South 188th Street, SeaTac, Wa 98188-8605  
 Telephone: (206) 973-4720, Engineering Division



**CITY OF SEATAC**  
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**DRAINAGE PLAN AND PROFILE**  
 DATE: 03/07/2018    SCALE: AS SHOWN    JOB # ST-886

PLAN NO:  
**ST4**  
 19 OF 23

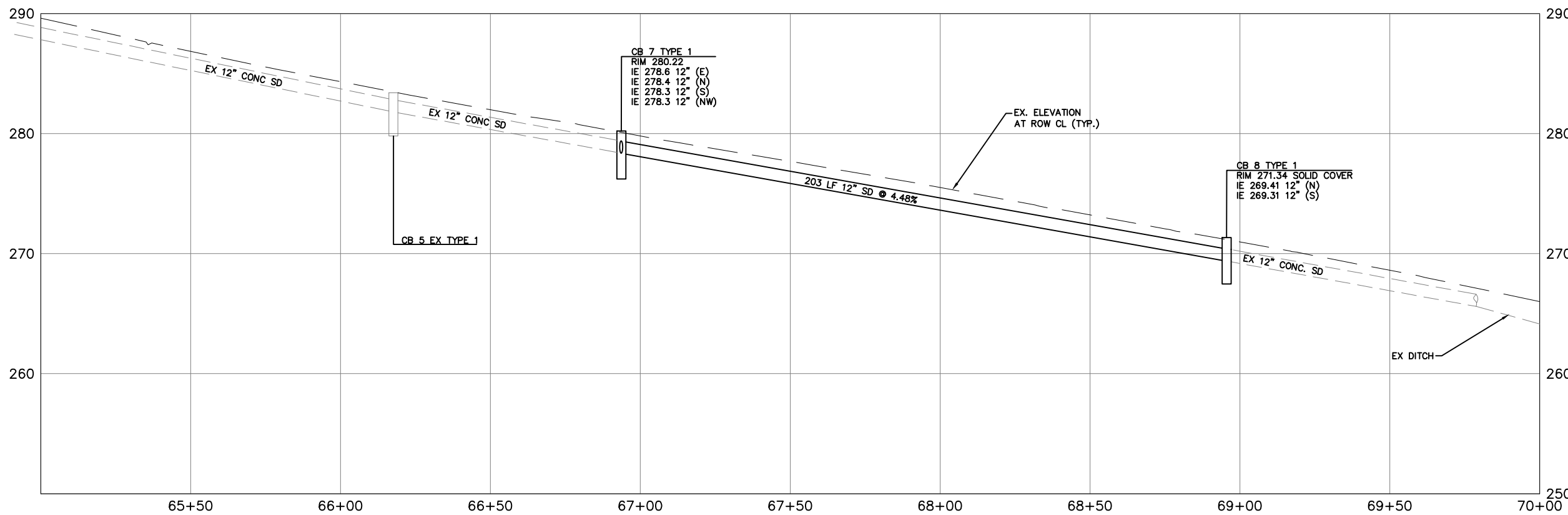
\\DATA02\DATA\PUBLICWORKS\ENGINEERING\ST - STREET PROJECTS\ST-886-2017 OVERLAYS\12TH\13TH\DESIGN\CAD\SHEETS\ST-886 STORM PP.DWG.3/6/2018 3:15:32 PM.COLUM LANG



- STORM DRAIN NOTES:**
- ① REPLACE CB FRAME AND GRATE AND ADJUST TO GRADE (DT2)
  - ② INSTALL CB TYPE 1 CB WITH VANED GRATE PER WSDOT STD PLAN B-5.20-01
  - ③ BEVELED END SECTION PER WSDOT SPECIFICATION 7-02.4 (DT1)
  - ④ INSTALL 12" DUCTILE IRON PIPE IN THE LOCATION SHOWN
  - ⑤ INSTALL YARD DRAIN AND CONNECT EX SERVICE DRAINS
  - ⑥ CONNECT TO EX. STORM DRAIN PIPE
  - ⑦ NOT USED

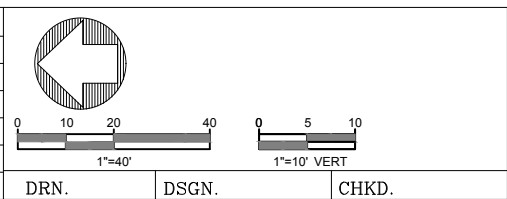
- LEGEND**
- AREA DRAIN
  - CATCH BASIN TYPE 1 OR 1L
  - ⊙ CATCH BASIN TYPE 2
  - W — W — EXISTING WATER
  - ST — ST — PROPOSED STORM LINE
  - W — W — PROPOSED WATER LINE (SHOWN FOR REFERENCE ONLY)

- STORM WATER GENERAL NOTES:**
1. CONTRACTOR SHALL LOCATE ALL EXISTING SERVICE DRAINS, DOWNSPOUT CONNECTIONS AND AREA DRAINS.
  2. DRAINAGE STRUCTURE SHALL CONFORM TO THE DETAILS IN THE PLANS OR WSDOT STANDARD PLANS.
  3. FOR CATCH BASINS LOCATED AGAINST CURBS, DEPRESS RIMS 1/2" AS DETAILED. OFFSETS IN THE DRAINAGE PLANS IS TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
  4. ALL CATCH BASINS SHALL BE INSTALLED WITH VANED GRATES UNLESS OTHERWISE NOTED.
  5. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 7-08 OF THE WSDOT/APWA STANDARD SPECIFICATIONS UNLESS SHOWN DIFFERENTLY IN THE PLAN AND IN THE SPECIAL PROVISIONS.

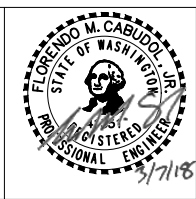


**PROFILE**  
 CB #7 TO CB #8  
 SCALE: 1"=40' HORIZ., 1"=10' VERT.

NO.	DATE	BY	APPR.	REVISION



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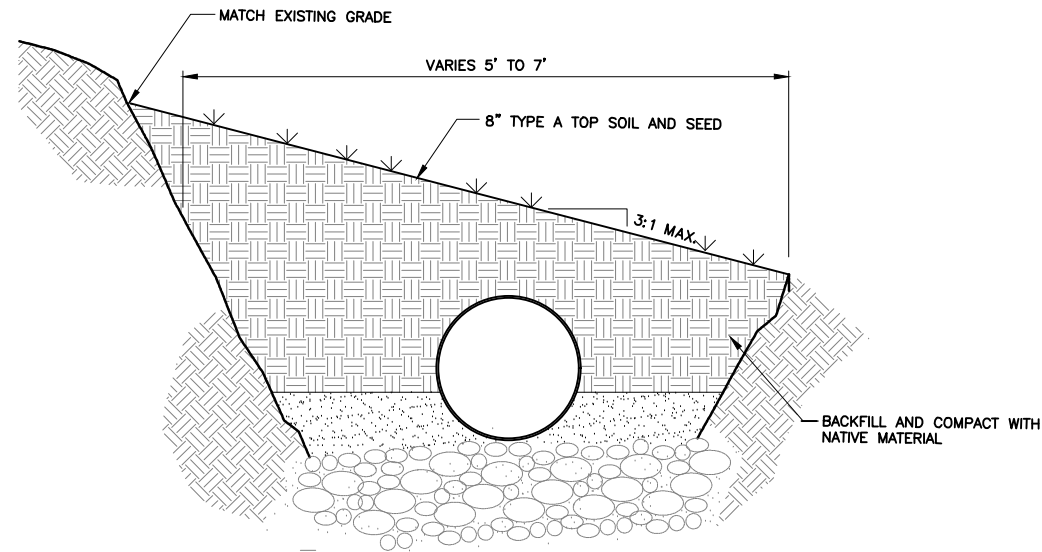
**CITY OF SEATAC**  
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**DRAINAGE PLAN AND PROFILE**  
 DATE: 03/07/2018    SCALE: AS SHOWN    JOB # ST-886

PLAN NO:  
**ST5**  
 20 OF 23

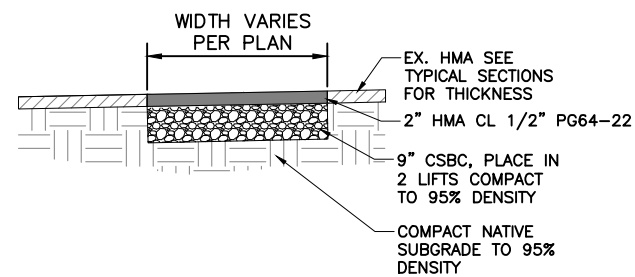




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**DITCH FILL GRADING SECTION** (1)  
NTS



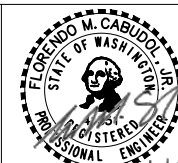
**PAVEMENT REPAIR DETAIL** (2)  
NTS

NO.	DATE	BY	APPR.	REVISION

DRN.      DSGN.      CHKD.



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**CITY OF SEATAC**  
**12TH PL S. & 13TH AVE S. OVERLAY PROJECT**  
**MISCELLANEOUS DETAILS**

DATE: 03/07/2018      SCALE: NOT TO SCALE      JOB # ST-886

PLAN NO:  
**DT3**  
**23 OF 23**