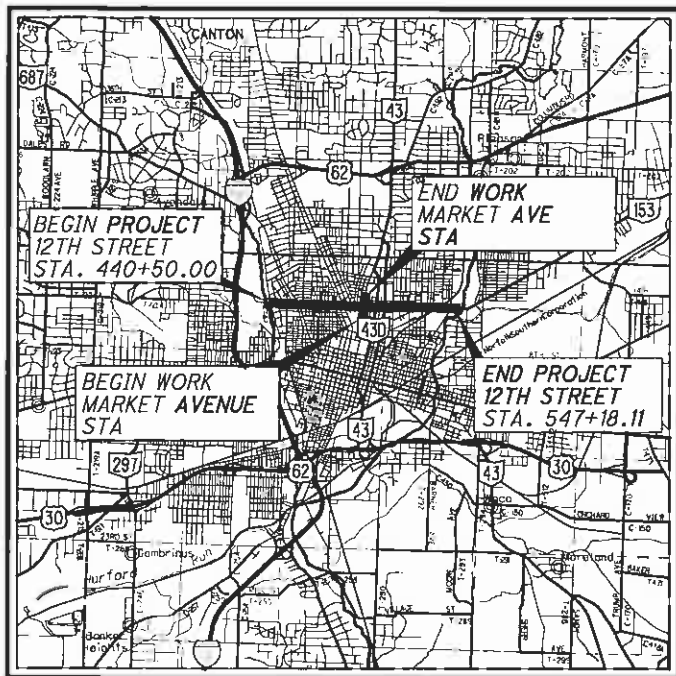


STATE OF OHIO  
CITY OF CANTON

STA-12TH STREET  
STA-153-0.00



LOCATION MAP

LATITUDE: 40°48'33" LONGITUDE: 81°22'19"

SCALE IN MILES



PORTION TO BE IMPROVED	-----
INTERSTATE HIGHWAY	-----
FEDERAL ROUTES	-----
STATE ROUTES	-----
COUNTY & TOWNSHIP ROADS	-----
OTHER ROADS	-----

DESIGN DESIGNATION

	12TH STREET MONUMENT RD TO FULTON RD	12TH STREET FULTON RD TO SHORB AVE	12TH STREET SHORB AVE TO McKINLEY AVE	12TH STREET McKINLEY AVE TO MARKET AVE	12TH STREET/SR 153 MARKET AVE TO CHERRY AVE	12TH STREET/SR 153 CHERRY AVE TO MAHONING RD
CURRENT ADT (2015)	9,740	13,540	14,000	13,800	15,620	12,500
DESIGN YEAR ADT (2035)	10,440	13,720	14,000	13,800	15,620	12,500
DESIGN HOURLY VOLUME (2035)	1,040	1,370	1,400	1,380	1,560	1,250
DIRECTIONAL DISTRIBUTION	57%	51%	52%	55%	54%	60%
TRUCKS (24 HOUR B&C)	3%	4%	5%	4%	3%	3%
DESIGN SPEED	40 MPH	40 MPH	40 MPH	40 MPH	40 MPH	40 MPH
LEGAL SPEED	35 MPH	35 MPH	35 MPH	35 MPH	35 MPH	35 MPH

DESIGN FUNCTIONAL CLASSIFICATION:  
URBAN PRINCIPAL ARTERIAL  
NHS PROJECT ----- NO

DESIGN EXCEPTIONS

NONE REQUIRED

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES  
CALL TWO WORKING DAYS  
BEFORE YOU DIG  
  
CALL  
1-800-362-2764  
(TOLL FREE)  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS  
MUST BE CALLED DIRECTLY  
  
OIL & GAS PRODUCERS PROTECTIVE  
SERVICE CALL: 1-800-925-0988

PLAN PREPARED BY:



INDEX OF SHEETS:

TITLE SHEET	NO.	DESCRIPTION	NO.
SCHEMATIC PLAN	2-4	CROSS SECTIONS - 12TH STREET	47-196
TYPICAL SECTIONS	5-10	CROSS SECTIONS - MONUMENT AVENUE	197-198
GENERAL NOTES	11	CROSS SECTIONS - MARKET AVENUE	*
MAINTENANCE OF TRAFFIC	12-23	CROSS SECTIONS - GIBBS AVENUE	199-201
GENERAL SUMMARY	**	REMOVAL PLANS	*
SUBSUMMARIES	**	MAJOR INTERSECTION DETAILS	202-212
CALCULATIONS	**	DRIVE DETAILS	213-238
PROJECT SITE PLAN	**	SIDE ROAD PROFILES	239-249
PLAN AND PROFILE - 12TH STREET	24-45	MISCELLANEOUS DETAILS	250-293
PLAN AND PROFILE - MARKET AVENUE	*	TRAFFIC CONTROL	294-317
PLAN AND PROFILE - GIBBS AVENUE	46	LIGHTING AND STREETSCAPE PLANS	*
		LIGHTING AND STREETSCAPE DETAILS	*

\* PROVIDED AT STAGE 2  
\*\* PROVIDED AT STAGE 3

2010 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVED THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

ENGINEERS SEAL:

SIGNED: \_\_\_\_\_  
DATE: \_\_\_\_\_

ENGINEERS SEAL:

SIGNED: \_\_\_\_\_  
DATE: \_\_\_\_\_

STAGE 1 - OCTOBER 2011

	STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ CANTON CITY ENGINEER

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299G1001.dgn 10/6/2011 3:32:15 PM dcbarhart\ DOTVBI\_PDF\_Half.plt cfg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

FEDERAL PROJECT NO. \_\_\_\_\_  
PID NO. 85299  
CONSTRUCTION PROJECT NO. \_\_\_\_\_  
RAILROAD INVOLVEMENT METRO RTA WHEELING AND LAKE ERIE RAILWAY COMPANY  
STA-12TH STREET  
1  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299B001.dgn 10/6/2011 3:32:18 PM debarhart ODOT\B\1\_PDF\_Half.plt\c\g ODOT\B\1\_Pen-ME.tbl M-E Companies, Inc.

**CURVE DATA RAILROAD**  
P.I. Sta. 3047+71.66  
 $\Delta = 10^\circ 09' 00''$  (LT)  
Dc = 0° 30' 00"  
R = 11,459.22'  
T = 1,017.66'  
L = 2,030.00'  
E = 45.10'  
C = 2,027.35'  
C.B. = S 11° 35' 37" E

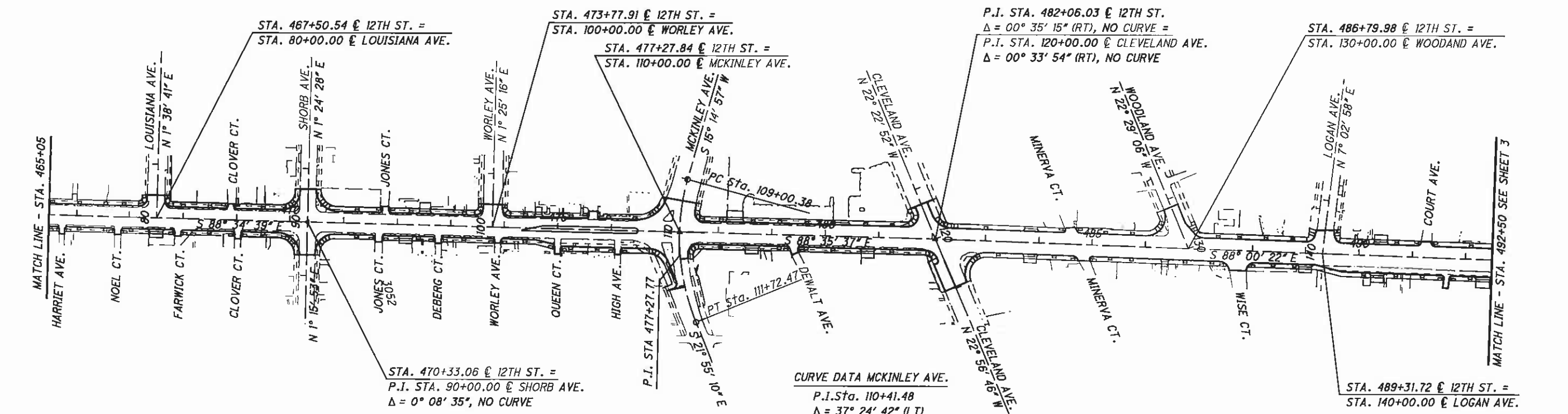
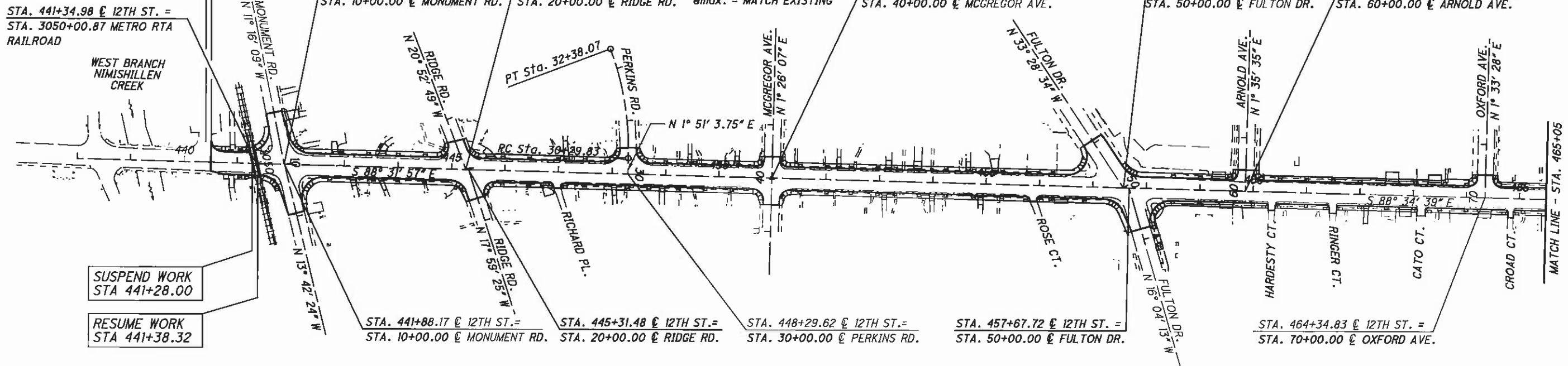
**BEGIN WORK**  
STA 440+40.00

**BEGIN PROJECT**  
STA-12TH STREET  
STA 440+50.00

FEDERAL No.

**CURVE DATA - PERKINS ROAD**  
P.I. Sta. 31+35.30  
 $\Delta = 22^\circ 25' 46''$  (LT)  
Dc = 10° 46' 16"  
R = 531.94'  
T = 105.47'  
L = 208.24'  
E = 10.36'  
C = 206.91'  
C.B. = N 9° 21' 50" W  
emax. = MATCH EXISTING

FOR CONTROL POINTS AND BENCHMARKS, SEE SHEET 4



STA. 470+33.06 @ 12TH ST. =  
P.I. STA. 90+00.00 @ SHORB AVE.  
 $\Delta = 0^\circ 08' 35''$ , NO CURVE

P.I. STA. 477+27.77 @ R/W 12TH ST.  
 $\Delta = 0^\circ 00' 58''$  (LT)  
NO CURVE

**CURVE DATA MCKINLEY AVE.**  
P.I. Sta. 110+41.48  
 $\Delta = 37^\circ 24' 42''$  (LT)  
Dc = 13° 45' 00"  
R = 416.70'  
T = 141.09'  
L = 272.09'  
E = 23.24'  
C = 267.28'  
C.B. = S 3° 27' 24" E  
emax. = MATCH EXISTING

P.I. STA. 482+06.03 @ 12TH ST.  
 $\Delta = 00^\circ 35' 15''$  (RT), NO CURVE =  
P.I. STA. 120+00.00 @ CLEVELAND AVE.  
 $\Delta = 00^\circ 33' 54''$  (RT), NO CURVE

STA. 486+79.98 @ 12TH ST. =  
STA. 130+00.00 @ WOODLAND AVE.

STA. 489+31.72 @ 12TH ST. =  
STA. 140+00.00 @ LOGAN AVE.

SCHEMATIC PLAN  
STA 440+00 TO STA 492+50

2  
317

HORIZONTAL SCALE IN FEET  
0 50 100 200

CALCULATED  
KOD  
CHECKED

J:\TS\11-060 12th Street\STA\B52999\roadway\sheets\B52999B002.dgn 10/6/2011 3:32:20 PM dcbarhart\ ODOTVBI\_PDF\_Hdr.plt cdbarnhart\ ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

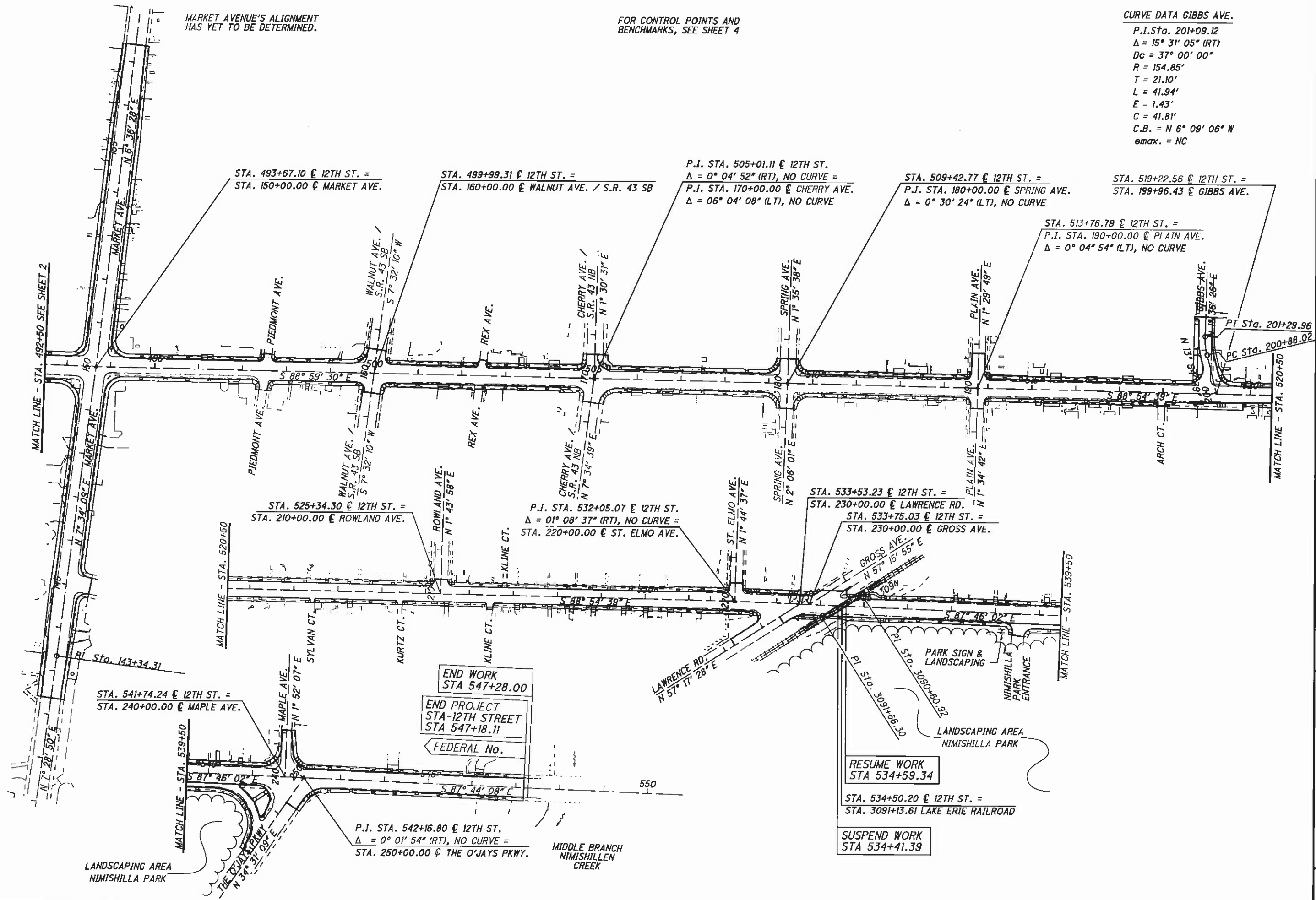
MARKET AVENUE'S ALIGNMENT HAS YET TO BE DETERMINED.

FOR CONTROL POINTS AND BENCHMARKS, SEE SHEET 4

CURVE DATA GIBBS AVE.

P.I. Sta. 201+09.12  
Δ = 15° 31' 05" (RT)  
Dc = 37° 00' 00"  
R = 154.85'  
T = 21.10'  
L = 41.94'  
E = 1.43'  
C = 41.81'  
C.B. = N 6° 09' 06" W  
emax. = NC

CALCULATED  
CHECKED  
0 50 100  
HORIZONTAL SCALE IN FEET



END WORK  
STA 547+28.00  
END PROJECT  
STA-12TH STREET  
STA 547+18.11  
FEDERAL No.

RESUME WORK  
STA 534+59.34

SUSPEND WORK  
STA 534+41.39

SCHEMATIC PLAN  
STA 492+50 TO STA 547+50

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\8529968003.dgn 10/6/2011 3:32:22 PM dcbarhart ODOTVBI\_PDF\_Half.plt c:\g ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

**CONTROL POINTS AND BENCHMARKS**

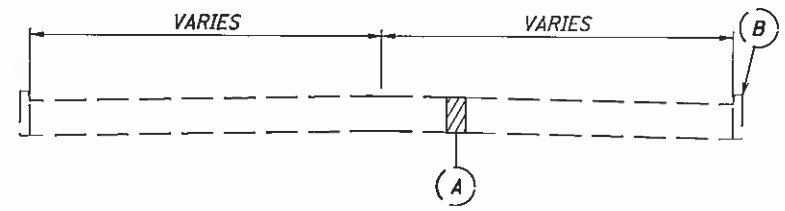
<p>BENCHMARK#1 (MN350) CHISELED "□" ON NORTHWEST CORNER OF CONCRETE BASE OF TRAFFIC SIGNAL BOX AT SOUTHWEST CORNER OF 12TH AND MONUMENT @STA. 441+73.04, 42.55' RIGHT @ 12TH STREET ELEV. 1034.48</p>	<p>BENCHMARK#11 (SV3196) CHISELED "□" ON NORTHWEST CORNER OF CONCRETE BASE OF BUSINESS SIGN ADDRESS #1330 ON EAST SIDE OF MARKET NORTH @STA. 157+19.01, 34.60' RIGHT @ MARKET AVENUE ELEV. 1099.72</p>
<p>BENCHMARK#2 (MN5485) CHISELED "X" ON SOUTHEAST ANCHOR BOLT OF METAL POWER POLE ON SOUTH SIDE OF 12TH, 50'± EAST OF RIDGE @STA. 446+27.52, 20.60' RIGHT @ 12TH STREET ELEV. 1059.47</p>	<p>BENCHMARK#12 (SV2301) MAG. NAIL SET 1'± UP EAST SIDE 18" LOCUST ON WEST SIDE OF MARKET, 100'± SOUTH OF DRIVE ENTRANCE TO CANTON CIVIC CENTER @STA. 142+11.70, 81.67' RIGHT @ MARKET AVENUE ELEV. 1081.73</p>
<p>BENCHMARK#3 (MN6724) R.R. SPIKE SET 1'± UP SOUTH SIDE 24" MAPLE ON NORTHEAST CORNER OF 12TH AND MCGREGOR @STA. 451+26.14, 26.29' LEFT @ 12TH STREET ELEV. 1066.95</p>	<p>BENCHMARK#13 (MN14965) CHISELED "X" ON NORTHEAST ANCHOR BOLT TRAFFIC SIGNAL POLE, SOUTHEAST CORNER OF 12TH AND WALNUT @STA. 500+23.72, 35.38' RIGHT @ 12TH STREET ELEV. 1078.59</p>
<p>BENCHMARK#4 (MN8013) CHISELED "X" ON SOUTH ANCHOR BOLT OF NORTH LEG OF "FAMILY DOLLAR" SIGN ON NORTHEAST CORNER OF 12TH AND FULTON @STA. 457+71.02, 51.68' LEFT @ 12TH STREET ELEV. 1069.35</p>	<p>BENCHMARK#16 (MN17361) MAG. NAIL SET 1'± UP NORTH SIDE 36" MAPLE ON EAST SIDE OF PLAIN, 75'± SOUTH OF 12TH @STA. 513+92.85, 79.15' RIGHT @ 12TH STREET ELEV. 1088.14</p>
<p>BENCHMARK#5 (MN8808) CHISELED "X" ON NORTHWEST ANCHOR BOLT OF 12TH STREET MARKET SIGN ON SOUTH SIDE OF 12TH AND WEST SIDE OF ALLEY @STA. 464+72.02, 29.45' RIGHT @ 12TH STREET ELEV. 1079.18</p>	<p>BENCHMARK#17 (MN18082) CHISELED "□" ON SOUTHWEST CORNER OF CONCRETE BASE TO ABANDONED SIGN AT NORTHEAST CORNER OF 12TH AND GIBBS @STA. 519+20.74, 30.70' LEFT @ 12TH STREET ELEV. 1091.83</p>
<p>BENCHMARK#6 (MN9762) CHISELED "□" ON SOUTHWEST CORNER OF BOTTOM STEP TO CANTON POLICE SUB-STATION ADDRESS #903 AT 12TH AND SHORB @STA. 469+69.88, 47.80' LEFT @ 12TH STREET ELEV. 1075.49</p>	<p>BENCHMARK#18 (MN19205) MAG. NAIL SET 1'± UP SOUTH SIDE 24" MAPLE, SOUTH SIDE OF 12TH AT HOUSE #1304 @STA. 525+87.15, 33.60' RIGHT @ 12TH STREET ELEV. 1088.53</p>
<p>BENCHMARK#7 (MN11361) CHISELED "□" ON SOUTHEAST CORNER OF CONCRETE BASE OF TRAFFIC SIGN POLE ON WEST SIDE OF MCKINLEY, 100'± NORTH OF 12TH @STA. 477+23.40, 148.55' LEFT @ 12TH STREET ELEV. 1081.55</p>	<p>BENCHMARK#19 (XXX) MAG. NAIL SET 2'± UP SOUTH SIDE 18" MAPLE, NORTH SIDE OF 12TH AT HOUSE #1423 @STA. XXX, XXX' RIGHT @ 12TH STREET ELEV. 1080.98</p>
<p>BENCHMARK#8 (MN13010) CHISELED "X" ON NORTHWEST ANCHOR BOLT OF PRIVATE LIGHT POLE ON SOUTH SIDE OF 12TH, 50'± EAST OF CLEVELAND AVE. @STA. 482+89.56, 30.49' RIGHT @ 12TH STREET ELEV. 1087.42</p>	<p>BENCHMARK#20 (MN20662) R.R. SPIKE SET 1'± UP NORTH SIDE 36" ASH, SOUTH SIDE OF 12TH, 200'± EAST OF TRACKS @STA. 536+08.90, 50.90' RIGHT @ 12TH STREET ELEV. 1049.41</p>
<p>BENCHMARK#9 (MN13425) MAG. NAIL SET 1'± UP SOUTH SIDE POWER POLE, 25'± NORTH OF 12TH, 125'± EAST OF WOODLAND @STA. 488+09.82, 65.81' LEFT @ 12TH STREET ELEV. 1086.39</p>	<p>BENCHMARK#21 (MN21495) MAG. NAIL SET 1'± UP SOUTH SIDE 24" CATAWBA, NORTH SIDE OF 12TH, WEST OF BRIDGE OVER NIMISHILLEN @STA. 547+56.31, 39.74' LEFT @ 12TH STREET ELEV. 1043.79</p>
<p>BENCHMARK#10 (MN1428) CHISELED "X" ON NORTH ANCHOR BOLT OF BUSINESS SIGN ON SOUTHWEST CORNER OF 12TH AND MARKET @STA. 493+16.65, 42.99' RIGHT @ 12TH STREET ELEV. 1084.13</p>	

CALCULATED  
CHECKED

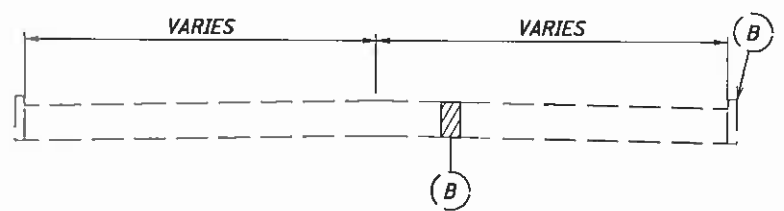
CONTROL POINTS AND BENCHMARKS

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299G\001.dgn 10/6/2011 3:32:24 PM dcbarhart ODOT\B5\_PDF\_Half.plt c:\g ODOT\B5\_Pen-ME.tbl M+E Companies, Inc.

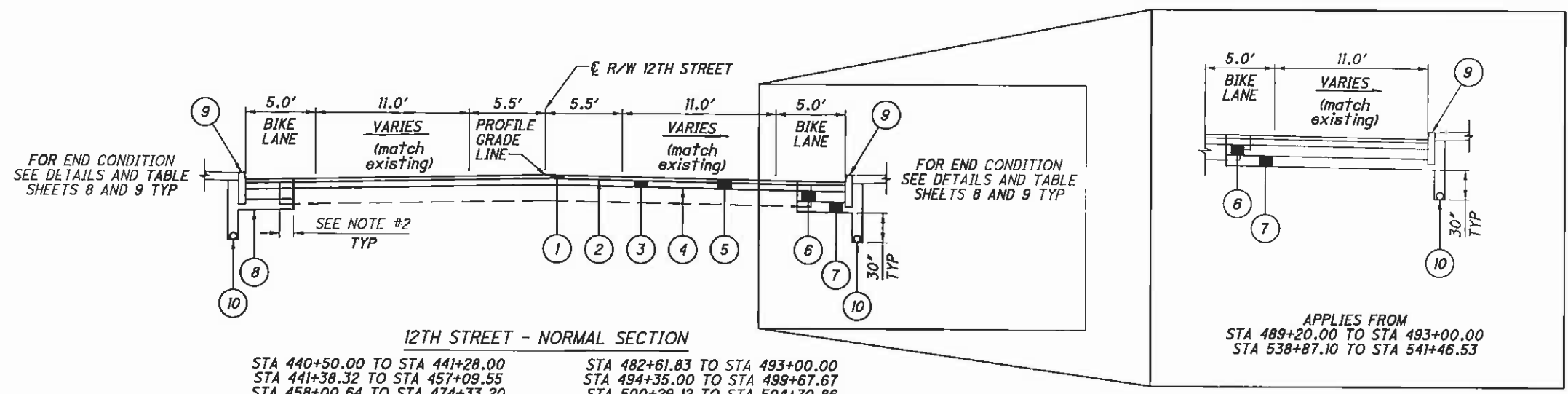


**EXISTING - BRICK**  
 PERKINS RD  
 ARNOLD AVE  
 PIEDMONT AVE NORTH  
 KLINE CT



**EXISTING - ASPHALT**  
 ALL ROADS EXCEPT AS NOTED  
 UNDER "EXISTING - BRICK" SECTION

- (A) EXISTING BRICK
- (B) EXISTING ASPHALT CONCRETE, 10"-12"
- (C) EXISTING CURB



**12TH STREET - NORMAL SECTION**

- |                                |                                |
|--------------------------------|--------------------------------|
| STA 440+50.00 TO STA 441+28.00 | STA 482+61.83 TO STA 493+00.00 |
| STA 441+38.32 TO STA 457+09.55 | STA 494+35.00 TO STA 499+67.67 |
| STA 458+00.64 TO STA 474+33.20 | STA 500+29.12 TO STA 504+70.86 |
| STA 477+59.84 TO STA 481+80.48 | STA 505+29.64 TO STA 519+04.55 |
| STA 482+61.83 TO STA 489+20.00 | STA 531+35.00 TO STA 532+43.00 |
| STA 477+59.84 TO STA 481+80.48 | STA 536+38.50 TO STA 541+36.41 |
|                                | STA 542+36.97 TO STA 547+18.11 |

**LEGEND - 12TH STREET**

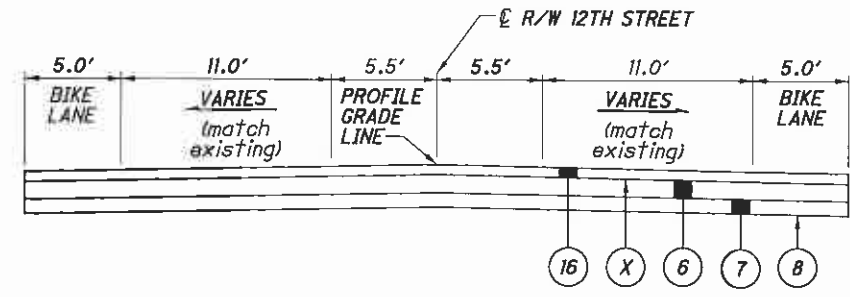
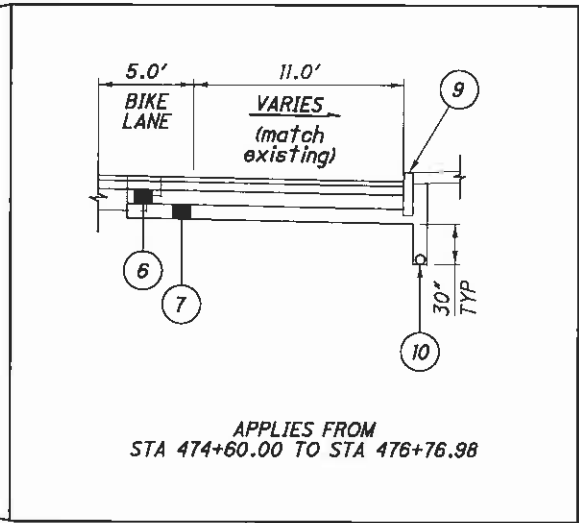
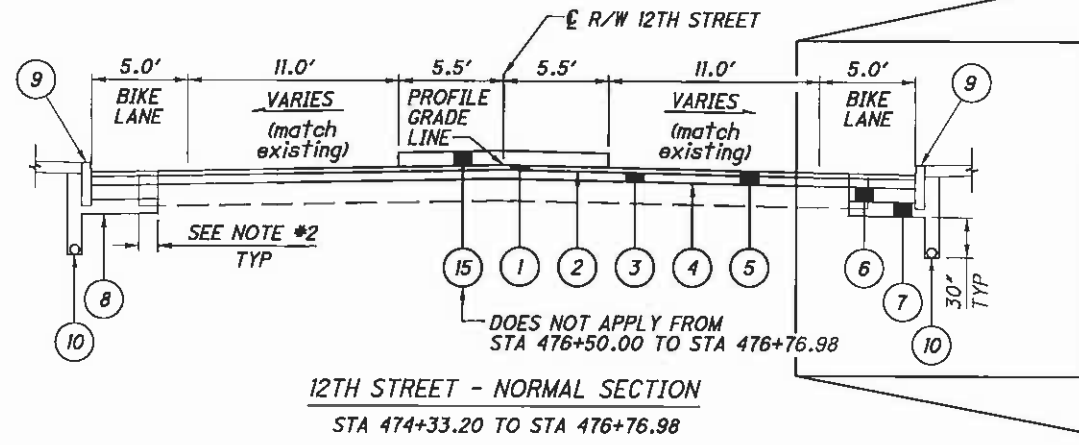
- |  |   |
|--|---|
| (1) ITEM 424 - 0.75" ASPHALT CONCRETE SURFACE COURSE, TYPE A               | (11) ITEM 609 - 4" CONCRETE WALK, AS PER PLAN. SEE NOTE 3 |
| (2) ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE                           | (12) ITEM 609 - 5" CONCRETE WALK, AS PER PLAN. SEE NOTE 3 |
| (3) ITEM 448 - 1.50" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-28 | (13) ITEM SPECIAL - BRICK WALKWAY PAVERS. SEE NOTE 3      |
| (4) ITEM 407 - TACK COAT   | (14) ITEM 659 - SEEDING AND MULCHING                      |
| (5) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, SEE NOTE # 1            | (15) ITEM 609 - CONCRETE TRAFFIC ISLAND                   |
| (6) ITEM 305 - 6" CONCRETE BASE  | (16) ITEM SPECIAL - ROADWAY BRICK PAVERS                  |
| (7) ITEM 304 - 6" AGGREGATE BASE, AS PER PLAN                              | (17) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT      |
| (8) ITEM 204 - SUBGRADE COMPACTION   | (18) ITEM 609 - CURB, TYPE B                              |
| (9) ITEM 609 - CURB, TYPE B  | (19) ITEM SPECIAL - LANDSCAPING WALL                      |
| (10) ITEM 605 - 6" BASE PIPE UNDERDRAINS                                   | (20) ITEM SPECIAL - CONCRETE KNEE WALL                    |

**NOTES:**

1. PAVEMENT PLANING SHALL BE A CONSTANT DEPTH OF 2.25" OR WITH THE EXCEPTION OF AREAS THAT PERTAIN TO NOTE # 2.
2. THE EXISTING PAVEMENT EDGES SHALL BE SAW CUT TO LOCATE A SOUND PAVEMENT EDGE PER SEC. 203.04(F) OF THE CMS. FOR ESTIMATING PURPOSES, PAVEMENT CALCULATIONS INCLUDED IN THE PLAN INDICATE AN AVERAGE WIDTH OF 1 FT. OF EXISTING PAVEMENT BEING REPLACED.
3. ITEM REFERENCE NUMBER 11 SHALL BE UTILIZED FROM STATION 440+50.00 TO STATION 457+57.19 AND FROM STATION 519+82.99 TO STATION 547+18.11. ITEM REFERENCE NUMBER 12 SHALL BE UTILIZED FROM STATION 457+57.19 TO STATION 519+82.99. ITEM REFERENCE NUMBER 13 SHALL BE UTILIZED WHERE INDICATED IN THE PLANS.
4. NORMAL WIDTH IS 8'. WIDTH VARIES AT SOME LOCATIONS.

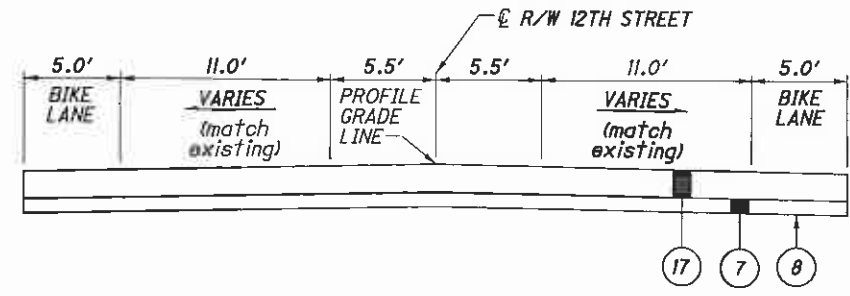
TYPICAL SECTIONS - 12TH STREET

STA-12TH STREET



12TH STREET - NORMAL SECTION

STA 476+76.98 TO STA 476+86.98	STA 499+67.67 TO STA 499+77.67
STA 477+49.72 TO STA 477+56.84	STA 500+19.04 TO STA 500+29.12
STA 481+80.48 TO STA 481+92.05	STA 504+70.86 TO STA 504+80.87
STA 482+48.90 TO STA 482+61.83	STA 505+19.61 TO STA 505+29.64
STA 493+00.00± TO STA 493+10.00±	STA 541+36.41 TO STA 541+46.53
STA 494+25.00± TO STA 494+35.00±	STA 542+26.97 TO STA 542+36.97

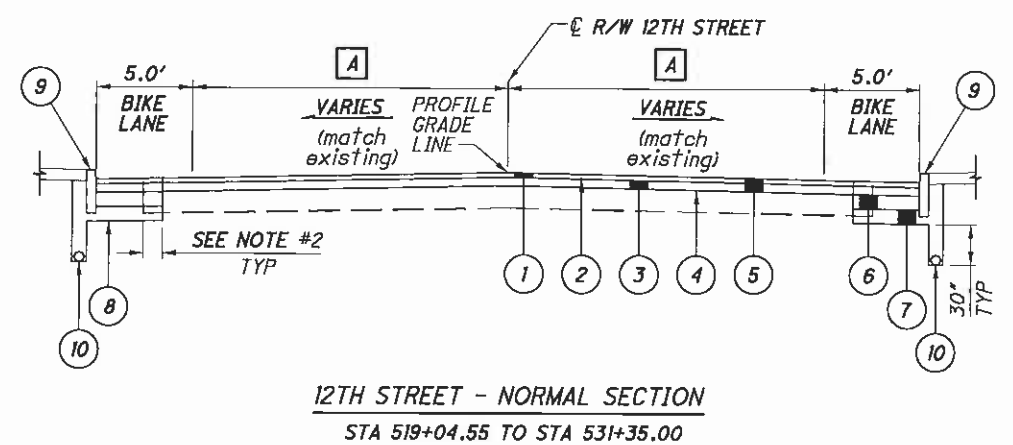


12TH STREET - NORMAL SECTION

STA 476+86.98 TO STA 477+49.72	STA 499+77.67 TO STA 500+19.04
STA 481+92.05 TO STA 482+48.90	STA 504+80.87 TO STA 505+19.61
STA 493+10.00± TO STA 494+25.00±	STA 541+46.53 TO STA 542+26.97

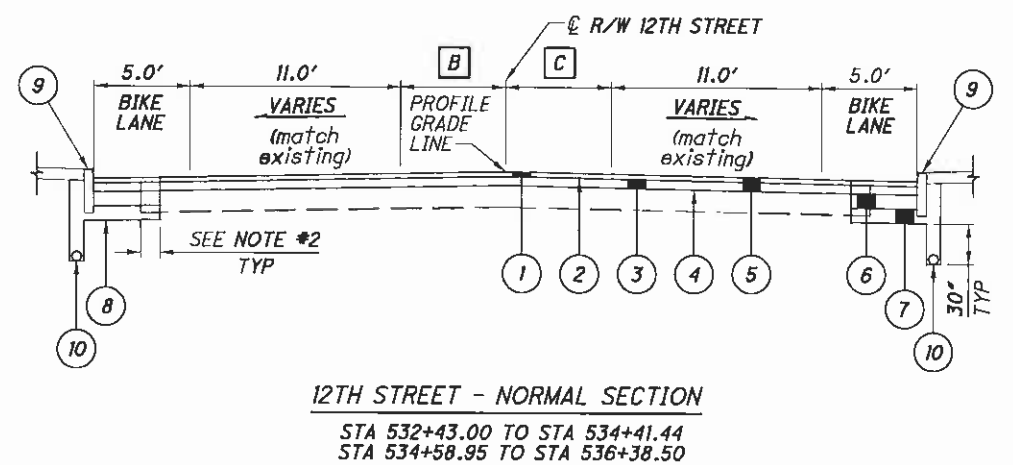
FOR LEGEND AND NOTES SEE SHEET 5

J:\15\11\11-060 12th Street\STA\85299\roadway\sheet\85299GY003.dgn 10/6/2011 3:32:27 PM dcbarhart\ODOT\B\Pen-NE.tbl M-E Companies, Inc.



12TH STREET - NORMAL SECTION  
STA 519+04.55 TO STA 531+35.00

**A** VARIES FROM 16.50' @ STA 519+04.55 TO 13.00' @ STA 520+00.00  
13.00' FROM STA 520+00.00 TO STA 530+39.55  
VARIES FROM 13.00' @ STA 530.39+55 TO 16.50' @ STA 531+35.00



12TH STREET - NORMAL SECTION  
STA 532+43.00 TO STA 534+41.44  
STA 534+58.95 TO STA 536+38.50

**B** VARIES FROM 5.50' @ STA 532.43.00 TO 2.00' @ 533+65.42  
2.00' FROM STA 533+65.42 TO STA 535+58.50  
VARIES FROM 2.00' @ STA 535+58.50 TO 5.50' @ STA 536+38.50

**C** VARIES FROM 5.50' @ STA 532.43.00 TO 8.00' @ 533+65.42  
8.00' FROM STA 533+65.42 TO STA 535+58.50  
VARIES FROM 8.00' @ STA 535+58.50 TO 5.50' @ STA 536+38.50

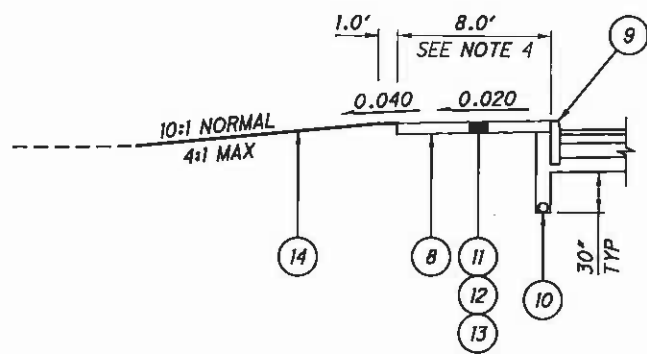
SUSPEND 12TH STREET PROJECT  
STA 441+28.00 TO STA 441+38.32  
STA 534+41.44 TO STA 534+58.95

FOR LEGEND AND NOTES SEE SHEET 5

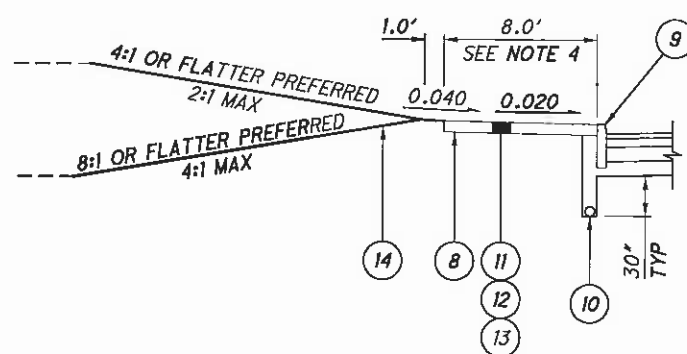
TYPICAL SECTIONS - 12TH STREET

STA-12TH STREET

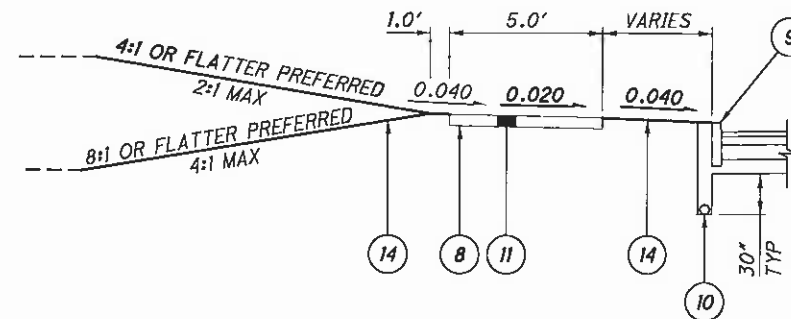
J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299Y004.dgn 10/6/2011 3:32:29 PM dcbarhorl ODOTVBI\_PDF\_Half.plt.cfb ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



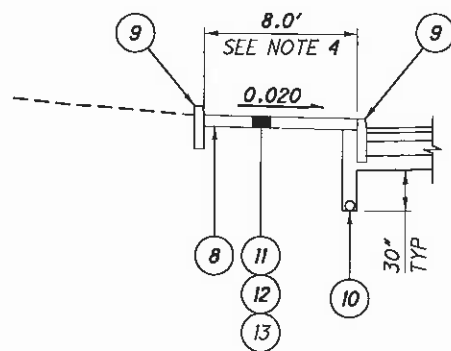
END CONDITION # 1



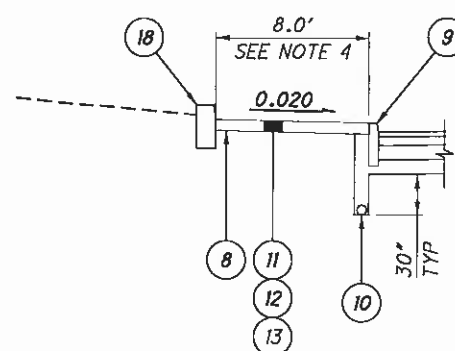
END CONDITION # 2



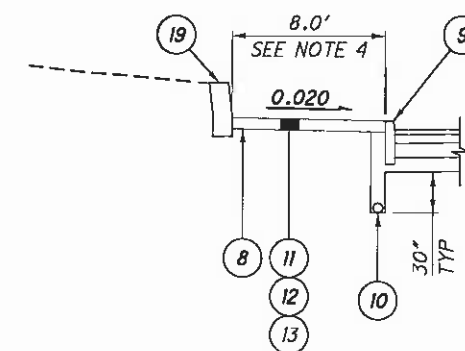
END CONDITION # 3



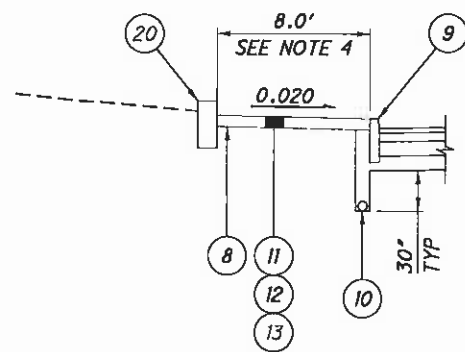
END CONDITION # 4



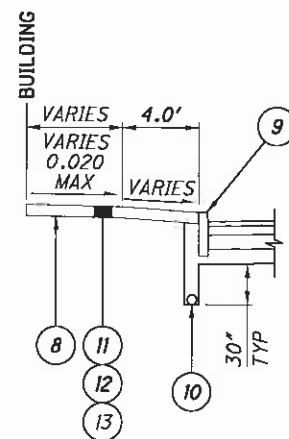
END CONDITION # 5



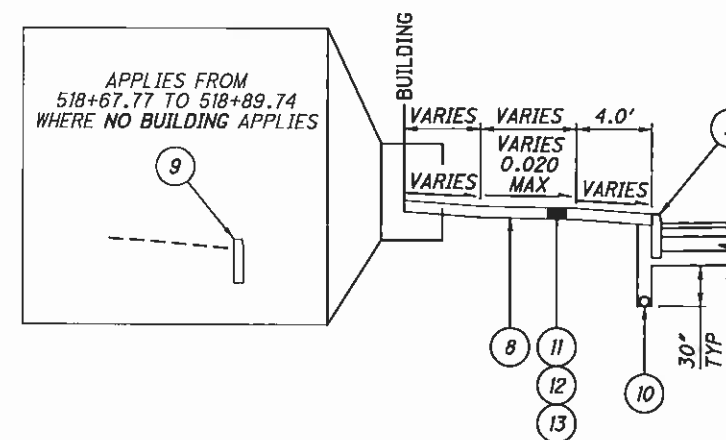
END CONDITION # 6



END CONDITION # 7



END CONDITION # 8



END CONDITION # 9

TYPICAL END CONDITIONS  
LEFT SIDE SHOWN, RIGHT SIDE OPPOSITE HAND  
SEE CROSS SECTIONS FOR MORE DETAIL

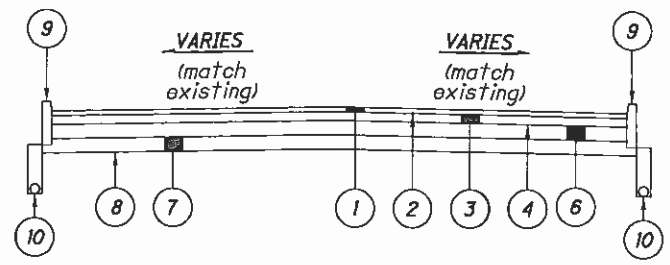
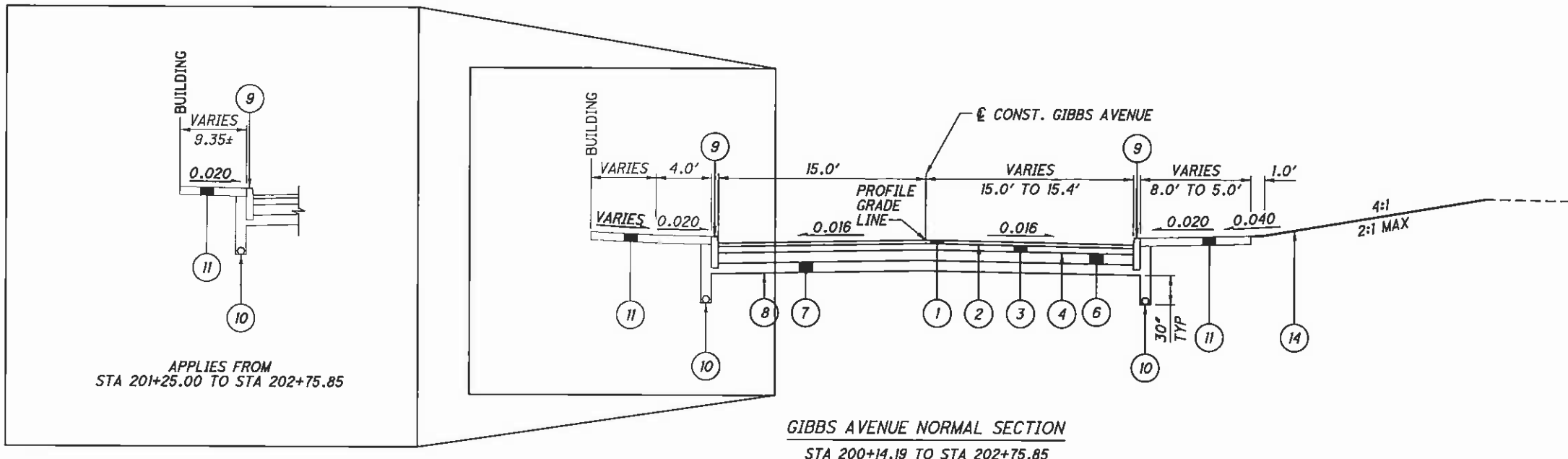
FOR LEGEND AND NOTES SEE SHEET 5



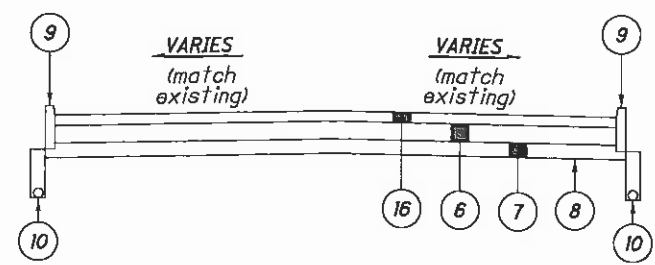


J:\15\11\11-060 12th Street\STA\85299\roadway\sheet\85299GY006.dgn 10/6/2011 3:37:32 PM dcbarhart ODOT\B\PDF\_Half.plt c:\g\odotvb\Pen-ME.tbl M-E Companies, Inc.

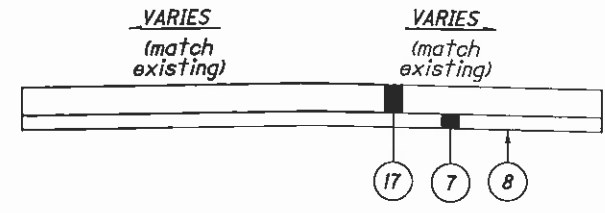
GIBBS AVENUE INTERSECTION WITH 12TH STREET - SEE INTERSECTION DETAIL  
 STA 199+96.43 TO STA 200+14.19



**SIDE ROAD PAVEMENT BUILD-UP**  
 ALL SIDE ROADS EXCLUDING THE FOLLOWING:  
 MARKET AVE\*  
 PERKINS AVE  
 ARNOLD AVE  
 PIEDMONT AVE NORTH  
 KLINE CT



**BRICK SIDE ROAD PAVEMENT BUILD-UP**  
 PERKINS AVE  
 ARNOLD AVE  
 PIEDMONT AVE NORTH  
 KLINE CT



**CONCRETE CROSSWALK BUILD-UP**

\* MARKET AVE'S PAVEMENT BUILDUP WILL BE DETERMINED ONCE ITS ALIGNMENT IS ESTABLISHED.

FOR LEGEND AND NOTES SEE SHEET 5

TYPICAL SECTIONS - GIBBS AVE, SIDE ROADS & CROSSWALKS  
 STA-12TH STREET

J:\T5\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299GN001.dgn 10/6/2011 3:32:33 PM dcbarrhart ODOT\B5299\PDF\_Hair\p1c1g ODOT\B5299\_Pen-ME.lbl M+E Companies, Inc.

**GENERAL**

**PRECONSTRUCTION INCIDENTALS:**

**(A) PROJECT SPECIFIC REQUIREMENTS**

ALL WORK REQUIRED TO COMPLETE THIS IMPROVEMENT SHALL BE PERFORMED IN ACCORDANCE WITH SPECIFICATIONS/ REQUIREMENTS OF THE CITY OF CANTON AND THE 2010 EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS, EXCEPT AS HEREIN AMENDED. IN THE CASE OF A CONFLICT BETWEEN THE CITY OF CANTON AND THE OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS/REQUIREMENTS, THE CITY OF CANTON REQUIREMENTS WILL TAKE PRECEDENCE, UNLESS OTHERWISE DIRECTED IN WRITING BY THE CITY ENGINEER.

**(B) ADMINISTRATIVE REQUIREMENTS**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY COMPLYING WITH ALL THE ADMINISTRATIVE DUTIES HEREIN CONTAINED.

THE CONTRACTOR SHALL DESIGNATE TO THE CITY AN EMPLOYEE RESPONSIBLE FOR CORRESPONDENCE, NOTIFICATIONS, AND SUBMITTALS PERTINENT TO THE PROJECT.

**(C) PRECONSTRUCTION MEETING**

A PRECONSTRUCTION MEETING WITH THE CONTRACTOR, REPRESENTATIVES OF ALL UTILITY COMPANIES, THE CITY OF CANTON ENGINEERING DEPARTMENT, THE CITY OF CANTON WATER DEPARTMENT, AND THE CANTON TRAFFIC ENGINEERING DEPARTMENT IS REQUIRED FOR THIS PROJECT PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY.

FOR CITY GENERAL PROJECTS, THE CITY ENGINEER WILL CONTACT THE CONTRACTOR TO ARRANGE A MEETING DATE. THE CITY ENGINEER WILL CONTACT THE ABOVE AGENCIES TO CONFIRM THE MEETING DATE.

**POST CONSTRUCTION INCIDENTALS:**

**(A) AS-BUILT DRAWINGS**

AS-BUILT PRINTS SHALL BE PROVIDED TO THE CITY OF CANTON BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT. THE CONSTRUCTION BOND WILL NOT BE RELEASED UNTIL THE AS-BUILT DRAWINGS HAVE BEEN ACCEPTED.

**(B) PROPOSED MONUMENTATION**

THE DEVELOPER/CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IN WRITING UPON THE COMPLETION OF MONUMENTS BEING SET AS PER PLAN OR RECORD PLAT.

**(C) RELEASE OF RETAINER/BONDS**

PRIOR TO THE RELEASE OF RETAINER/CONSTRUCTION BOND BY THE CITY OF CANTON, THE CONTRACTOR SHALL HAVE COMPLETED THE ENGINEER'S PROJECT PUNCHLIST AND SUBMITTED A FINAL WAIVER OF LEIN, IN ACCORDANCE WITH CITY SS 01-00.

**EXISTING SURVEY BASEMAP NOTES:**

1. THE HORIZONTAL COORDINATES EXPRESSED HEREIN ARE BASED ON THE OHIO STATE PLANE COORDINATES SYSTEM NAD 83, NORTH ZONE USING 2007 ADJUSTMENT, BY TIES TO THE ODOT CORS NETWORK. THE COMBINED SCALE FACTOR IS 0.999903 (PROJECT ADJUSTMENT FACTOR IS 1.000097).

2. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE AND HAVE BEEN SHOWN PER OUPS MARKINGS

AND/OR EXISTING UTILITY RECORDS BY HEH OF HAMMONTREE & ASSOCIATES (H&A) IN SEPTEMBER 2011.

3. AERIAL UTILITY LINES ARE NOT SHOWN.

4. LOCATION OF REAR BUILDING CORNERS/LINES ARE APPROXIMATE AND HAVE BEEN SHOWN PER STARK COUNTY AUDITOR'S RECORDS AND/OR SID IMAGERY.

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

AMERICAN ELECTRIC POWER AT&T OHIO  
301 CLEVELAND AVENUE S.W. 50 WEST BOWERY STREET,  
CANTON, OHIO 44702 6TH FLOOR  
ATTN: RAY ZITNEY AKRON, OH 44308  
PHONE: (330) 428-7718 ATTN: JOSEPH RODRIGUEZ  
FAX: (330) 438-7338 PHONE: (330) 384-4336  
EMAIL: rzitney@aep.com EMAIL: jr3493@att.com

BP OIL PIPELINE COMPANY CITY OF CANTON SEWER DEPT  
4421 BRADLEY ROAD CITY SERVICE CENTER,  
CLEVELAND, OH 44109 BUILDING A  
ATTN: TOM COYNE 2436 30TH STREET N.E.  
PHONE: (216) 271-8275 CANTON, OH 44705  
FAX: (216) 570-5164 ATTN: TERRY CONNER  
EMAIL: coyne@bp.com PHONE: (330) 438-6912  
FAX: (330) 489-3337  
EMAIL: terry.conner@cantonohio.gov

CITY OF CANTON WATER DEPT DOMINION EAST OHIO  
2664 HARRISBURG ROAD N.E. 320 SPRINGSIDE DR., SUITE 320  
CANTON, OH 44705 AKRON, OH 44333  
ATTN: LEWIS MILLER ATTN: MARY J. LONG  
PHONE: (330) 489-3310 PHONE: (330) 664-2409  
FAX: (330) 489-3073 FAX: (330) 266-2127  
EMAIL: lewis.miller@cantonohio.gov EMAIL: mary.j.long@dom.com

TIME WARNER CABLE VERIZON (FORMERLY MCI)  
5520 WHIPPLE AVENUE N.W. 120 RAVINE STREET  
NORTH CANTON, OH 44720 AKRON, OH 44303  
ATTN: TIM KNIGHT ATTN: AL GUEST  
PHONE: (330) 494-9200 PHONE: (330) 253-8267  
FAX: (330) 490-2555 FAX: (918) 562-7014  
EMAIL: tim.knight@twcable.com

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

**ROUNDING**

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**CONSTRUCTION NOISE**

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7:00 PM AND 7:00 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

**ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT**

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING ---- IN DIAMETER CONDUIT AND FILLING THE AREA THUS SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

BULKHEADS SHALL BE LOCATED AT THE LIMITS OF THE AREA TO BE FILLED AS INDICATED ON THE PLANS. THE BULKHEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

THE FILL MATERIAL SHALL BE PUMPED INTO PLACE, OR PLACED BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT, AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH, SHALL BE FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

**CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES**

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEM.

**UNRECORDED UNTREATED NON-STORMWATER DRAINAGE**

FURNISH NO CONTINUANCE FOR ANY UNRECORDED UNTREATED NON-STORMWATER DRAINAGE SUCH AS UNTREATED SEPTIC, UNTREATED WASTEWATER, UNTREATED CURTAIN/GRADIENT DRAINS, AND UNTREATED FOUNDATION FLOOR DRAINS DISTURBED BY THE WORK. PLUG ANY UNRECORDED UNTREATED NON-STORMWATER DRAINAGE WITH CLASS C CONCRETE AT THE RIGHT OF WAY LINE. PAYMENT FOR PLUGGING SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 OR 203 ITEM.

**UNRECORDED STORM WATER DRAINAGE**

FURNISH A CONTINUANCE FOR ALL UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

603, 6" CONDUIT, TYPE B, FOR DRAINAGE CONNECTION 100 FT.

603, 6" CONDUIT, TYPE C, FOR DRAINAGE CONNECTION 100 FT.

603, 6" CONDUIT, TYPE E, FOR DRAINAGE CONNECTION 100 FT.

603, 6" CONDUIT, TYPE F, FOR DRAINAGE CONNECTION 100 FT.

**ITEM SPECIAL - MISCELLANEOUS METAL**

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIAL SHALL MEET ITEM 604 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

SPECIAL, MISCELLANEOUS METAL ----- POUNDS

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE EXPENSE OF THE CONTRACTOR.

CALCULATED  
KOD  
CHECKED

GENERAL NOTES

STA-12TH STREET

J:\T\11-060 12th Street\STAY\85299\mot\sheet\85229\m100.dgn 10/7/2011 7:47:54 AM mmoyer ODOT\BI\_PDF\_Half.plt cfg ODOT\BI\_Pen-WE.tbl M-E Companies, Inc.

**ITEM 614 - MAINTAINING TRAFFIC**

A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION WILL BE MAINTAINED AT ALL TIMES BY THE USE OF THE EXISTING PAVEMENT AND THE COMPLETED PAVEMENT. IN ADDITION A MINIMUM OF A 100 FOOT LEFT TURN LANE IN EACH DIRECTION WILL BE PROVIDED AT THE FOLLOWING MAJOR INTERSECTIONS:

FULTON	MCKINLEY	CLEVELAND
MARKET	LAWRENCE	

**ITEM 614 - MAINTAINING TRAFFIC (ESTIMATED QUANTITIES)**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B	CU. YD.
ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	CU. YD.
ITEM 616, WATER	M. GAL.

**ITEM 614 - MAINTAINING TRAFFIC**

ALL WORK AND TRAFFIC CONTROL DEVICES WILL BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS WILL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**PLACEMENT OF ASPHALT CONCRETE**

TWO-WAY TRAFFIC WILL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

**TRENCH FOR WIDENING**

TRENCH EXCAVATION FOR BASE WIDENING WILL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH WILL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL WILL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME WILL BE HELD TO A MINIMUM AND WILL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

**OVERNIGHT TRENCH CLOSING**

THE BASE WIDENING WILL BE COMPLETED TO A DEPTH OF NO MORE THAN 12 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH WILL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING WILL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

**DUST CONTROL**

THE CONTRACTOR WILL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER M. GAL

**WORK ZONE MARKINGS AND SIGNS**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE MAINTENANCE OF TRAFFIC SUBSUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF CMS 614.04 AND 614.11.

ITEM 614, WORK ZONE CENTER LINE CLASS 1, 642 PAINT	MILE
ITEM 614, WORK ZONE EDGE LINE CLASS 1, 642 PAINT	MILE
ITEM 614, WORK ZONE EDGE LINE CLASS 1, 740.06, TYPE 1	MILE
ITEM 614, WORK ZONE CHANNELIZING LINE CLASS 1, 642 PAINT	FT.
ITEM 614, WORK ZONE CHANNELIZING LINE CLASS 1, 740.06, TYPE 1	FT.
ITEM 614, WORK ZONE DOTTED LINE CLASS 1, 642 PAINT	FT.
ITEM 614, WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS 1, 642 PAINT	FT.
ITEM 614, WORK ZONE STOP LINE CLASS 1, 642 PAINT	FT.
ITEM 614, WORK ZONE ARROW CLASS 1, 642 PAINT	EACH
ITEM 614, WORK ZONE ARROW CLASS 1, 740.06, TYPE 1	EACH

THE CONTRACTOR WILL ONLY USE THE CLASS III, 642 PAINT PAVEMENT MARKINGS ON THE FINAL SURFACE COURSE PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS. IF AND ONLY IF THE ROADWAY IS OPEN TO TRAFFIC DURING A TIME WHEN THE FINAL MARKINGS ARE NOT IN PLACE AND AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITIES, WHICH ARE THE TOTAL OF THE FINAL PAVEMENT MARKINGS, HAVE BEEN CARRIED TO THE MAINTENANCE OF TRAFFIC SUBSUMMARY.

ITEM 614, WORK ZONE LANE LINE, CLASS III, 642 PAINT	MILE
ITEM 614, WORK ZONE CENTER LINE CLASS III, 642 PAINT	MILE
ITEM 614, WORK ZONE EDGE LINE CLASS III, 642 PAINT	MILE
ITEM 614, WORK ZONE CHANNELIZING LINE CLASS III, 642 PAINT	FT.
ITEM 614, WORK ZONE DOTTED LINE CLASS III, 642 PAINT	FT.
ITEM 614, WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT	FT.
ITEM 614, WORK ZONE STOP LINE CLASS III, 642 PAINT	FT.
ITEM 614, WORK ZONE ARROW CLASS III, 642 PAINT	EACH

**MAINTENANCE OF TRAFFIC SIGNAL INSTALLATION**

THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE TRAFFIC SIGNAL INSTALLATIONS WITHIN THE PROJECT UNDER THE FOLLOWING CONDITIONS:

- EXISTING SIGNAL INSTALLATIONS WHICH THE PLANS REQUIRE THE CONTRACTOR TO ADJUST, MODIFY, ADD ONTO OR REMOVE, OR WHICH THE CONTRACTOR ACTUALLY ADJUSTS, MODIFIES OR OTHERWISE DISTURBS. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE ENTIRE INSTALLATION (AT AN INTERSECTION) FROM THE TIME HIS OPERATIONS FIRST DISTURB THE INSTALLATION UNTIL THE INSTALLATION HAS BEEN SUBSEQUENTLY REMOVED OR MODIFIED AND THE WORK ACCEPTED.
- NEW OR REUSED SIGNAL INSTALLATIONS OR DEVICES, INSTALLED BY THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF THESE FROM THE TIME OF INSTALLATION UNTIL THE WORK IS ACCEPTED.

THE CONTRACTOR WILL CORRECT AS QUICKLY AS POSSIBLE ALL OUTAGES OR MALFUNCTIONS. HE WILL PROVIDE THE MAINTAINING AGENCY AND THE ENGINEER SUCH ADDRESSES AND PHONE NUMBERS WHERE HIS MAINTENANCE FORCES CAN BE CONTACTED. THE CONTRACTOR WILL PROVIDE ONE OR MORE PERSONS TO RECEIVE ALL CALLS AND DISPATCH THE NECESSARY MAINTENANCE FORCES TO CORRECT OUTAGES. SUCH A PERSON OR PERSONS MAY BE USED TO PERFORM OTHER DUTIES AS LONG AS PROMPT ATTENTION IS GIVEN TO THESE CALLS AND A PERSON IS READILY AVAILABLE CONTINUOUSLY 24 HOURS A DAY, 7 DAYS A WEEK. ALL LAMP OUTAGES, CABLE OUTAGES, ELECTRICAL FAILURES, EQUIPMENT MALFUNCTIONS AND MIS-ALIGNED SIGNAL HEADS WILL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK TO SERVICE WITHIN FOUR HOURS AFTER THE CONTRACTOR HAS BEEN NOTIFIED OF THE OUTAGE.

IN THE EVENT NEW SIGNALS ARE DAMAGED PRIOR TO ACCEPTANCE, ALL DAMAGED EQUIPMENT EXCEPT POLES AND CONTROL EQUIPMENT WILL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK IN SERVICE WITHIN 8 HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE OUTAGE. THE CONTRACTOR WILL ARRANGE FOR FULL TRAFFIC CONTROL UNTIL THE SIGNAL IS BACK IN OPERATION.

IF POLES AND/OR CONTROL EQUIPMENT ARE DAMAGED AND MUST BE REPLACED, THE CONTRACTOR WILL MAKE TEMPORARY REPAIRS AS NECESSARY TO BRING THE SIGNAL BACK INTO FULL OPERATION WITHIN THE ALLOWED 8-HOUR PERIOD, AND WILL MAKE PERMANENT REPAIRS OR REPLACEMENT AS SOON THEREAFTER AS POSSIBLE.

NONE OF THE ABOVE WILL BE CONSTRUED AS COLLECTIVE OR CONSECUTIVE OUTAGE TIME PERIODS AT ANY ONE LOCATION. THAT IS, WHERE MORE THAN ONE OUTAGE OCCURS AT ANY ONE LOCATION THEN THE ALLOTTED TIME LIMIT WILL BE FOR THE WORST SINGLE OUTAGE.

**WORKSITE TRAFFIC SUPERVISOR**

SUBJECT TO APPROVAL OF THE ENGINEER, THE CONTRACTOR WILL EMPLOY AND IDENTIFY (SOMEONE OTHER THAN THE SUPERINTENDENT) A CERTIFIED WORKSITE TRAFFIC SUPERVISOR (WTS) BEFORE STARTING WORK IN THE FIELD. THE WTS MAY BE CERTIFIED FROM ONE OF THE FOLLOWING ORGANIZATIONS:

- AMERICAN TRAFFIC SAFETY SERVICE ASSOCIATION (ATSSA), PHONE NUMBER 1-800-272-8772, CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS).
- NATIONAL HIGHWAY INSTITUTE, DESIGN AND OPERATION OF WORK ZONE TRAFFIC CONTROL, PHONE NUMBER 1-703-235-0528.
- THE OHIO CONTRACTORS ASSOCIATION, TRAFFIC CONTROL SUPERVISOR (OCA/TCS) WORK ZONE CLASS, ONLY IF TAKEN AFTER MAY 5, 2004, PHONE NUMBER 1-800-229-1388.
- OHIO LABORERS TRAINING, TRAFFIC CONTROL SUPERVISORS CLASS, PHONE NUMBER 1-740-599-7915.

A COPY OF EACH WTSS CERTIFICATION AND 24-HOUR CONTACT INFORMATION WILL BE PROVIDED TO THE ENGINEER AT THE PRECONSTRUCTION CONFERENCE. IF THE DESIGNATED WTS WILL NOT BE AVAILABLE FULL TIME (24/7) THE CONTRACTOR MAY DESIGNATE AN ALTERNATE WTS TO BE AVAILABLE WHEN THE PRIMARY IS OFF DUTY. EACH WTS WILL HAVE A CURRENT WTS CERTIFICATION (WITH AN EXPIRATION DATE NO MORE THAN 5 YEARS FROM THE DATE OF ISSUE) FROM ANY OF THE APPROVED ORGANIZATIONS.

THE WTS POSITION HAS THE RESPONSIBILITY OF MONITORING TRAFFIC CONTROL DEFICIENCIES FOR THE ENTIRE WORK ZONE. THE DUTIES OF THE WTS ARE AS FOLLOWS:

- BE AVAILABLE ON A 24-HOUR PER DAY BASIS, AND BE ABLE TO BE ON SITE FOR ALL EMERGENCY TRAFFIC CONTROL NEEDS WITHIN ONE HOUR OF NOTIFICATION BY POLICE OR PROJECT STAFF AND BE PREPARED TO EFFECT CORRECTIVE MEASURES IMMEDIATELY ON EXISTING WORK ZONE TRAFFIC CONTROL DEVICES.
- ATTEND PRECONSTRUCTION MEETING AND ALL PROJECT MEETINGS WHERE TRAFFIC CONTROL MANAGEMENT IS DISCUSSED.
- BE AVAILABLE FOR MEETINGS OR DISCUSSIONS WITH THE ENGINEER UPON REQUEST OR WITHIN 36 HOURS.
- BE AWARE OF, AND COORDINATE IF NECESSARY, ALL TRAFFIC CONTROL OPERATIONS, INCLUDING THOSE OF SUBCONTRACTORS AND SUPPLIERS.
- COORDINATE PROJECT ACTIVITIES WITH ALL LAW ENFORCEMENT OFFICERS (LEOS). A WTS WILL ALSO BE THE MAIN CONTACT PERSON WITH THE LEOS WHILE THEY ARE ON THE PROJECT.

CALCULATED  
MAM  
CHECKED  
DLW

MAINTENANCE OF TRAFFIC NOTES

STA-12TH STREET

J:\TS\11-060 12th Street\STA\852299\mol\sheets\852299mn101.dgn 10/7/2011 7:47:56 AM mmoyer" ODOTVBI\_PDF\_Hof.pitc1g ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

**ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS**

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) WILL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF CMS 614 AND THE OMTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP). IN GENERAL, LEOS SHOULD BE POSITIONED AT THE POINT OF LANE RESTRICTION OR ROAD CLOSURE AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH INTERSECTIONS IN WORK ZONES.

WHEN CONSTRUCTION VEHICLES ARE ENTERING/EXITING THE ZONE DIRECTLY FROM/INTO AN OPEN LANE OF TRAFFIC. IF A LANE HAS BEEN CLOSED TO PROVIDE AN ACCELERATION/ DECELERATION LANE FOR THE VEHICLE, THE LEO WILL NOT BE REQUIRED.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER WILL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

THE LEO WILL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO WILL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO WILL NOTIFY THE ENGINEER. THE CONTRACTOR WILL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH WILL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE WILL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

**ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE HOURS**

THE HOURS PAID WILL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

**MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION**

THE MAINTENANCE OF TRAFFIC SEQUENCE FOR THE CONSTRUCTION OF 12TH STREET AND MARKET AVENUE WILL BE COMPLETED IN THE FOLLOWING PHASES:

PHASE 1  
CONSTRUCTION WILL CONSIST OF EXCAVATION FOR THE PROPOSED WIDENING, INSTALLATION OF CONCRETE CURB, CURB RAMPS, WALKS LANDSCAPE FEATURES AND DRAINAGE STRUCTURES LOCATED ON THE SOUTH SIDE OF 12TH STREET AND THE EAST SIDE OF MARKET AVENUE, AS SHOWN IN THE ROADWAY PLANS. THE CONTRACTOR WILL PLACE PAVEMENT UP TO BUT NOT INCLUDING THE SURFACE COURSE. A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. TRAFFIC AT EXISTING SIGNALIZED INTERSECTIONS WILL BE MAINTAINED WITH THE USE OF THE EXISTING SIGNAL, PROPOSED SIGNAL AND OR STOP CONTROL ON THE MINOR ROADWAYS. A MINIMUM OF A 100' LEFT TURN LANE WILL BE PROVIDED AT ALL MAJOR INTERSECTIONS ON 12TH STREET EXCEPT DURING THE ACTUAL INTERSECTIONS RECONSTRUCTION. ACCESS TO ALL BUSINESS, SIDE ROADS AND ALLEYS WILL BE MAINTAINED AT ALL TIMES.

PHASE 2  
CONSTRUCTION WILL CONSIST OF EXCAVATION FOR THE PROPOSED WIDENING, INSTALLATION OF CONCRETE CURB, CURB, CURB RAMPS, WALKS LANDSCAPE FEATURES AND DRAINAGE STRUCTURES LOCATED ON THE NORTH SIDE OF 12TH STREET AND THE WEST SIDE OF MARKET AVENUE, AS SHOWN IN THE ROADWAY PLANS. THE CONTRACTOR WILL PLACE PAVEMENT UP TO BUT NOT INCLUDING THE SURFACE COURSE. A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. TRAFFIC AT EXISTING SIGNALIZED INTERSECTIONS WILL BE MAINTAINED WITH THE USE OF THE EXISTING SIGNAL, PROPOSED SIGNAL AND OR STOP CONTROL ON THE MINOR ROADWAYS. A MINIMUM OF A 100' LEFT TURN LANE WILL BE PROVIDED AT ALL MAJOR INTERSECTIONS ON 12TH STREET EXCEPT DURING THE ACTUAL INTERSECTIONS RECONSTRUCTION. ACCESS TO ALL BUSINESS, SIDE ROADS AND ALLEYS WILL BE MAINTAINED AT ALL TIMES.

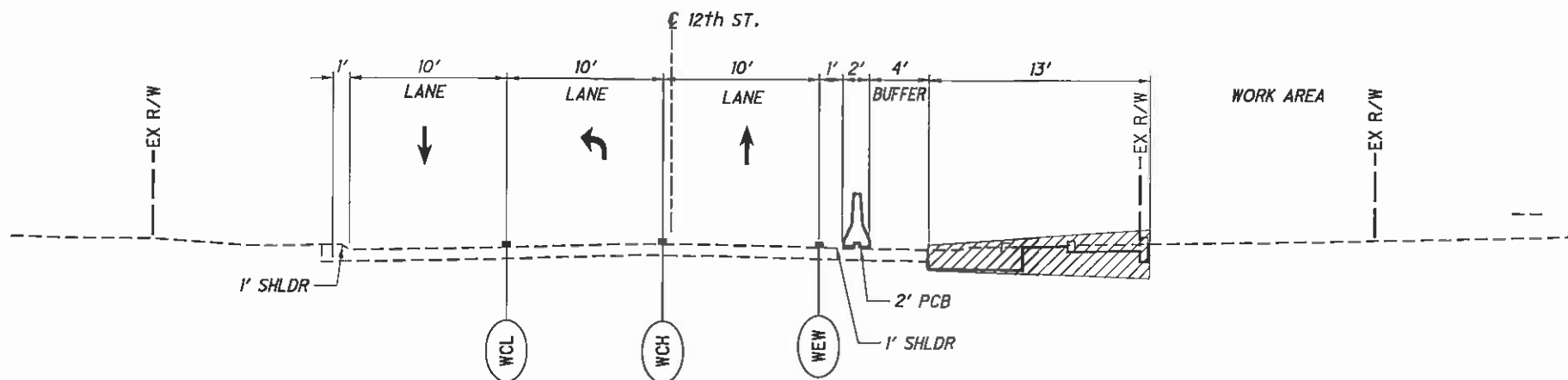
PHASE 3  
ONCE PHASE 2 CONSTRUCTION IS COMPLETED THE FINAL SURFACE COURSE WILL BE PLACED INCLUDING THE FINAL PAVEMENT MARKINGS AND SIGNAGE. A MINIMUM OF ONE-LANE OF TRAFFIC IN EACH DIRECTION WILL BE MAINTAINED AT ALL TIMES ON BOTH 12TH STREET AND MARKET AVENUE AS SHOWN IN THE STANDARD CONSTRUCTION DRAWING MT-97.12.

CALCULATED  
MAM  
CHECKED  
DLW

**MAINTENANCE OF TRAFFIC NOTES**

**STA-12TH STREET**

J:\TSS\11-060 12th Street\STA\85299\mol\sheet\85229my001.ph01.dgn 10/7/2011 7:48:05 AM mmeyer ODOT\Bi\_PDF\_Half.plt.ctg ODOT\Bi\_PDF\_Pen-ME.tbl M-E Companies, Inc.



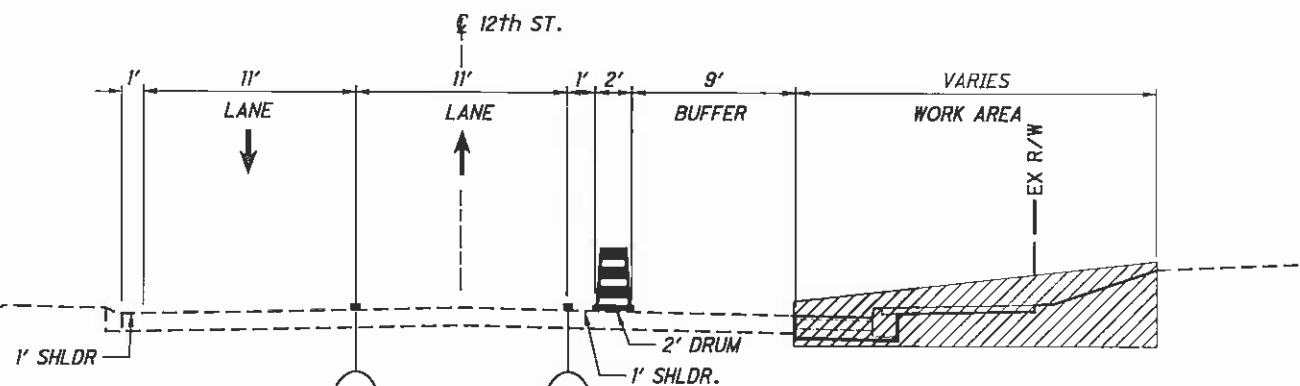
**TYPICAL SECTION B1-B1**  
 PHASE 1  
 STA. 456+00  
 INTERSECTIONS:  
 FULTON DR., MCKINLEY AVE.,  
 CLEVELAND AVE., MARKET ST. AND LAWRENCE RD.

**MAINTENANCE OF TRAFFIC LEGEND**

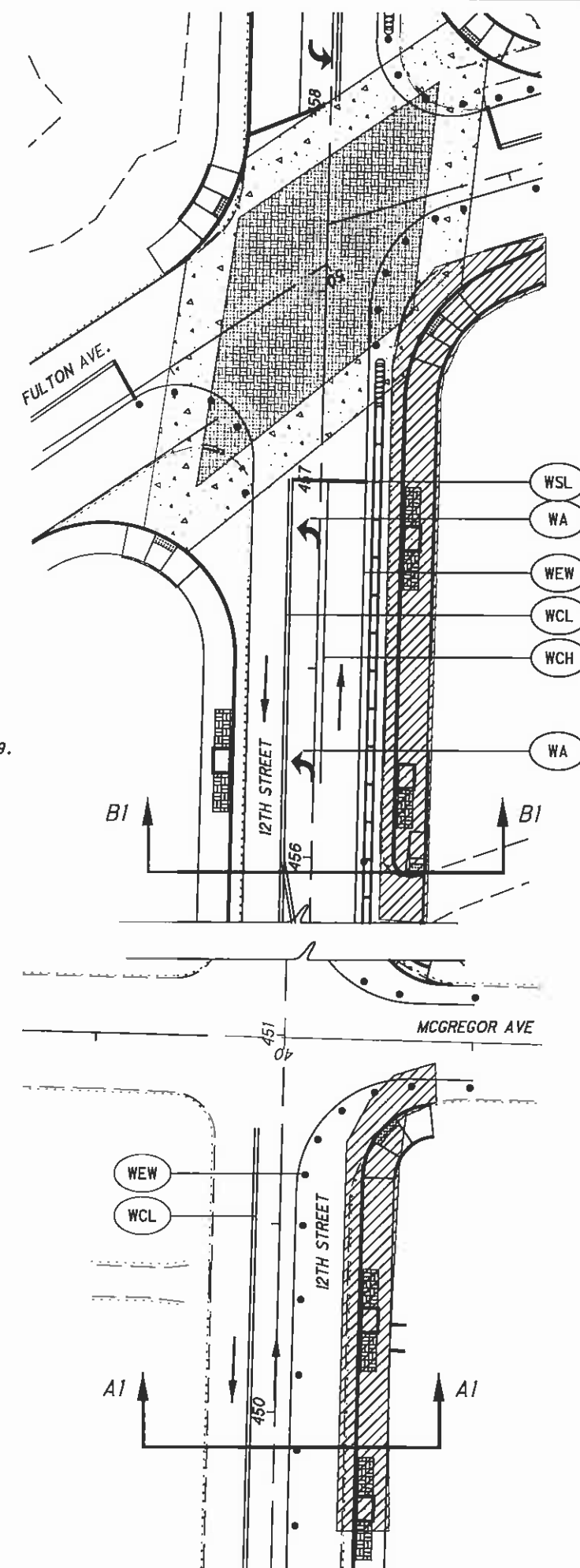
	WORK ZONE EDGE LINE WHITE		WORK AREA
	WORK ZONE CENTER LINE		DRUMS (SPACED 20' O/C FOR MAINLINE) (SPACED 10' O/C FOR INTERSECTIONS) (SPACED 5' O/C FOR DRIVES)
	WORK ZONE CHANNELIZING LINE		DIRECTION OF TRAVEL
	WORK ZONE STOP LINE		EXISTING PAVEMENT MARKING TO BE REMOVED
	WORK ZONE ARROW		IMPACT ATTENUATOR
	EXISTING PAVEMENT MARKING		PORTABLE CONCRETE BARRIER
	SIGNS		

**NOTES:**

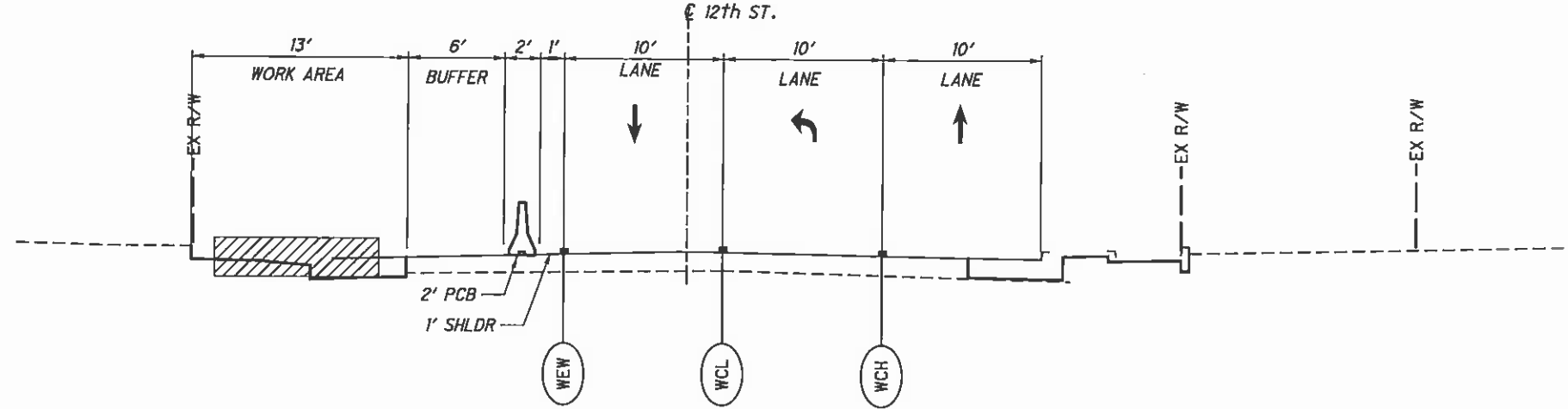
1. FOR LEAD-IN AND END TAPER DETAILS SEE SHEETS 18 AND 19.
2. FOR LEFT TURN LANE TAPER DETAILS SEE SHEET 20.
3. FOR SIDE ROADS AND DRIVE DETAILS SEE SHEET 23.
4. TRAFFIC AT SIGNALIZED INTERSECTIONS WILL BE MAINTAINED USING EXISTING SIGNALS, PROPOSED SIGNALS AND OR STOP CONTROL ON SIDE ROADS.



**TYPICAL SECTION A1-A1**  
 PHASE 1  
 STA. 450+00  
 INTERSECTIONS:  
 MONUMENT RD., RIDGE RD., PERKINS RD., MCGREGOR AVE., ARNOLD AVE., OXFORD AVE.,  
 LOUISIANA AVE., SHORB AVE., WORLEY AVE., WOODLAWN AVE., LOGAN AVE., WALNUT AVE.,  
 CHERRY AVE., SPRING AVE., PLAIN AVE., GIBBS AVE., ROWLAND AVE. AND ST. ELMO AVE.



J:\TS\11-060 12th Street\STA\85299\mot\sheet\85229my001\_ph02.dgn 10/7/2011 7:48:08 AM mmayer" ODOTV81\_PDF\_Half\_pltcfq ODOTV81\_Pen-ME.tbl M-E Companies, Inc.

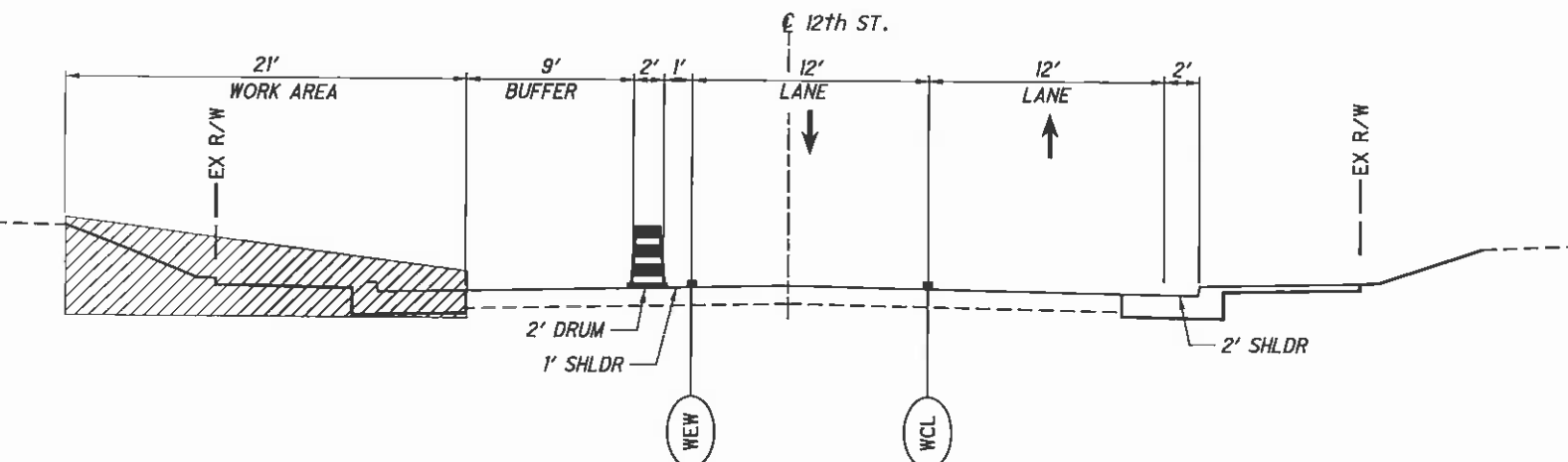


TYPICAL SECTION B2-B2

PHASE 2  
 STA. 456+00  
 INTERSECTIONS:  
 FULTON DR., MCKINLEY AVE.,  
 CLEVELAND AVE., MARKET ST. AND LAWRENCE RD.

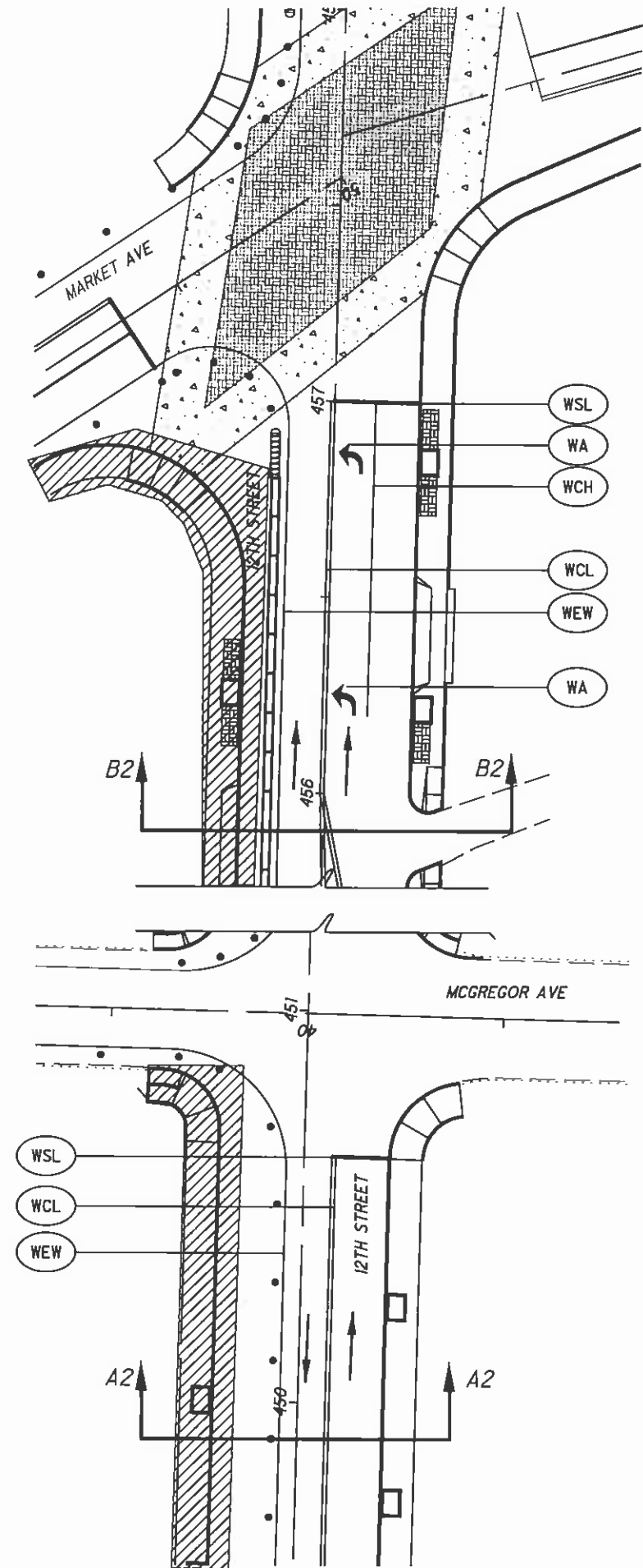
NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 14.
2. FOR LEAD-IN AND END TAPER DETAILS SEE SHEETS 18 AND 19.
3. FOR LEFT TURN LANE TAPER DETAILS SEE SHEET 20.
4. FOR SIDE ROADS AND DRIVE DETAILS SEE SHEET 23.
5. TRAFFIC AT SIGNALIZED INTERSECTIONS WILL BE MAINTAINED USING EXISTING SIGNALS, PROPOSED SIGNALS AND OR STOP CONTROL ON SIDE ROADS.



TYPICAL SECTION A2-A2

PHASE 2  
 STA. 450+00  
 INTERSECTIONS:  
 MONUMENT RD., RIDGE RD., PERKINS RD., MCGREGOR AVE., ARNOLD AVE., OXFORD AVE.,  
 LOUISIANA AVE., SHORB AVE., WORLEY AVE., WOODLAWN AVE., LOGAN AVE., WALNUT AVE.,  
 CHERRY AVE., SPRING AVE., PLAIN AVE., GIBBS AVE., ROWLAND AVE. AND ST. ELMO AVE.

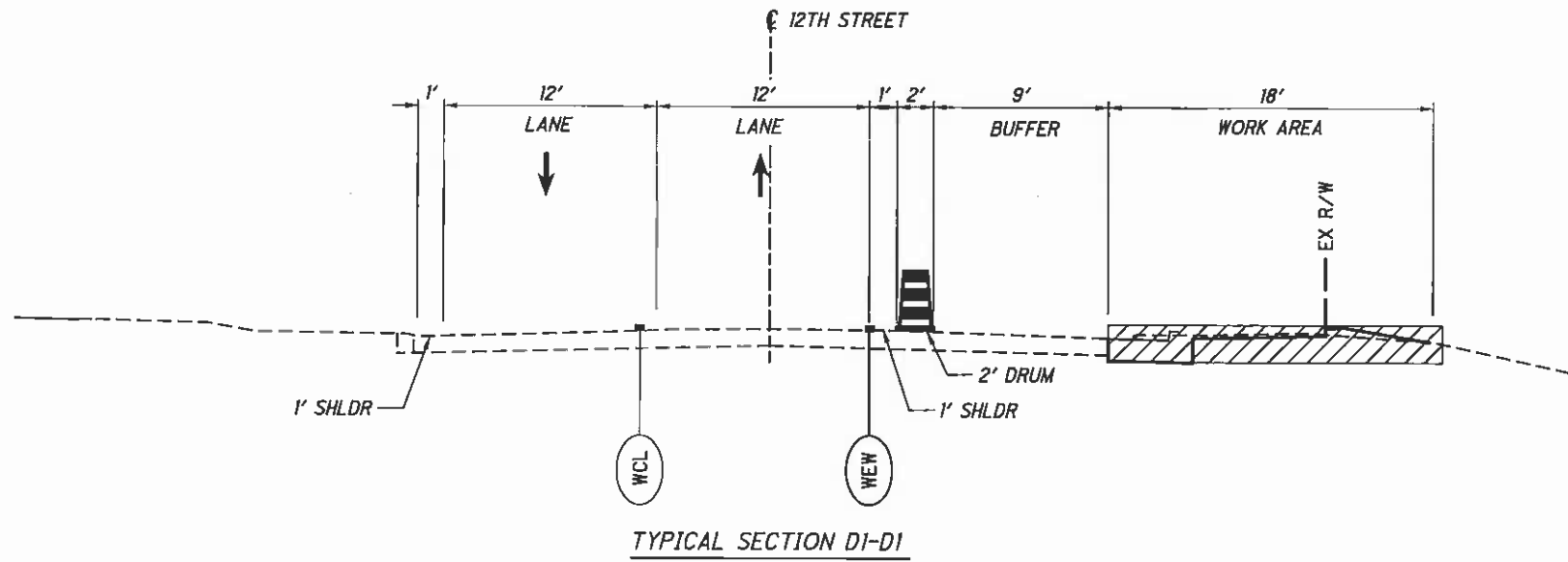


CALCULATED	MAM
CHECKED	DLW

CONCEPTUAL MAINTENANCE OF TRAFFIC - PHASE 2  
 TYPICAL SECTIONS

STA-12TH STREET

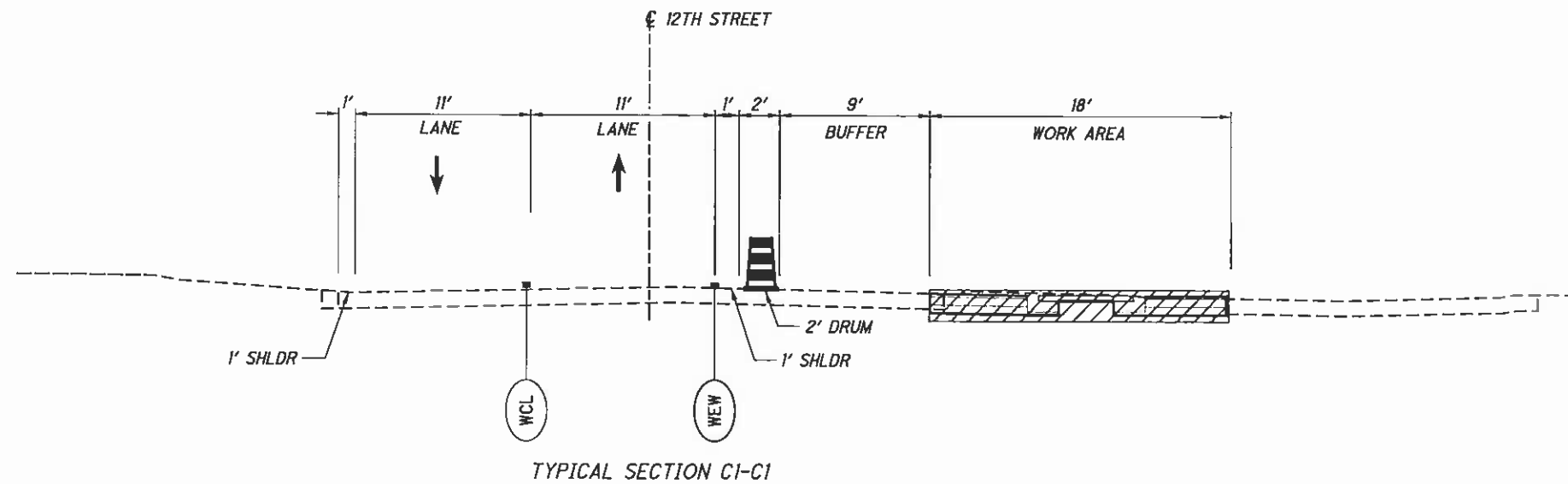
J:\TS\11\11-060 12th Street\STA\85299\mot\sheets\852229my002\_pr01.dgn 10/7/2011 7:48:11 AM mmayer ODOTVBI\_PDF\_Hair.plt cfg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



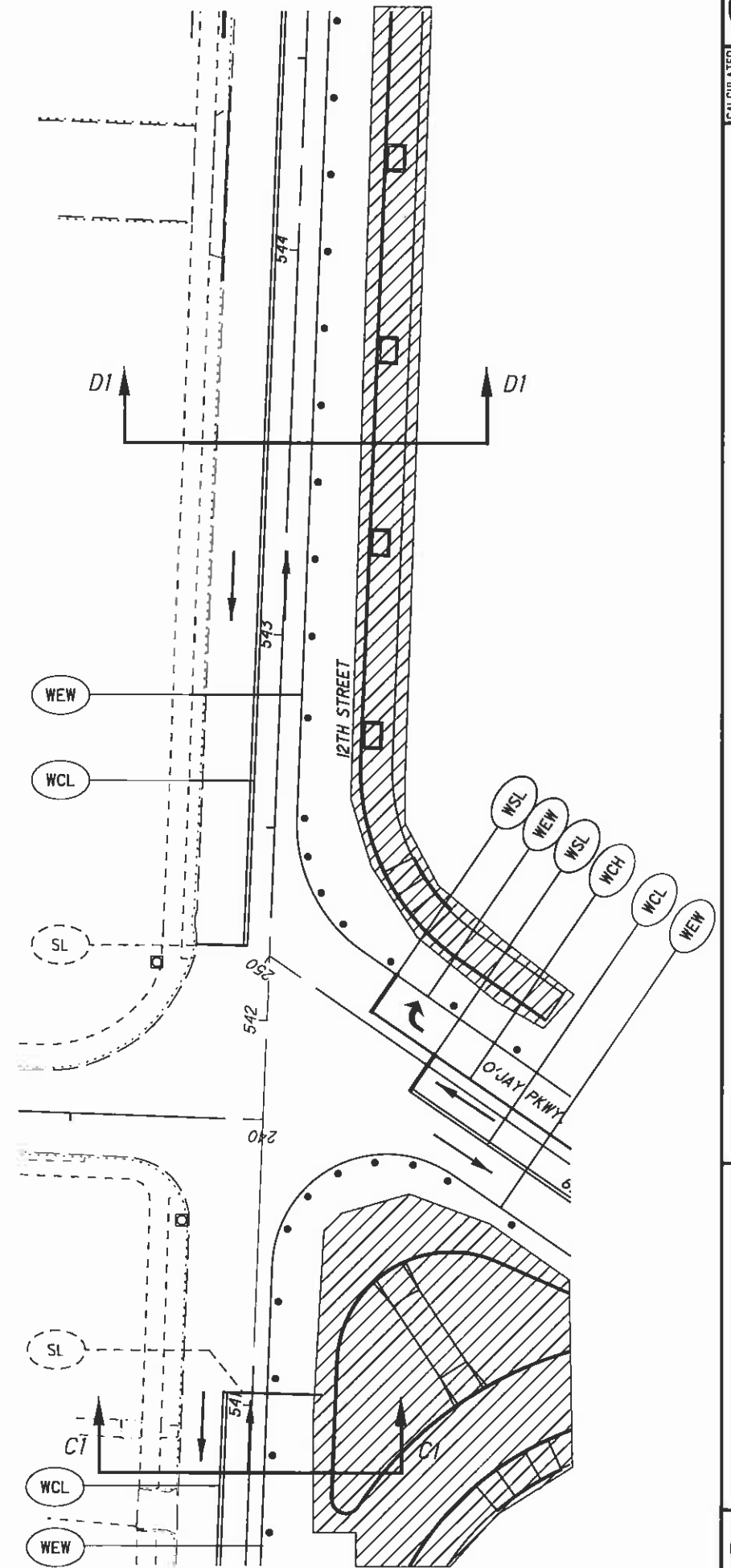
TYPICAL SECTION D1-D1  
 PHASE 1  
 STA. 543+50  
 MAINLINE

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 14.
2. FOR LEAD-IN AND END TAPER DETAILS SEE SHEETS 18 AND 19.
3. FOR LEFT TURN LANE TAPER DETAILS SEE SHEET 20.
4. FOR SIDE ROADS AND DRIVE DETAILS SEE SHEET 23.
5. TRAFFIC AT SIGNALIZED INTERSECTIONS WILL BE MAINTAINED USING EXISTING SIGNALS, PROPOSED SIGNALS AND OR STOP CONTROL ON SIDE ROADS.



TYPICAL SECTION C1-C1  
 PHASE 1  
 STA. 540+75  
 O'JAY PARKWAY



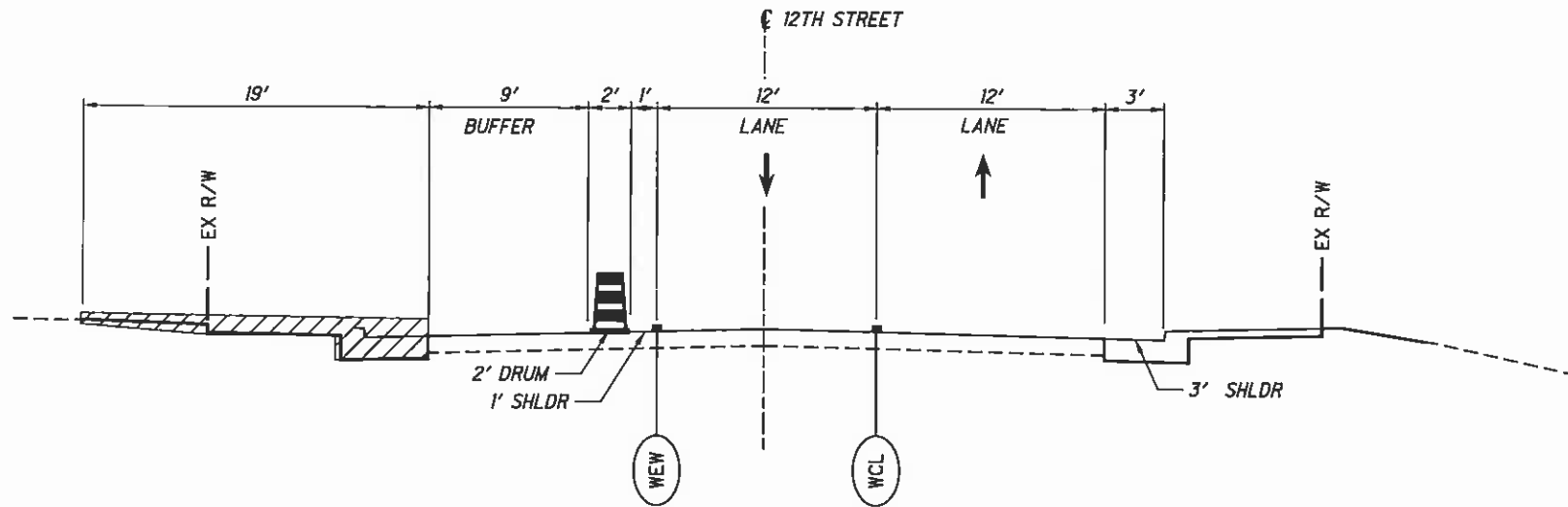
CALCULATED  
 MAM  
 CHECKED  
 DLW

CONCEPTUAL MAINTENANCE OF TRAFFIC - PHASE 1  
 TYPICAL SECTIONS

STA-12TH STREET



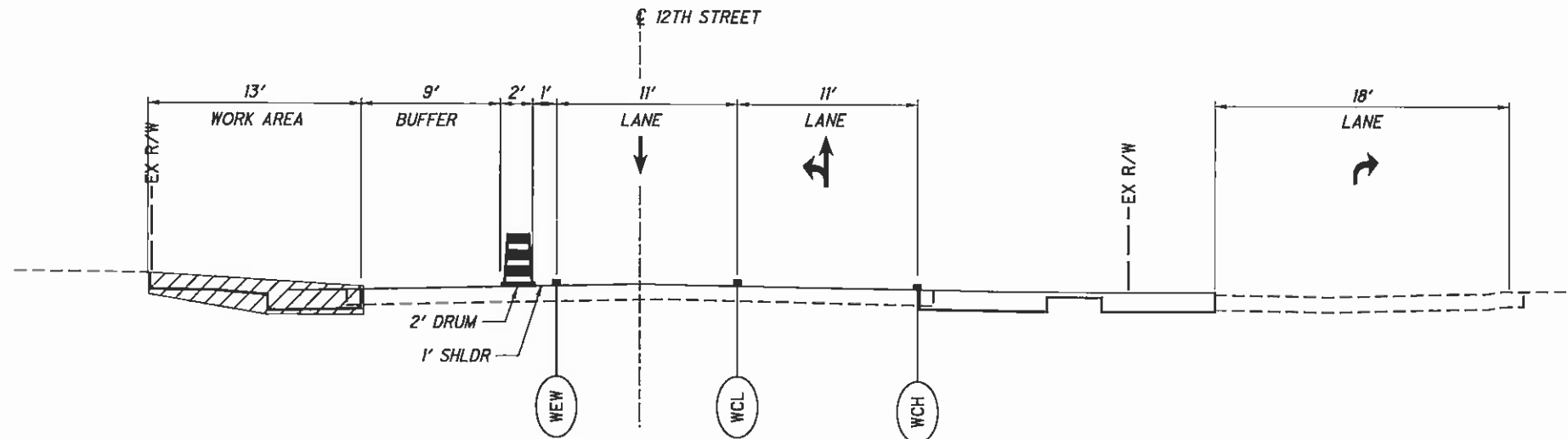
J:\TS\11\1-060 12th Street\STA\85299\mot\sheet\85229my002\_ph02.dgn 10/7/2011 7:48:13 AM mmayer ODOT\BI\_PDF\_Half\_pltcfq ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.



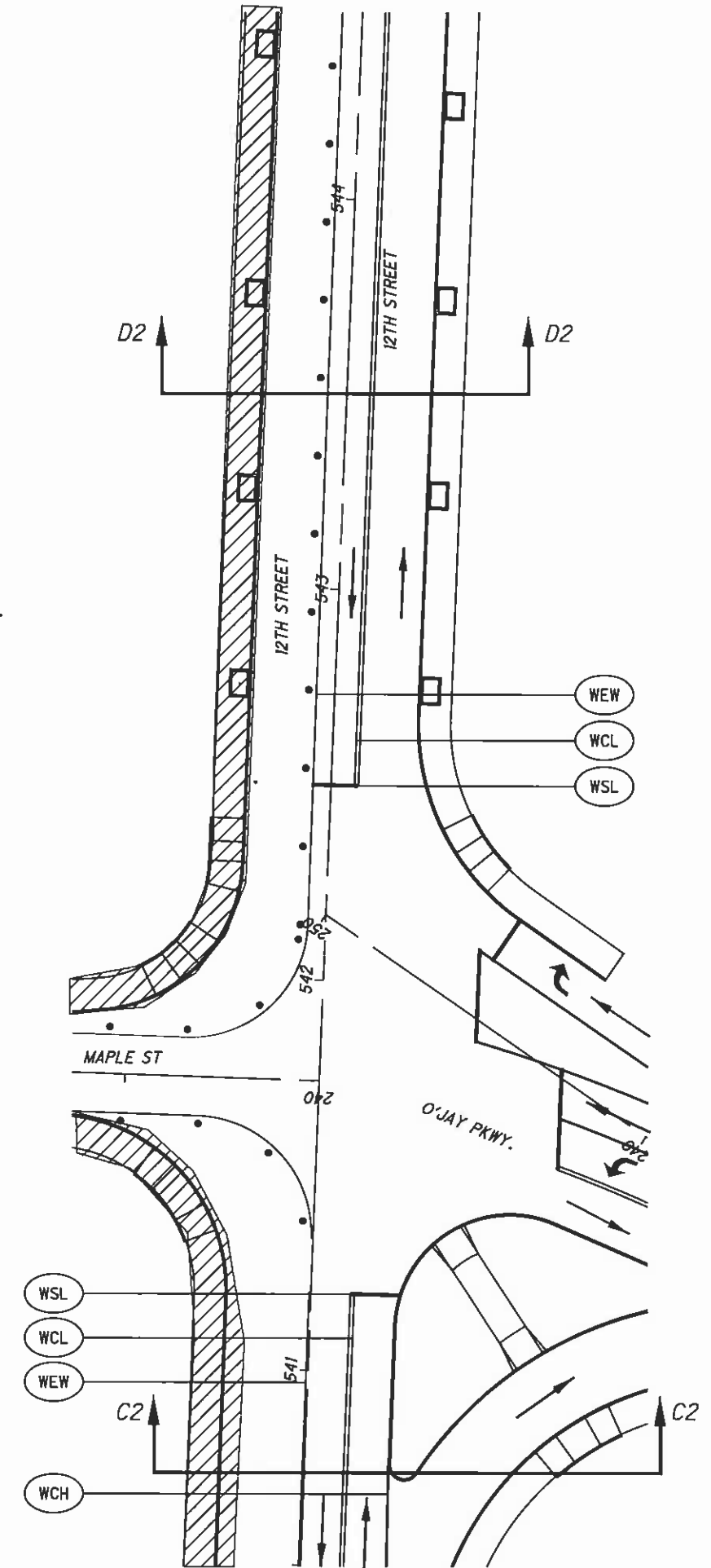
TYPICAL SECTION D2-D2  
PHASE 2  
STA. 543+50  
MAINLINE

NOTES:

1. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 14.
2. FOR LEAD-IN AND END TAPER DETAILS SEE SHEETS 18 AND 19.
3. FOR LEFT TURN LANE TAPER DETAILS SEE SHEET 20.
4. FOR SIDE ROADS AND DRIVE DETAILS SEE SHEET 23.
5. TRAFFIC AT SIGNALIZED INTERSECTIONS WILL BE MAINTAINED USING EXISTING SIGNALS, PROPOSED SIGNALS AND OR STOP CONTROL ON SIDE ROADS.



TYPICAL SECTION C2-C2  
PHASE 2  
STA. 540+75  
O'JAY PARKWAY



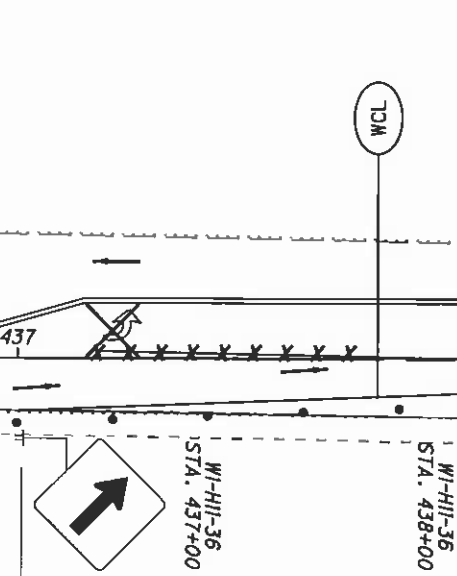
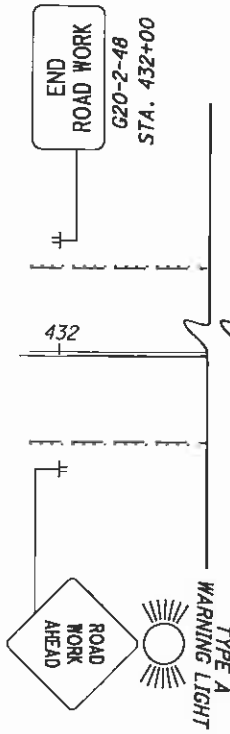
CALCULATED  
MAM  
CHECKED  
DLW

CONCEPTUAL MAINTENANCE OF TRAFFIC - PHASE 2  
TYPICAL SECTIONS

STA-12TH STREET

END ROAD WORK  
G20-2-48  
STA. 432+00

W20-1-36  
STA. 432+00

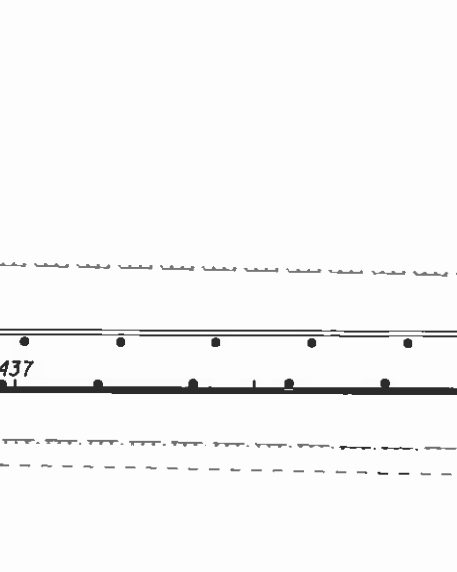
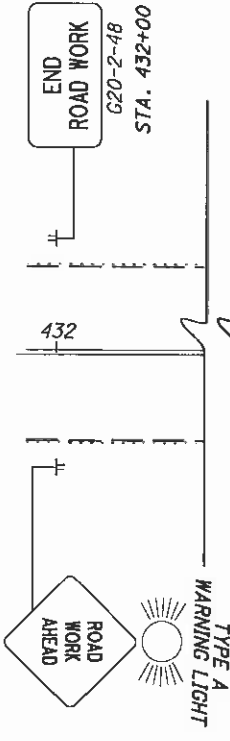


LEAD-IN TAPER DETAIL - PHASE 1

NOTE:  
1. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 14.

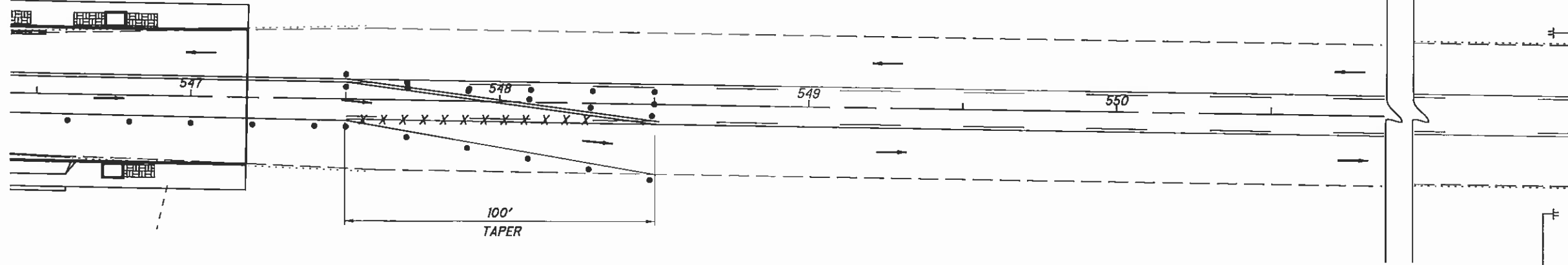
END ROAD WORK  
G20-2-48  
STA. 432+00

W20-1-36  
STA. 432+00

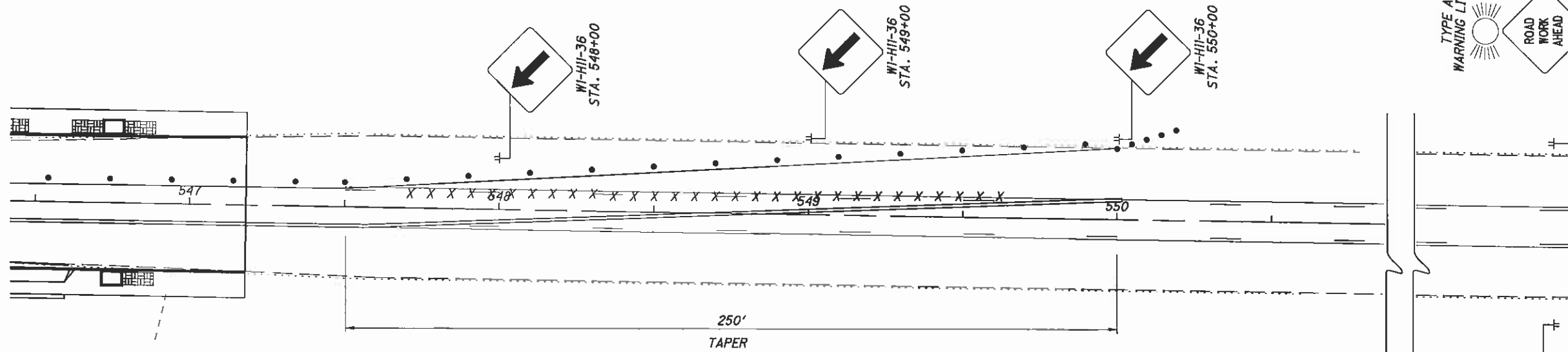


END TAPER DETAIL - PHASE 2

 HORIZONTAL SCALE IN FEET 0 10 20			
CALCULATED	MAM	CHECKED	DLW
MAINTENANCE OF TRAFFIC END & LEAD-IN TAPER DETAILS - PHASE 1 & 2			
STA-12TH STREET			
18		317	



END TAPER DETAIL - PHASE 1



LEAD-IN TAPER DETAIL - PHASE 2

NOTE:

1. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 14.

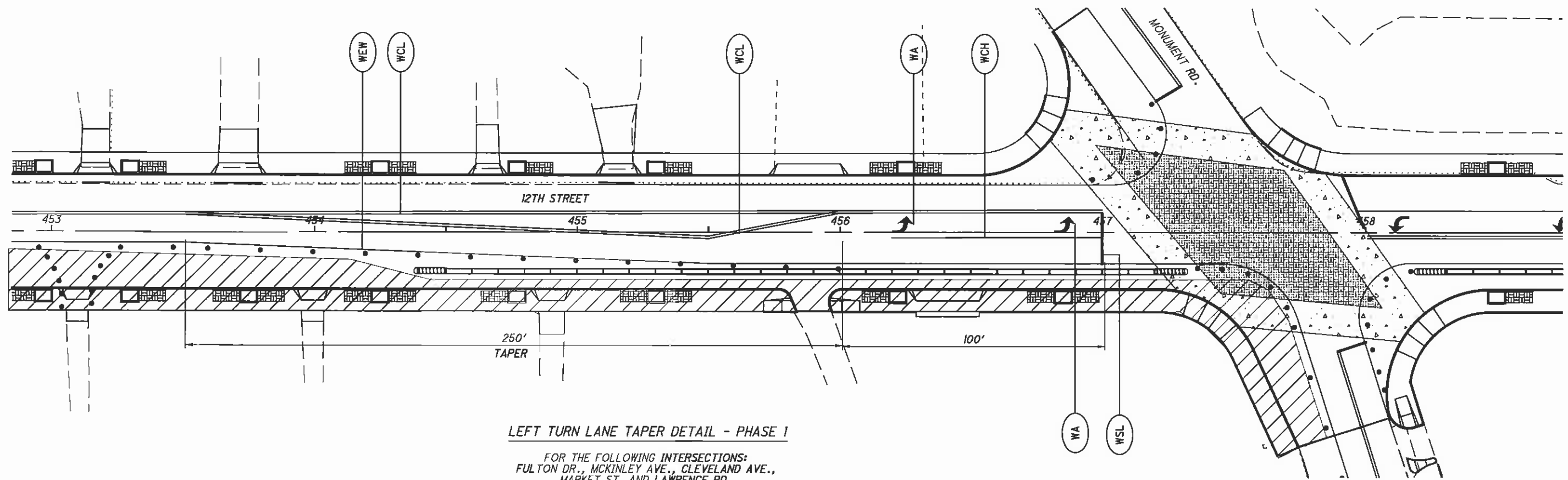


CALCULATED 0  
MAM  
CHECKED DLW

STA-12TH STREET  
END & LEAD-IN TAPER DETAILS - PHASE 1 & 2

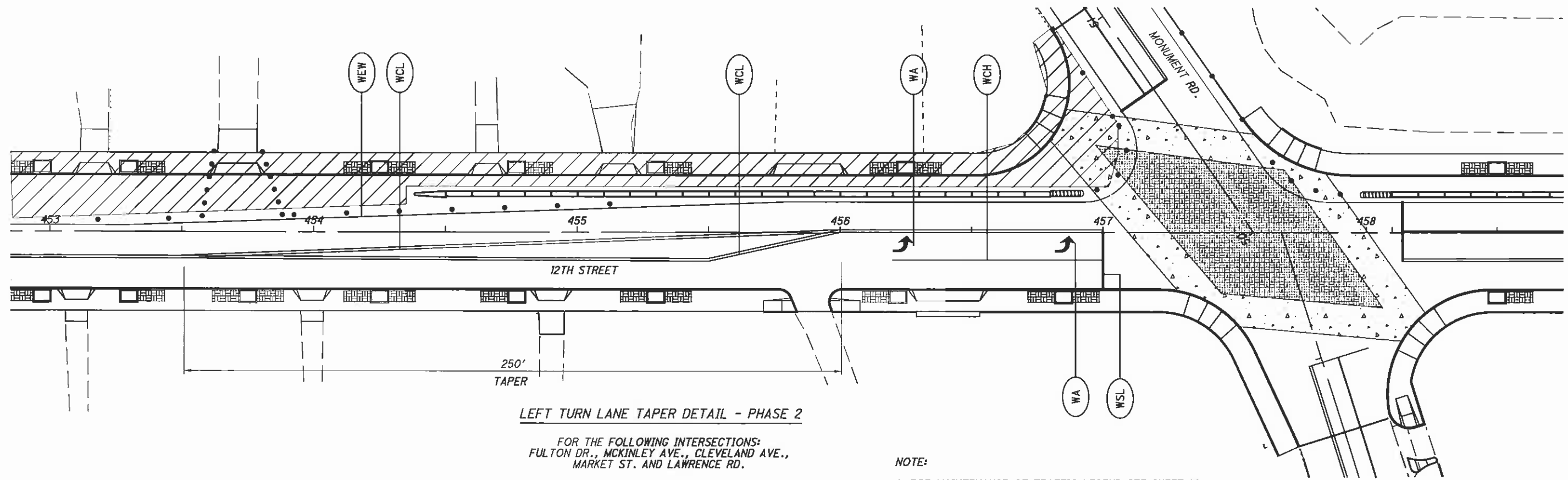
STA-12TH STREET

J:\TSS\11-060 12th Street\STA\85299.mot\sheets\85229.mcd103.dgn 10/7/2011 7:48:19 AM mmoyer ODOTV8i\_PDF\_Half.plt c:\g\ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.



**LEFT TURN LANE TAPER DETAIL - PHASE 1**

FOR THE FOLLOWING INTERSECTIONS:  
FULTON DR., MCKINLEY AVE., CLEVELAND AVE.,  
MARKET ST. AND LAWRENCE RD.



**LEFT TURN LANE TAPER DETAIL - PHASE 2**

FOR THE FOLLOWING INTERSECTIONS:  
FULTON DR., MCKINLEY AVE., CLEVELAND AVE.,  
MARKET ST. AND LAWRENCE RD.

NOTE:

1. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 14.

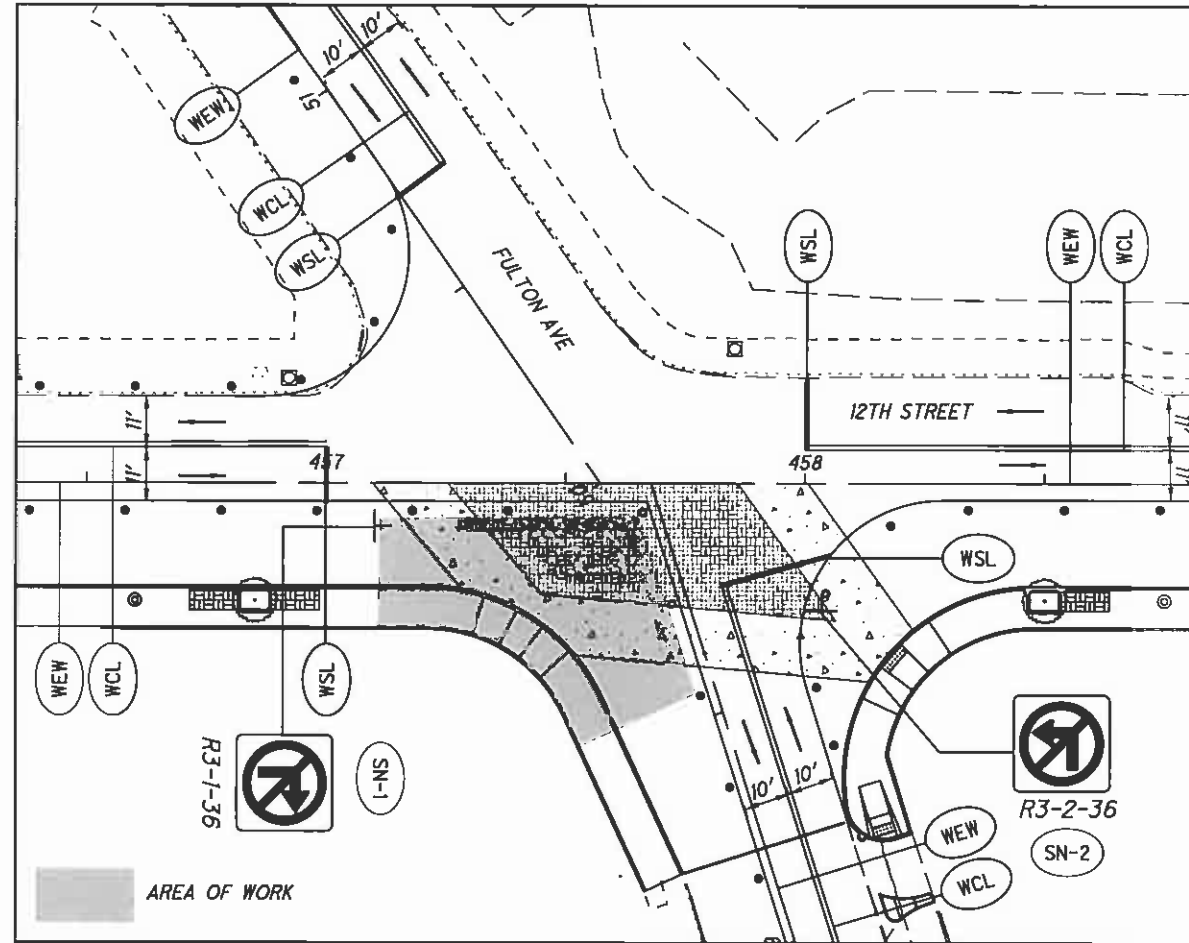
CALCULATED MAM CHECKED DLW

0 10 20 40  
HORIZONTAL SCALE IN FEET

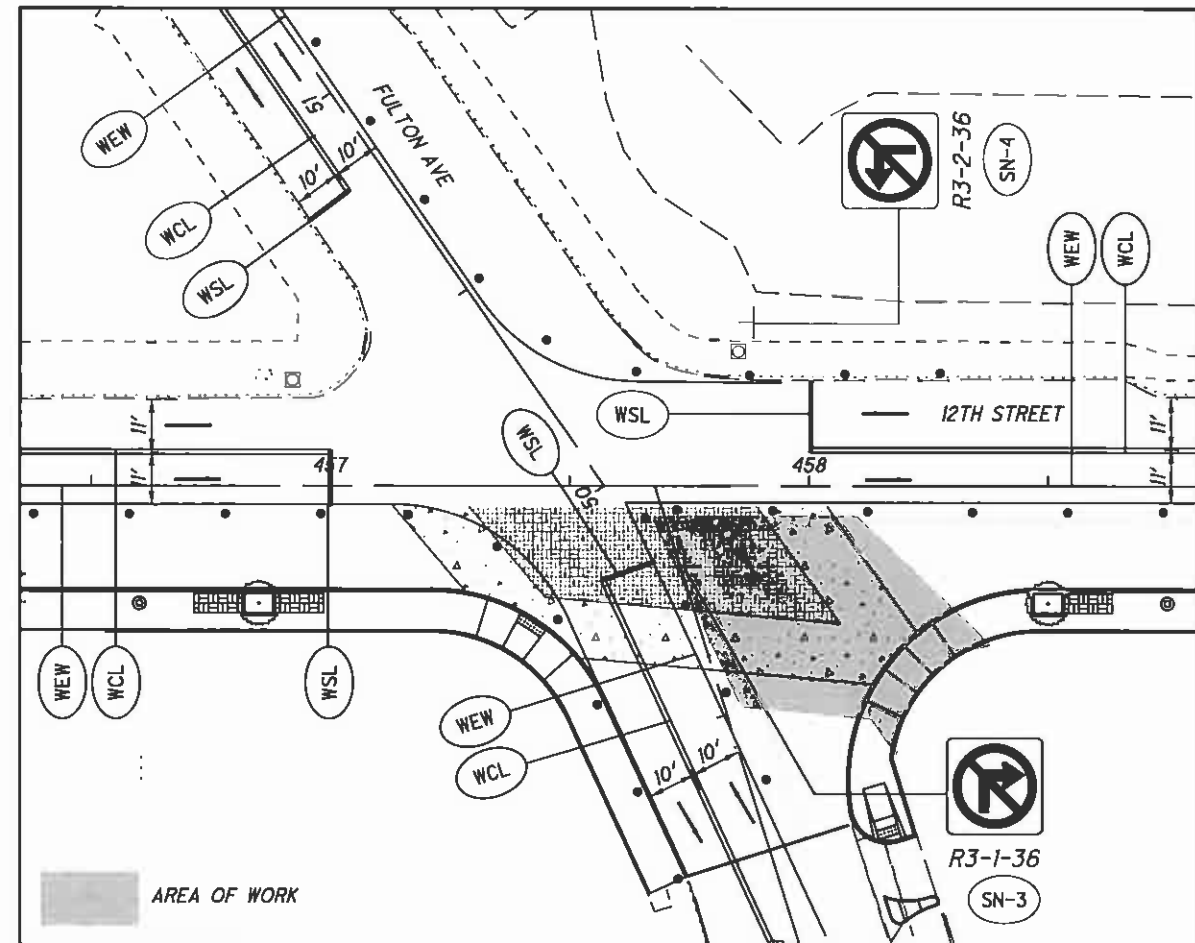
MAINTENANCE OF TRAFFIC - PHASE 1 & 2  
LEFT TURN LANE TAPER DETAILS

STA-12TH STREET

J:\TSS\11-060 12th Street\STA\85299\mot\sheet\85229md001.ph01.dgn 10/7/2011 7:48:22 AM mmayer ODOTVB\_PDF\_Half.plt c:\g\odotvb\Pen-ME.tbi M-E Companies, Inc.



SUB-PHASE 1A



SUB-PHASE 1B

NOTES:

1. THE INTERSECTIONS TO BE BUILT IN FOUR SUB-PHASES ARE 12TH STREET AND FULTON AVE., MARKET AVE., CLEVELAND AVE., WALNUT AVE., CHERRY AVE., OJAY BLVD.

2. THE AREA OF WORK WILL BE LIMITED TO THE REMOVAL OF THE EXISTING PAVEMENT, PLACEMENT OF CONCRETE CROSSWALK, CONCRETE BASE AND BRICK PAVERS. THE WORK WILL BE COMPLETED IN FOUR SUB-PHASES (1A, 1B, 2A, AND 2B).

THE WORK FOR EACH SUB-PHASE WILL NOT BEGIN UNTIL 6:00PM FRIDAY AND WILL BE OPEN TO TRAFFIC BY 6:00AM MONDAY.

AS SHOWN ABOVE, SOME LEFT TURN AND RIGHT TURN MOVEMENTS WILL BE PROHIBITED DURING CONSTRUCTION OF EACH PHASE.

3. SIGNS SN-1 AND SN-4 DO NOT APPLY FOR THE INTERSECTIONS OF 12TH STREET AND CLEVELAND AVE. AND 12TH STREETS AND CHERRY AVE. DUE TO THEIR ONE-WAY MOVEMENT.

4. FOR SUB-PHASE 2A AND 2B SEE SHEET 22.

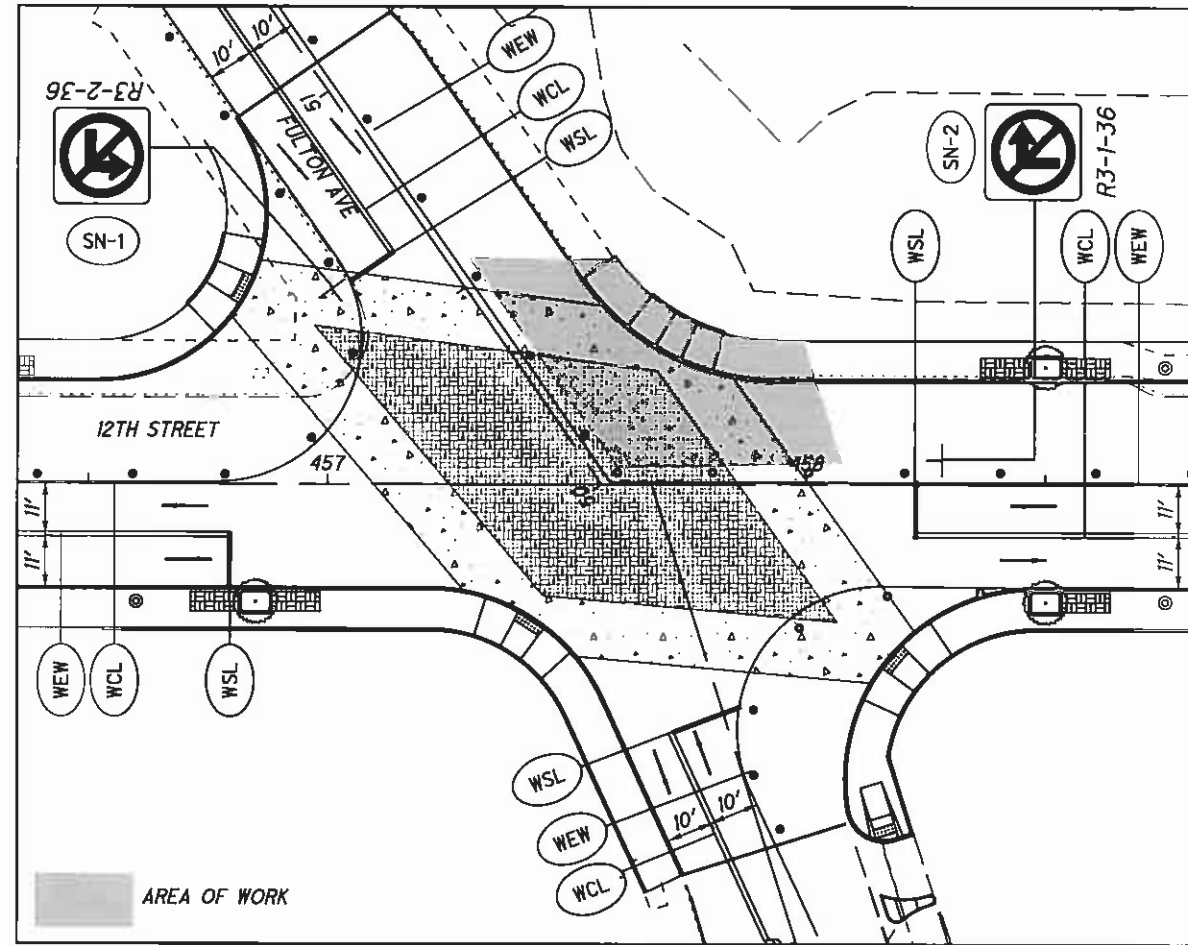
5. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET ...



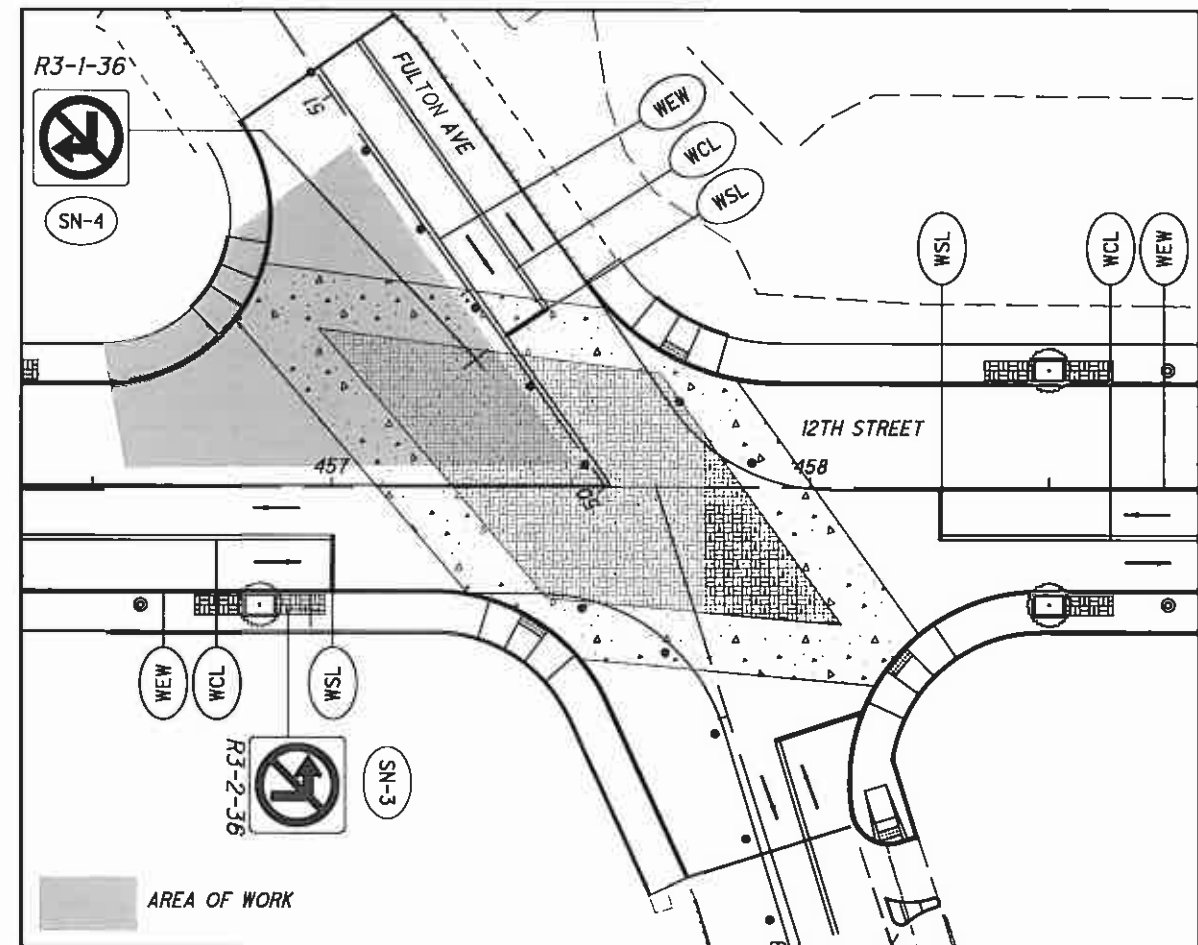
CALCULATED 0  
MAM  
CHECKED  
DLW

CONCEPTUAL MAINTENANCE OF TRAFFIC  
INTERSECTION DETAIL - SUB-PHASE 1A AND 1B

STA-12TH STREET



SUB-PHASE 2A



SUB-PHASE 2B

**NOTES:**

1. THE INTERSECTIONS TO BE BUILT IN FOUR SUB-PHASES ARE 12TH AND FULTON AVE., MARKET AVE., CLEVELAND AVE., WALNUT AVE., CHERRY AVE., OJAY BLVD.
2. THE AREA OF WORK WILL BE LIMITED TO THE REMOVAL OF THE EXISTING PAVEMENT, PLACEMENT OF CONCRETE CROSSWALK, CONCRETE BASE AND BRICK PAVERS. THE WORK WILL BE COMPLETED IN FOUR SUB-PHASES (1A, 1B, 2A, AND 2B).  
  
THE WORK FOR EACH SUB-PHASE WILL NOT BEGIN UNTIL 6:00PM FRIDAY AND WILL BE OPEN TO TRAFFIC BY 6:00AM MONDAY.
3. AS SHOWN ABOVE, SOME LEFT TURN AND RIGHT TURN MOVEMENTS WILL BE PROHIBITED DURING CONSTRUCTION OF EACH PHASE.
3. SIGNS SN-2 AND SN-3 DO NOT APPLY FOR THE INTERSECTIONS OF 12TH STREET AND MCKINLRY AVE. AND 12TH STREET AND WALNUT AVE. DUE TO THE ONE-WAY MOVEMENT OF MCKINLEY AVE. AND WALNUT AVE..
4. FOR SUB-PHASE 1A AND 1B SEE SHEET 21.
5. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET ...



0 10 20  
HORIZONTAL SCALE IN FEET

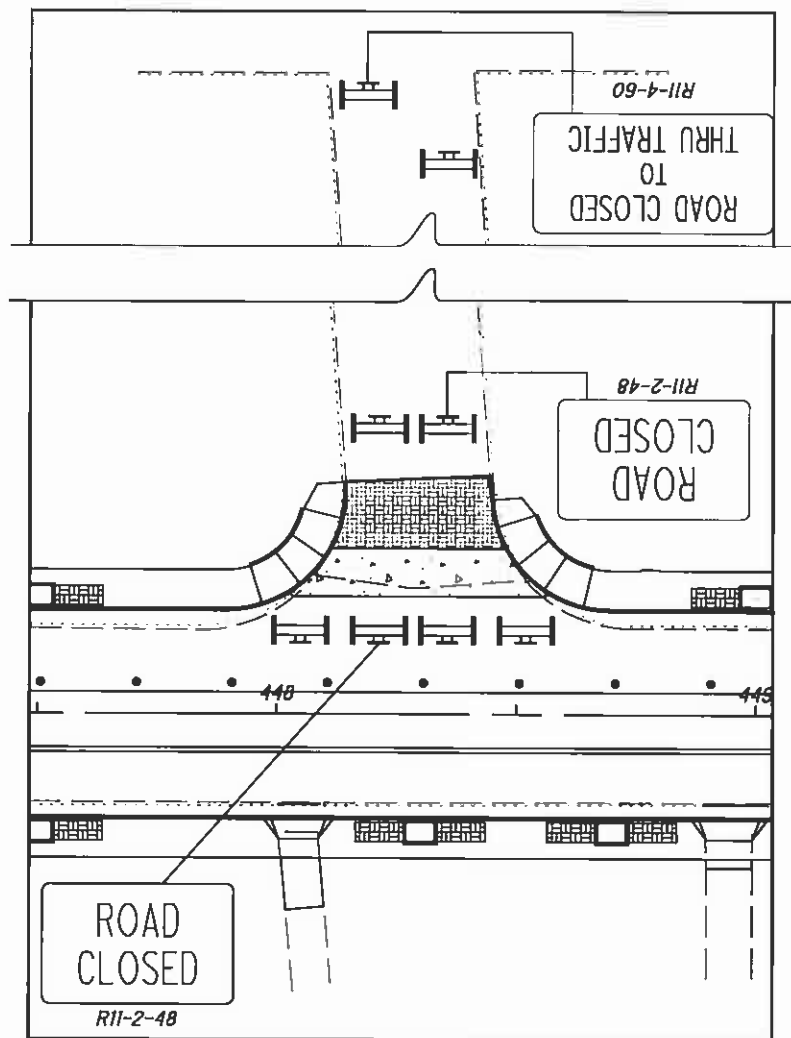
CALCULATED MAM  
CHECKED DLW

CONCEPTUAL MAINTENANCE OF TRAFFIC INTERSECTION DETAIL - SUB-PHASE 2A AND 2B

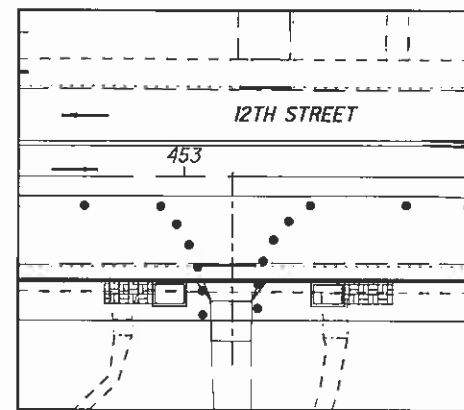
STA - 12TH STREET

J:\TSA\11-060 12th Street\STA\85299\mol\sheet\85229\md\04.dgn 10/7/2011 7:48:28 AM mmoyer ODOT\BI\_PDF\_Hair.plt ODOT\BI\_PDF\_M-E Companies, Inc.

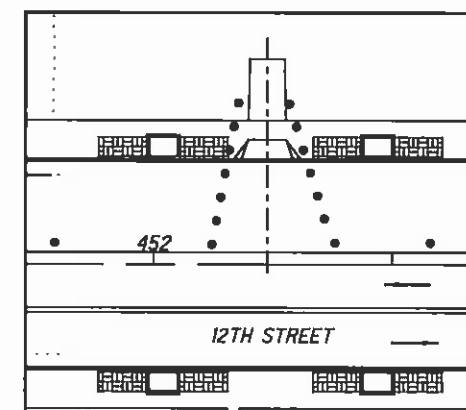
ROAD CLOSURE DETAIL



PHASE 1 - DRIVE DETAIL (PART-WIDTH CONSTR.)



PHASE 2 - DRIVE DETAIL (PART-WIDTH CONSTR.)



NOTES:

1. THE CONTRACTOR WILL CLOSE THE SIDE ROAD AS SHOW ABOVE DURING CONSTRUCTION.
2. THE DURATION OF THE CLOSURE CAN NOT EXCEED 5 DAYS.
3. NO TWO CONSECUTIVE SIDE ROADS WILL BE CLOSED AT THE SAME TIME.  
IF THE ALLEY OR SIDE ROAD HAS NO OUTLET THEN PART-WIDTH CONSTRUCTION WILL BE REQUIRED.
4. THIS WORK EXCLUDES MAJOR INTERSECTION SUCH AS: MONUMNET RD., FULTON DR., MCKINLEY AVE., CLEVELAND AVE., MARKET AVE., WALNUT AVE., CHERRY AVE., GIBBS AVE., LAWRENCE RD., AND O'JAY PKWY.



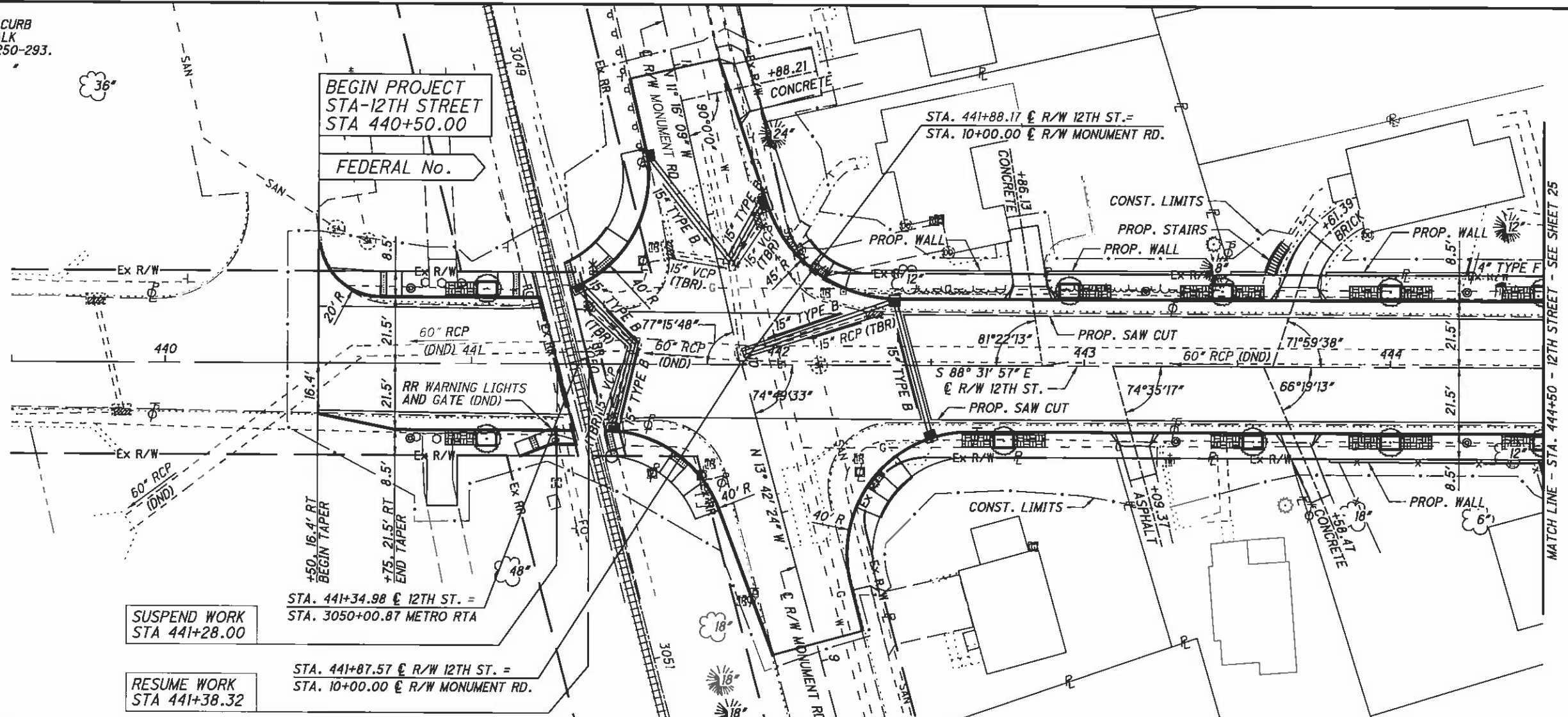
CALCULATED	MAM
CHECKED	DLW

MAINTENANCE OF TRAFFIC  
DRIVE AND END SIDE ROAD DETAILS

STA-12TH STREET

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

J:\JTS\11-060 12th Street\STA\B5299\roadway\sheet\B5299GPOD1.dgn 10/6/2011 3:32:41 PM dcbornharl ODOT\Bi\_PDF\_Half.plt.cjg ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.

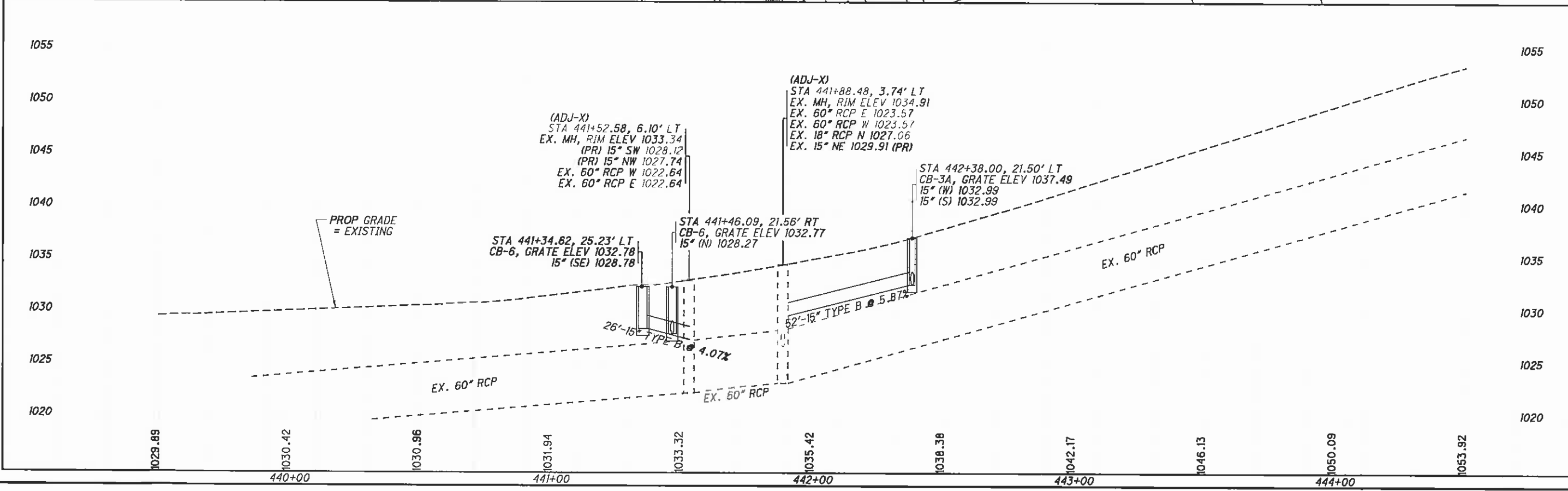


**SUSPEND WORK**  
STA 441+28.00

**RESUME WORK**  
STA 441+38.32

STA. 441+34.98 @ 12TH ST. =  
STA. 3050+00.87 METRO RTA

STA. 441+87.57 @ R/W 12TH ST. =  
STA. 10+00.00 @ R/W MONUMENT RD.



(ADJ-X)  
STA 441+52.58, 6.10' LT  
EX. MH, RIM ELEV 1033.34  
(PR) 15" SW 1028.12  
(PR) 15" NW 1027.74  
EX. 60" RCP W 1022.64  
EX. 60" RCP E 1022.64

(ADJ-X)  
STA 441+88.48, 3.74' LT  
EX. MH, RIM ELEV 1034.91  
EX. 60" RCP E 1023.57  
EX. 60" RCP W 1023.57  
EX. 18" RCP N 1027.06  
EX. 15" NE 1029.91 (PR)

STA 442+38.00, 21.50' LT  
CB-3A, GRATE ELEV 1037.49  
15" (W) 1032.99  
15" (S) 1032.99

STA 441+34.62, 25.23' LT  
CB-6, GRATE ELEV 1032.78  
15" (SE) 1028.78

STA 441+46.09, 21.56' RT  
CB-6, GRATE ELEV 1032.77  
15" (N) 1028.27



0 20 40  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
CHECKED

**PLAN AND PROFILE**  
**STA. 439+50 TO STA. 444+50**

**STA-12TH STREET**

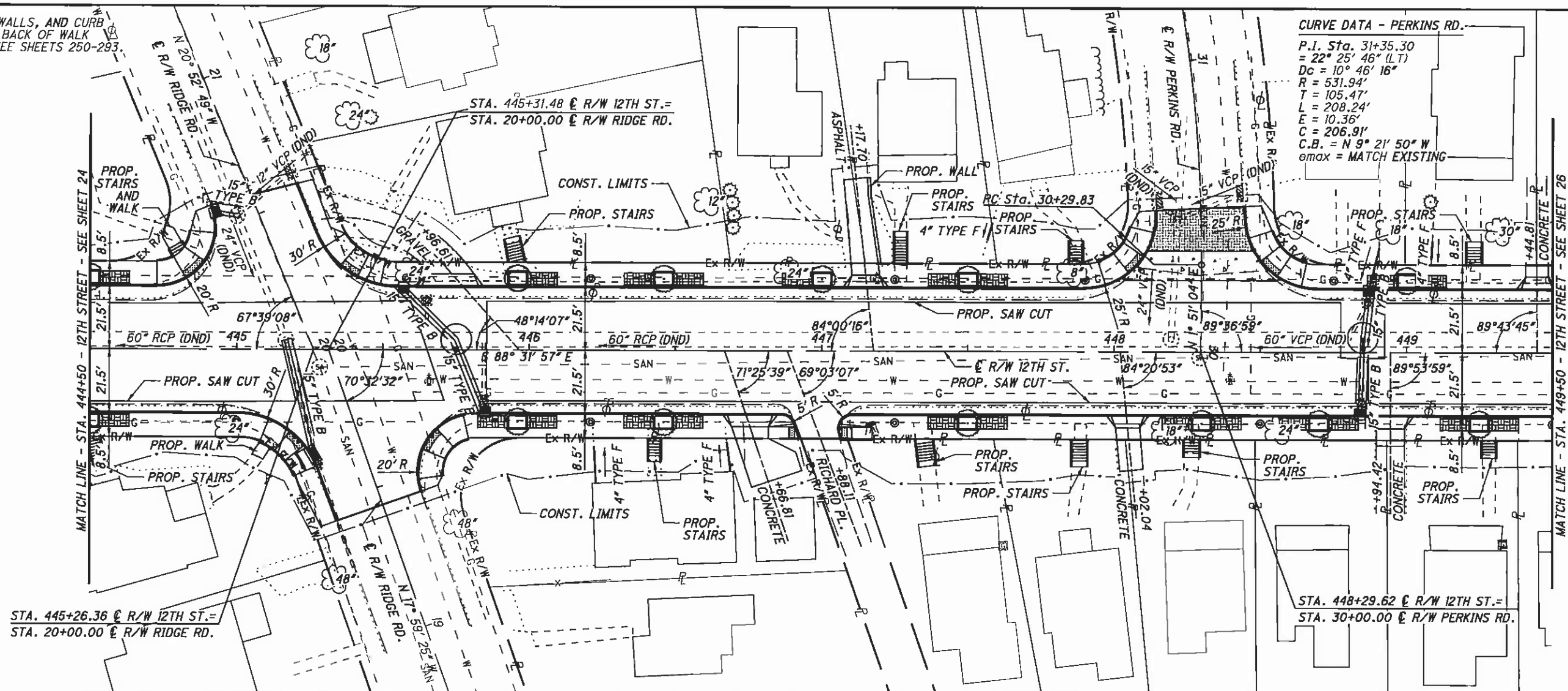


J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299P002.dgn 10/6/2011 3:32:43 PM dcbarhart ODOT\BI\_PDF\_Half.plt csg ODOT\BI\_Pen-ME.lbi M-E Companies, Inc.

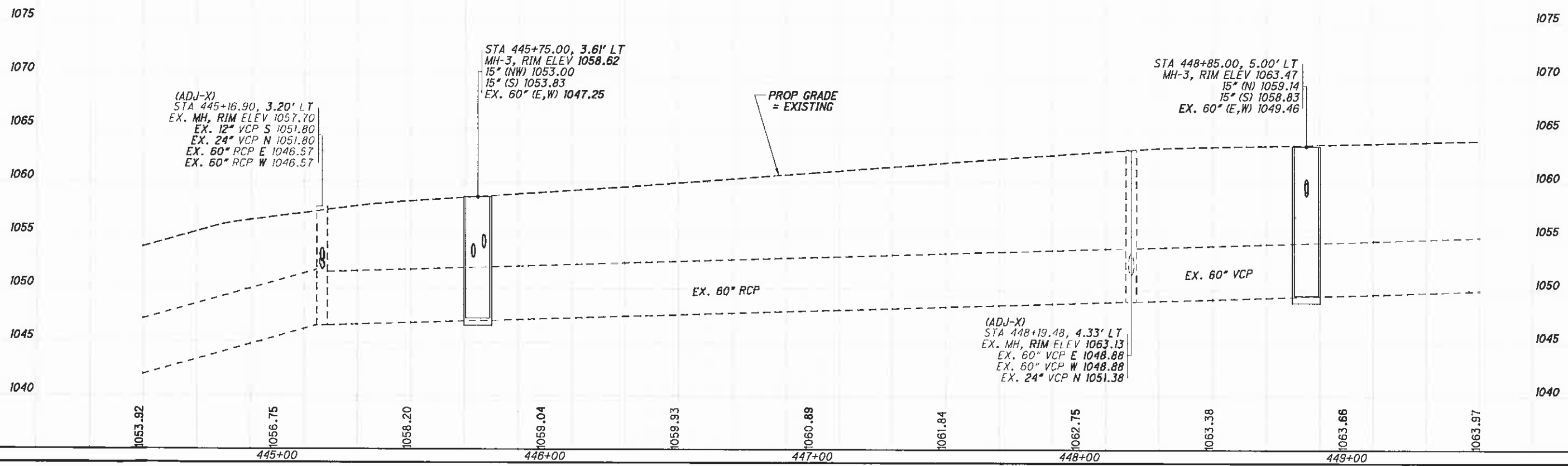
FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

CURVE DATA - PERKINS RD.

P.I. Sta. 31+35.30  
= 22° 25' 46" (LT)  
Dc = 10° 46' 16"  
R = 531.94'  
T = 105.47'  
L = 208.24'  
E = 10.36'  
C = 206.91'  
C.B. = N 9° 21' 50" W  
emax = MATCH EXISTING

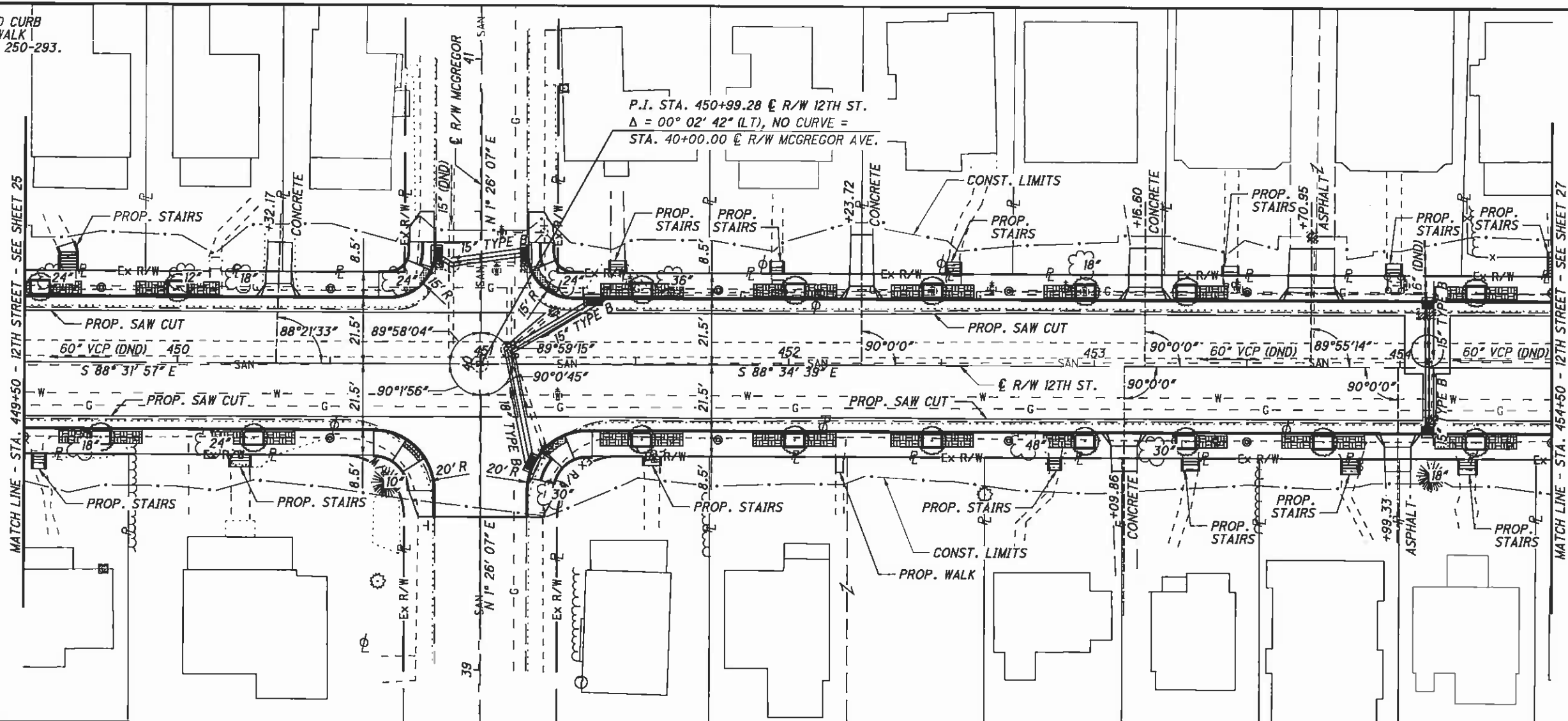


PLAN AND PROFILE  
STA. 444+50 TO STA. 449+50



FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\B5299GP003.dgn 10/6/2011 3:32:44 PM dcbarhart ODOTV81\_PDF\_Half.plt c:\g odotv81\_Pen-ME.tbl M-E Companies, Inc.



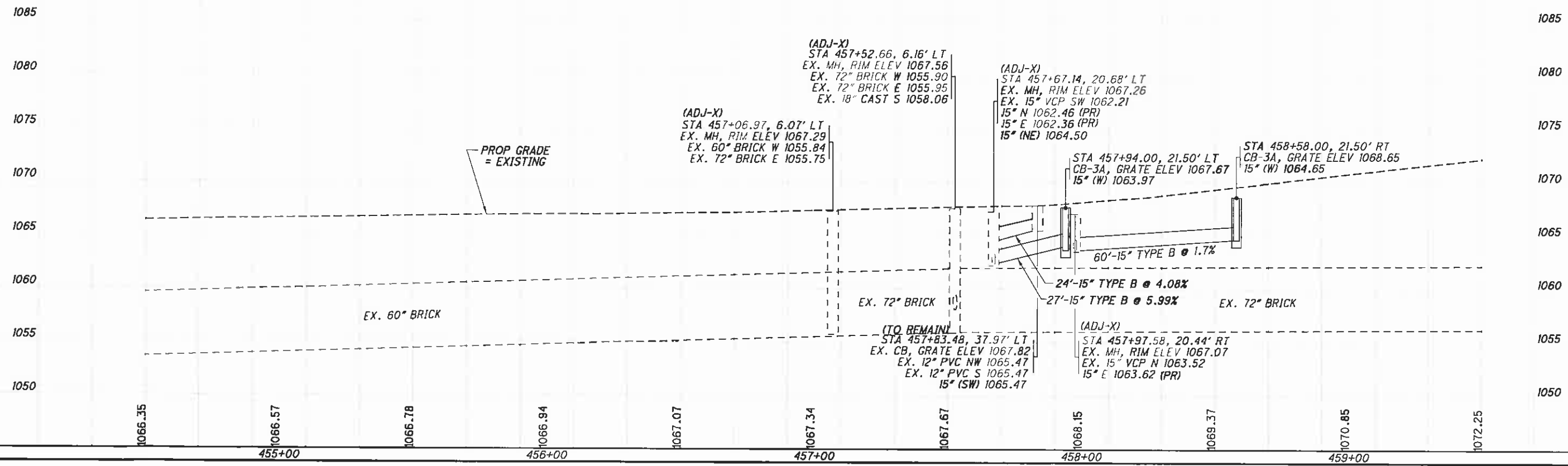
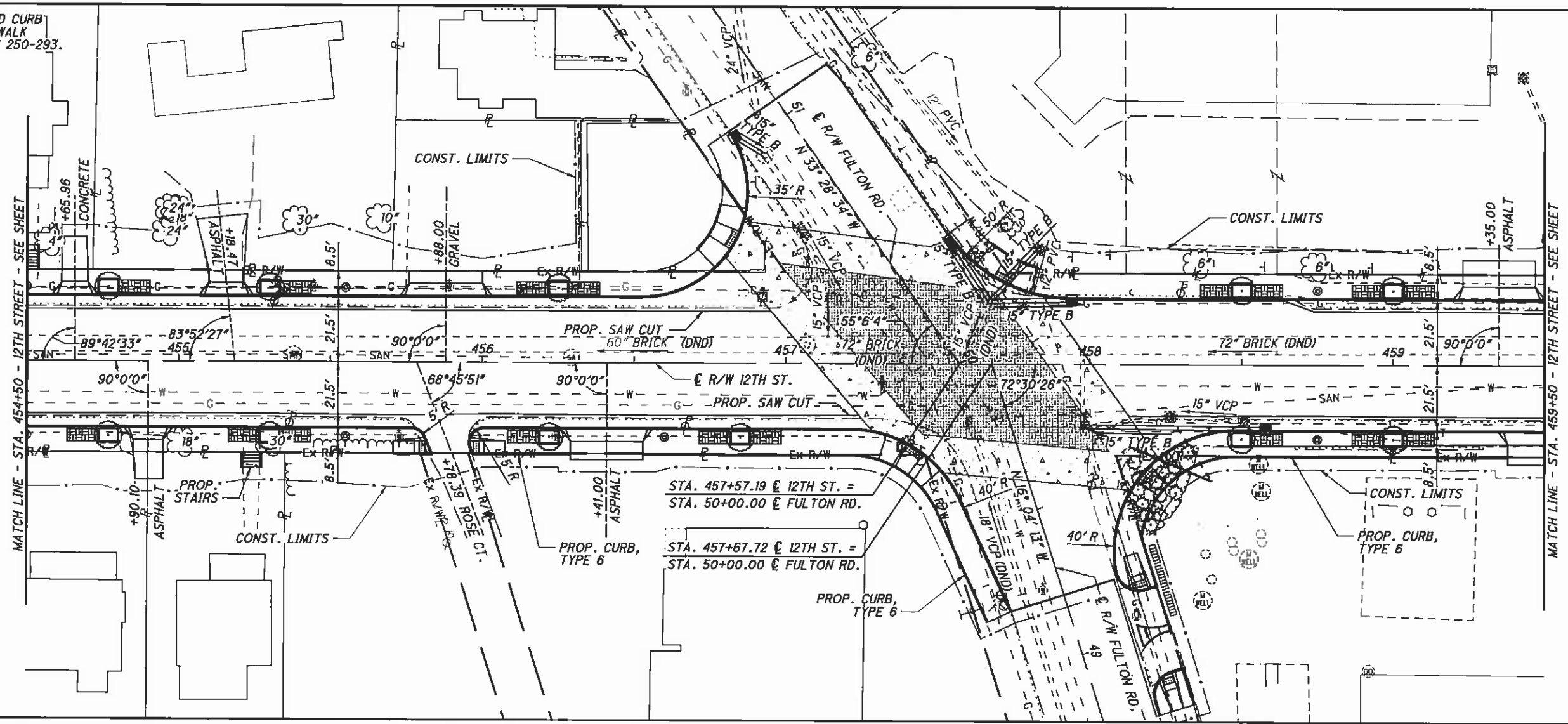
CALCULATED 0  
CHECKED

PLAN AND PROFILE  
STA. 449+50 TO STA. 454+50

STA-12TH STREET

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

J:\AT\11-060 12th Street\STA\85299\roadway\sheet\85299\004.dgn 10/6/2011 3:32:46 PM debarhart ODOT\B\Pen-ME.tbl M-E Companies, Inc.



0 10 20 30  
HORIZONTAL SCALE IN FEET

CALCULATED  
CHECKED

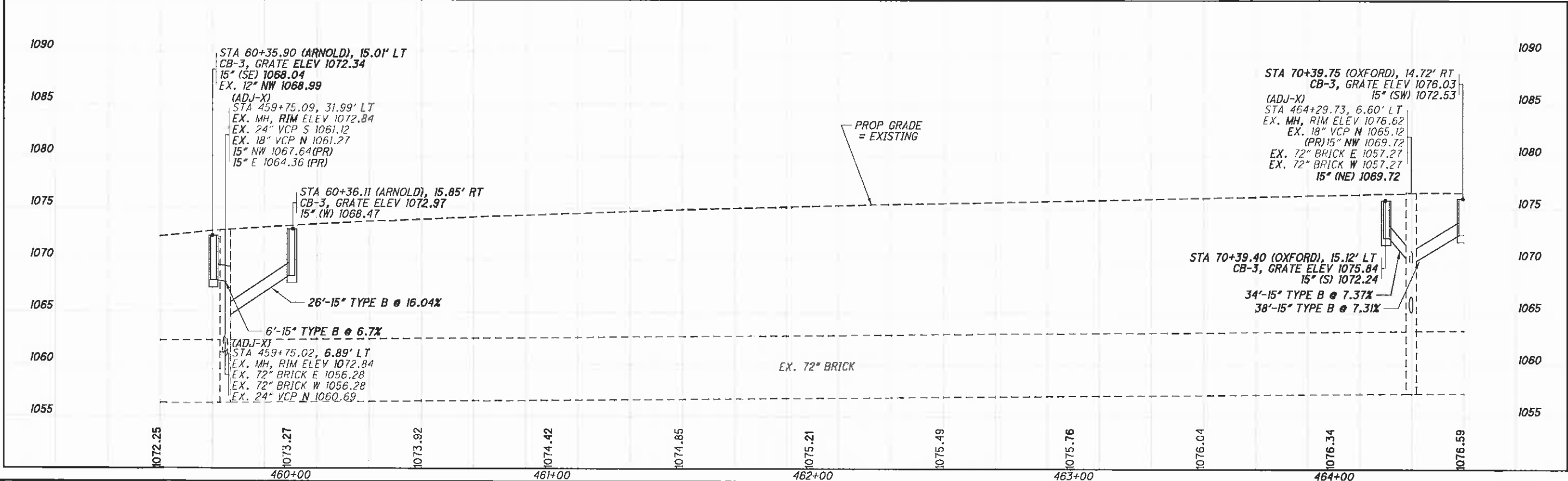
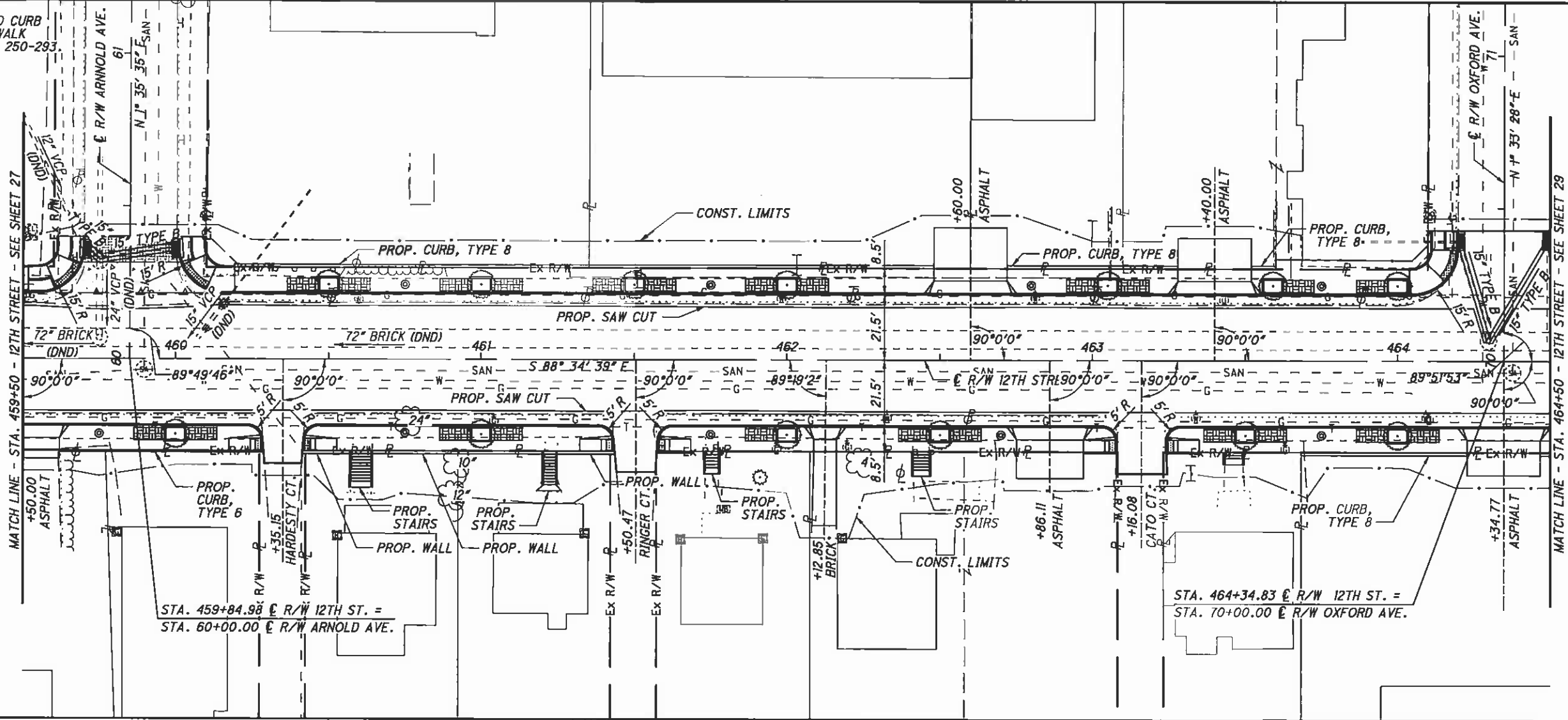
**PLAN AND PROFILE**  
**STA. 454+50 TO STA. 459+50**

**STA-12TH STREET**

27  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GP005.dgn 10/6/2011 3:32:47 PM dcbarhart\ ODOT\VI\_PDF\_Half.plt\cfig ODOT\VI\_Pen-ME.tbl M-E Companies, Inc.

FOR STAIRS, WALLS, AND CURB ADJACENT TO BACK OF WALK LOCATIONS, SEE SHEETS 250-293.

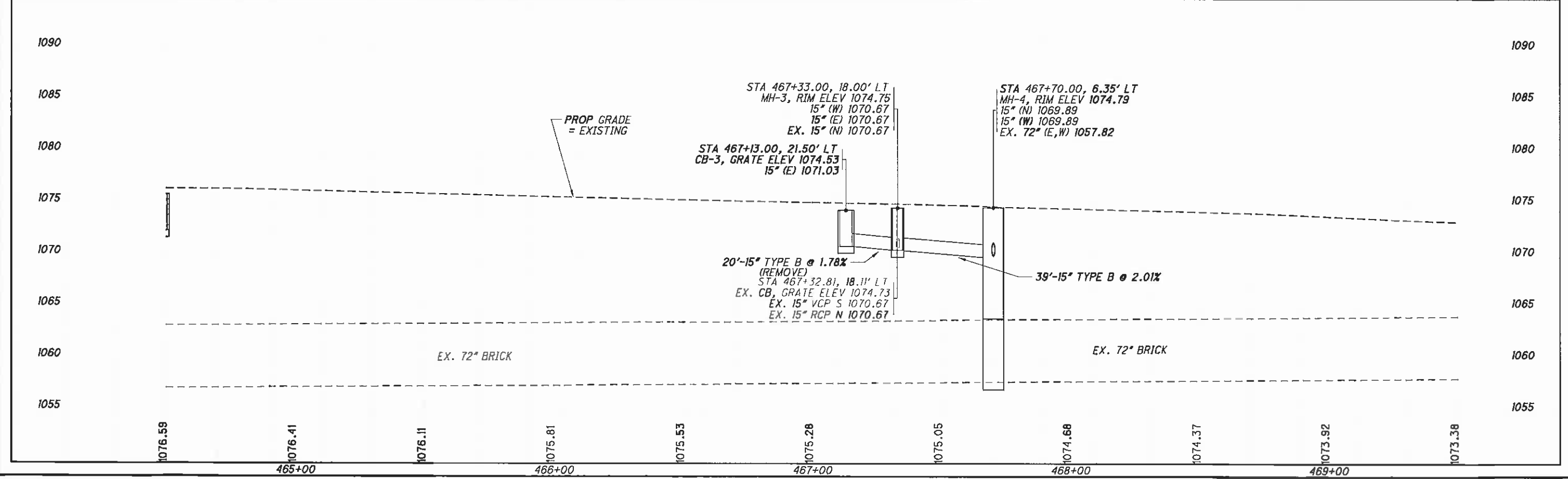
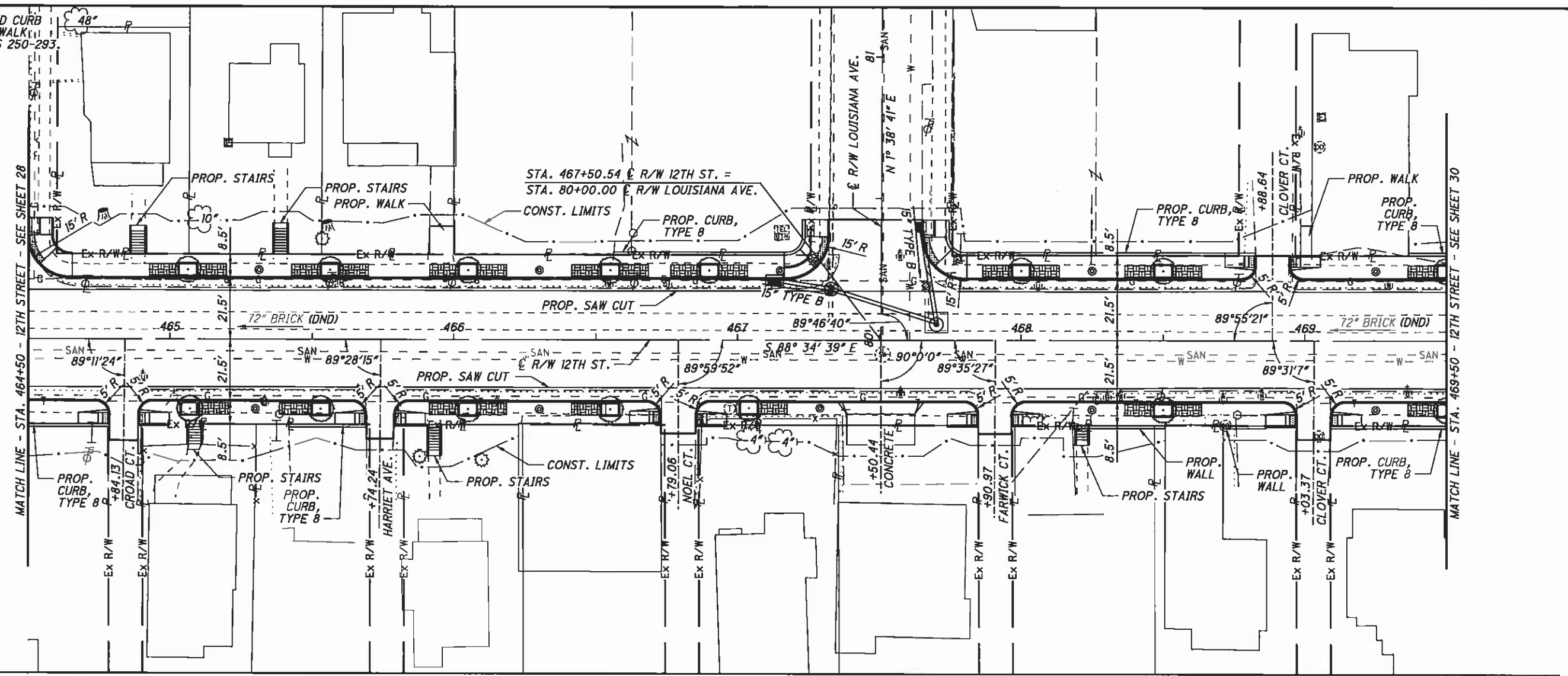


PLAN AND PROFILE  
STA. 449+50 TO STA. 464+50

STA-12TH STREET  
28  
317

J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\B5299GP006.dgn 10/6/2011 3:32:49 PM dcbarharl ODOT\BI\_PDF\_Half.plt:cig ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.

FOR STAIRS, WALLS, AND CURB ADJACENT TO BACK OF WALK LOCATIONS, SEE SHEETS 250-293.



CALCULATED  
CHECKED

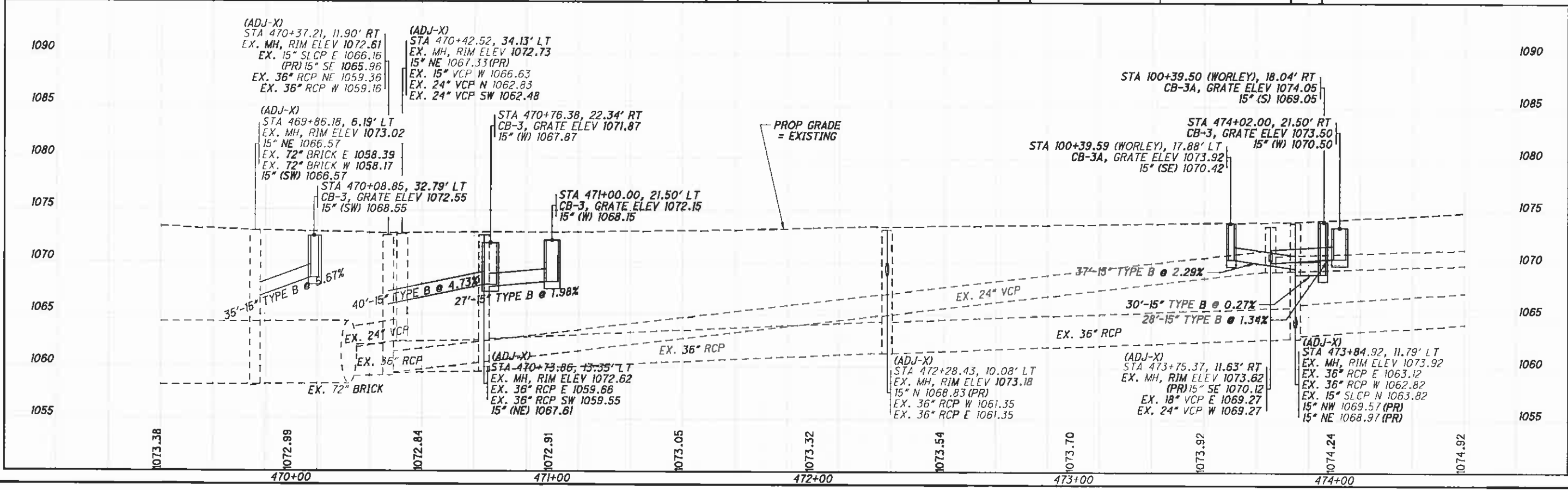
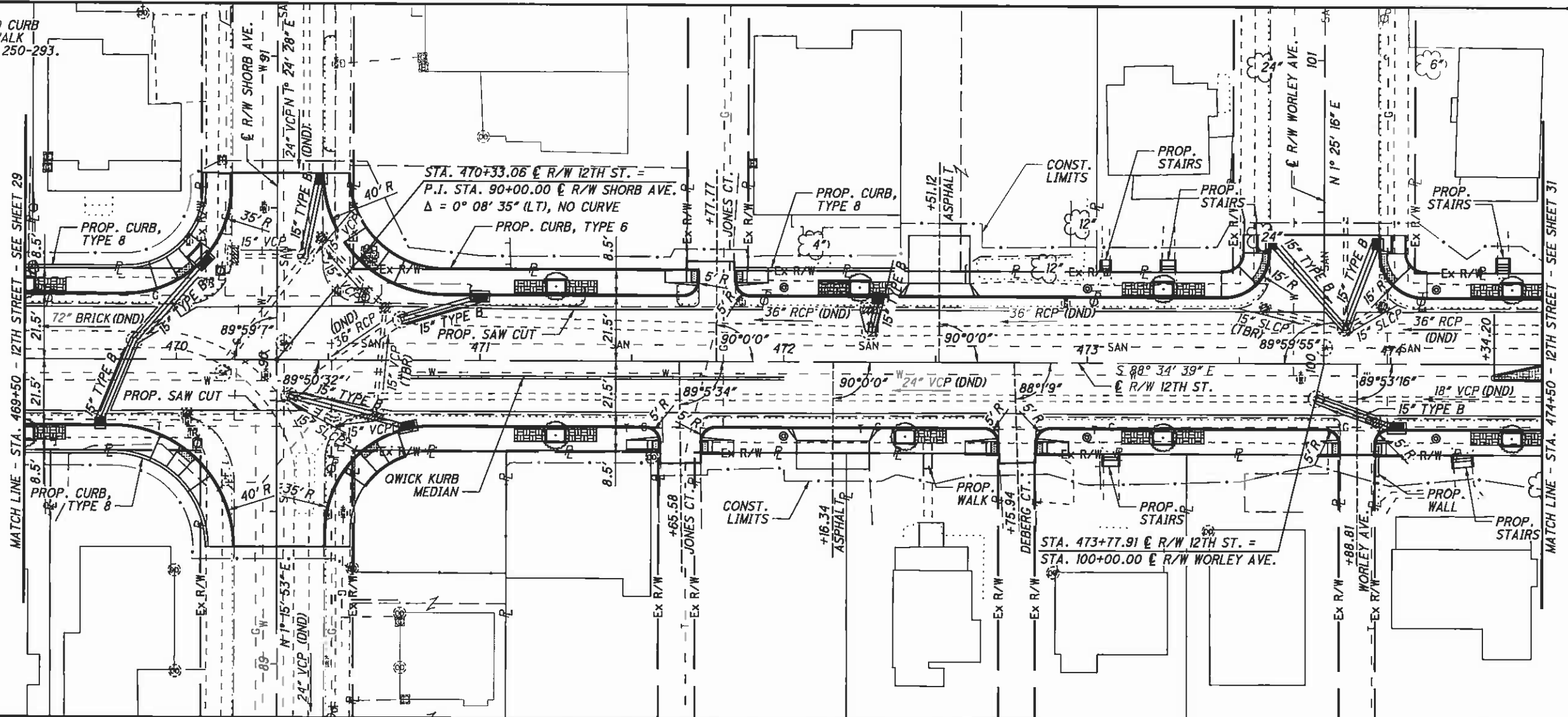
**PLAN AND PROFILE**  
**STA. 464+50 TO STA. 469+50**

**STA-12TH STREET**

29  
317

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299\007.dgn 10/6/2011 3:32:50 PM debarnhart\DOTVBI\_PDF\_Hatf.plt c:\g\DOTVBI\_Pen-ME.tbl M-E Companies, Inc.



**PLAN AND PROFILE**

**STA. 469+50 TO STA. 474+50**

**STA-12TH STREET**

CALCULATED 0

CHECKED

20

10

HORIZONTAL

SCALE IN FEET

30

317

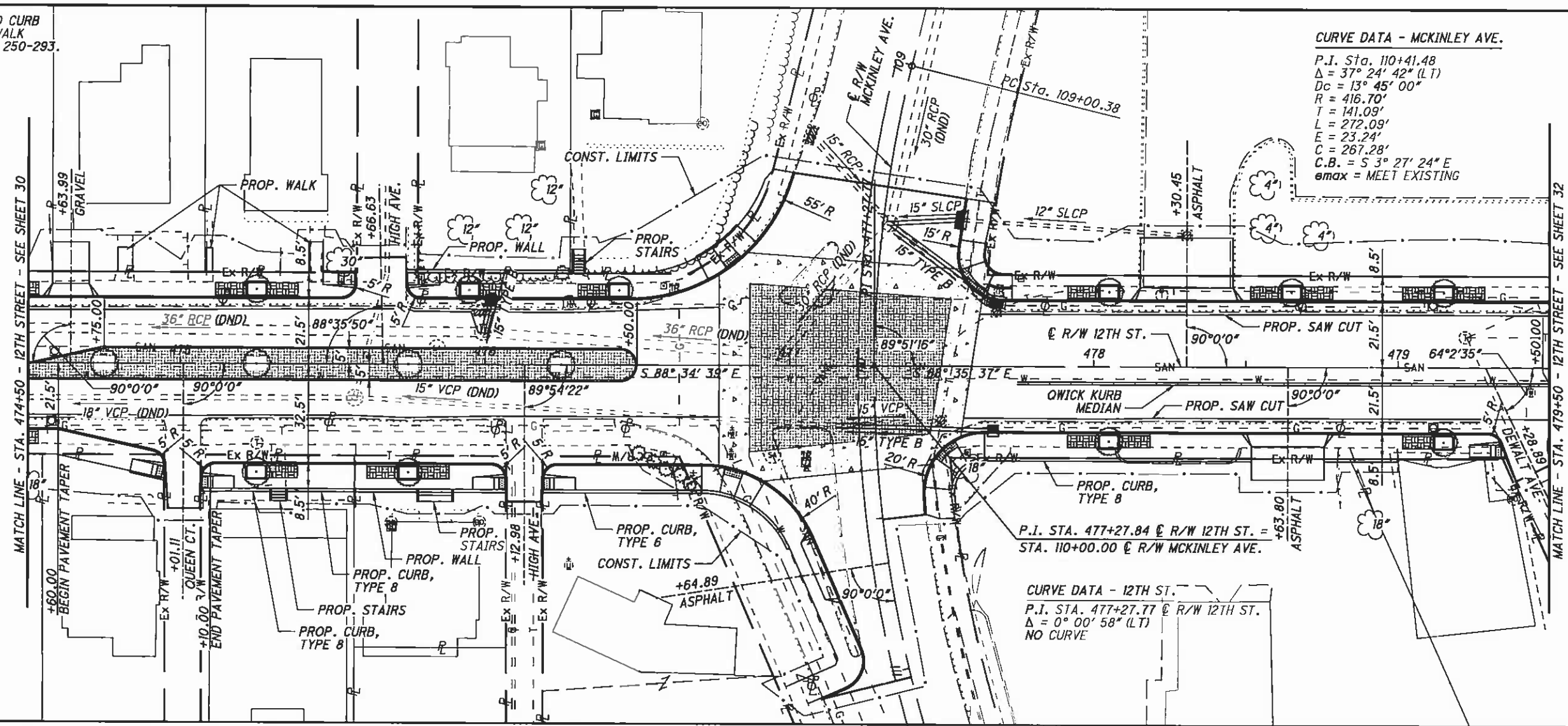
FOR STAIRS, WALLS, AND CURB ADJACENT TO BACK OF WALK LOCATIONS, SEE SHEETS 250-293.

**CURVE DATA - MCKINLEY AVE.**

P.I. Sta. 110+41.48  
 $\Delta = 37^\circ 24' 42''$  (LT)  
 $D_c = 13^\circ 45' 00''$   
 $R = 416.70'$   
 $T = 141.09'$   
 $L = 272.09'$   
 $E = 23.24'$   
 $C = 267.28'$   
 $C.B. = S 3^\circ 27' 24'' E$   
 $e_{max} = MEET EXISTING$

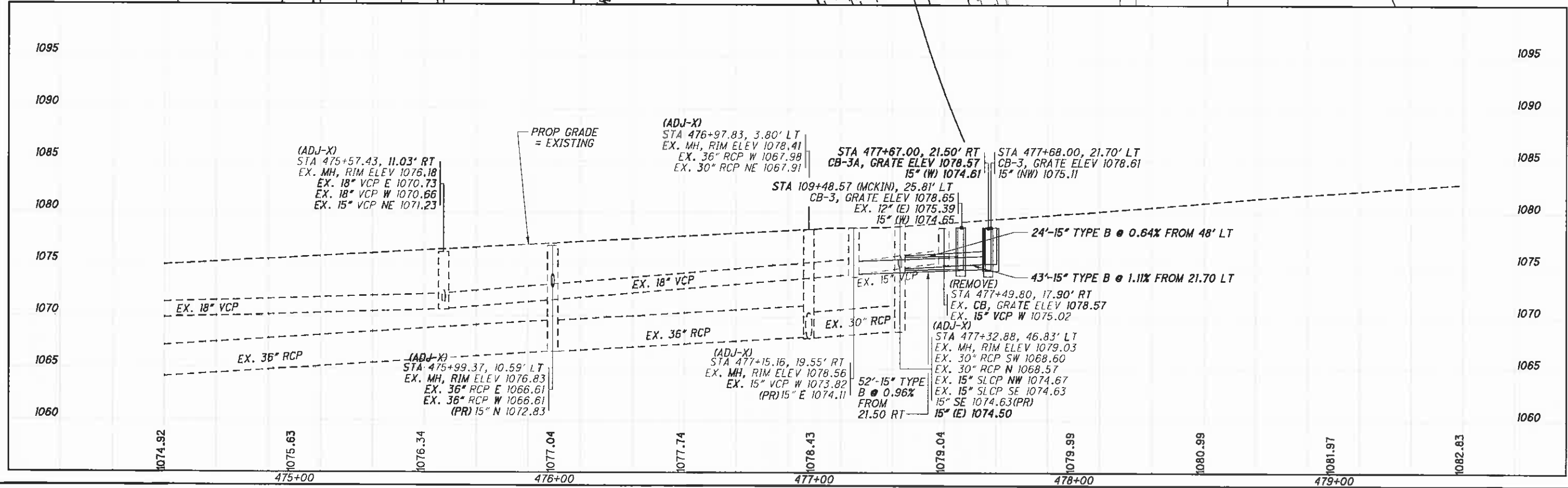
**CURVE DATA - 12TH ST.**

P.I. STA. 477+27.77 @ R/W 12TH ST.  
 $\Delta = 0^\circ 00' 58''$  (LT)  
 NO CURVE



**PLAN AND PROFILE**  
**STA. 474+50 TO STA. 479+50**

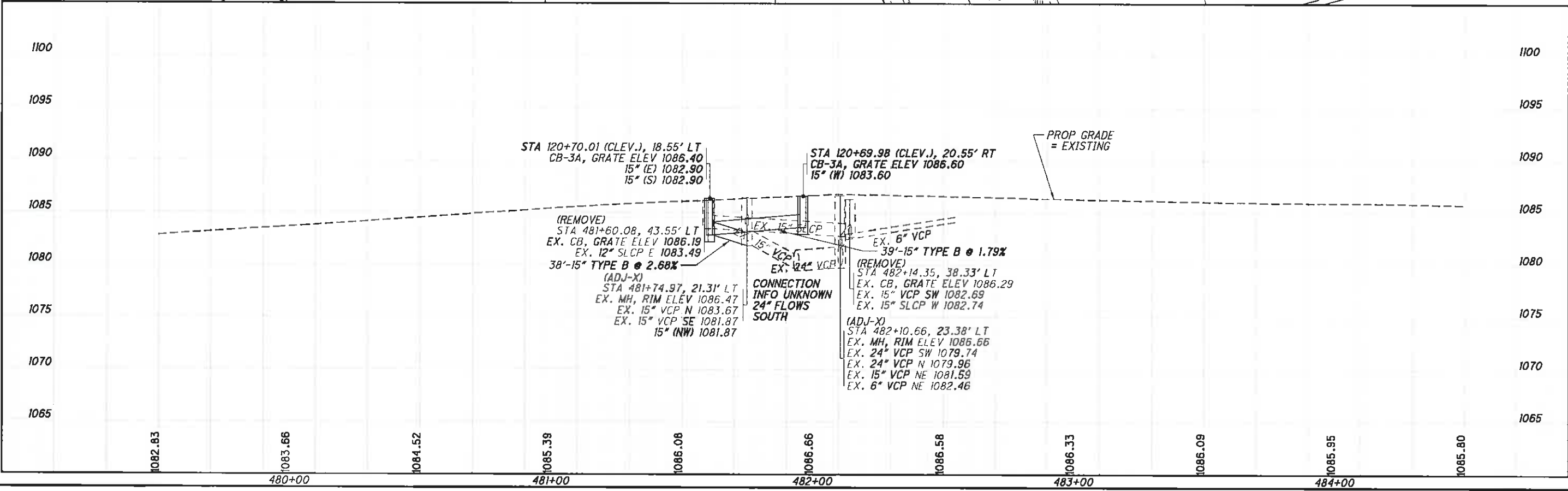
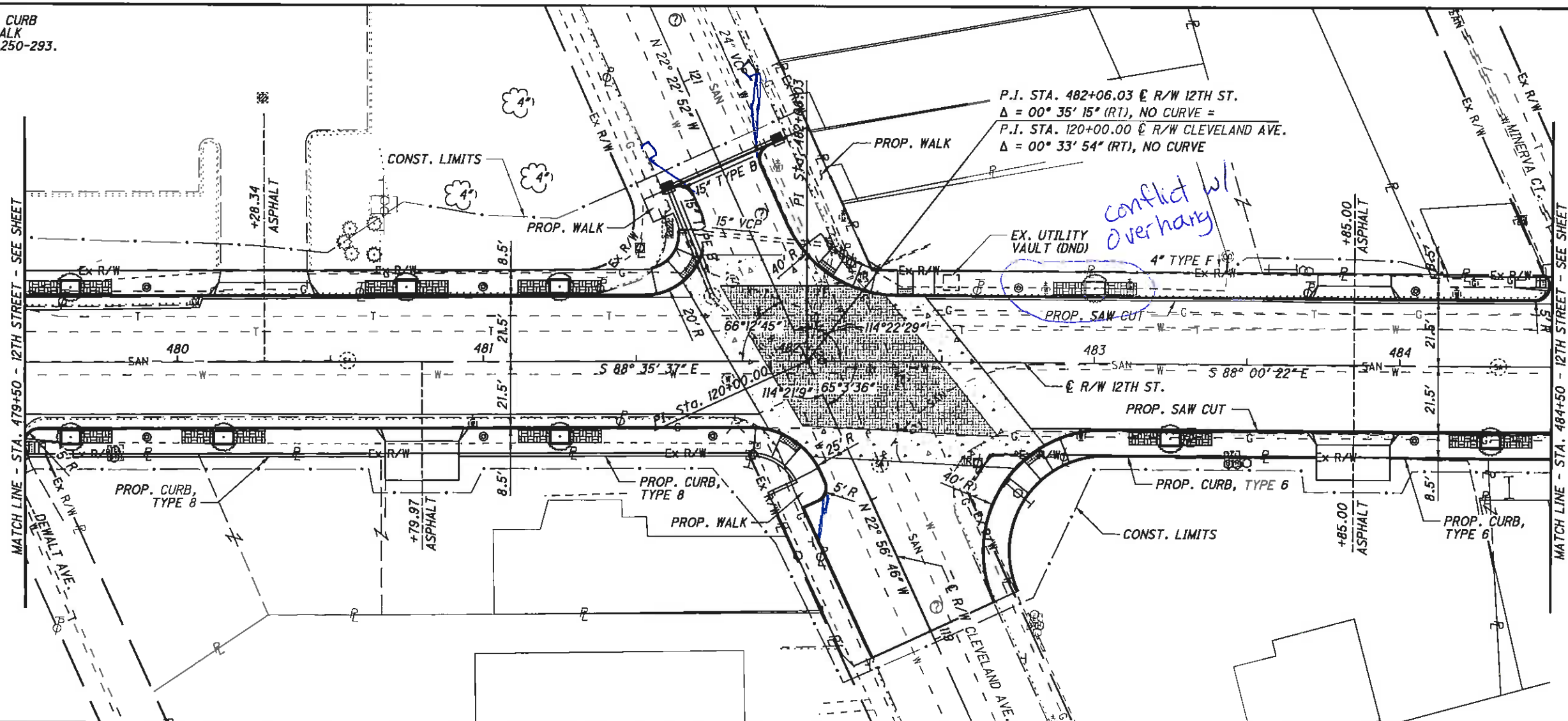
**STA - 12TH STREET**  
31  
317



J:\TS\11\1-060 12th Street\STA\B5299\roadway\sheet\B5299P008.dgn 10/6/2011 3:32:52 PM dcbarhart\ ODOT\B1\_PDF\_half\pic\g ODOT\B1\_Pen-ME.tbl M-E Companies, Inc.

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

J:\VTS\11-060 12th Street\STA\85299\roadway\sheet\85299GP009.dgn 10/6/2011 3:32:54 PM dcbarnhar\ ODOT\B\Pen-ME.tbl M-E Companies, Inc.



**PLAN AND PROFILE**  
**STA. 479+50 TO STA. 484+50**

**STA-12TH STREET**

32  
317

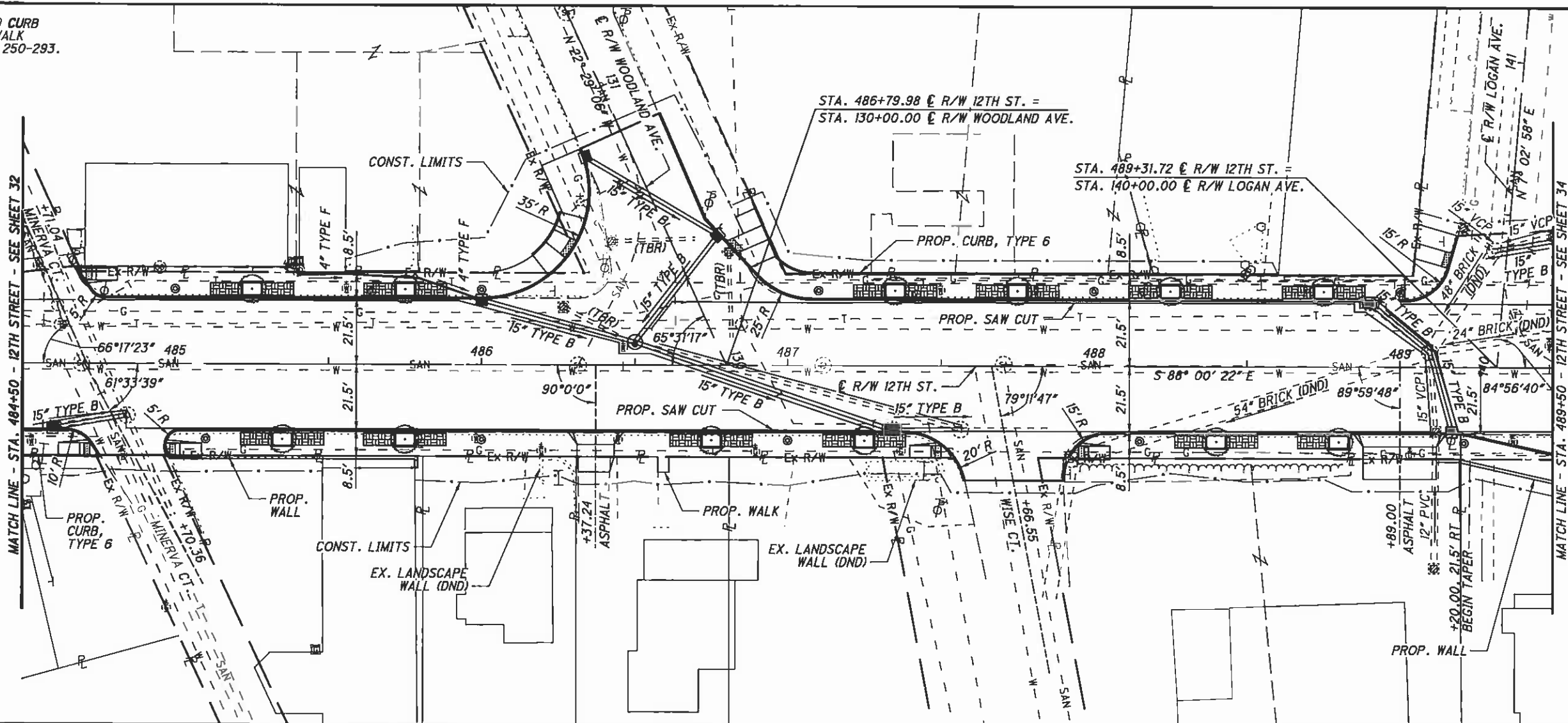
CALCULATED 0  
CHECKED

0 10 20  
HORIZONTAL  
SCALE IN FEET

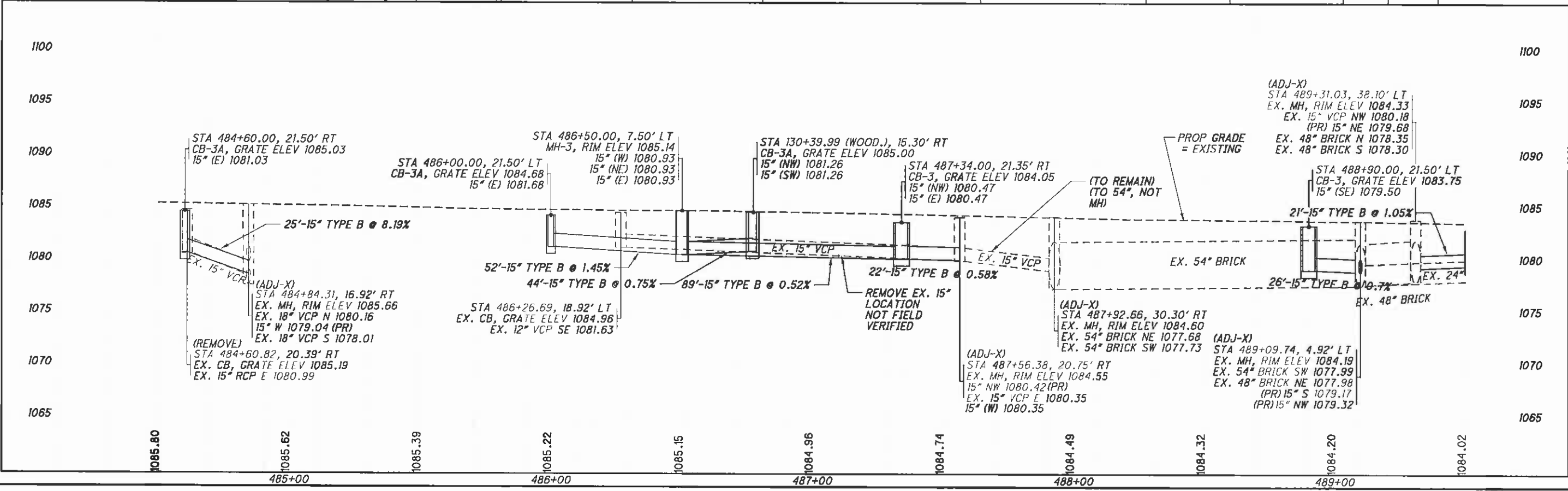


FOR STAIRS, WALLS, AND CURB  
 ADJACENT TO BACK OF WALK  
 LOCATIONS, SEE SHEETS 250-293.

J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299GP010.dgn 10/6/2011 3:32:56 PM dcbarhart\ ODOT\VI\_PDF\_Half.plt.cfg ODOT\VI\_Pen-ME.tbl M-E Companies, Inc.



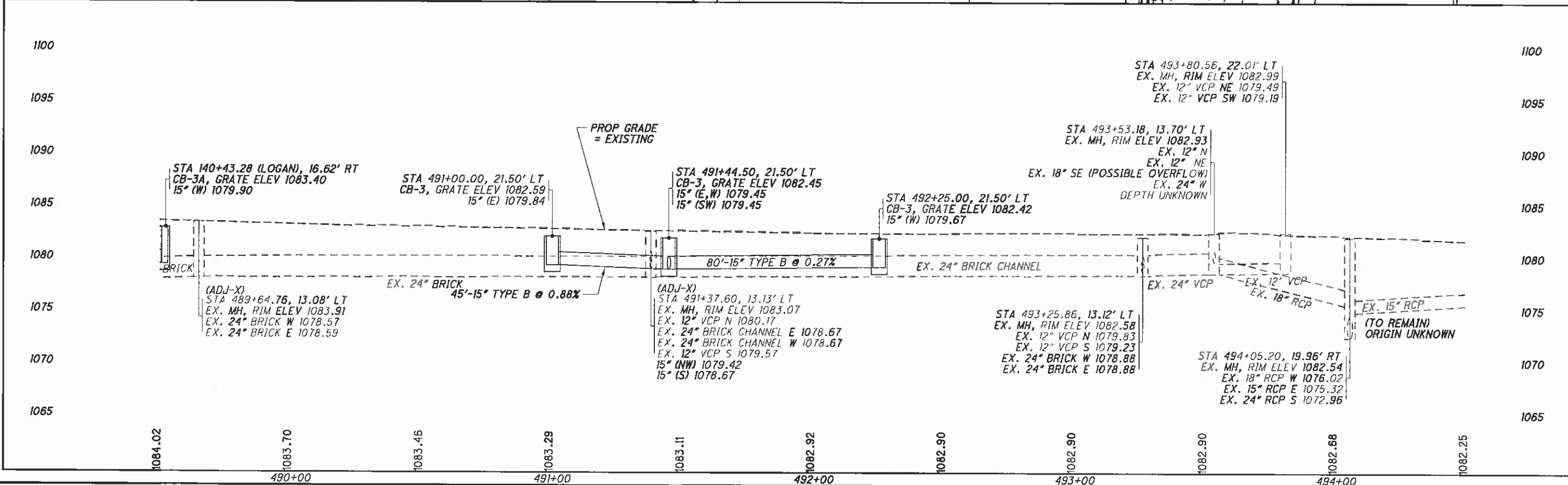
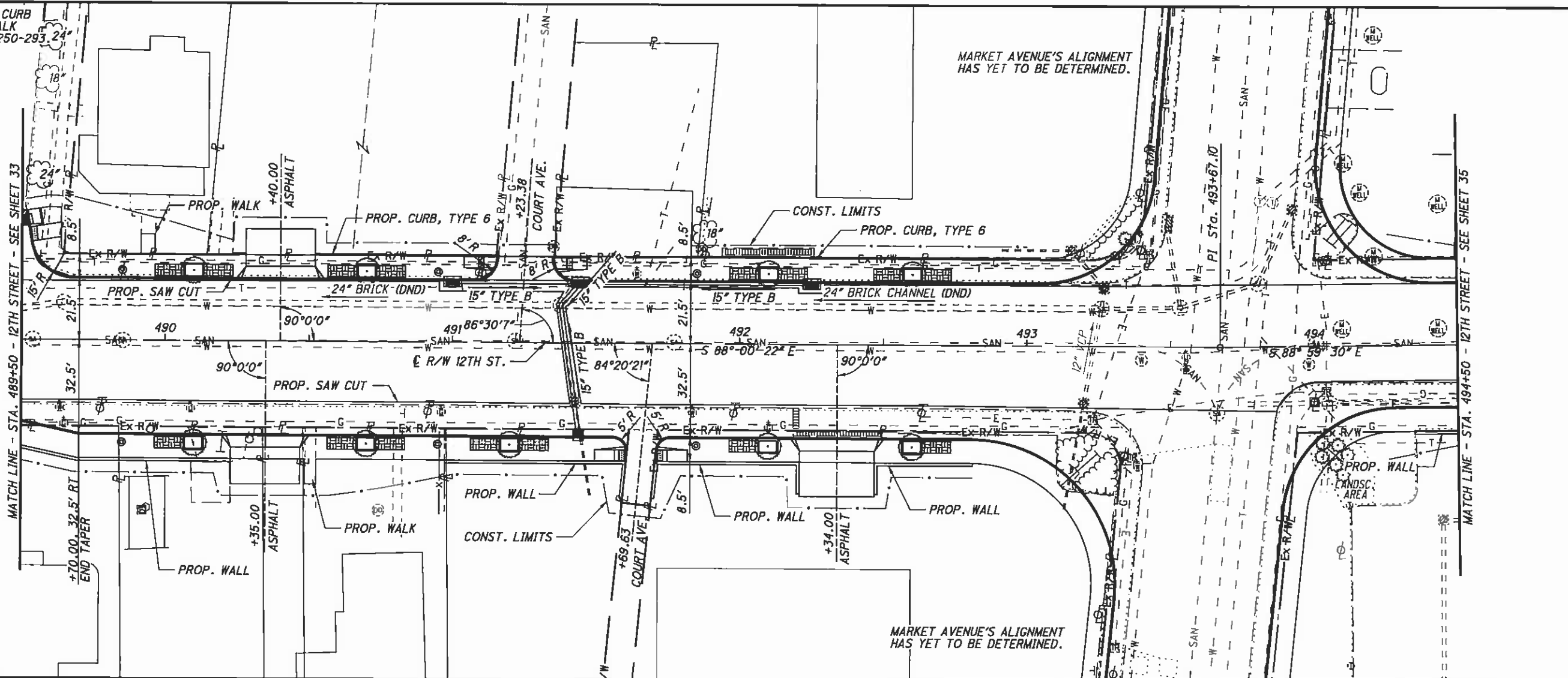
PLAN AND PROFILE  
 STA. 484+50 TO STA. 489+50



STA-12TH STREET  
 33  
 317

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.24

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GP011.dgn 10/6/2011 3:32:57 PM dcbernhart ODOT\Bj\_PDF\_Half.plt.cfb ODOT\Bj\_Pen-ME.tbl M-E Companies, Inc.



20

10

HORIZONTAL  
SCALE IN FEET

CALCULATED 0

CHECKED

PLAN AND PROFILE

STA. 489+50 TO STA. 494+50

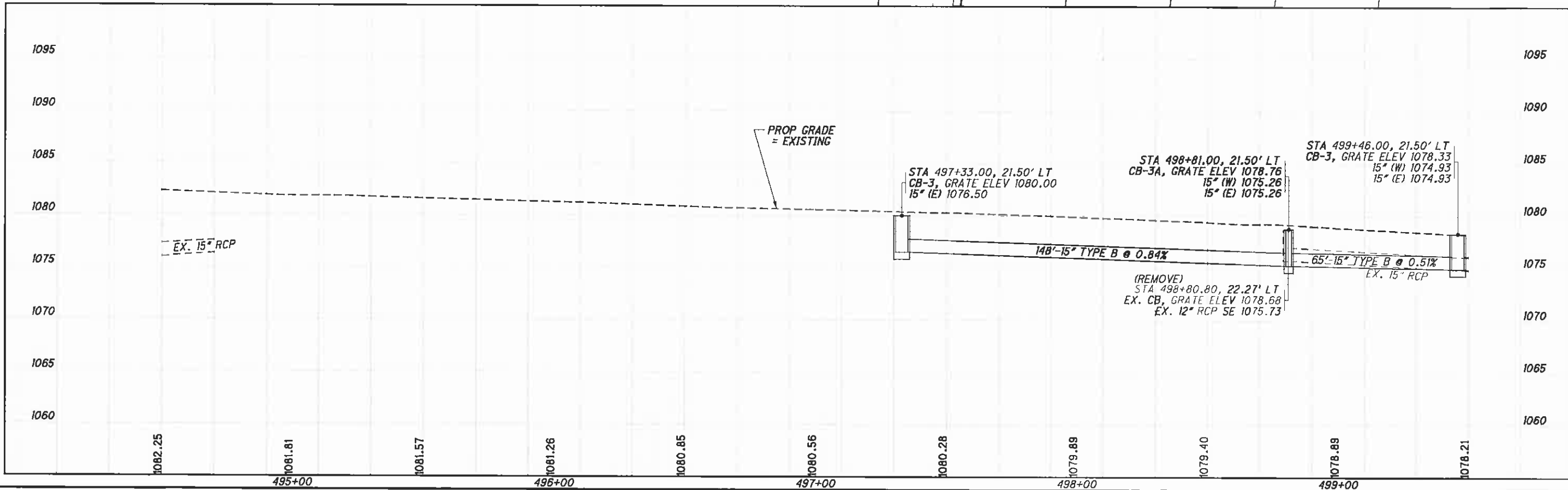
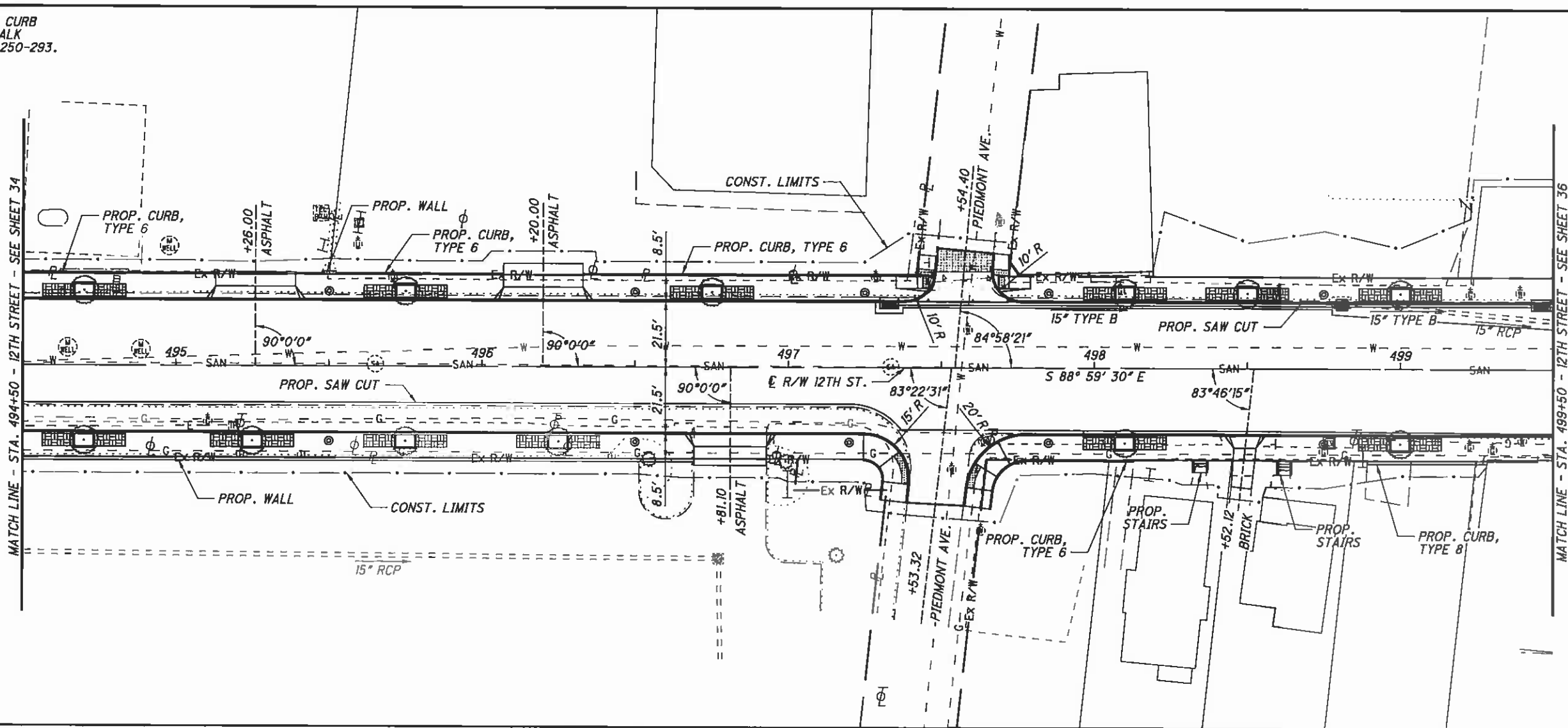
STA-12TH STREET

34

317

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

J:\TSS\11-060 12th Street\STA\85299\roadway\sheet\85299GP012.dgn 10/6/2011 3:32:59 PM dcbarhart ODOT\B1\_PDF\_half.plt:fg ODOT\B1\_Pen-ME.tbl M-E Companies, Inc.

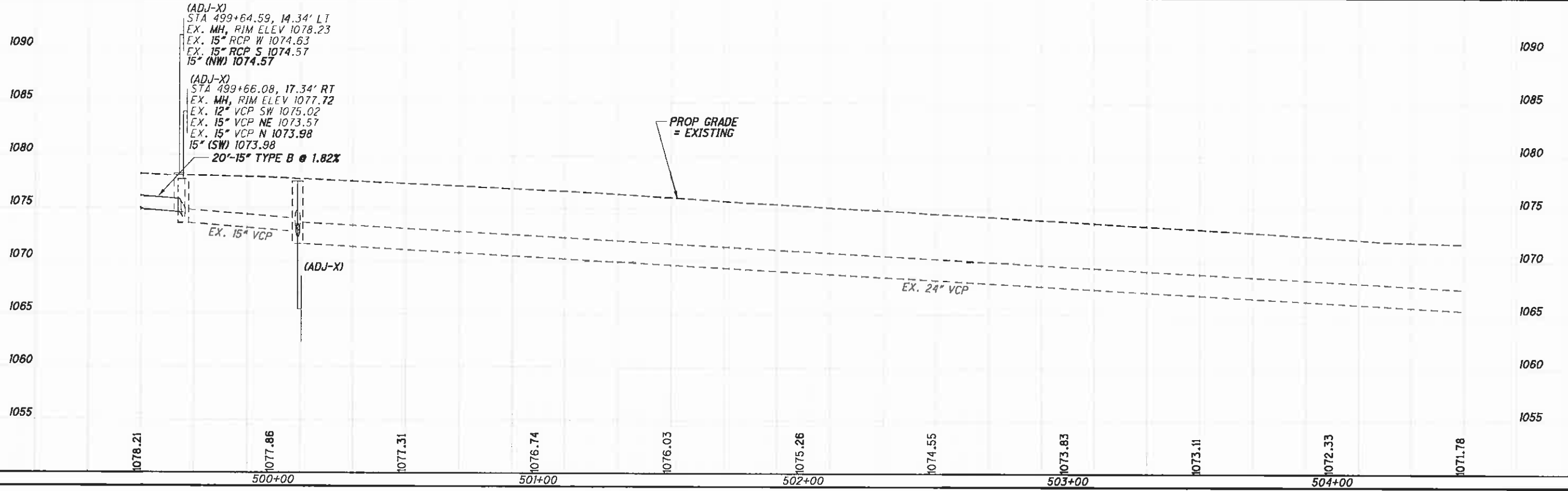
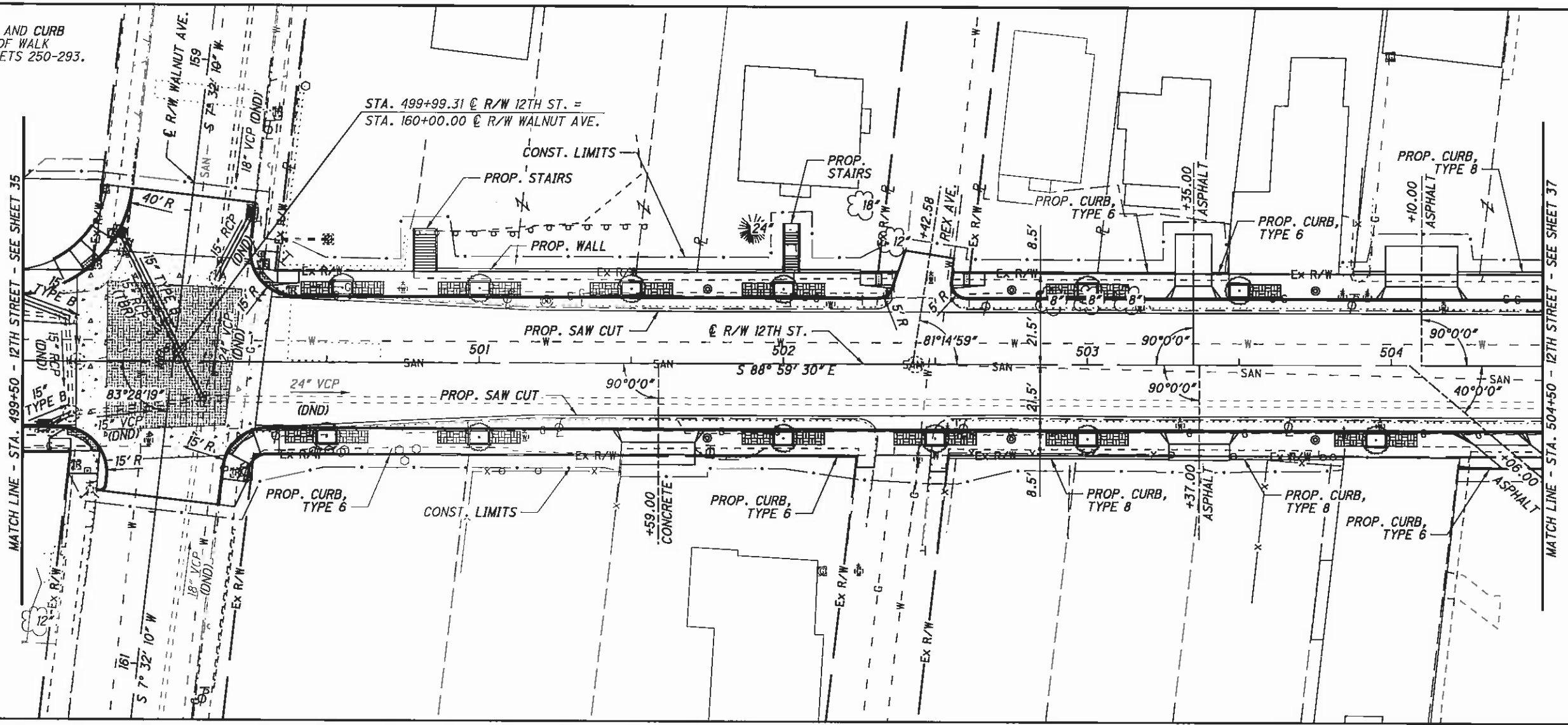


CALCULATED  
CHECKED

PLAN AND PROFILE  
STA. 494+50 TO STA. 499+50

STA-12TH STREET

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.



J:\TSS\11-060 12th Street\STA\B5299\roadway\sheet\B5299\013.dgn 10/6/2011 3:33:00 PM acbarhart' ODOT\B\Pen-ME\Ibi M-E Companies, Inc. ODOT\B\Pen-ME\Ibi M-E Companies, Inc.

**PLAN AND PROFILE**  
**STA. 499+50 TO STA. 504+50**

**STA-12TH STREET**

36  
317

0 20 40  
HORIZONTAL  
SCALE IN FEET

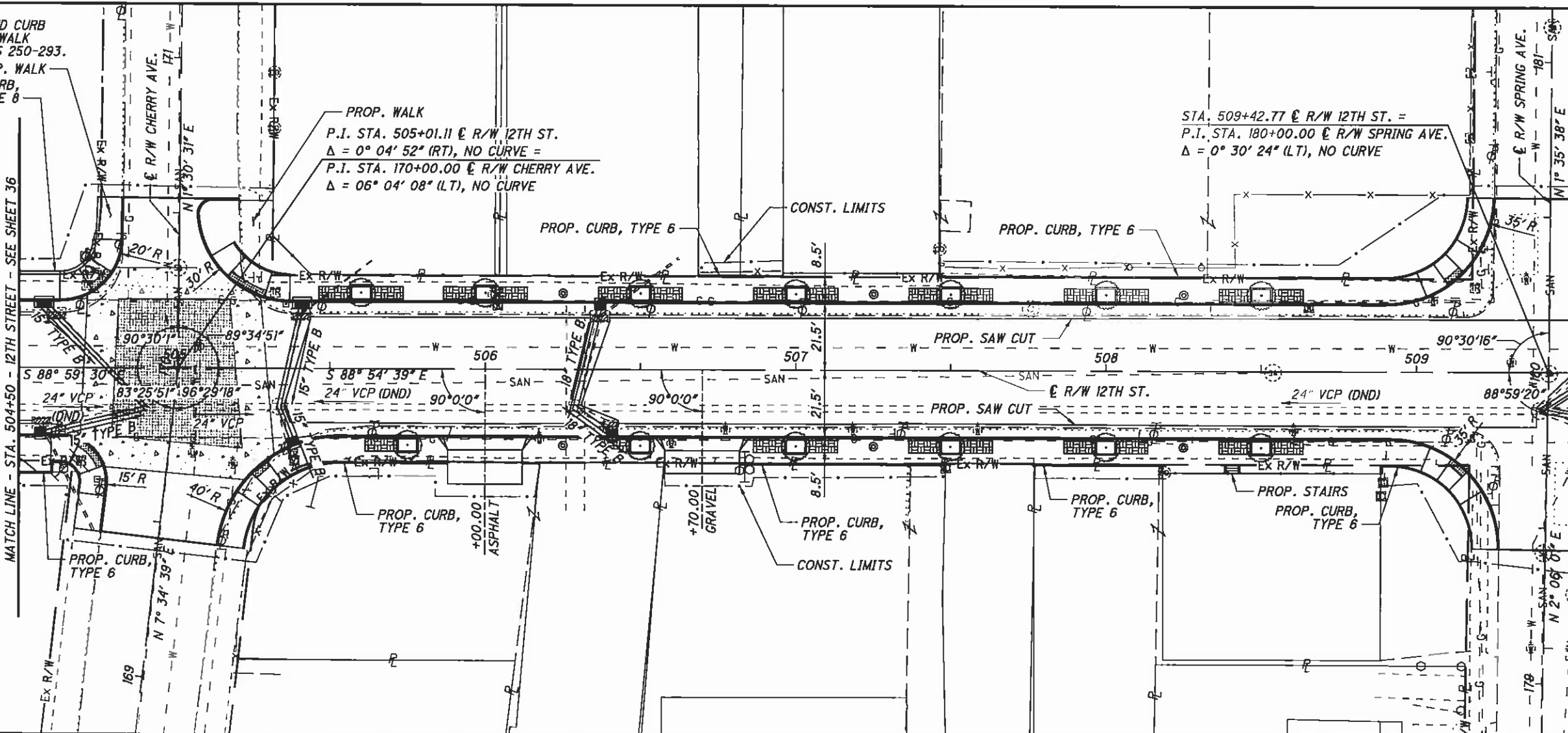
CALCULATED  
CHECKED

J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\85299GP014.dgn 10/6/2011 3:33:02 PM dcbarhart ODOT\B5\_PDF\_half.plt cfb ODOT\B5\_Pen-ME.tbl M-E Companies, Inc.

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

PROP. WALK  
PROP. CURB,  
TYPE 8

MATCH LINE - STA. 504+50 - 12TH STREET - SEE SHEET 36



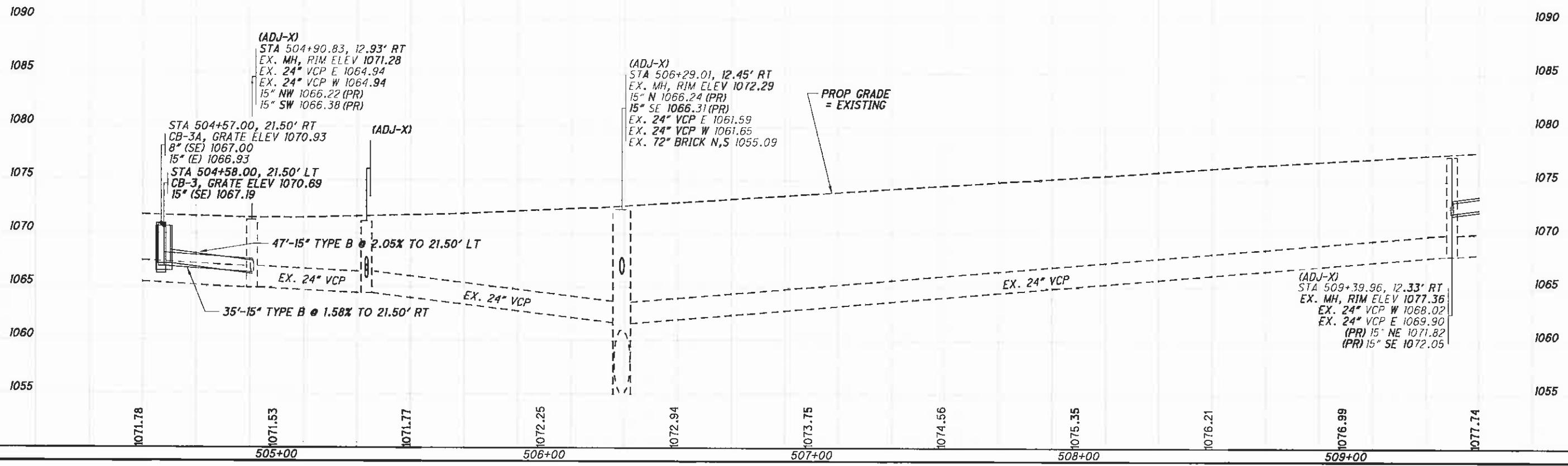
PROP. WALK  
P.I. STA. 505+01.11 @ R/W 12TH ST.  
 $\Delta = 0^\circ 04' 52''$  (RT), NO CURVE =  
P.I. STA. 170+00.00 @ R/W CHERRY AVE.  
 $\Delta = 06^\circ 04' 08''$  (LT), NO CURVE

STA. 509+42.77 @ R/W 12TH ST. =  
P.I. STA. 180+00.00 @ R/W SPRING AVE.  
 $\Delta = 0^\circ 30' 24''$  (LT), NO CURVE

CALCULATED  
CHECKED

HORIZONTAL  
SCALE IN FEET

PLAN AND PROFILE  
STA. 504+50 TO STA. 509+50



(ADJ-X)  
STA 504+90.83, 12.93' RT  
EX. MH, RIM ELEV 1071.28  
EX. 24" VCP E 1064.94  
EX. 24" VCP W 1064.94  
15" NW 1066.22 (PR)  
15" SW 1066.38 (PR)

(ADJ-X)  
STA 506+29.01, 12.45' RT  
EX. MH, RIM ELEV 1072.29  
15" N 1066.24 (PR)  
15" SE 1066.31 (PR)  
EX. 24" VCP E 1061.59  
EX. 24" VCP W 1061.65  
EX. 72" BRICK N,S 1055.09

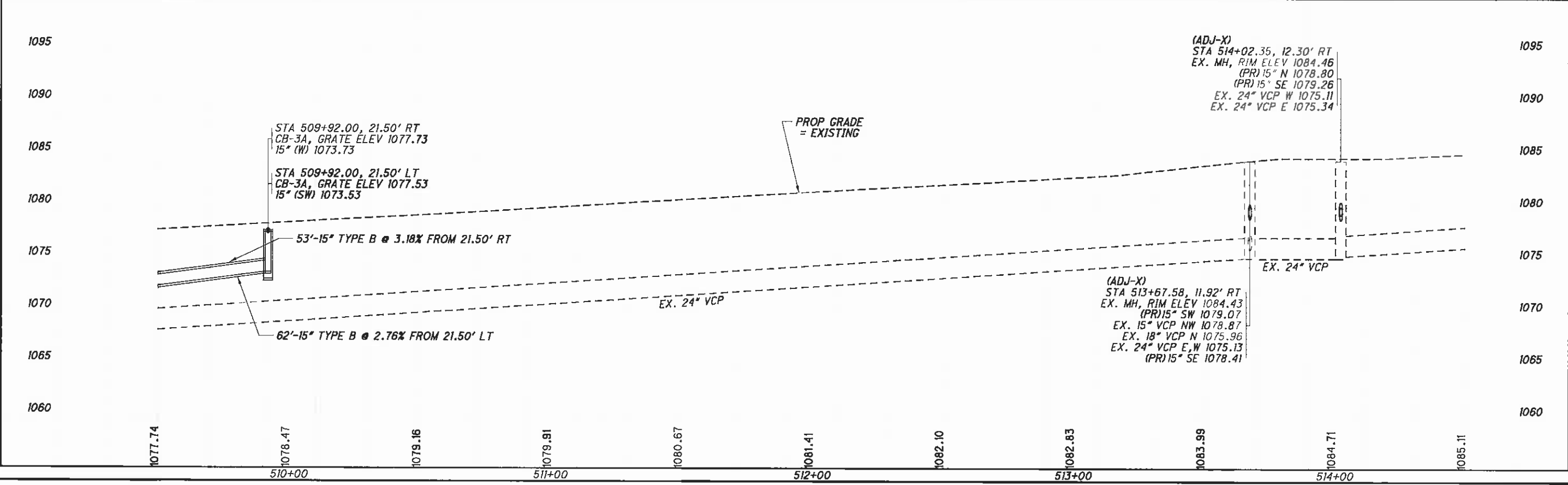
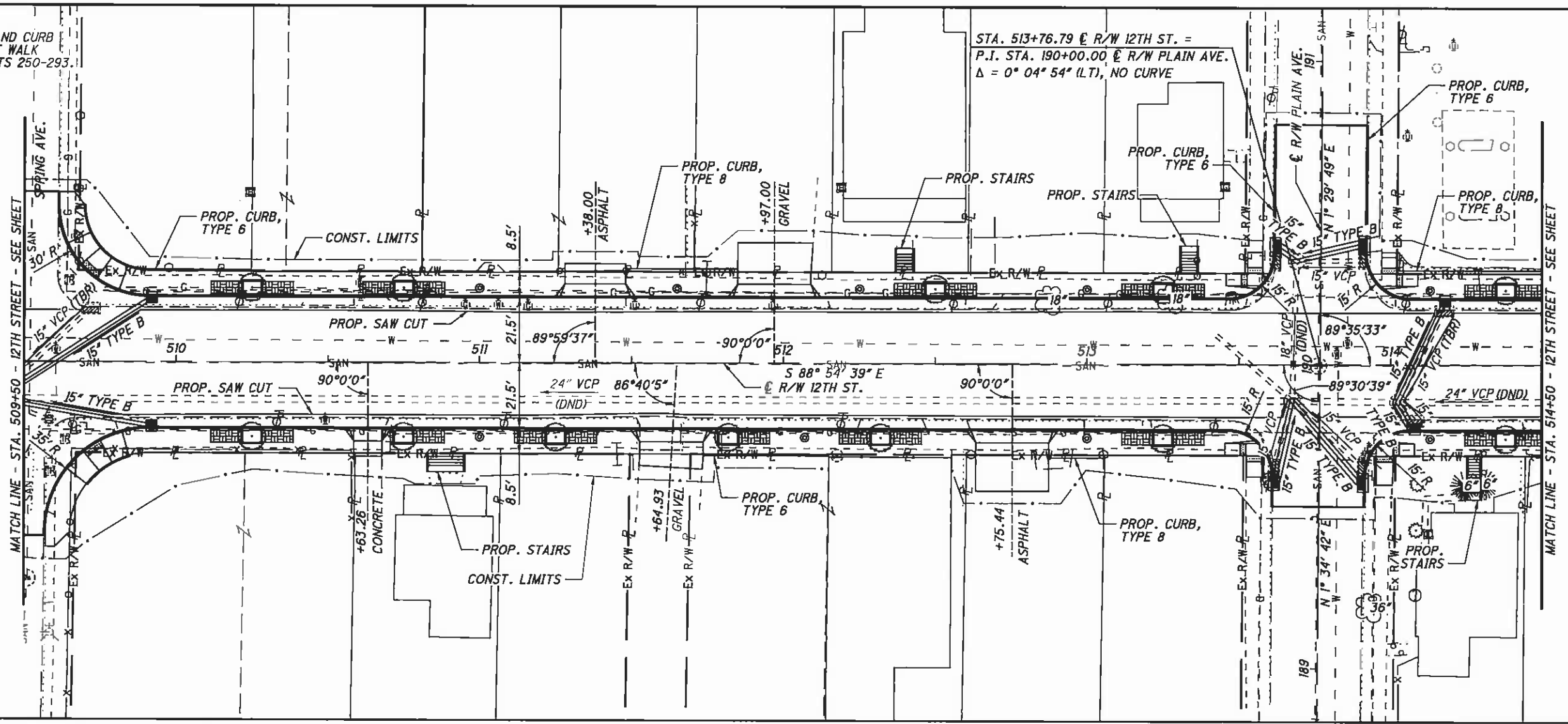
(ADJ-X)  
STA 509+39.96, 12.33' RT  
EX. MH, RIM ELEV 1077.36  
EX. 24" VCP W 1068.02  
EX. 24" VCP E 1069.90  
(PR) 15" NE 1071.82  
(PR) 15" SE 1072.05

STA-12TH STREET  
37  
317

J:\NTS\11-060 12th Street\STA\85299\roadway\sheet\85299GP015.dgn 10/6/2011 3:33:03 PM dcbarhart\ J:\NTS\11-060 12th Street\STA\85299\roadway\sheet\85299GP015.dgn 10/6/2011 3:33:03 PM dcbarhart\ ODOTVBI\_PDF\_half.plt cfb ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

STA. 513+76.79 @ R/W 12TH ST. =  
P.I. STA. 190+00.00 @ R/W PLAIN AVE.  
 $\Delta = 0^\circ 04' 54"$  (LT), NO CURVE



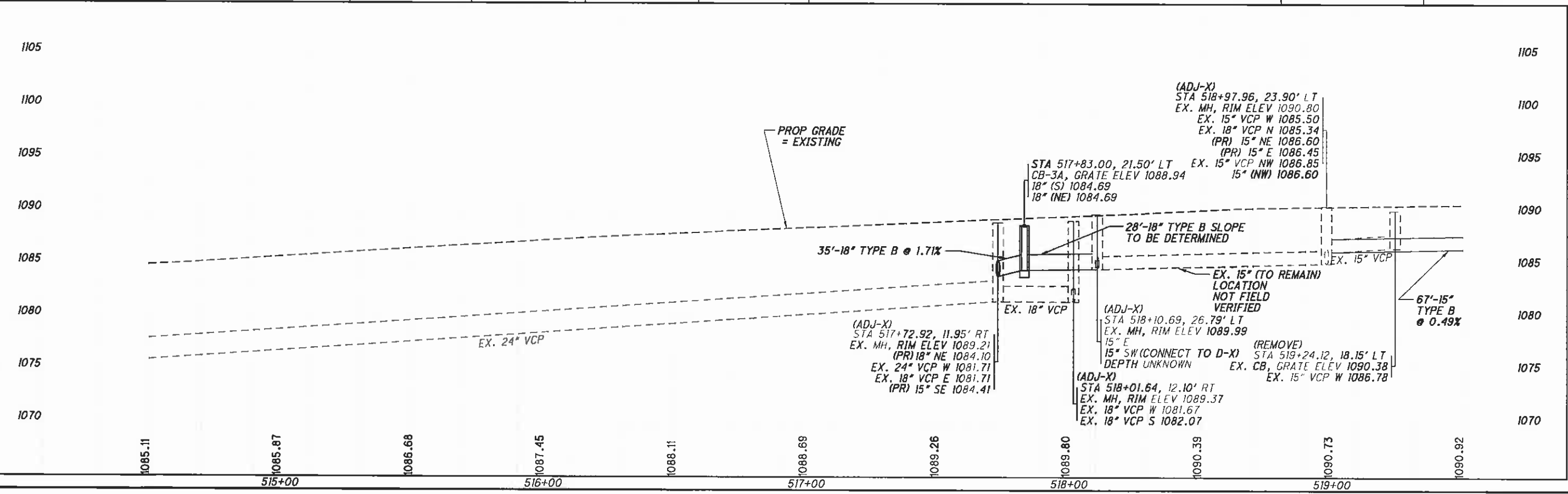
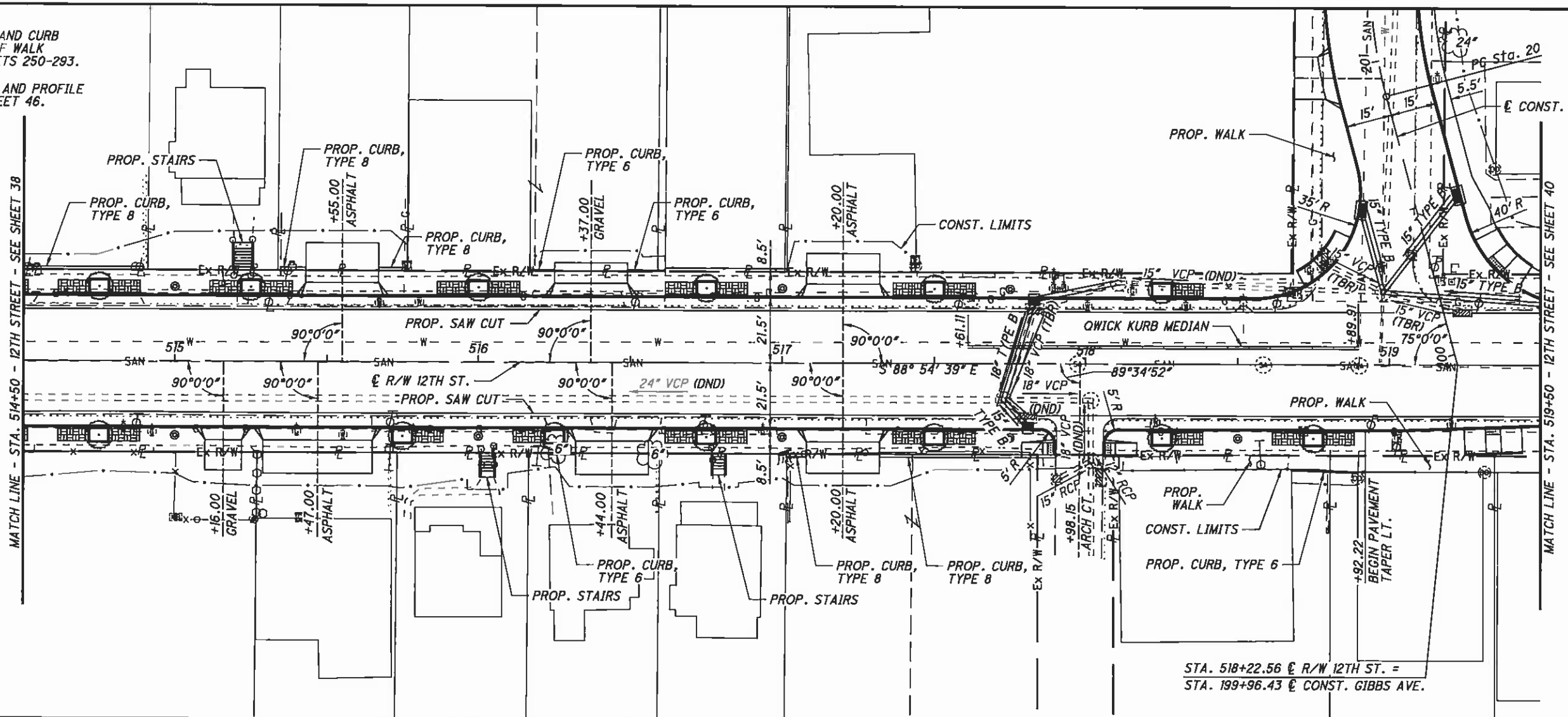
CALCULATED  
CHECKED

PLAN AND PROFILE  
STA. 509+50 TO STA. 514+50

STA-12TH STREET

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

FOR GIBBS AVE. PLAN AND PROFILE  
INFORMATION, SEE SHEET 46.



PLAN AND PROFILE  
STA. 514+50 TO STA. 519+50

STA-12TH STREET  
39  
317

J:\TS\11.11.060 12th Street\STA\85299\roadway\sheet\85299GP016.dgn 10/6/2011 3:33:05 PM dcbarnhart ODOT\B\Pen-ME.tbl M-E Companies, Inc.

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

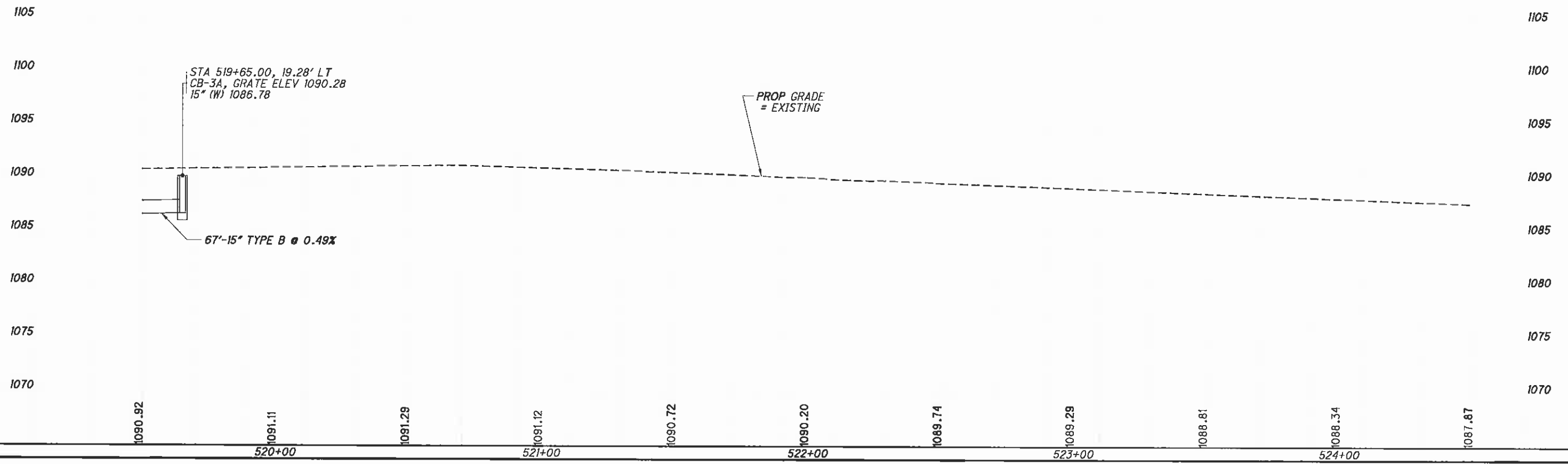
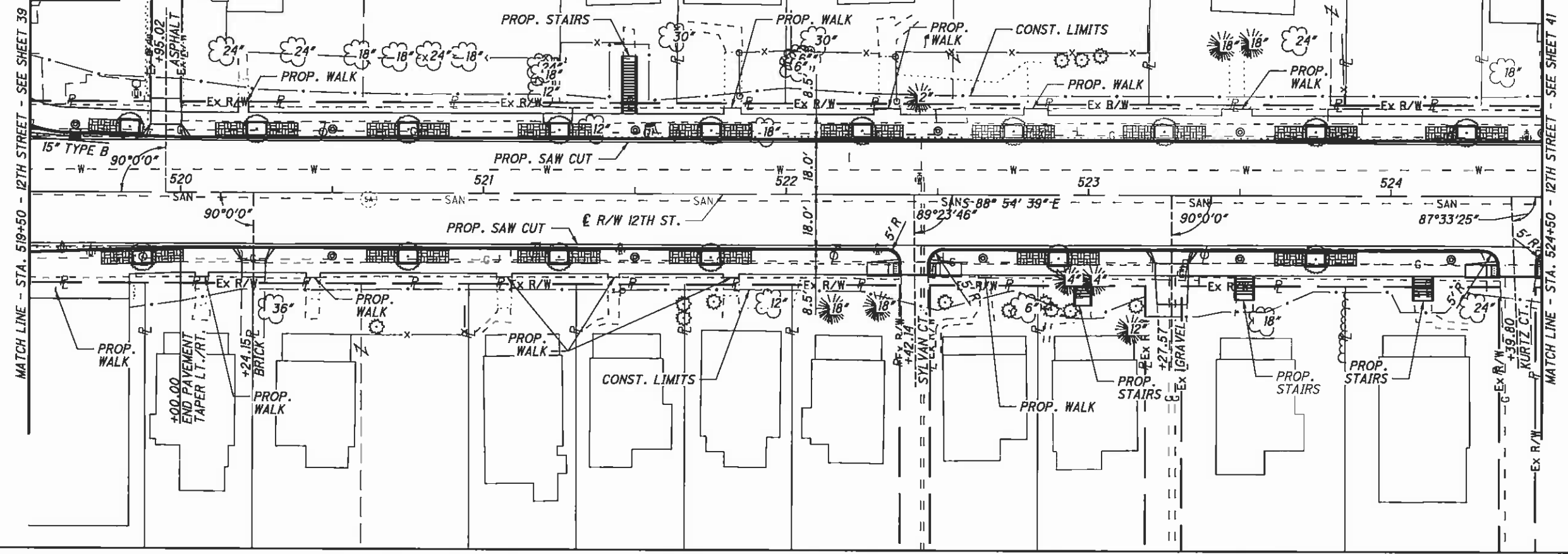


CALCULATED  
CHECKED

PLAN AND PROFILE  
STA. 519+50 TO STA. 524+50

STA-12TH STREET

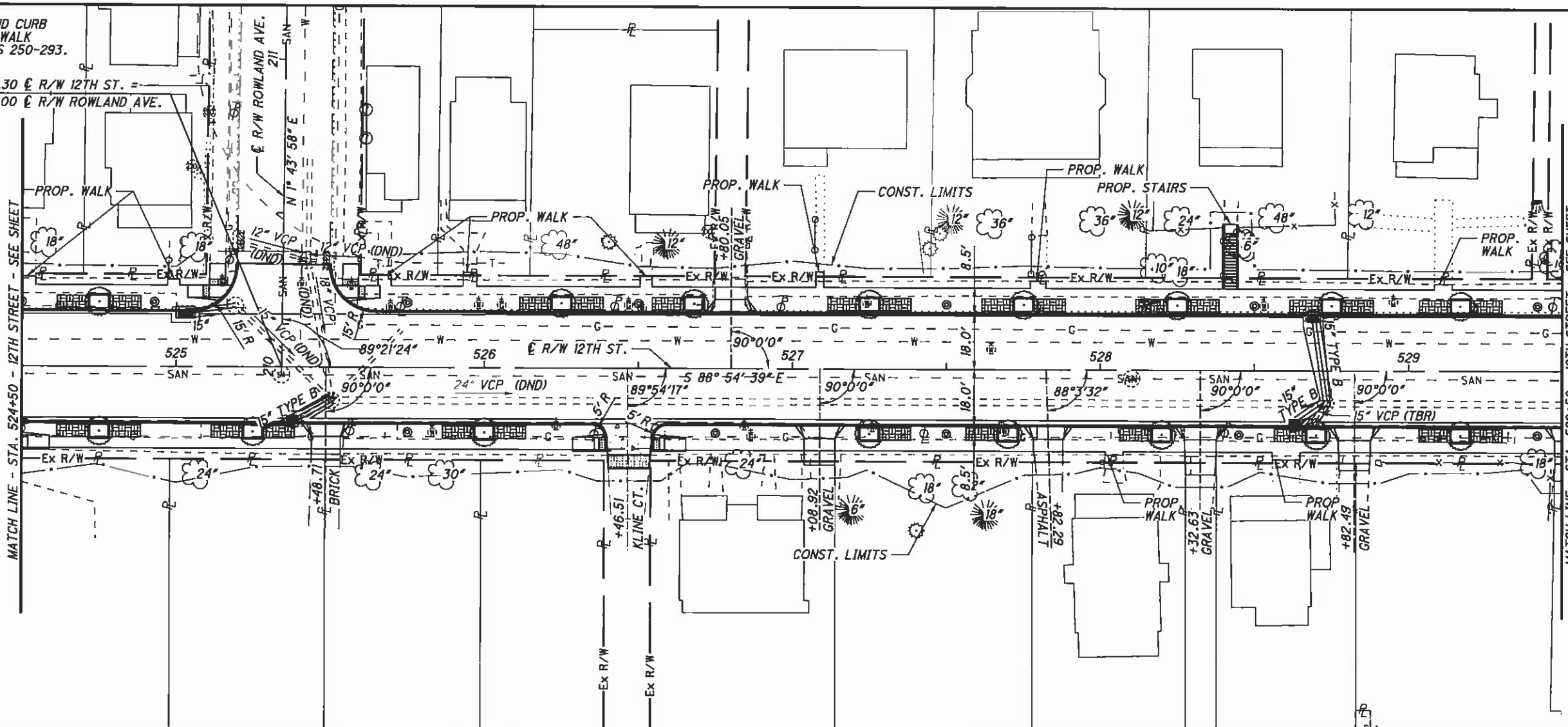
J:\TS\11-060 12th Street\STA\B5299\roadway\sheets\B5299GP017.dgn 10/6/2011 3:33:06 PM dcbernhart\ ODOT\B5299\_Plan-ME.tbl M-E Companies, Inc.





FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

STA. 525+34.30 @ R/W 12TH ST. =  
STA. 210+00.00 @ R/W ROWLAND AVE.



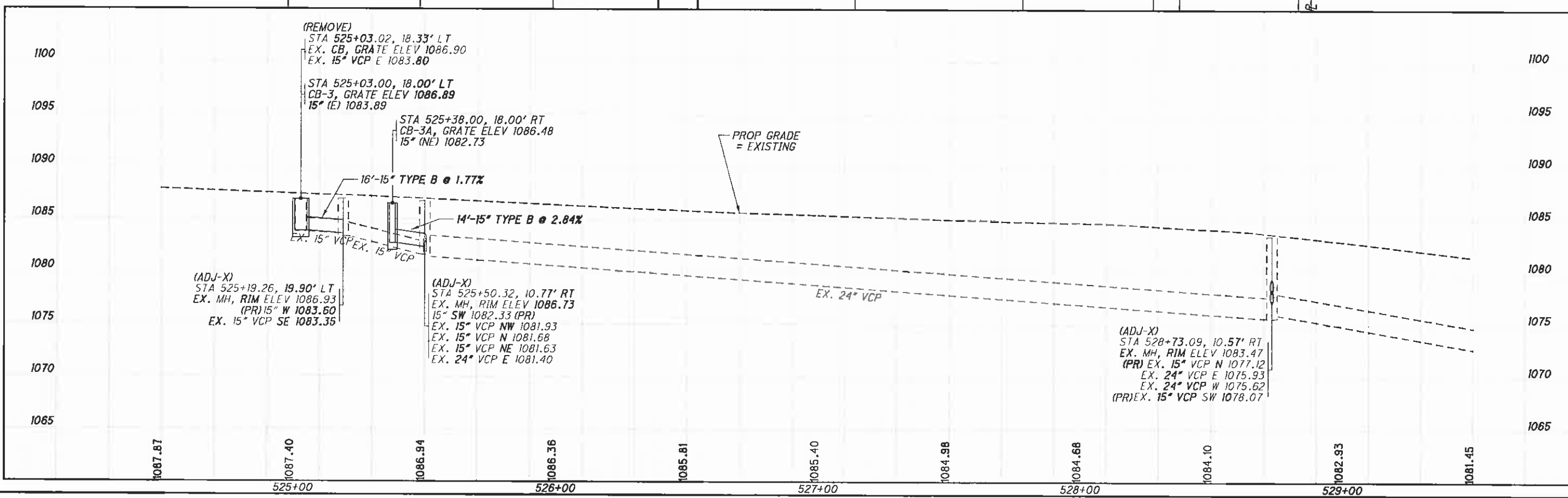
MATCH LINE - STA. 524+50 - 12TH STREET - SEE SHEET

MATCH LINE - STA. 529+50 - 12TH STREET - SEE SHEET



CALCULATED 0  
CHECKED

PLAN AND PROFILE  
STA. 524+50 TO STA. 529+50



(REMOVE)  
STA 525+03.02, 18.33' LT  
EX. CB, GRATE ELEV 1086.90  
EX. 15" VCP E 1083.80

STA 525+03.00, 18.00' LT  
CB-3, GRATE ELEV 1086.89  
15" (E) 1083.89

STA 525+38.00, 18.00' RT  
CB-3A, GRATE ELEV 1086.48  
15" (NE) 1082.73

(ADJ-X)  
STA 525+19.26, 19.90' LT  
EX. MH, RIM ELEV 1086.93  
(PR) 15" W 1083.60  
EX. 15" VCP SE 1083.35

(ADJ-X)  
STA 525+50.32, 10.77' RT  
EX. MH, RIM ELEV 1086.73  
15" SW 1082.33 (PR)  
EX. 15" VCP NW 1081.93  
EX. 15" VCP N 1081.68  
EX. 15" VCP NE 1081.63  
EX. 24" VCP E 1081.40

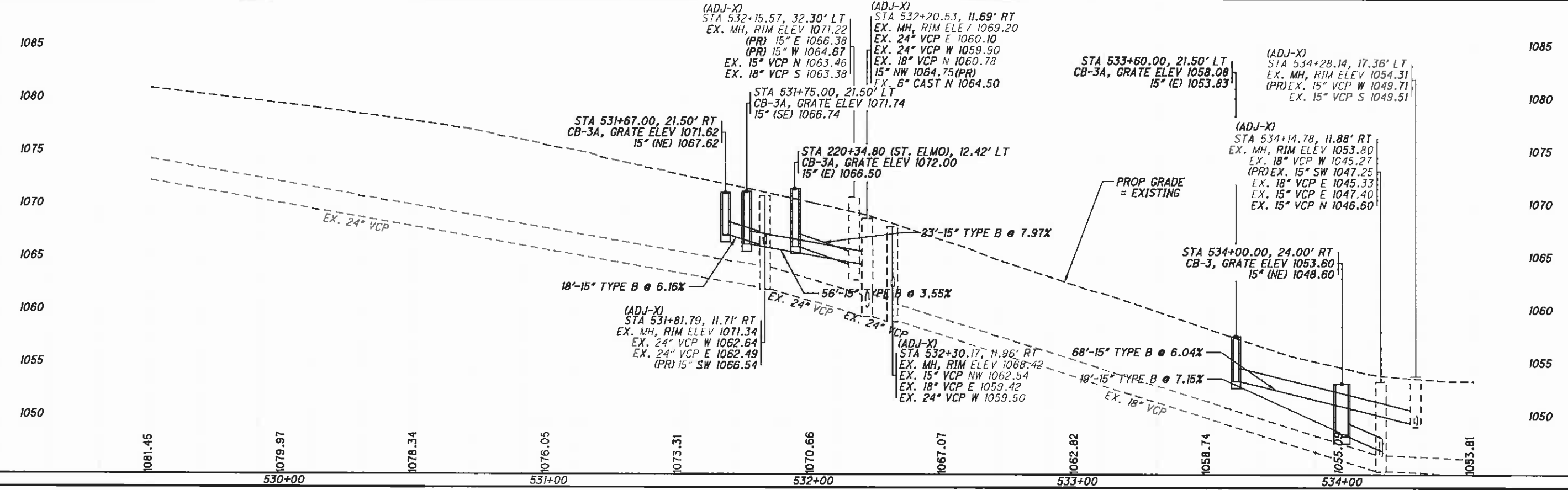
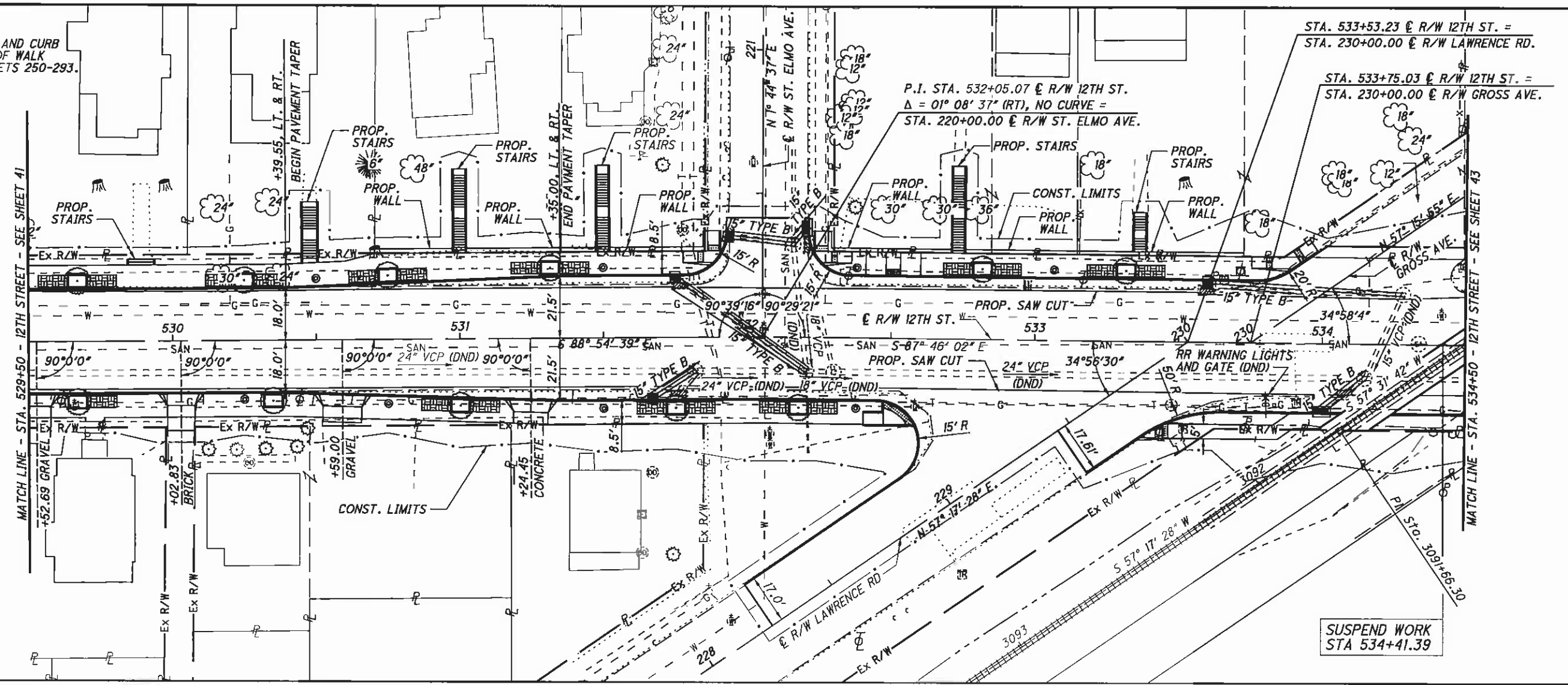
(ADJ-X)  
STA 528+73.09, 10.57' RT  
EX. MH, RIM ELEV 1083.47  
(PR) EX. 15" VCP N 1077.12  
EX. 24" VCP E 1075.93  
EX. 24" VCP W 1075.62  
(PR) EX. 15" VCP SW 1078.07

J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299GP018.dgn 10/6/2011 3:33:07 PM dcbarhart

STA-12TH STREET

J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299GP019.dgn 10/6/2011 3:33:09 PM dcbarnhorl ODOT\BI\_PDF\_Half\_plt.ctb ODOT\BI\_Pan-ME.tbl M-E Companies, Inc.

FOR STAIRS, WALLS, AND CURB ADJACENT TO BACK OF WALK LOCATIONS, SEE SHEETS 250-293.



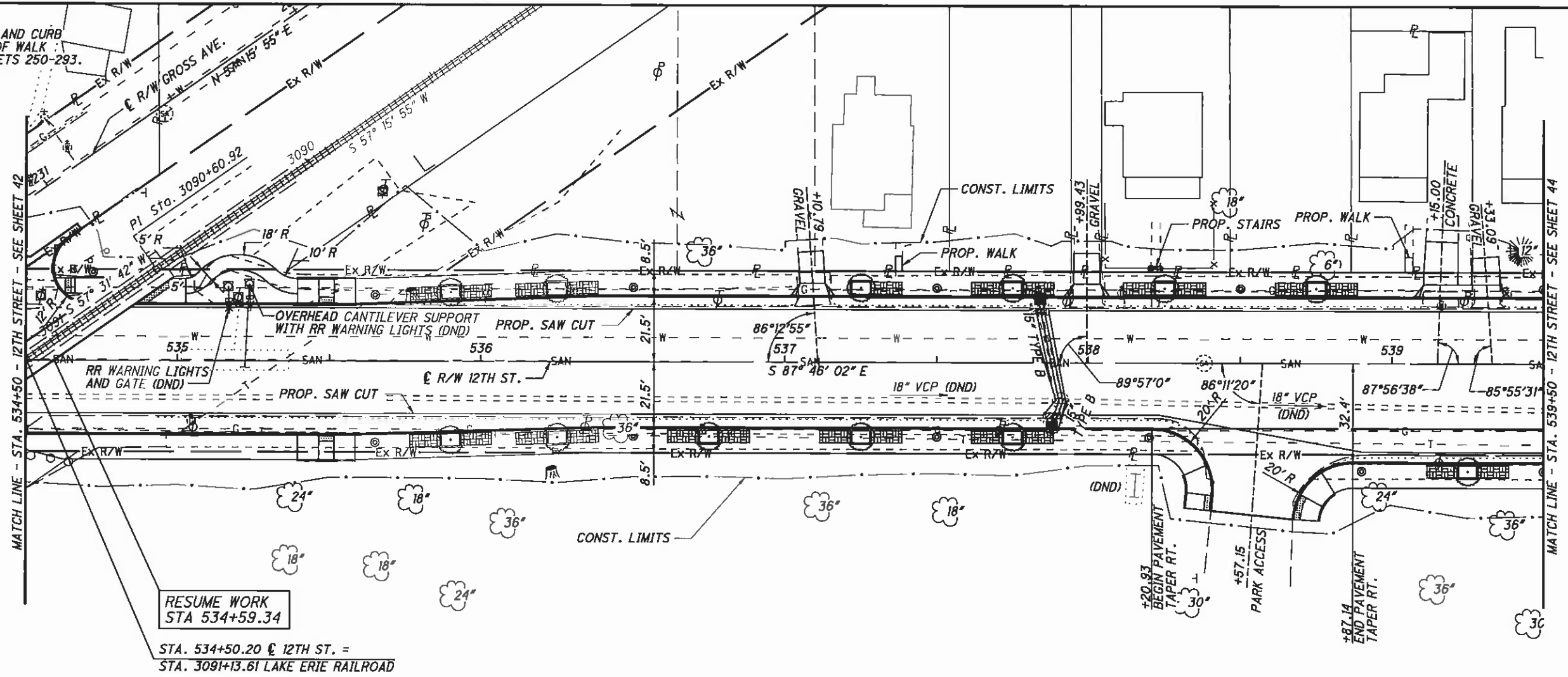
PLAN AND PROFILE  
STA. 529+50 TO STA. 534+50

STA-12TH STREET

42  
317

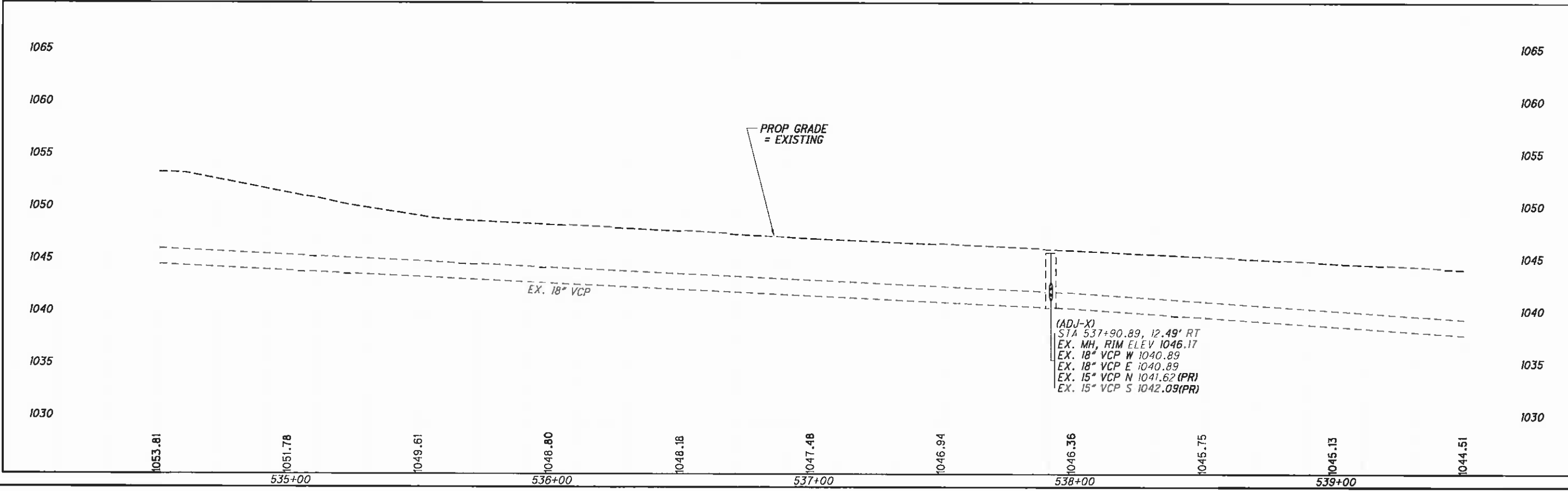
J:\T5\11-060 12th Street\STA\85299\roadway\sheet\85299GPO20.dgn 10/6/2011 3:33:10 PM dcbarhart\ J:\T5\11-060 12th Street\STA\85299\roadway\sheet\85299GPO20.dgn 10/6/2011 3:33:10 PM dcbarhart\ ODOT\B\Pen-ME\ib\ M-E Companies, Inc.

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.



RESUME WORK  
STA 534+59.34

STA. 534+50.20 C 12TH ST. =  
STA. 3091+13.61 LAKE ERIE RAILROAD



(ADJ-X)  
STA 537+90.89, 12.49' RT  
EX. MH, RIM ELEV 1046.17  
EX. 18" VCP W 1040.89  
EX. 18" VCP E 1040.89  
EX. 15" VCP N 1041.62 (PR)  
EX. 15" VCP S 1042.09 (PR)



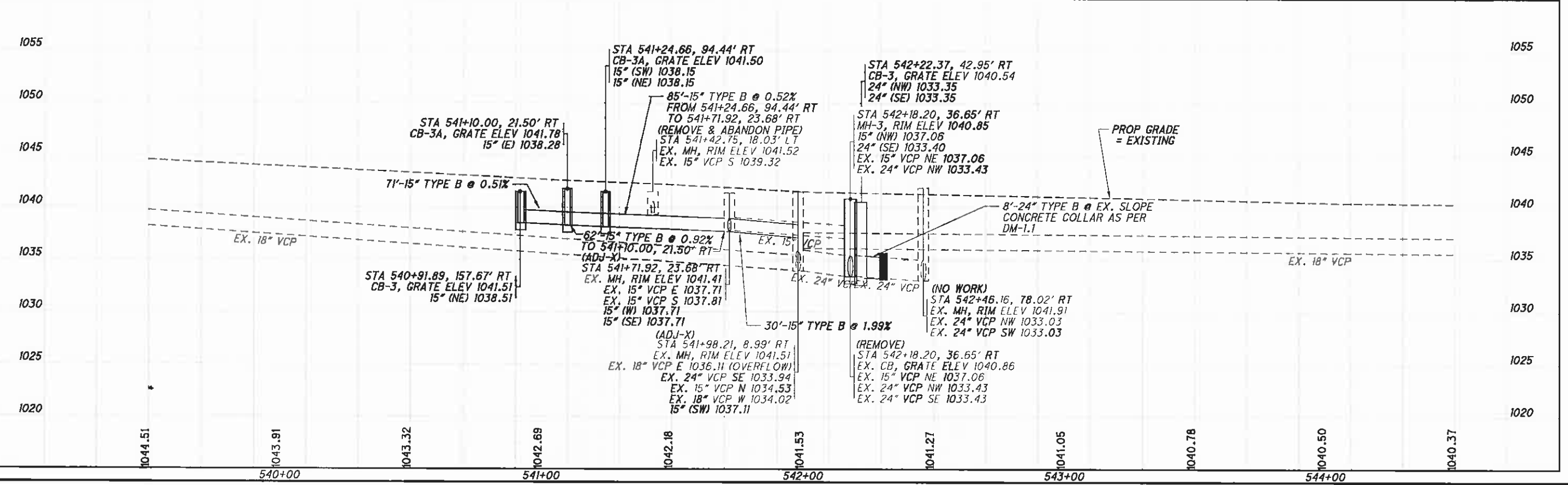
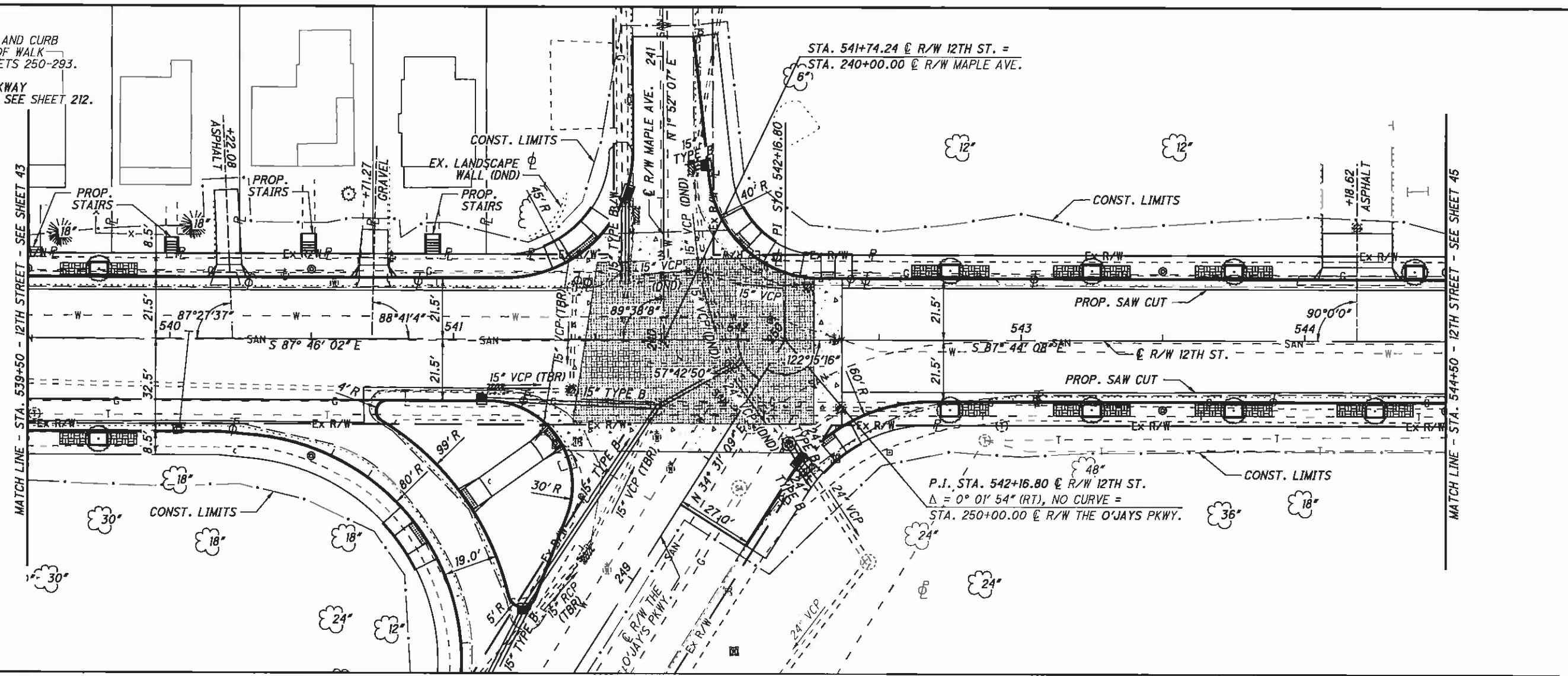
CALCULATED  
CHECKED  
PLAN AND PROFILE  
STA. 534+50 TO STA. 539+50

STA-12TH STREET  
43  
317

J:\TSA\11-060 12th Street\STA185299\roadway\sheet\85299GP021.dgn 10/6/2011 3:33:11 PM dcbarhart ODOTVBI\_PDF\_Half.plt cfig ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.

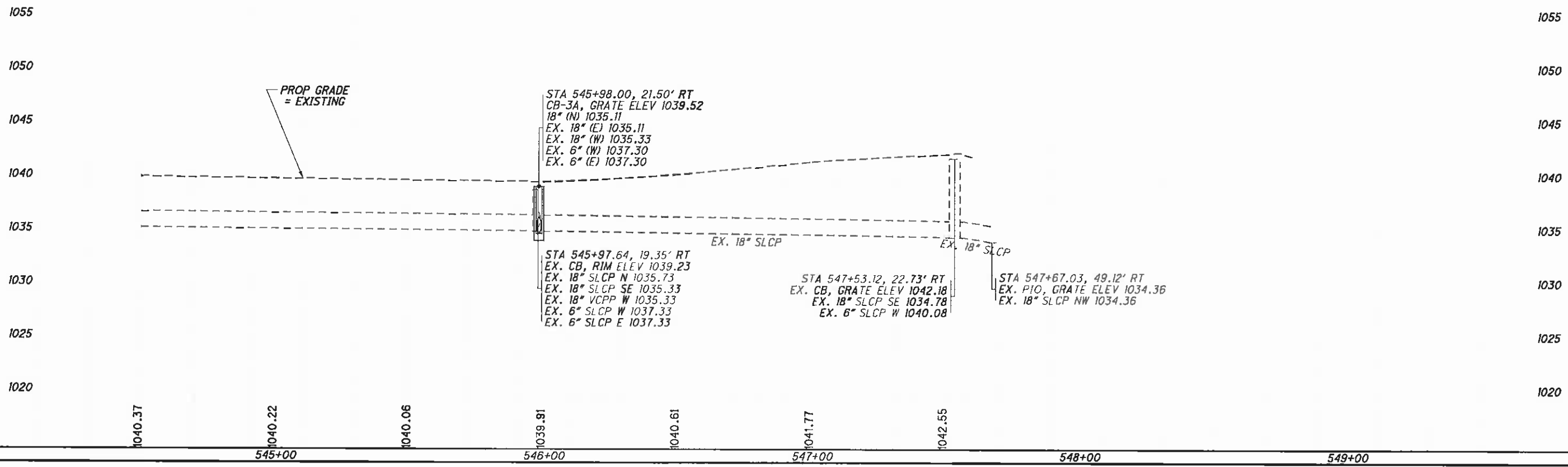
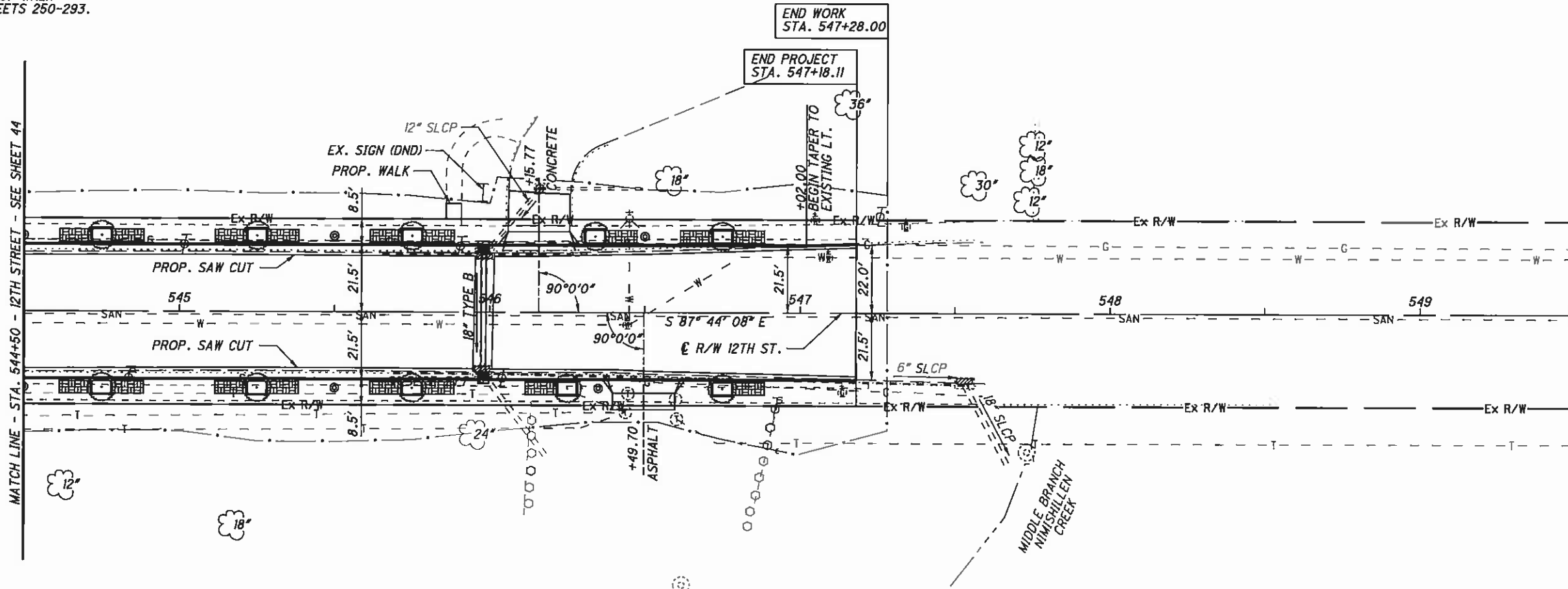
FOR THE O'JAYS PARKWAY  
TIE-IN INFORMATION, SEE SHEET 212.




PLAN AND PROFILE  
STA. 539+50 TO STA. 544+50

STA-12TH STREET  
44  
317

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 250-293.



J:\TSA\11-060 12th Street\STA\B5299\roadway\sheet\B5299\p022.dgn 10/6/2011 3:33:13 PM dcbarhorl' ODOT\B5299\roadway\sheet\B5299\p022.dgn 10/6/2011 3:33:13 PM dcbarhorl' M-E Companies, Inc.



20  
10  
0  
HORIZONTAL  
SCALE IN FEET

CALCULATED 0  
CHECKED

**PLAN AND PROFILE**  
**STA. 544+50 TO STA. 547+28.11**

**STA-12TH STREET**

45  
317

FOR STAIRS, WALLS, AND CURB  
ADJACENT TO BACK OF WALK  
LOCATIONS, SEE SHEETS 247-290.

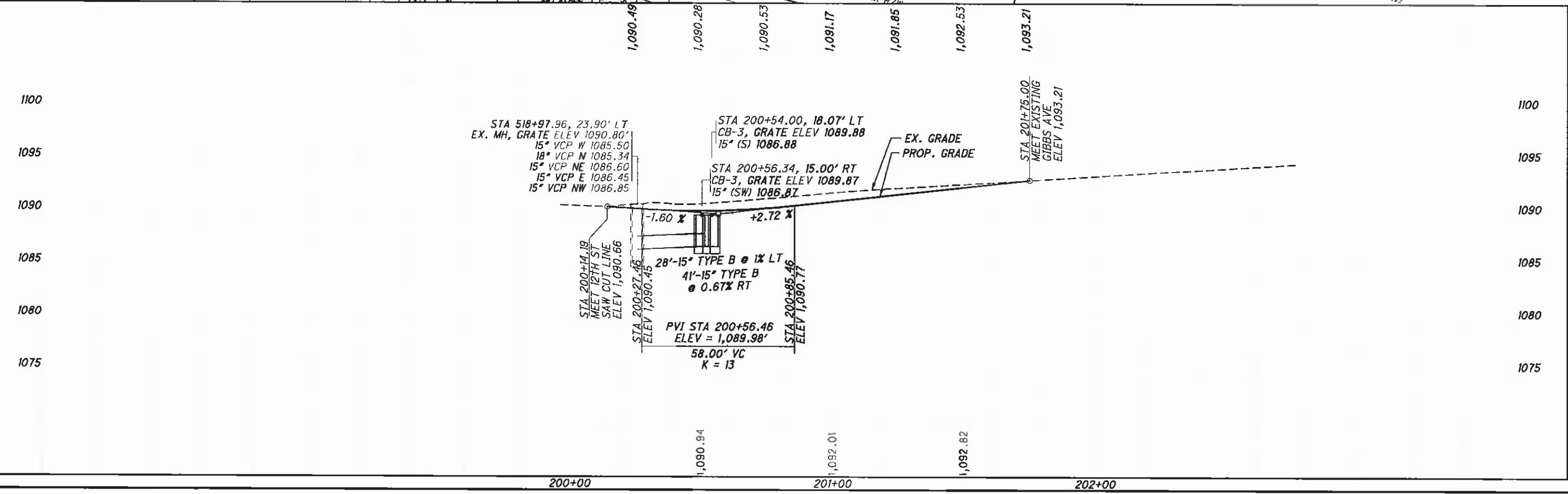
P.I. Sta. 201+09.12  
 $\Delta = 15^\circ 31' 05''$  (RT)  
 $D_c = 37^\circ 00' 00''$   
 $R = 154.85'$   
 $T = 21.10'$   
 $L = 41.94'$   
 $E = 1.43'$   
 $C = 41.81'$   
 $C.B. = N 6^\circ 09' 06'' W$   
 $\theta_{max} = N.C.$

STA. 518+22.56 @ R/W 12TH ST. =  
 STA. 199+96.43 @ CONST. GIBBS AVE.

END WORK  
 STA. 201+75.00

CONST. LIMITS

GIBBS AVE.  
 202



PLAN AND PROFILE - GIBBS AVE.  
 STA. 199+96 TO STA. 201+75

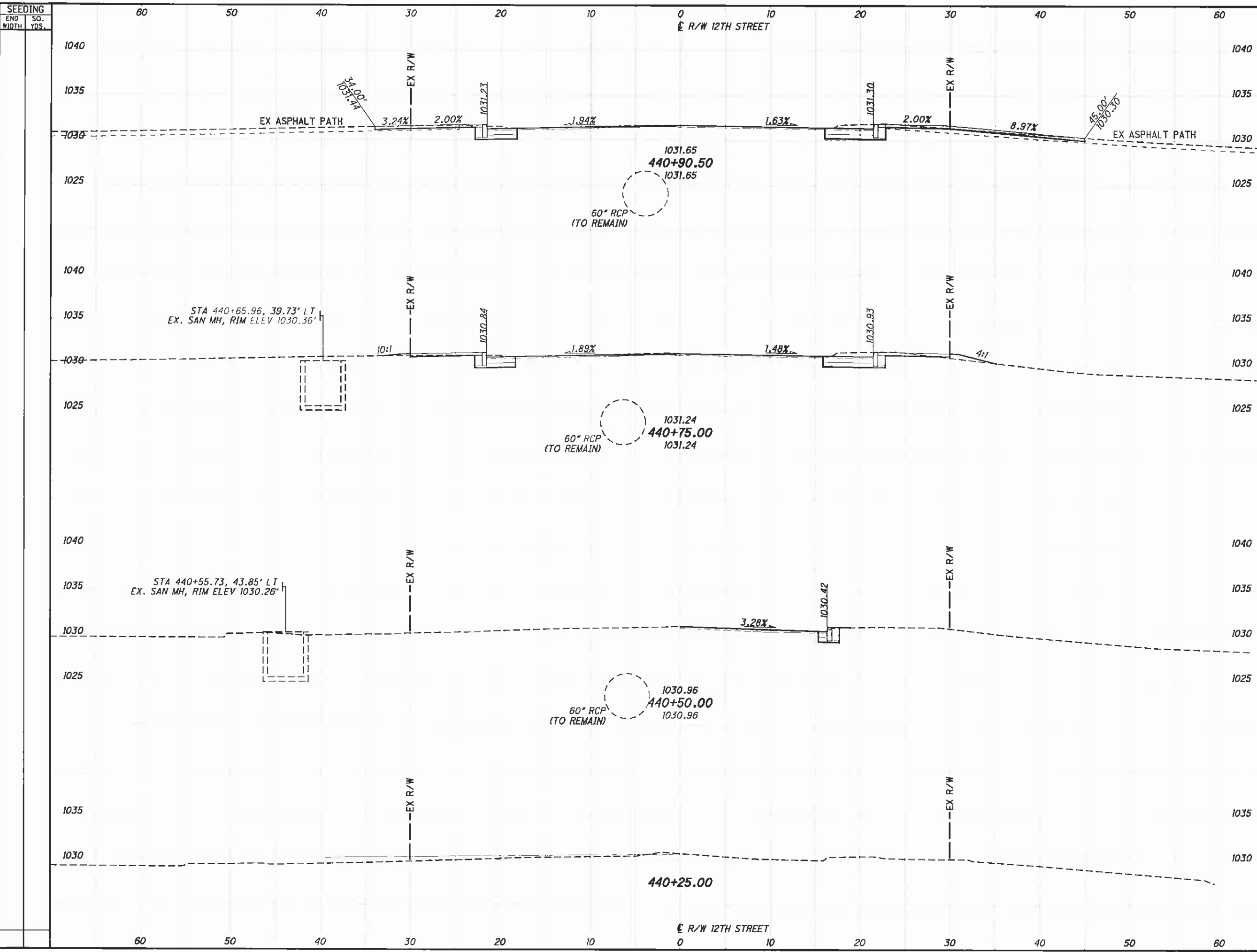
STA-12TH STREET

46  
317

CALCULATED  
 CHECKED

HORIZONTAL SCALE IN FEET

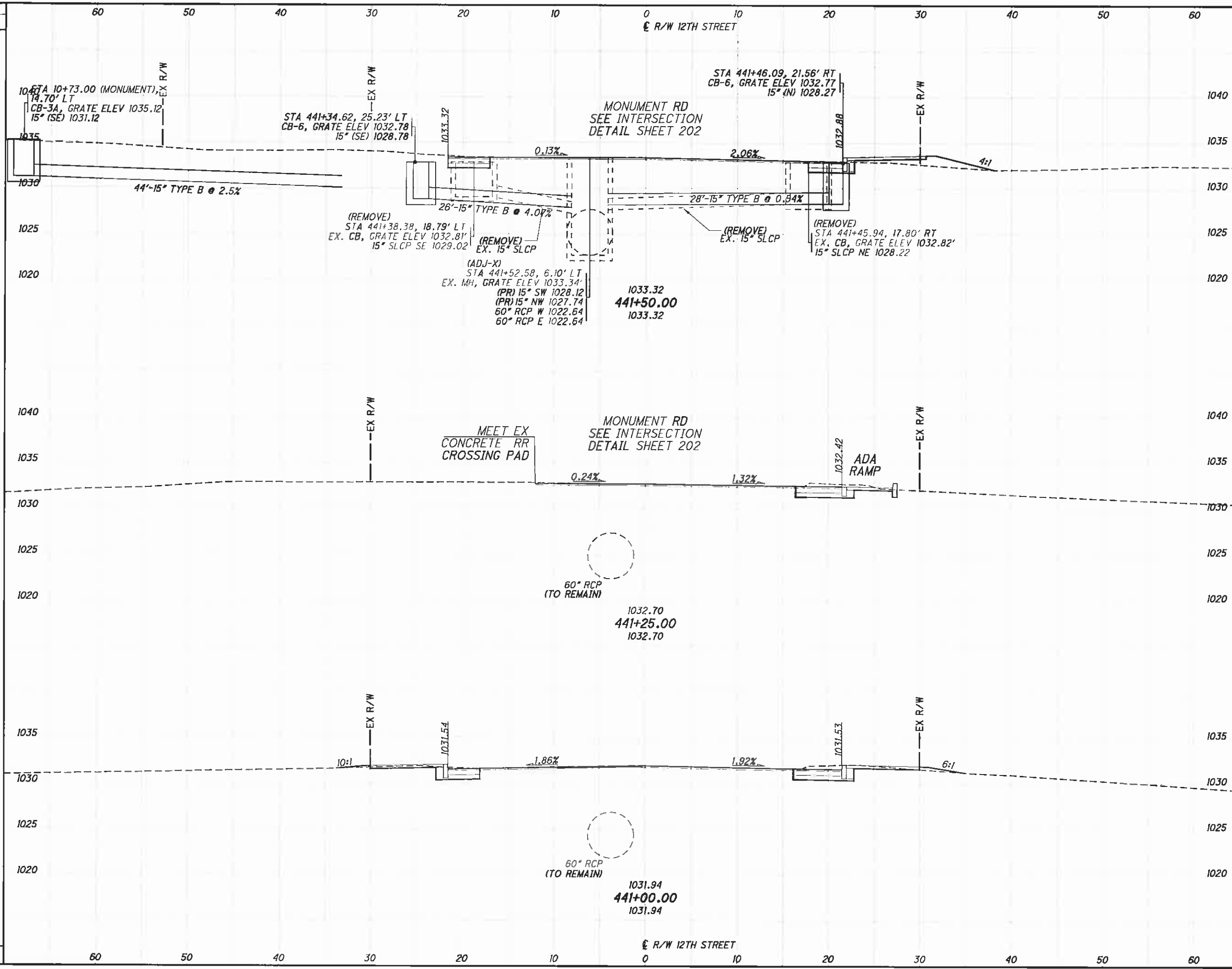
J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:33:24 PM dcbarhart ODOTV8I\_PDF\_Hair.plt cfbg ODOTV8I\_Pen-ME.tbl M-E Companies, Inc.



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
END WIDTH				
SO. YDS.				

CALCULATED  
 CHECKED  
**CROSS SECTIONS - 12TH STREET**  
**STA. 440+25.00 TO STA. 440+90.50**  
**STA-12TH STREET**  
 47  
 317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:33:26 PM dcbornhart\ ODOT\BI\_PDF\_Half.plt c:\m-e\companies, inc.

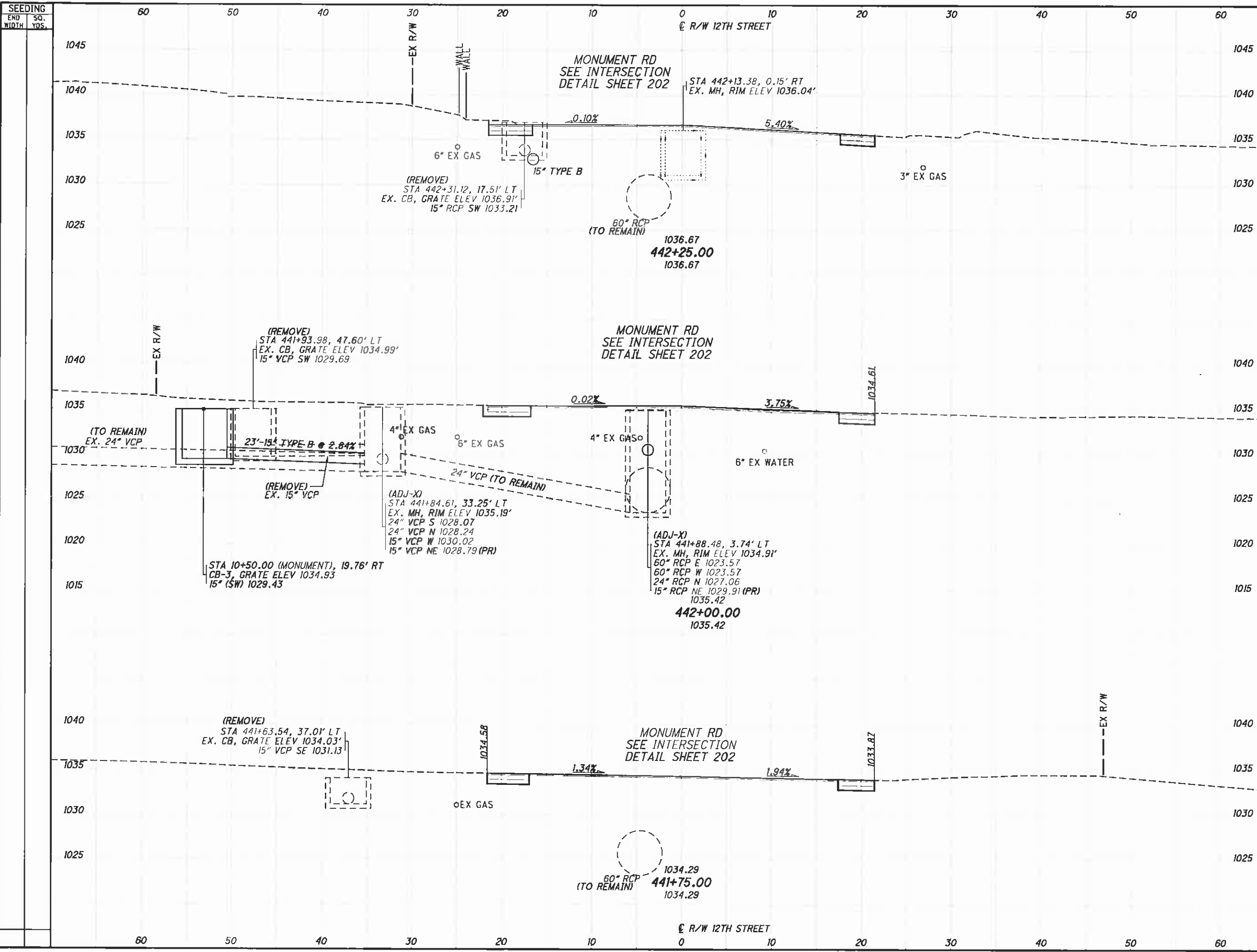


END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 441+00.00 TO STA. 441+50.00**



J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:33:28 PM dcbarhart\ ODOTVBI\_PDF\_Half.plt c:\g\odotvbi\_pen-me.tbl M-E Companies, Inc.



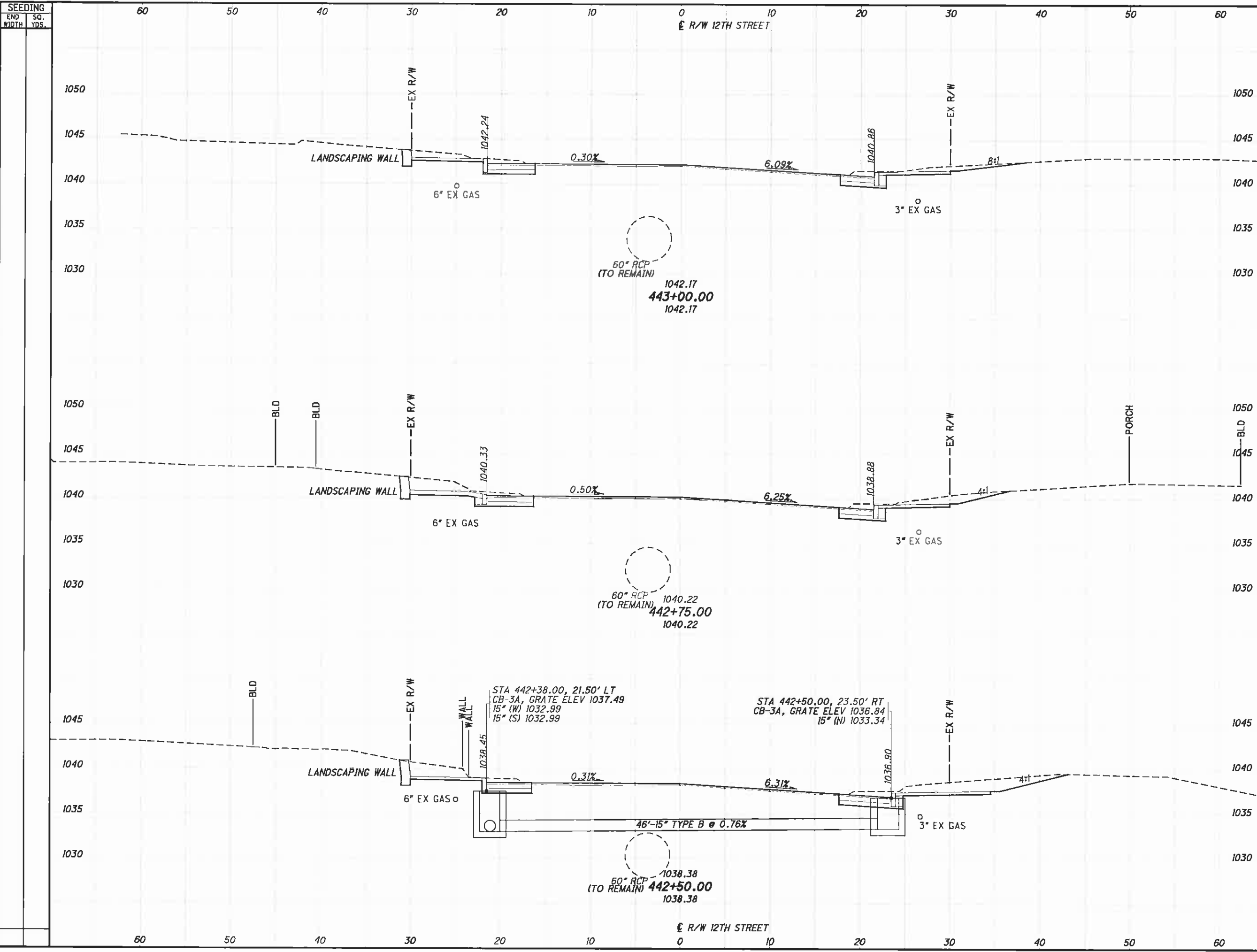
END STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
442+25.00				
442+00.00				
441+75.00				

CROSS SECTIONS - 12TH STREET  
STA. 441+75.00 TO STA. 442+25.00

STA-12TH STREET

49  
317

J:\TSA\11-060 12th Street\STA\B5299\roadway\sheets\B5299XS001.dgn 10/6/2011 3:33:30 PM dcbarhart\ ODOT\BI\_PDF\_Half.plt\cfg ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
END SO. WIDTH YDS.						

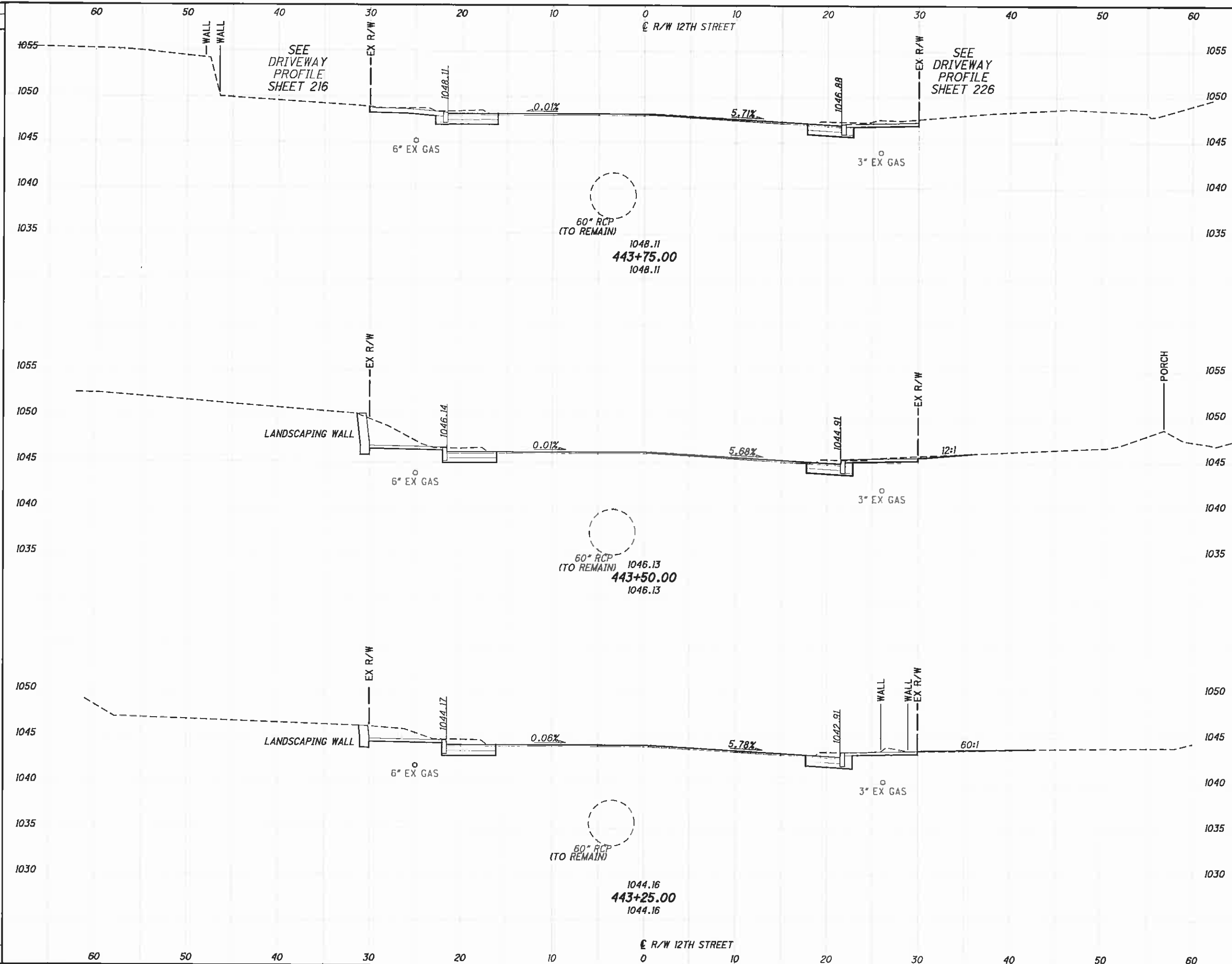
CROSS SECTIONS - 12TH STREET  
 STA. 442+50.00 TO STA. 443+00.00

STA-12TH STREET

50  
317

J:\TS\11\11-060 12th Street\STA\B5299\Roadway\Sheets\B5299XS001.dgn 10/6/2011 3:33:32 PM dcbarhart ODOT\B5\PDF\_Half\plc\fg 000TV81\_Pen-ME.tbl M-E Companies, Inc.

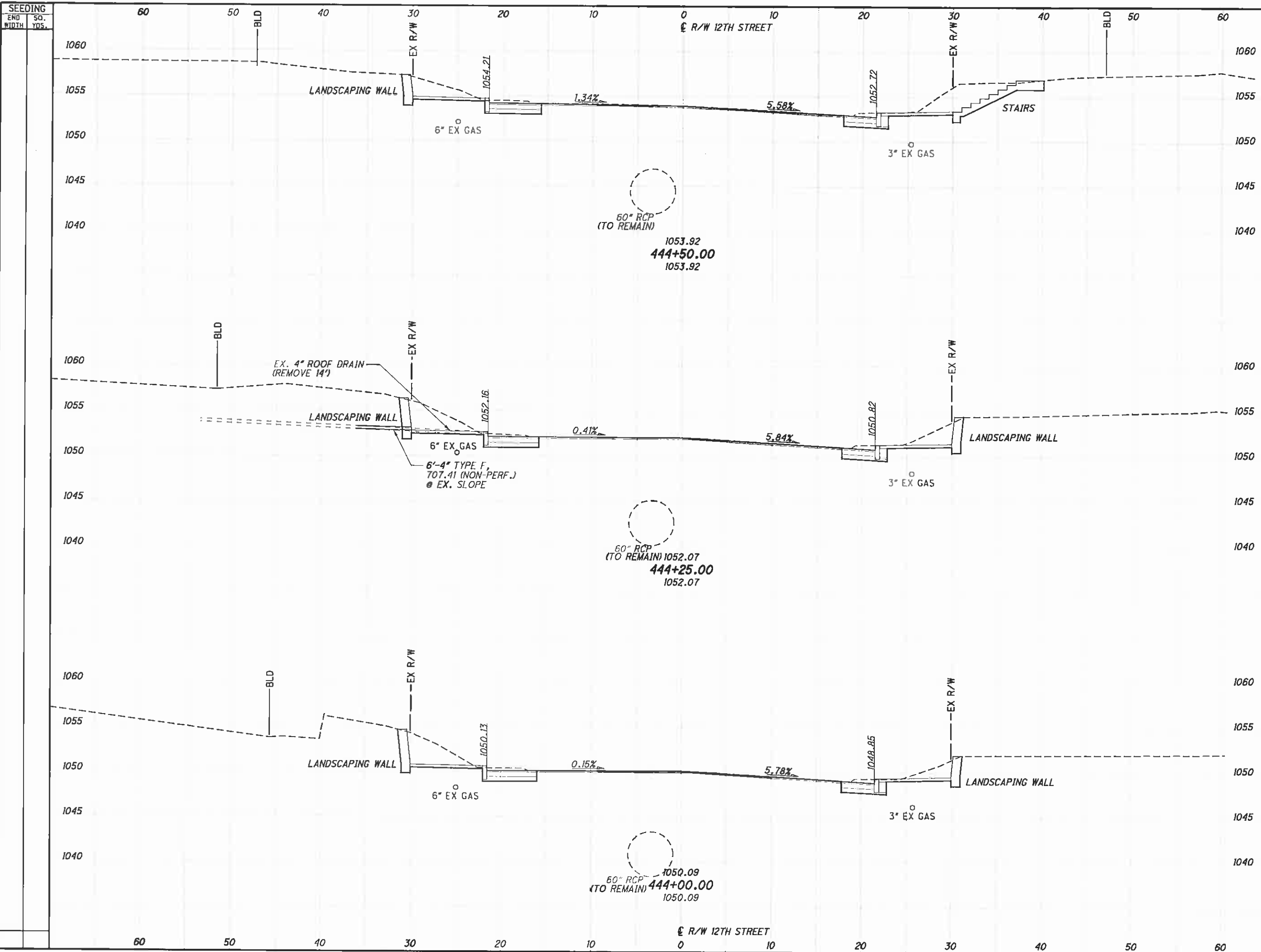
SEEDING  
END SO.  
WIDTH YDS.



END STA.	AREA		VOLUME	
	CUT	FILL	CUT	FILL

CALCULATED  
 CHECKED  
**CROSS SECTIONS - 12TH STREET**  
**STA. 443+25.00 TO STA. 443+75.00**  
**STA - 12TH STREET**

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:33:33 PM dcbarhart\000TVBI\_PDF\_Half.pltcfgr 000TVBI\_Pen-ME.tbl M-E Companies, Inc.

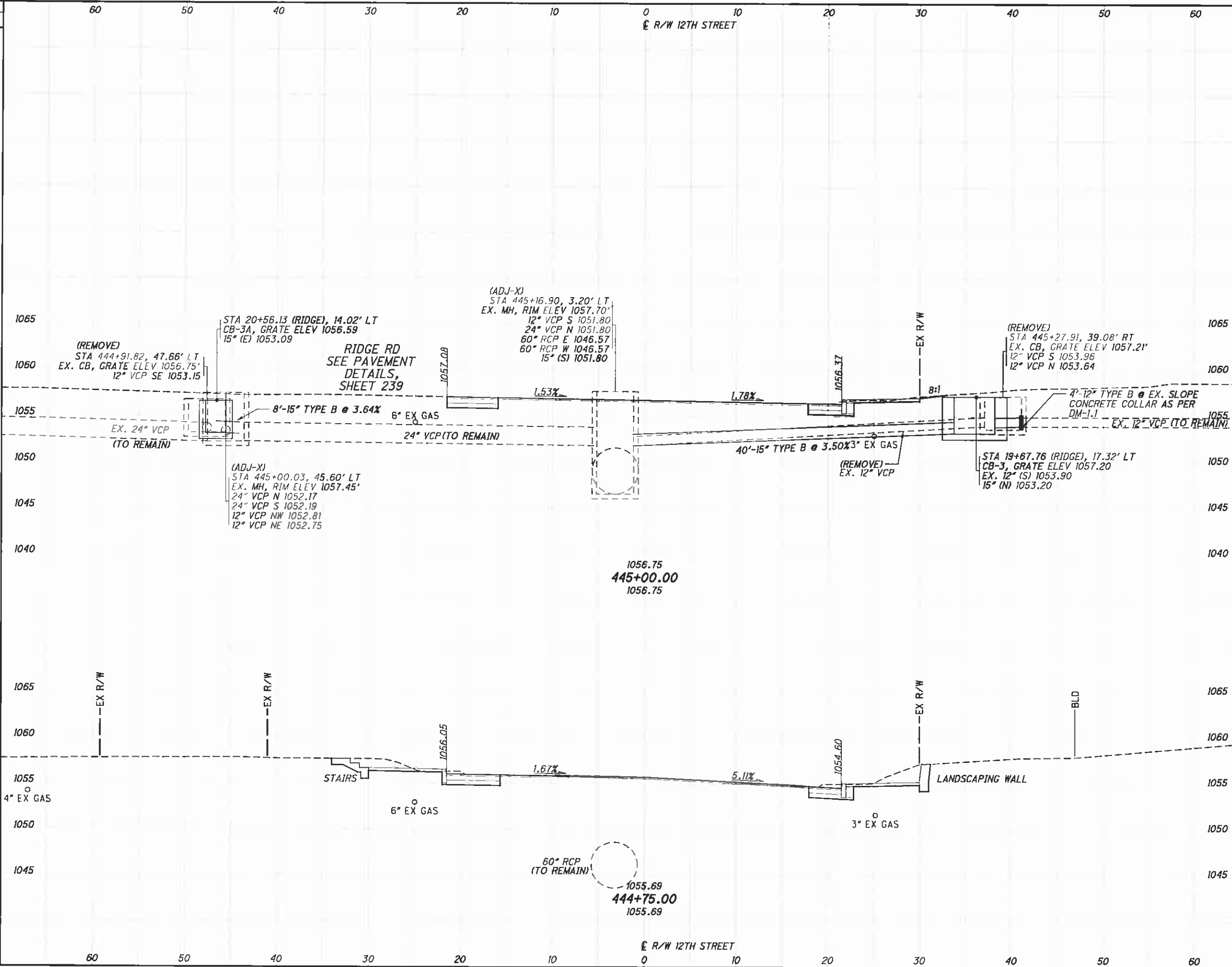


END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
444+00.00				
444+25.00				
444+50.00				

**CROSS SECTIONS - 12TH STREET**  
**STA. 444+00.00 TO STA. 444+50.00**  
**STA-12TH STREET**  
 CALCULATED  
 CHECKED

SEEDING	
END WIDTH	SO. YDS.

J:\TS\1111-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:33:35 PM dcbarhart ODOT\Bi\_PDF\_Hoif.plt:cjg ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.



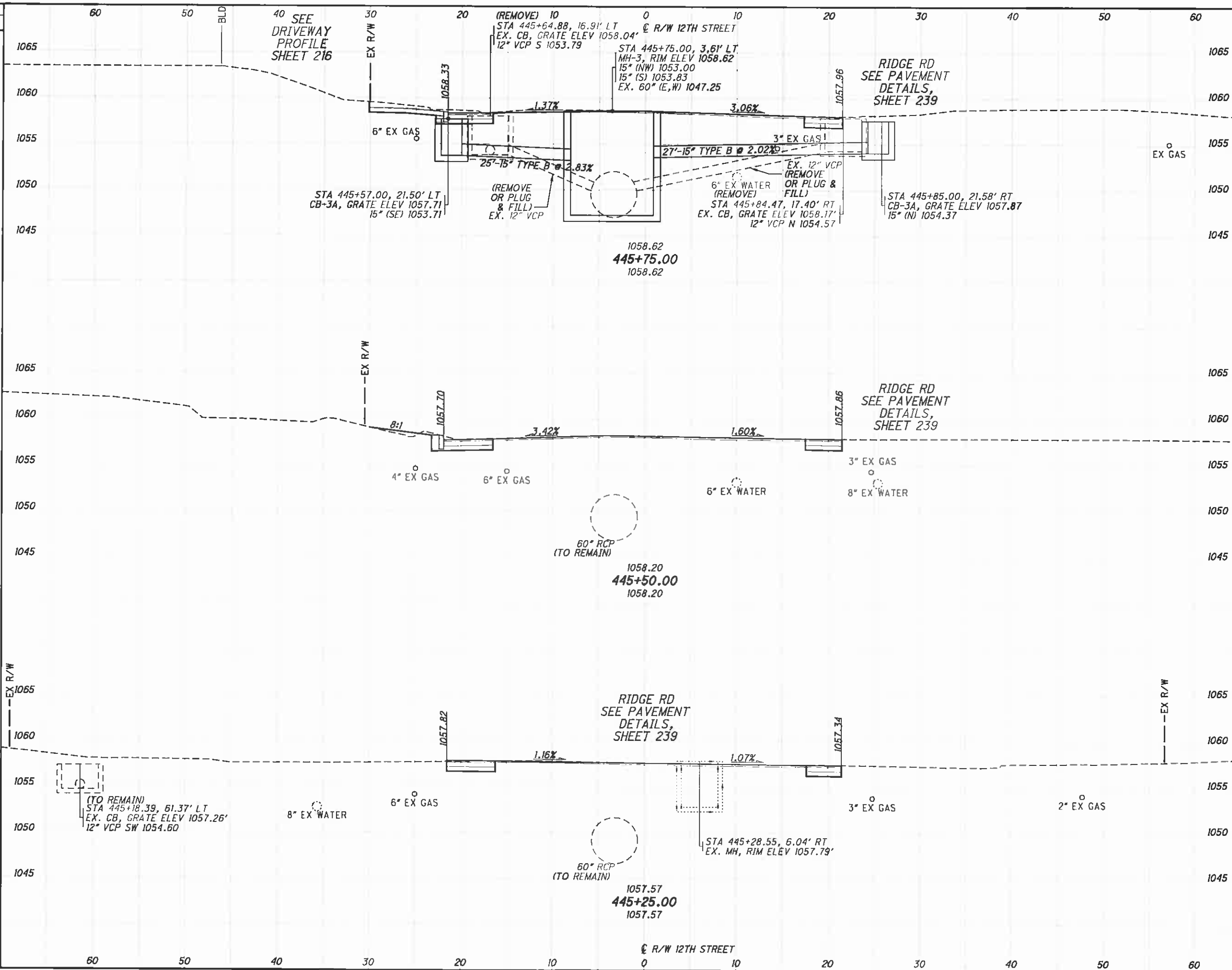
END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 444+75.00 TO STA. 445+00.00

STA-12TH STREET

SEEDING	
END WIDTH	SO. YDS.

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:33:37 PM dcbarhart" ODOTVBI\_PDF\_Hoif.plt:cig ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



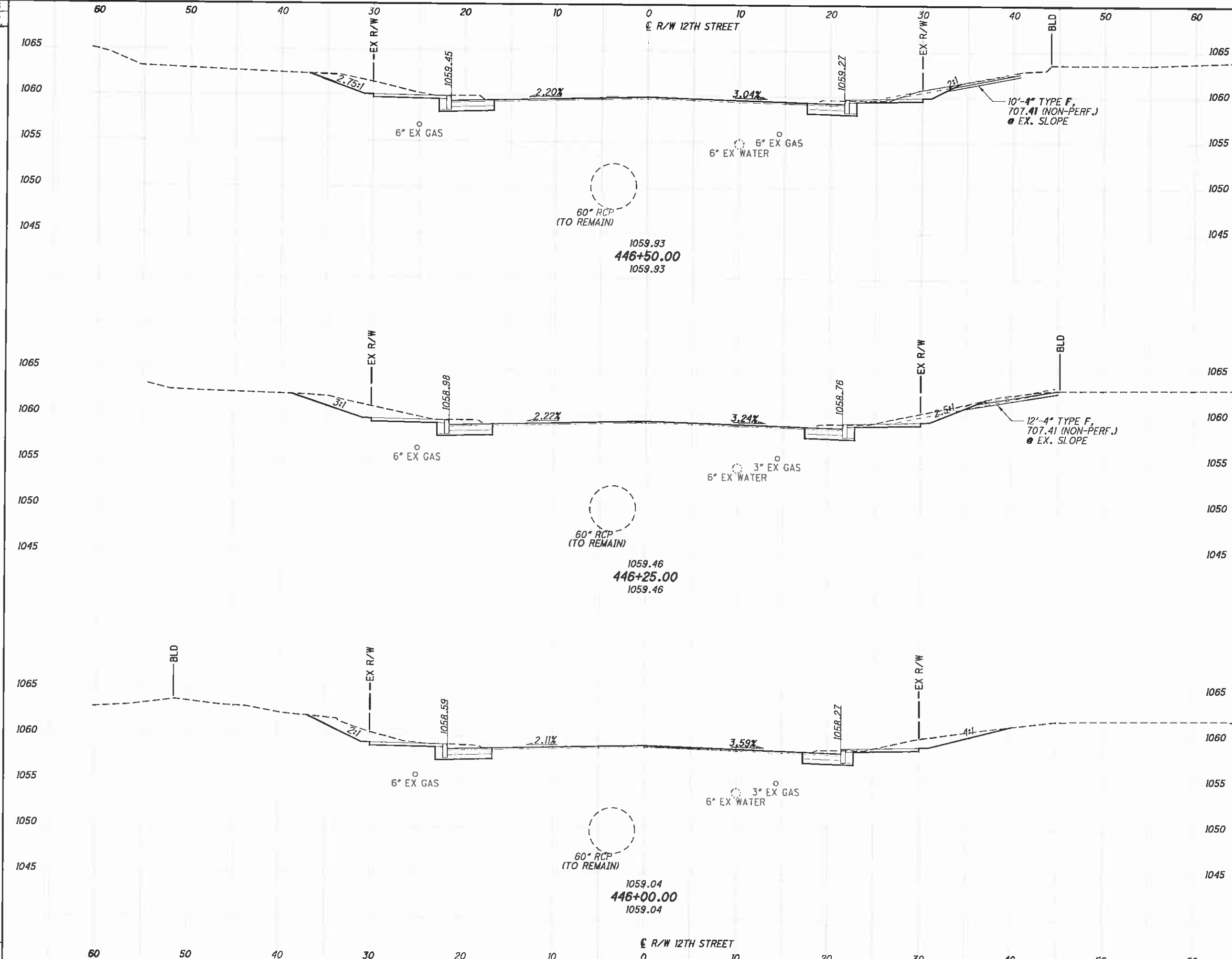
END STA	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
445+25.00						
445+50.00						
445+75.00						

**CROSS SECTIONS - 12TH STREET  
STA. 445+25.00 TO STA. 445+75.00**

**STA-12TH STREET**

J:\TS\1111-060 12th Street\STA\85299\Roadway\Sheets\85299XS001.dgn 10/6/2011 3:33:39 PM dcboerhart ODOTVBI\_PDF\_Hair\_Plot.fg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

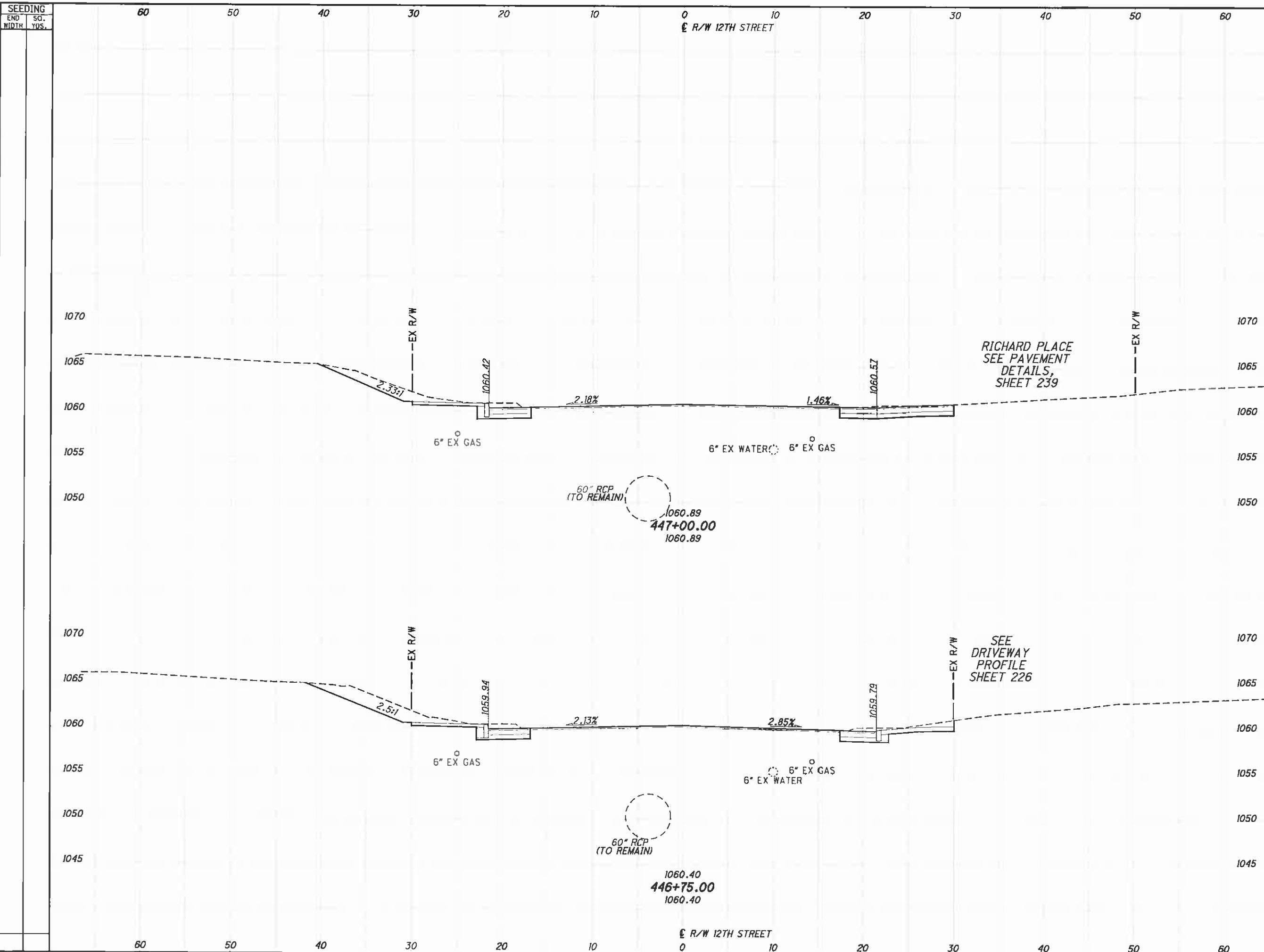
SEEDING	
END WIDTH	SQ. YDS.



END	AREA		VOLUME	
	CUT	FILL	CUT	FILL

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 446+00.00 TO STA. 446+50.00**

J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:33:41 PM dcbarhart ODOTVBI\_PDF\_Hair.pltcfq ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



END WIDTH	SEEDING SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

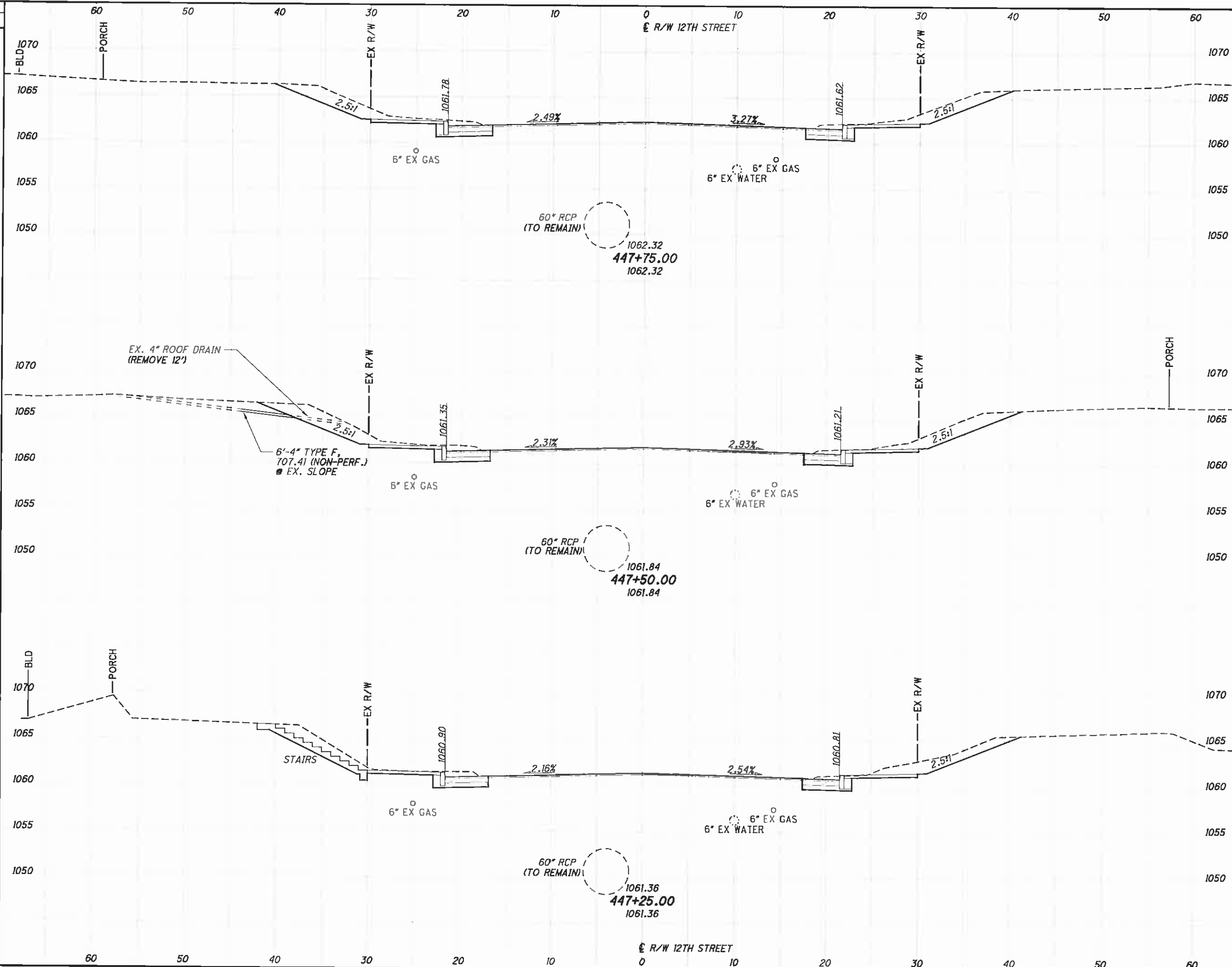
CROSS SECTIONS - 12TH STREET  
STA. 446+75.00 TO STA. 447+00.00

STA-12TH STREET



J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:33:42 PM dcbarrior\ ODOTVBi\_PDF\_Half.plc\g ODOTVBi\_Pen-ME.tbl M-E Companies, Inc.

SEEDING  
END WIDTH SO. YDS.



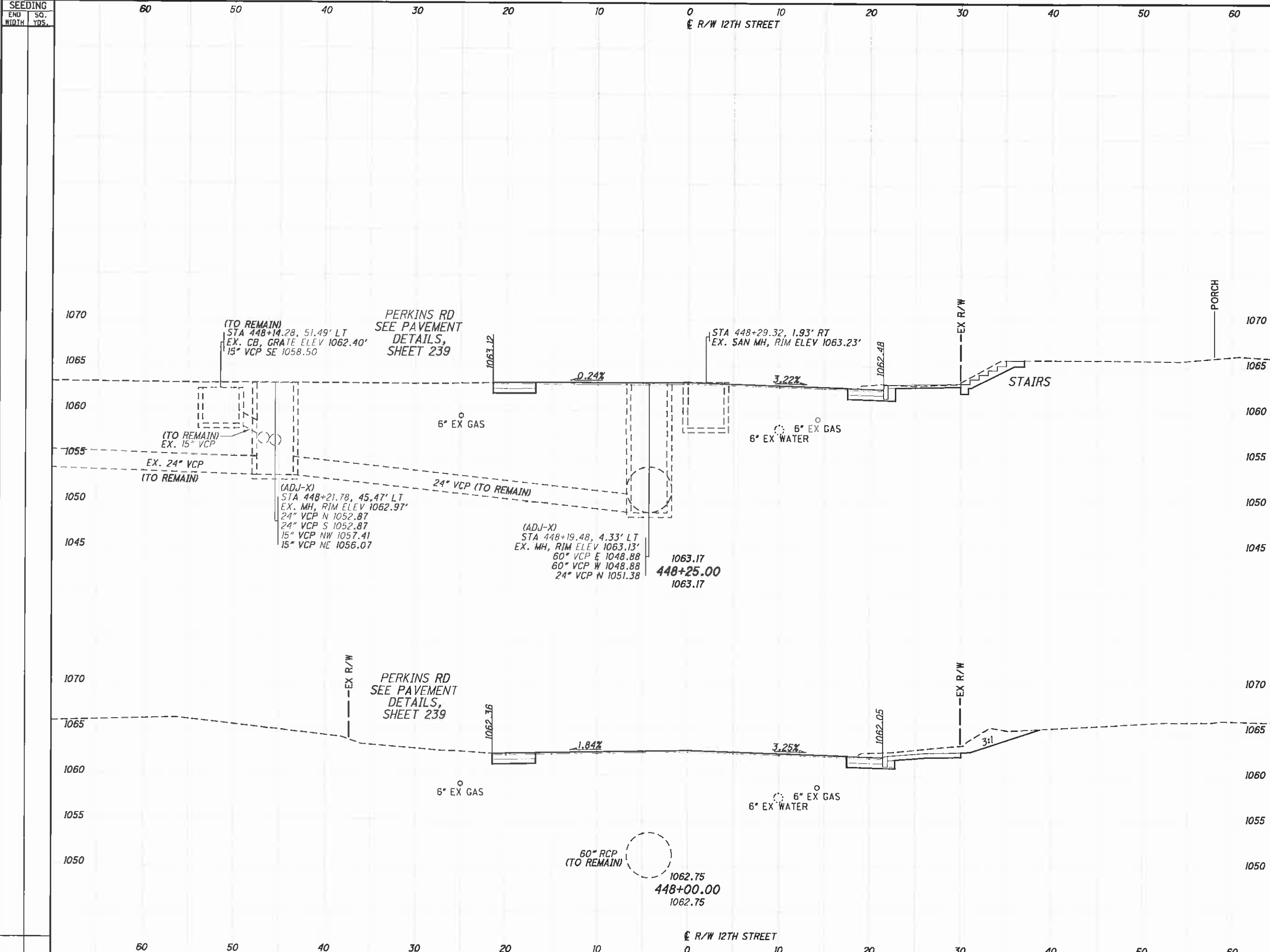
END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 447+25.00 TO STA. 447+75.00

STA-12TH STREET

57  
317

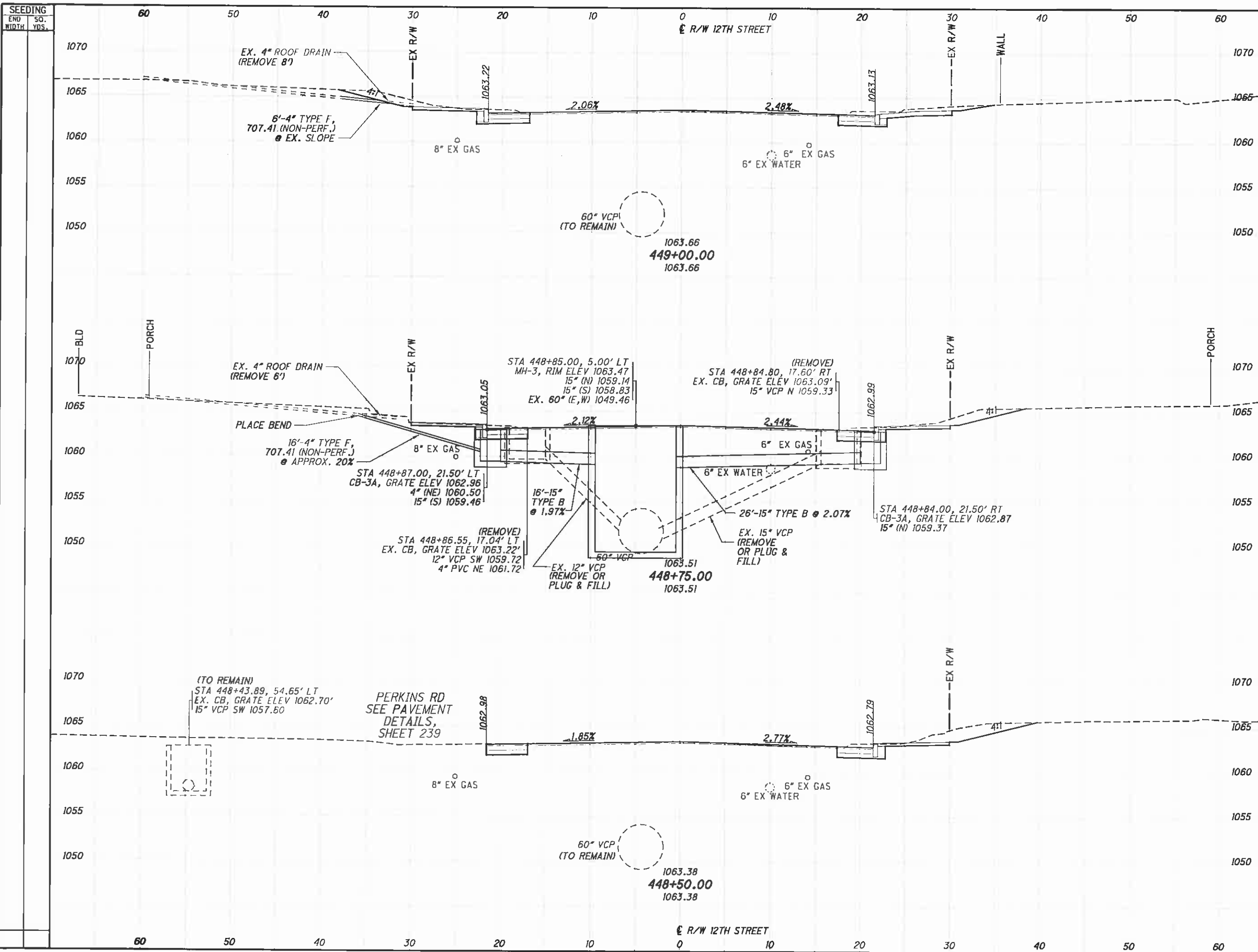
J:\15\11\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:33:44 PM debarthar\ ODOTV86\_PDF\_Half.plt\cfig ODOTV86\_Pen-ME.tbl M-E Companies, Inc.



END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60	1070						
60	1065						
60	1060						
60	1055						
60	1050						
60	1045						
60	1070						
60	1065						
60	1060						
60	1055						
60	1050						

**CROSS SECTIONS - 12TH STREET**  
**STA. 448+00.00 TO STA. 448+25.00**  
**STA-12TH STREET**  
 58  
 317

J:\15\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:33:46 PM dbarnhart ODOTV8i\_PDF\_Half.plt cfg ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
448+00.00				
448+50.00				
449+00.00				

STA-12TH STREET  
 CROSS SECTIONS - 12TH STREET  
 STA. 448+50.00 TO STA. 449+00.00  
 CALCULATED  
 CHECKED

J:\15\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:33:48 PM dcbornharl ODOT\B5\_Pen-ME.tbl M+E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

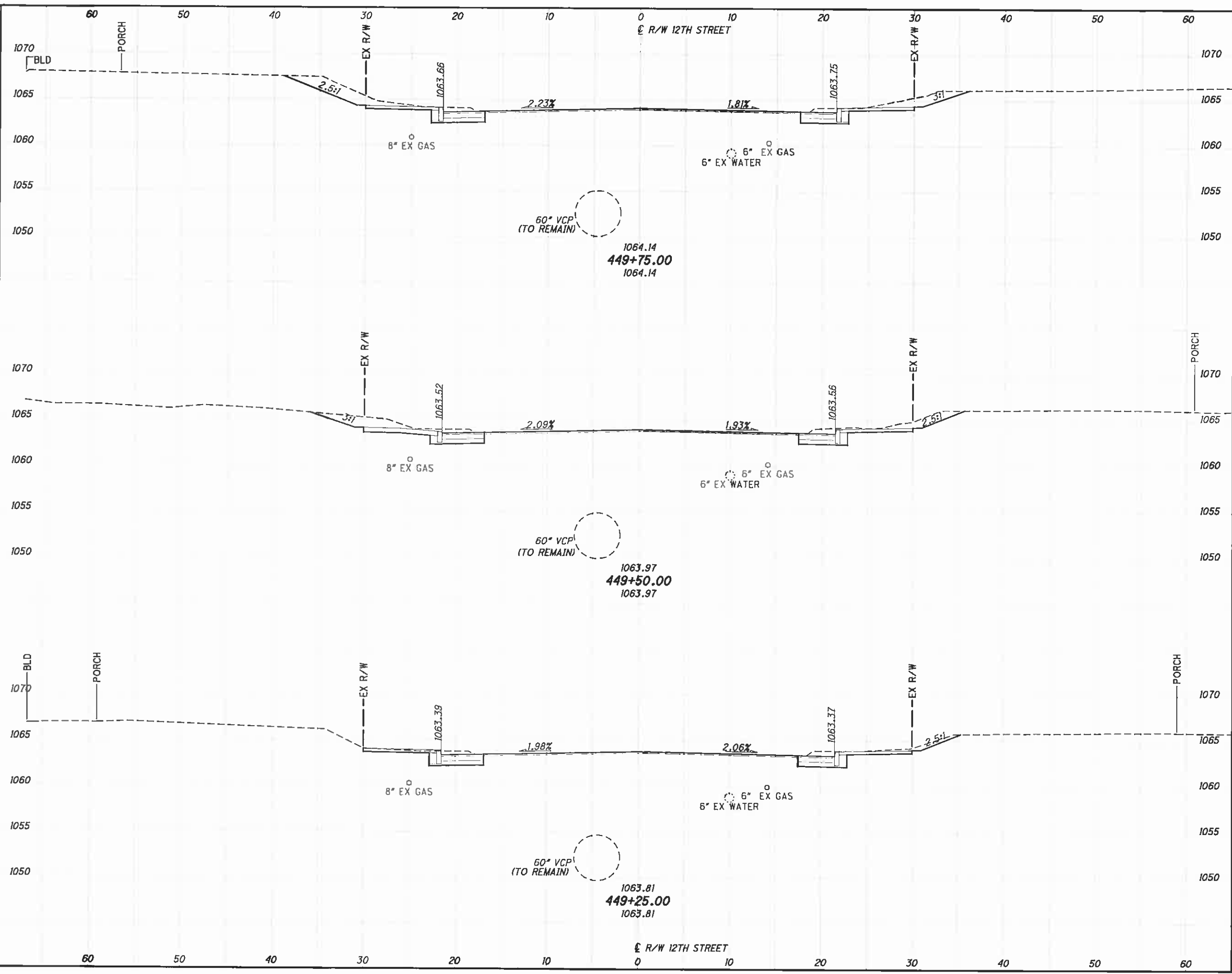
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED  
CHECKED

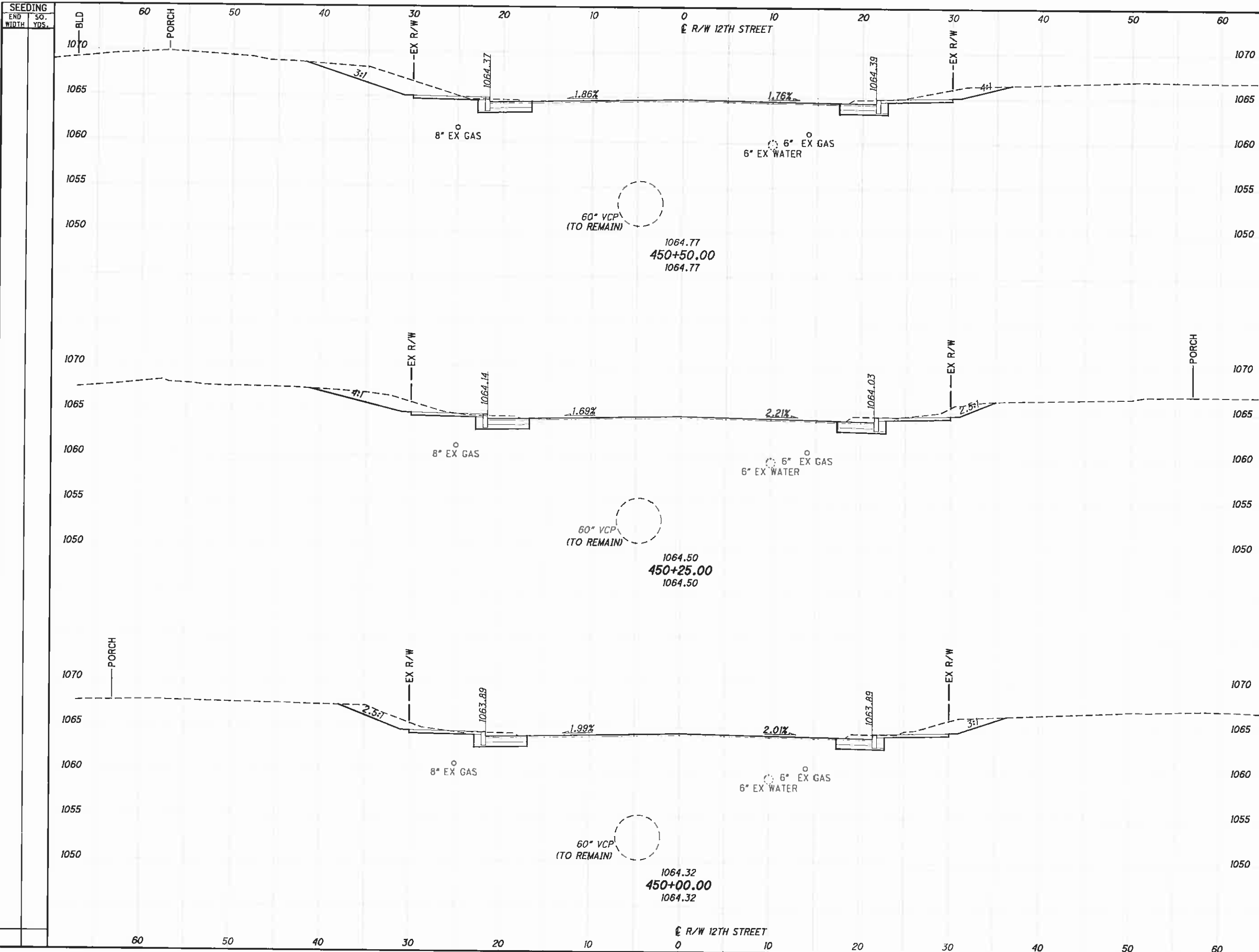
CROSS SECTIONS - 12TH STREET  
STA. 449+25.00 TO STA. 449+75.00

STA-12TH STREET

60  
317



J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:33:49 PM dcbarhart ODOTV81\_PDF\_Half.pltcfgr ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



BLD	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
1070				
1065				
1060				
1055				
1050				
1070				
1065				
1060				
1055				
1050				
1070				
1065				
1060				
1055				
1050				

R/W 12TH STREET

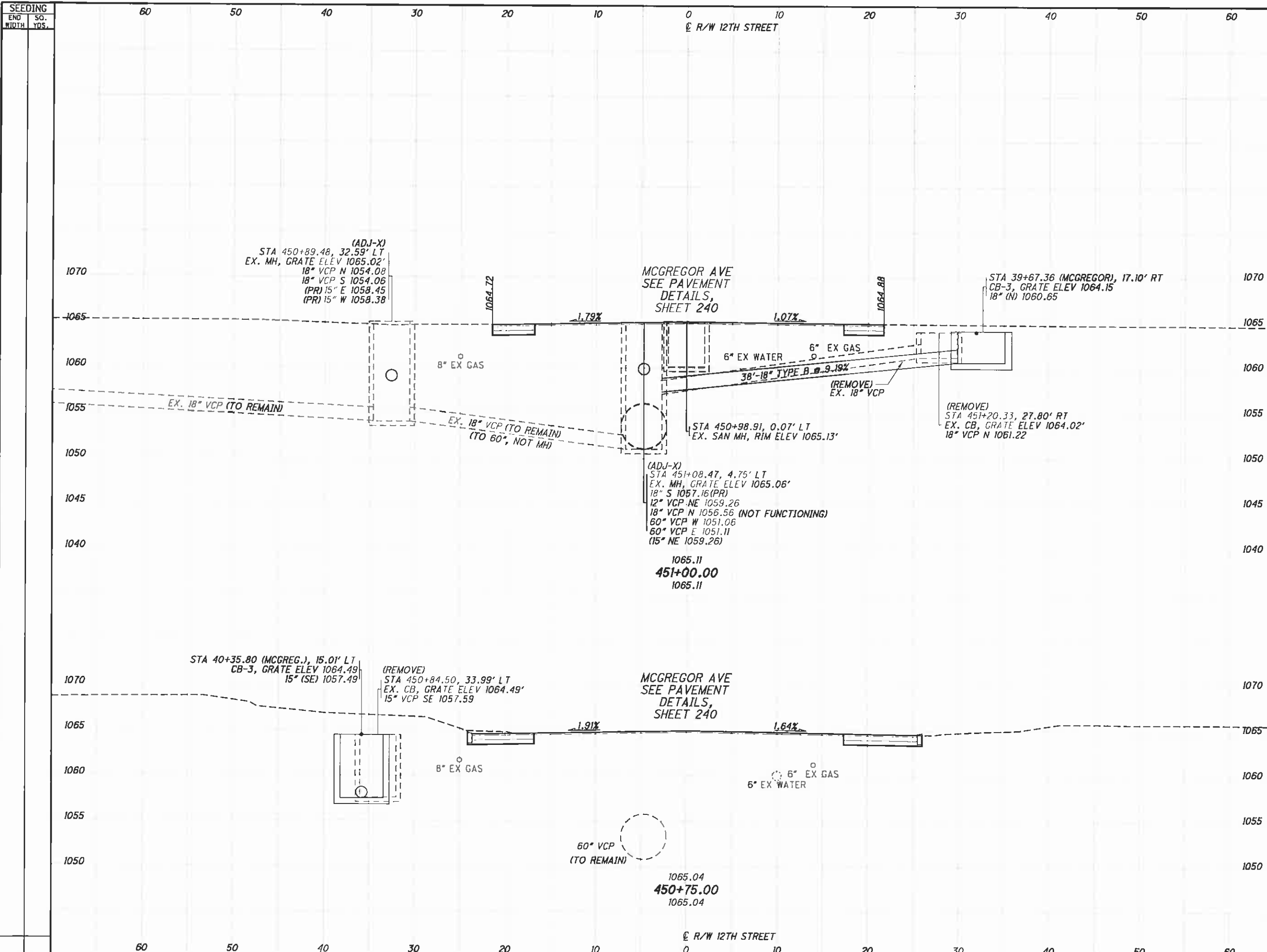
**CROSS SECTIONS - 12TH STREET**

**STA. 450+00.00 TO STA. 450+50.00**

**STA-12TH STREET**

61  
317

J:\T\11\11-060 12th Street\STA\85299\roadway\sheet\85299x5001.dgn 10/6/2011 3:33:51 PM dcbarhorl' ODOTVBI\_PDF\_Half.plt.cfg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

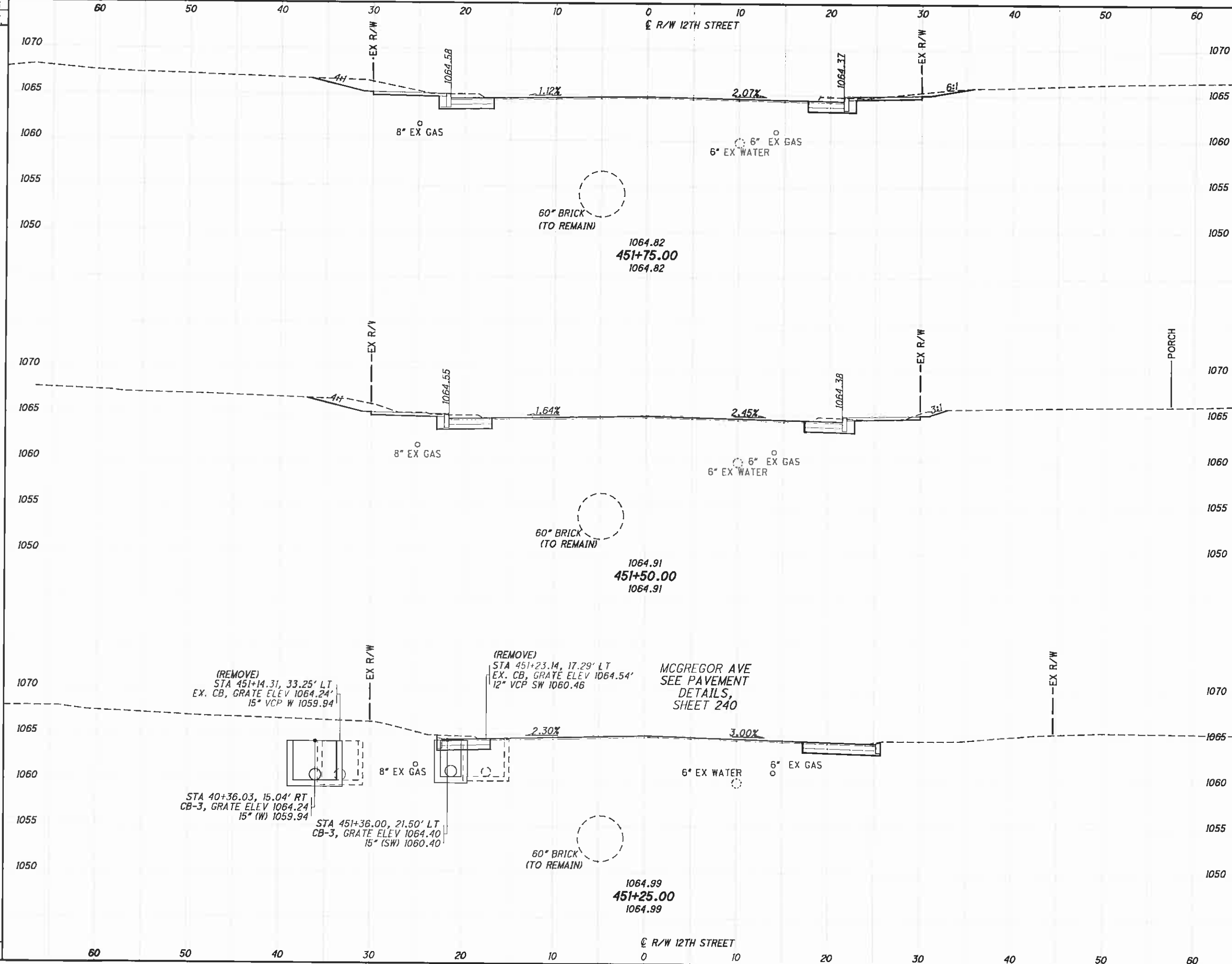


END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60	1070						
60	1065						
60	1060						
60	1055						
60	1050						
60	1045						
60	1040						
60	1070						
60	1065						
60	1060						
60	1055						
60	1050						

**CROSS SECTIONS - 12TH STREET**  
**STA. 450+75.00 TO STA. 451+00.00**  
**62**  
**317**

J:\TS\11.11.060 12th Street\STA\B5299\roadway\sheets\B5299XS001.dgn 10/6/2011 3:33:53 PM dcbarhart ODOT\B5\_PDF\_half.plt cfig ODOT\B5\_Pen\_ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.



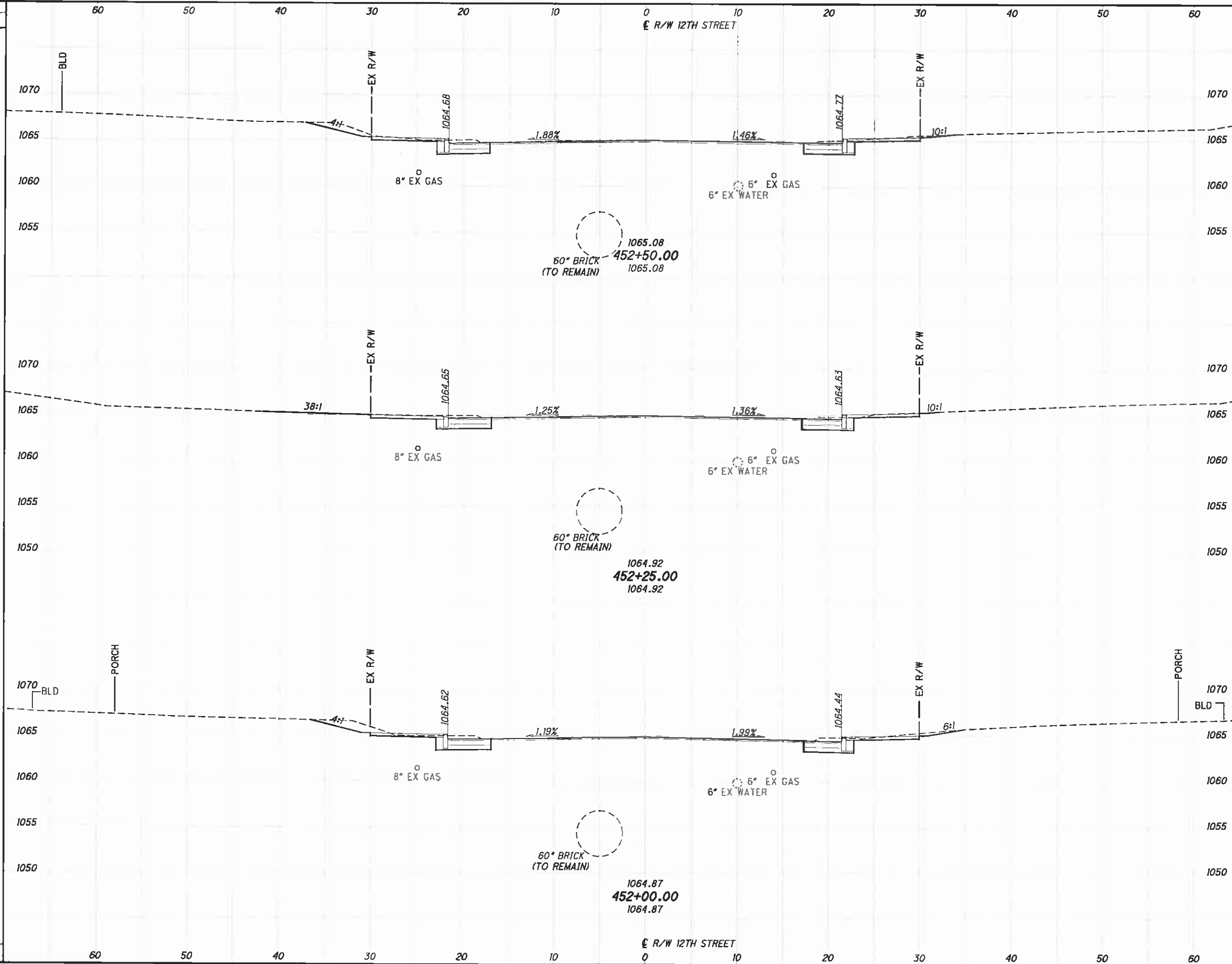
END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 451+25.00 TO STA. 451+75.00

STA-12TH STREET

SEEDING  
END SQ.  
WIDTH YDS.

J:\TSS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:33:55 PM dcbarhart ODOTVBI\_PDF\_Hall.plt cig ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



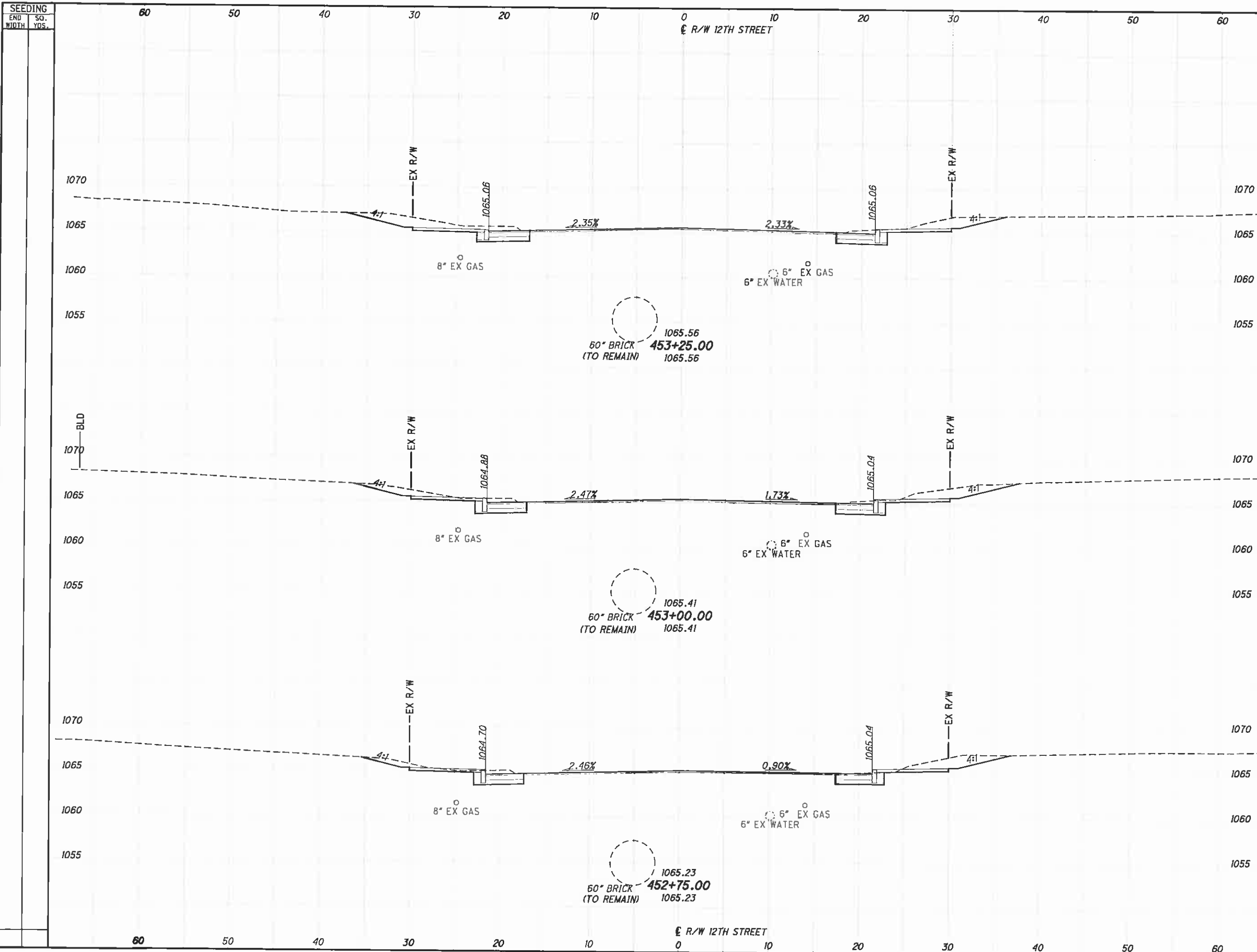
END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
452+00.00				
452+25.00				
452+50.00				

CROSS SECTIONS - 12TH STREET  
STA. 452+00.00 TO STA. 452+50.00

STA-12TH STREET



J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:33:57 PM dbarnhart' ODOTVBI\_PDF\_half.pltcfq ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



END WIDTH	SEEDING SQ. YDS.	END AREA		VOLUME	
		CUT	FILL	CUT	FILL
60					
50					
40					
30					
20					
10					
0					
10					
20					
30					
40					
50					
60					

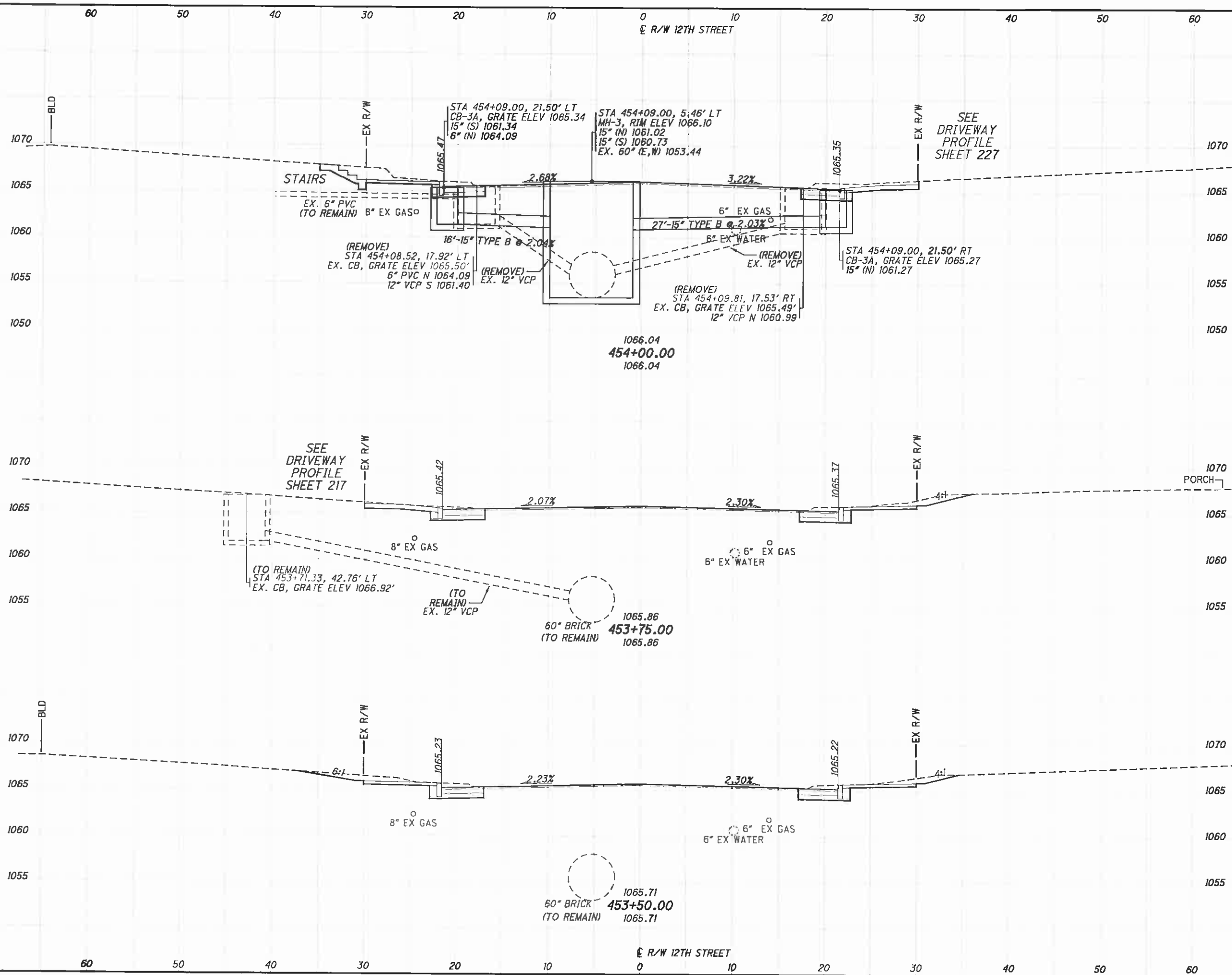
**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 452+75.00 TO STA. 453+25.00**

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
------------	---------

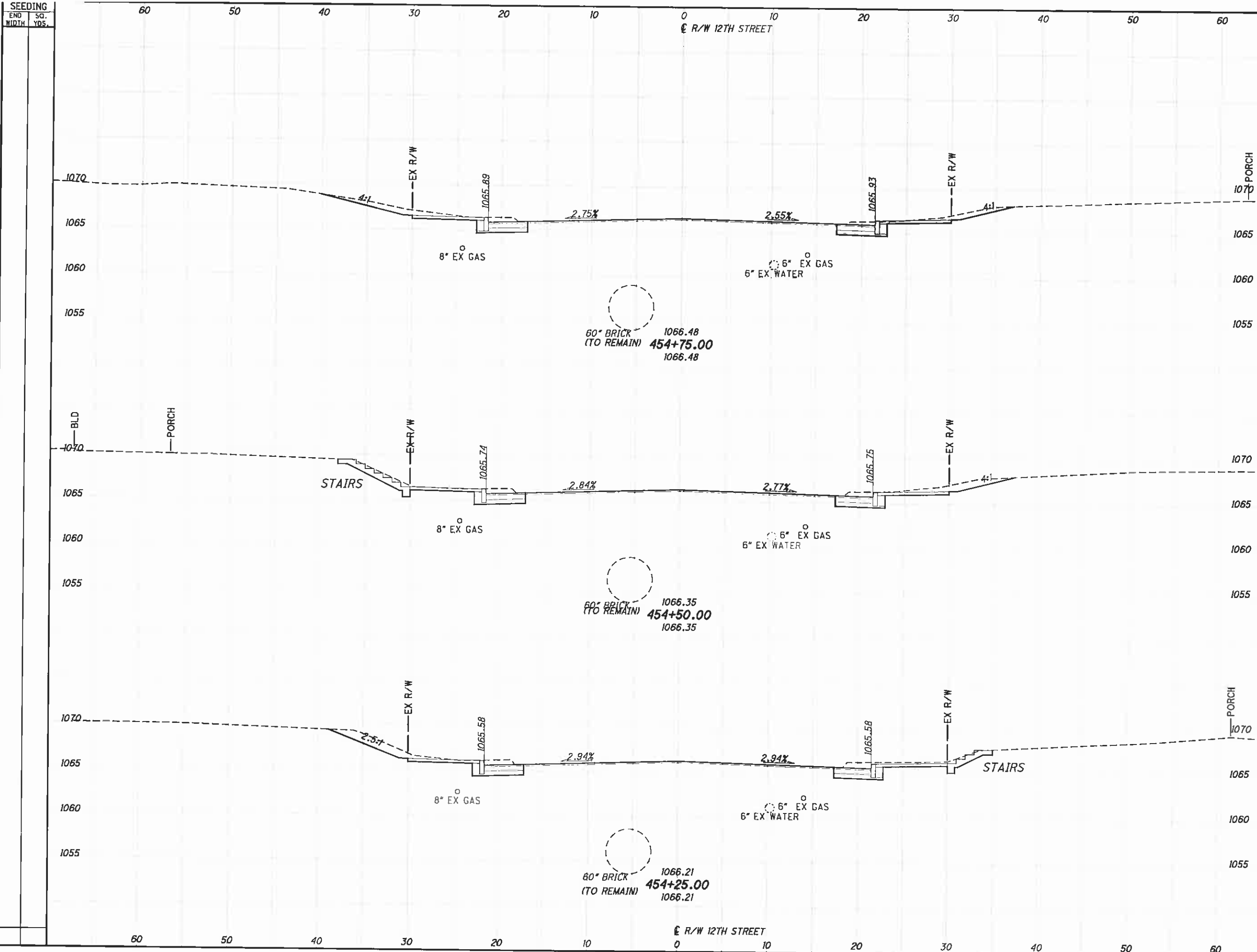
J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:33:59 PM dcbarrh1 ODOTVBI\_PDF\_Half.plt c:\g... ODOTVBI\_Pen-ME.tbl M+E Companies, Inc



CROSS SECTIONS - 12TH STREET  
STA. 453+50.00 TO STA. 454+00.00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299X5001.dgn 10/6/2011 3:34:00 PM dcbarhart ODOT\B\PDF\_Half.plt\c\g ODOT\B\Pen\_ME.tbl M-E Companies, inc.

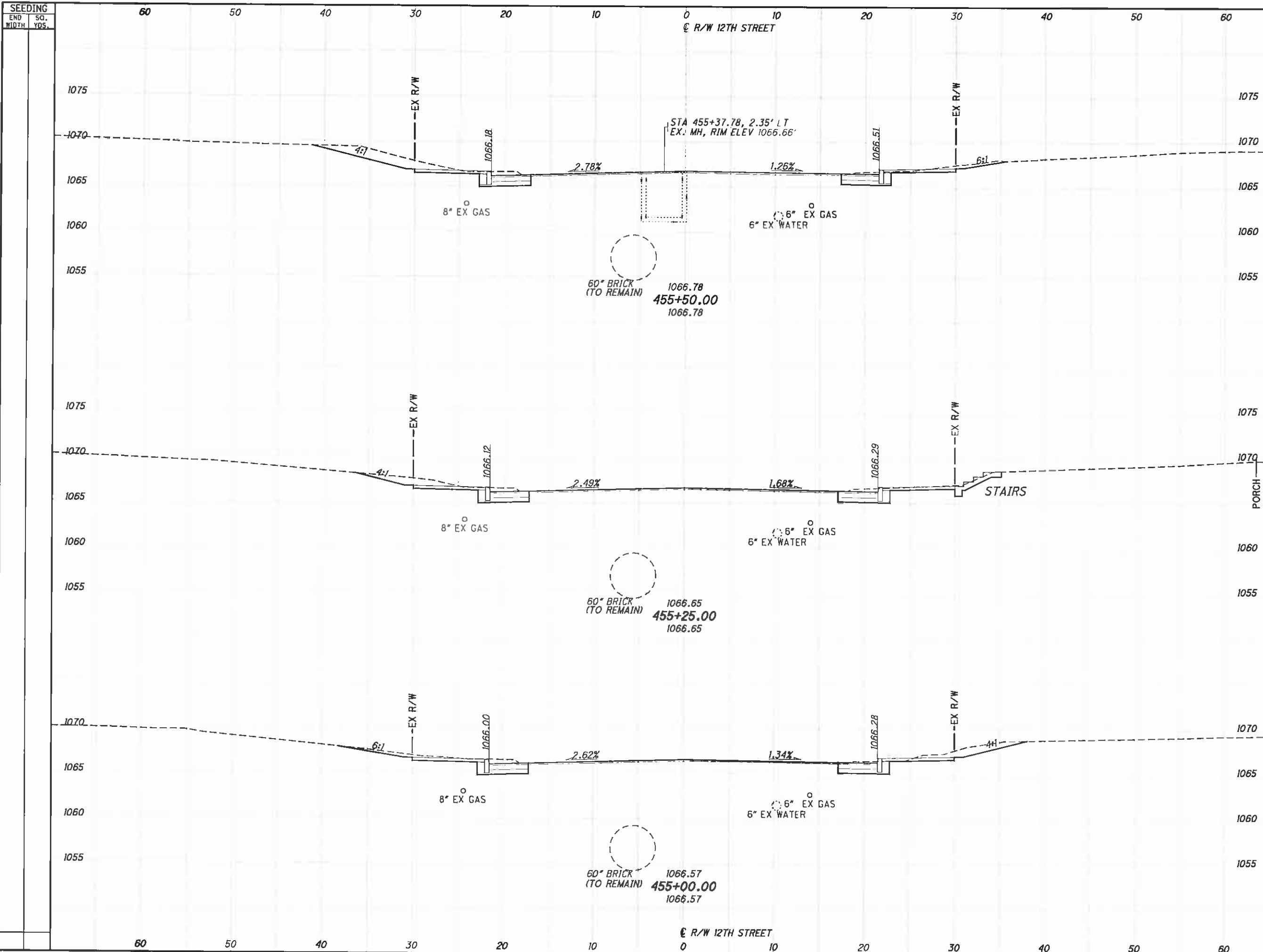


END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
454+75.00						
454+50.00						
454+25.00						

**CROSS SECTIONS - 12TH STREET  
STA. 454+25.00 TO STA. 454+75.00**

**STA-12TH STREET**

J:\TS\11\1-060 12th Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:34:02 PM dcbarhart ODOTVBI\_PDF\_Half.plt cfg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

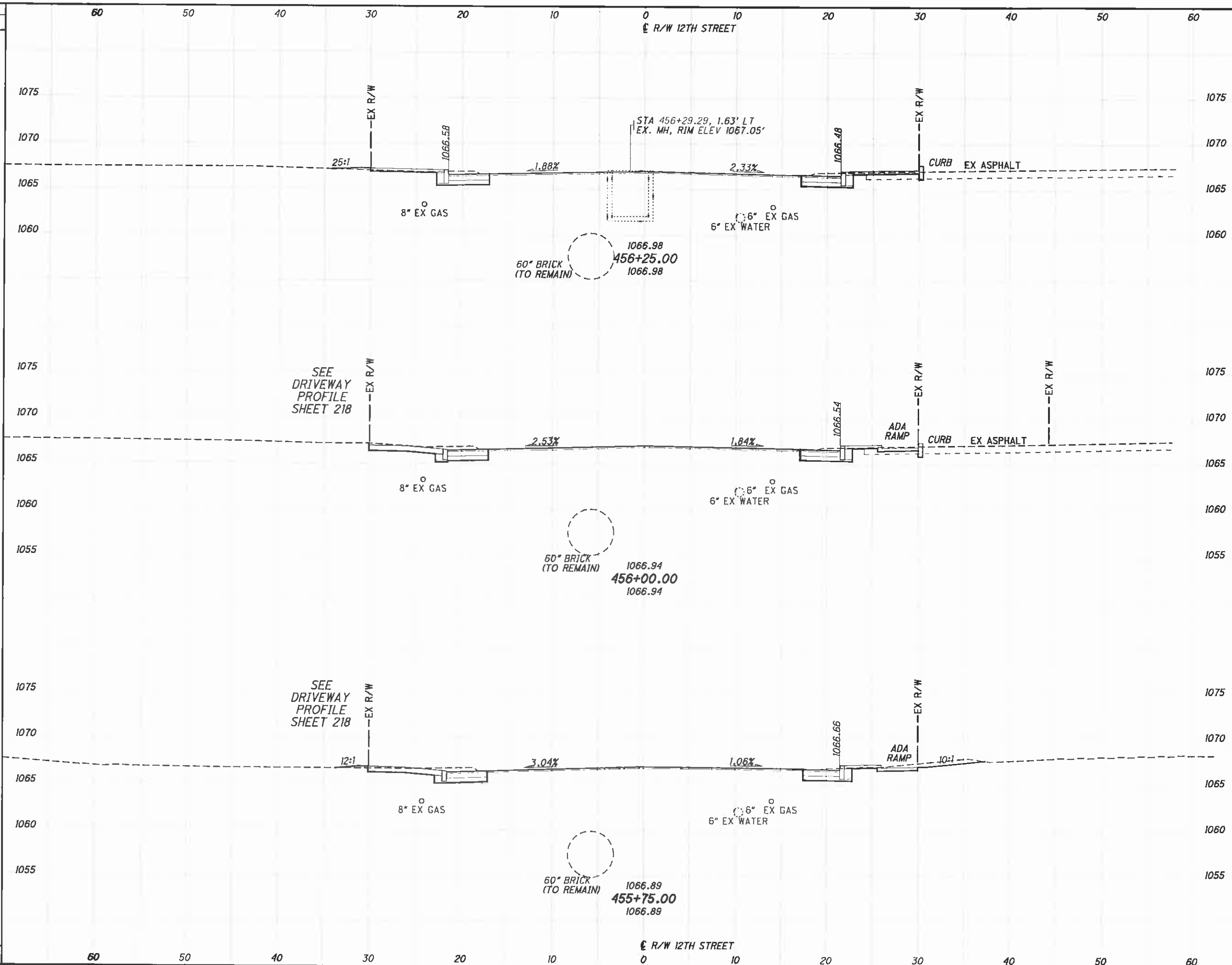


END WIDTH	SEEDING SQ. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

CROSS SECTIONS - 12TH STREET  
STA. 455+00.00 TO STA. 455+50.00

STA-12TH STREET

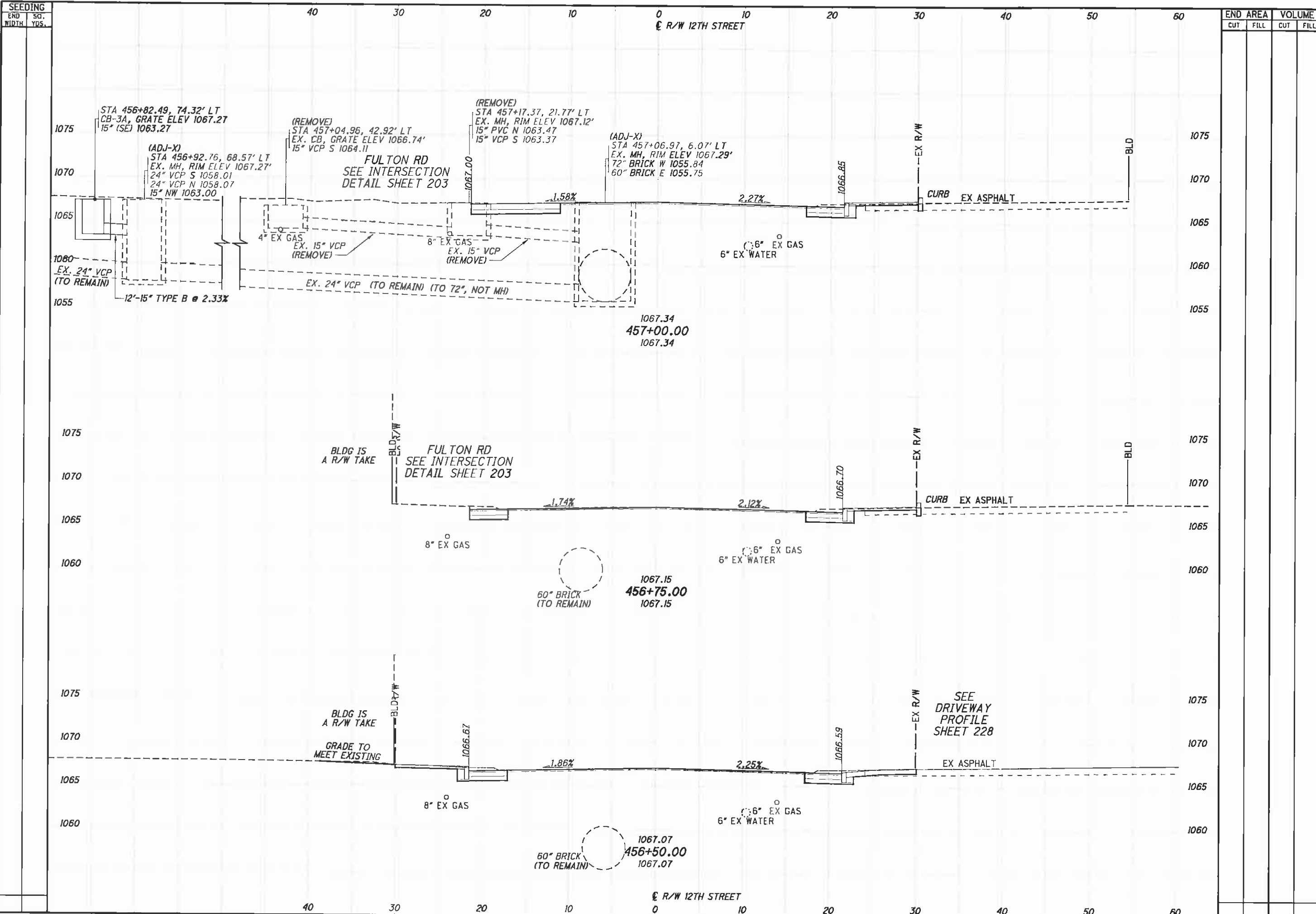
J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:34:04 PM dbarnhart ODOTV81\_PDF\_Half.plt c:\g\ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL

CROSS SECTIONS - 12TH STREET  
 STA. 455+75.00 TO STA. 456+25.00  
 STA-12TH STREET  
 69  
 317

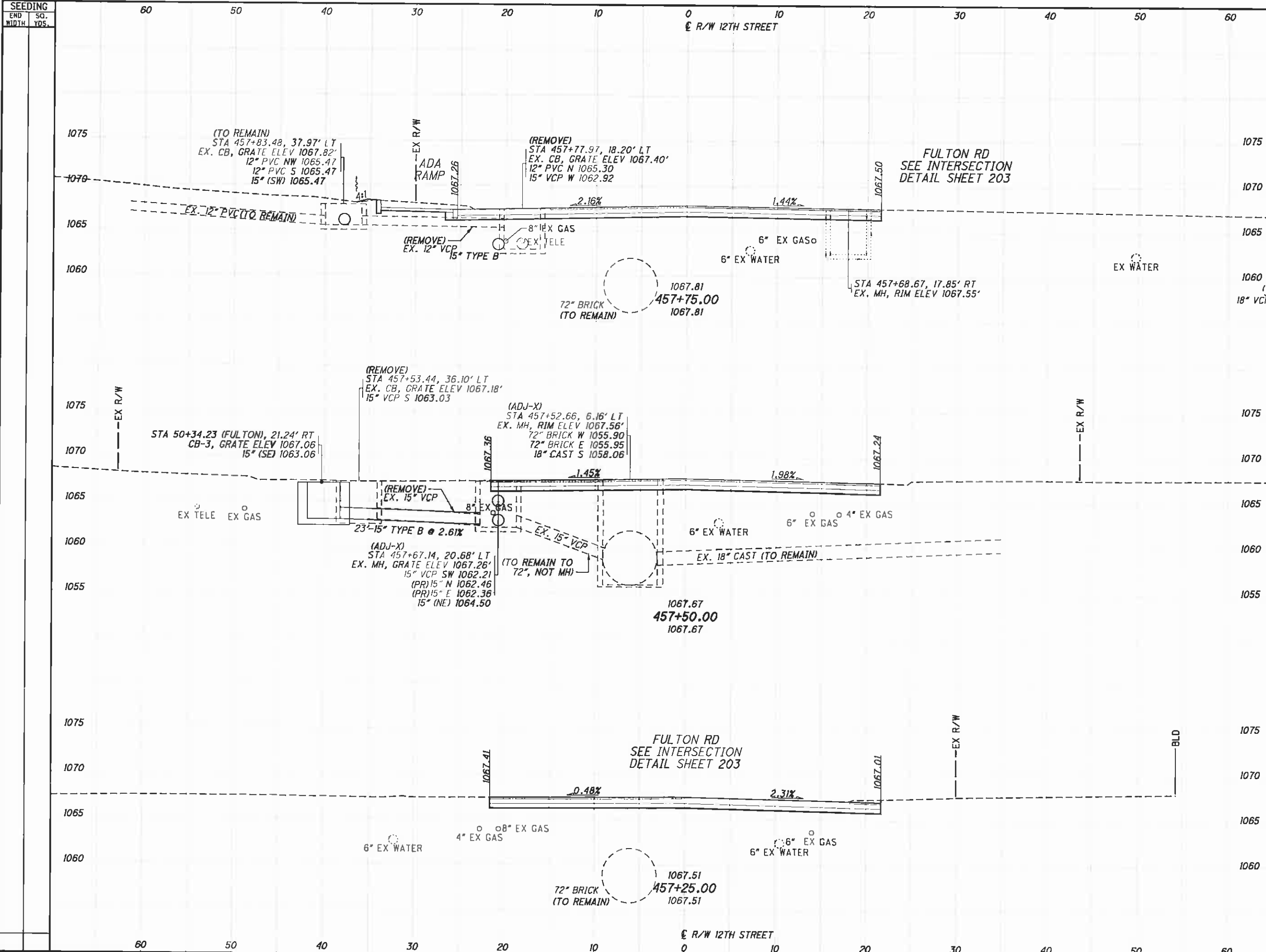
J:\TS\11-060 12th Street\STA\85299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:34:06 PM dabornhart ODOTVBi\_PDF\_Half.plt c:\g... ODOTVBi\_Pen-ME.tbl M-E Companies, Inc.



END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

**CROSS SECTIONS - 12TH STREET**  
**STA. 456+50.00 TO STA. 457+00.00**  
**STA-12TH STREET**

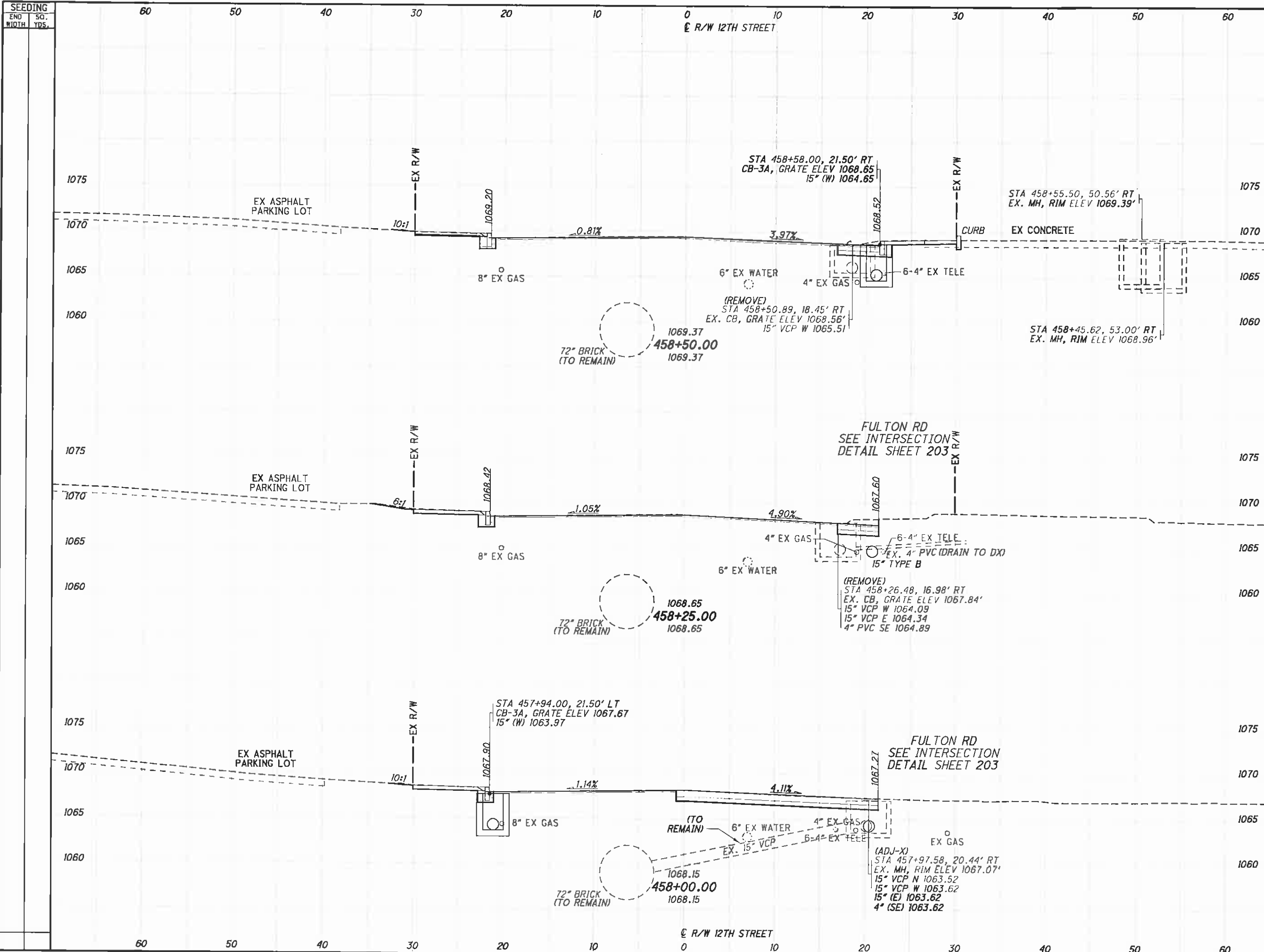
J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299X001.dgn 10/6/2011 3:34:07 PM dcbornhart\ ODOTVBI\_PDF\_Half.plt c:\p\m-e\companies, inc.



END AREA	VOLUME	CALCULATED	CHECKED

**CROSS SECTIONS - 12TH STREET**  
**STA. 457+25.00 TO STA. 457+75.00**  
71  
317

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:34:09 PM dcbarhart ODOTVBI\_PDF\_Half.plt cfig ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



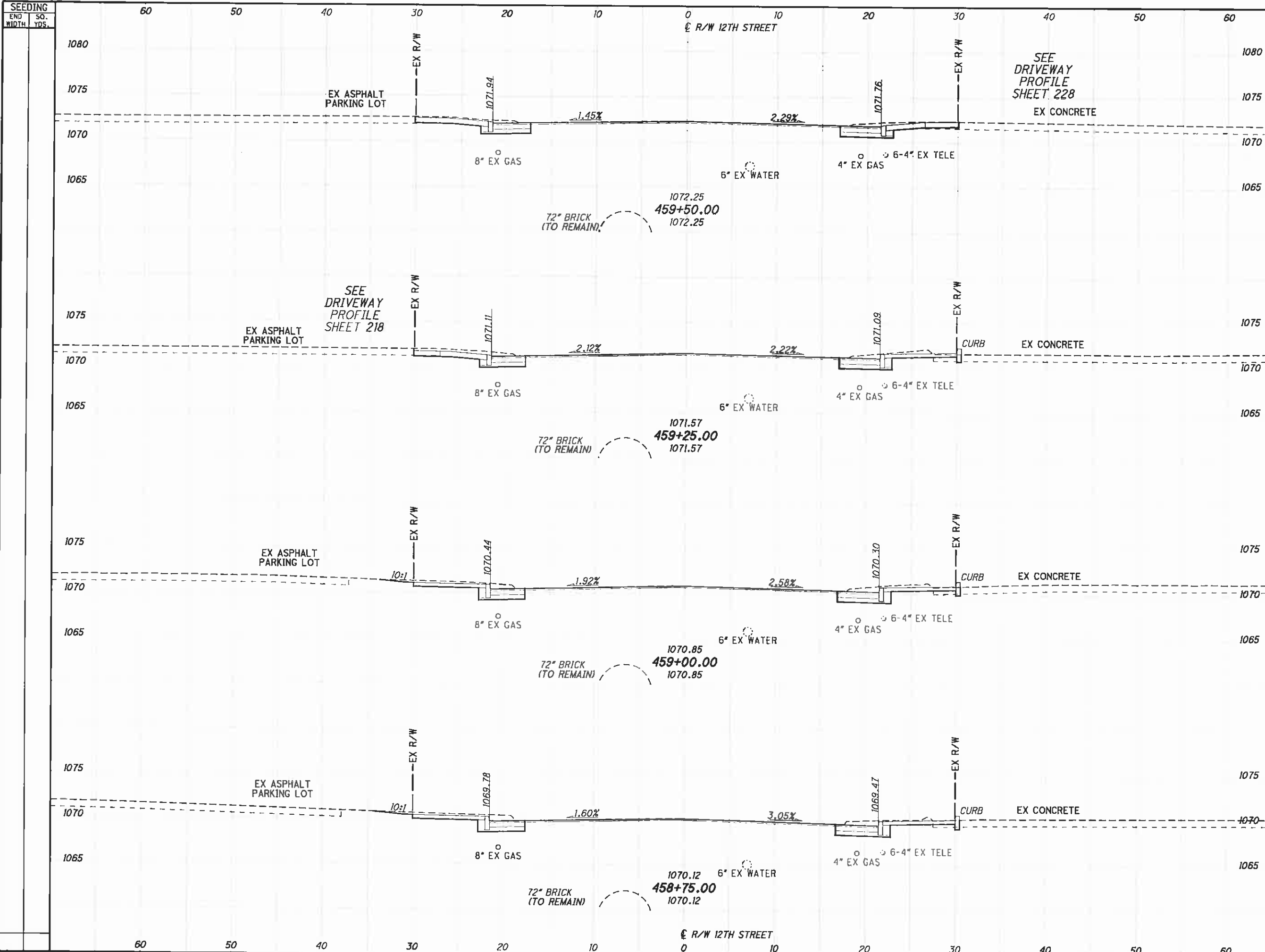
END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

CROSS SECTIONS - 12TH STREET  
STA. 458+00.00 TO STA. 458+50.00

STA-12TH STREET



J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:34:11 PM acbarhart ODOT\Bi\_PDF\_Half.plt\cig ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.

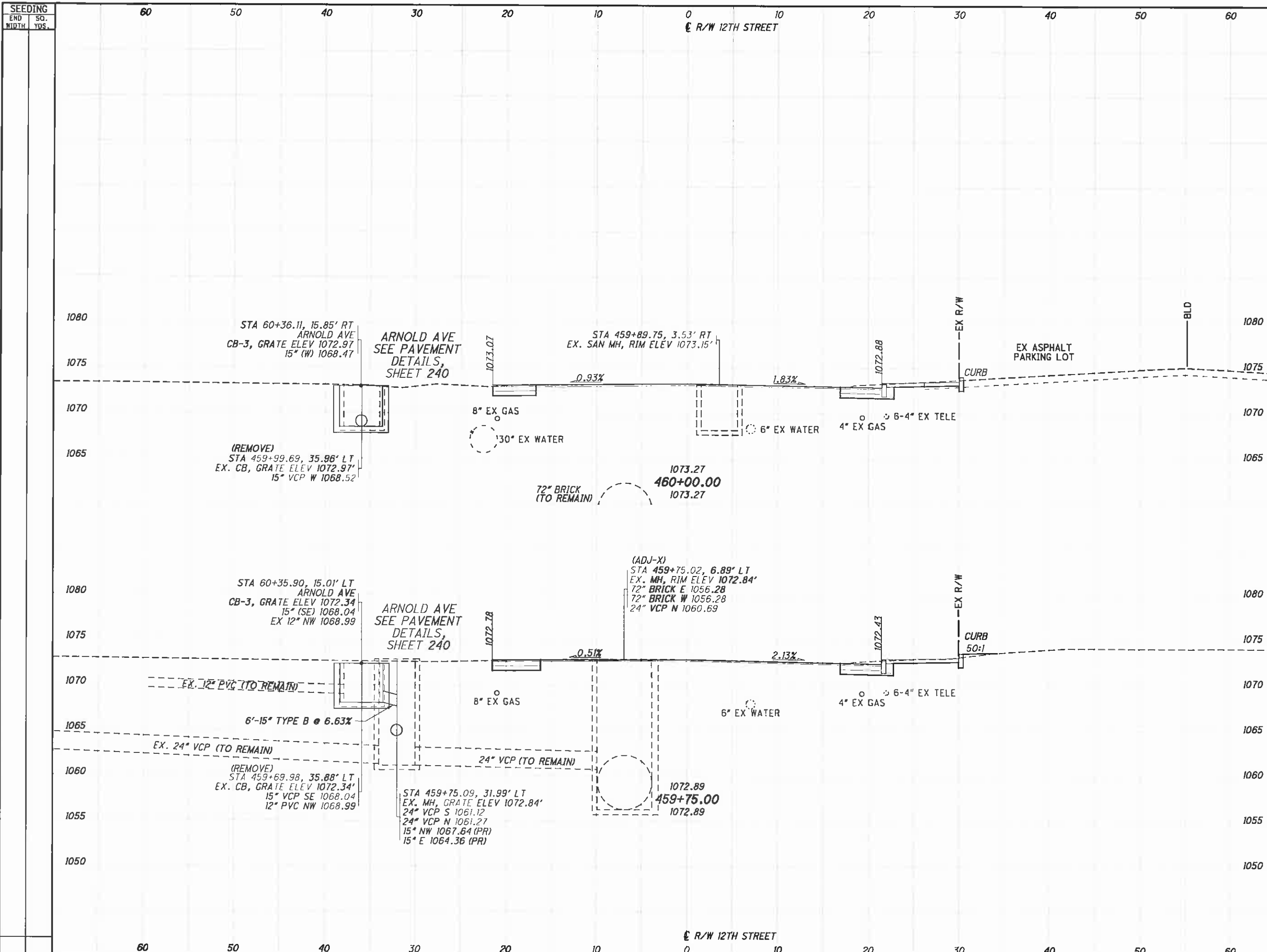


END WIDTH	SEEDING SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
60							
60							
60							
60							

CROSS SECTIONS - 12TH STREET  
STA. 458+75.00 TO STA. 459+50.00

STA-12TH STREET

J:\15\11-060 12th Street\STA\B5299\Roadway\Sheets\B5299X5001.dgn 10/6/2011 3:34:13 PM dcbarner\l' ODOT\Bj\_PDF\_Half.plt.cfb ODOT\Bj\_Pen-ME.tbl M-E Companies, Inc.

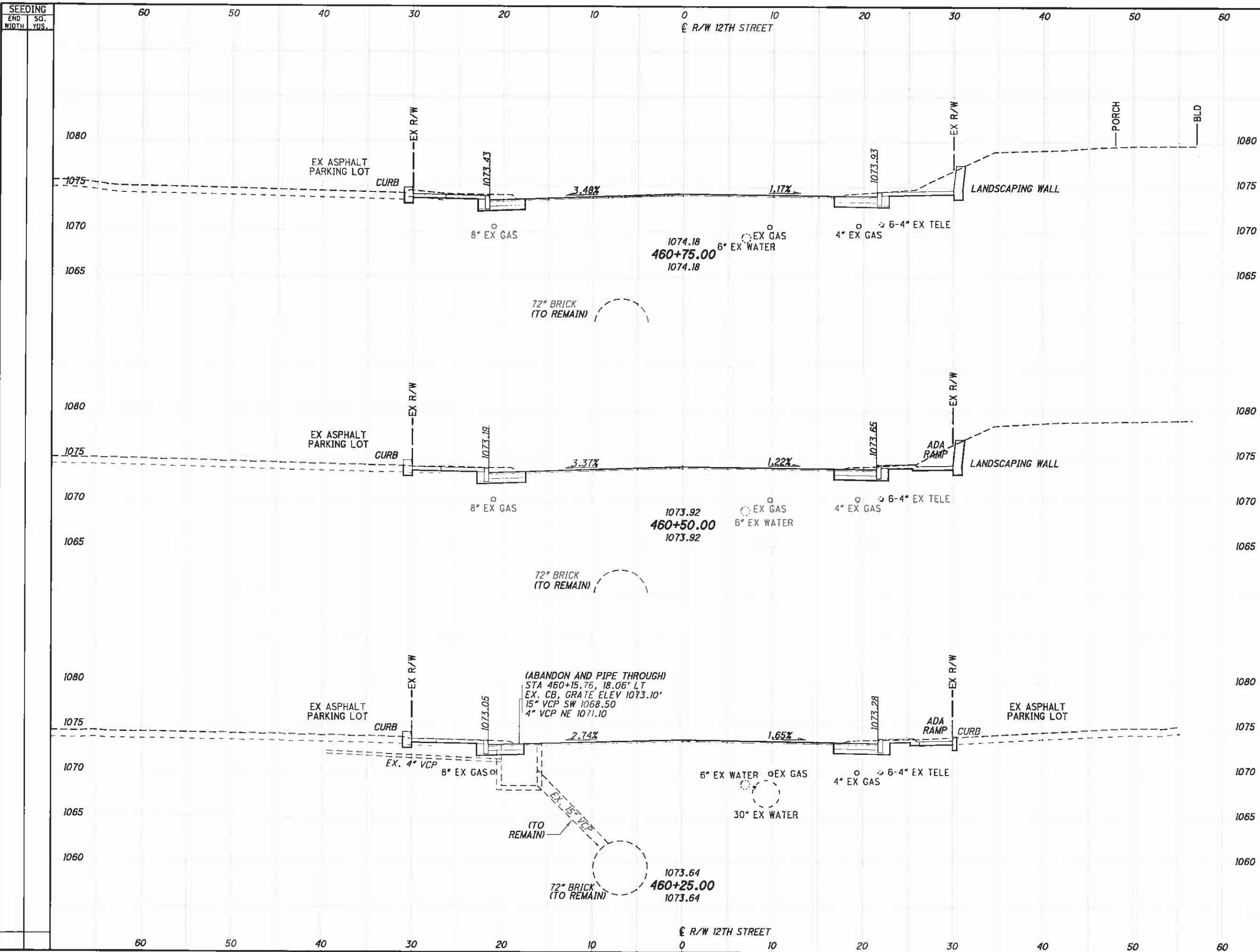


END WIDTH	SEEDING SQ. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

CROSS SECTIONS - 12TH STREET  
STA. 459+75.00 TO STA. 460+00.00

STA-12TH STREET

J:\TSS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:34:15 PM dcbornhart ODOT\B\PDF\_Haif.plt cfg ODOT\B\Pen-ME.tbl M-E Companies, Inc.

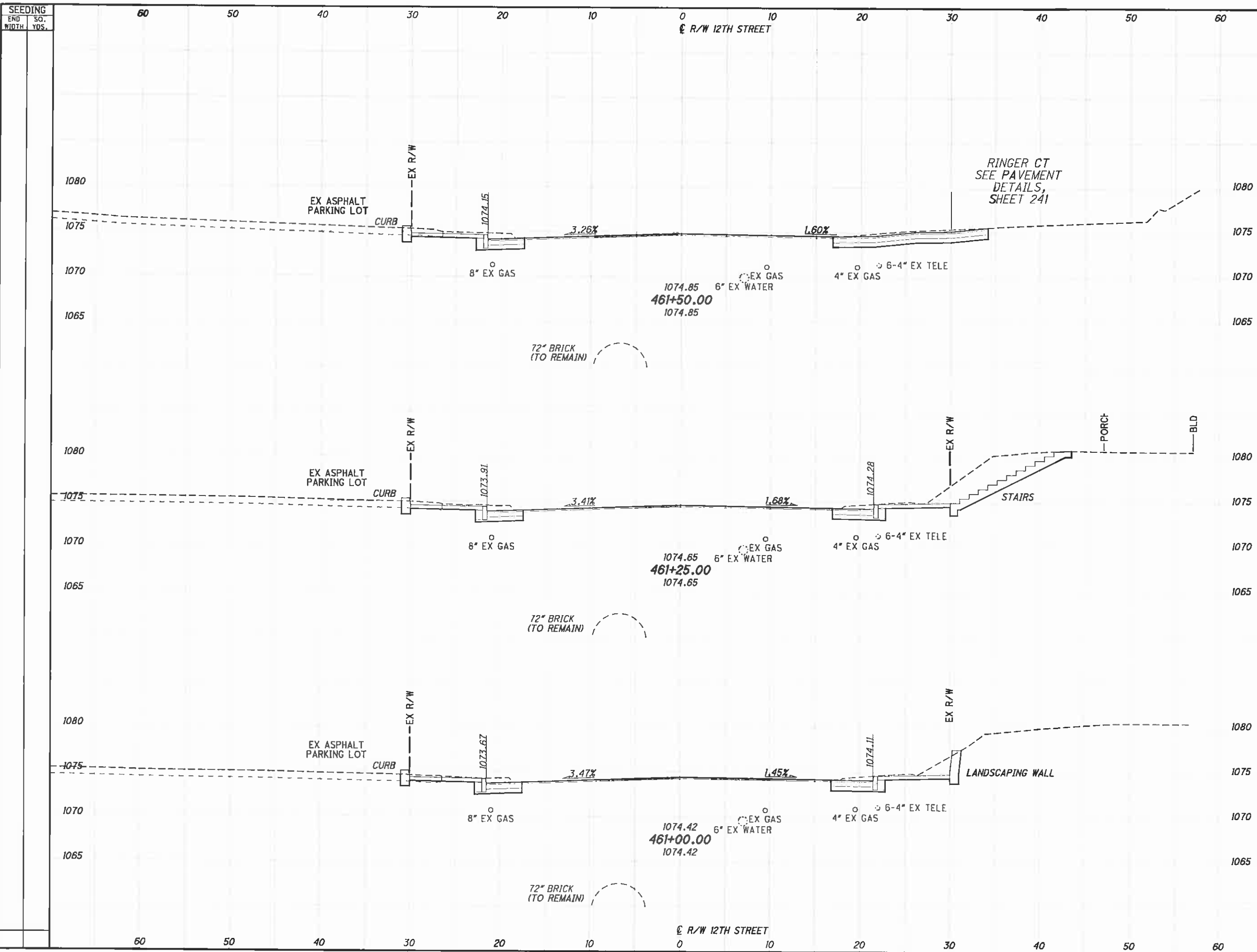


END WIDTH	SEEDING SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

CROSS SECTIONS - 12TH STREET  
STA. 460+25.00 TO STA. 460+75.00

STA-12TH STREET

J:\75\11\11-060 12th Street\STA\85299\roadway\sheels\85299X5001.dgn 10/6/2011 3:34:16 PM dcbarhart ODOT\B\Pen-ME.tbl M-E Companies, Inc.



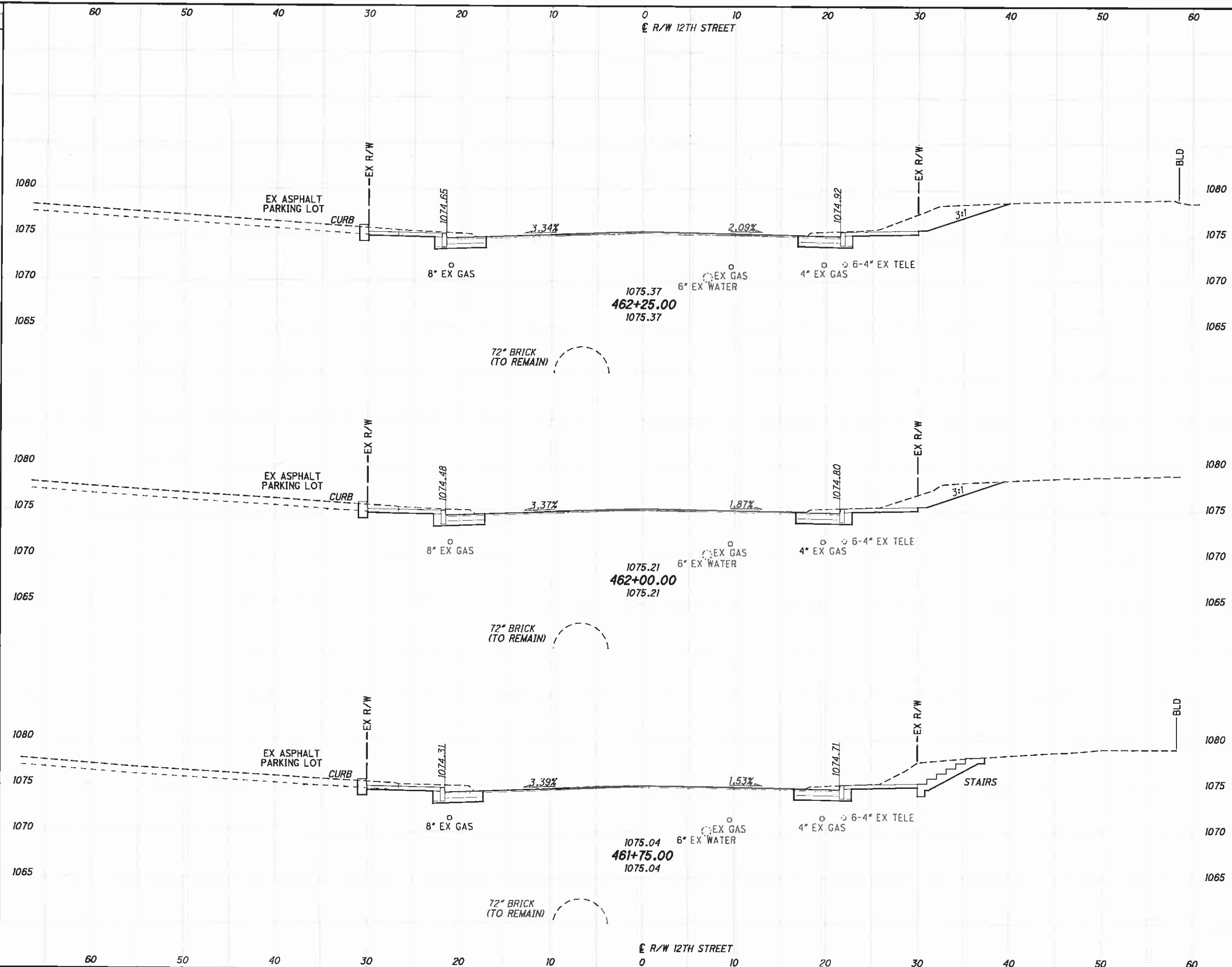
END WIDTH	SEEDING SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

CROSS SECTIONS - 12TH STREET  
STA. 461+00.00 TO STA. 461+50.00

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:34:18 PM dcbarhart ODOTVBI\_PDF\_Half.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING
END WIDTH
SO. YDS.



END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

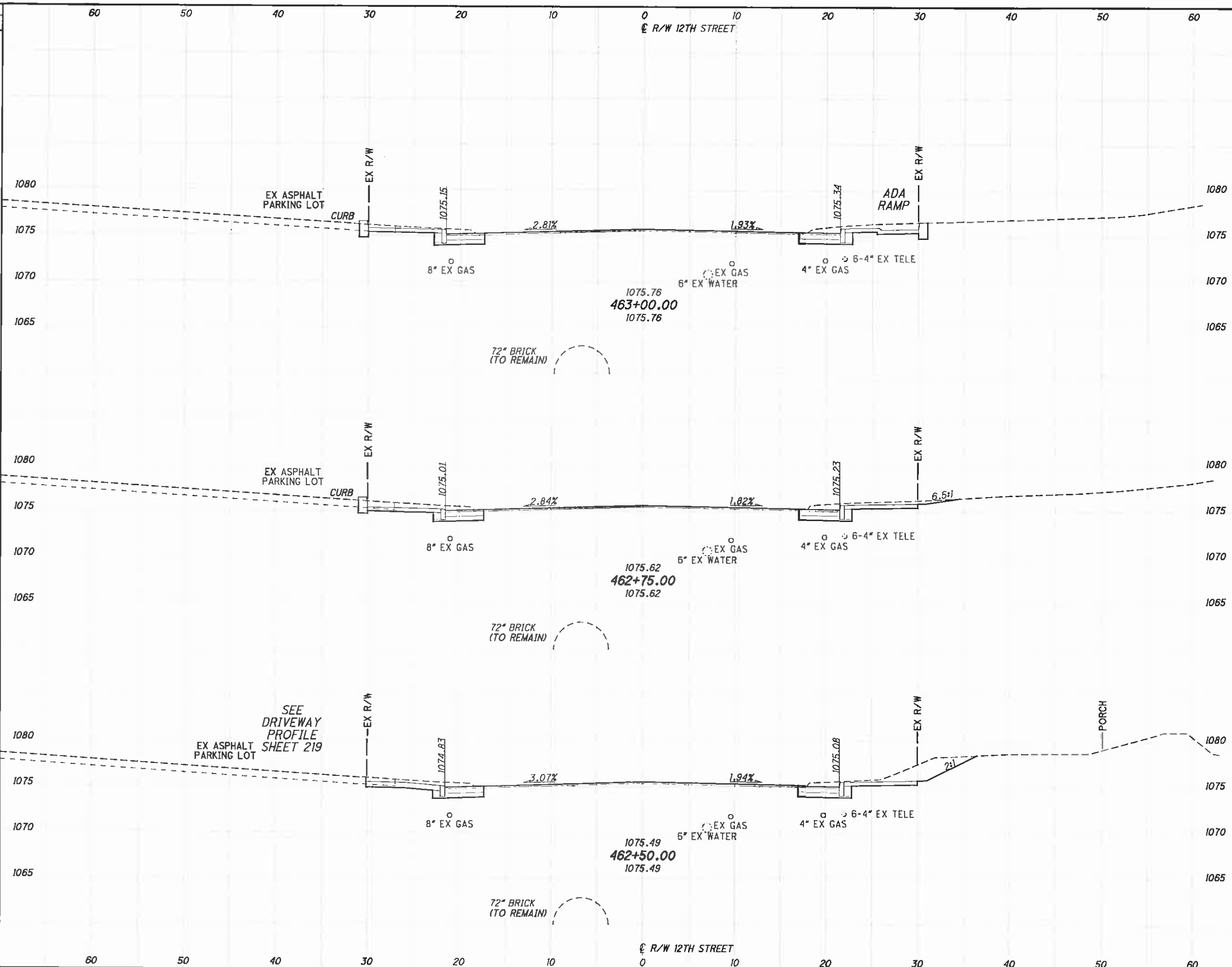
CROSS SECTIONS - 12TH STREET  
STA. 461+75.00 TO STA. 462+25.00

STA-12TH STREET

77  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:34:20 PM dcbarhart ODOTV8i\_PDF\_Half.plt c/g ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.

SEEDING
END SQ. WIDTH YDS.



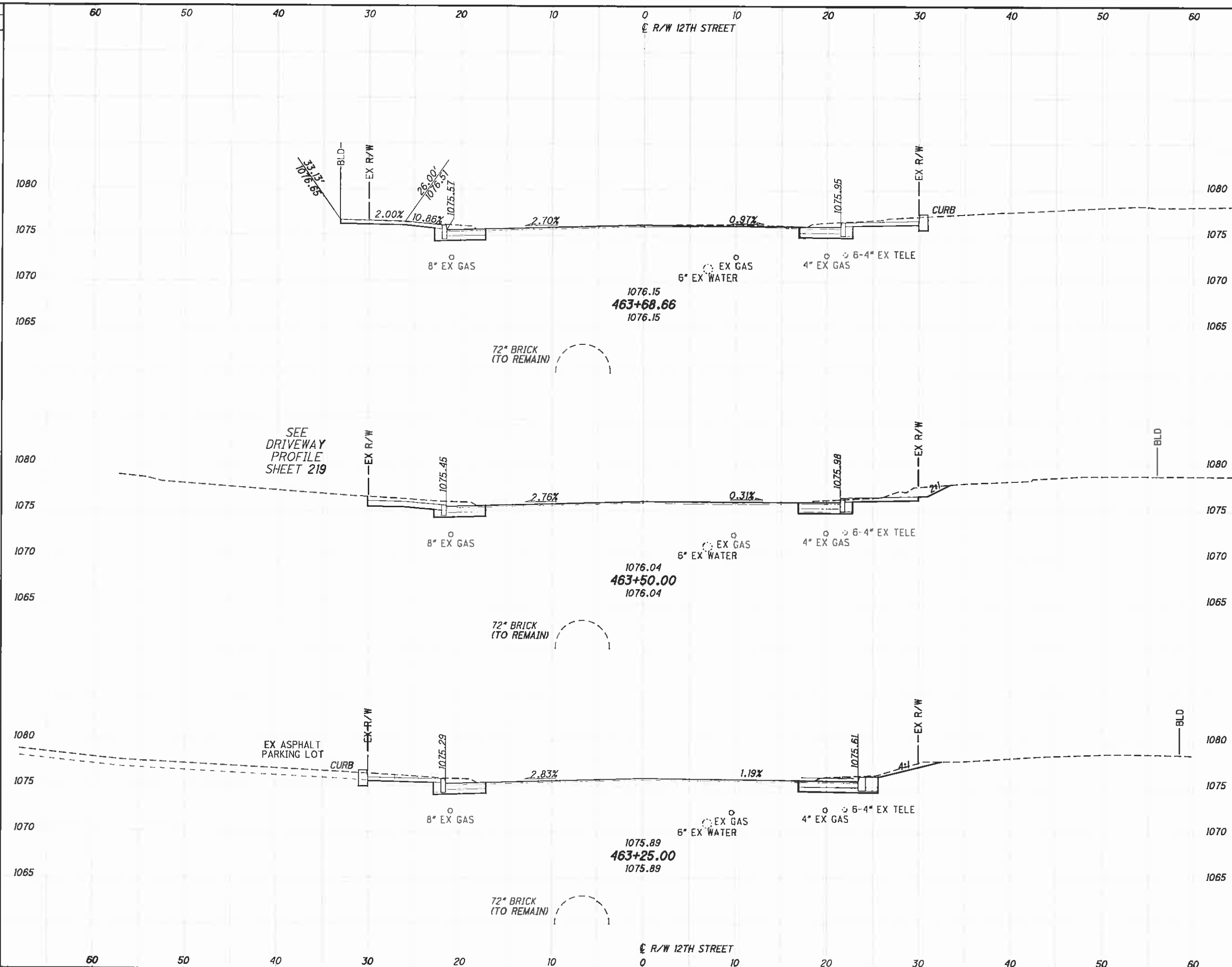
END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 462+50.00 TO STA. 463+00.00

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/16/2011 3:34:22 PM dcbarrhart ODOTV8i\_PDF\_Half\_p1c1g ODOTV8i\_Pen\_ME.tbl M+E Companies, Inc.

SEEDING	
END	SQ.
WIDTH	YDS.

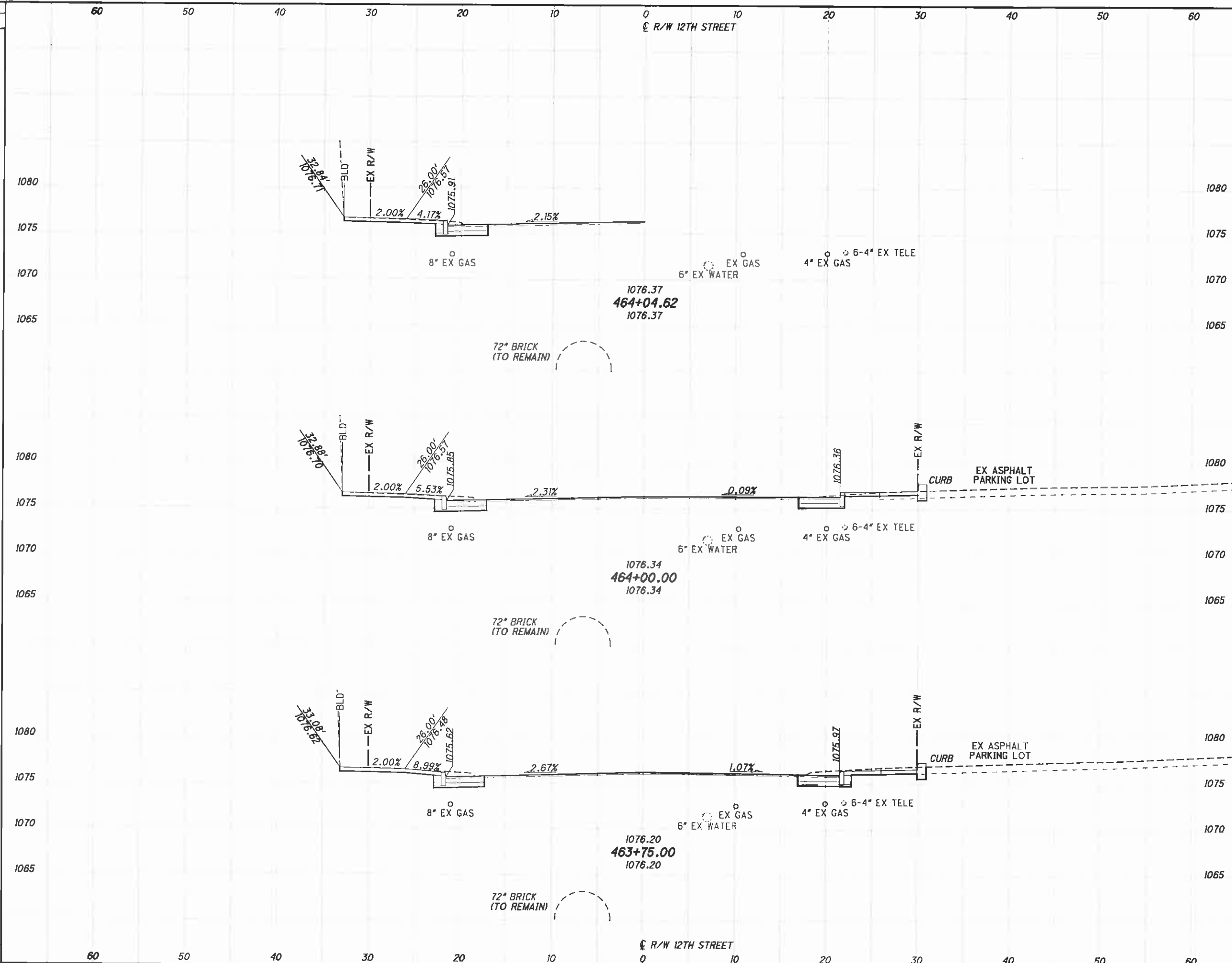


END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 463+25.00 TO STA. 463+68.66

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:34:24 PM dcbarrior\ ODOTV81\_PDF\_Half.plt cfg ODOTV81\_Pan-ME.tbl M-E Companies, Inc.

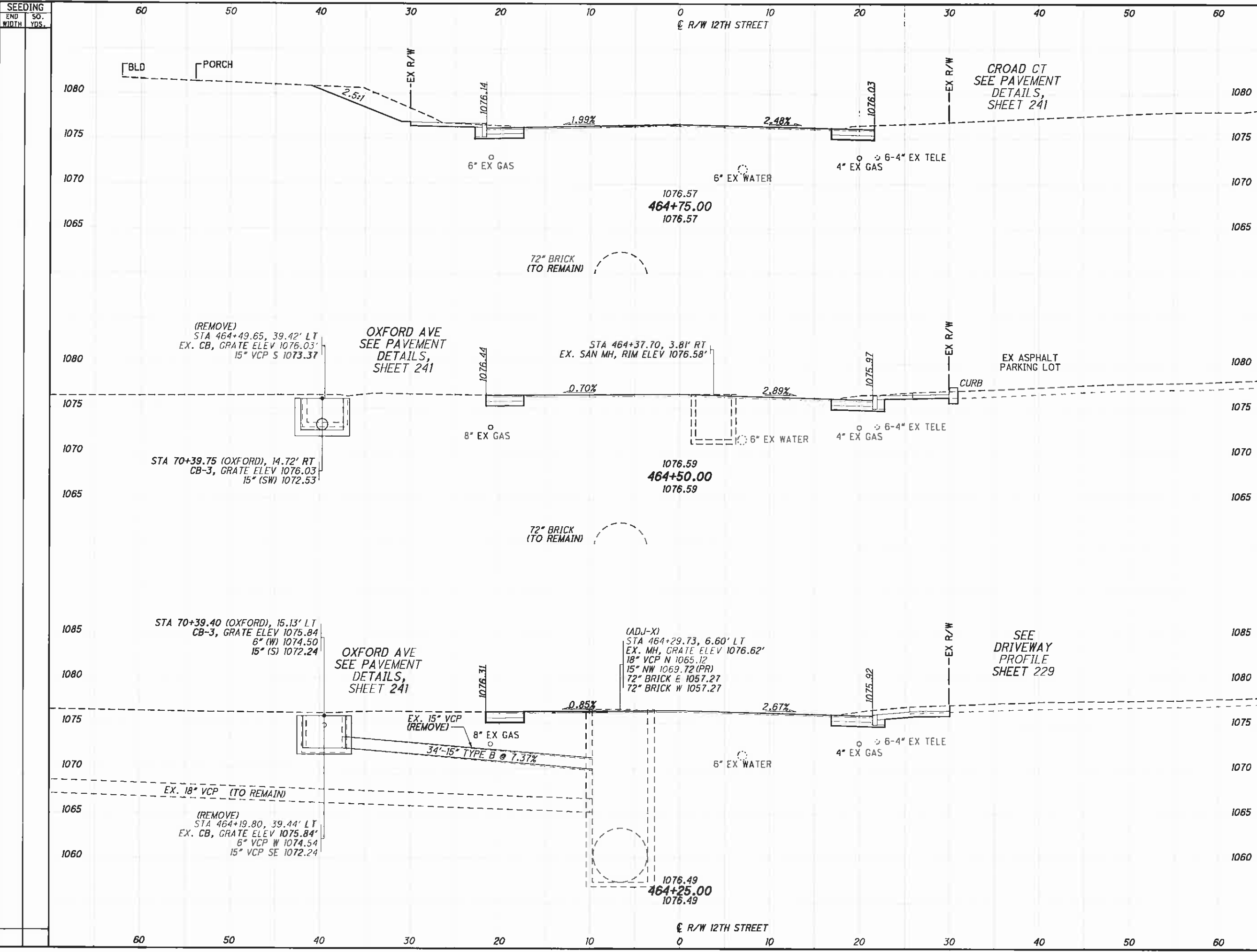


END STA.	AREA		VOLUME	
	CUT	FILL	CUT	FILL
463+75.00				
464+00.00				
464+04.62				

**STA - 12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 463+75.00 TO STA. 464+04.71**



J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:34:25 PM dcbarhart' ODOTVBI\_PDF\_Half.plt cfig ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



END STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
464+25.00				
464+75.00				

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 464+25.00 TO STA. 464+75.00**

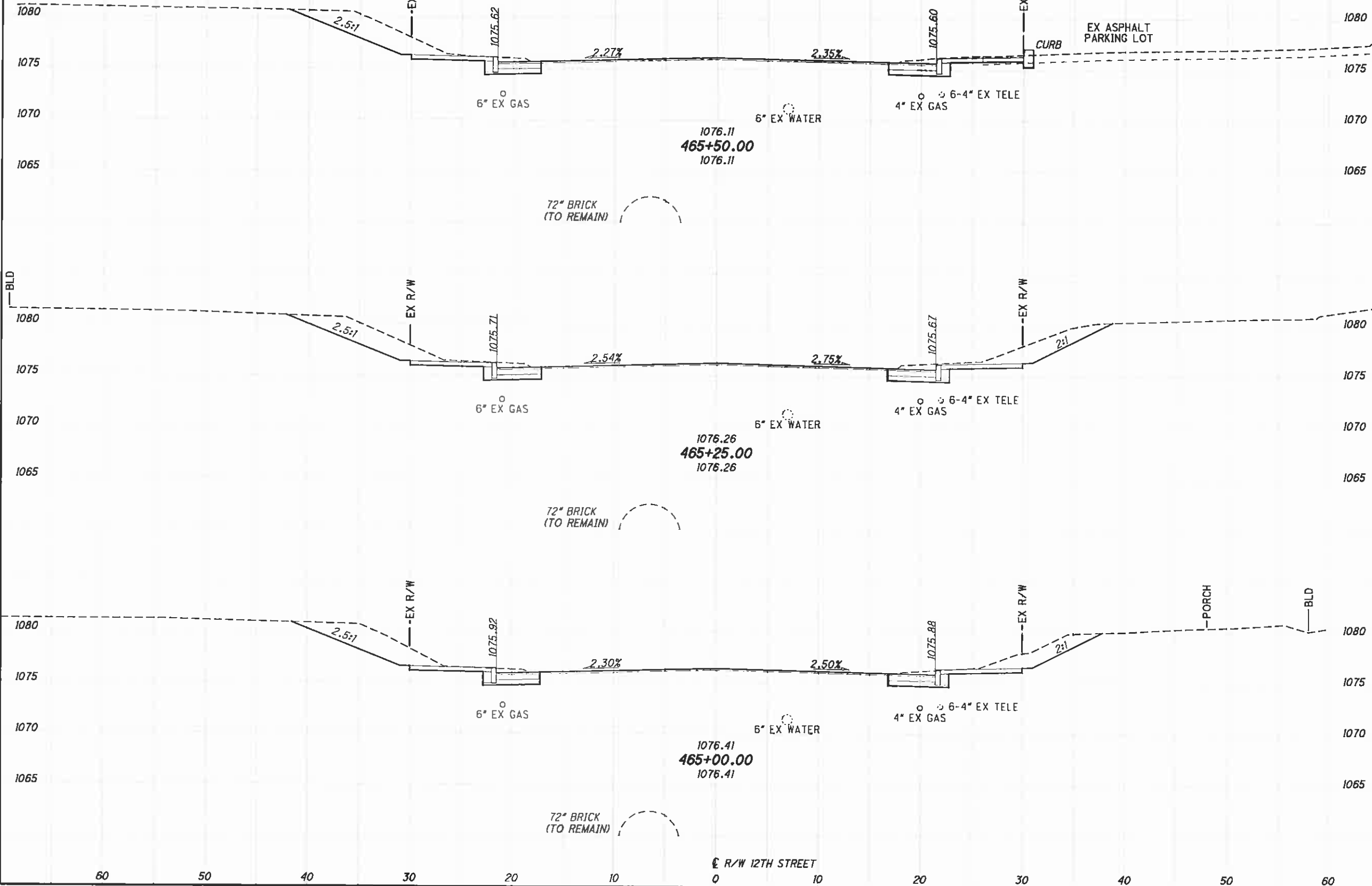
J:\15\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:34:27 PM dcbarhart ODOTVBI\_PDF\_Half.plt ODOTVBI\_Pen\_ME.tbl M-E Companies, Inc.

SEEDING
END WIDTH
SQ. YDS.

60 50 40 30 20 10 0 10 20 30 40 50 60

0 R/W 12TH STREET

END AREA	VOLUME
CUT	FILL
CUT	FILL
CALCULATED	CHECKED

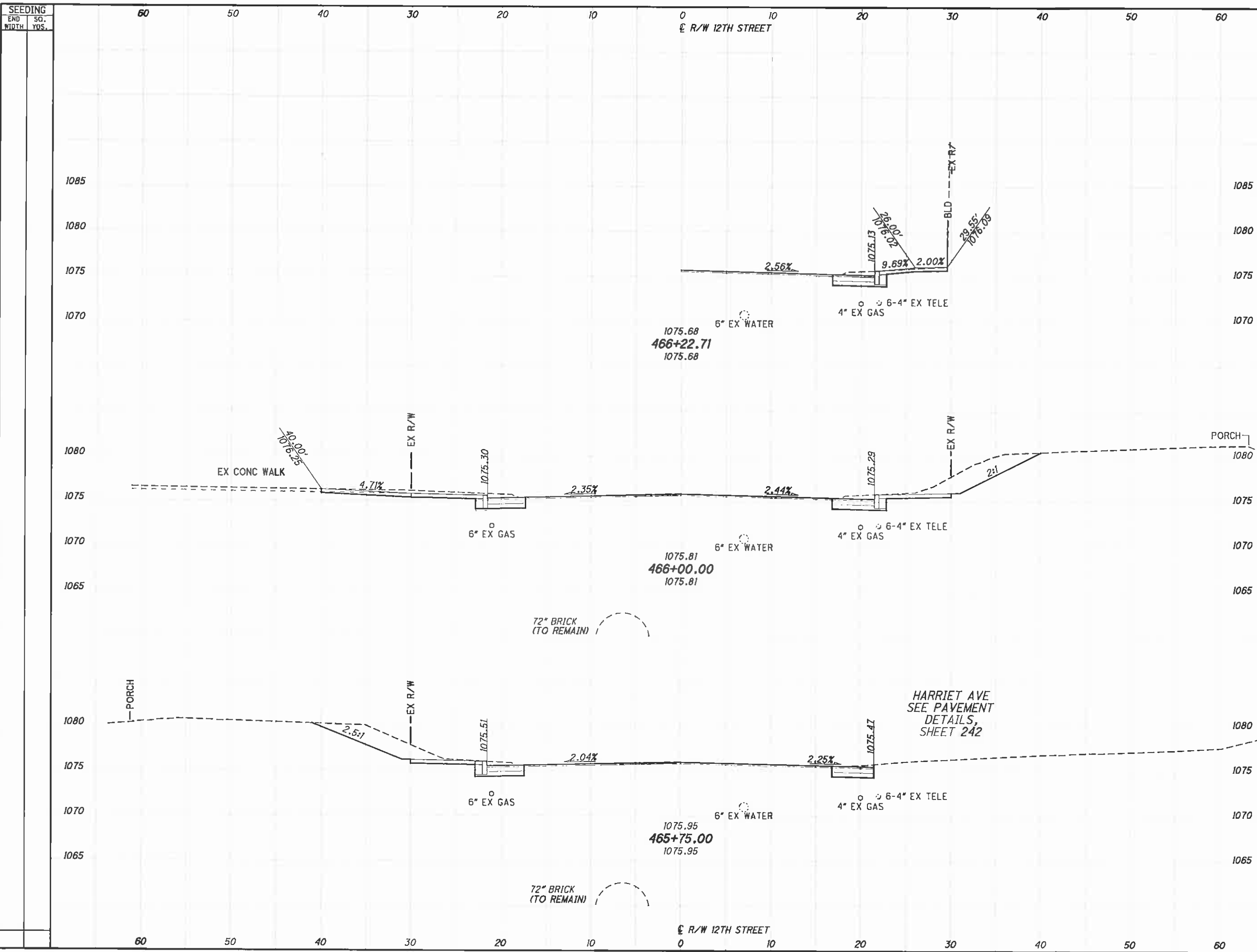


CROSS SECTIONS - 12TH STREET  
STA. 465+00.00 TO STA. 465+50.00

STA-12TH STREET

82  
317

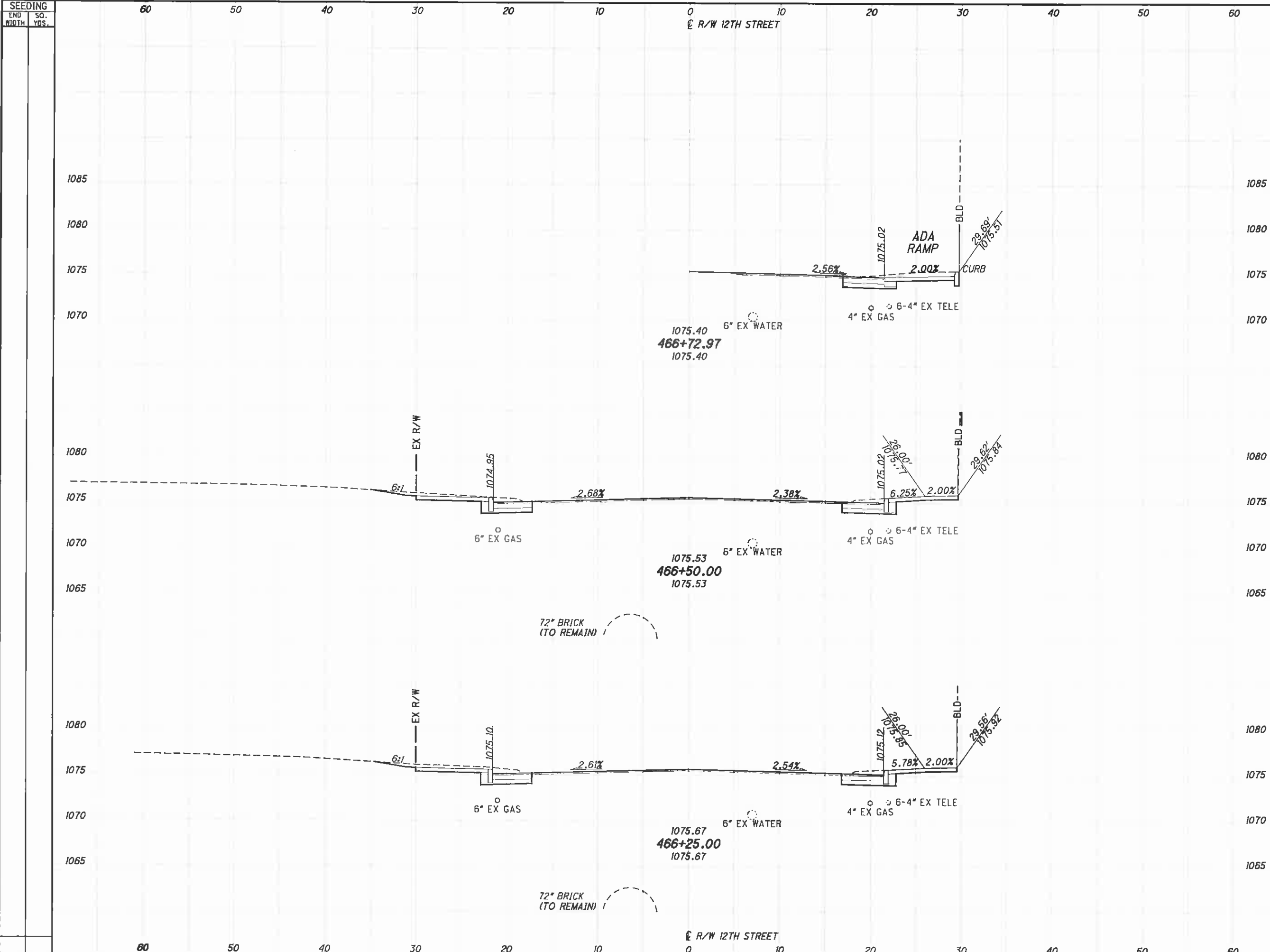
J:\15\11\11-060 12th Street\STA\B5299\roadway\sheet\85299XS001.dgn 10/6/2011 3:34:29 PM dcbarhart ODOTV6i\_PDF\_Half.plt cfg ODOTV6i\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
465+75.00						
466+22.71						

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 465+75.00 TO STA. 466+22.71**

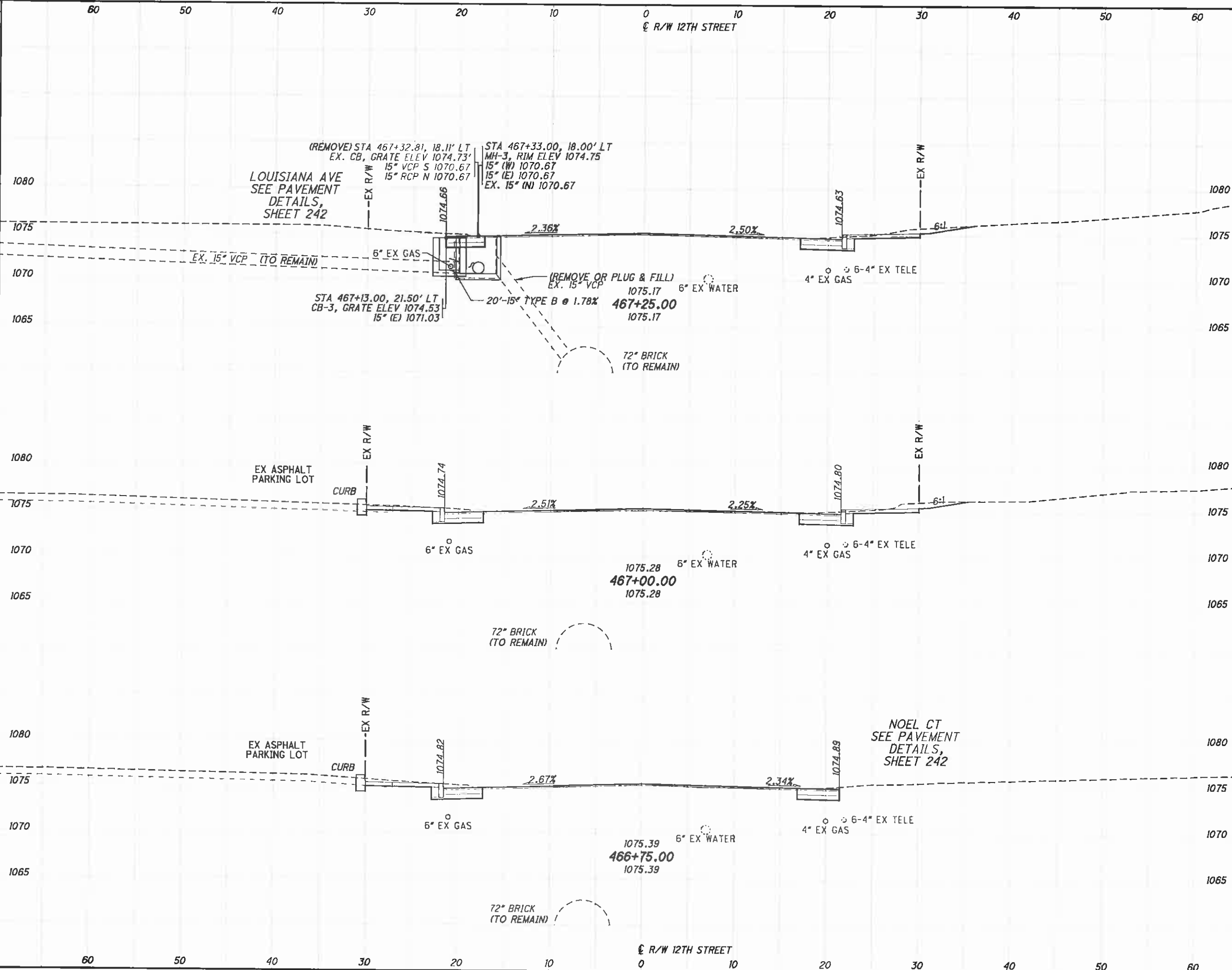
J:\T\11\11-060 12th Street\STA\85299\Roadway\Sheets\85299X5001.dgn 10/6/2011 3:34:31 PM dcbarhart ODOT\Bi\_PDF\_Half\p1c\fg ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
END WIDTH				
SO. YDS.				

CALCULATED  
 CHECKED  
**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 466+25.00 TO STA. 466+72.97**

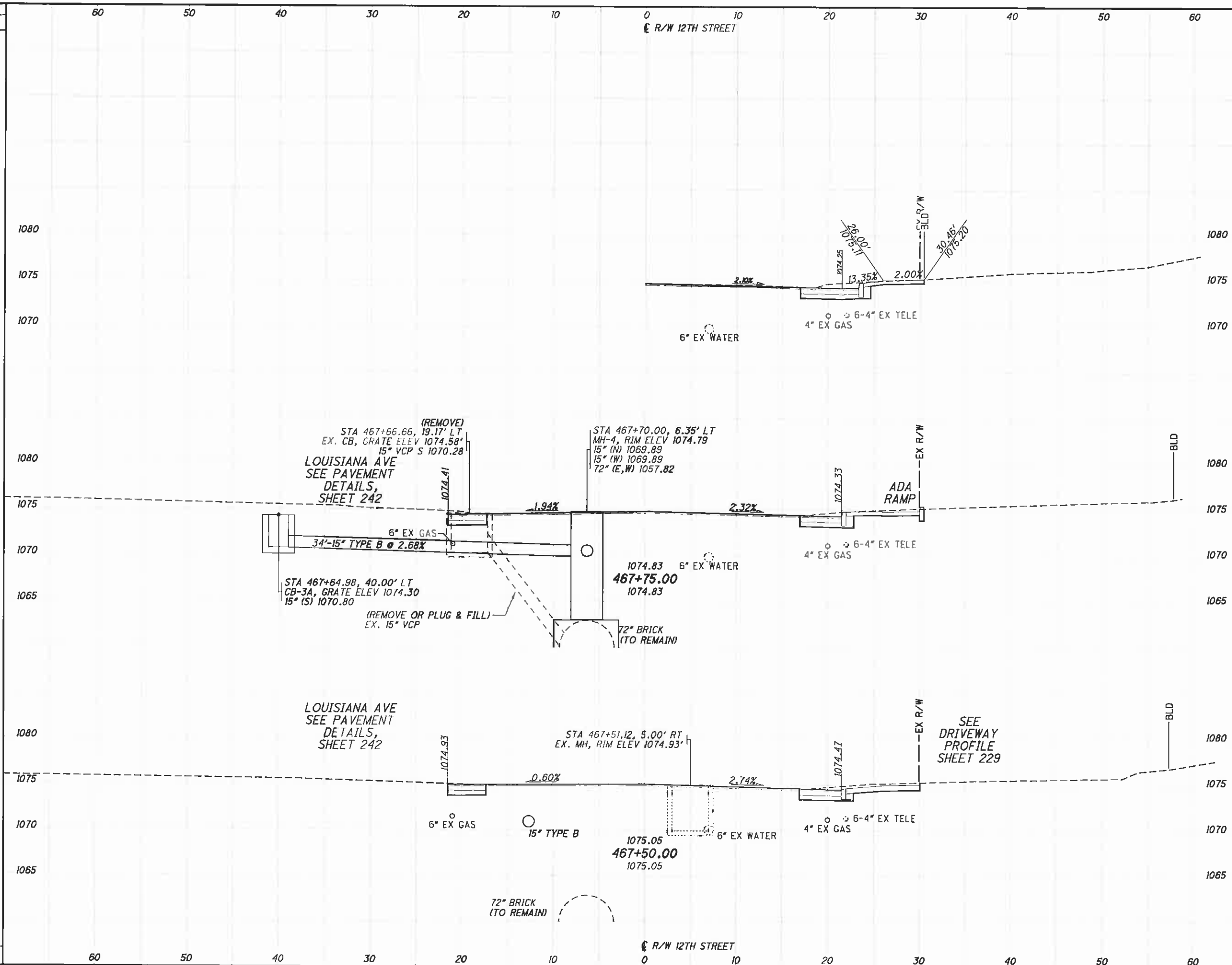
J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299KS001.dgn 10/6/2011 3:34:33 PM dcbarhart ODOT\Bi\_PDF\_Half.plt cfbg ODOT\Bi\_PDF\_M-E Companies, Inc.



END WIDTH	SEEDING SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

**CROSS SECTIONS - 12TH STREET**  
**STA. 466+75.00 TO STA. 467+25.00**  
**85**  
**317**

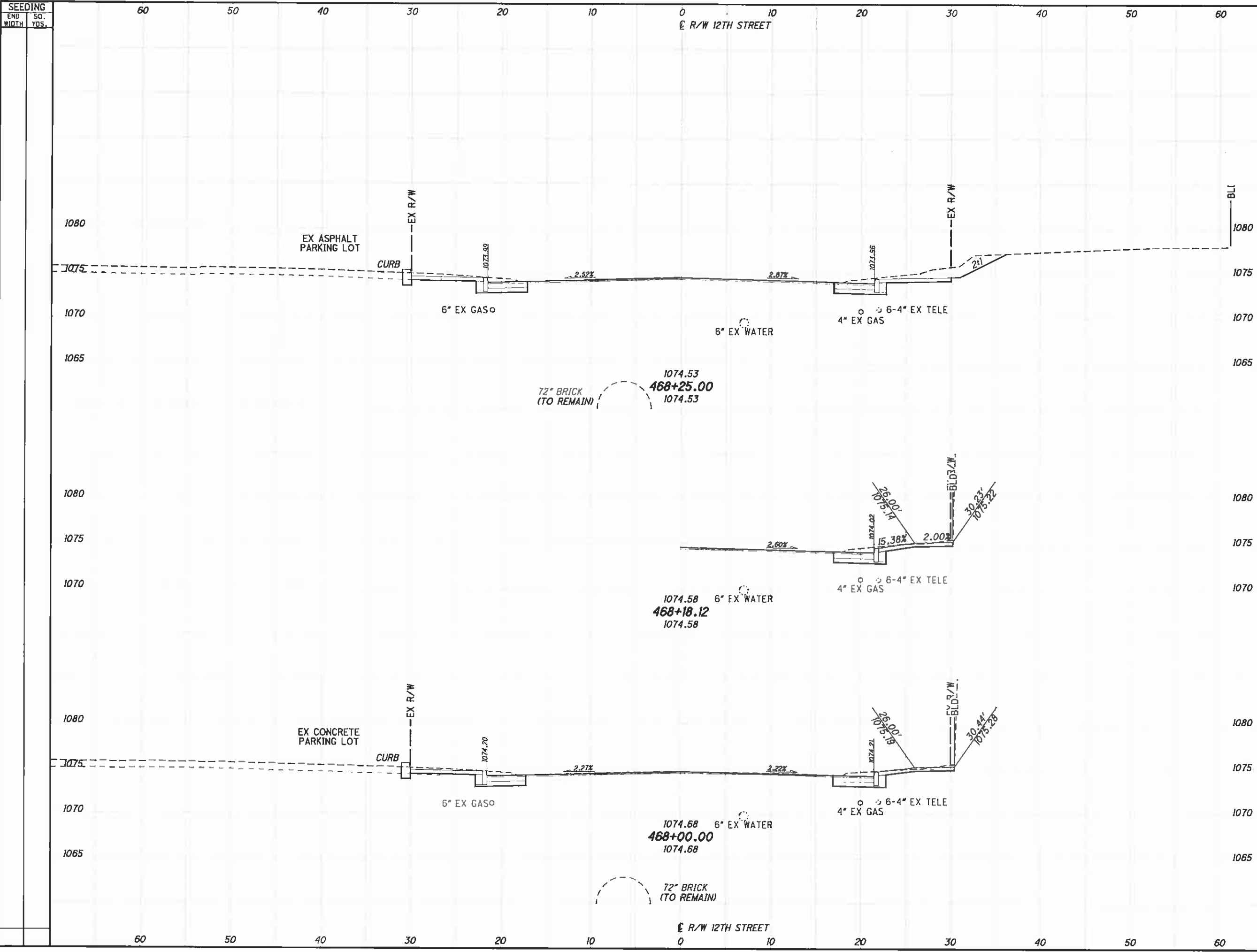
J:\TS\1111-060 12th Street\STA\B5299\Roadway\Sheets\B5299X5001.dgn 10/6/2011 3:34:34 PM dcbarnhart ODOTVBI\_PDF\_Half.plt cfg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



END WIDTH	SEEDING SQ. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 467+50.00 TO STA. 467+97.71**

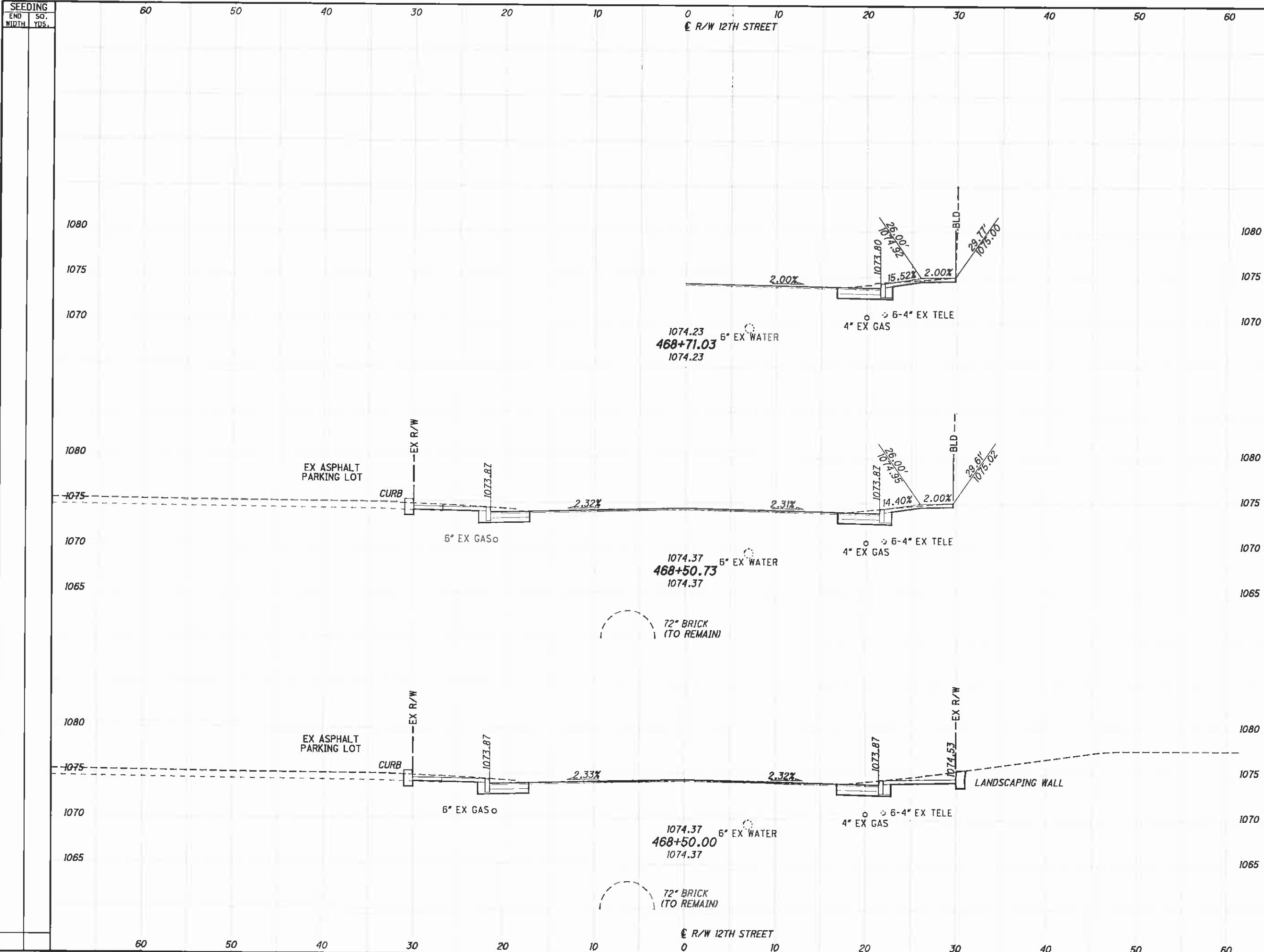
J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:34:36 PM dbarnhart ODOT\81\_PDF\_Half\_pitcig ODOT\81\_Pen-ME.tbl M-E Companies, Inc.



END WIDTH	SEEDING SQ. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 468+00.00 TO STA. 468+25.00**

J:\TSS\11-060 12th Street\STA\B5299\roadway\sheets\B5299XS001.dgn 10/6/2011 3:34:38 PM dcbarhart ODOTV81\_PDF...Haif.pltcf ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



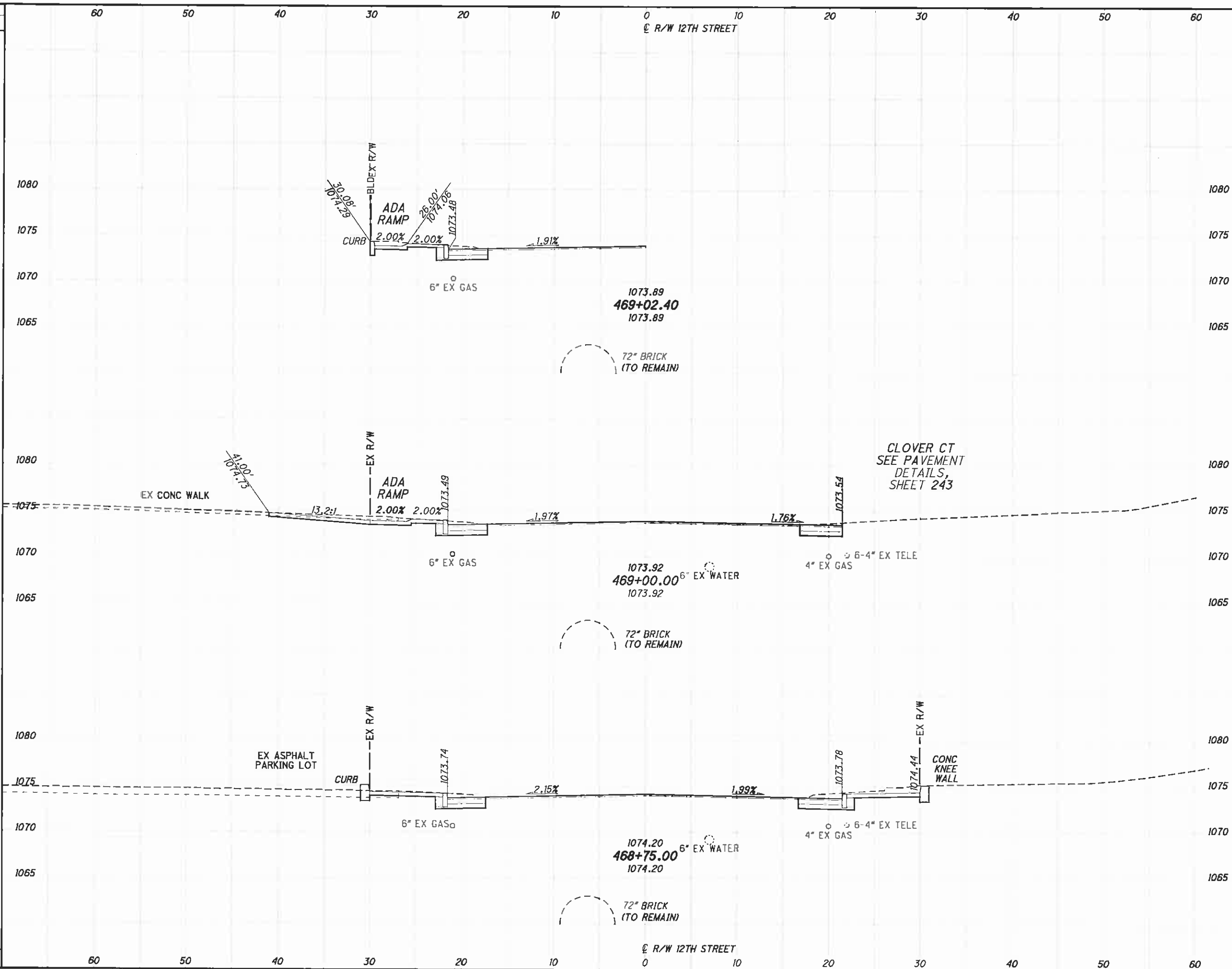
END WIDTH	SEEDING		END AREA		VOLUME	
	SO. YDS.		CUT	FILL	CUT	FILL
60						
50						
40						
30						
20						
10						
0						
10						
20						
30						
40						
50						
60						

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 468+50.00 TO STA. 468+71.03**



J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:34:40 PM dcbarhart" ODOT\Bj\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

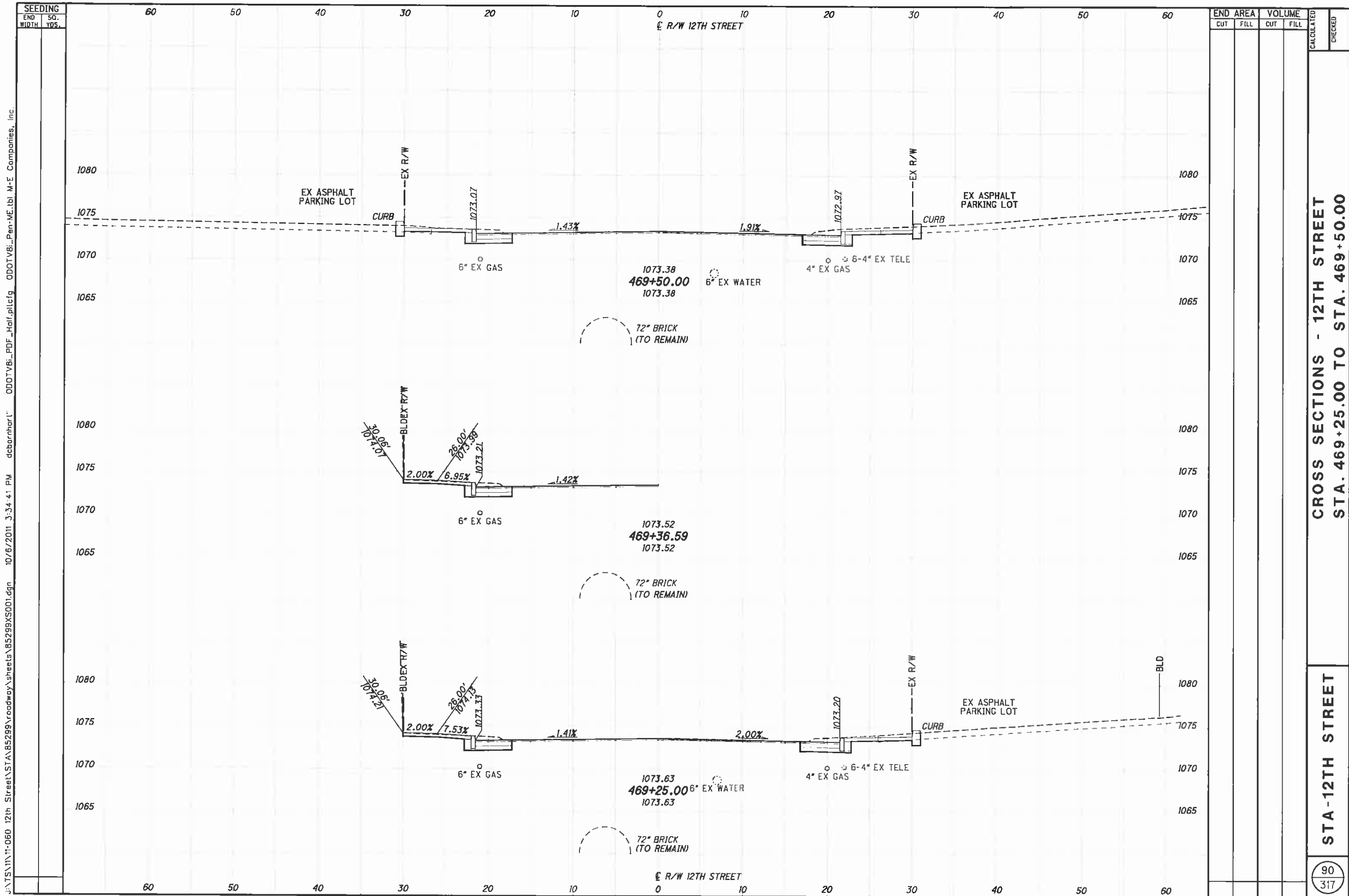


END AREA	VOLUME	CALCULATED	CHECKED				
				CUT	FILL	CUT	FILL

**CROSS SECTIONS - 12TH STREET**  
**STA. 468+75.00 TO STA. 469+02.40**

**STA-12TH STREET**

89  
317



J:\TSS\11-060-12th Street\STA\B5299\roadway\sheets\B5299X5001.dgn 10/6/2011 3:34:41 PM dcbornherl ODOTVBi\_PDF\_Half.plt.cfb ODOTVBi\_Pen-ME.tbl M-E Companies, Inc.

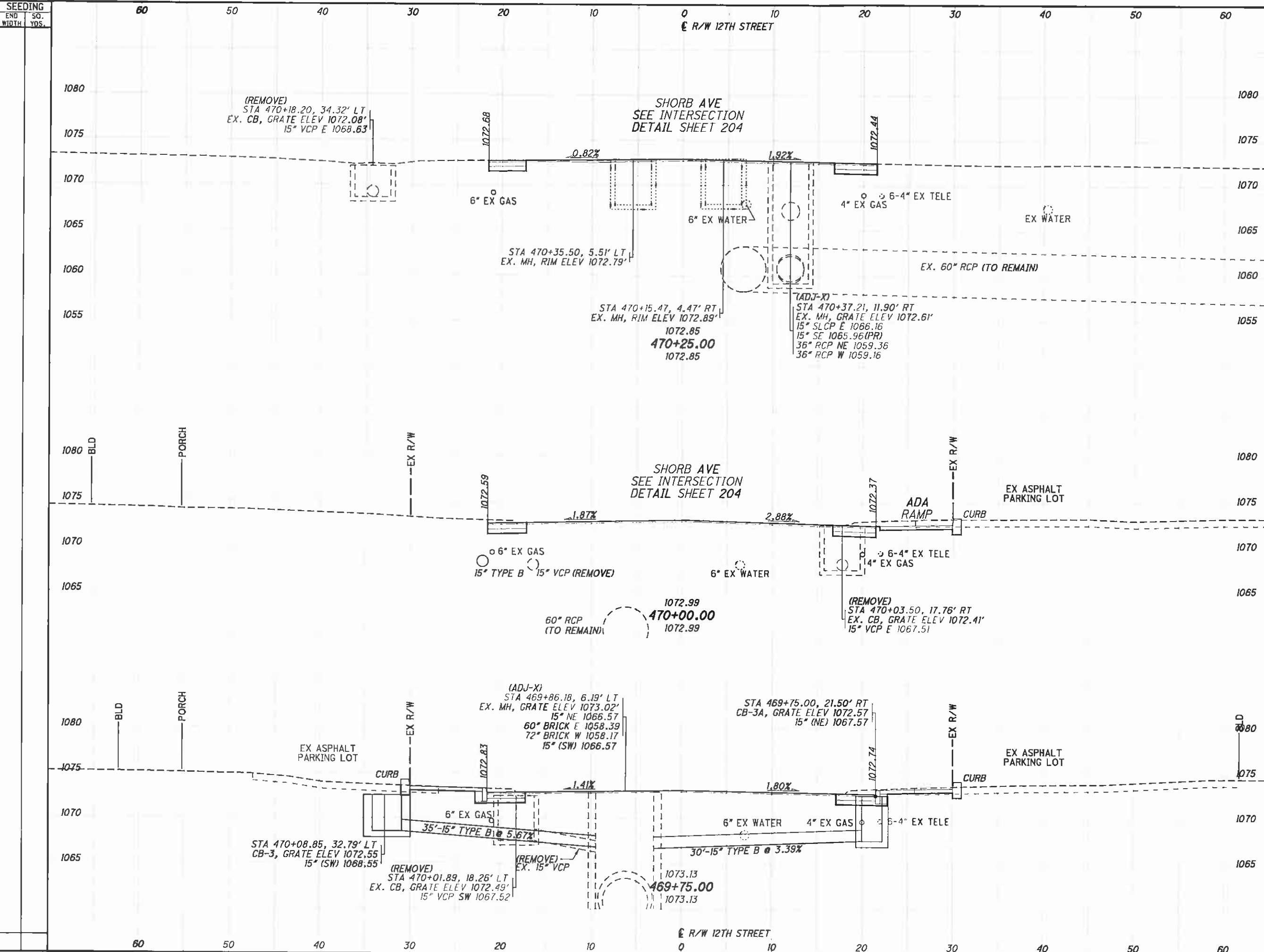
SEEDING	END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
			CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
 STA. 469+25.00 TO STA. 469+50.00

STA-12TH STREET

90  
317

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:34:43 PM dcbarrhart OD0TV81\_PDF\_Half.plt cfb OD0TV81\_Pen-ME.tbl M-E Companies, Inc.



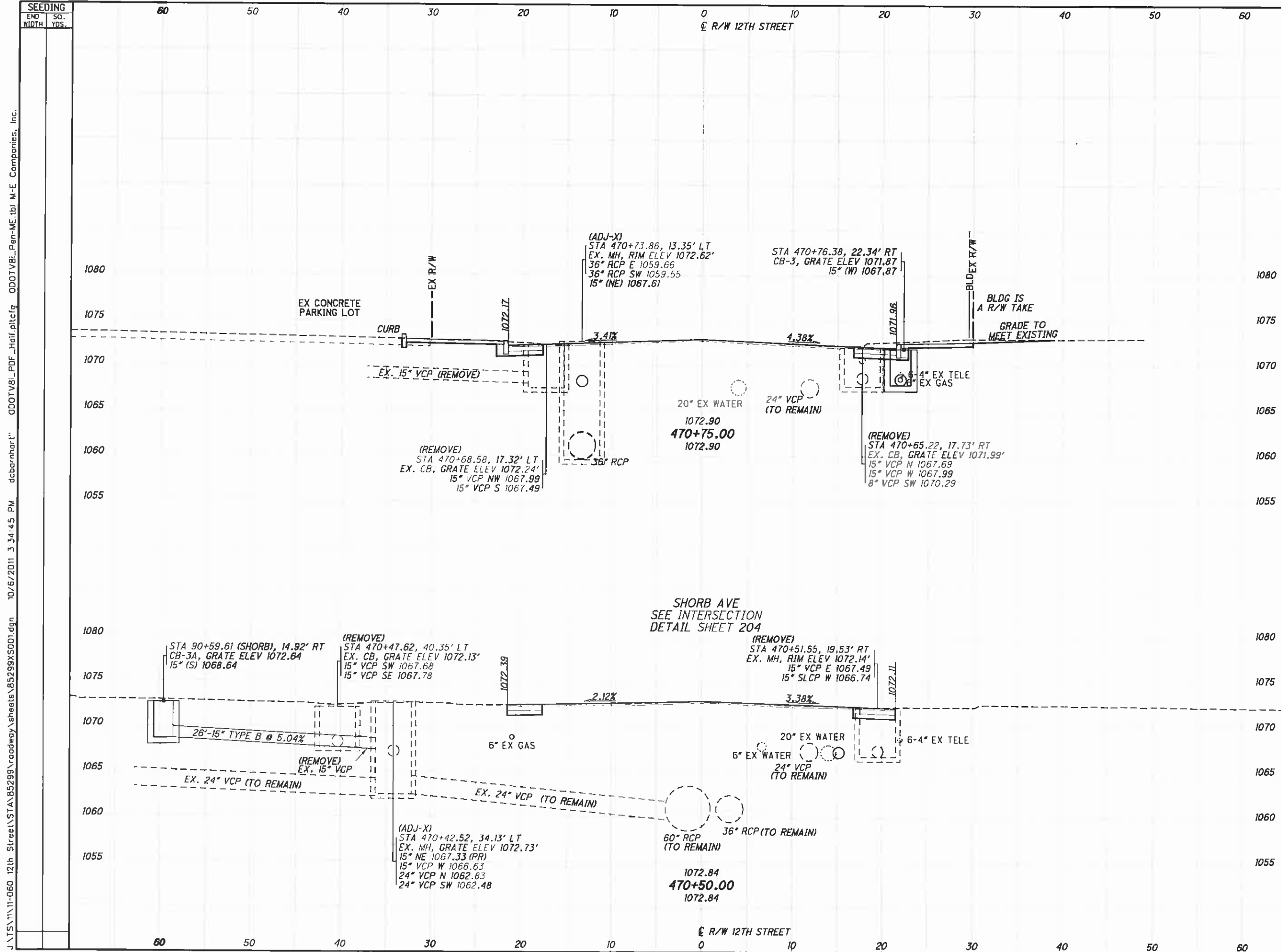
END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
470+25.00						
470+75.00						

CROSS SECTIONS - 12TH STREET  
 STA. 469+75.00 TO STA. 470+25.00  
 STA-12TH STREET  
 91  
 317

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
------------	---------

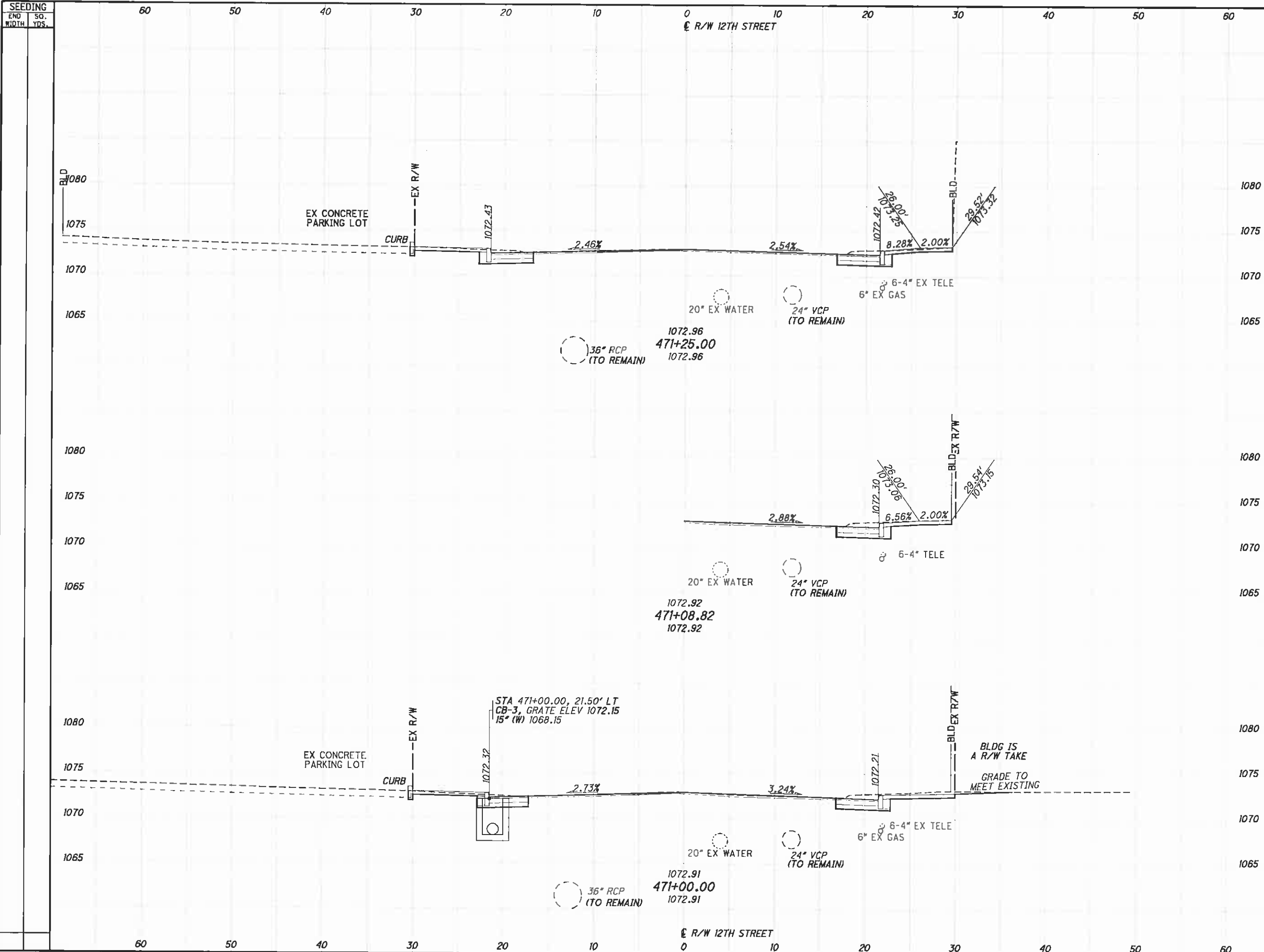


CROSS SECTIONS - 12TH STREET  
 STA. 470+50.00 TO STA. 470+75.00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299X5001.dgn 10/6/2011 3:34:45 PM dcbarhart\ QDOTVBI\_PDF\_Half.plt cfg QDOTVBI\_Pen-ME.tbl M-E Companies, Inc.

J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:34:47 PM dcbarhart ODOT\B\PDF\_Half.plt c:\g\DOT\B\Pen-ME.lbt M-E Companies, Inc.

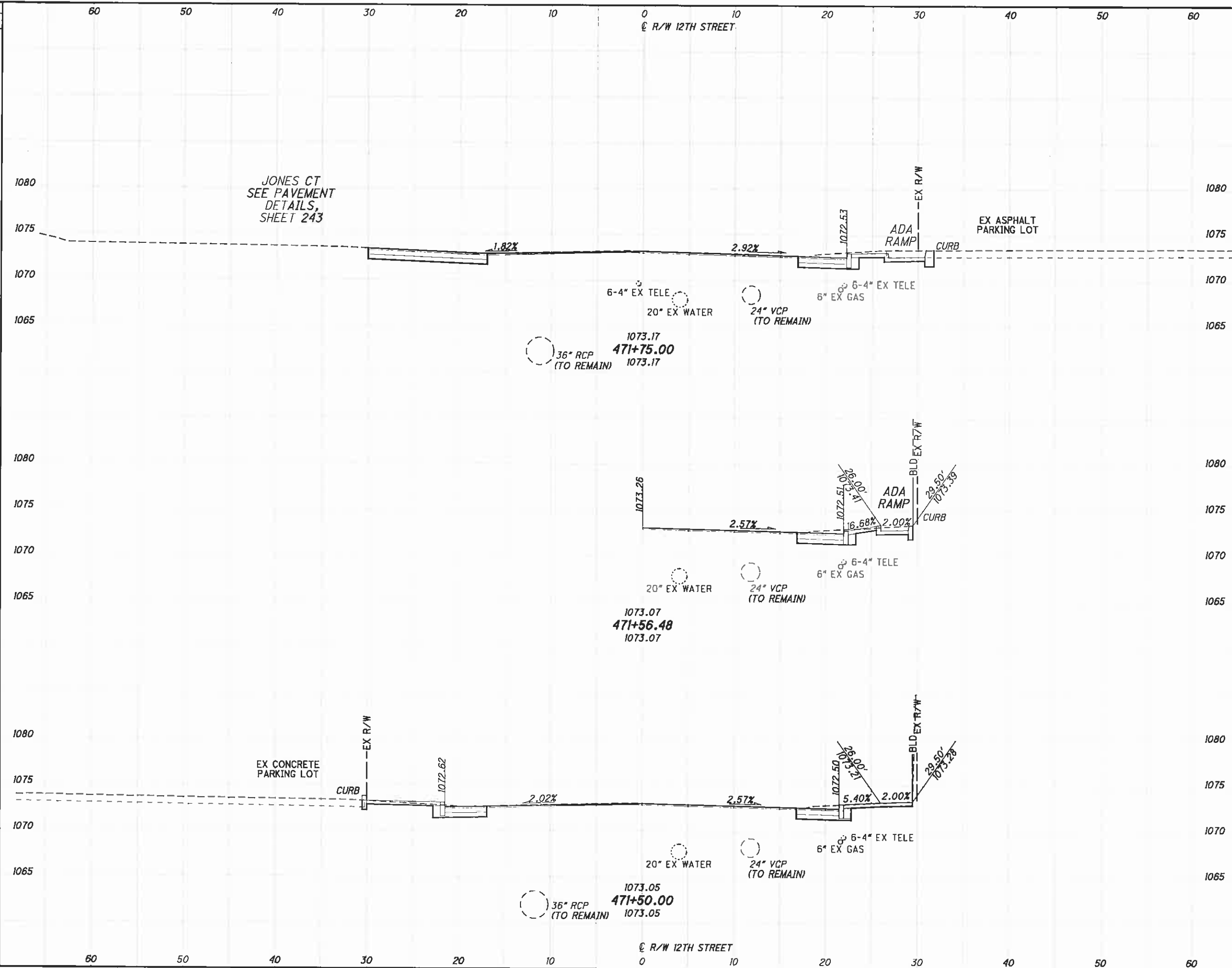


END WIDTH	SEEDING SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 471+00.00 TO STA. 471+25.00**  
 93  
 317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:34:49 PM dcbarhart ODOT\BI\_PDF\_Half.plt cfg ODOT\BI\_Pan-ME.tbl M-E Companies, Inc.

SEEDING  
END SO.  
WIDTH YDS.

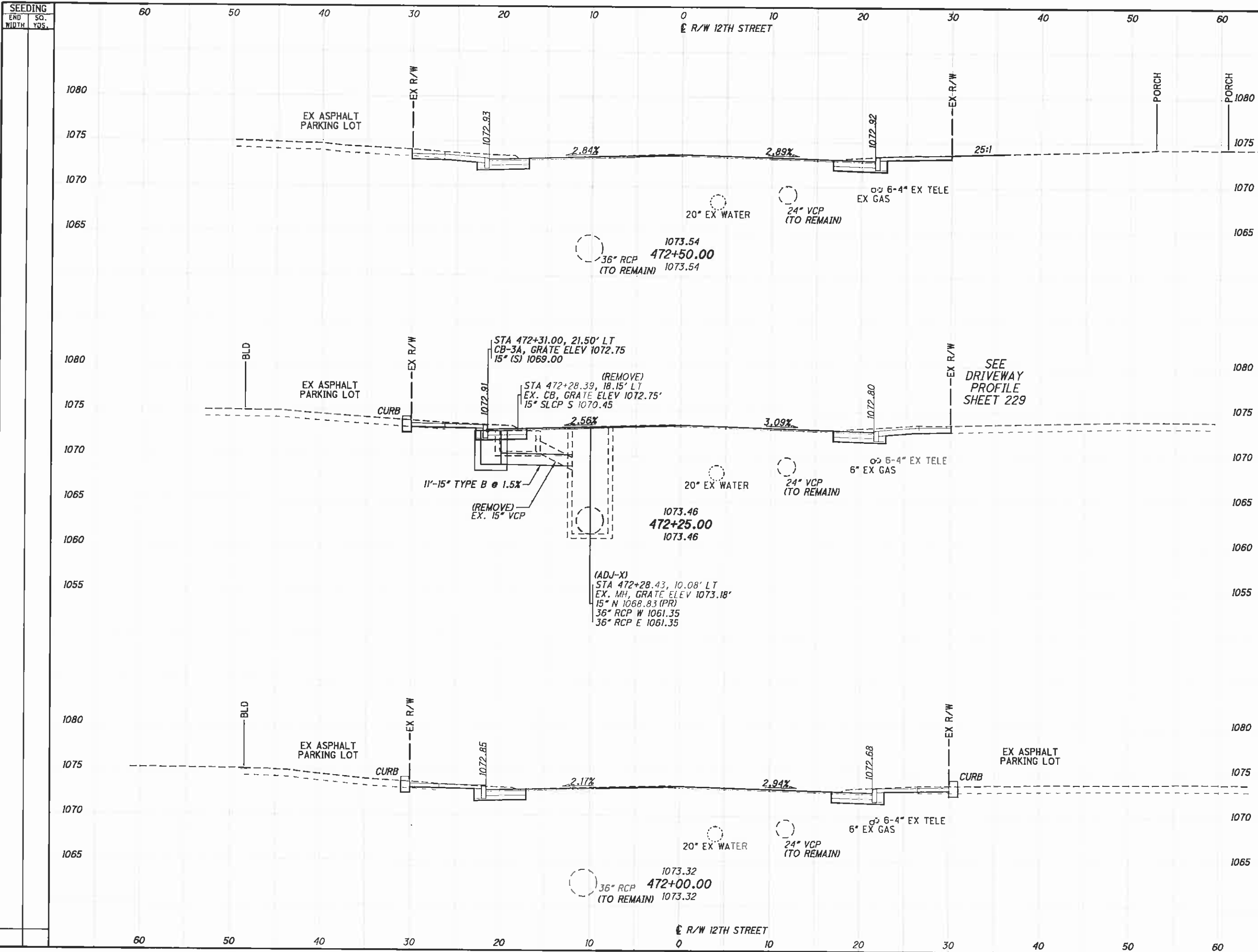


END STA.	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 471+50.00 TO STA. 471+75.00

STA - 12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:34 51 PM dcbarhar ODOTVBI\_PDF\_Half\_pitcig ODOTVBI\_Pen\_ME.tbl M-E Companies, Inc.



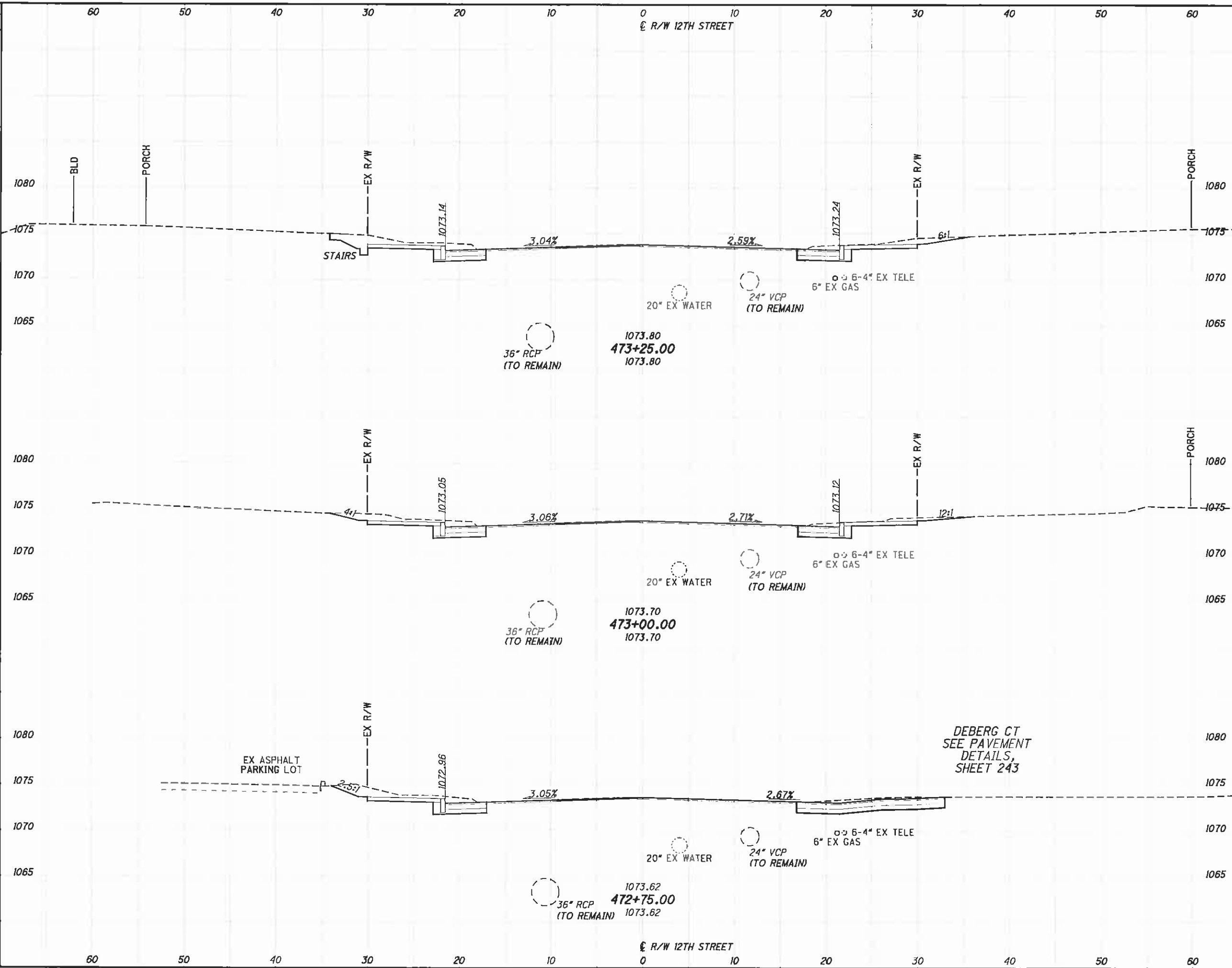
END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 472+00.00 TO STA. 472+50.00

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:34:52 PM dcbarhart ODOT\B\Pen-ME.tbi M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

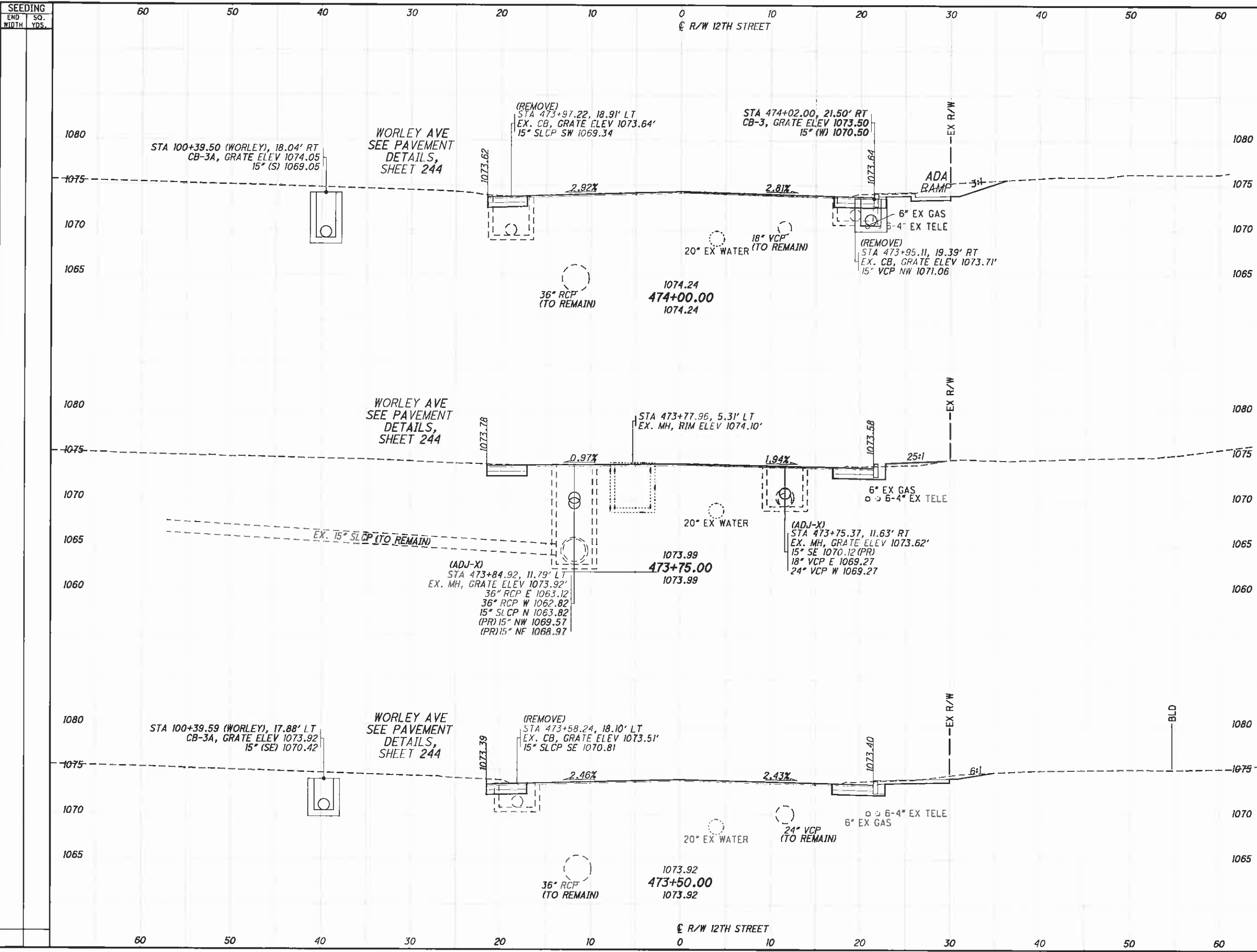


END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED  
 CHECKED  
**CROSS SECTIONS - 12TH STREET**  
**STA. 472+75.00 TO STA. 473+25.00**  
**96**  
**317**



J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:34:54 PM dcbarhart\ ODOTVBI\_PDF\_Hair.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

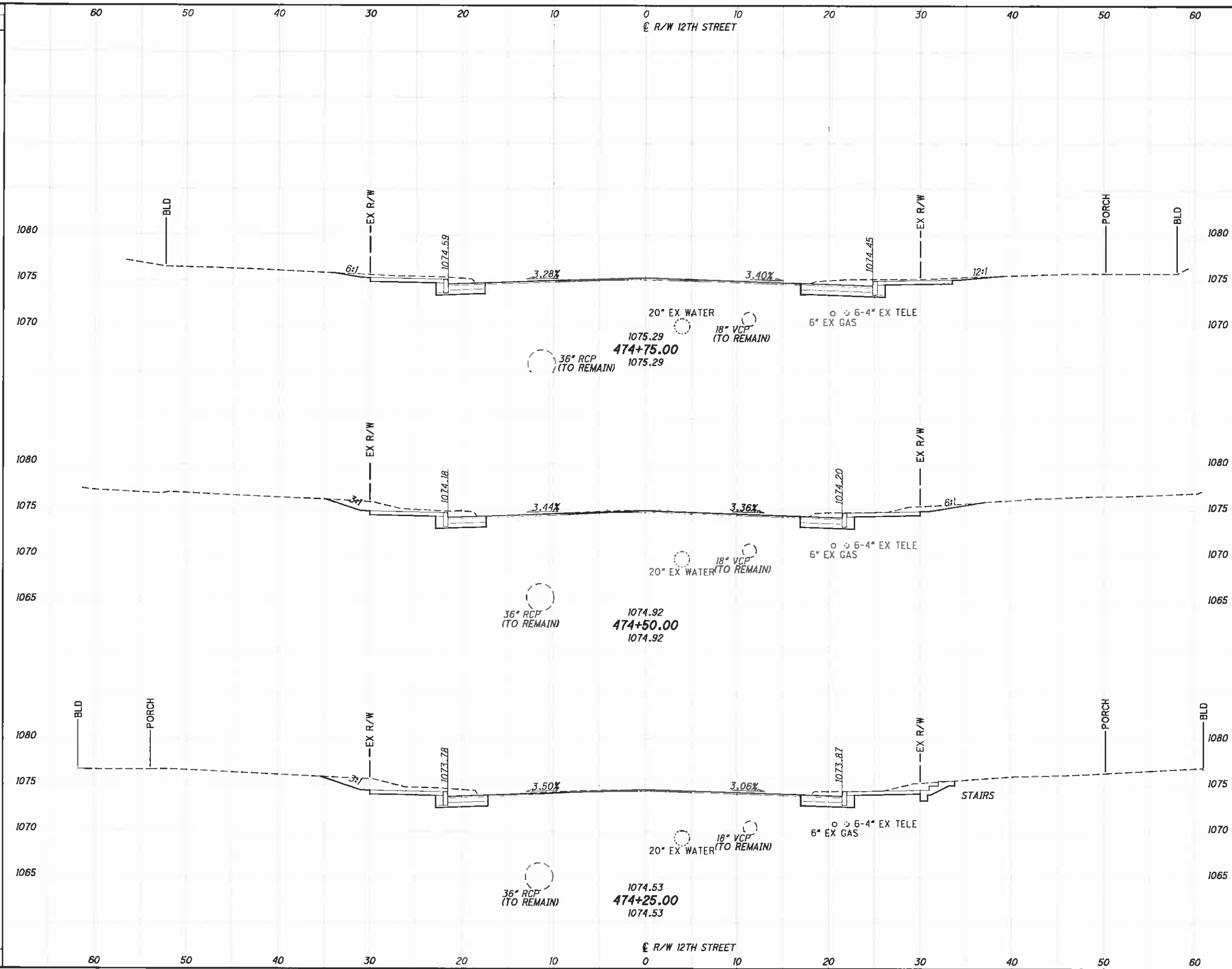


END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL

**CROSS SECTIONS - 12TH STREET**  
**STA. 473+50.00 TO STA. 474+00.00**  
**97**  
**317**

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299X5001.dgn 10/6/2011 3:34:56 PM dcbarhart ODOTV8i\_PDF\_Half.plt eg ODOTV8i\_Pen-ME.tbl M-E Companies, Inc

SEEDING	END	SO.
END	WIDTH	YDS.

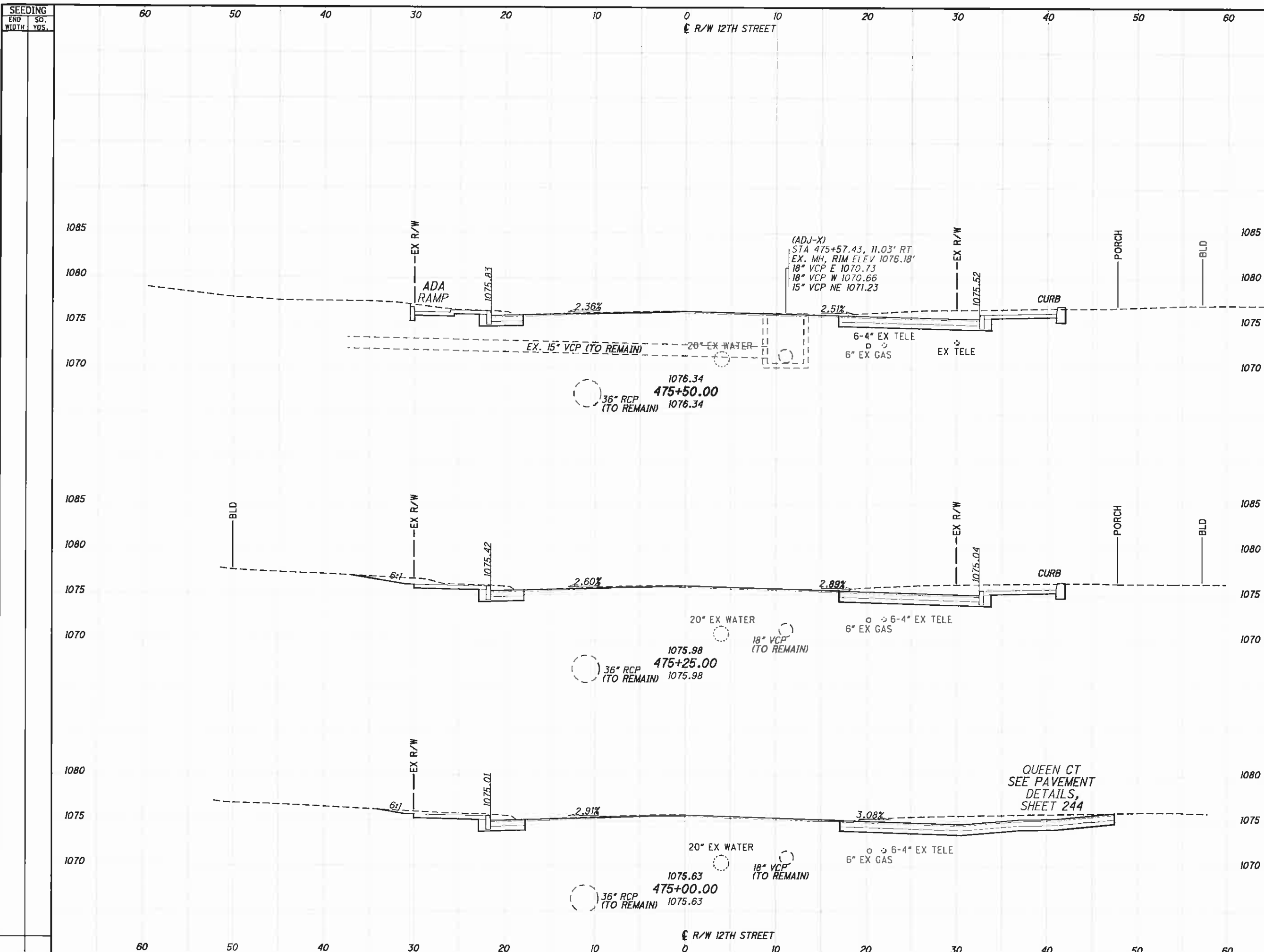


END AREA	VOLUME	CALCULATED	CHECKED

CROSS SECTIONS - 12TH STREET  
 STA. 474+25.00 TO STA. 474+75.00

STA-12TH STREET

J:\15\11-060 12th Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:34:58 PM dcbarnhart ODOTVBI\_PDF\_Half.plt cgl ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

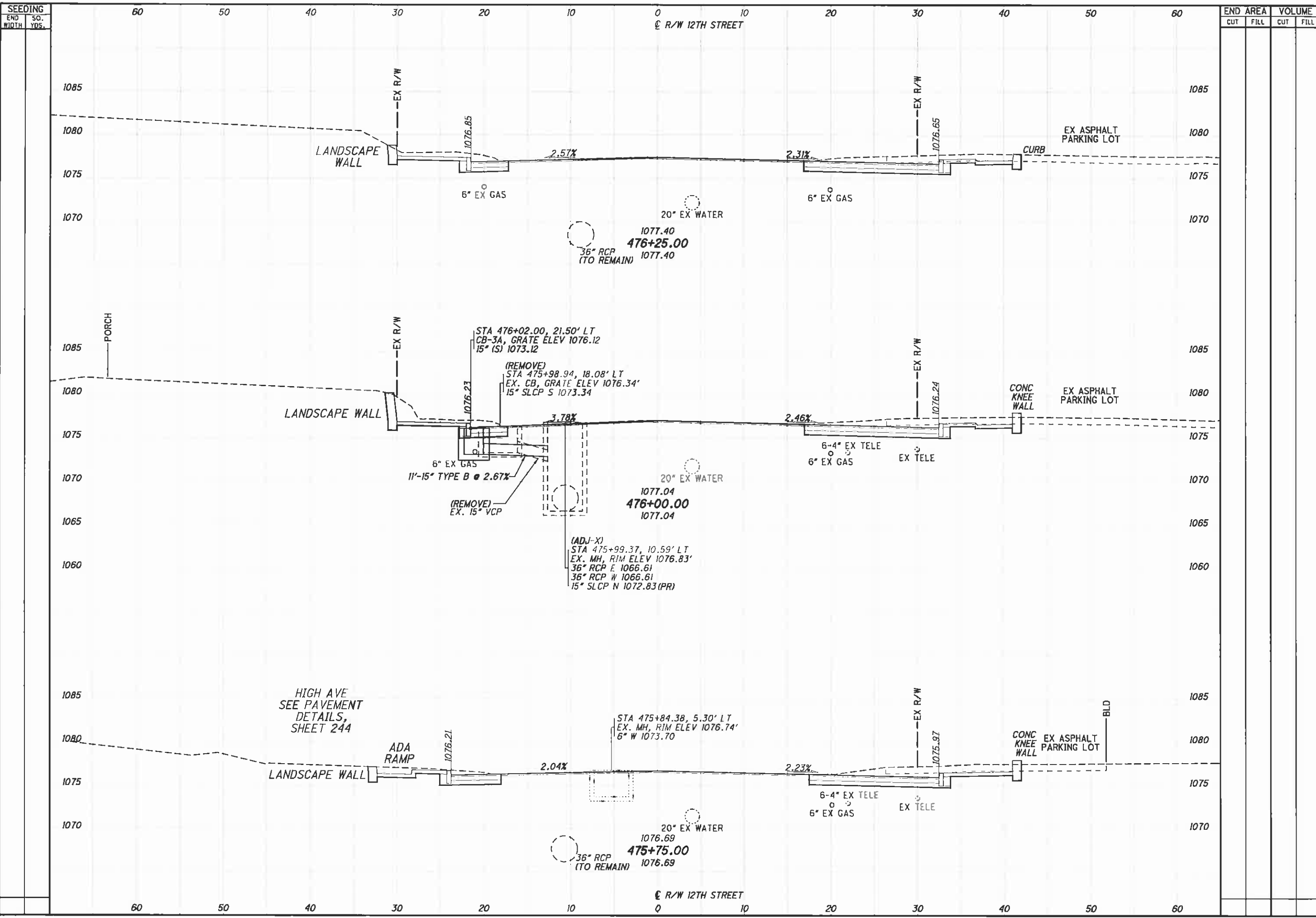


END WIDTH	SO. YOS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

CROSS SECTIONS - 12TH STREET  
STA. 475+00.00 TO STA. 475+50.00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:35:00 PM dcbarhart\ ODOT\B5299\_PDF\_Half.plt\cfig ODOT\B5299\_Pan-NE.tbl M-E Companies, Inc.



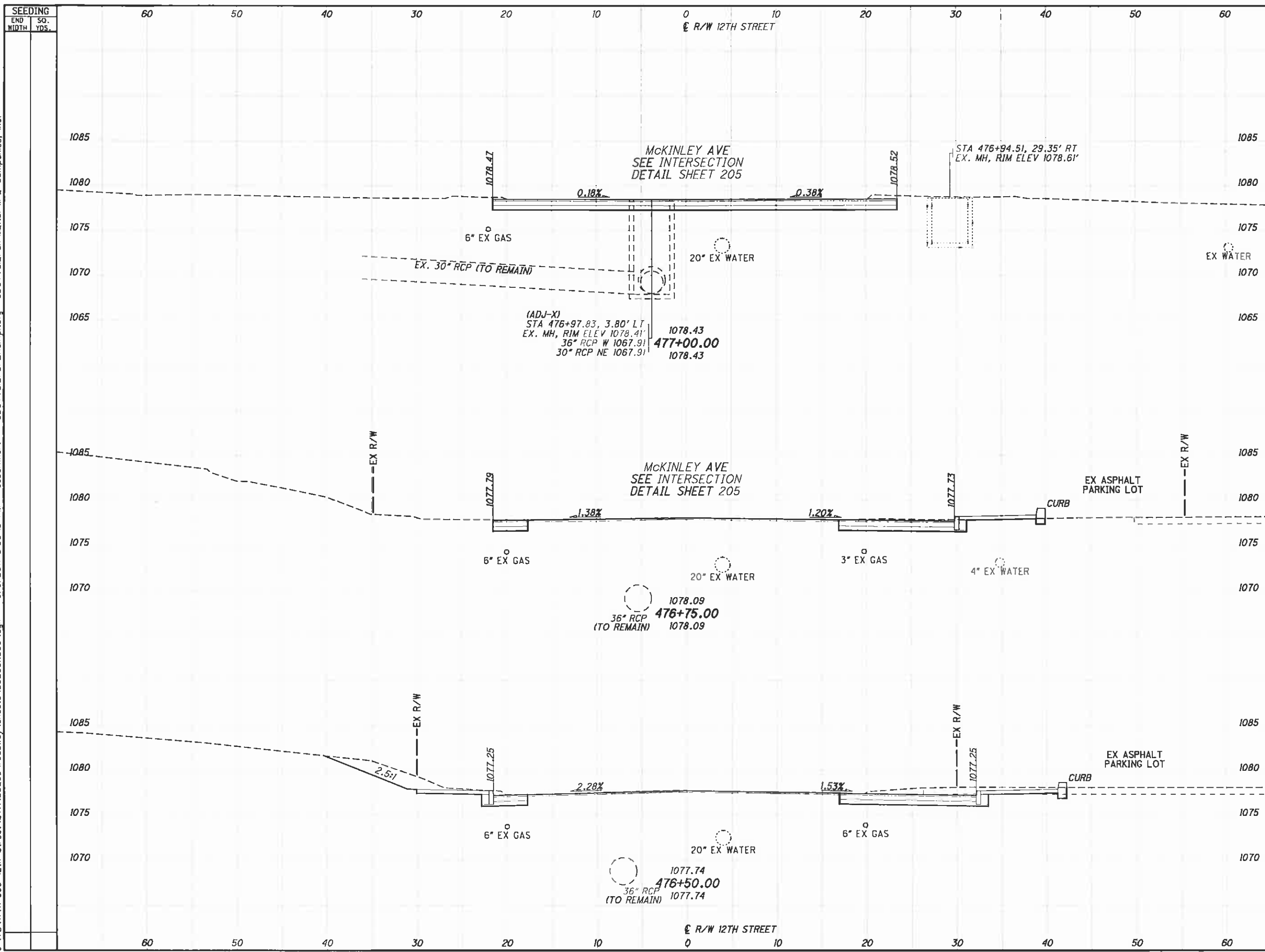
SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
END WIDTH						
SO. YDS.						

CROSS SECTIONS - 12TH STREET  
 STA. 475+75.00 TO STA. 476+25.00

STA-12TH STREET

100  
317

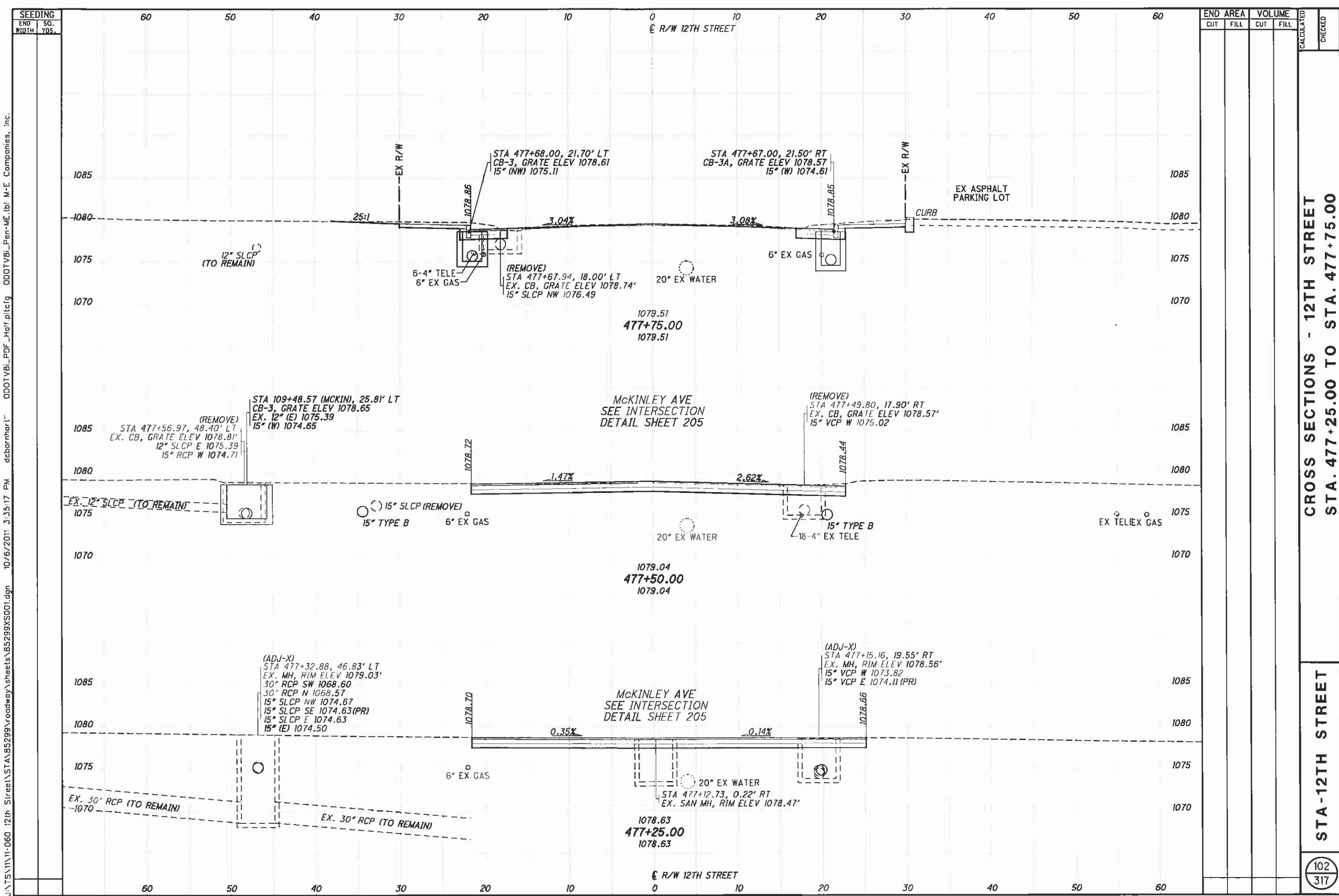
J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299X500.dgn 10/6/2011 3:35:15 PM dcbarnhart ODOT\B\Pen-ME.tbl M-E Companies, Inc.



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
END WIDTH				
SO. YDS.				

CROSS SECTIONS - 12TH STREET  
 STA. 476+50.00 TO STA. 477+00.00

101  
317



J:\TS\11-060 12th Street\11-060\Roadway\sheets\B5299X5001.dgn 10/6/2011 3:35:17 PM dcbarhorl' ODOTVBI\_PDF\_Half.plt cfig ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED									
	CUT	FILL	CUT	FILL											
END SO. WIDTH YDS.	60	50	40	30	20	10	0	10	20	30	40	50	60		

1079.51  
477+75.00  
1079.51

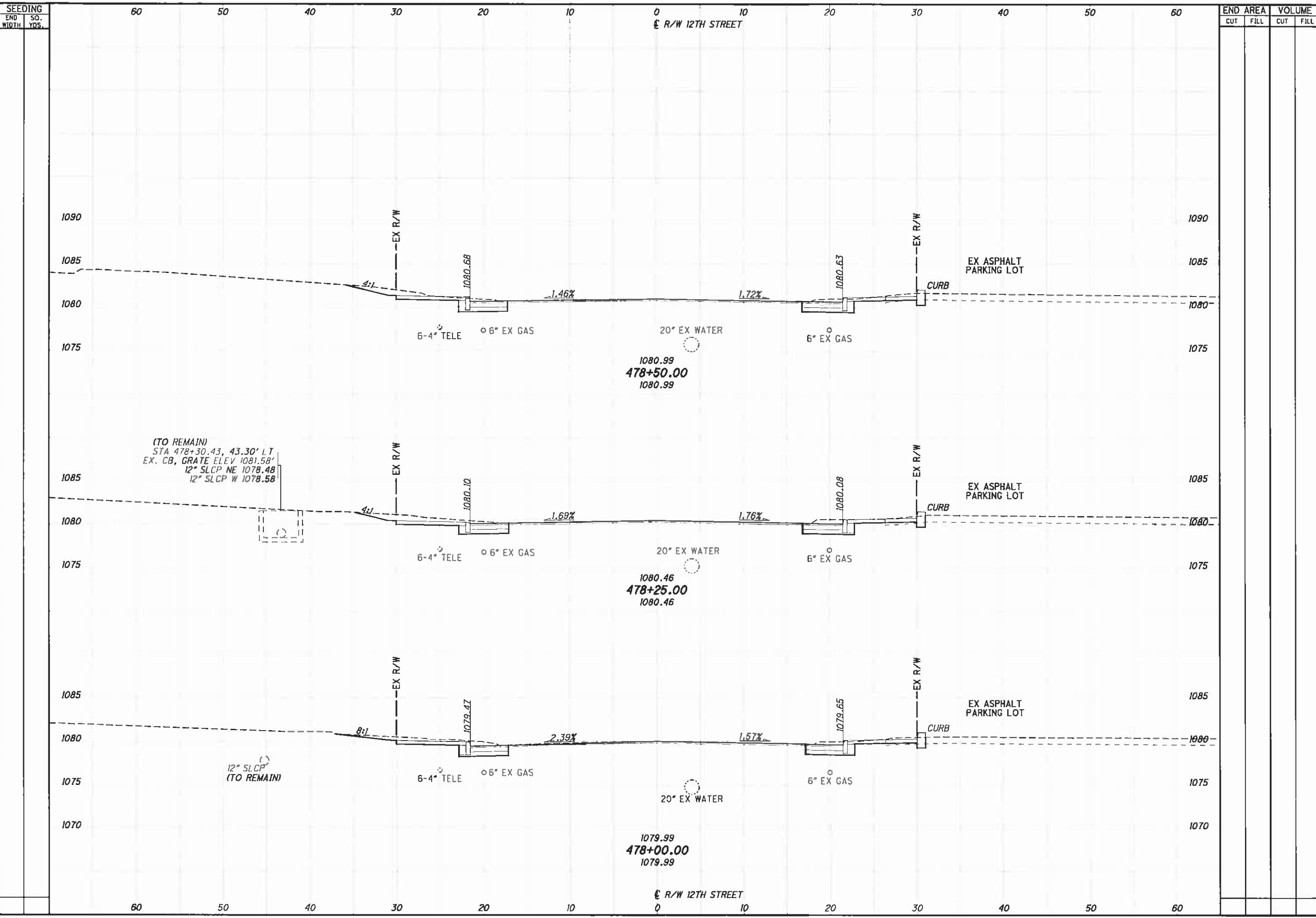
1079.04  
477+50.00  
1079.04

1078.63  
477+25.00  
1078.63

CROSS SECTIONS - 12TH STREET  
STA. 477+25.00 TO STA. 477+75.00

STA-12TH STREET  
102  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:35:19 PM dcbarhart ODOTV8i\_PDF\_Half.plt cfg ODOTV8i\_Pen-ME.tbl M+E Companies, Inc.



END WIDTH	SEEDING SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

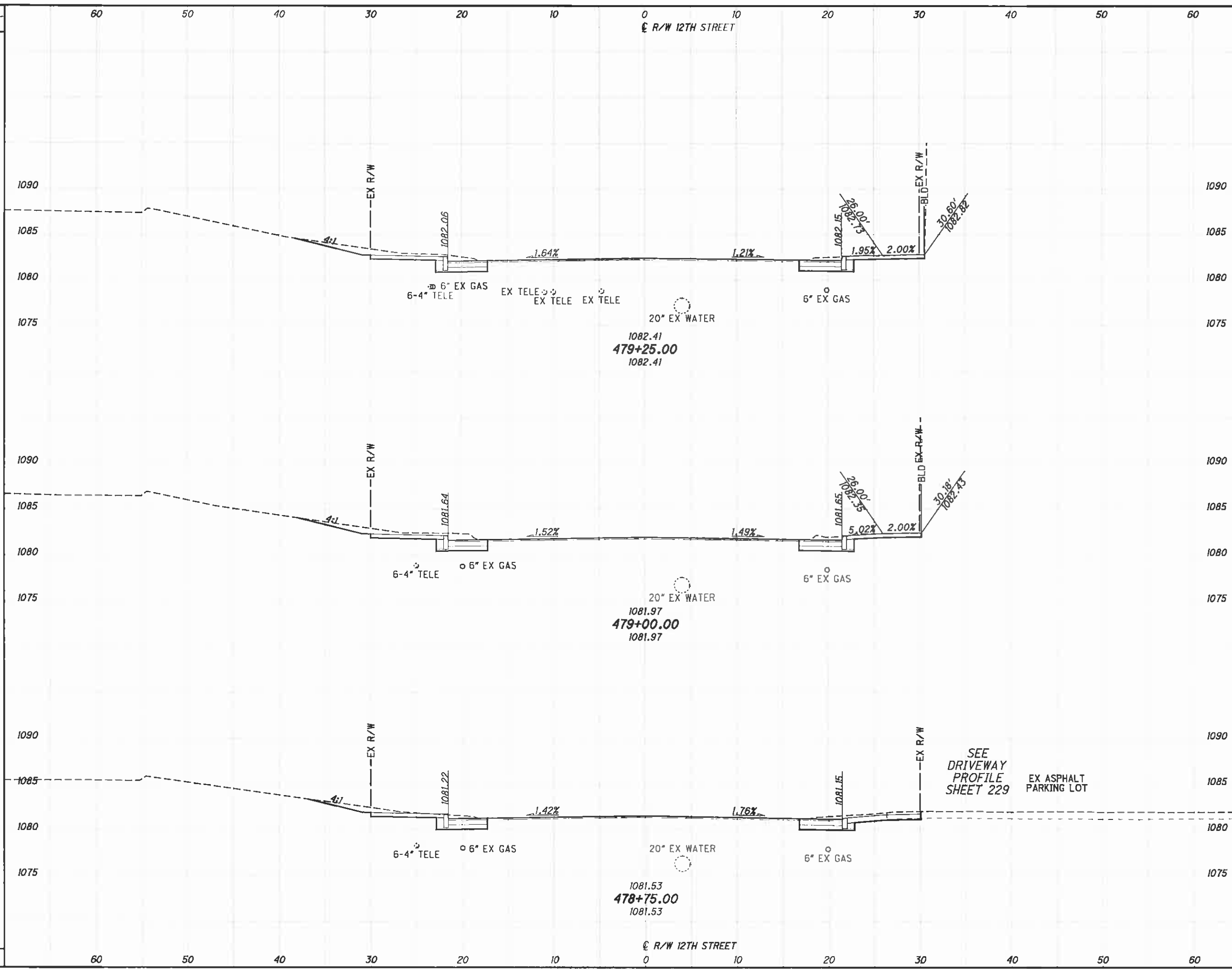
CROSS SECTIONS - 12TH STREET  
 STA. 478+00.00 TO STA. 478+50.00

12TH STREET

103  
317

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:35:20 PM dcbarhart\ODOTV8i\_PDF\_Half.plt c:\odotv8i\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	END WIDTH	SO. YDS.	STATIONING												END AREA		VOLUME		CALCULATED	CHECKED
			60	50	40	30	20	10	0	10	20	30	40	50	60	CUT	FILL	CUT		



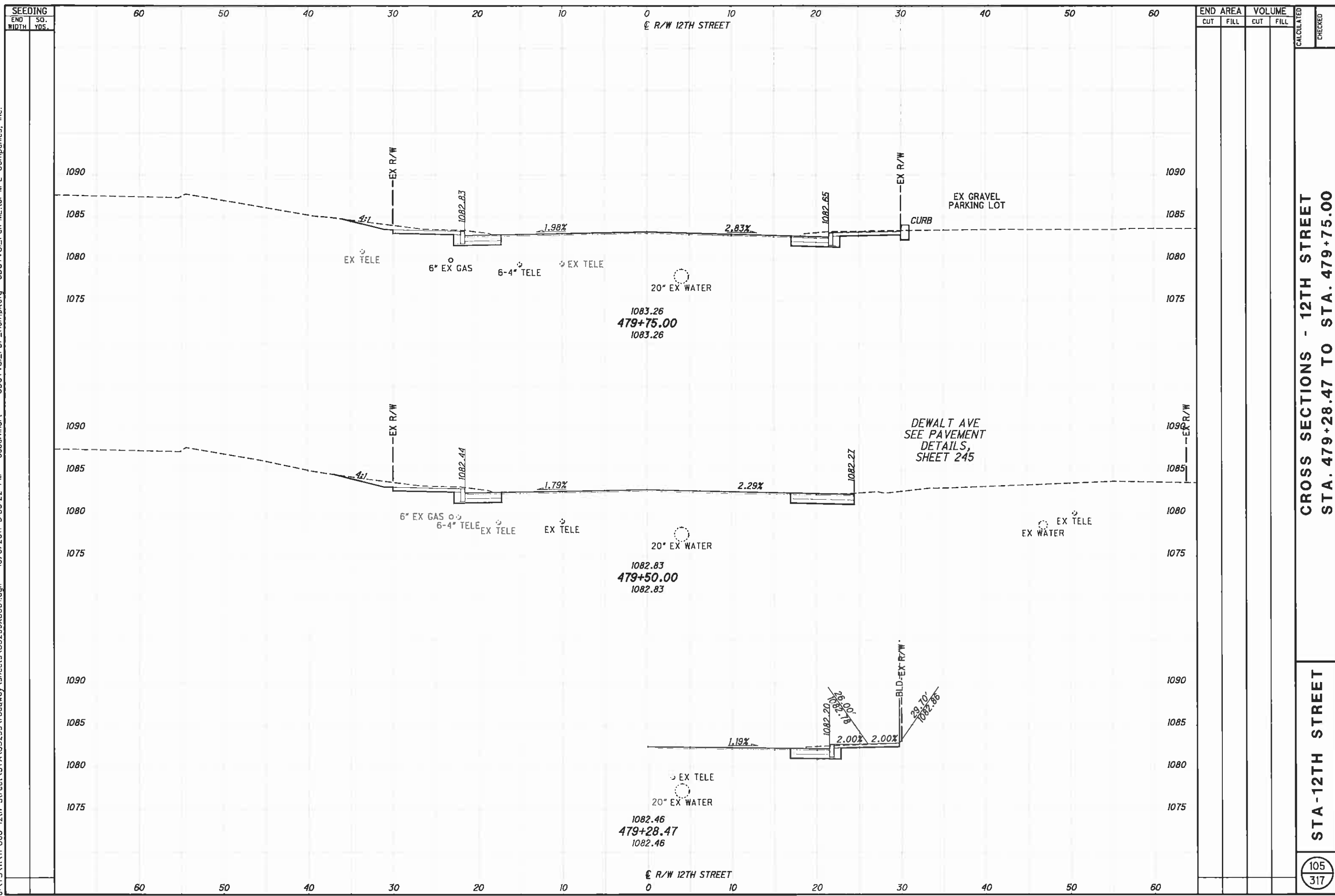
CROSS SECTIONS - 12TH STREET  
 STA. 478+75.00 TO STA. 479+25.00

STA-12TH STREET

104  
317



J:\TS\11\11-060 12th Street\STA\85299\roadway\sheels\85299XS001.dgn 10/6/2011 3:35:22 PM dcbarhart\ ODOTV61\_PDF\_Half.plt cfg ODOTV61\_Pen-ME.tbl M-E Companies, Inc.

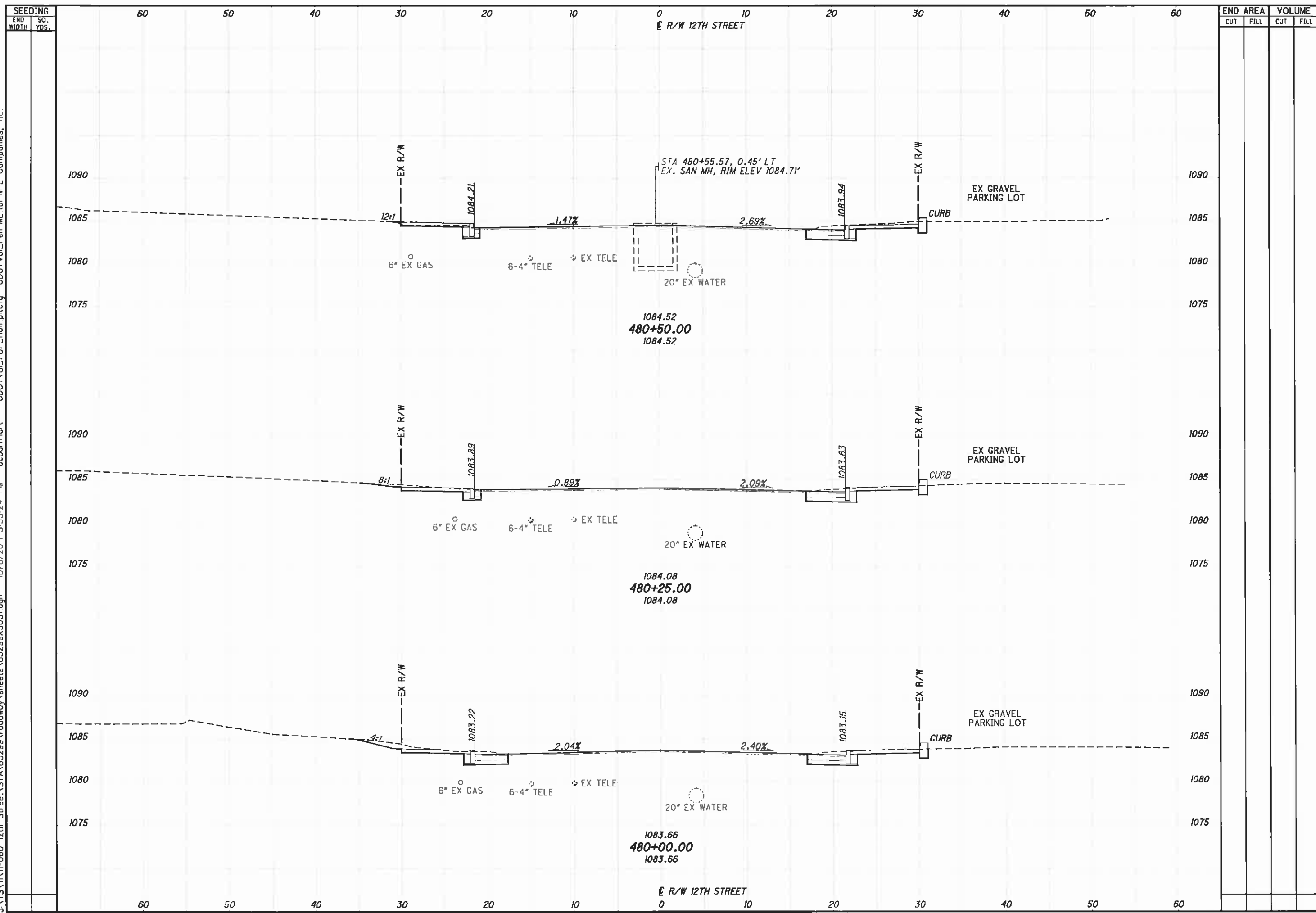


END WIDTH	SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
	END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		
60								
50								
40								
30								
20								
10								
0								
10								
20								
30								
40								
50								
60								

CROSS SECTIONS - 12TH STREET  
 STA. 479+28.47 TO STA. 479+75.00

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheels\B5299XS001.dgn 10/6/2011 3:35:24 PM dcbarhart\ ODOTV81\_PDF\_Hof.plt cfg ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



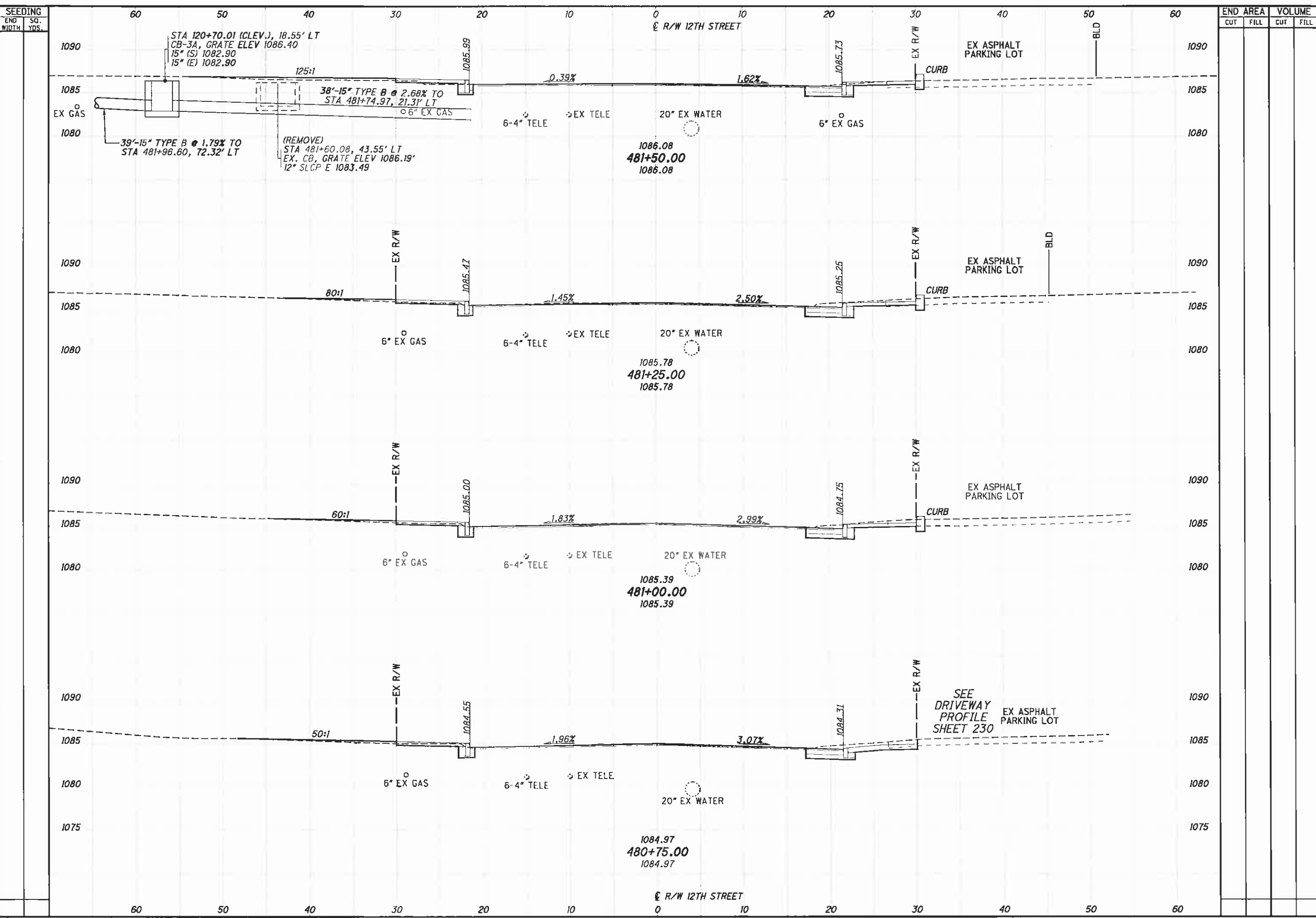
END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
 STA. 480+00.00 TO STA. 480+50.00

STA-12TH STREET

106  
317

J:\NTS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:35:26 PM dcbarnhart\ ODOTVBI\_PDF\_Half.plt c:\odotvbi\_pen-me.tbl M+E Companies, Inc.

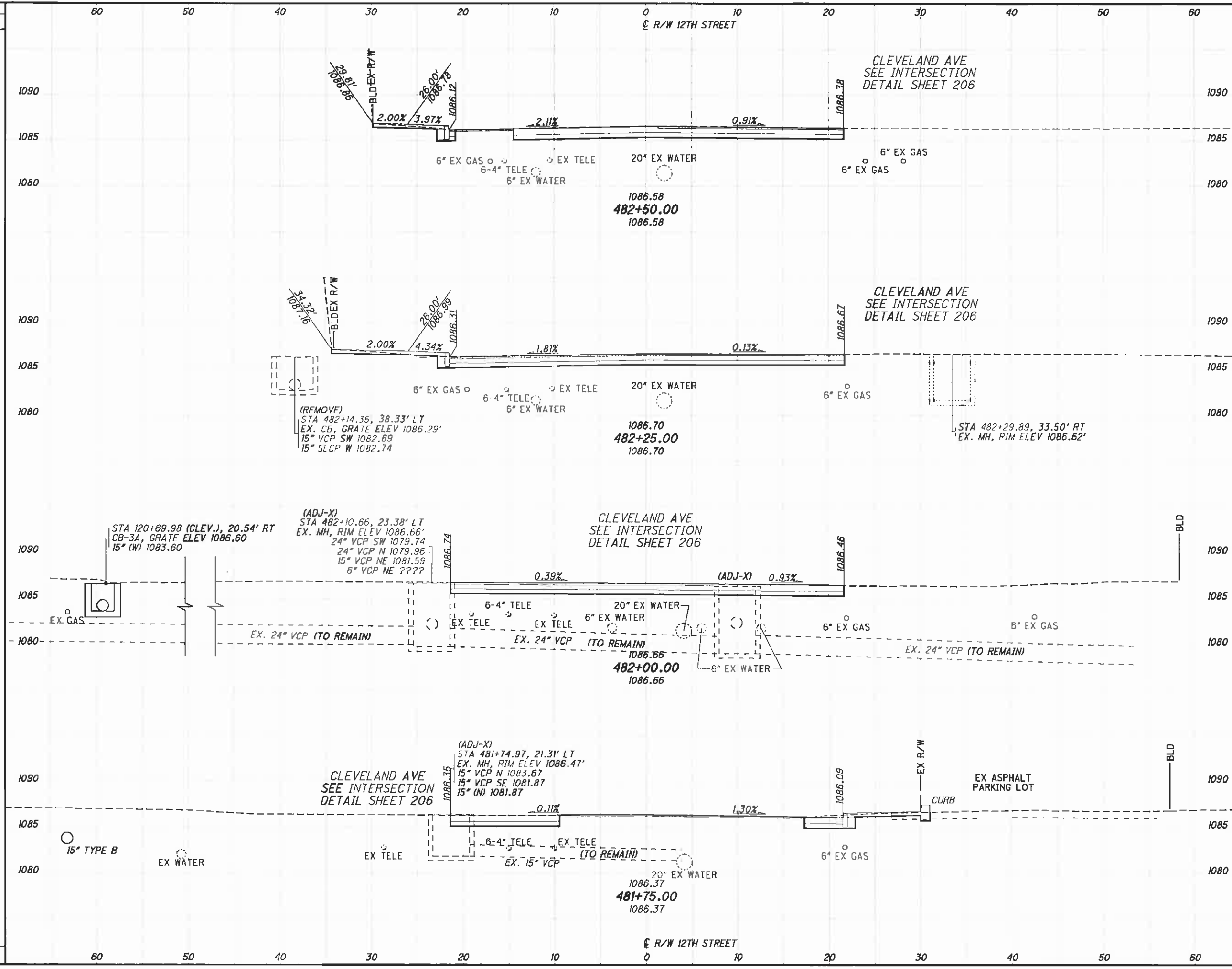


END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
480+75.00						
481+00.00						
481+25.00						
481+50.00						

CROSS SECTIONS - 12TH STREET  
STA. 480+75.00 TO STA. 481+50.00

12TH STREET

SEEDING  
 END SO.  
 WIDTH YDS.  
 J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:35:27 PM dcbarhart ODOTVBI\_PDF\_Hair.pltcfq ODOTVBI\_Pen-ME.lbi M-E Companies, Inc.

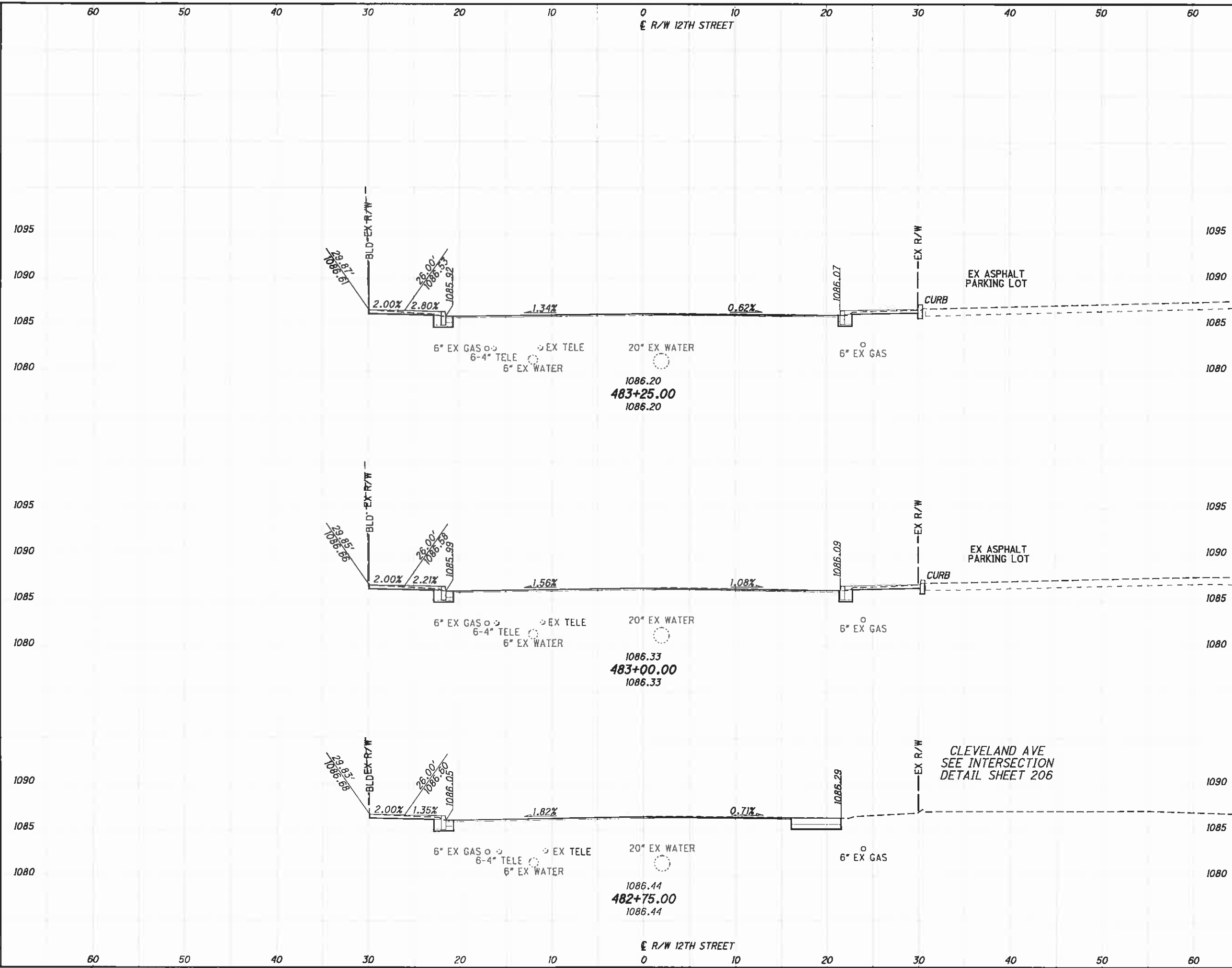


END STA.	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
481+75.00						
482+50.00						

**CROSS SECTIONS - 12TH STREET**  
**STA. 481+75.00 TO STA. 482+50.00**  
**STA-12TH STREET**  
 108  
 317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:35:29 PM dcbarhart\ ODOT\BI\_PDF\_Harf.pltcfp ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.



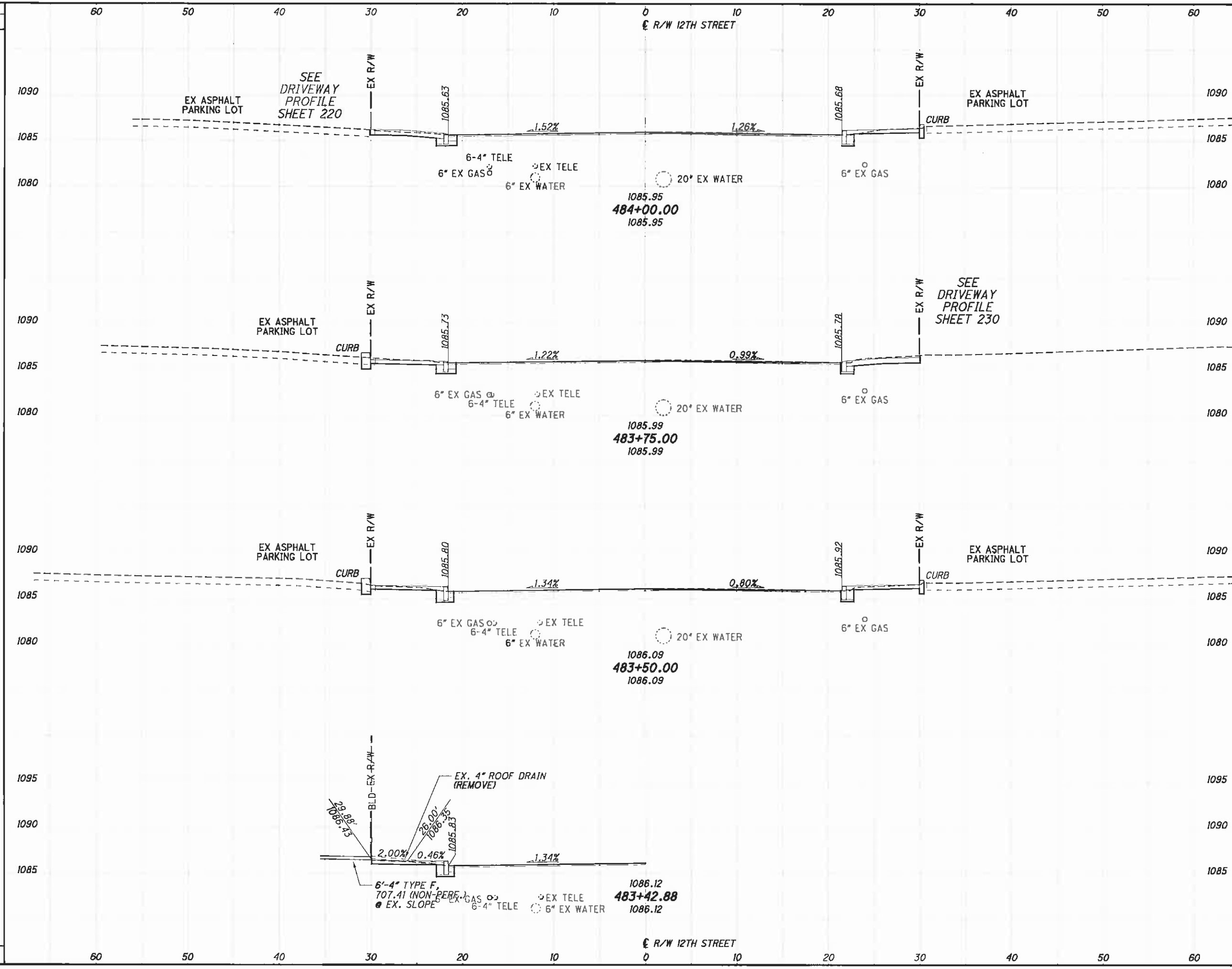
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CROSS SECTIONS - 12TH STREET  
 STA. 482+75.00 TO STA. 483+25.00

109  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:35:31 PM dcboarnhor\ ODOT\B1\_Per-ME.tbl M-E Companies, Inc.

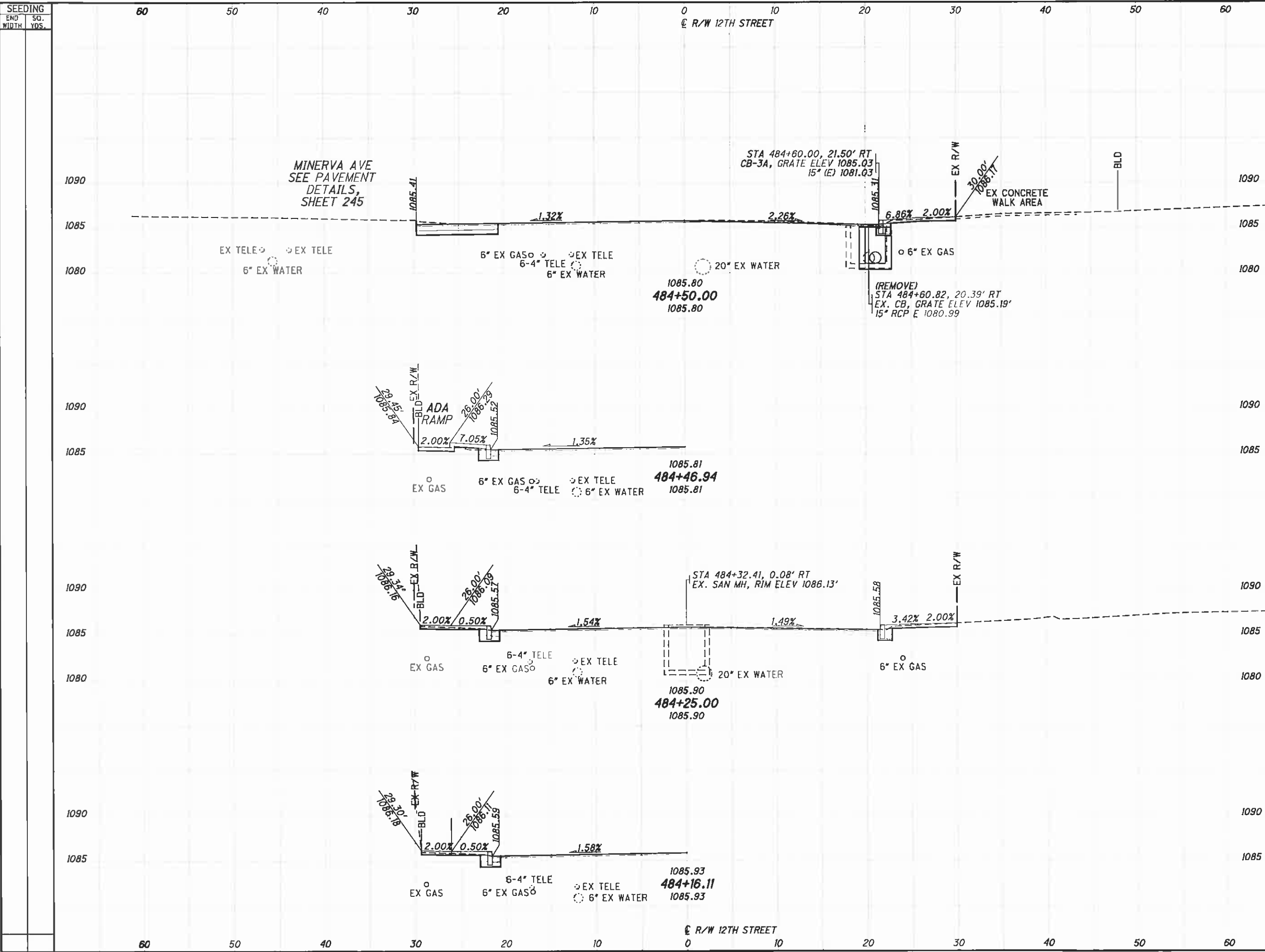
SEEDING	END WIDTH	Sq. YDS.	END AREA				VOLUME				
			CUT	FILL	CUT	FILL	CUT	FILL			



END AREA	VOLUME	CALCULATED	CHECKED

CROSS SECTIONS - 12TH STREET  
 STA. 483+42.94 TO STA. 484+00.00  
 STA-12TH STREET  
 110  
 317

J:\ATS\11\11-060\_12th\_Street\STA\B5299\Roadway\Sheets\B5299X5001.dgn 10/6/2011 3:35:33 PM dcbarnhart\DOTV8i\_PDF\_Half.plt cfg ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.



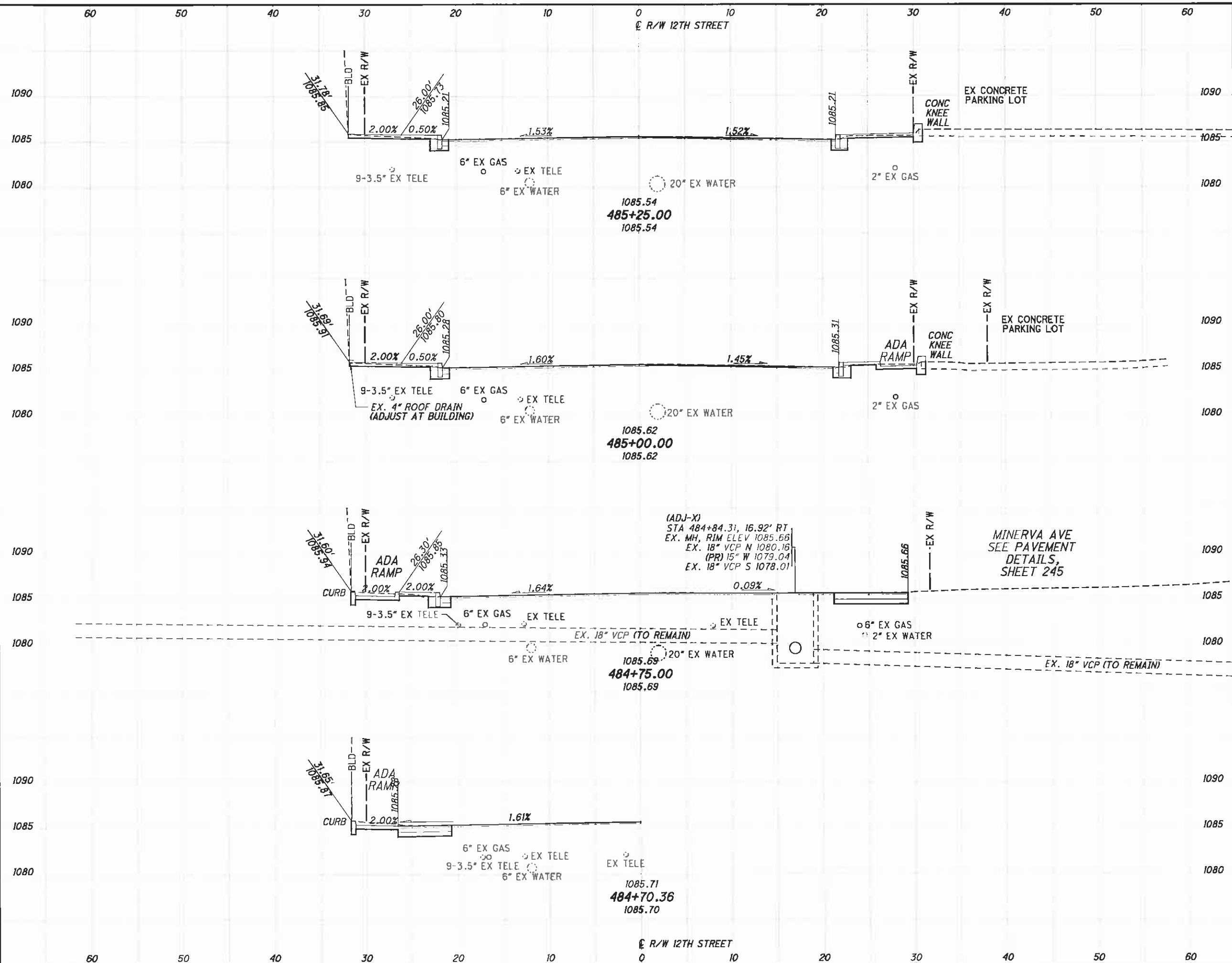
END STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
484+16.11				
484+25.00				
484+46.94				
484+50.00				
484+60.00				

CROSS SECTIONS - 12TH STREET  
STA. 484+16.11 TO STA. 484+50.00

111  
317

J:\ITS\11-060 12th Street\STA\65299\roadway\sheet\85299X5001.dgn 10/6/2011 3:35:35 PM dcbarhart ODOT\BI\_PDF\_Half.plt cfb ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	END WIDTH		SO. YDS.	

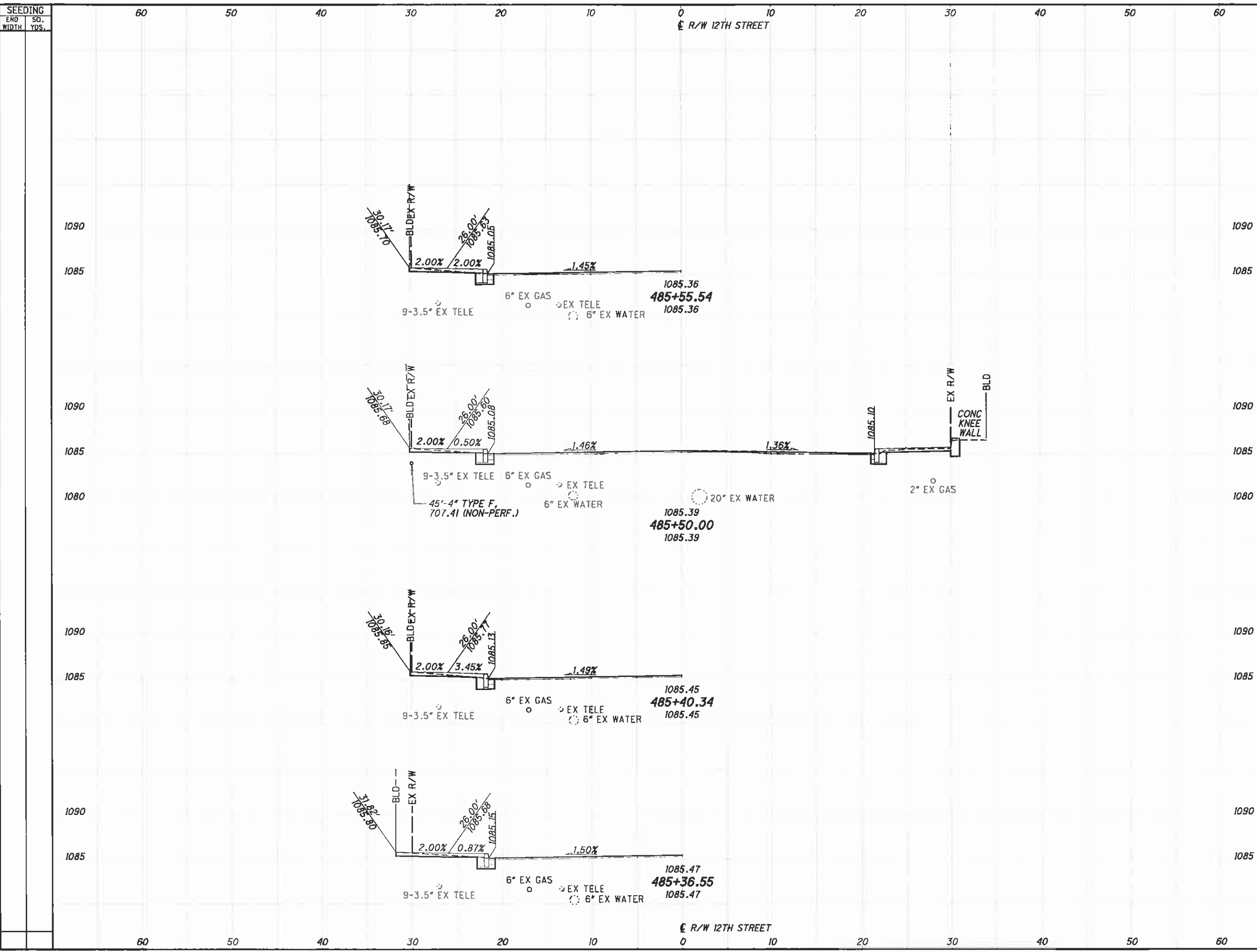


END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

**CROSS SECTIONS - 12TH STREET**  
**STA. 484+70.51 TO STA. 485+25.00**  
**STA-12TH STREET**  
112  
317



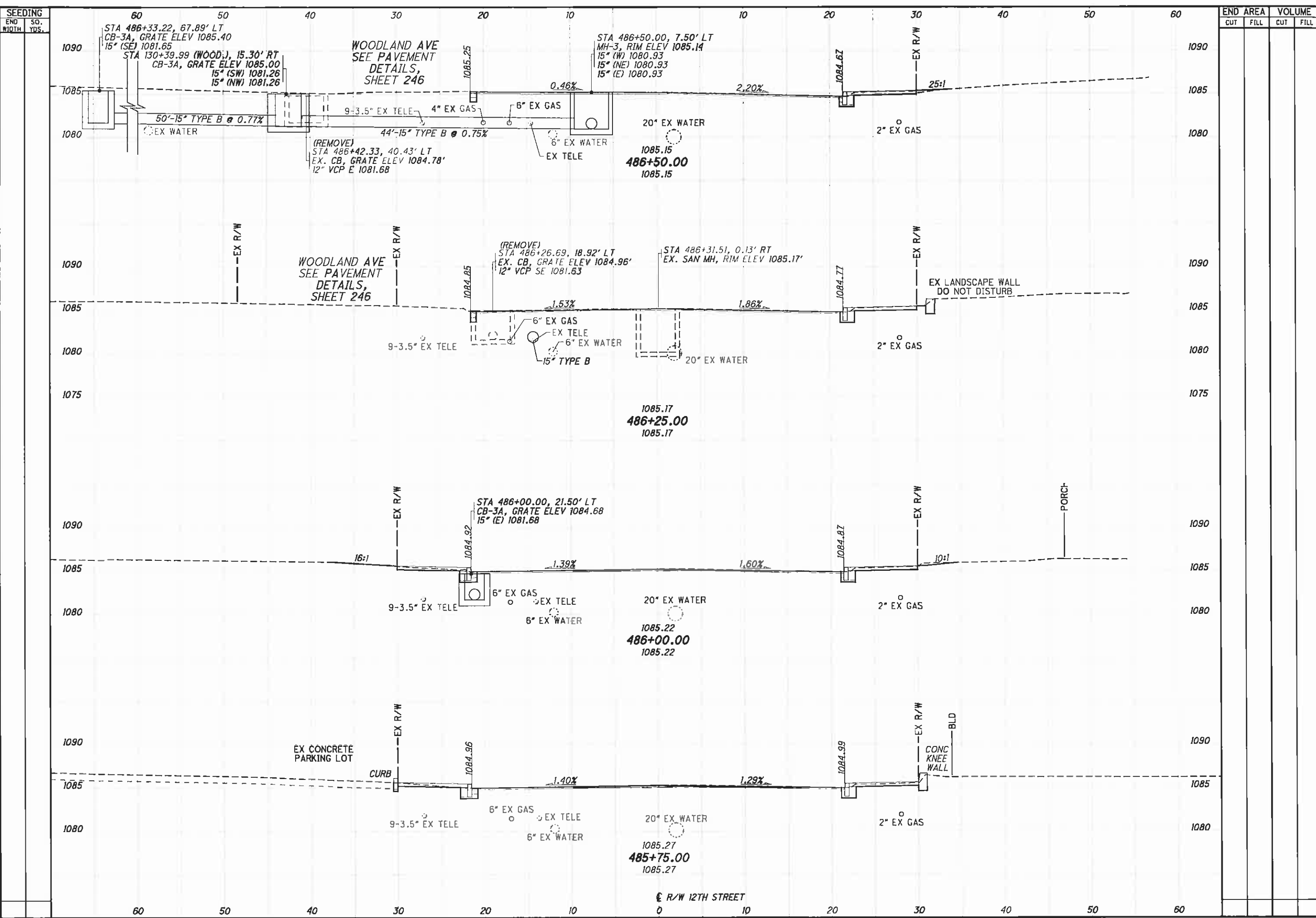
J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:35:36 PM dcbarhart\ ODOT\B5\_PDF\_Half.plt c:\g\ODOT\B5\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
1090				
1085				
1080				
1075				

**CROSS SECTIONS - 12TH STREET**  
**STA. 485+36.55 TO STA. 485+55.54**  
**STA-12TH STREET**  
 113  
 317

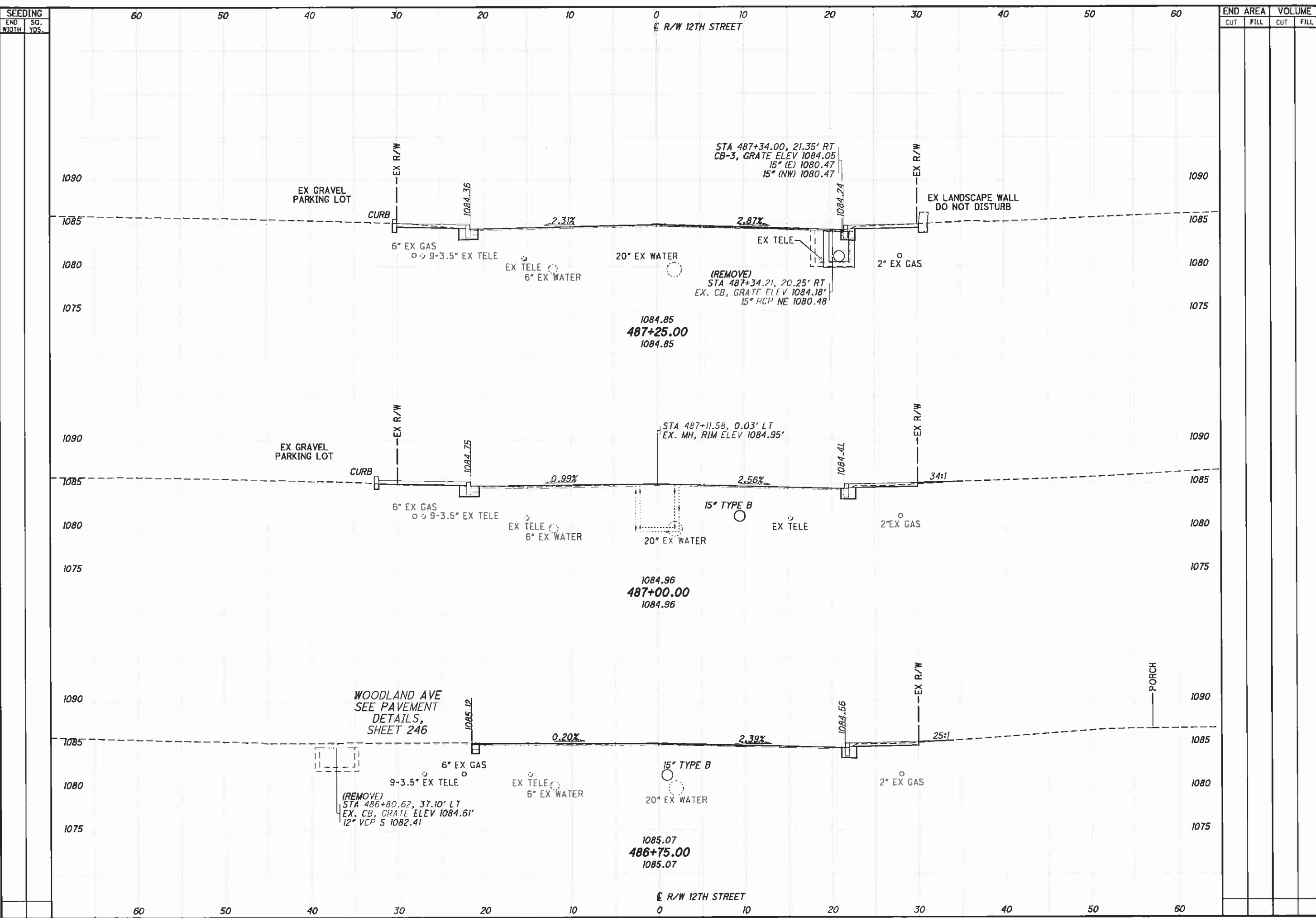
J:\ATS\11-11-06\12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:35:38 PM dcbarhart ODOT\Bil\_PDF\_half\_pitcig ODOT\Bil\_Pen\_ME.tbl M-E Companies, Inc.



END STA	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
485+75.00						
486+00.00						
486+25.00						
486+50.00						

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 485+75.00 TO STA. 486+50.00**

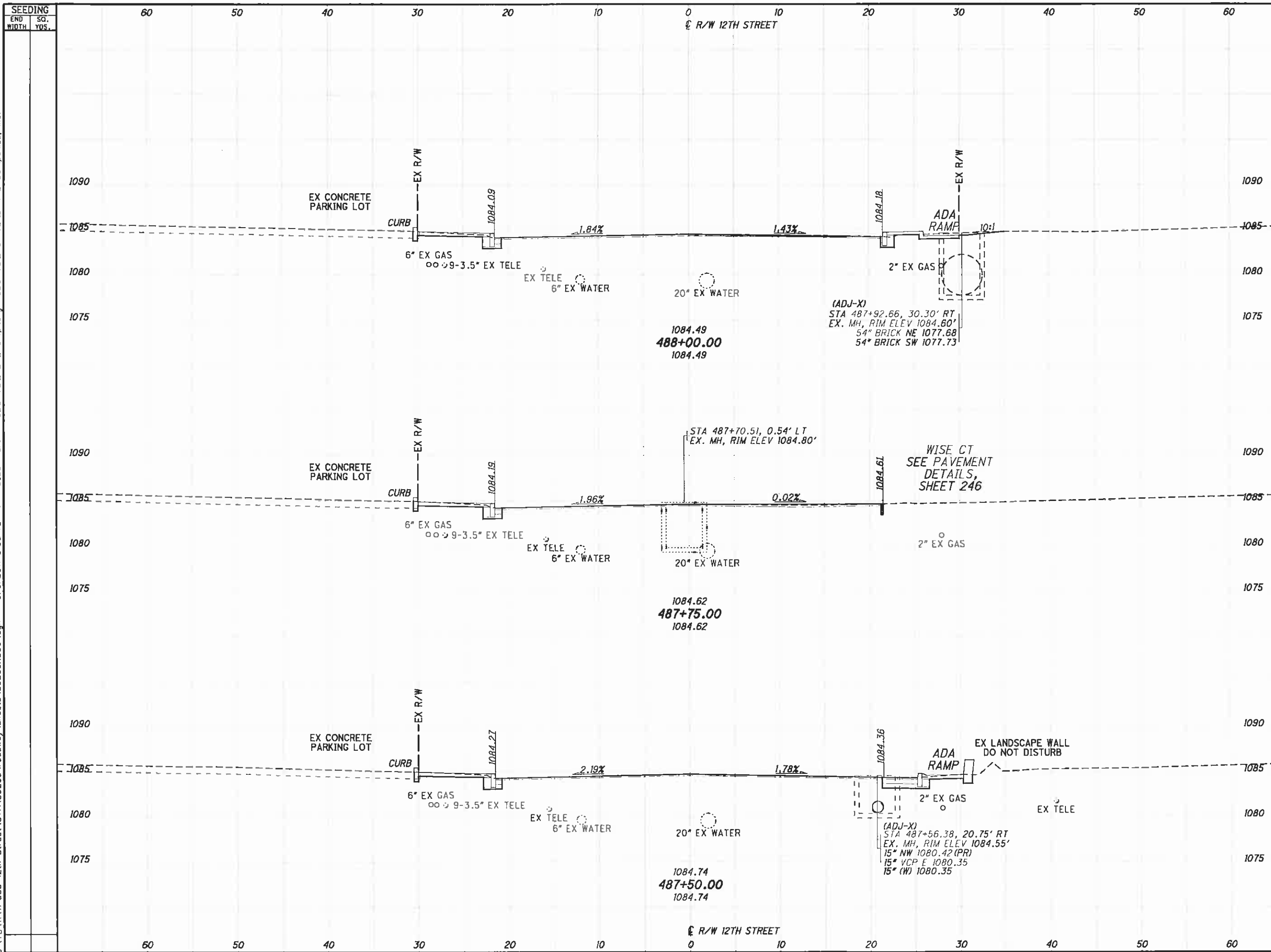
U:\ATS\11-060\_12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:35:40 PM dcbarhart\ ODOT\B5\_PDF\_Half.plt c:\g\ODOT\B5\_Pen-ME.tbl M-E Companies, Inc.



END AREA	VOLUME	CALCULATED		CHECKED
		CUT	FILL	

**CROSS SECTIONS - 12TH STREET**  
**STA. 486+75.00 TO STA. 487+25.00**  
**STA-12TH STREET**  
 115  
 317

J:\TSS\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:35:42 PM dcbarhart ODOT\BI\_PDF\_half.plt ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.

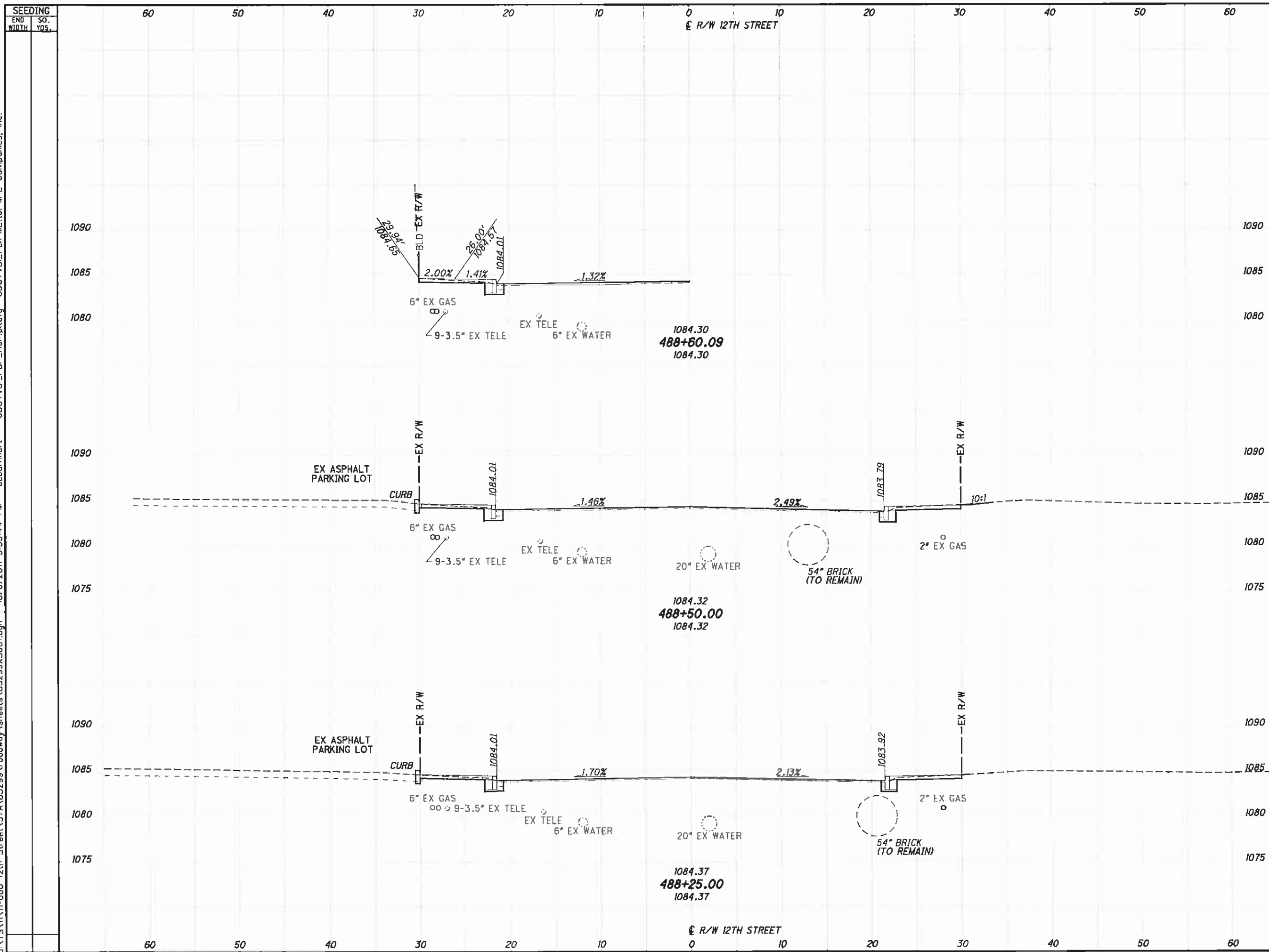


SEEDING		END AREA				VOLUME					
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL		
										CALCULATED	CHECKED

CROSS SECTIONS - 12TH STREET  
STA. 487+50.00 TO STA. 488+00.00

STA-12TH STREET

J:\15\11-060 12th Street\STA\85299\Roadway\Sheets\85299X5001.dgn 10/6/2011 3:35:44 PM dcbarhart\ ODOTVBI\_PDF\_Half.plt c:\g\ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



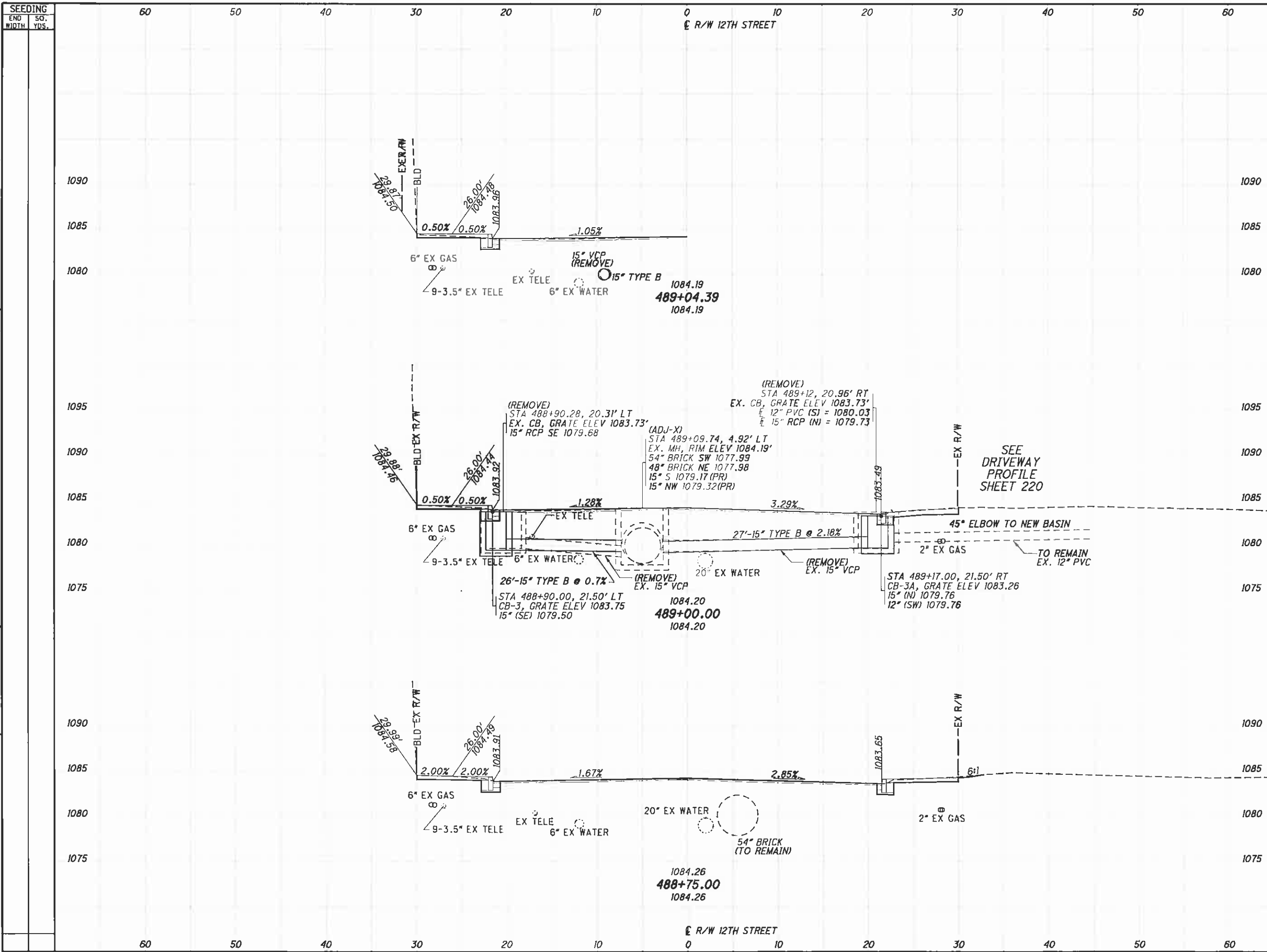
END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 488+25.00 TO STA. 488+60.09

STA-12TH STREET

117  
317

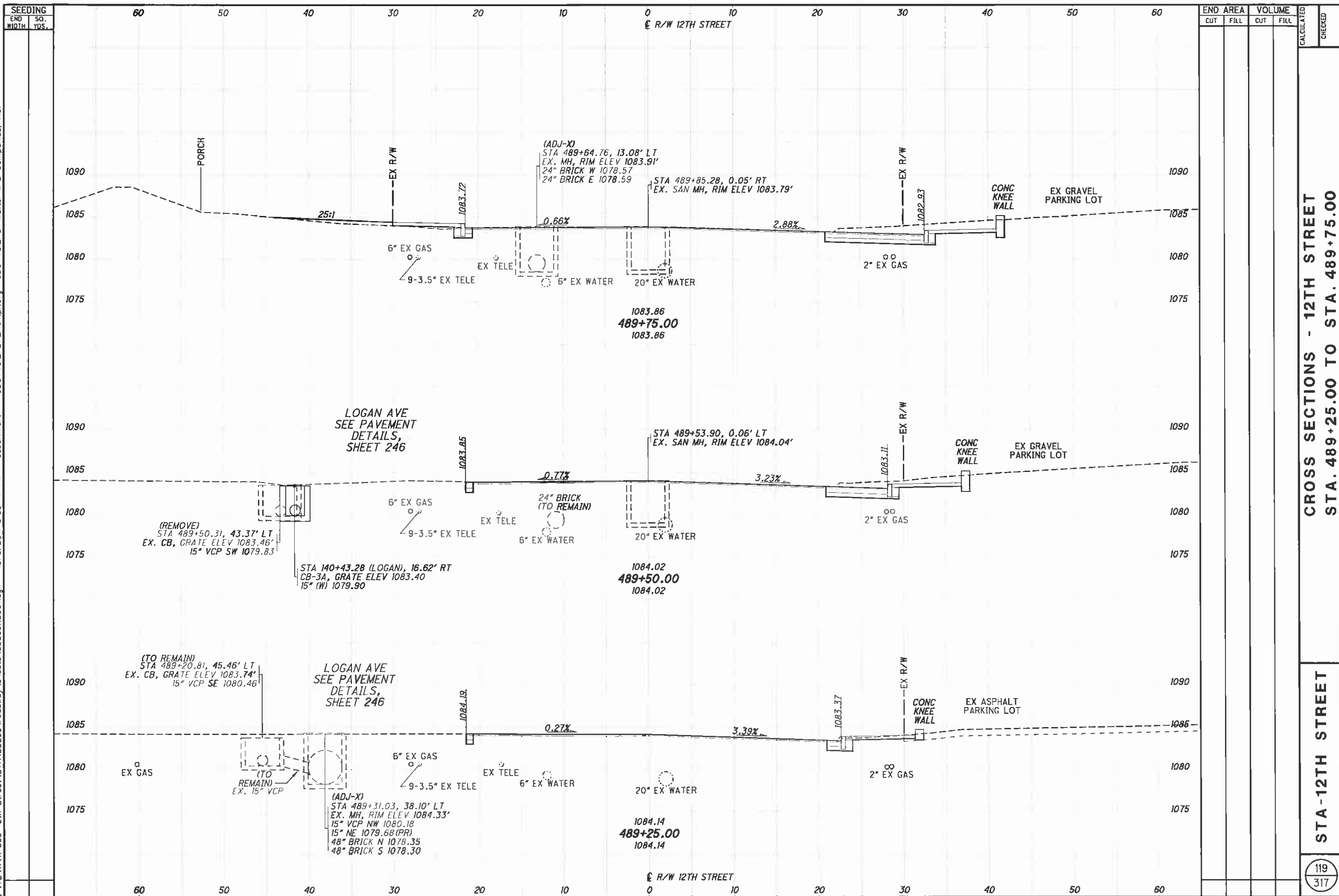
J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\85299XS001.dgn 10/6/2011 3:35:45 PM dcbarhart\ ODOTV81\_PDF\_Half.plt cfg ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
488+75.00				
489+04.54				

**CROSS SECTIONS - 12TH STREET**  
**STA. 488+75.00 TO STA. 489+04.54**  
**STA-12TH STREET**  
 118  
 317

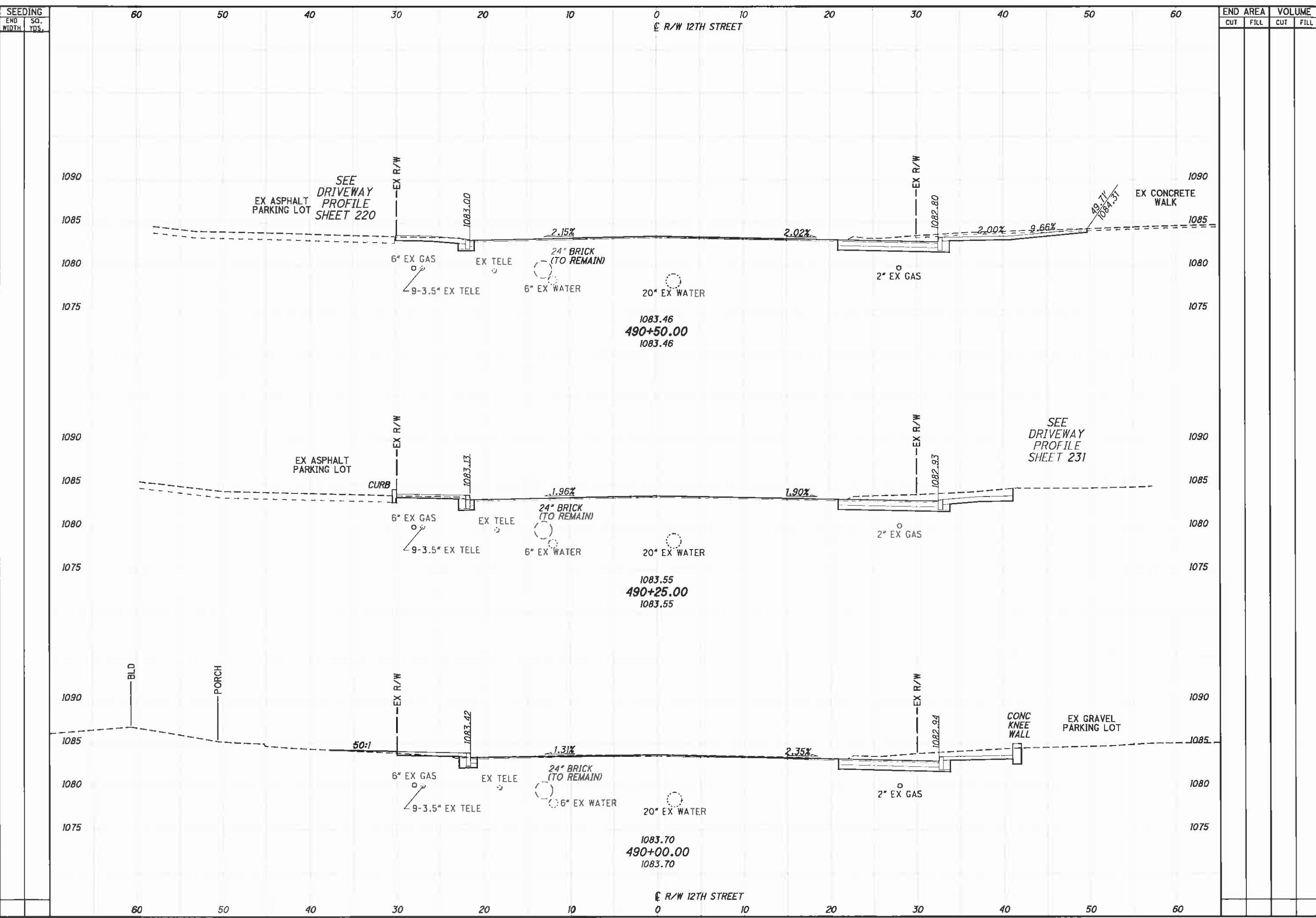
J:\NTS\11\11-060 12th Street\STA\85299\roadway\sheets\85299\5001.dgn 10/6/2011 3:35:47 PM dbarnhart\ 000TV81\_PDF\_Half.plt\cfig 000TV81\_Pen-ME.tbl M-E Companies, Inc.



END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

**CROSS SECTIONS - 12TH STREET**  
**STA. 489+25.00 TO STA. 489+75.00**  
  
**STA-12TH STREET**  
 119  
 317

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:35:49 PM dcbarhart ODOTV8i\_PDF\_Hoif.plt cfig ODOTV8i\_Pen-ME.tbl M+E Companies, Inc.



END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

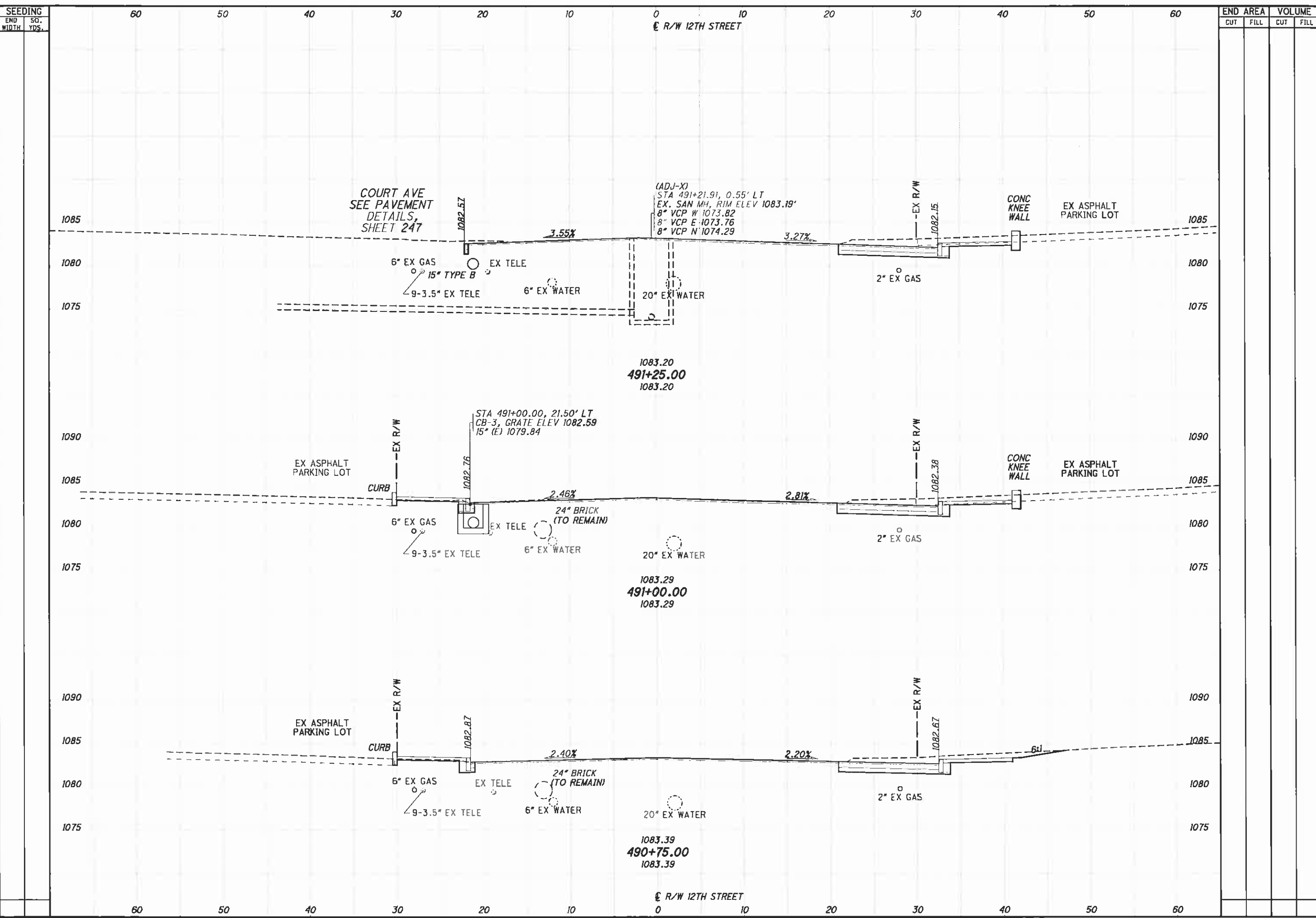
**CROSS SECTIONS - 12TH STREET**  
**STA. 490+00.00 TO STA. 490+50.00**

**STA-12TH STREET**

120  
317



J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:35:51 PM dcbarhart\ ODOT\Bi\_PDF\_Half.plt\cfig ODOT\Bi\_Pen-ME.tbi M-E Companies, Inc.



END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

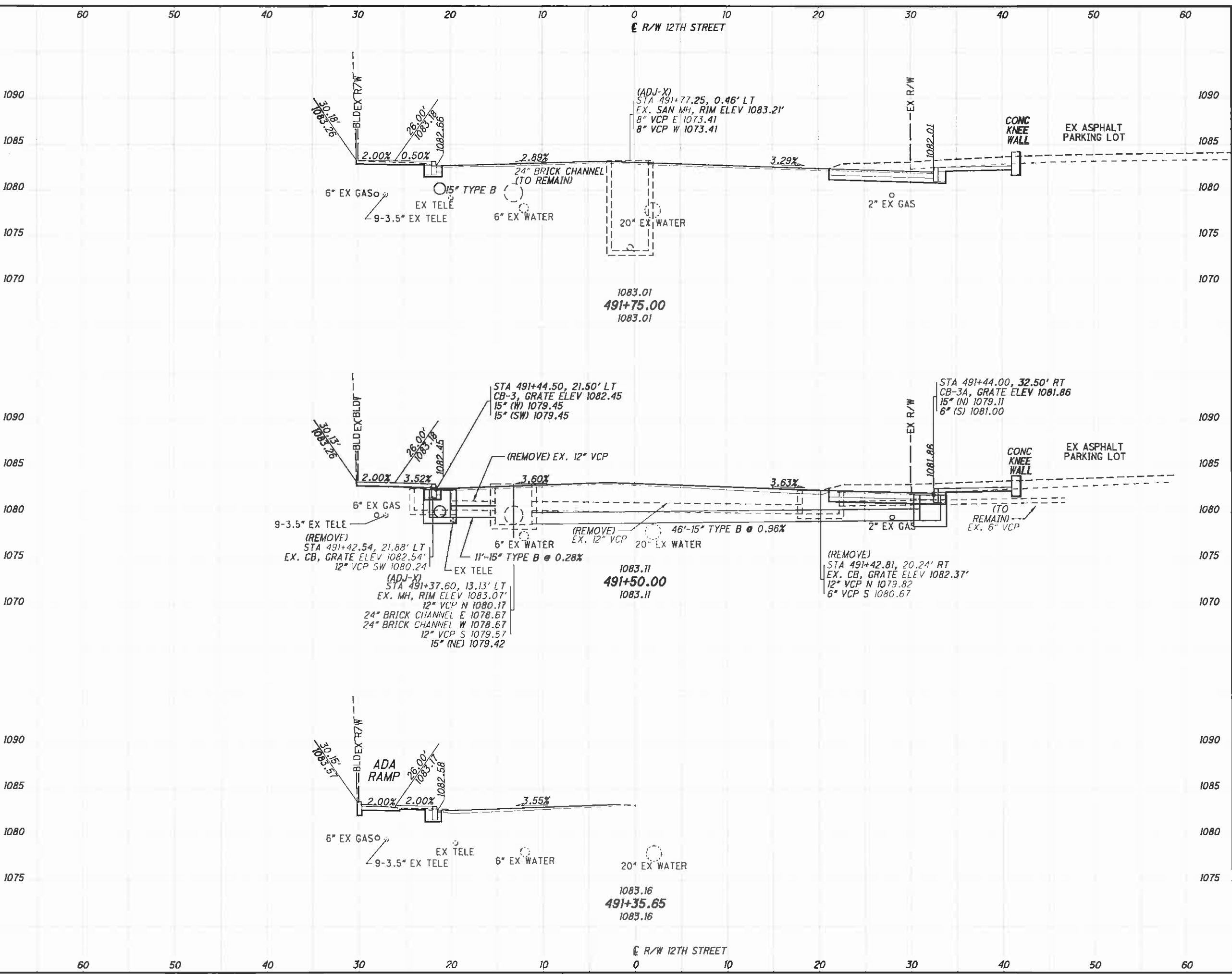
CROSS SECTIONS - 12TH STREET  
STA. 490+75.00 TO STA. 491+25.00

STA-12TH STREET

121  
317

J:\TSV\11-060\_12th Street\STA\B5299\roadway\sheels\B5299XS001.dgn 10/6/2011 3:35:52 PM dcbarhart\ODOTVBI\_PDF\_Half.plt c:\odotvbi\_pen-me.tbl M-E Companies, Inc.

SEEDING		E R/W 12TH STREET										END AREA		VOLUME		CALCULATED	CHECKED	
END WIDTH	SO. YDS.	60	50	40	30	20	10	0	10	20	30	40	50	60	CUT			FILL

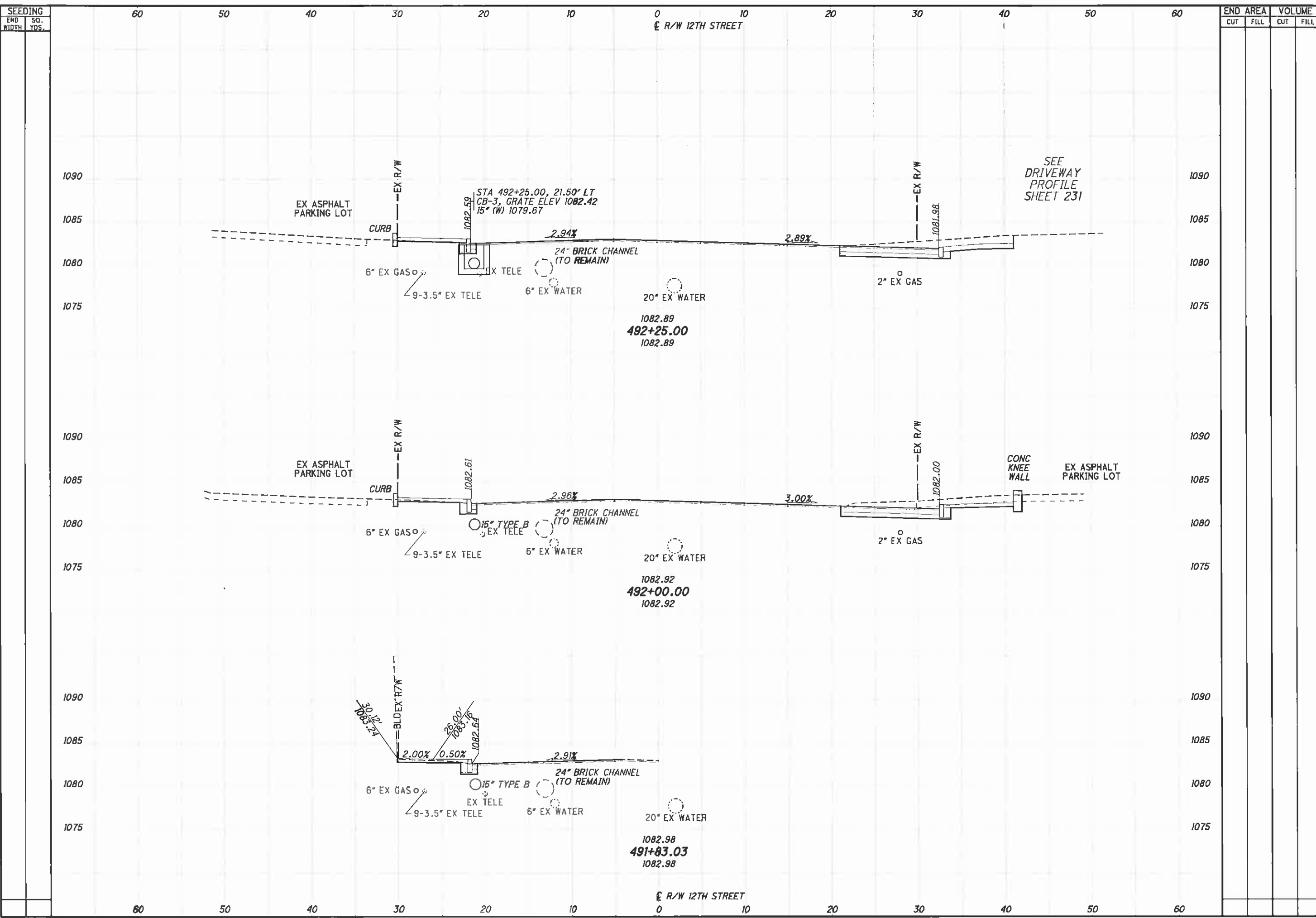


CROSS SECTIONS - 12TH STREET  
STA. 491+35.52 TO STA. 491+75.00

STA-12TH STREET

122
317

J:\TS\11-060\_12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:35:54 PM dcbarhart\ ODOT\B5\_PDF\_half.plt\cig ODOT\B5\_Pen-ME.tbl M-E Companies, Inc.

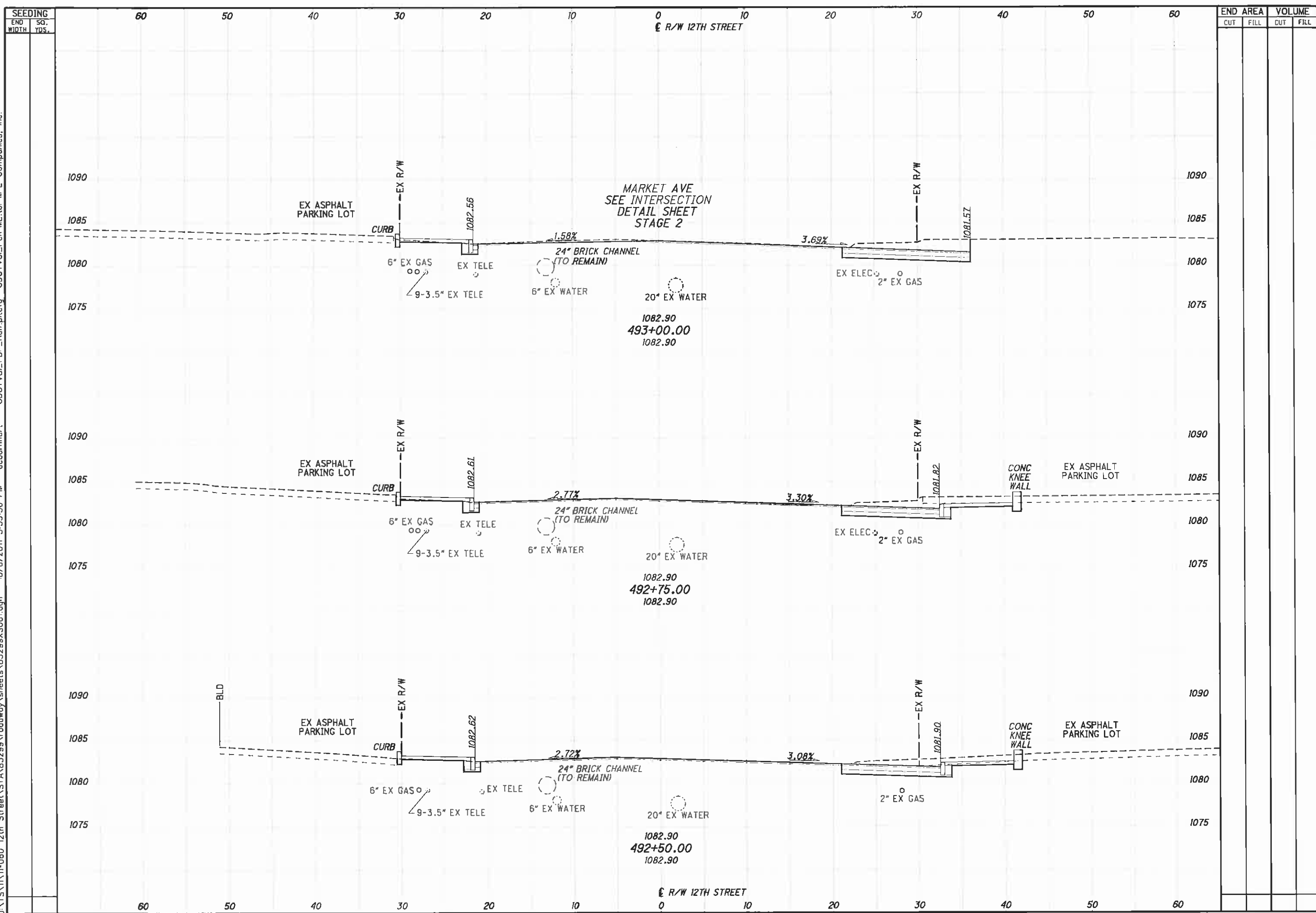


END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
 STA. 491+83.03 TO STA. 492+25.00

STA-12TH STREET

J:\TSS\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:35:56 PM dcbarnhar\ ODOTVBi\_PDF\_Half.plt c:\pen-me.tbl M-E Companies, Inc.

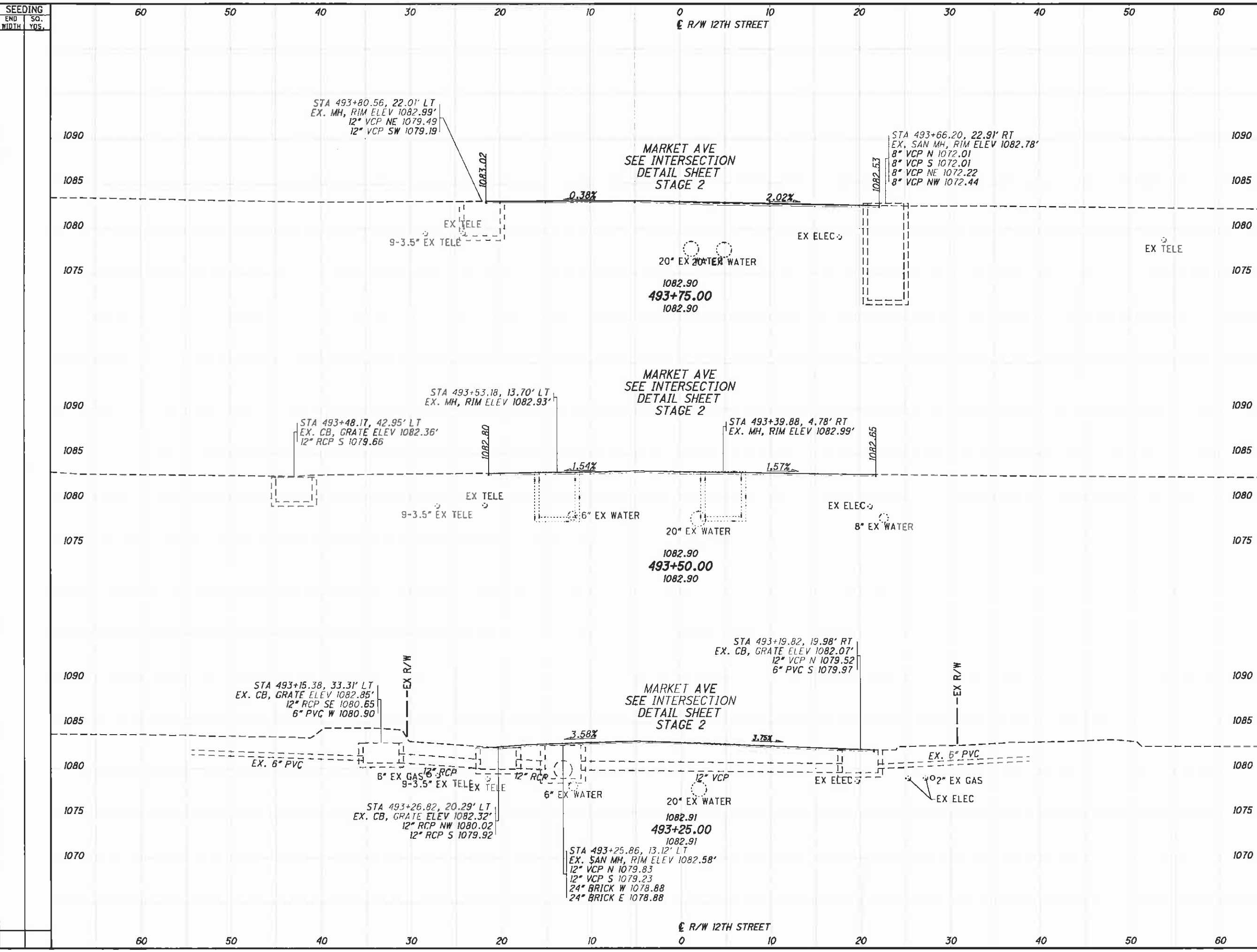


END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
493+00.00						
492+75.00						
492+50.00						

CROSS SECTIONS - 12TH STREET  
STA. 492+50.00 TO STA. 493+00.00

STA-12TH STREET

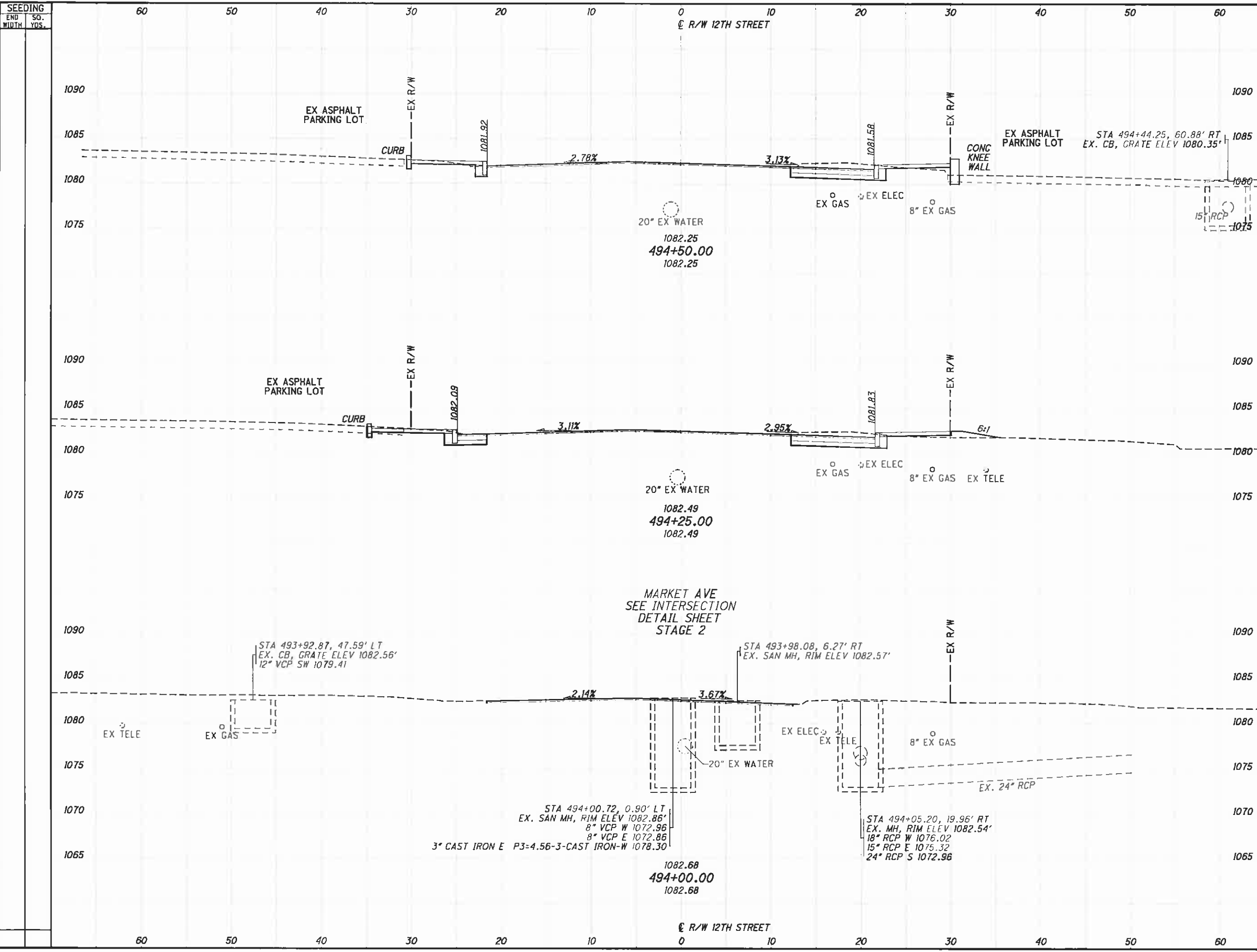
J:\TS\11\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:35:58 PM dcbarhart ODOT\85299\PDF\_Half.plt c:\g\DOT\85299\Pen-ME.tbl M-E Companies, Inc.



END WIDTH	SEEDING SO. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 493+25.00 TO STA. 493+75.00**

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:36:00 PM dcbarnhart ODOT\Bi\_PDF\_Half.plt ODOT\Bi\_PDF\_Half.plt M-E Companies, Inc.

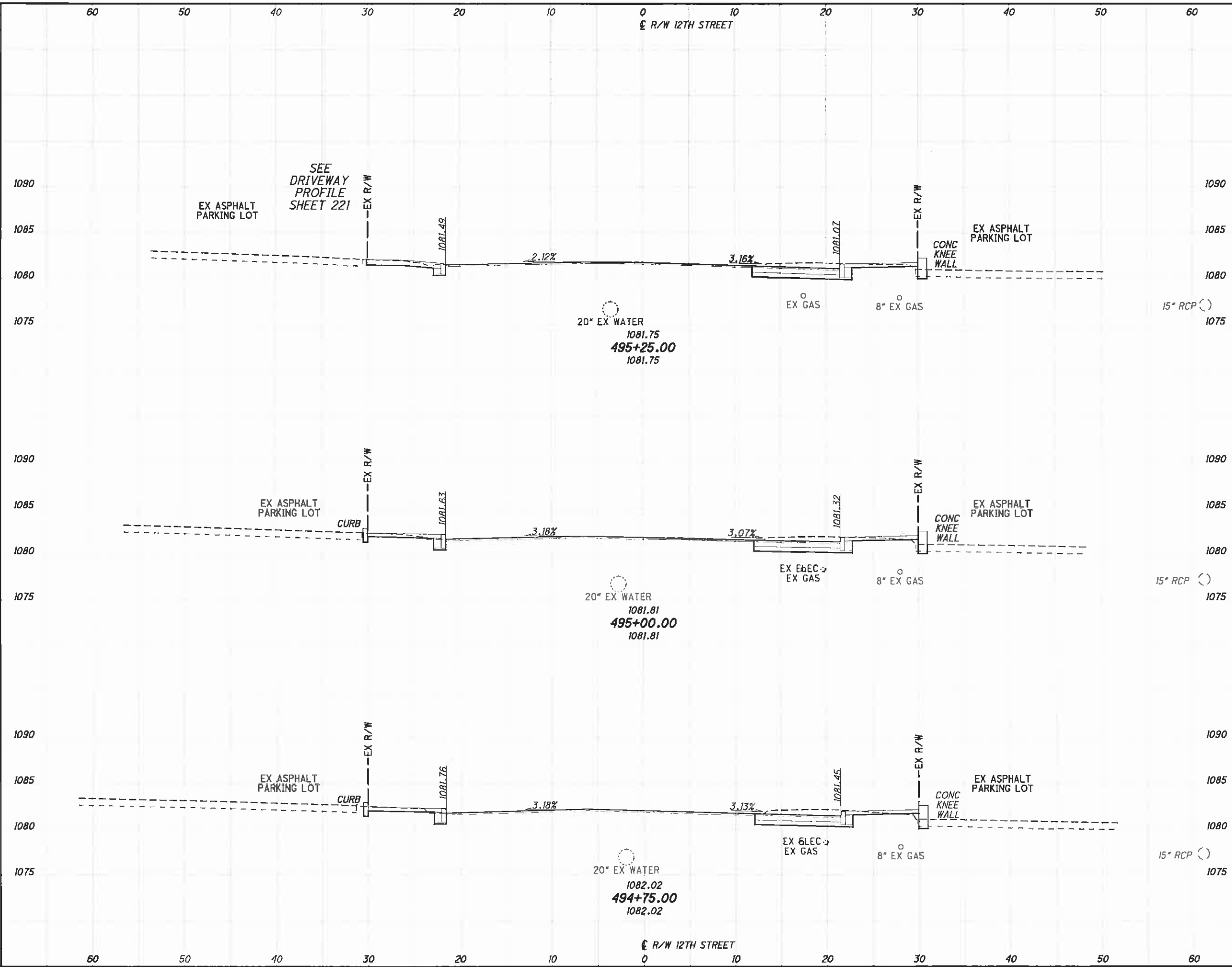


END STA.	AREA	VOLUME	
		CUT	FILL
1090			
1085			
1080			
1075			
1090			
1085			
1080			
1075			
1090			
1085			
1080			
1075			
1090			
1085			
1080			
1075			
1070			
1065			

CROSS SECTIONS - 12TH STREET  
 STA. 494+00.00 TO STA. 494+50.00  
 STA-12TH STREET  
 126  
 317

J:\15\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:36:01 PM dcbarnhart\ ODOT\YBI\_PDF\_Half.pltcfgr ODOT\YBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

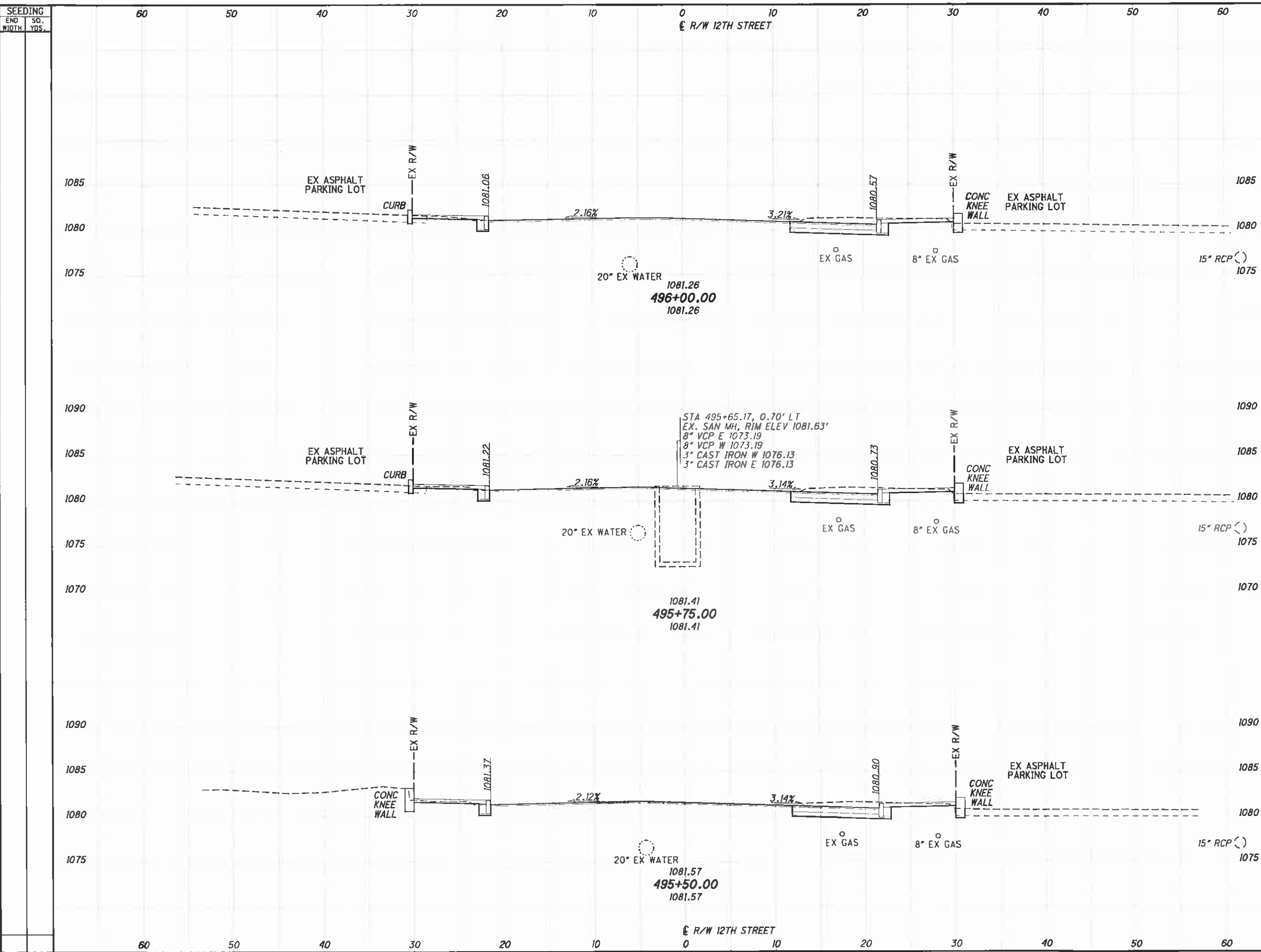


END AREA	VOLUME	CALCULATED		CHECKED
		CUT	FILL	

CROSS SECTIONS - 12TH STREET  
 STA. 494+75.00 TO STA. 495+25.00

STA-12TH STREET

J:\ATS\11-060\_12th Street\STA\85299\roadway\sheets\85299\S001.dgn 10/6/2011 3:36:03 PM dcbarhnr1 ODOT\Bi\_PDF\_half\_plt.ctb ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
END SO. WIDTH YDS.						

**CROSS SECTIONS - 12TH STREET**  
**STA. 495+50.00 TO STA. 496+00.00**

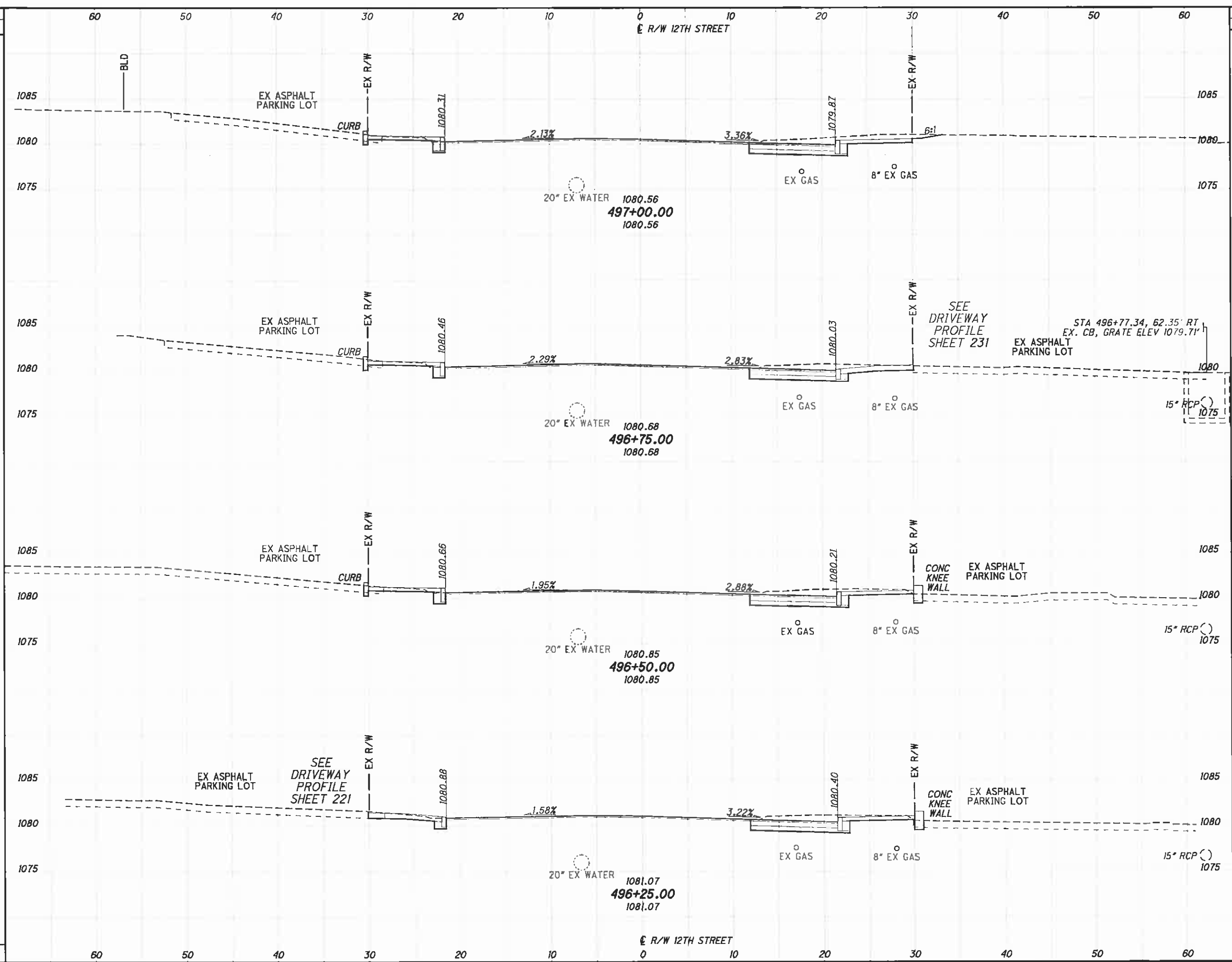
**STA-12TH STREET**

128  
317



J:\ATS\11-060\_12th\_Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:36:05 PM dcbarhart\ ODOTVBI\_PDF\_Half.plt\c\g ODOTVBI\_Pen-ME.tbl M-E Companies, Inc

SEEDING	
END WIDTH	SO. YOS.



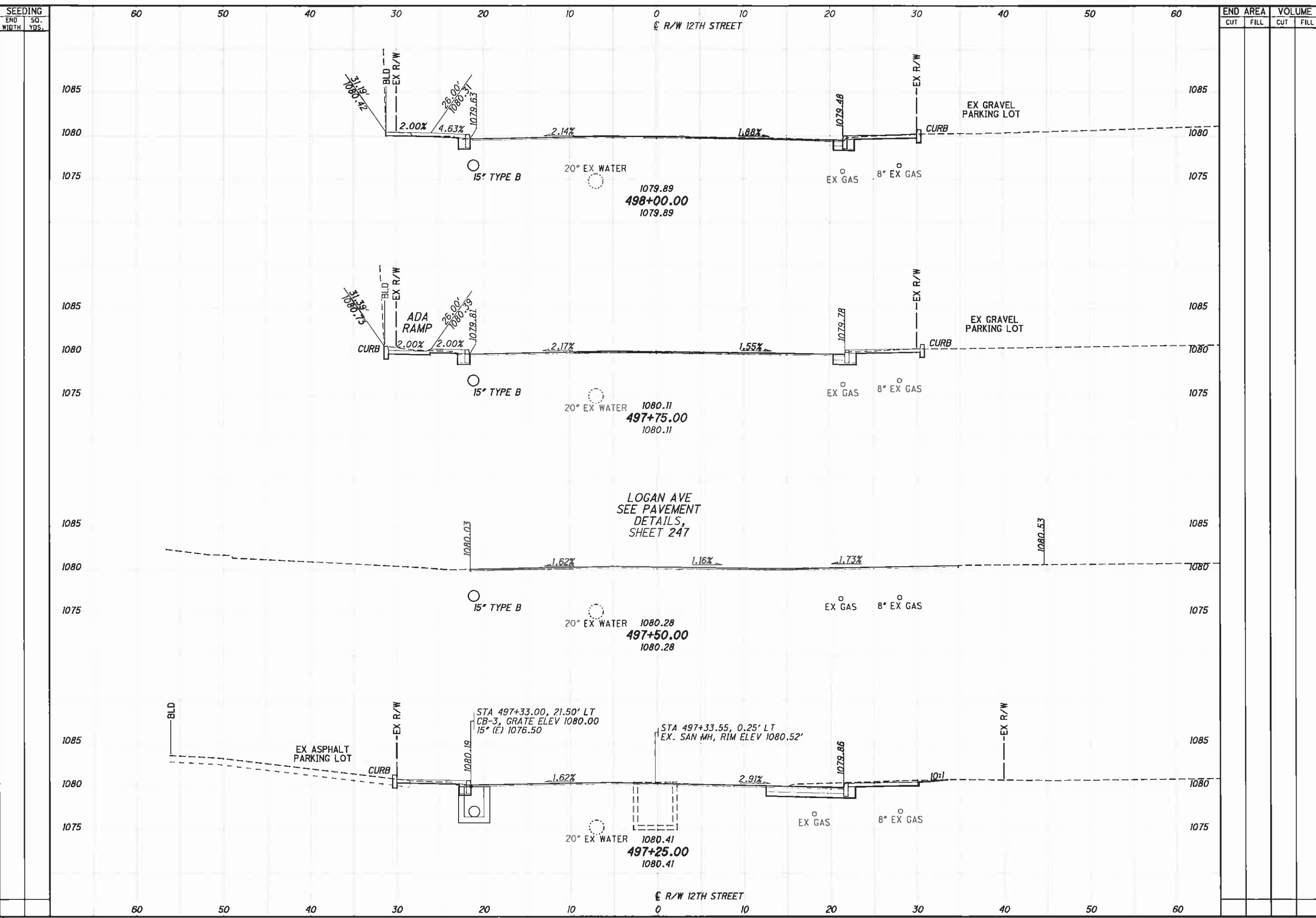
END AREA	VOLUME	CALCULATED	CHECKED

**CROSS SECTIONS - 12TH STREET**  
**STA. 496+25.00 TO STA. 497+00.00**

**STA-12TH STREET**

129  
 317

J:\15\11-060 12th Street\STA\B5299\roadway\sheet\85299XS001.dgn 10/6/2011 3:36:07 PM dcbarhart\ ODOTVBI\_PDF\_Half.plt c:\g\ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



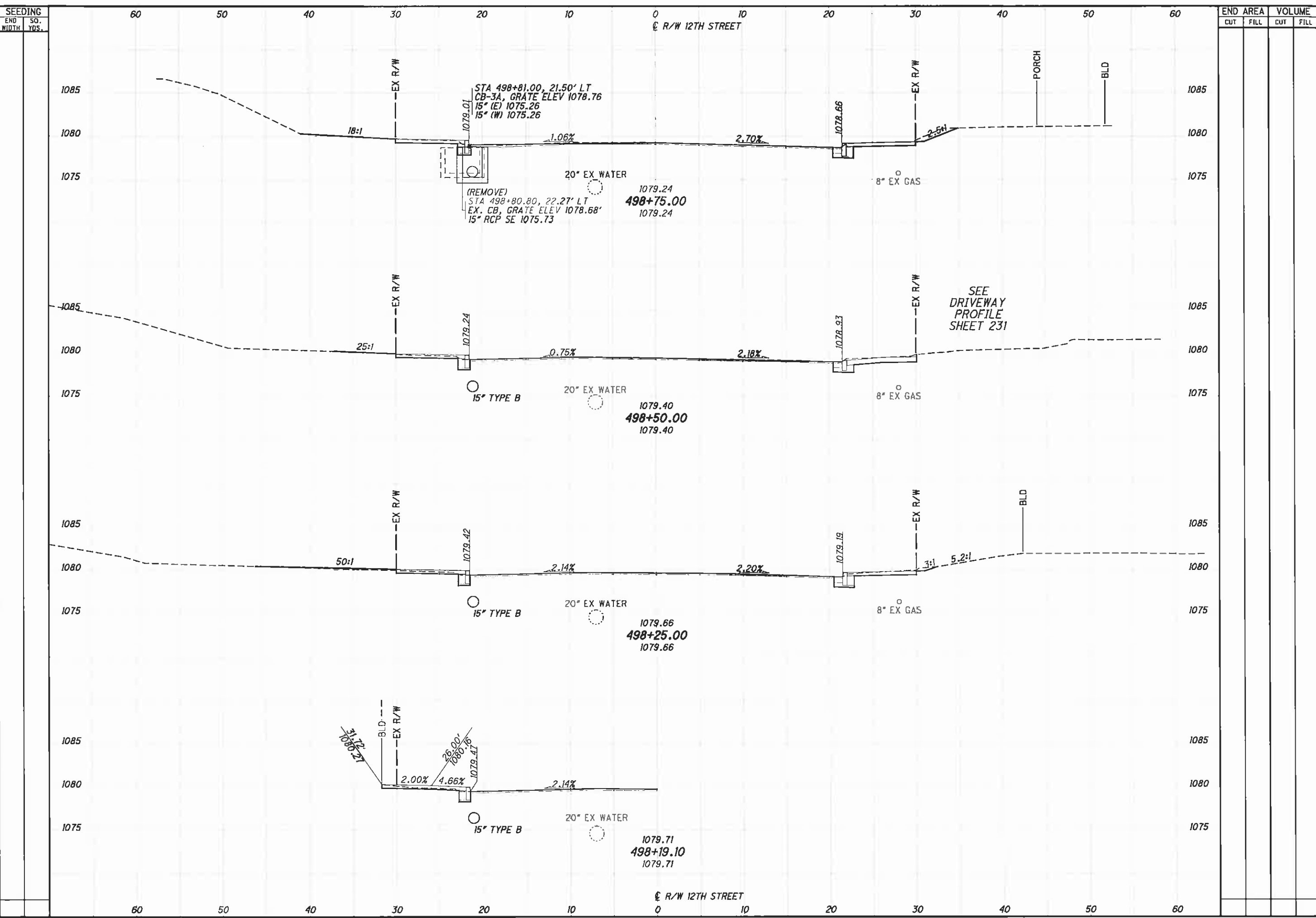
SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	END WIDTH	SO. YDS.	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 497+25.00 TO STA. 498+00.00

STA-12TH STREET

130  
317

J:\15\11\11-060\_12th\_Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:36:09 PM dcbarnhart ODOTVBI\_PDF\_Half.plt cfig ODOTVBI\_Per-ME.tbl M+E Companies, Inc.

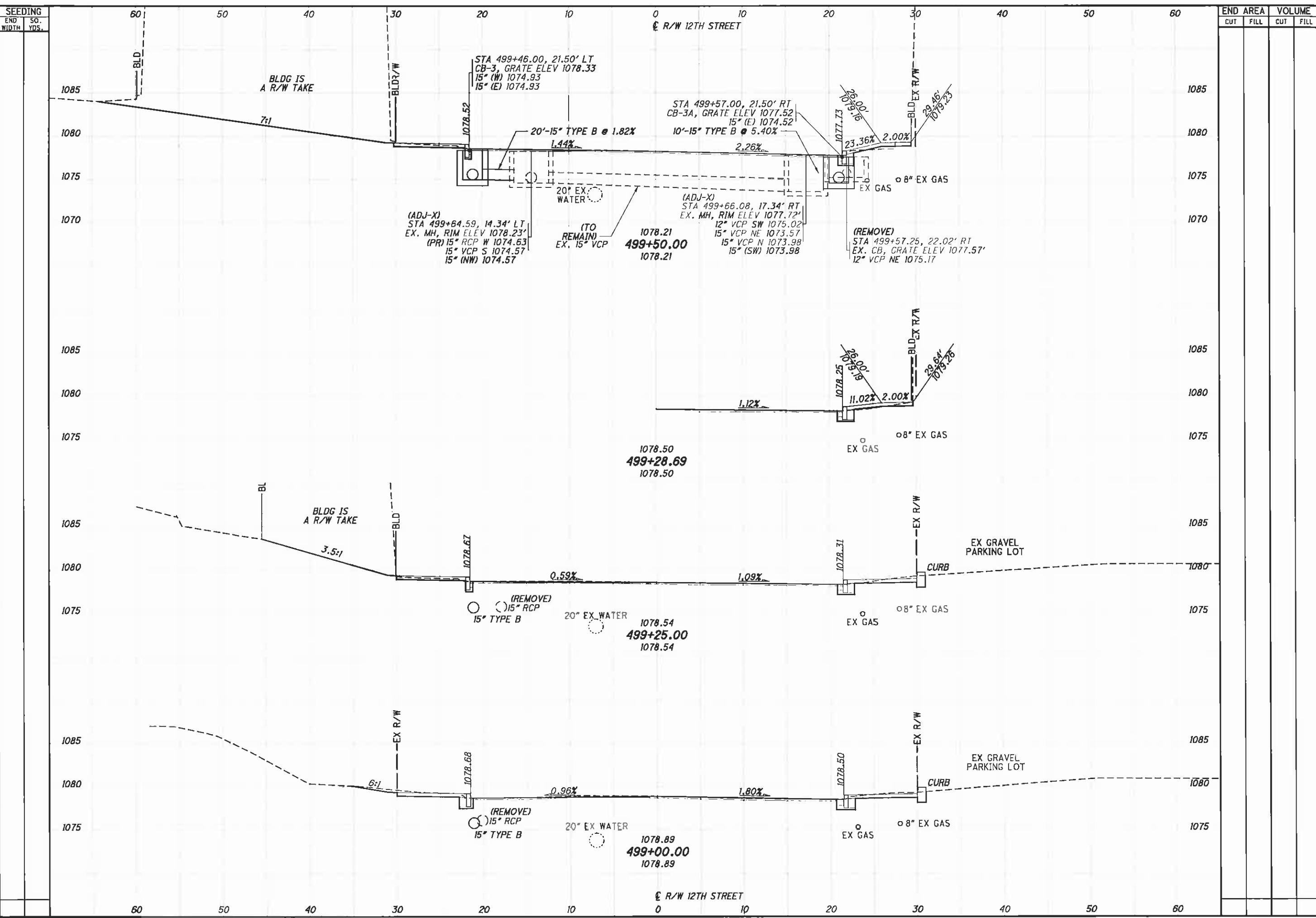


END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
498+75.00						
498+50.00						
498+19.10						

CROSS SECTIONS - 12TH STREET  
STA. 498+19.10 TO STA. 498+75.00

STA-12TH STREET

J:\15\11-060 12th Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:36:10 PM dcbarhart\ ODOTV81\_PDF\_Help\p1tcfg ODOTV81\_Pen-ME.tbl M-E Companies, Inc.

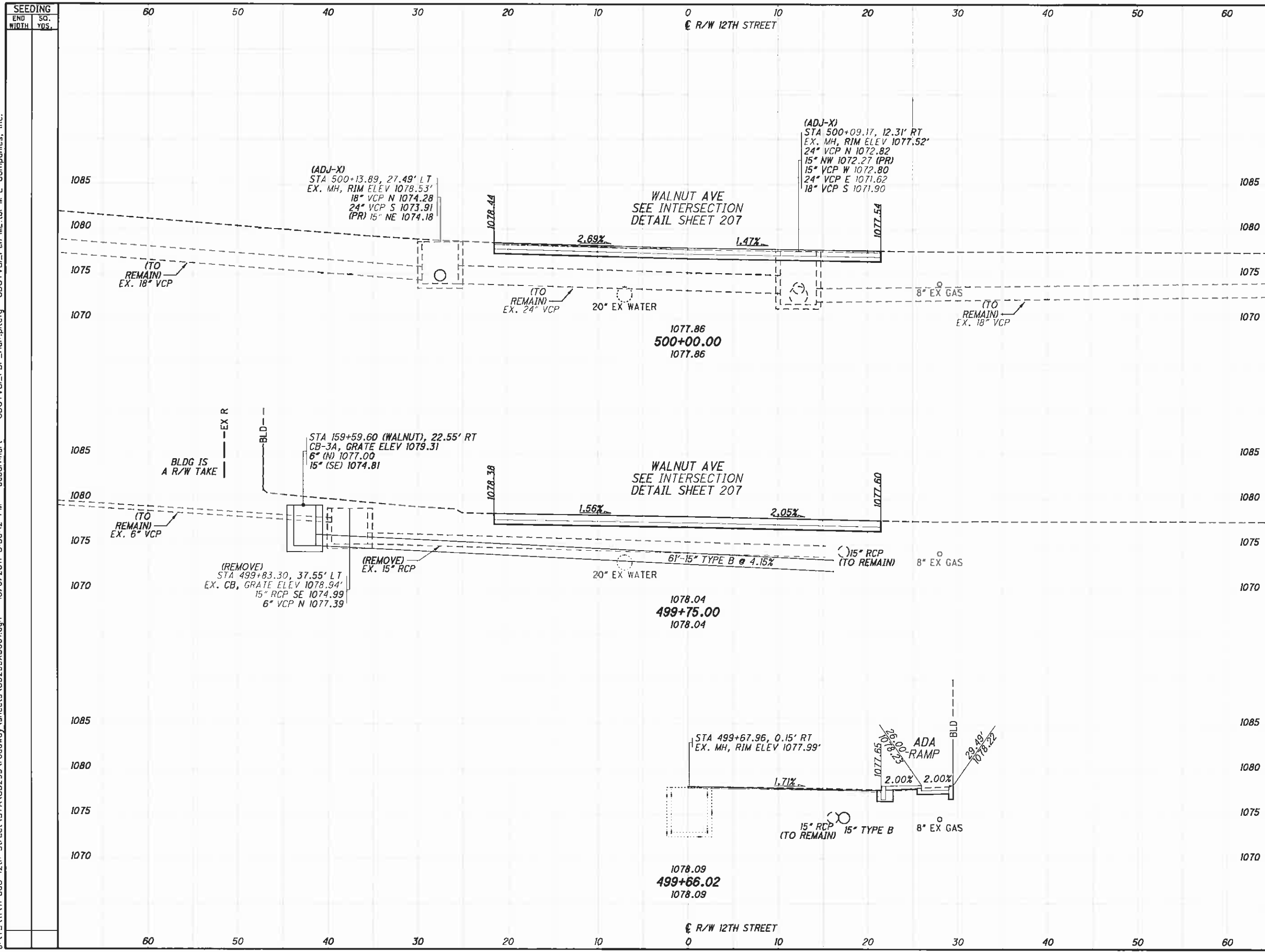


END STA	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
499+00.00						
499+25.00						
499+50.00						

CROSS SECTIONS - 12TH STREET  
STA. 499+00.00 TO STA. 499+50.00

STA-12TH STREET

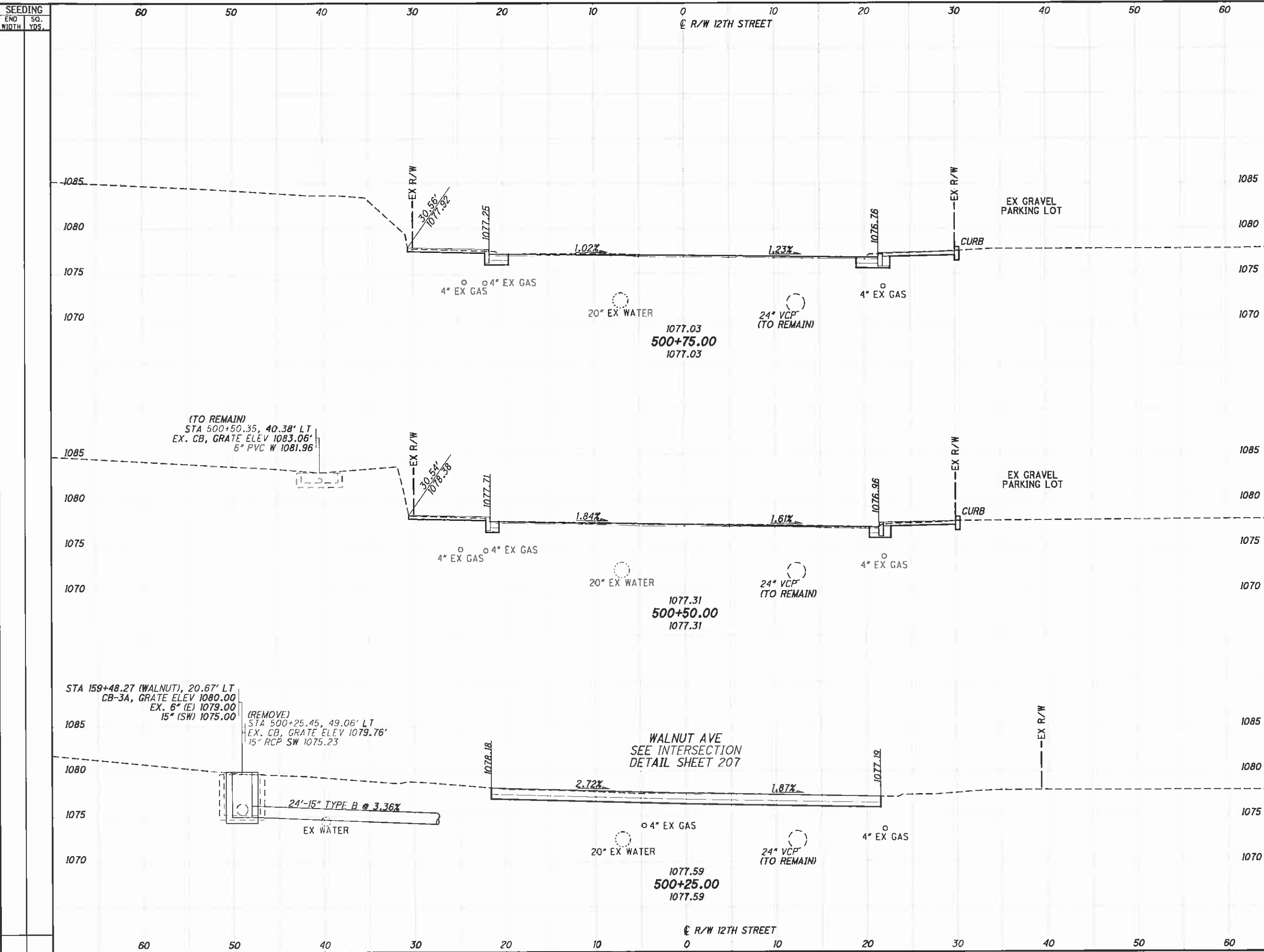
J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:36:12 PM dcbarrrh\1 ODOT\B\Pen-ME\bl M-E Companies, Inc. ODOT\B\Pen-ME\bl M-E Companies, Inc.



END STA	AREA	VOLUME	
		CUT	FILL
500+00.00			
499+75.00			
499+66.02			

CROSS SECTIONS - 12TH STREET  
 STA. 499+66.02 TO STA. 500+00.00  
 STA-12TH STREET  
 133  
 317

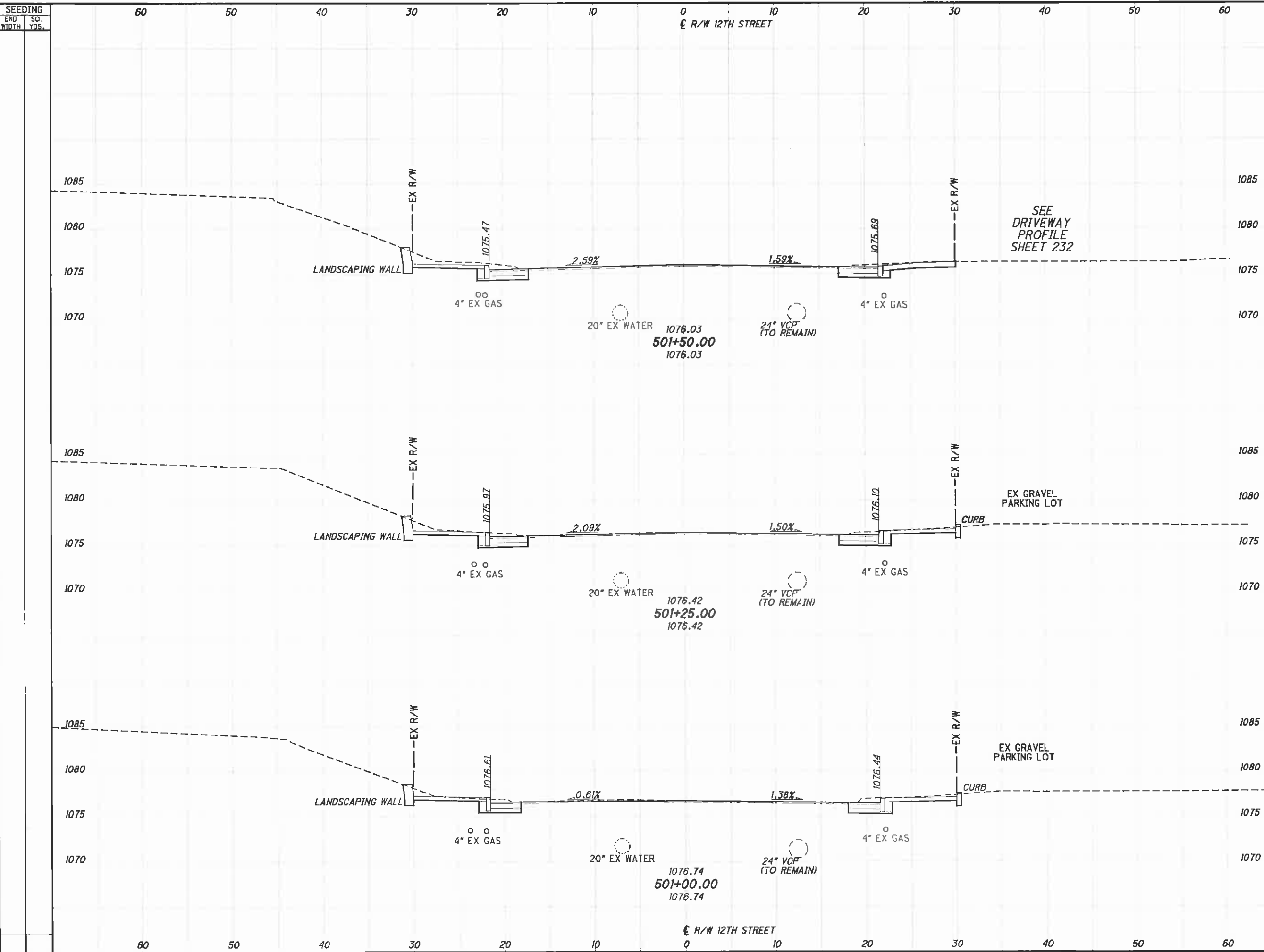
J:\ATS\11-060\_12th\_Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:36:14 PM dcbarhart ODOTVBI\_PDF\_Hoif.plcfig ODOTVBI\_Per-ME.tbl M-E Companies, Inc.



END STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
50+00				
50+25				
50+50				
50+75				

**CROSS SECTIONS - 12TH STREET**  
**STA. 500+25.00 TO STA. 500+75.00**  
**STA-12TH STREET**  
 134  
 317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:36:16 PM dcbarhart ODOTV81\_PDF\_Hatf.pltcf ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



END CUT	AREA CUT	AREA FILL	VOLUME		CALCULATED	CHECKED
			CUT	FILL		

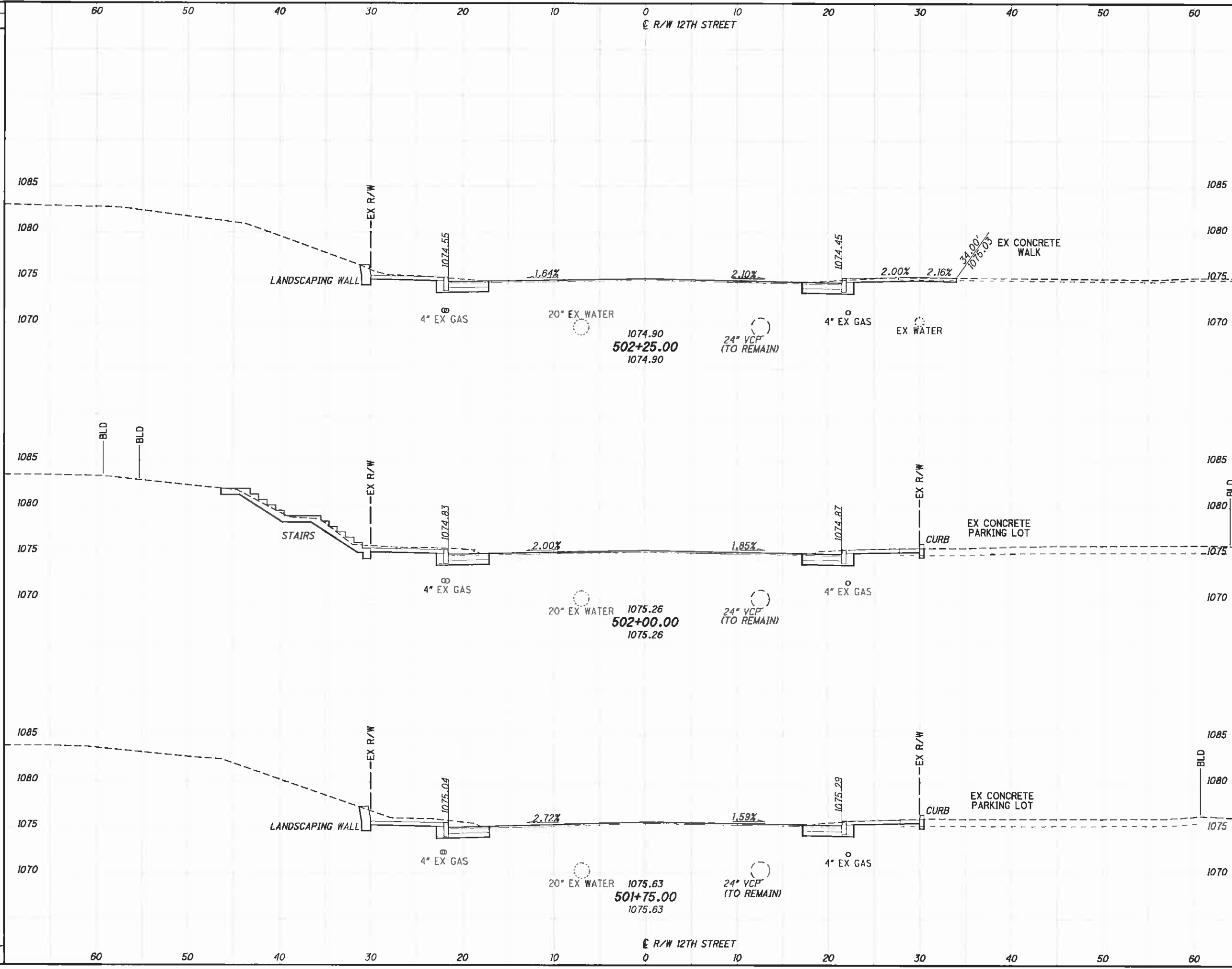
CROSS SECTIONS - 12TH STREET  
STA. 501+00.00 TO STA. 501+50.00

STA-12TH STREET

135  
317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299KS001.dgn 10/6/2011 3:36:17 PM dcbarhart ODOT\BI\_PDF\_Half.plt cfg ODOT\BI\_Pan-ME.tbl M-E Companies, Inc.

SEEDING	
END	SQ.
WIDTH	YDS.



END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

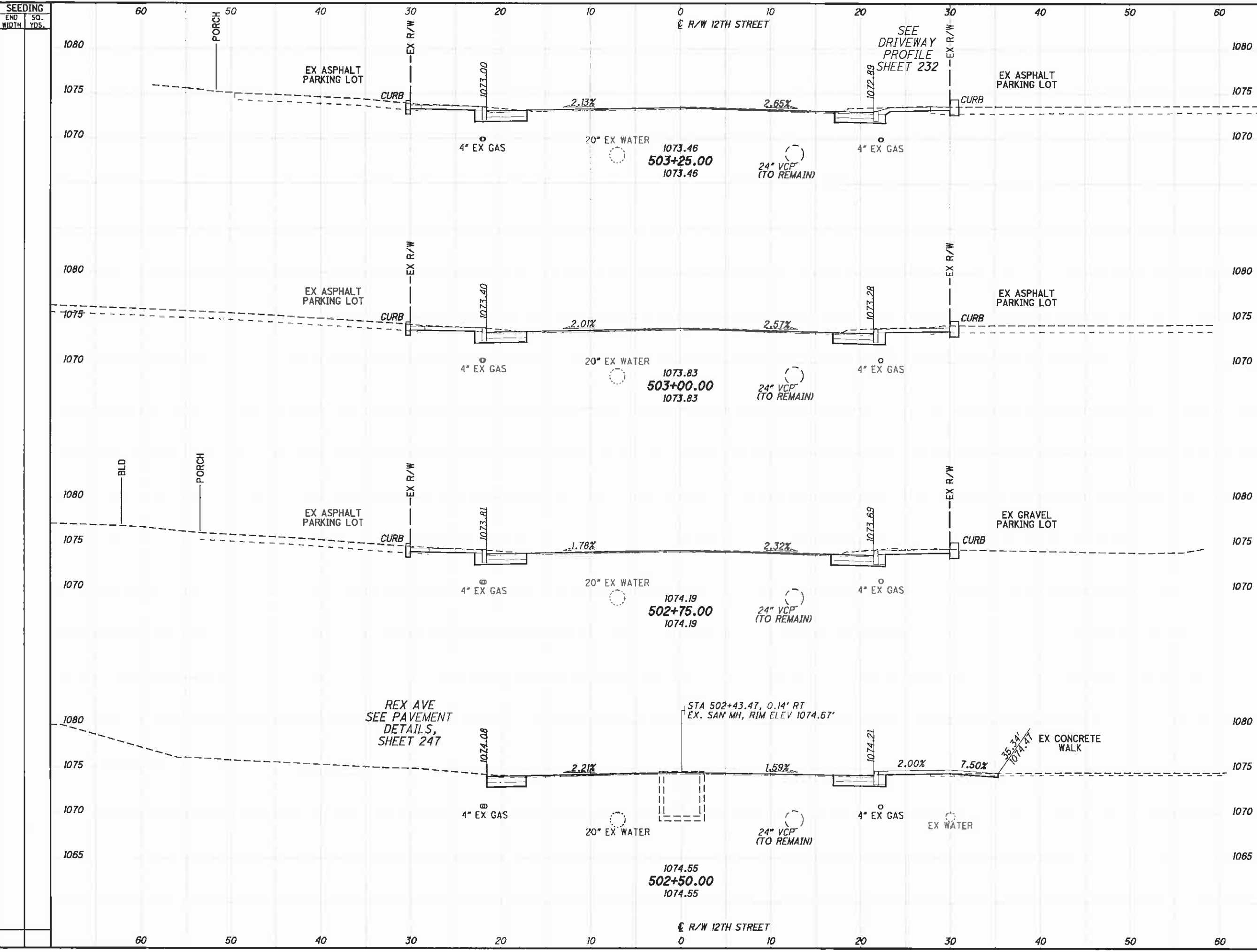
CROSS SECTIONS - 12TH STREET  
STA. 501+75.00 TO STA. 502+25.00

STA-12TH STREET

136  
317



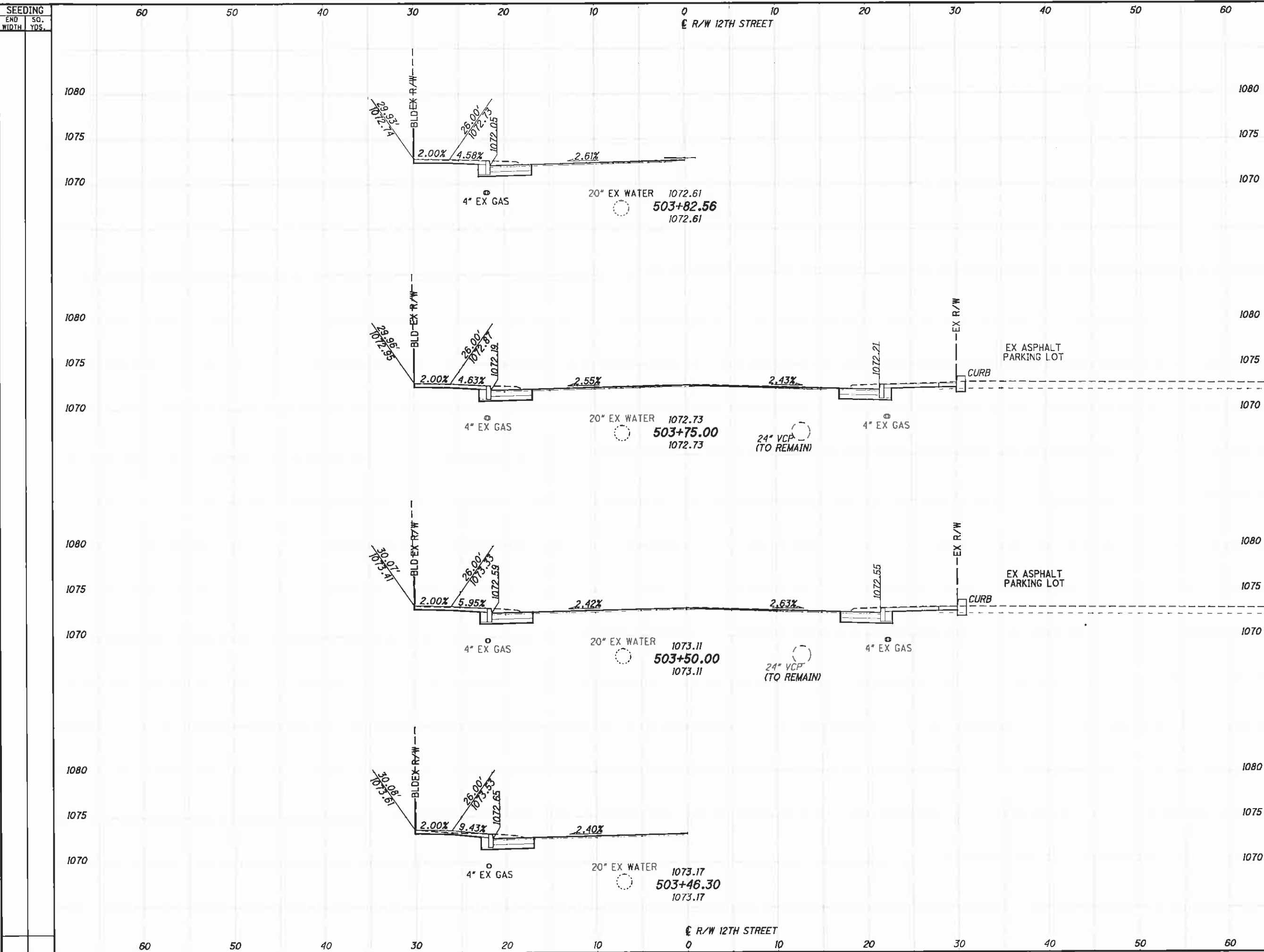
J:\TS\111-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:36:19 PM dcbarhart ODOT\BI\_PDF\_Half.plt cfig ODOT\BI\_Pan-ME.tbl M-E Companies, Inc.



END STA.	AREA		VOLUME	
	CUT	FILL	CUT	FILL
503+25.00				
503+00.00				
502+75.00				
502+50.00				

CROSS SECTIONS - 12TH STREET  
 STA. 502+50.00 TO STA. 503+25.00  
 STA-12TH STREET  
 137  
 317

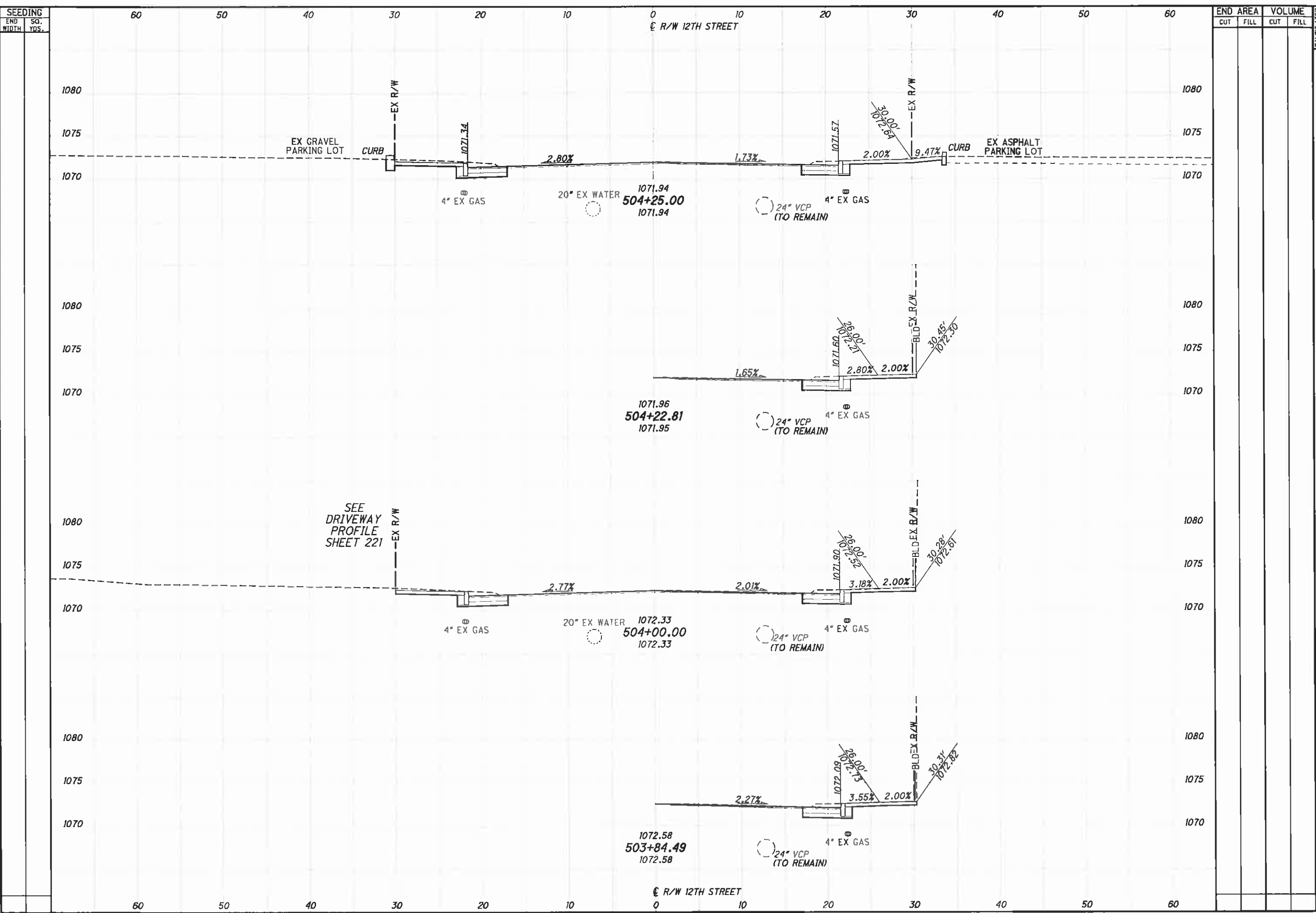
J:\TS\11-060\_12th Street\STA\85299\roadway\sheets\85299XSD01.dgn 10/6/2011 3:36:21 PM dcbarhart ODOTVBI\_PDF\_Half.plt c:\p\m-e\companies, inc. ODOTVBI\_PDF\_Half.plt



END STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
503+82.56				
503+75.00				
503+50.00				
503+46.30				

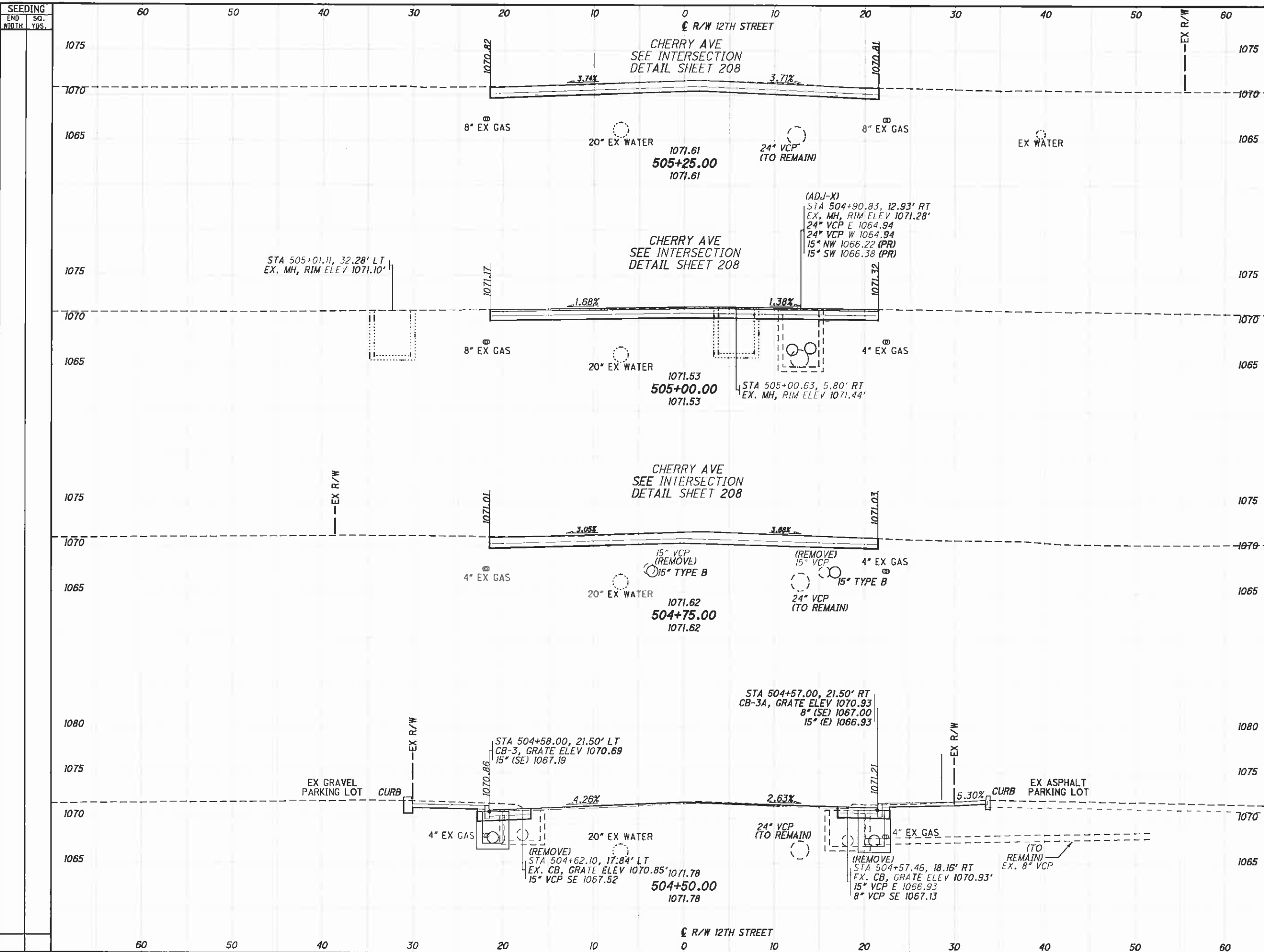
**CROSS SECTIONS - 12TH STREET**  
**STA. 503+46.30 TO STA. 503+82.56**  
**STA - 12TH STREET**

J:\T5\11\11-060\_12th\_Street\STA\85299\roadway\sheets\85299X5001.dgn 10/6/2011 3:36:23 PM dcbornhart\ ODOTVBI\_PDF\_Half\_pitctg ODOTVBI\_Pen-ME.tbj M-E Companies, Inc.



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
END WIDTH						
SO. YDS.						
60						
50						
40						
30						
20						
10						
0						
10						
20						
30						
40						
50						
60						
R/W 12TH STREET						
1080						
1075						
1070						
1080						
1075						
1070						
1080						
1075						
1070						
1080						
1075						
1070						
1080						
1075						
1070						
1080						
1075						
1070						
R/W 12TH STREET						
CROSS SECTIONS - 12TH STREET STA. 503+84.49 TO STA. 504+25.00						
STA-12TH STREET						
139 317						

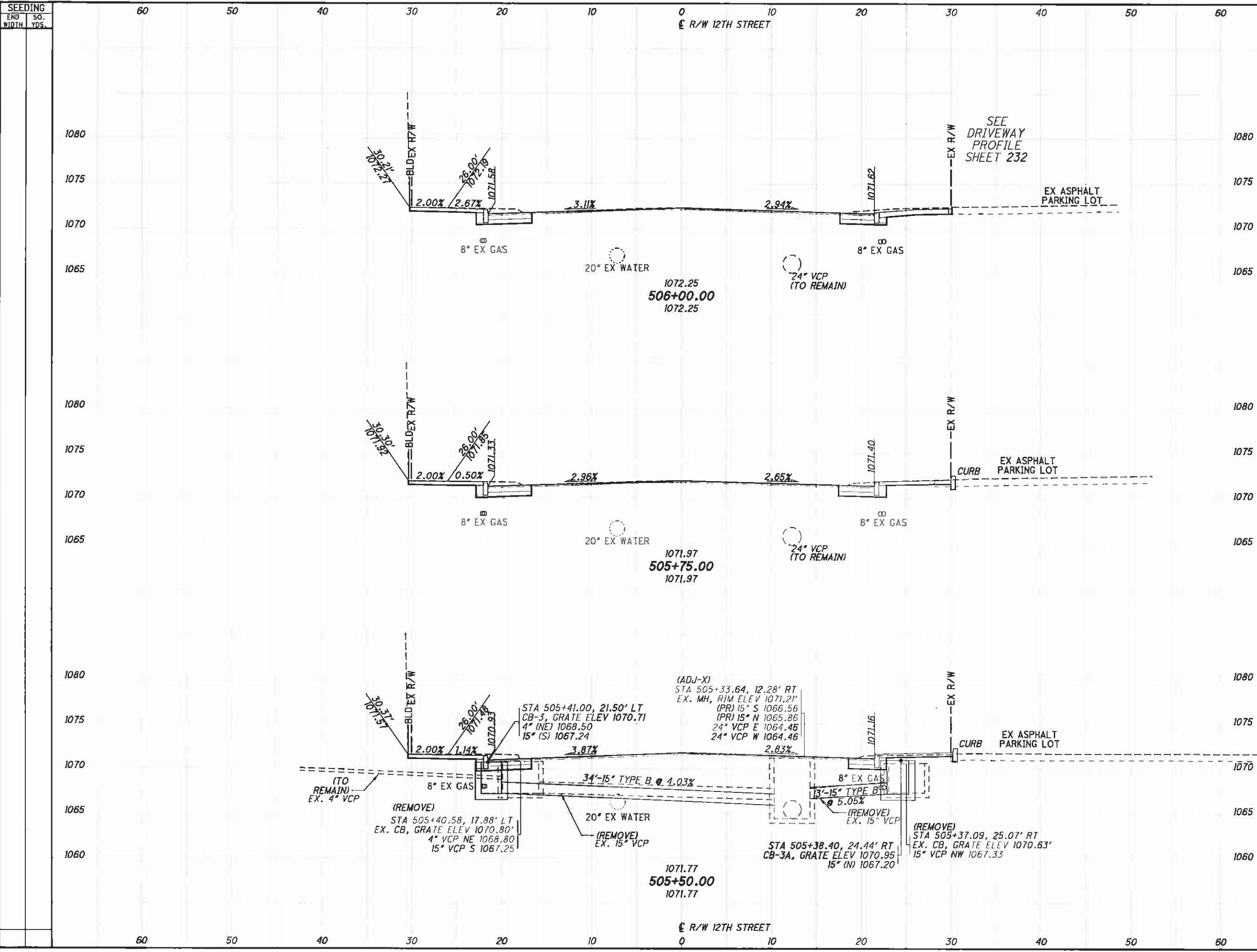
J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:36:25 PM dcbarrh@1' ODOTVBI\_PDF\_Half.plt c:\g ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
504+50.00				
505+25.00				

**CROSS SECTIONS - 12TH STREET**  
**STA. 504+50.00 TO STA. 505+25.00**  
**STA-12TH STREET**  
 140  
 317

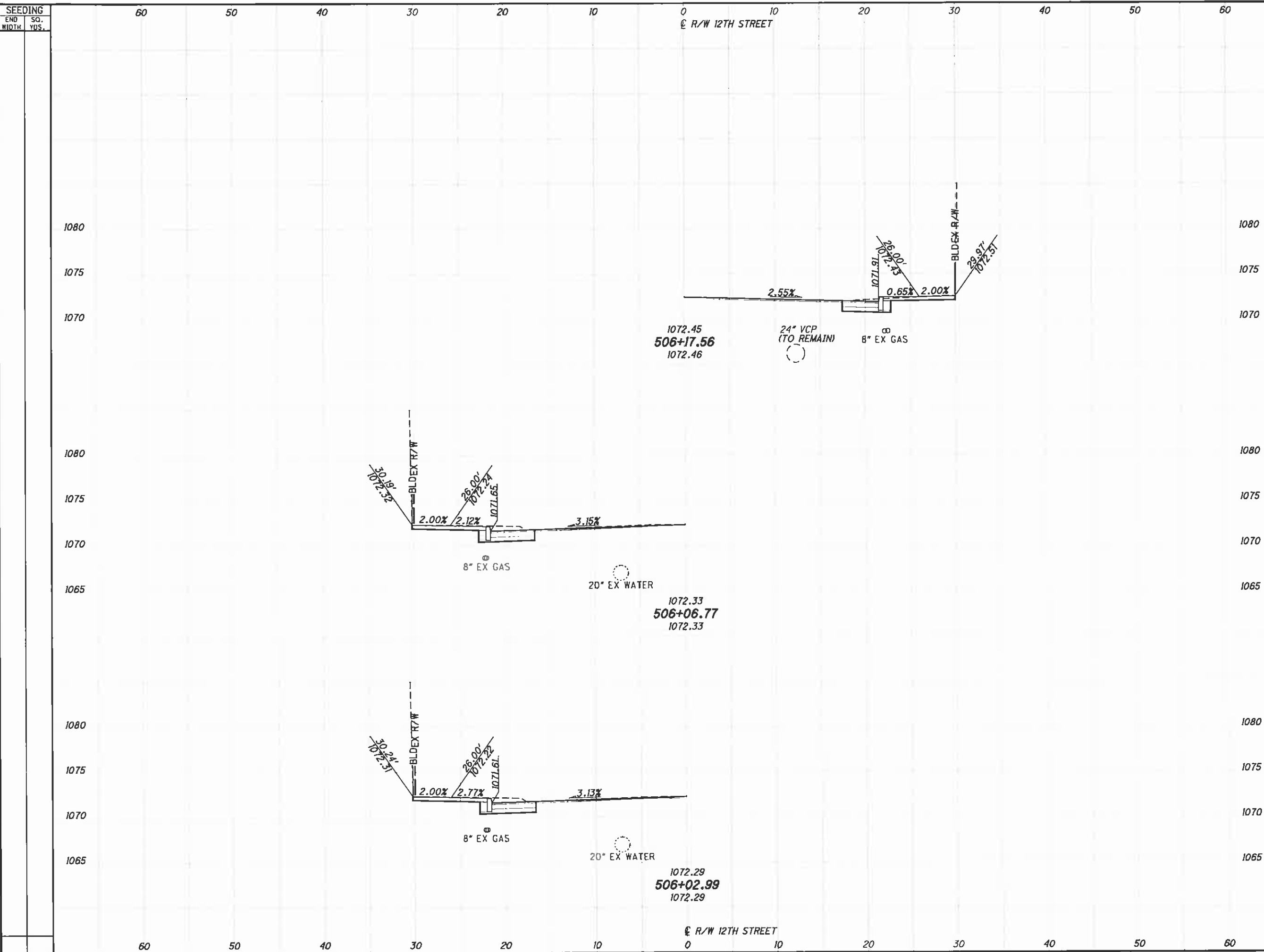
J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:36:26 PM dcbarhart\ ODOTVBI\_PDF\_Half.plt cfg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



END SO. WIDTH	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
60						
50						
40						
30						
20						
10						
0						
10						
20						
30						
40						
50						
60						

**CROSS SECTIONS - 12TH STREET**  
**STA. 505+50.00 TO STA. 506+00.00**  
**STA-12TH STREET**  
 141  
 317

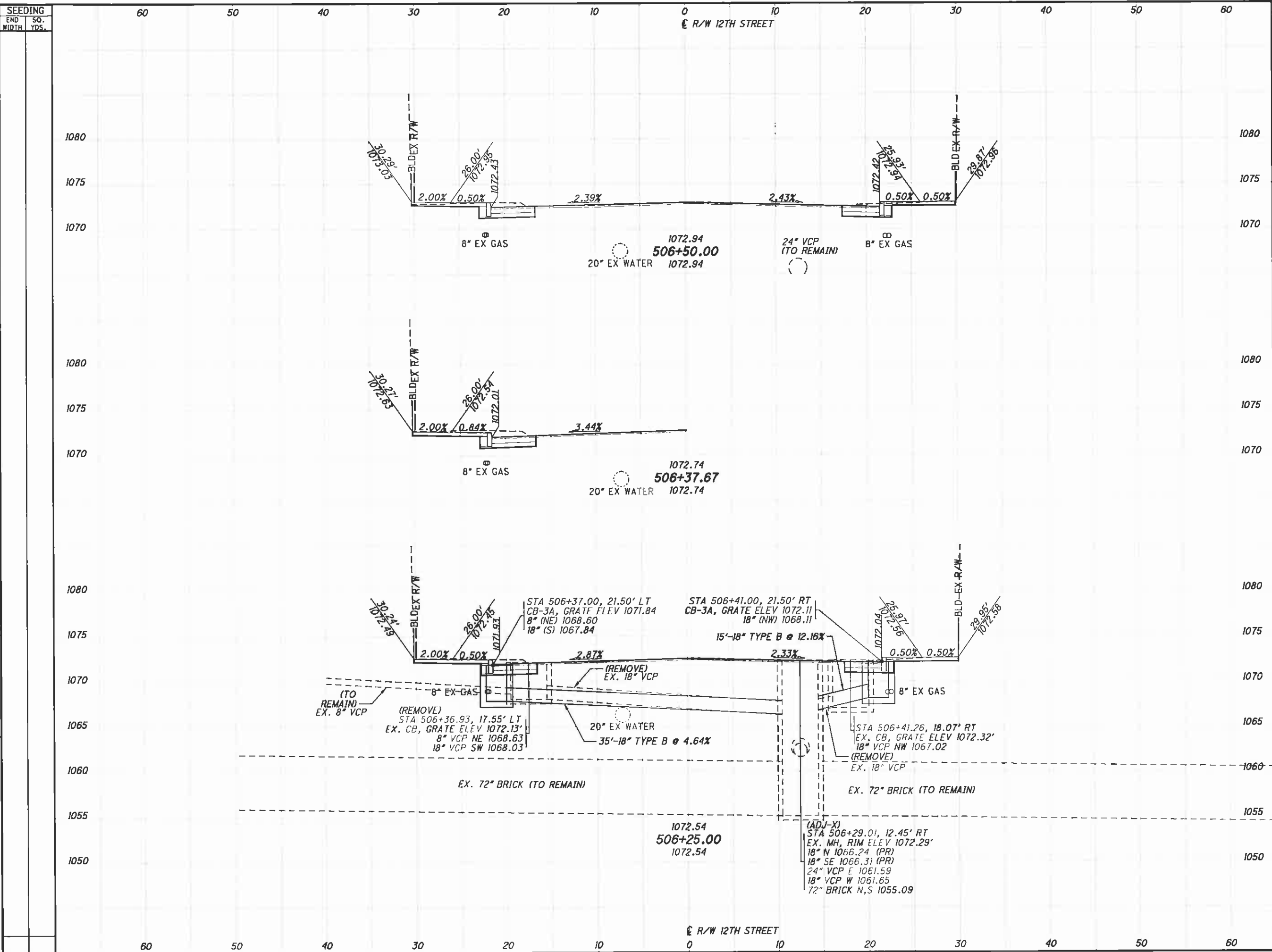
J:\TS\11-060\_12th Street\STA 5299\roadway\sheets\5299XS001.dgn 10/6/2011 3:36:28 PM dcbarharr L' ODOTV81\_PDF\_Hair.pltcfq ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



END	AREA		VOLUME	
	CUT	FILL	CUT	FILL

**CROSS SECTIONS - 12TH STREET**  
**STA. 506+02.99 TO STA. 506+17.56**

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299S001.dgn 10/6/2011 3:36:30 PM dcbarhart\ ODOTVBI\_PDF\_Half.plt.cfg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

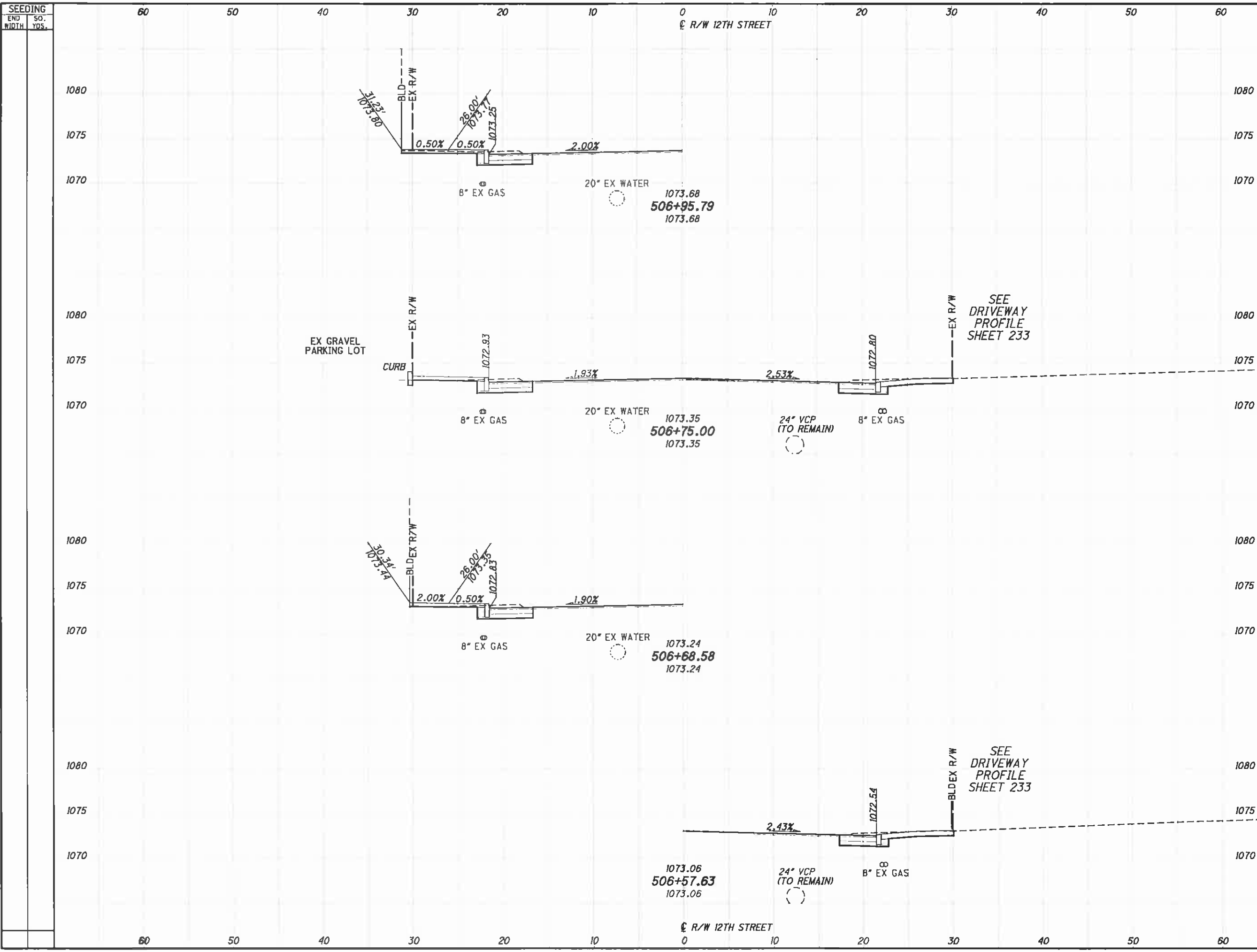


END STA	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
506+25.00						
506+50.00						

CROSS SECTIONS - 12TH STREET  
STA. 506+25.00 TO STA. 506+50.00

STA - 12TH STREET

J:\TS\111-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:36:32 PM dcbarhart\ ODOTVBI\_PDF\_Half.plt c:\g\odot\dot\vi\bi\m-e\companies, inc.



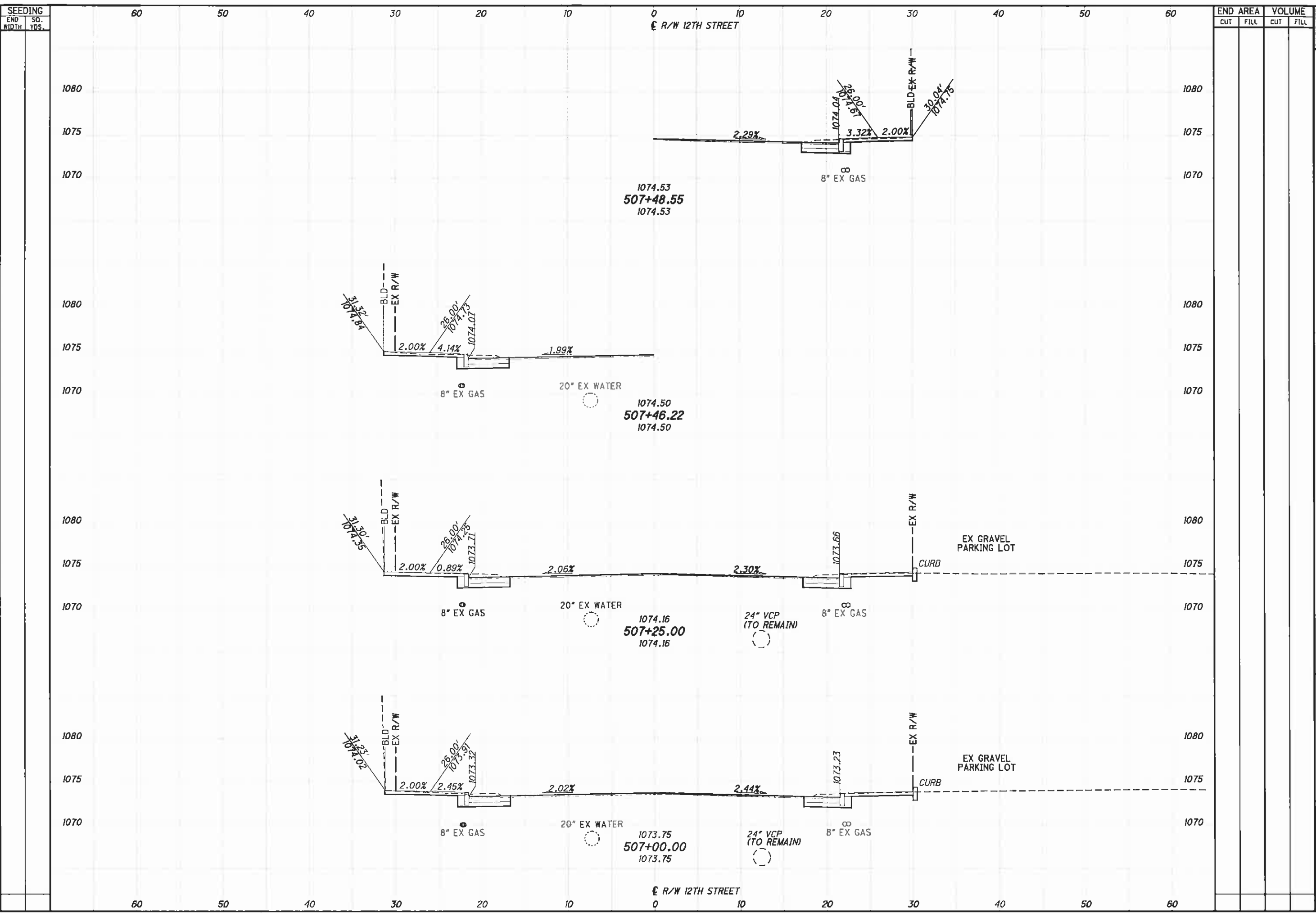
STATION	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
506+57.63						
506+68.58						
506+75.00						
506+85.00						
506+95.79						

**CROSS SECTIONS - 12TH STREET**  
**STA. 506+57.63 TO STA. 506+95.79**

**STA-12TH STREET**



J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:36:34 PM dcbarrhart ODOTVBI\_PDF\_Half.plt cfbg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
END WIDTH						
SO. YDS.						

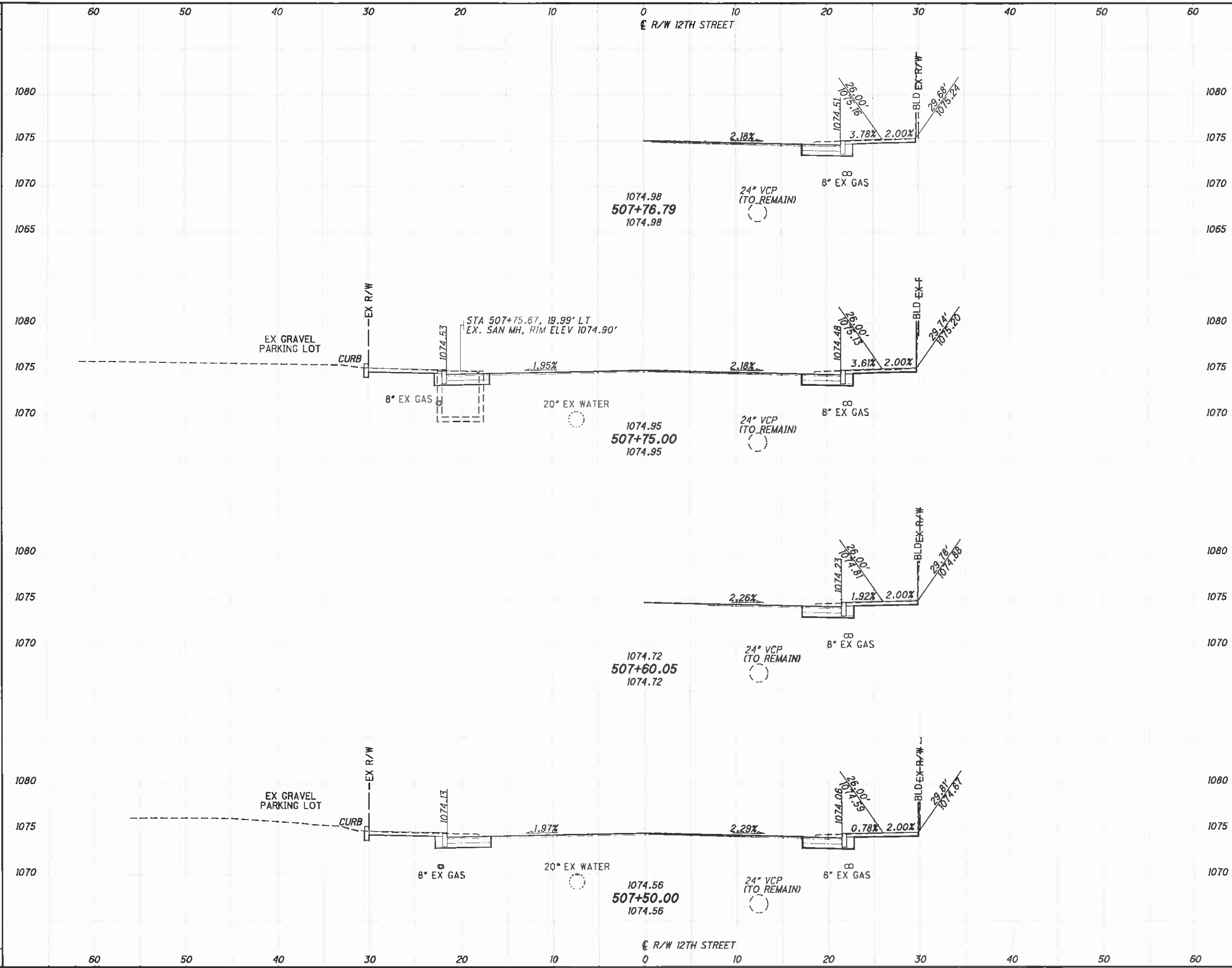
CROSS SECTIONS - 12TH STREET  
STA. 507+00.00 TO STA. 507+48.55

STA-12TH STREET

145  
317

J:\NTS\11-060 12th Street\STA.B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:36:35 PM dcbarhart ODOTVBI\_PDF\_Half.plt c:\g\ODOTVBI\_Pen-ME.lbt M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.



END AREA	VOLUME	CALCULATED	CHECKED

CROSS SECTIONS - 12TH STREET  
STA. 507+50.00 TO STA. 507+76.79

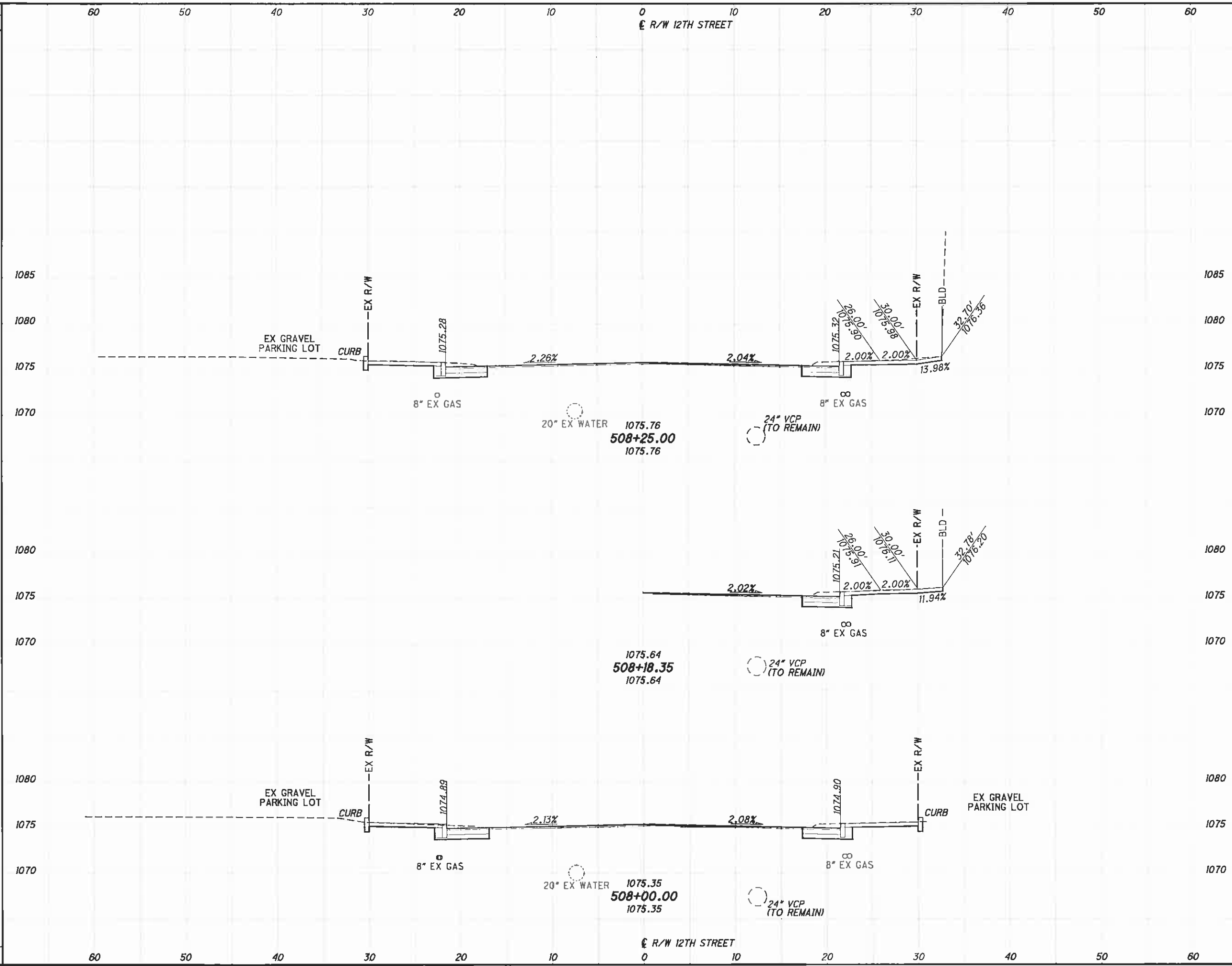
STA-12TH STREET

J:\15\11\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:36:37 PM dcbarnhar\ ODOTV8i\_PDF\_Half.plt c:\g\ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

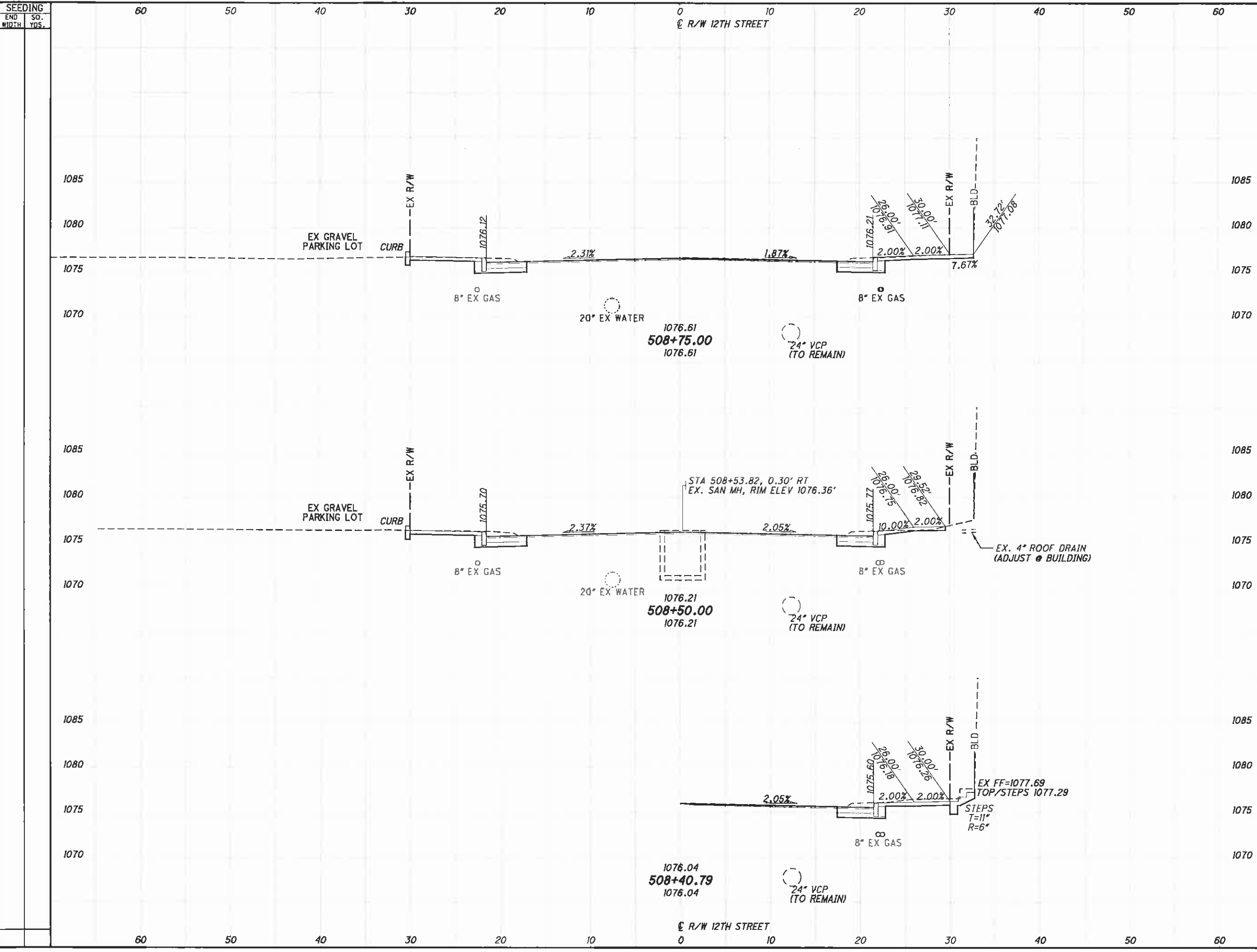
CALCULATED	CHECKED
------------	---------



CROSS SECTIONS - 12TH STREET  
 STA. 508+00.00 TO STA. 508+25.00

STA-12TH STREET

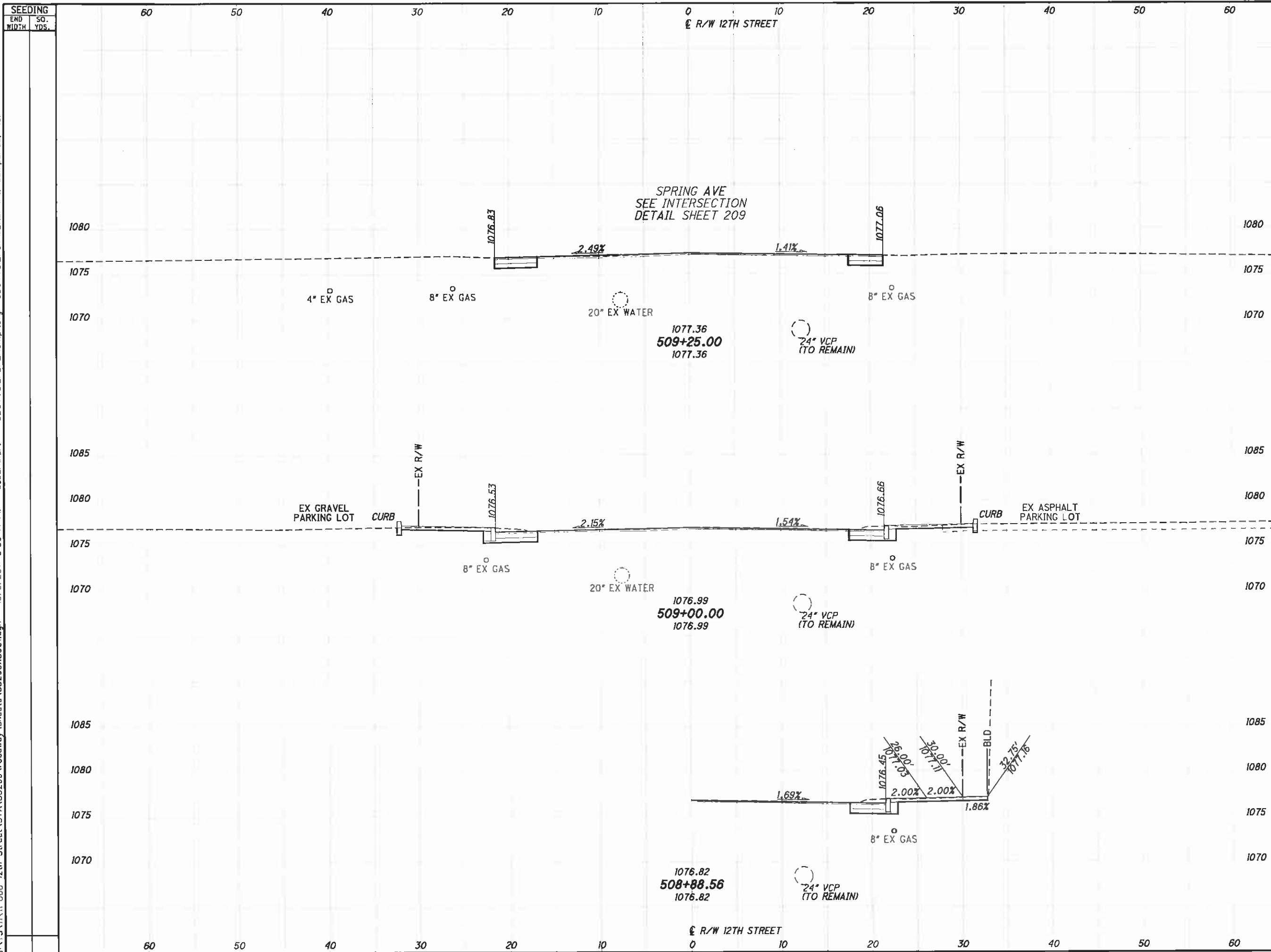
J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:36:39 PM dcbarhart ODOT\B\PDF\_Half.plt c:\g\DOT\B\Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

**CROSS SECTIONS - 12TH STREET**  
**STA. 508+40.79 TO STA. 508+75.00**  
**STA-12TH STREET**  
 148  
 317

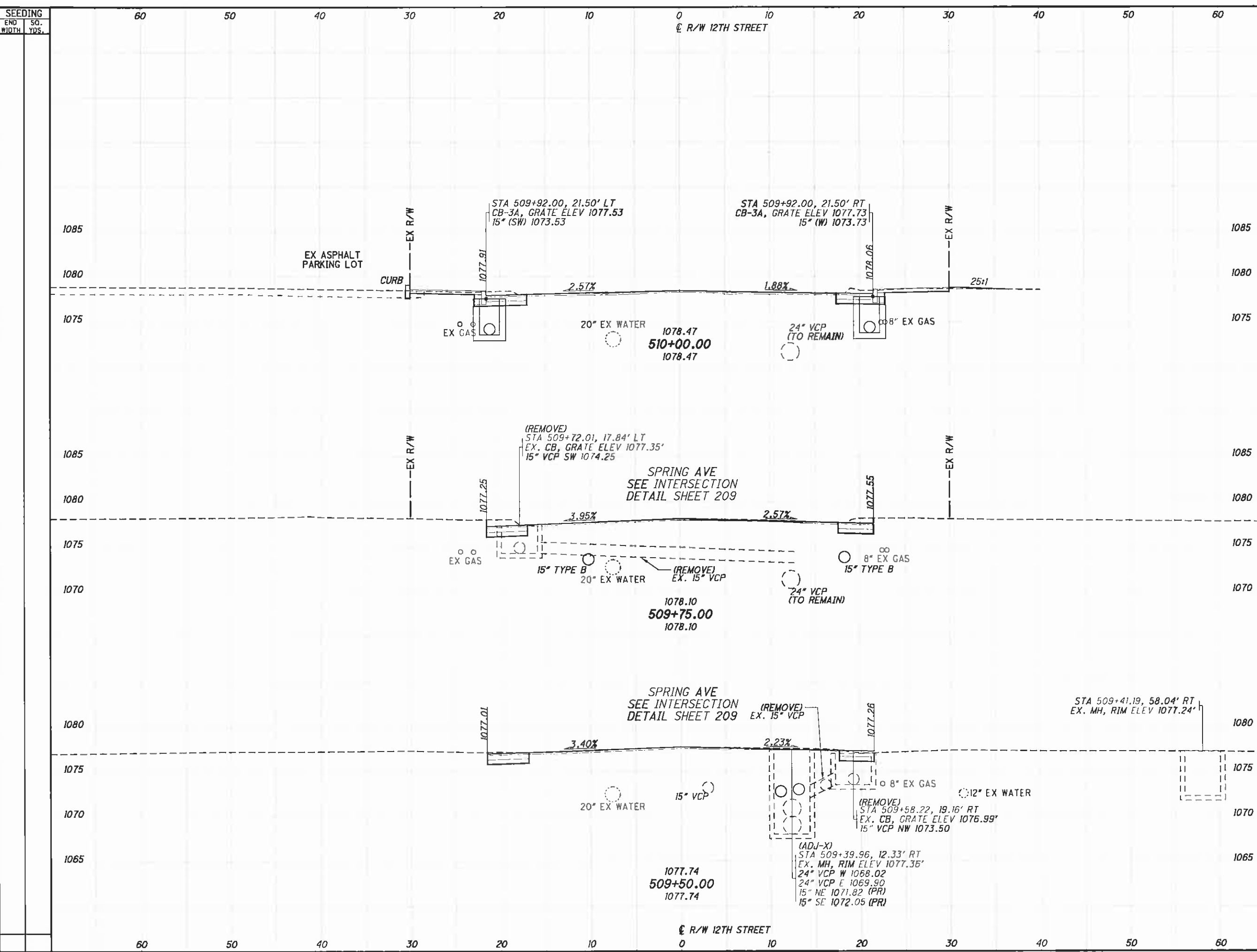
J:\TSA\11-060 12th Street\STA\B5299\roadway\sheets\B5299XS001.dgn 10/6/2011 3:36:41 PM dcbarnhart\ ODOTV81\_PDF\_Harf.pltcfgr ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
508+88.56				
509+00.00				
509+25.00				

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 508+88.56 TO STA. 509+25.00**

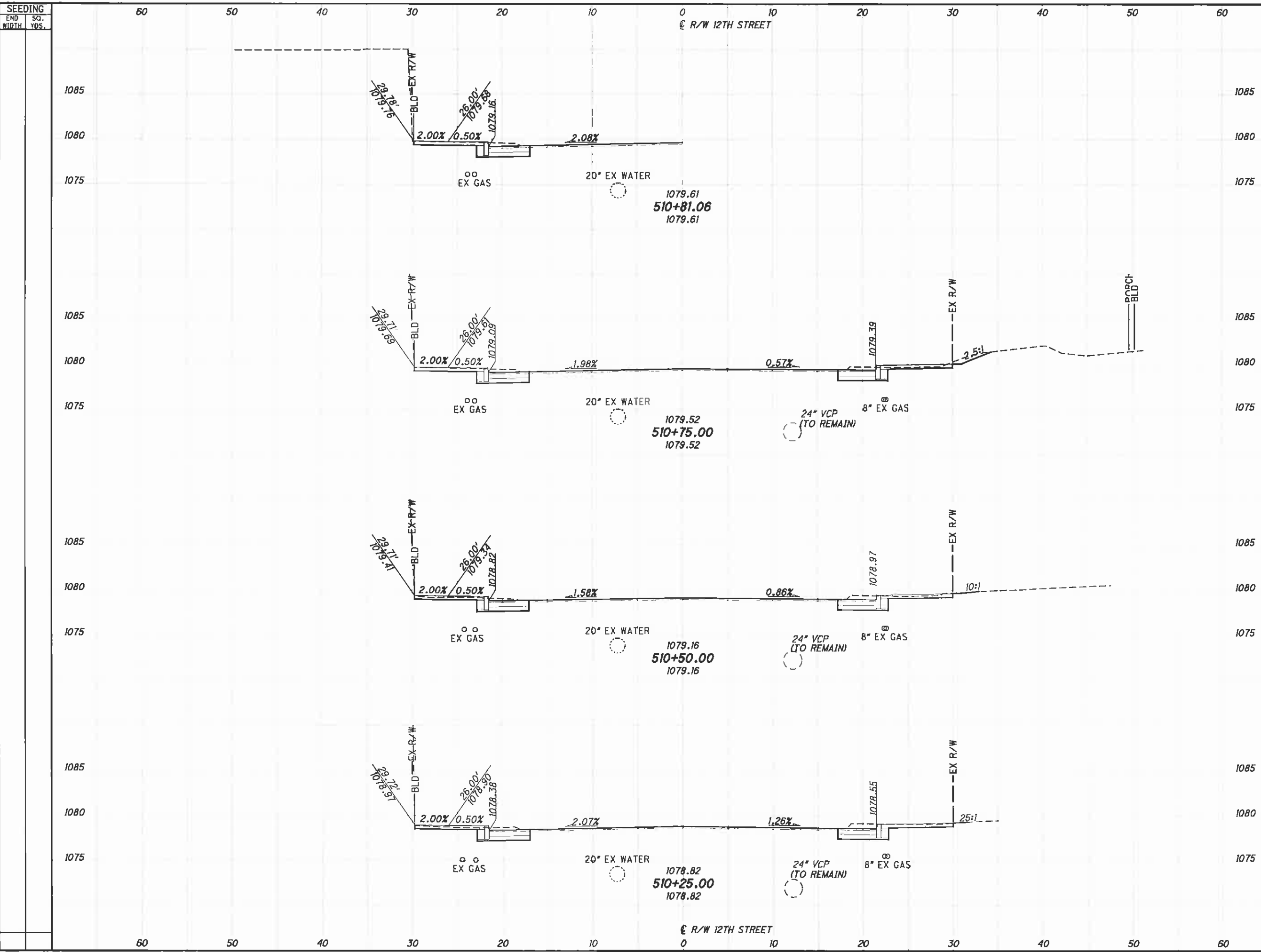
J:\ATS\11-060 12th Street\STA\85299\Roadway\sheet\85299x5001.dgn 10/6/2011 3:36 42 PM dcbarnhart ODOTV8i\_PDF\_Half\_pitcfg ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
509+00.00				
510+00.00				
509+75.00				
509+85.00				
509+50.00				
509+60.00				

**12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 509+50.00 TO STA. 510+00.00**

J:\TS\111-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:36:44 PM dcbarrhart ODOT\81\_PDF\_half.plt cfg ODOT\81\_Pen-ME.tbl M-E Companies, Inc.



END WIDTH	AREA CUT	AREA FILL	VOLUME	
			CUT	FILL
60				
50				
40				
30				
20				
10				
0				
10				
20				
30				
40				
50				
60				

SEEDING  
END WIDTH SQ. YDS.

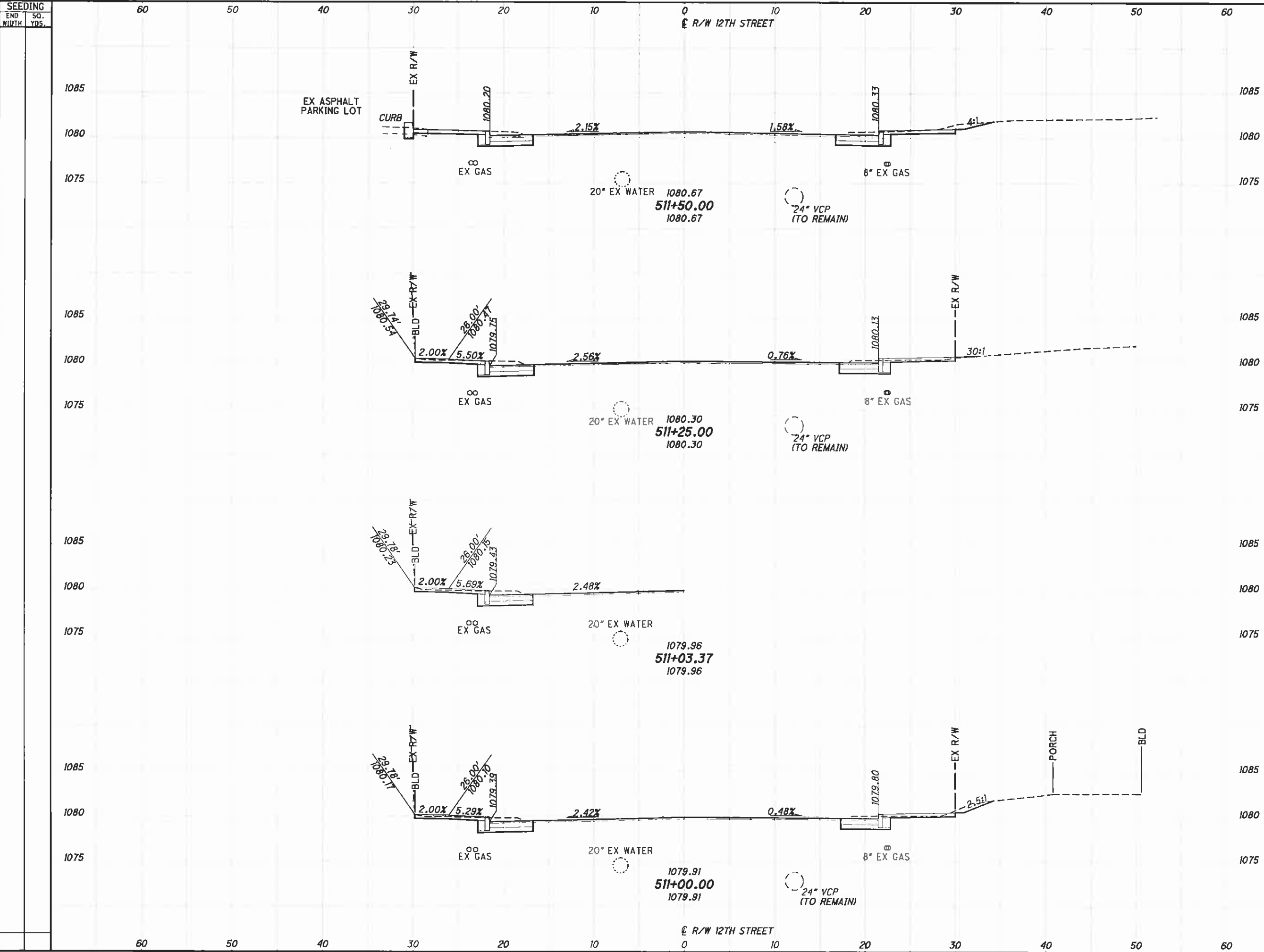
END AREA CUT FILL  
VOLUME CUT FILL

CROSS SECTIONS - 12TH STREET  
STA. 510+25.00 TO STA. 510+81.06

STA-12TH STREET

151  
317

J:\TSA\11-060 12th Street\STA\B5299\roadway\sheet\85299X5001.dgn 10/6/2011 3:36:46 PM dcbornharl' ODOTV81\_PDF\_Haf.plt c g ODOTV81\_Pen-ME.tbl M-E Companies, Inc.

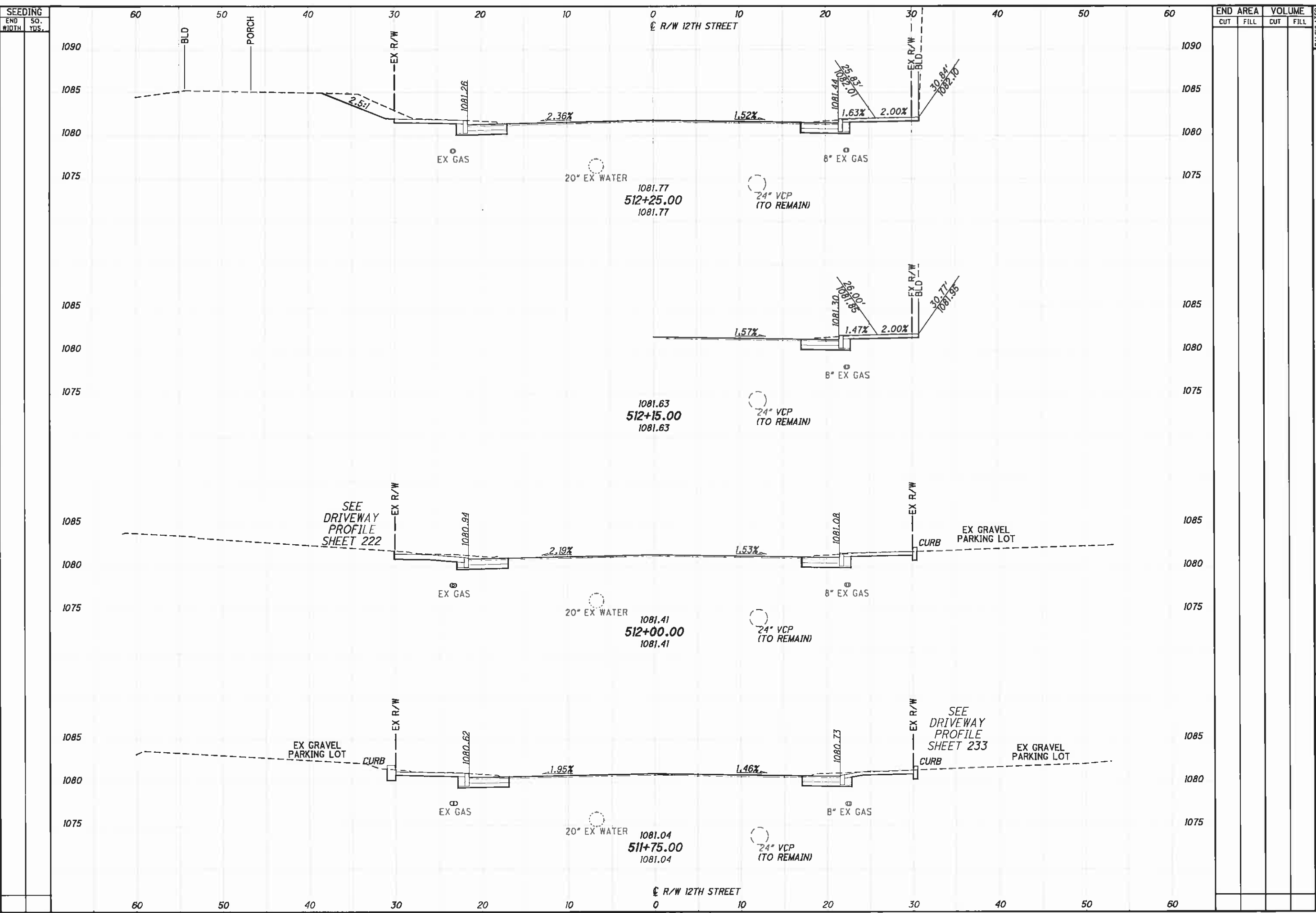


END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 511+00.00 TO STA. 511+50.00**



J:\TS\11-060\_12th\_Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:36:48 PM dcbarhart ODOT\Bj\_PDF\_Half.pltfig ODOT\Bj\_Pen-ME.lbl M-E Companies, Inc.

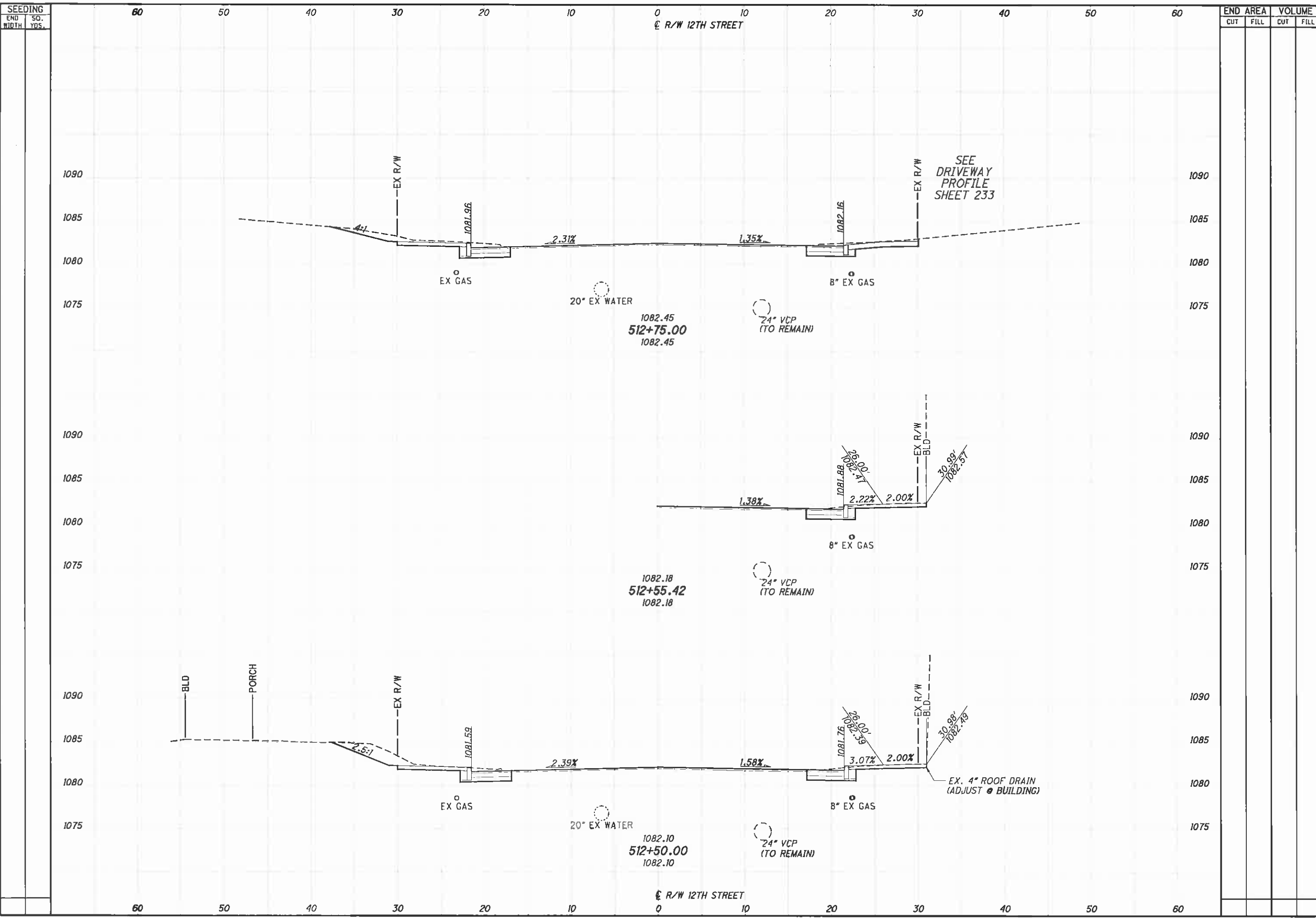


SEEDING	
END WIDTH	SO. YDS.

END AREA	VOLUME	CALCULATED	CHECKED

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 511+75.00 TO STA. 512+25.00**

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:36:50 PM debarnhart\ ODOTVBI\_PDF\_Harf.plt c:\g ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

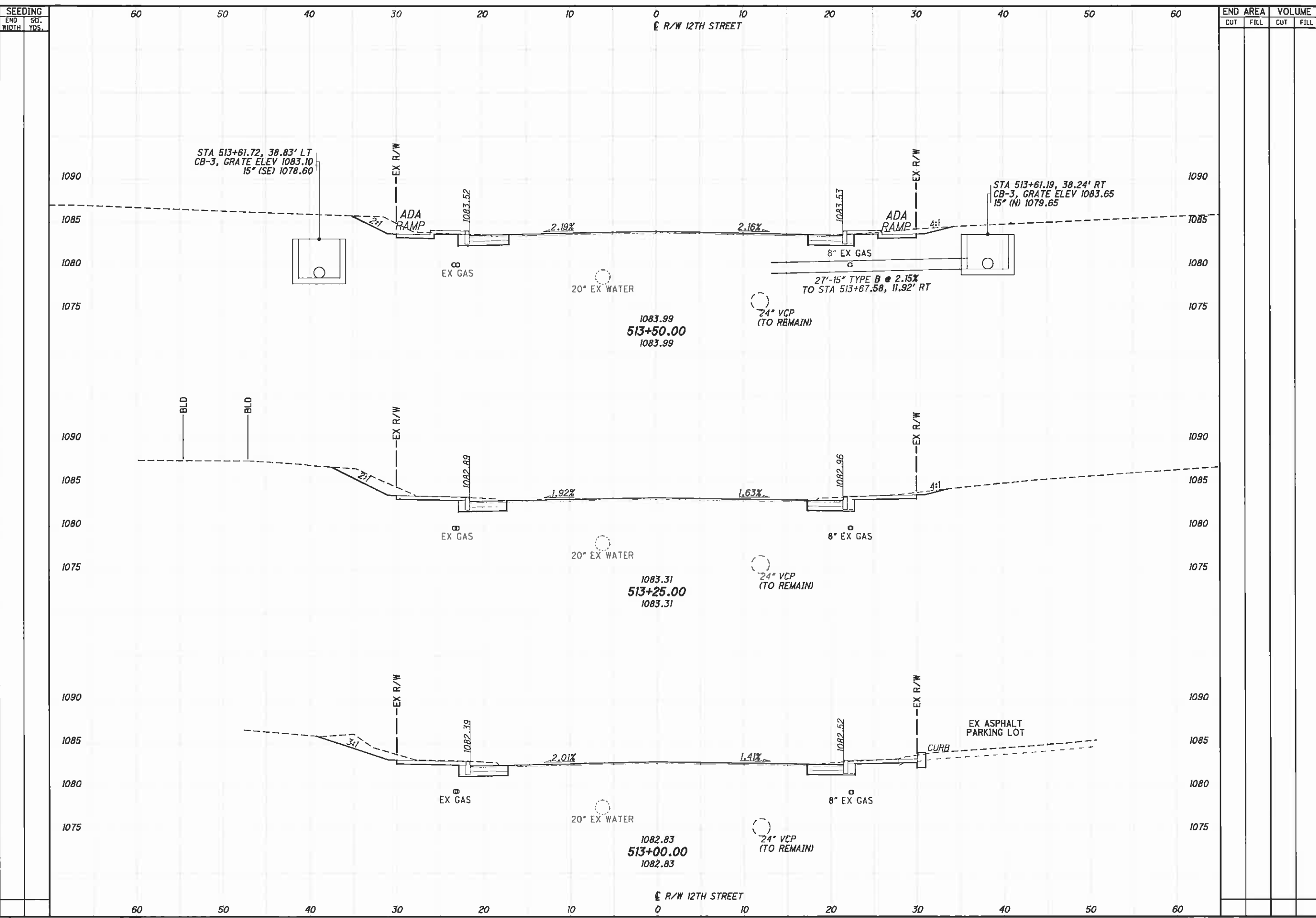


END STA.	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
512+50.00						
512+55.42						
512+75.00						

**STA-12TH STREET**

**CROSS SECTIONS - 12TH STREET**  
**STA. 512+50.00 TO STA. 512+75.00**

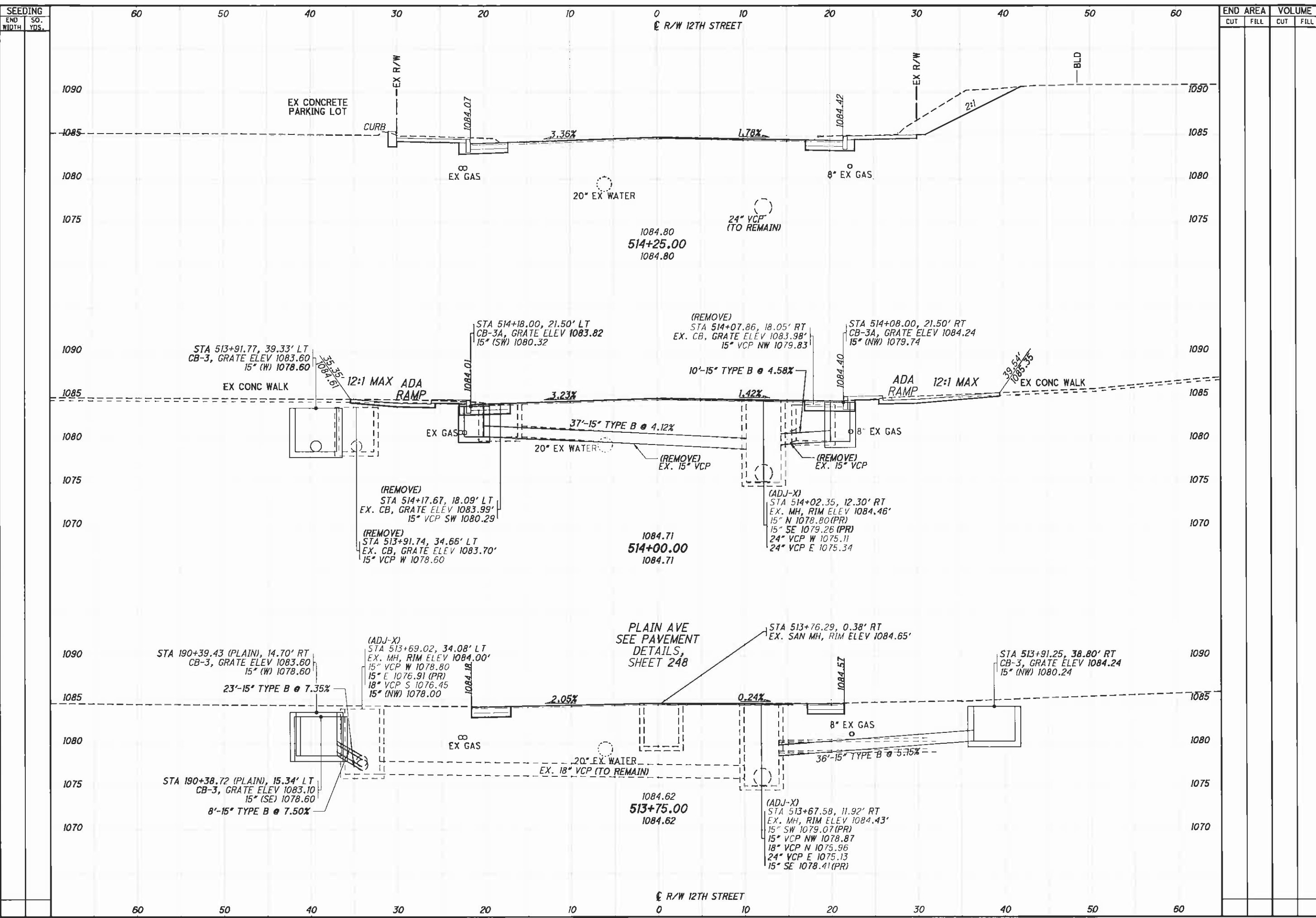
J:\TS\11\11-060\_12th\_Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:36:51 PM dcbarhart\ ODOTV8i\_PDF\_Half.plt\cig ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
513+00.00				
513+25.00				
513+50.00				

STA-12TH STREET  
 CROSS SECTIONS - 12TH STREET  
 STA. 513+00.00 TO STA. 513+50.00  
 CALCULATED  
 CHECKED

J:\TS\11\11-060\_12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:36:53 PM dcbarhart ODOTV61\_PDF\_Half.plt c:\g\DOTV61\_Pen-ME.tbl M+E Companies, Inc.

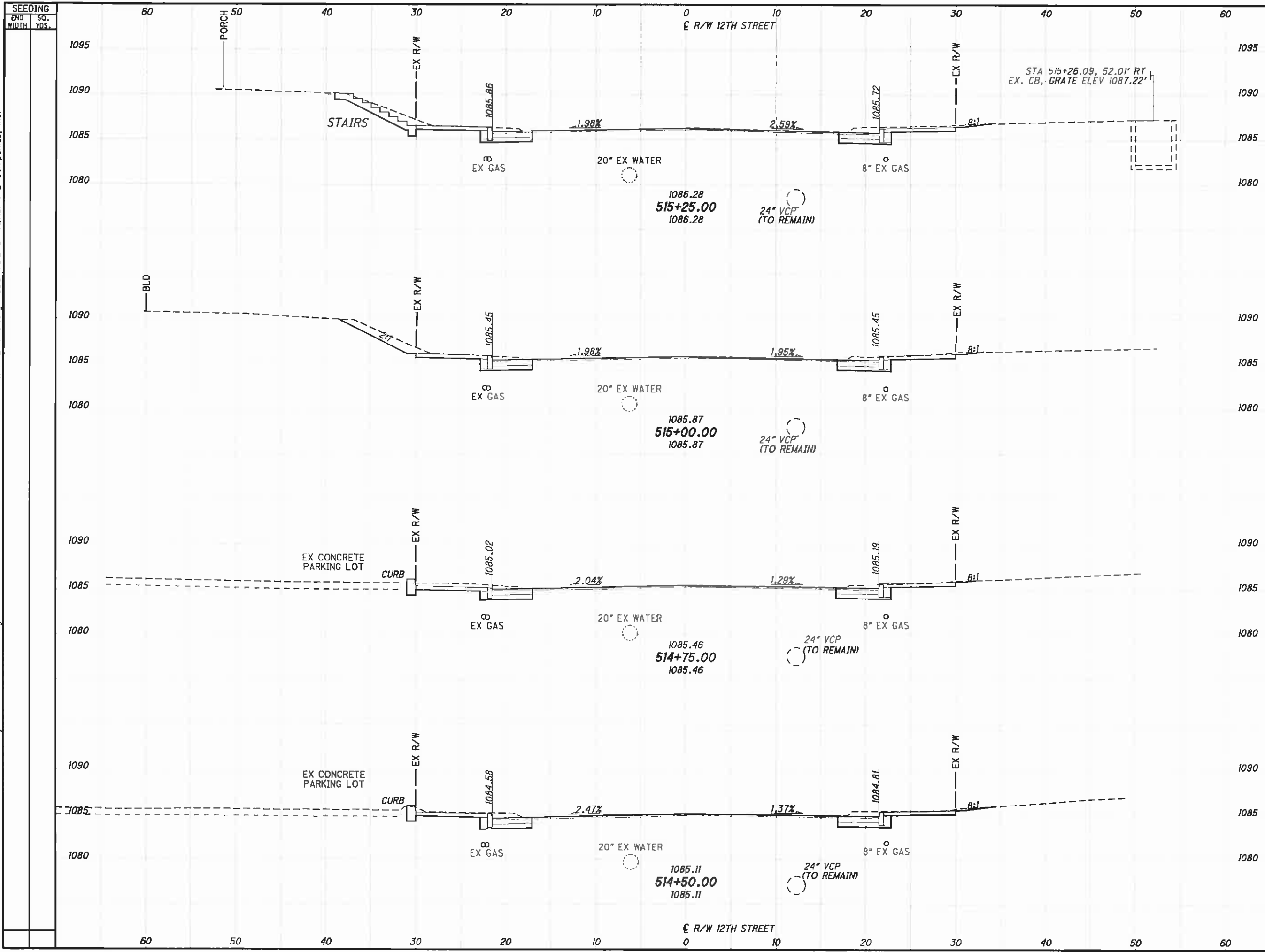


END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
513+75.00						
514+25.00						

CROSS SECTIONS - 12TH STREET  
STA. 513+75.00 TO STA. 514+25.00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:36:55 PM dcbarhart ODOT\B1\_PDF\_Half.plt cfg ODOT\B1\_Pen-ME.tbl M-E Companies, Inc.



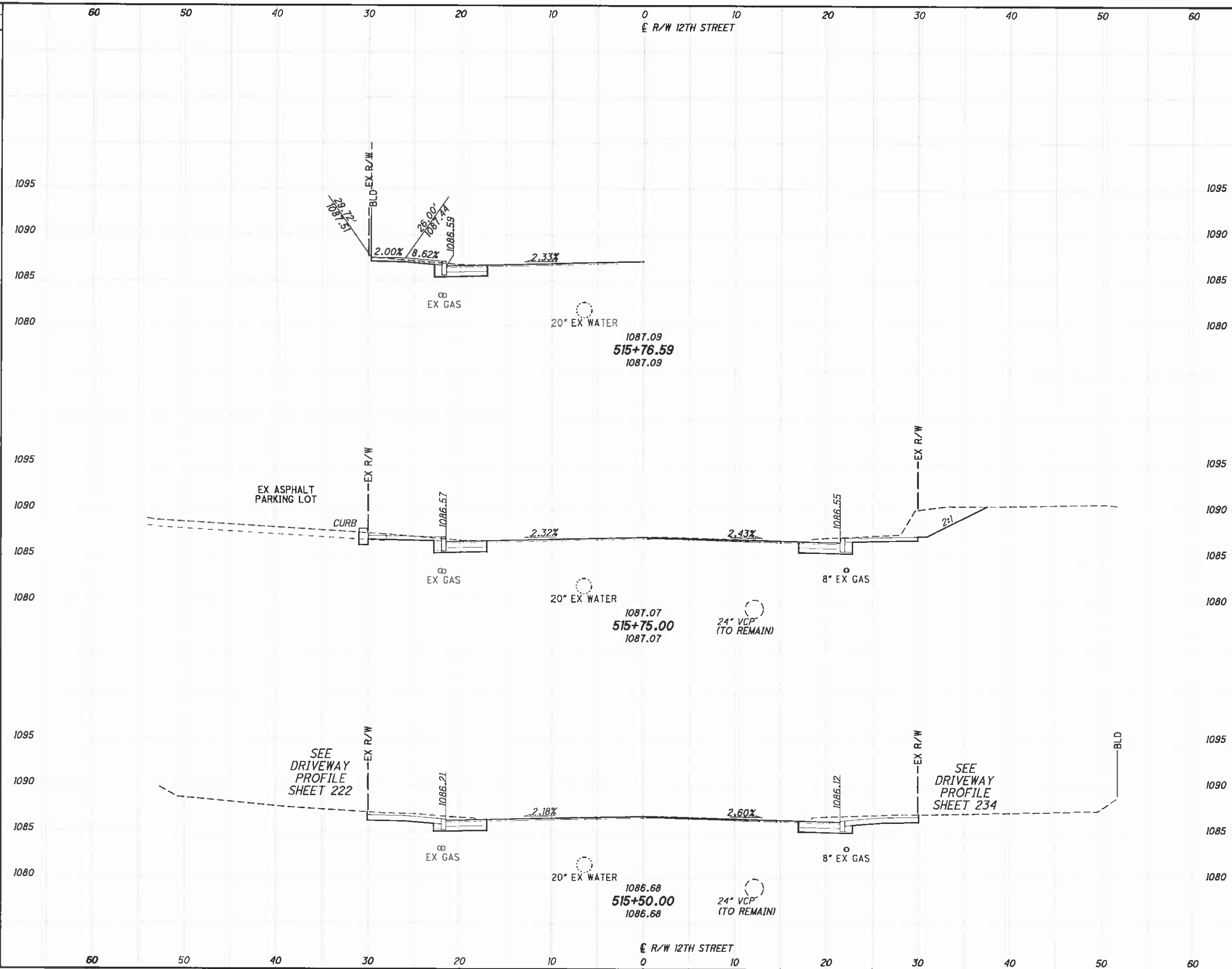
END STA	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 514+50.00 TO STA. 515+25.00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:36:57 PM dcbarhart ODOT\BI\_PDF\_Half.plt\cfig ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.



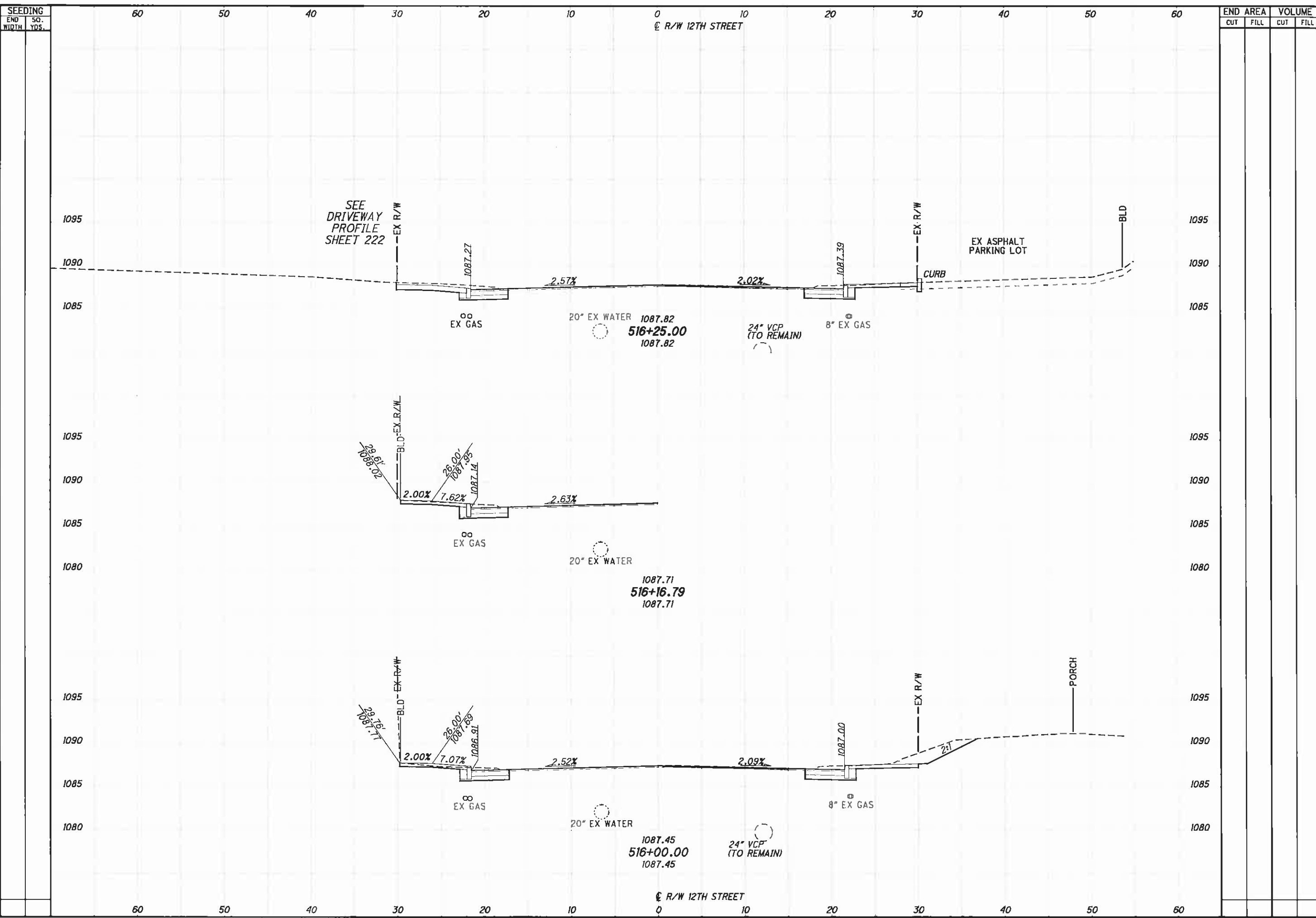
END AREA	VOLUME	CALCULATED	CHECKED				
				CUT	FILL	CUT	FILL

**CROSS SECTIONS - 12TH STREET**  
**STA. 515+50.00 TO STA. 515+76.59**

**STA-12TH STREET**

158  
317

J:\TSV\11-060 12th Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:36:59 PM dcbarhart ODOTVB\_PDF\_Half.plt ODOTVB\_Pen-ME.lbt M-E Companies, Inc.



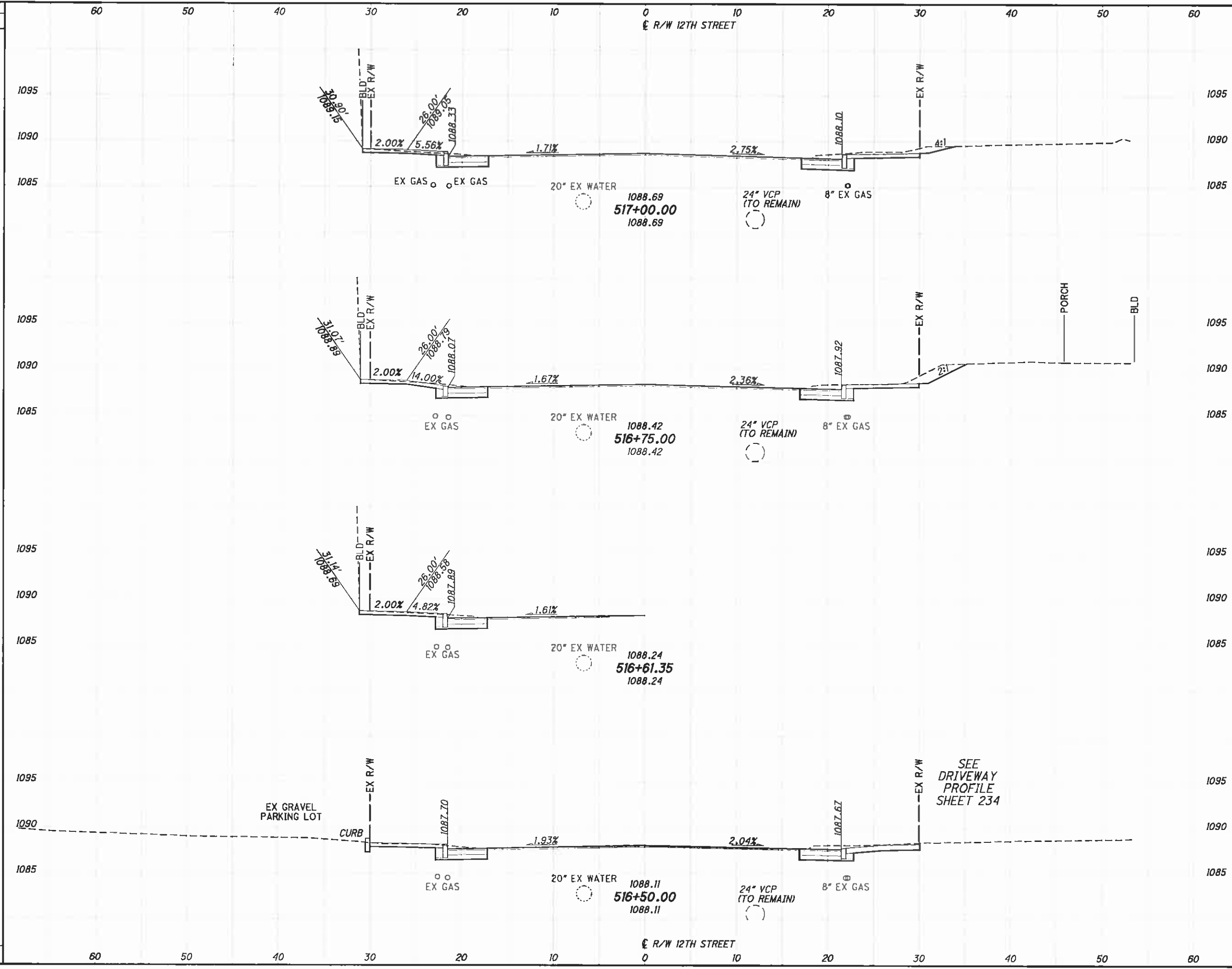
END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

**CROSS SECTIONS - 12TH STREET**  
**STA. 516+00.00 TO STA. 516+25.00**

**STA-12TH STREET**

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:00 PM dcbrnhort ODOTV8I\_PDF\_Half.pltcfgr ODOTV8I\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END	SQ.
WIDTH	YDS.



END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

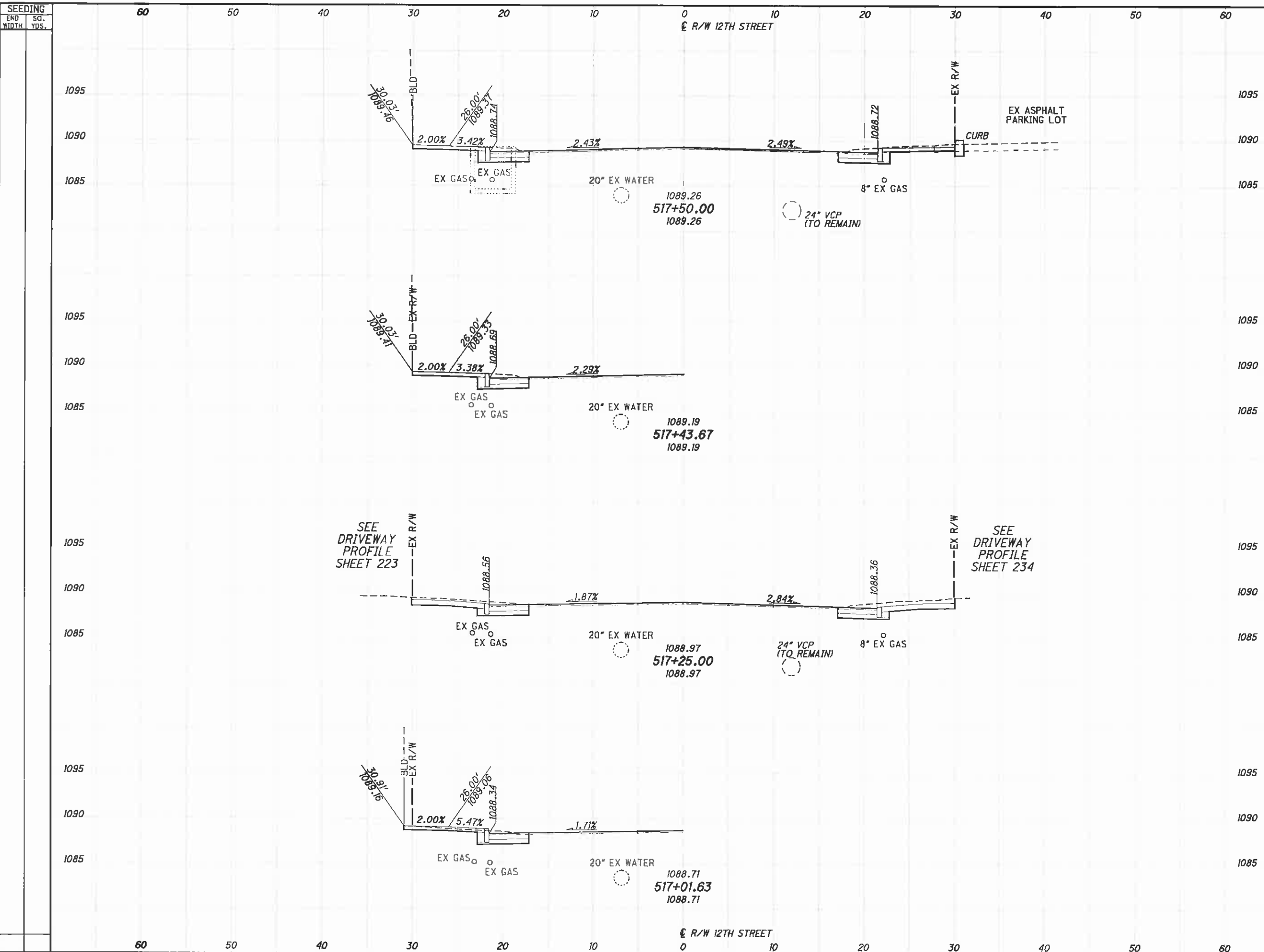
CROSS SECTIONS - 12TH STREET  
STA. 516+50.00 TO STA. 517+00.00

STA-12TH STREET

160  
317



J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:37:02 PM dcbarhart ODOTV8i\_PDF\_Half.plt c:\p\m\m-e\companies, inc. ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.

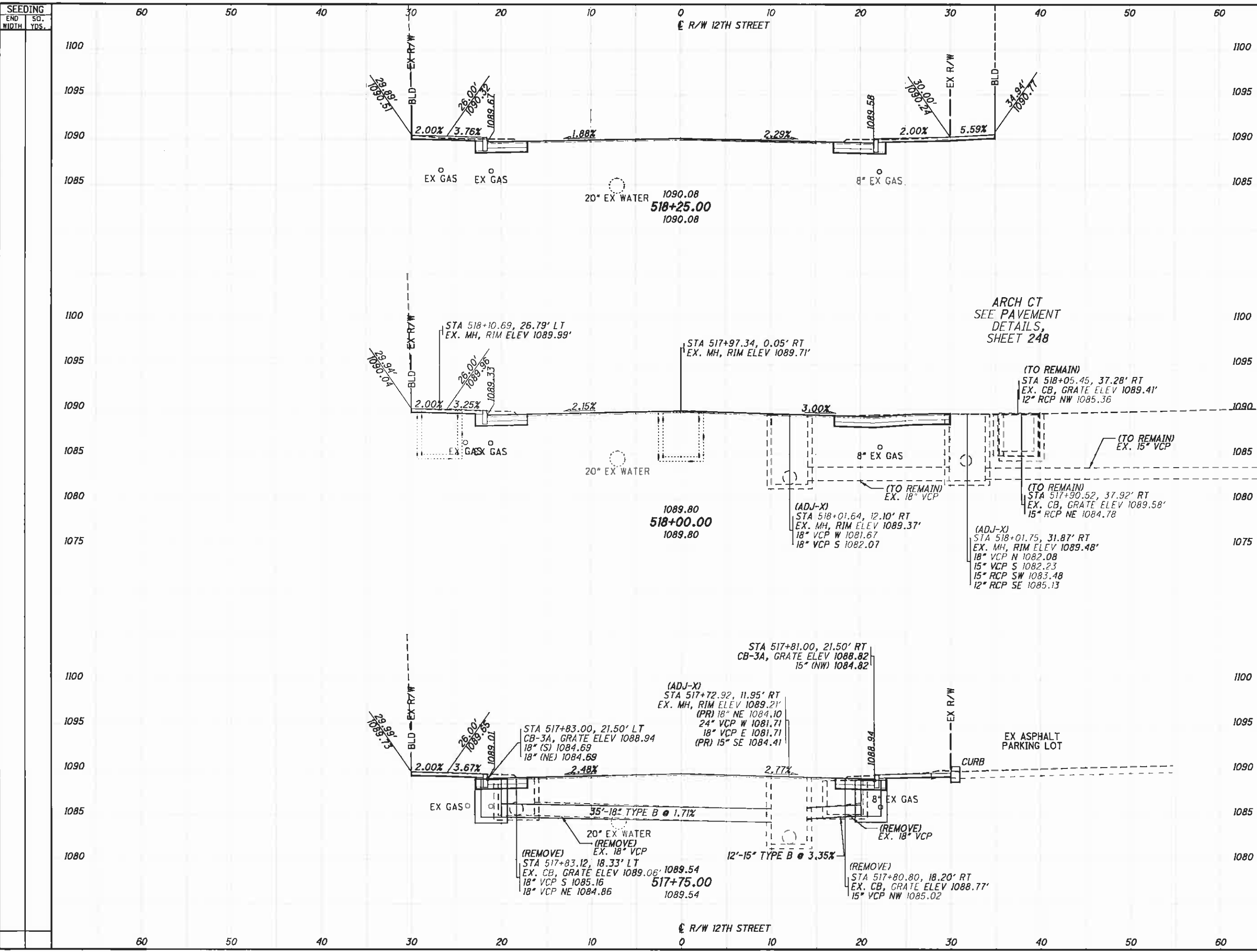


END WIDTH	AREA	VOLUME	
		CUT	FILL
60			
50			
40			
30			
20			
10			
0			
10			
20			
30			
40			
50			
60			

CROSS SECTIONS - 12TH STREET  
 STA. 517+01.63 TO STA. 517+50.00

161  
 317

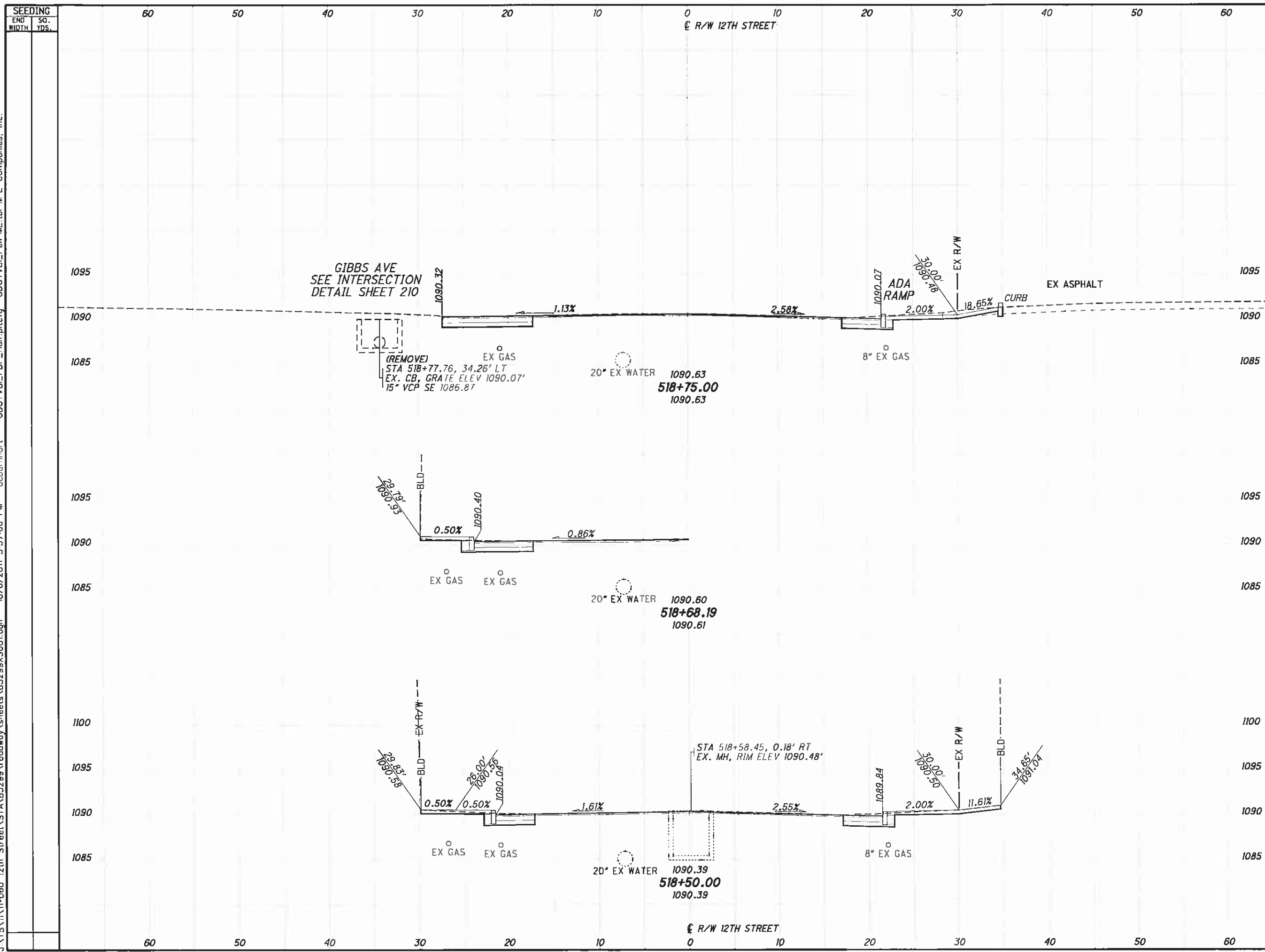
J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:37:04 PM dbarnhart ODOTVBI\_PDF\_Half.plt c:\g\odotvbi\pan-me.tbl M-E Companies, Inc.



END STA.	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
517+75.00						
518+25.00						

**CROSS SECTIONS - 12TH STREET**  
**STA. 517+75.00 TO STA. 518+25.00**

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:06 PM dbarnhart ODOT\BI\_PDF\_Half.plt c:\g\odot\bi\_pen-me.tbl M-E Companies, Inc.



GIBBS AVE  
SEE INTERSECTION  
DETAIL SHEET 210

(REMOVE)  
STA 518+77.76, 34.26' LT  
EX. CB, GRADE ELEV 1090.07'  
15" VCP SE 1086.87

20" EX WATER  
1090.63  
518+75.00  
1090.63

20" EX WATER  
1090.60  
518+68.19  
1090.61

20" EX WATER  
1090.39  
518+50.00  
1090.39

STA 518+58.45, 0.18' RT  
EX. MH, RIM ELEV 1090.48'

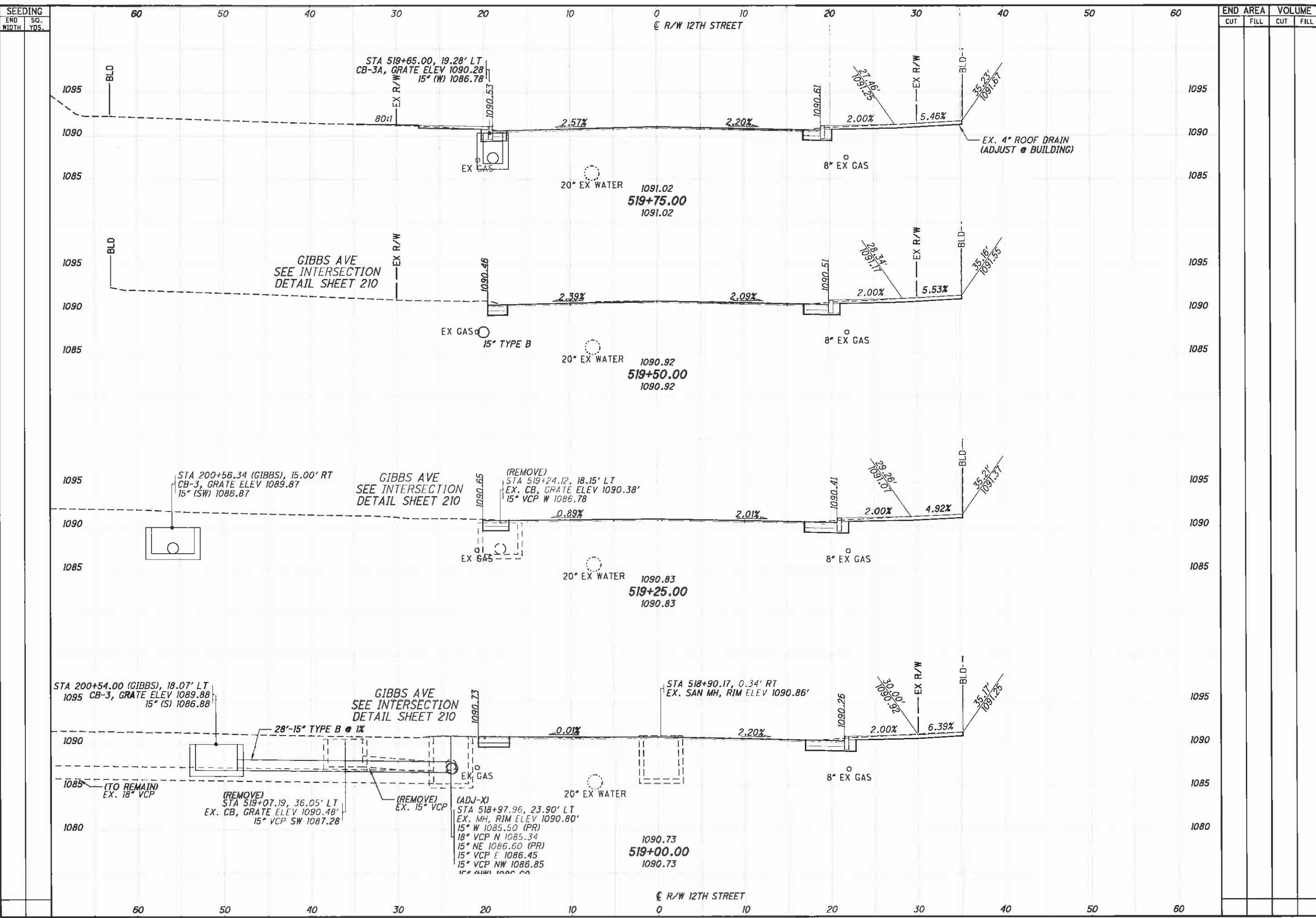
SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	END WIDTH	SO. YDS.	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 518+50.00 TO STA. 518+75.00

STA-12TH STREET

163  
317

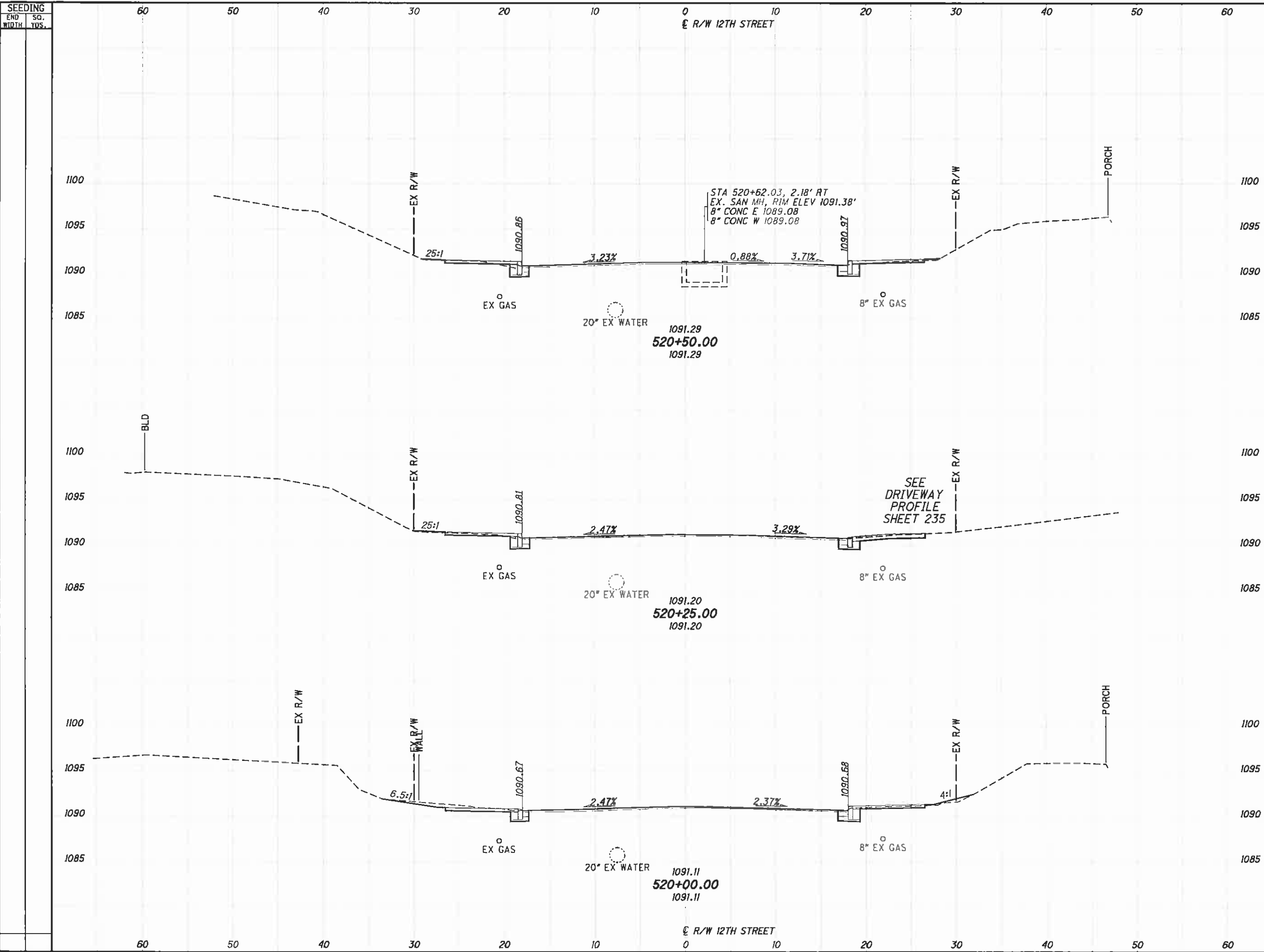
J:\15\11-060 12th Street\STA\B5299\roadway\sheet\B5299X500.dgn 10/6/2011 3:37:08 PM dcbarhart ODOTVBl\_PDF\_Half.plt c g ODOTVBl\_Pen-ME.tbl M-E Companies, Inc.



SEEDING END WIDTH	SQ. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

**CROSS SECTIONS - 12TH STREET**  
**STA. 519+00.00 TO STA. 519+75.00**  
**STA-12TH STREET**  
 164  
 317

J:\TSA\11-060\_12th\_Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:10 PM dcbarhart\ ODOTVBI\_PDF\_Hair.picfg ODOTVBI\_Pan-ME.tbl M-E Companies, Inc.

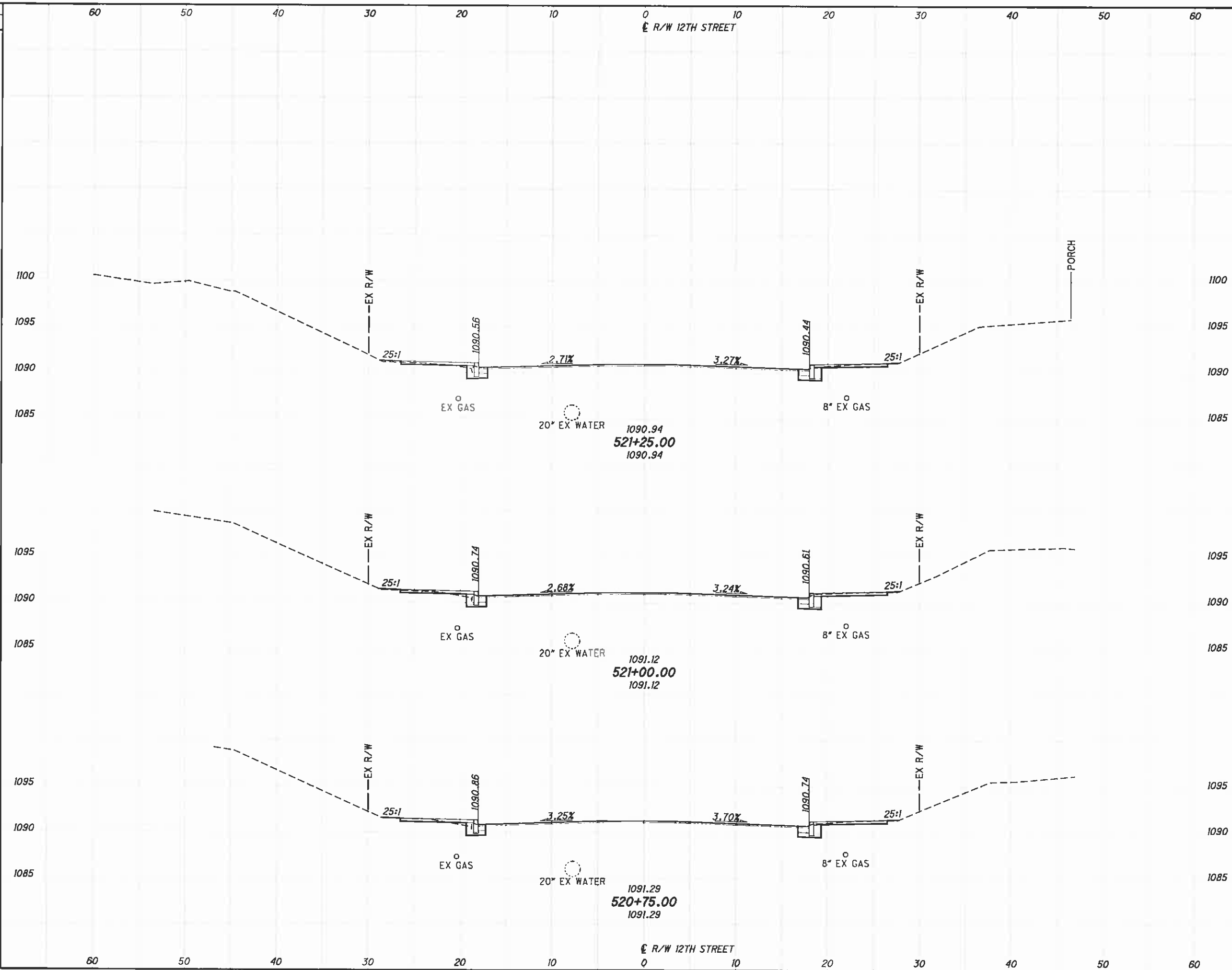


END WIDTH	AREA CUT	AREA FILL	VOLUME		CALCULATED	CHECKED
			CUT	FILL		
60						
50						
40						
30						
20						
10						
0						
10						
20						
30						
40						
50						
60						

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 520+00.00 TO STA. 520+50.00**

SEEDING  
END SO.  
WIDTH YDS.

J:\TSS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:11 PM dcbarnhart ODOTV8I\_PDF\_Half.plt cfb ODOTV8I\_Pen-ME.tbl M-E Companies, Inc.



END CUT	AREA FILL	VOLUME		CALCULATED	CHECKED
		CUT	FILL		

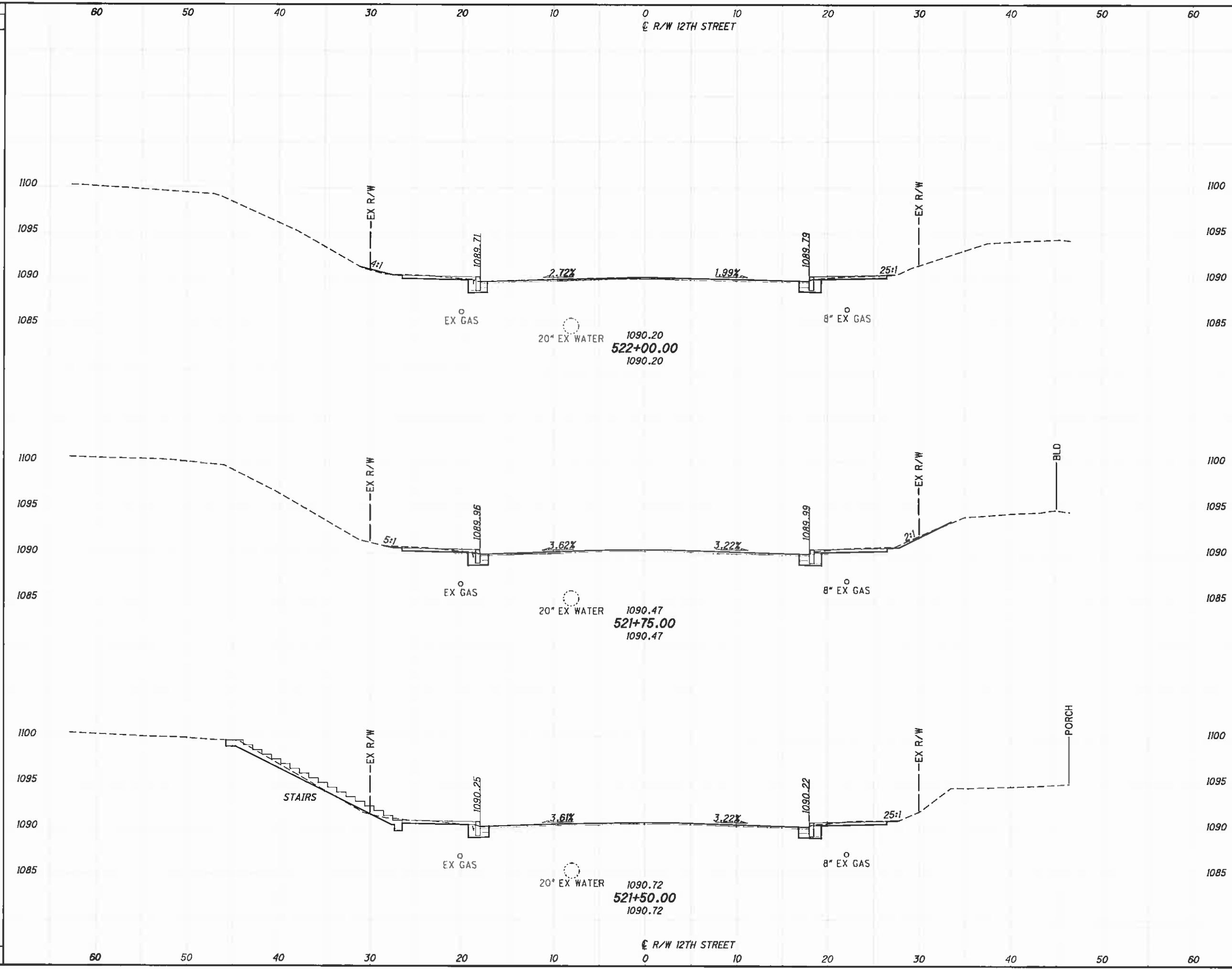
**STA-12TH STREET**

**CROSS SECTIONS - 12TH STREET**  
**STA. 520+75.00 TO STA. 521+25.00**

166  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:13 PM dcbarnhart ODOT\BI\_Pen-ME.tbi M-E Companies, Inc.

SEEDING
END SQ. WIDTH YDS.



END AREA	VOLUME	CALCULATED		CHECKED
		CUT	FILL	

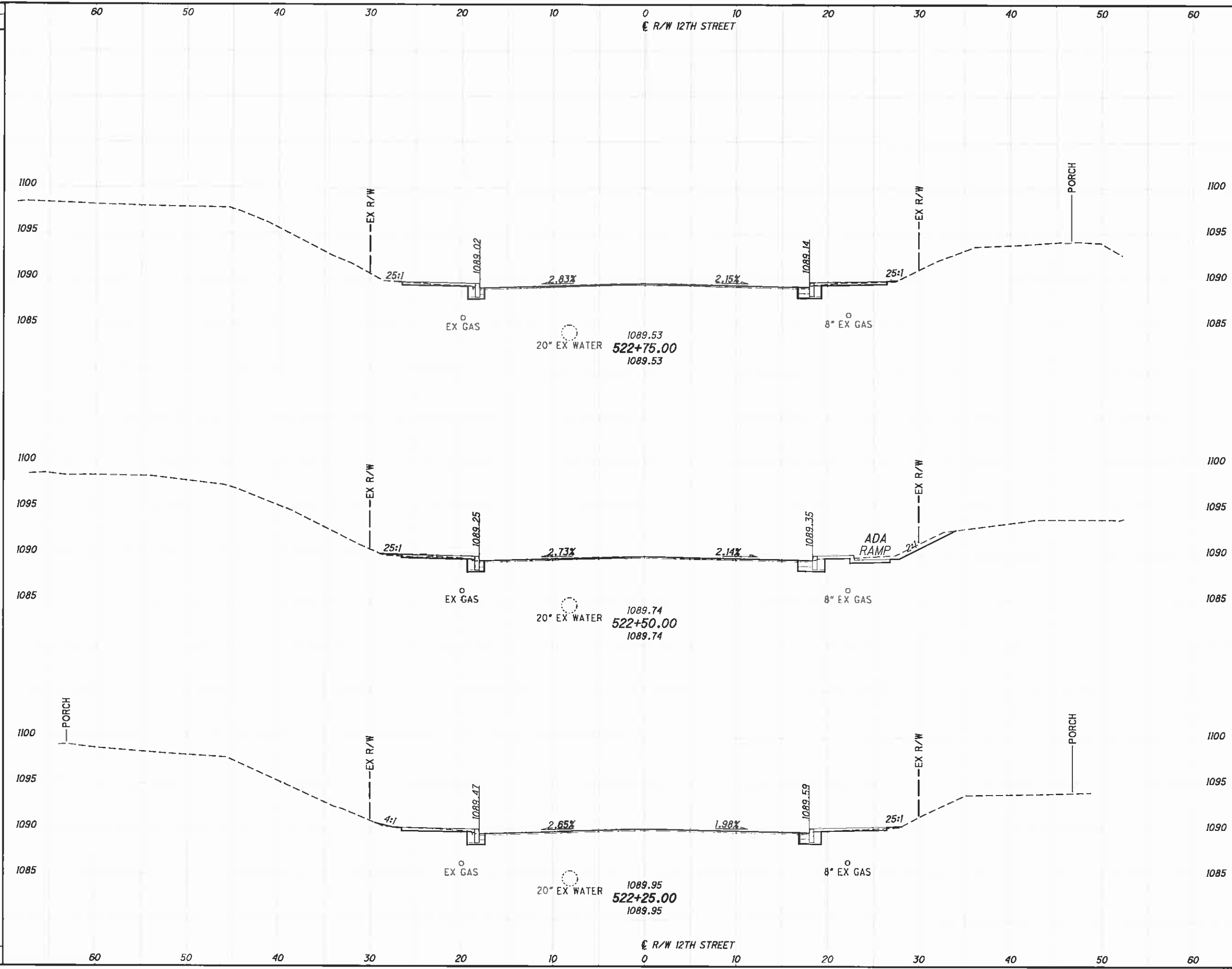
CROSS SECTIONS - 12TH STREET  
STA. 521+50.00 TO STA. 522+00.00

STA-12TH STREET

167  
317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:15 PM dcbarhart ODOTV6I\_PDF\_Half.plt c g ODOTV6I\_Pen-ME.tbl M-E Companies, Inc

SEEDING  
END SO.  
WIDTH YDS.



END AREA	VOLUME	CUT		FILL	
		CUT	FILL	CUT	FILL

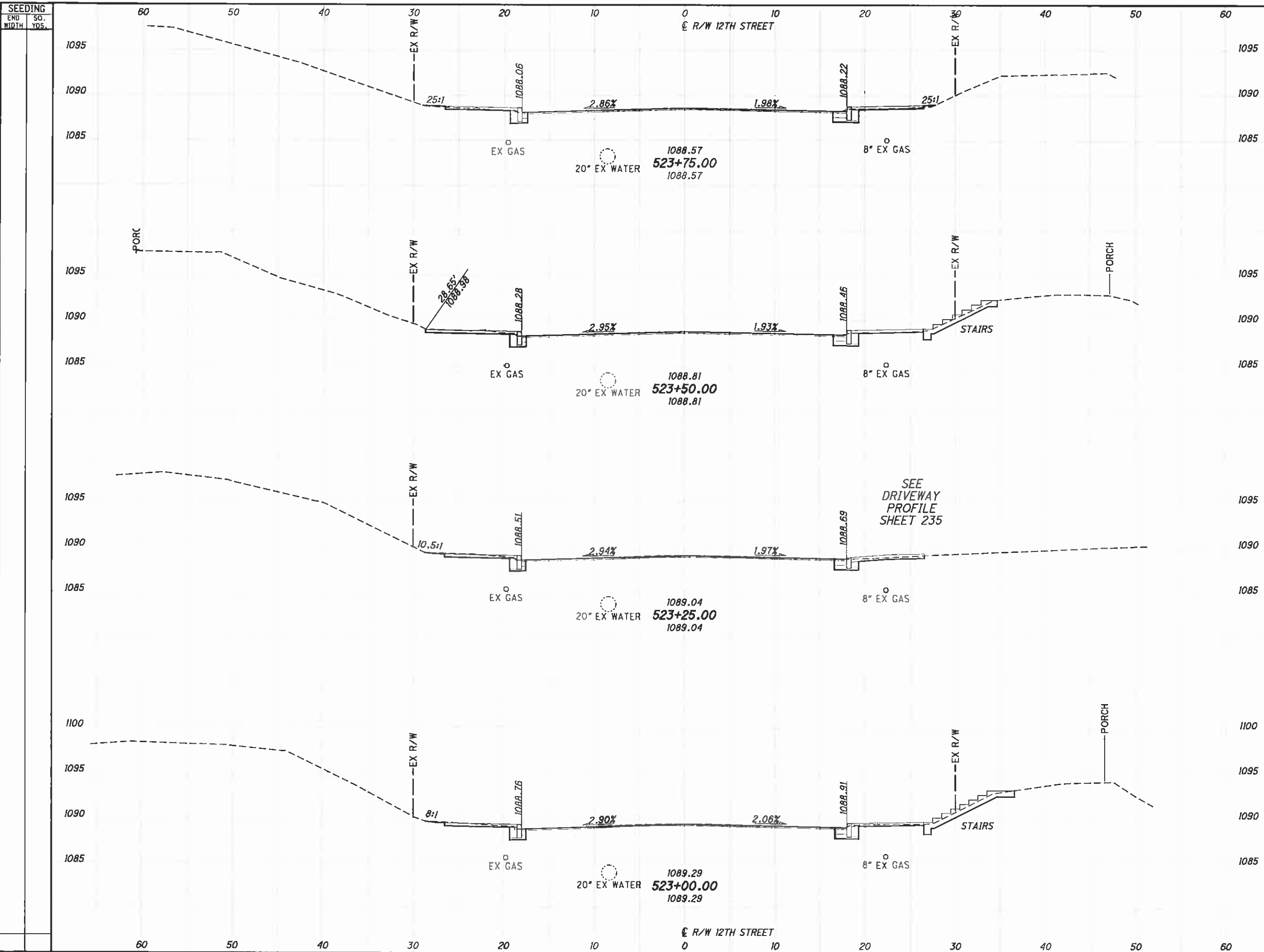
CROSS SECTIONS - 12TH STREET  
STA. 522+25.00 TO STA. 522+75.00

STA-12TH STREET

168  
317



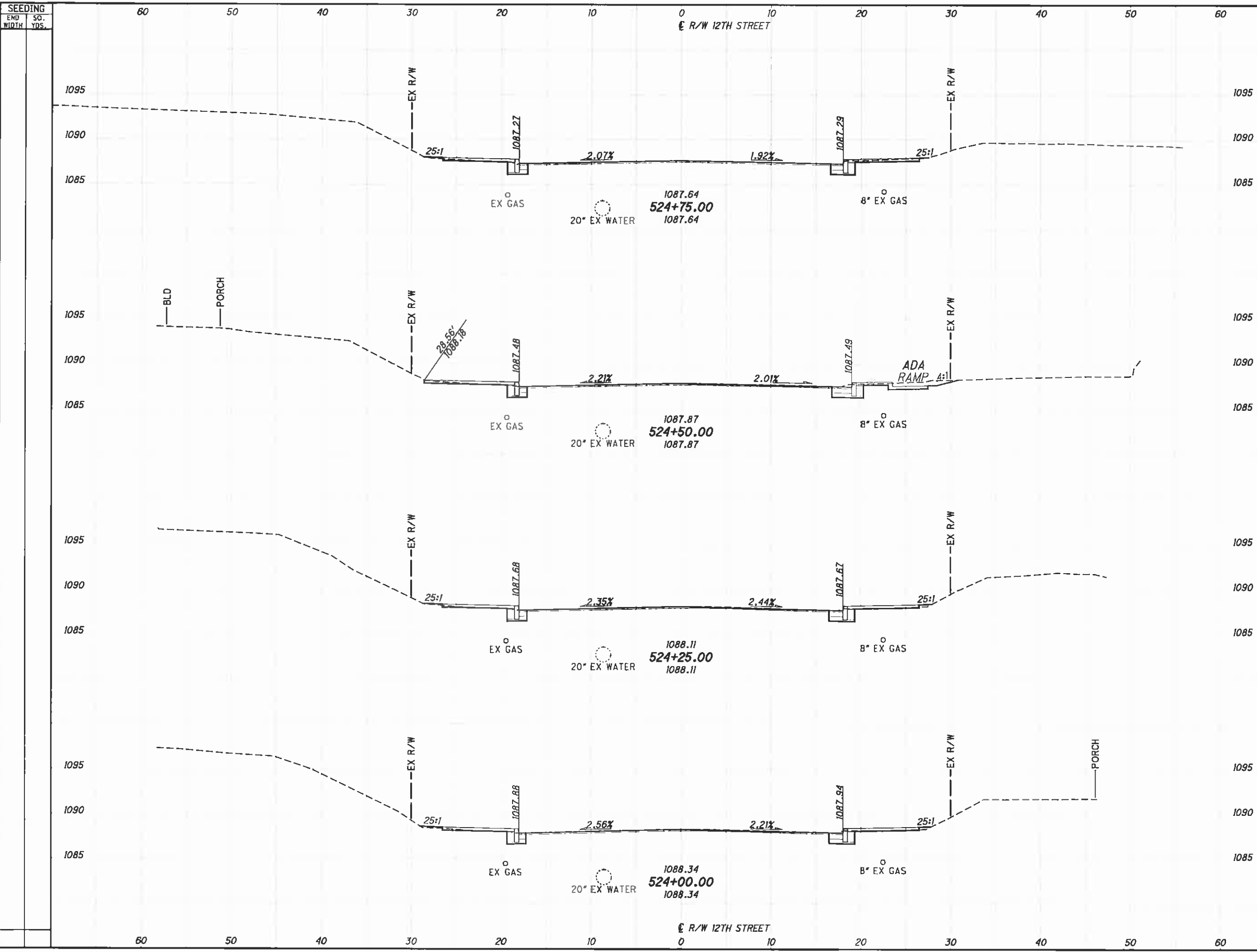
J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:17 PM dcbarhart\ ODOTVBI\_Pan-ME.tbl M-E Companies, Inc.



END STA.	AREA		VOLUME	
	CUT	FILL	CUT	FILL

CROSS SECTIONS - 12TH STREET  
 STA. 523+00.00 TO STA. 523+75.00  
 STA-12TH STREET  
 169  
 317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:18 PM dcbarhart ODOT\B\PDF\_Hair\_plc\g ODOT\B\Pen-ME.tbl M-E Companies, Inc.



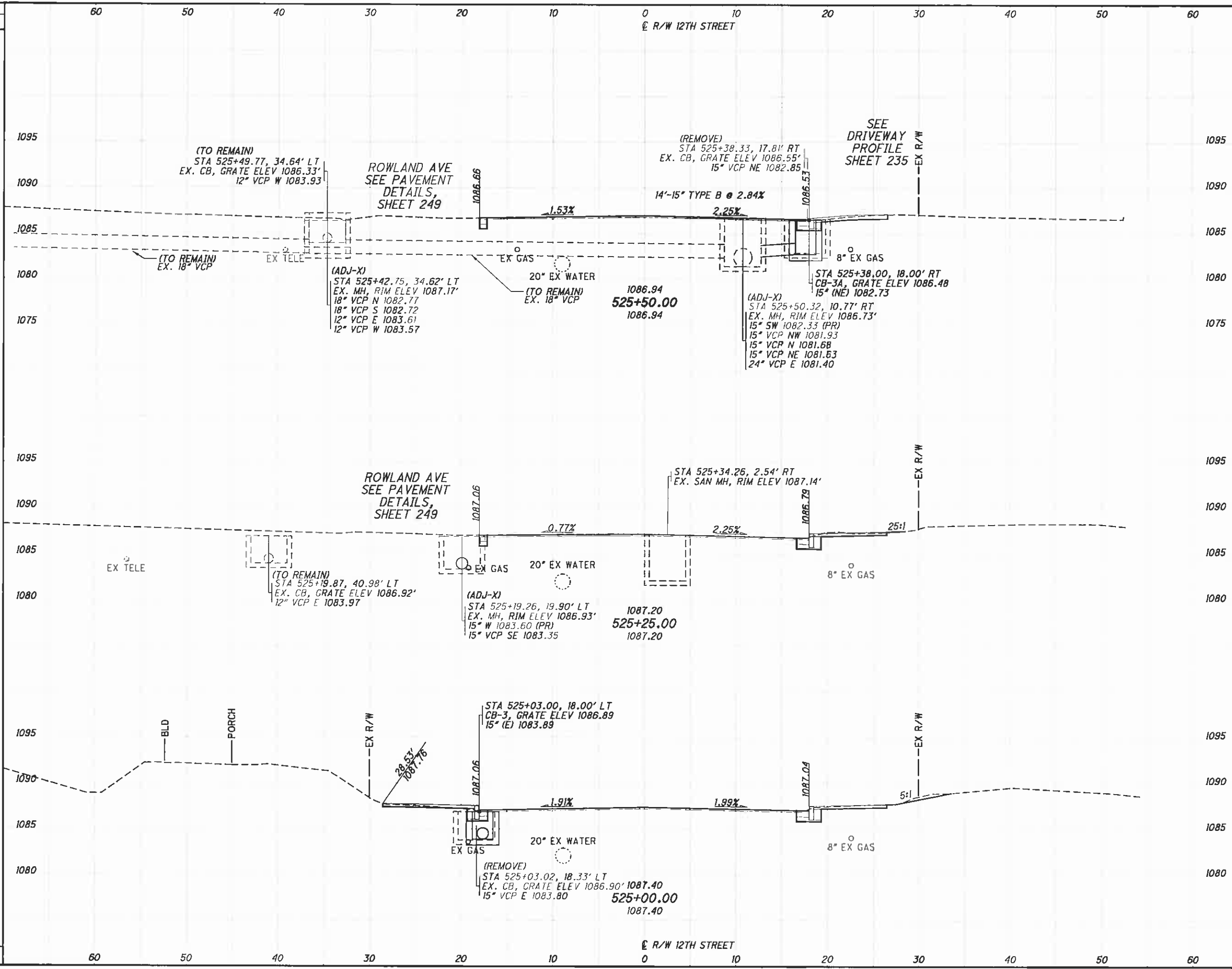
END AREA	VOLUME		CALCULATED	CHECKED
	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 524+00.00 TO STA. 524+75.00

STA-12TH STREET

170  
317

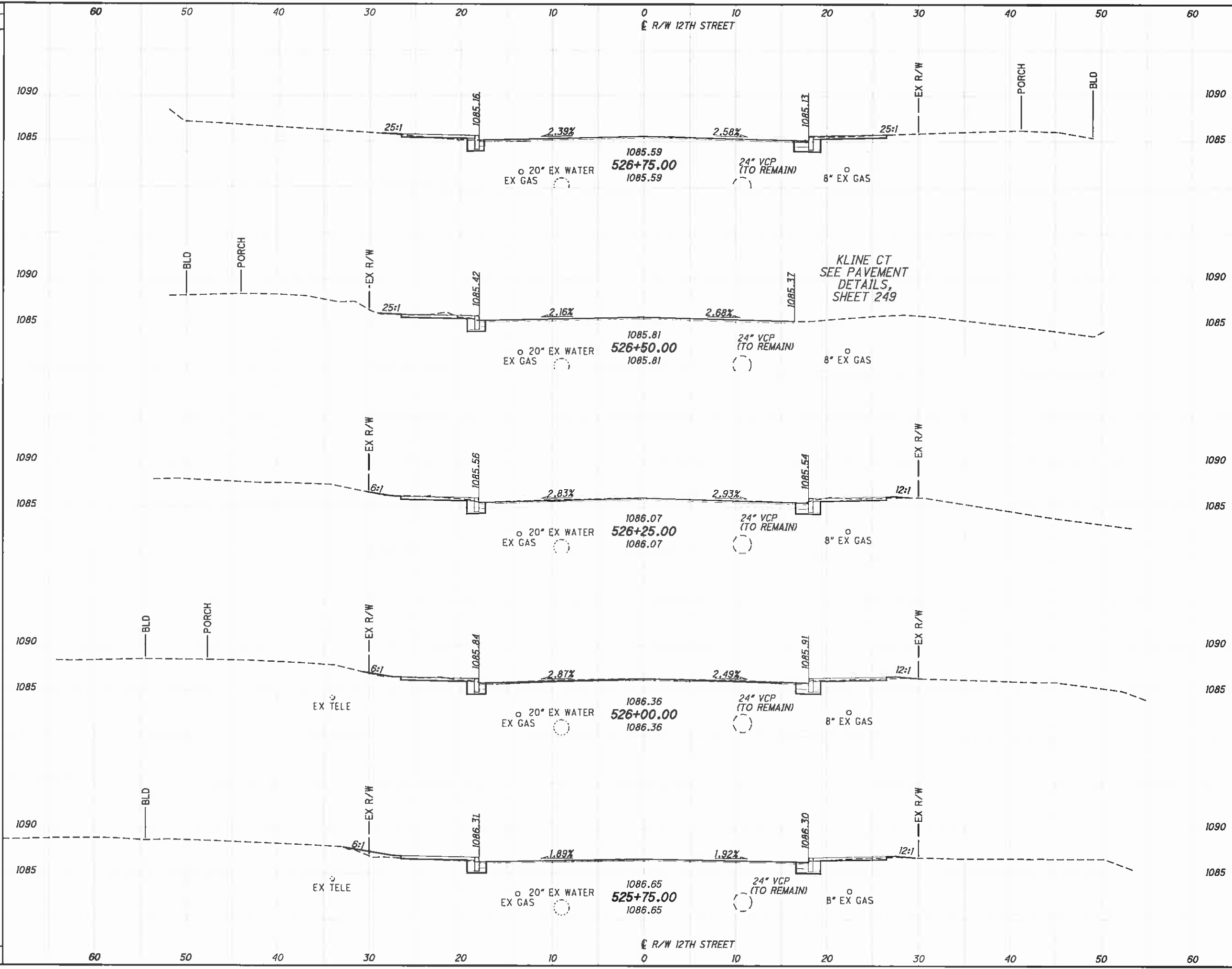
J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37 20 PM dcbarhart ODOT\85299\roadway\85299XS001.dgn M-E Companies, Inc.



END STA.	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
525+00.00						
525+50.00						
171						
317						

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:22 PM dcbarhart ODOT\BI\_PDF\_Hair.pltcfgr ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.



END AREA	VOLUME	CALCULATED	CHECKED

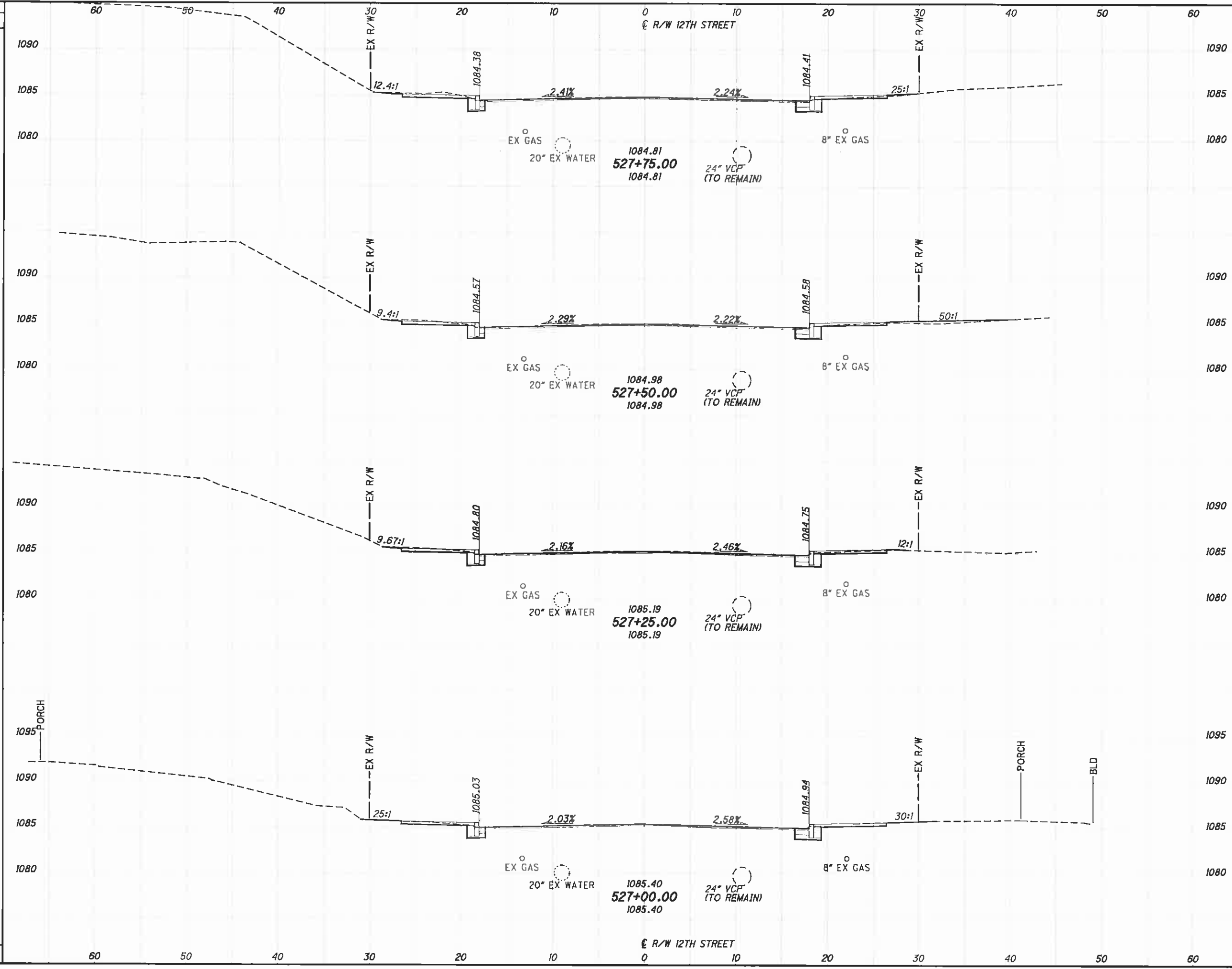
CROSS SECTIONS - 12TH STREET  
STA. 525+75.00 TO STA. 526+75.00

STA-12TH STREET

172  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:24 PM dcbarnhart ODOT\Bi\_PDF\_Hall\picfig ODOT\Bi\_Pen-ME.lbi M-E Compomes, Inc.

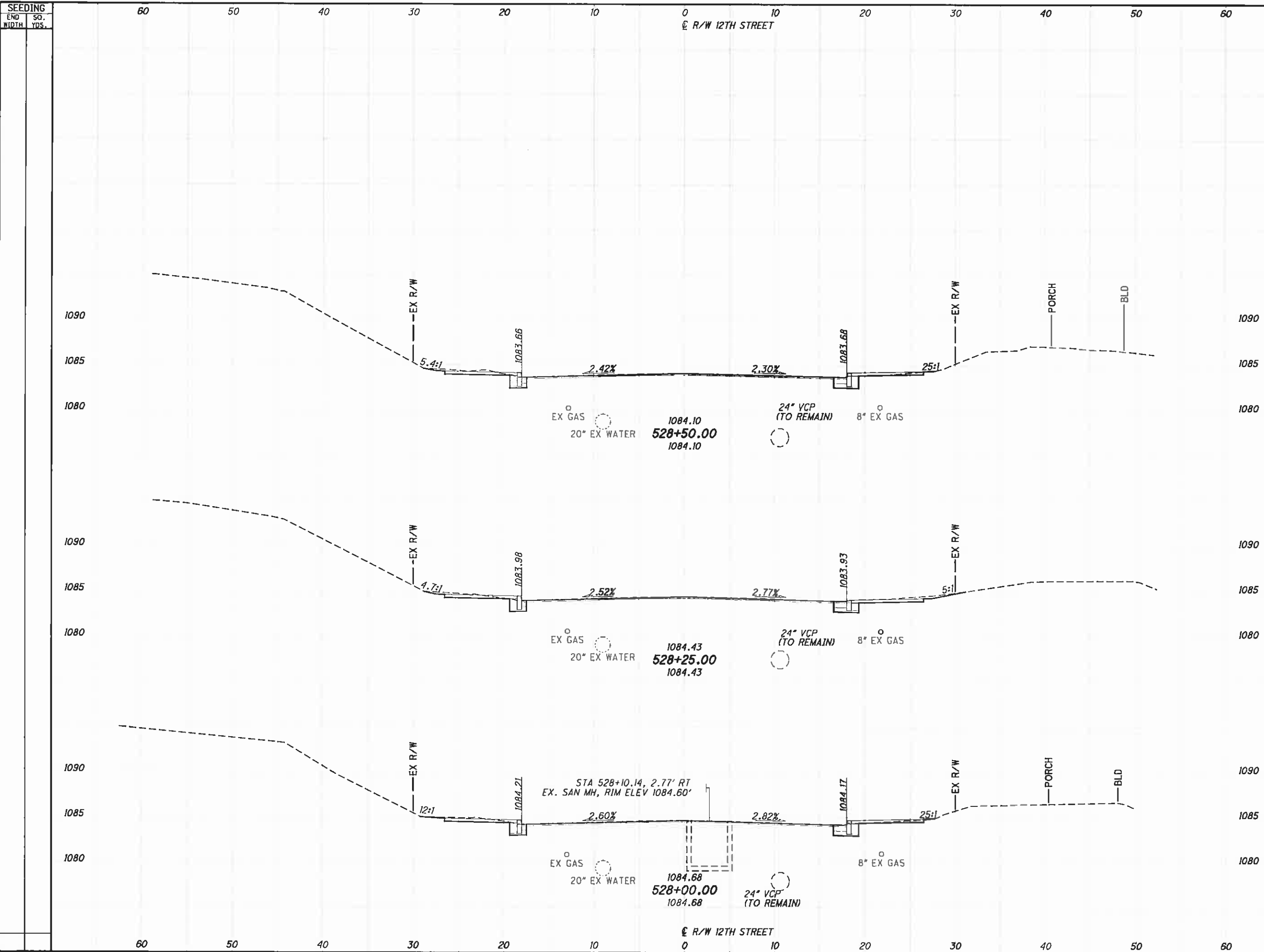
SEEDING	
END	SQ.
WIDTH	YDS.



END	AREA		VOLUME	
	CUT	FILL	CUT	FILL

STA-12TH STREET  
 CROSS SECTIONS - 12TH STREET  
 STA. 527+00.00 TO STA. 527+75.00  
 CALCULATED  
 CHECKED

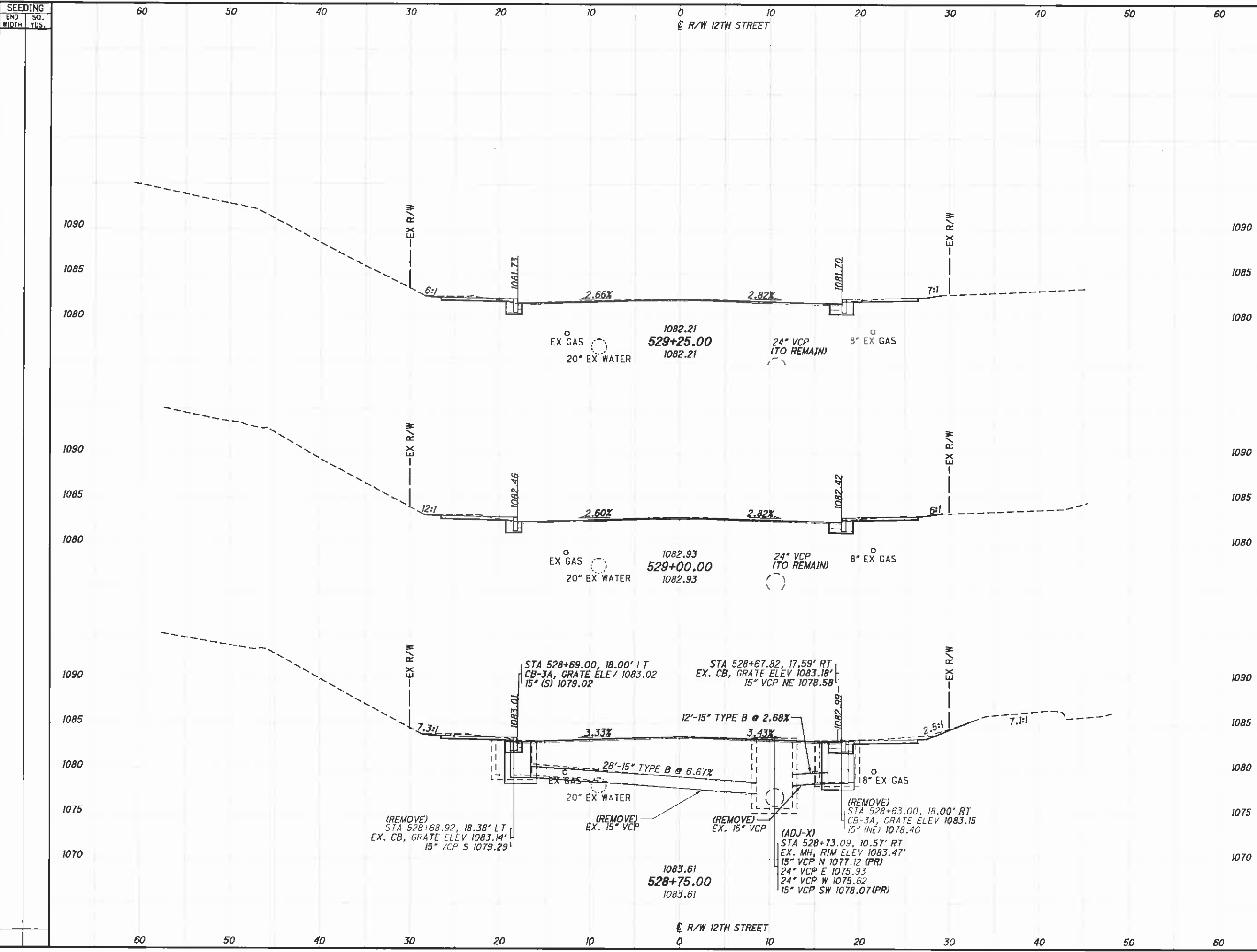
J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:26 PM dcbornhart ODOTV81\_PDF\_half.plt cfg ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



END	AREA		VOLUME	
	CUT	FILL	CUT	FILL

CALCULATED  
 CHECKED  
**CROSS SECTIONS - 12TH STREET**  
**STA. 528+00.00 TO STA. 528+50.00**  
**STA-12TH STREET**  
 174  
 317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:37:27 PM dcbarhart ODOT\B\PDF\_Half.pltcfgr ODOT\B\Pen-ME.tbl M-E Companies, Inc.



END STA	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
528+75.00						
529+00.00						
529+25.00						

CROSS SECTIONS - 12TH STREET  
STA. 528+75.00 TO STA. 529+25.00

STA-12TH STREET

175  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:29 PM dcbarhart ODOTV8I\_PDF\_Half.pltcfgr ODOTV8I\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SQ. YDS.

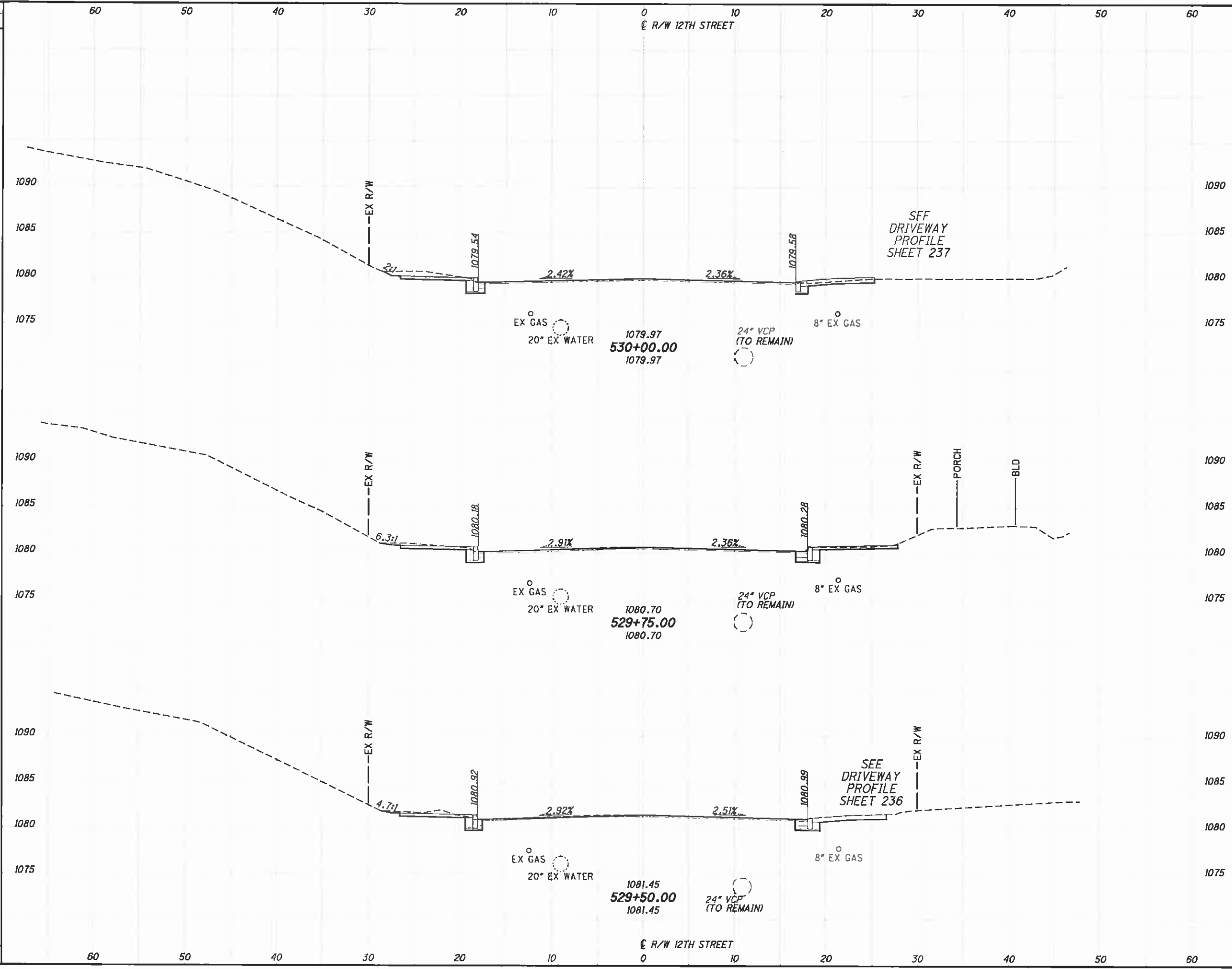
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED

CROSS SECTIONS - 12TH STREET  
STA. 529+50.00 TO STA. 530+00.00

STA-12TH STREET

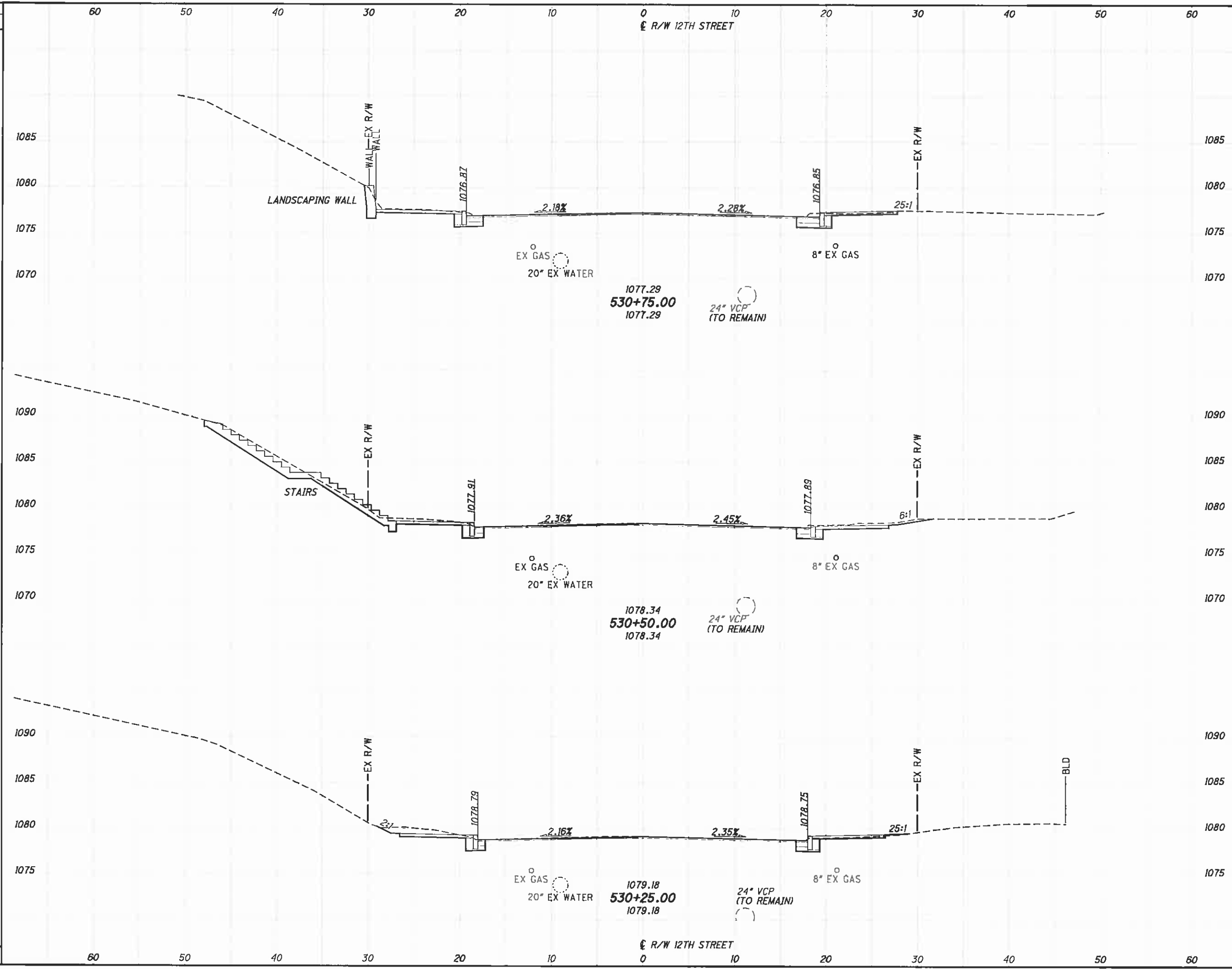
176  
317





J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:31 PM dcbarhart ODOT\85299\PDF\_Half.pltcfq ODOTV8\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SQ. YDS.



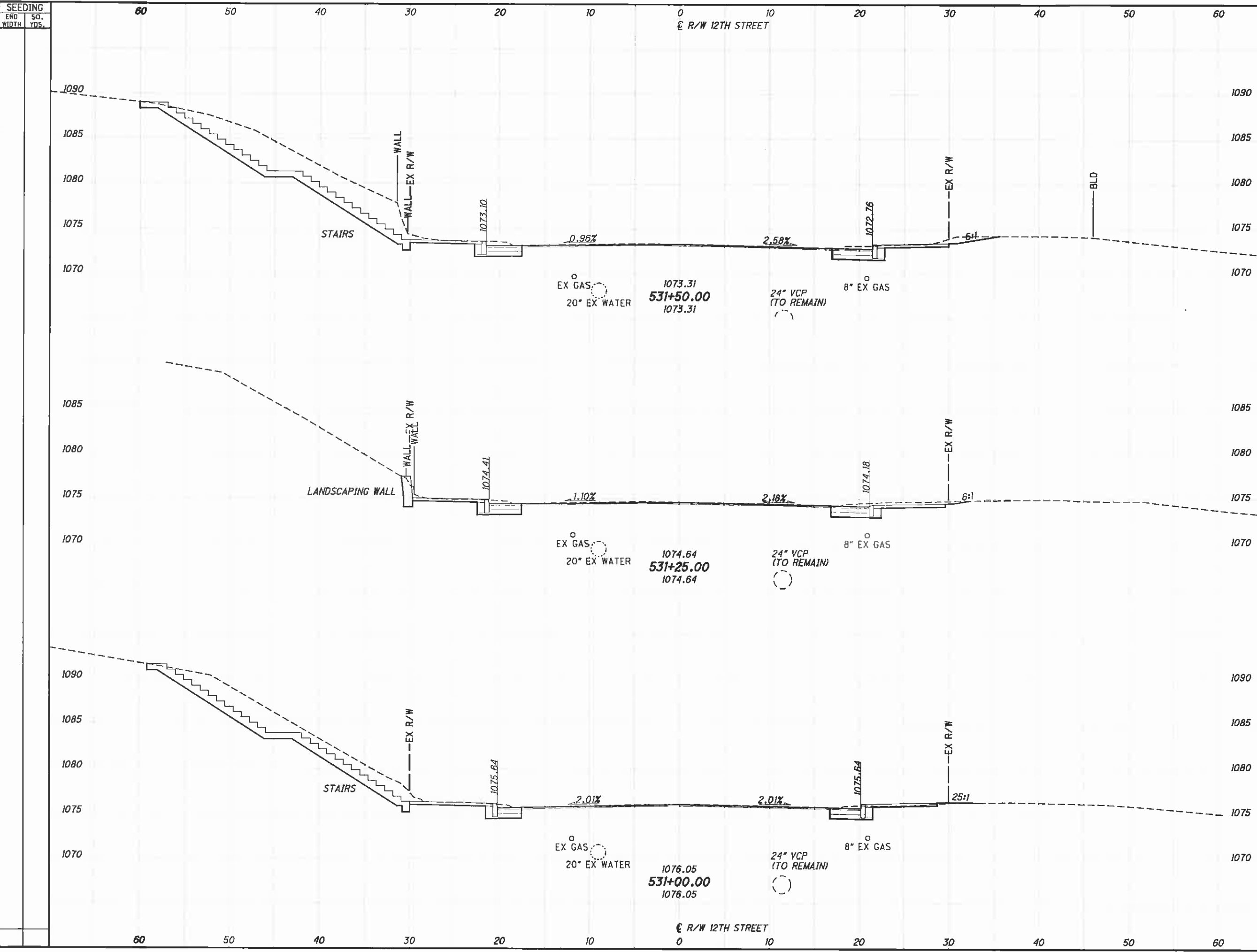
END CUT	AREA FILL	VOLUME CUT	VOLUME FILL	CALCULATED	CHECKED

CROSS SECTIONS - 12TH STREET  
STA. 530+25.00 TO STA. 530+75.00

STA-12TH STREET

177  
317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:33 PM dcbarhart ODOTVBI\_PDF\_Half.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

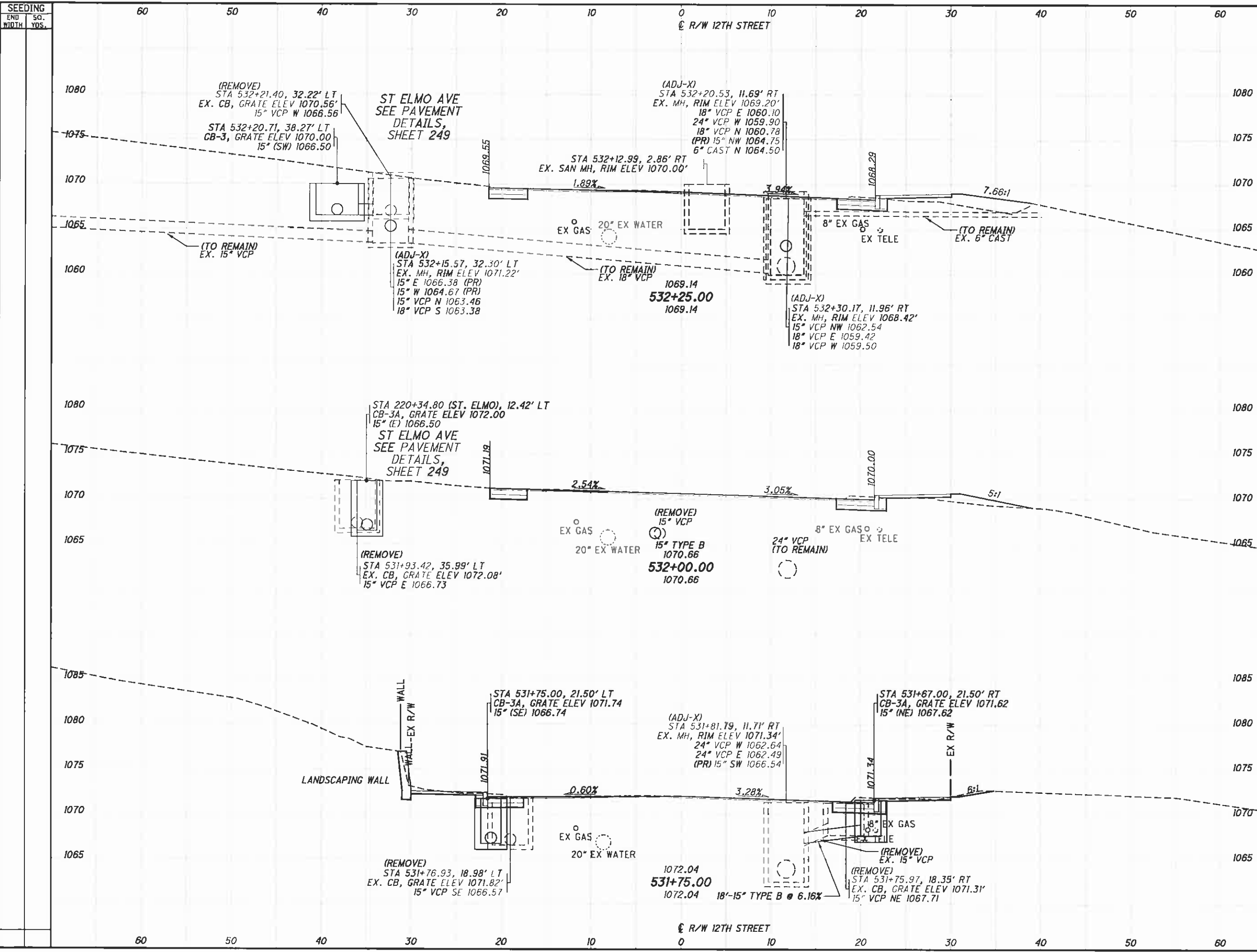


END STA	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
531+00.00				
531+25.00				
531+50.00				

STA-12TH STREET  
 CROSS SECTIONS - 12TH STREET  
 STA. 531+00.00 TO STA. 531+50.00  
 CALCULATED  
 CHECKED

178  
317

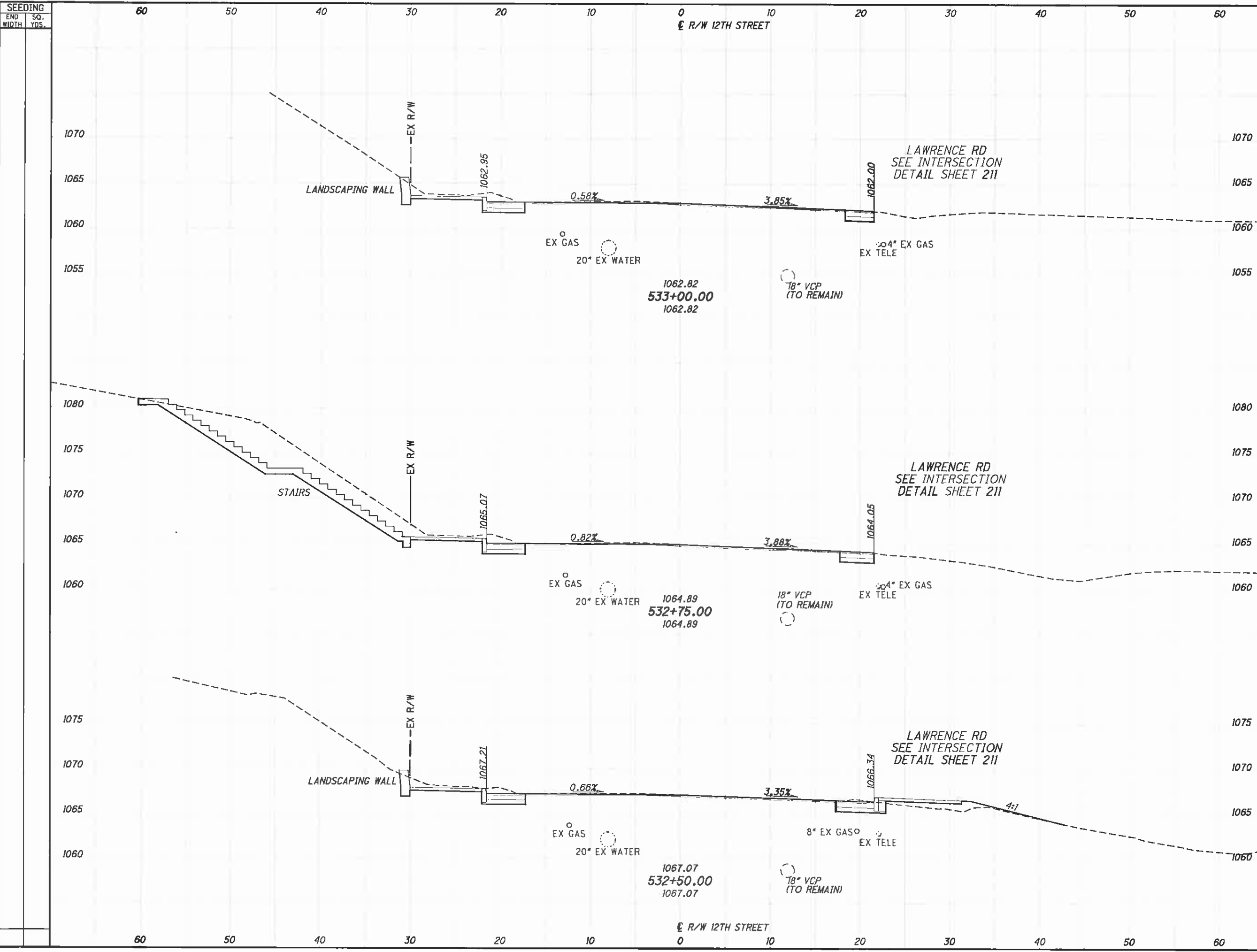
J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:35 PM dcbarhart\ ODOTVBI\_PDF\_Hoif.plt cfg ODOTVBI\_Pen-ME.lbt M-E Companies, Inc.



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
END WIDTH						
SO. YDS.						

**CROSS SECTIONS - 12TH STREET**  
**STA. 531+75.00 TO STA. 532+25.00**  
**STA-12TH STREET**  
 179  
 317

J:\TSA\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:37:36 PM dcbrnharl ODOTVBI\_PDF\_Half.pltcfq ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



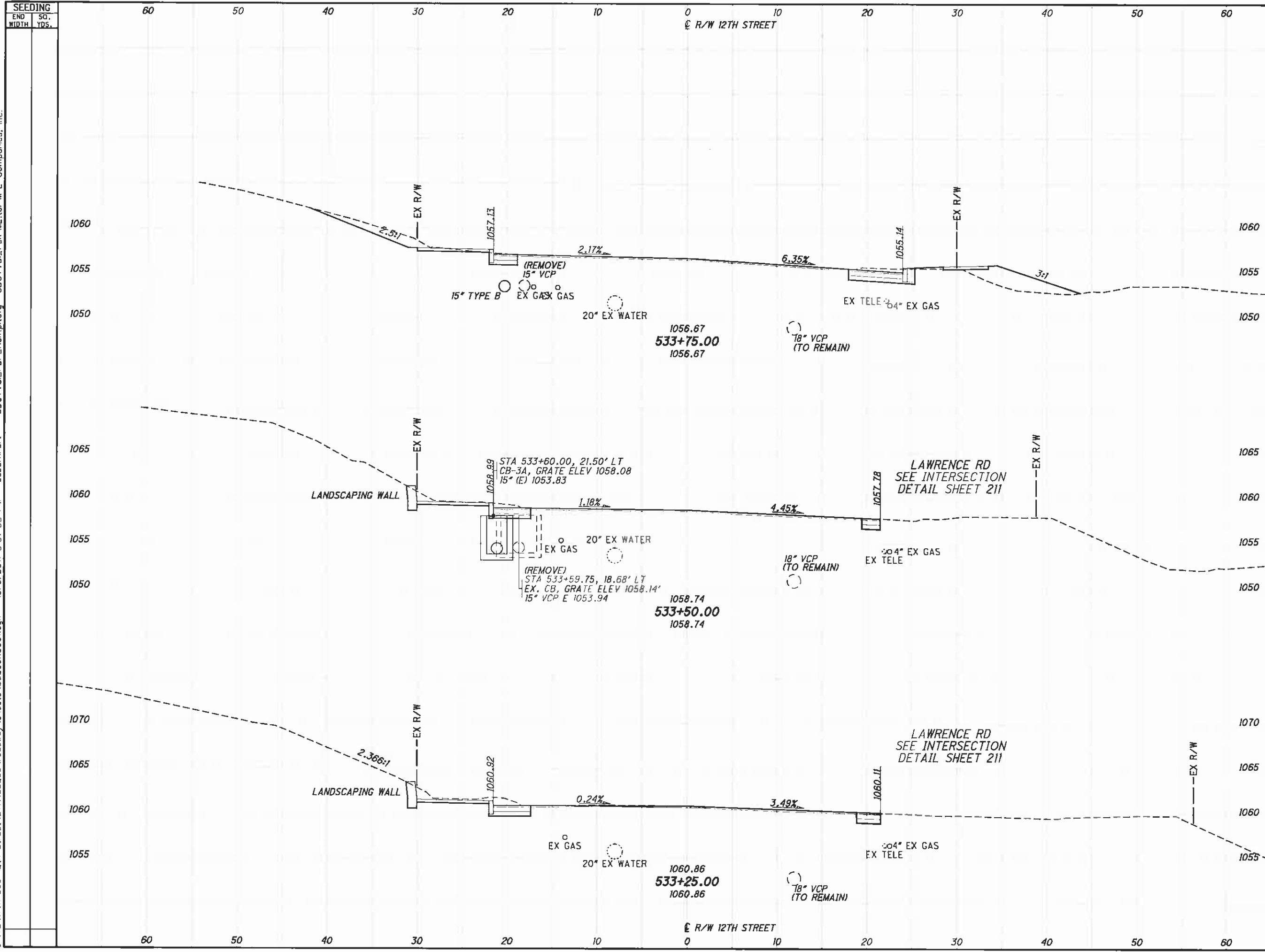
END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 532+50.00 TO STA. 533+00.00

STA-12TH STREET

180  
317

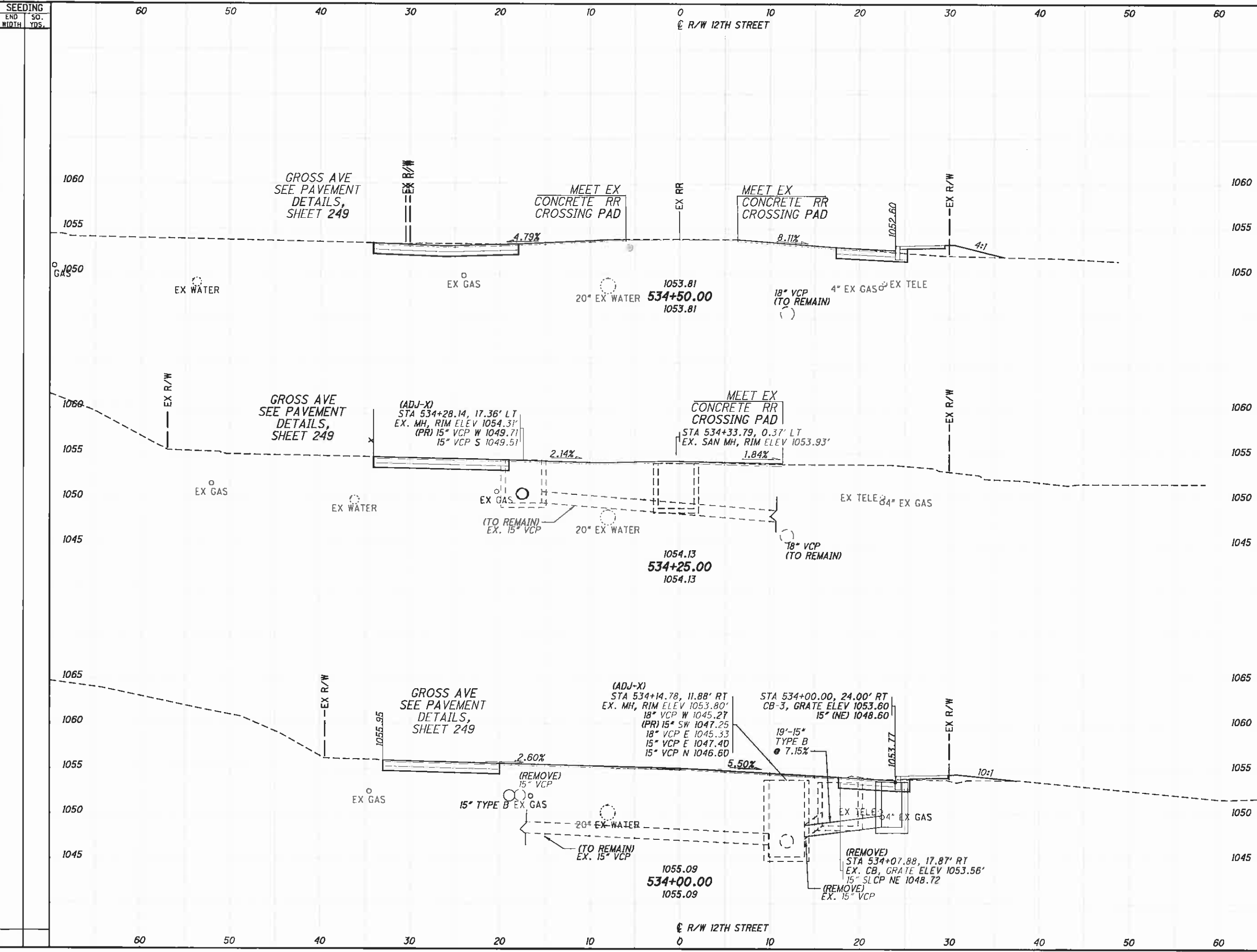
J:\TSN\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:37:38 PM dcbarhart ODOTVBI\_PDF\_Half.pltcf ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



END	AREA		VOLUME	
	CUT	FILL	CUT	FILL

**CROSS SECTIONS - 12TH STREET**  
**STA. 533+25.00 TO STA. 533+75.00**  
**STA-12TH STREET**  
 181  
 317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:40 PM dcbornhart\ ODOT\BI\_PDF\_Half.plt\cfig ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.

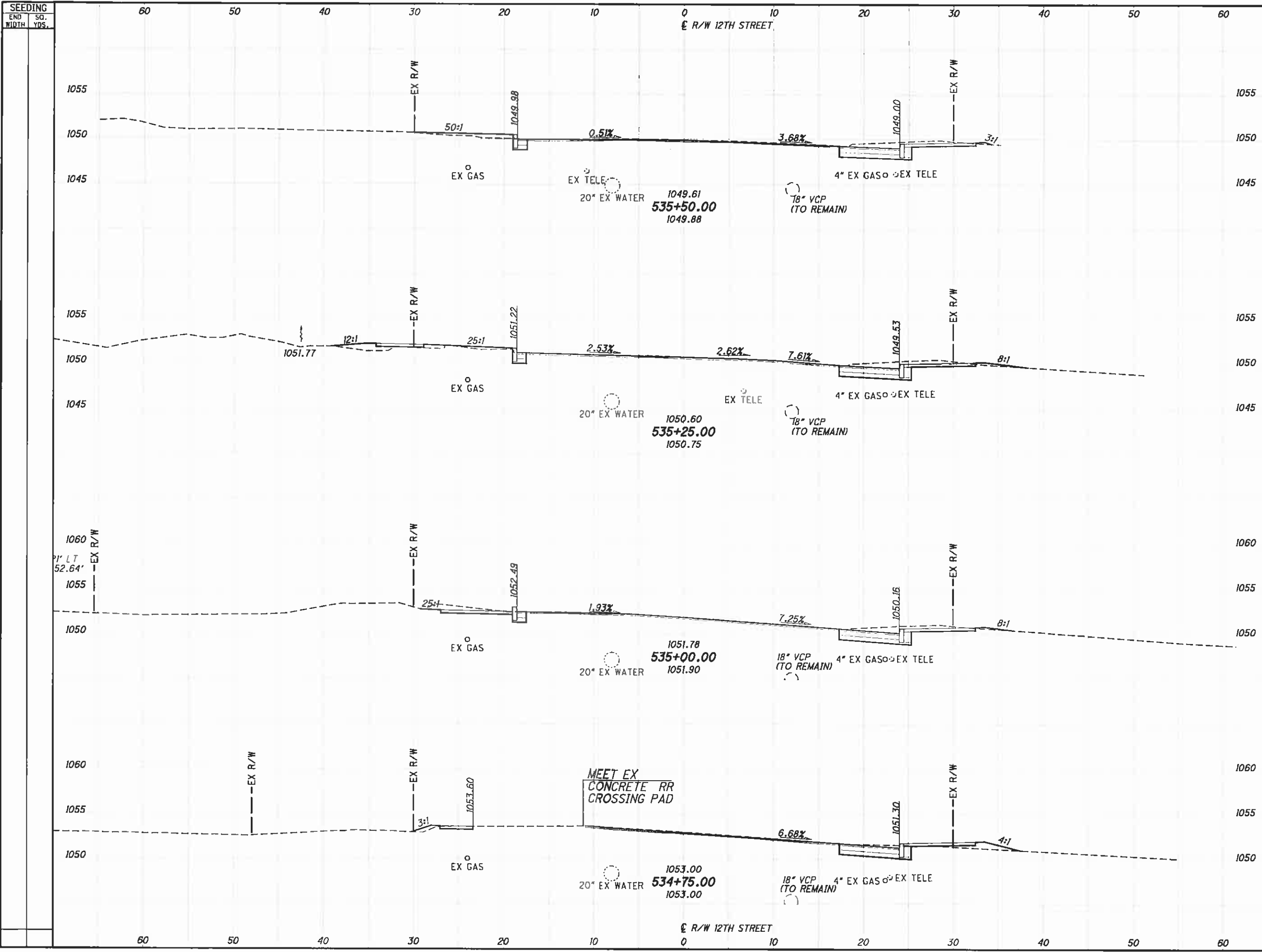


END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 534+00.00 TO STA. 534+50.00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:42 PM dcbarhart ODOTVBI\_PDF\_Half.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
535+50.00						
535+25.00						
535+00.00						
534+75.00						

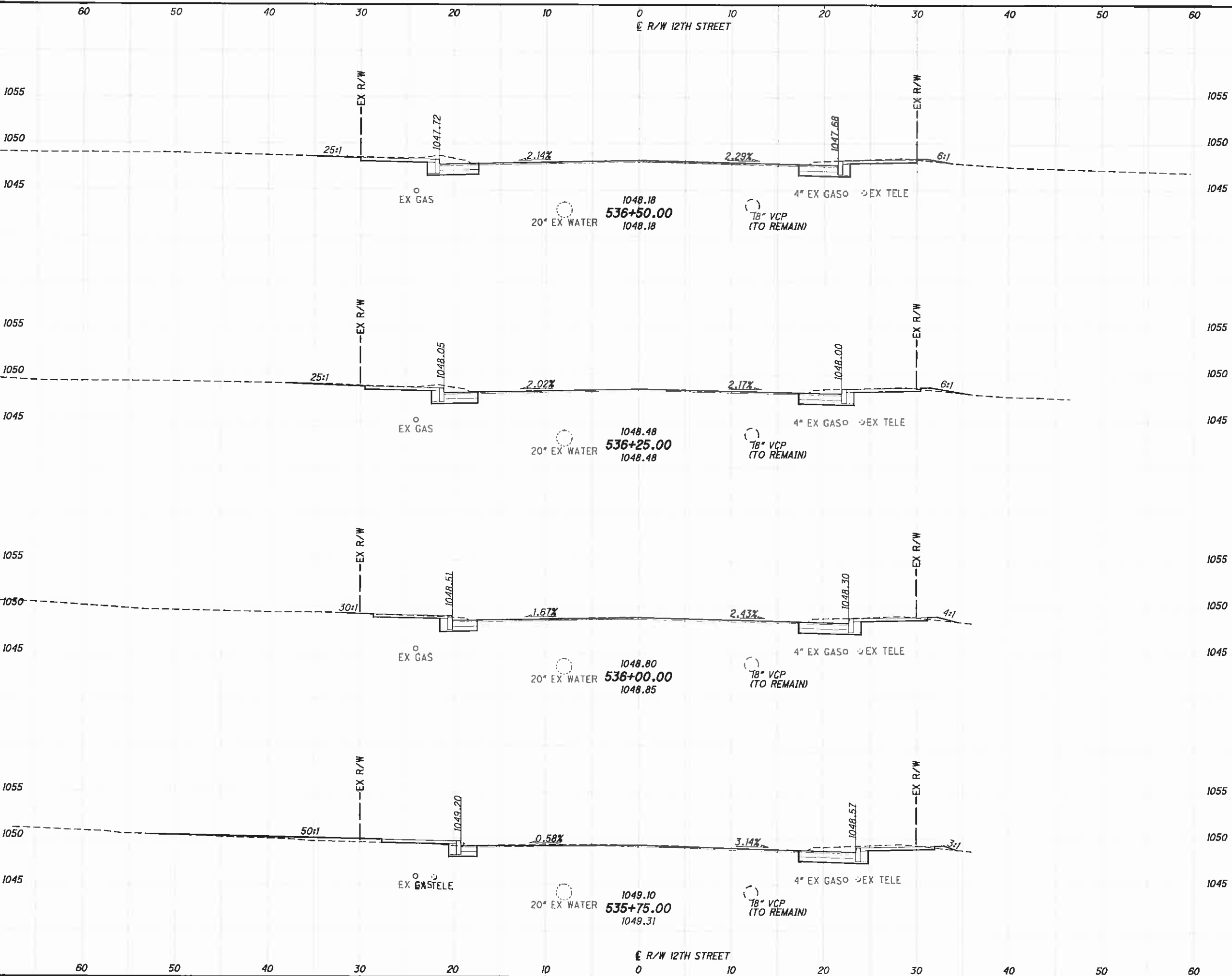
CROSS SECTIONS - 12TH STREET  
STA. 534+75.00 TO STA. 535+50.00

STA-12TH STREET

183  
317

J:\TSA\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:37:44 PM dcbarharL ODOT\B5\_PDF\_Hof.pltclg ODOT\B5\_Pen-ME.lbi M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.



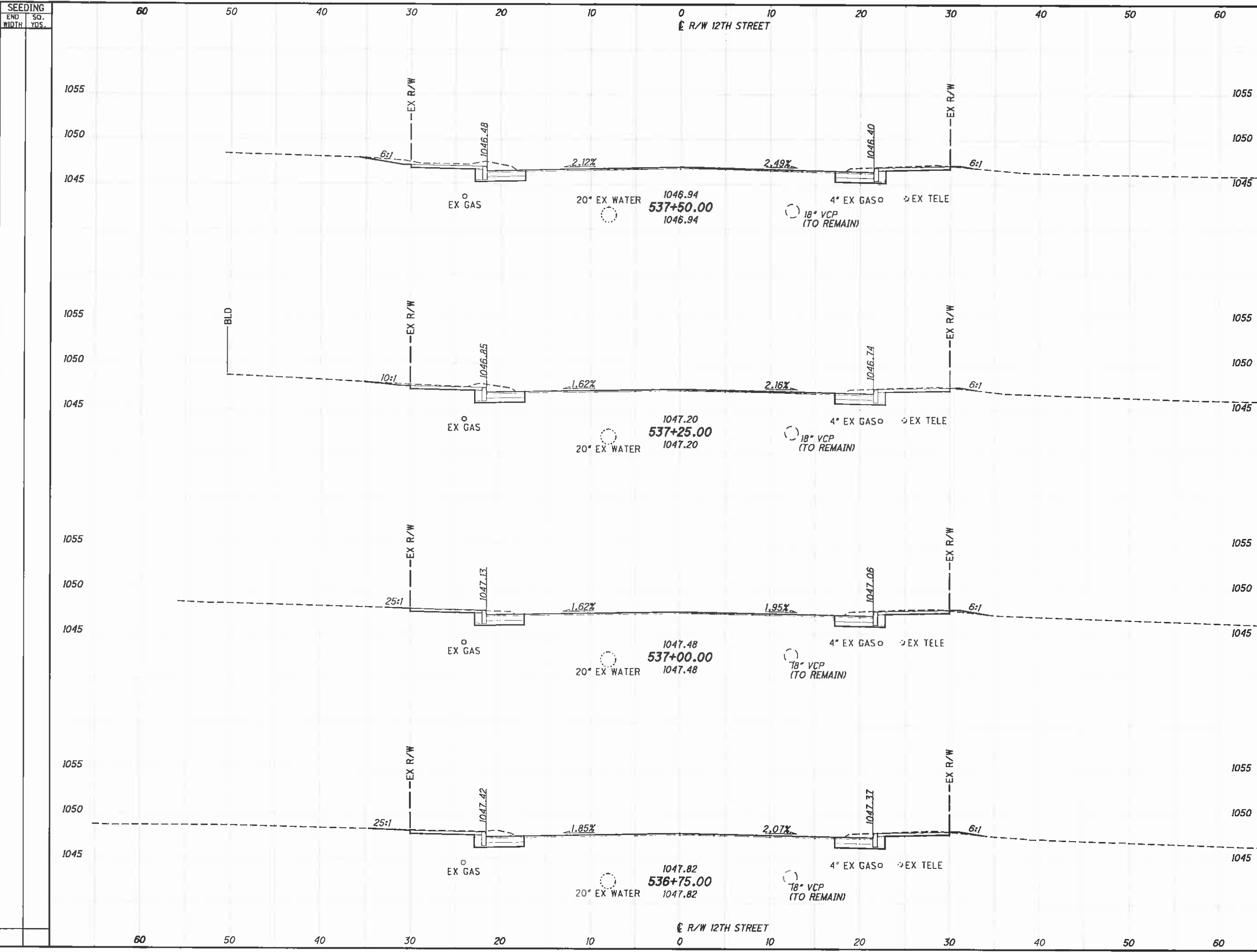
END AREA	VOLUME	CALCULATED	CHECKED

CROSS SECTIONS - 12TH STREET  
STA. 535+75.00 TO STA. 536+50.00

STA-12TH STREET



J:\TSA\11-060 12th Street\STA\B5299\roadway\sheels\B5299XS001.dgn 10/6/2011 3:37:45 PM dcbarhart ODOTVBI\_PDF\_Half.pltclg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



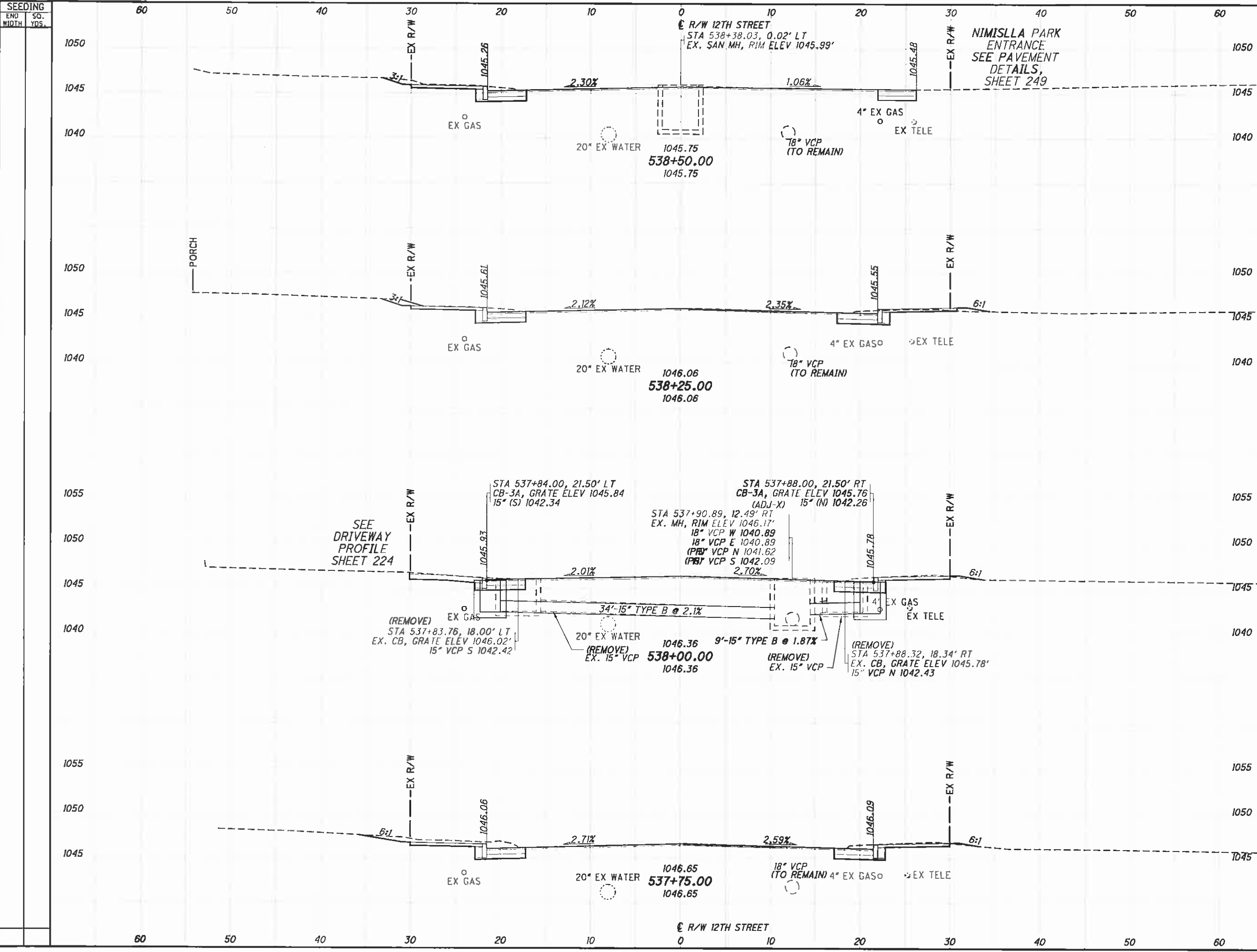
END WIDTH	SQ. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		
60							
50							
40							
30							
20							
10							
0							
10							
20							
30							
40							
50							
60							

CROSS SECTIONS - 12TH STREET  
 STA. 536+75.00 TO STA. 537+50.00

STA-12TH STREET

185  
317

J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:47 PM dcbarthar.L ODOT\Bi\_PDF\_Half.plt\cig ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.



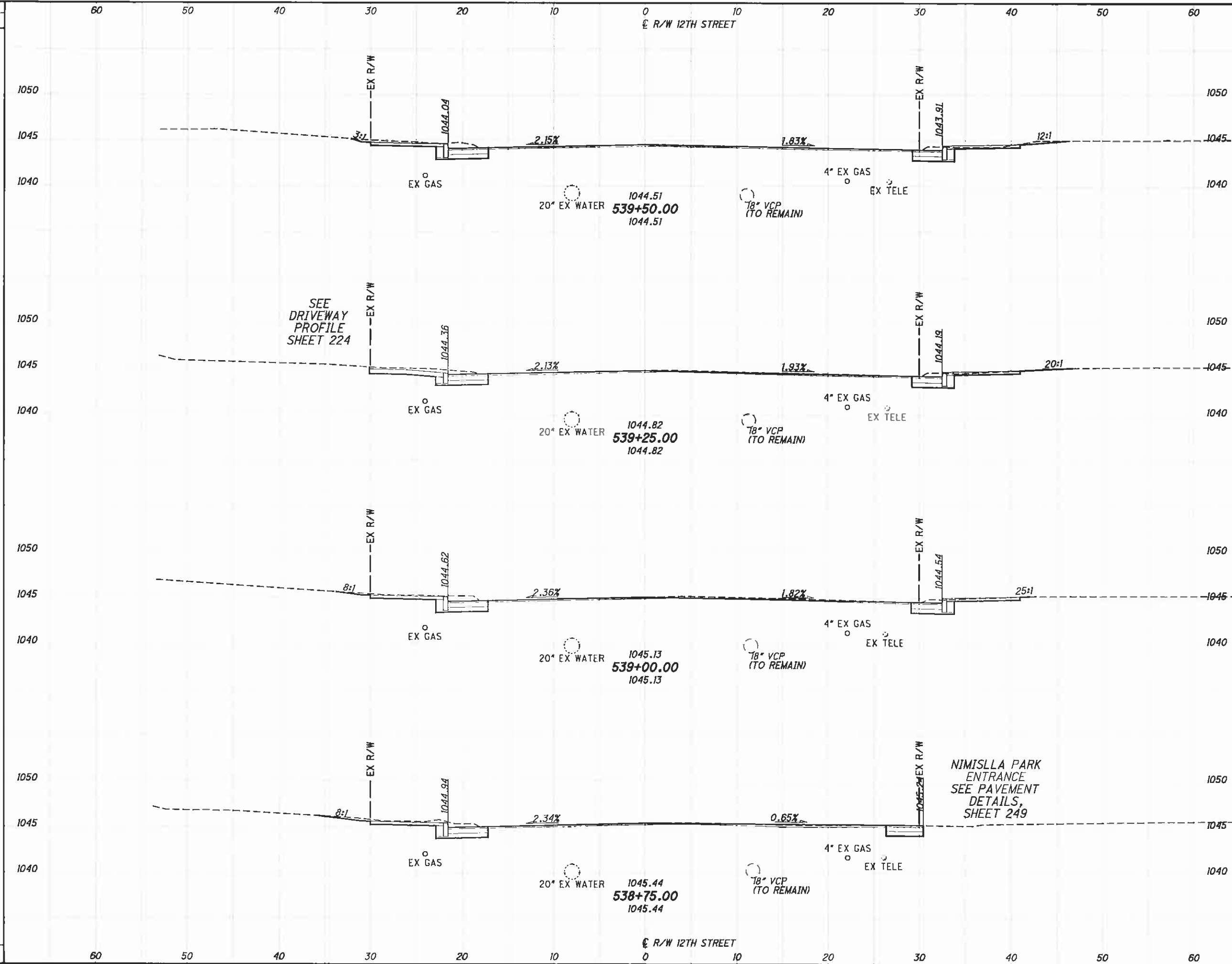
END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
537+75.00						
538+50.00						

**CROSS SECTIONS - 12TH STREET**  
**STA. 537+75.00 TO STA. 538+50.00**

**STA-12TH STREET**

SEEDING  
END SQ.  
WIDTH YDS.

J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS001.dgn 10/6/2011 3:37:49 PM dcbarthart' ODOTV8i\_PDF\_Half.pltcfq ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.



END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

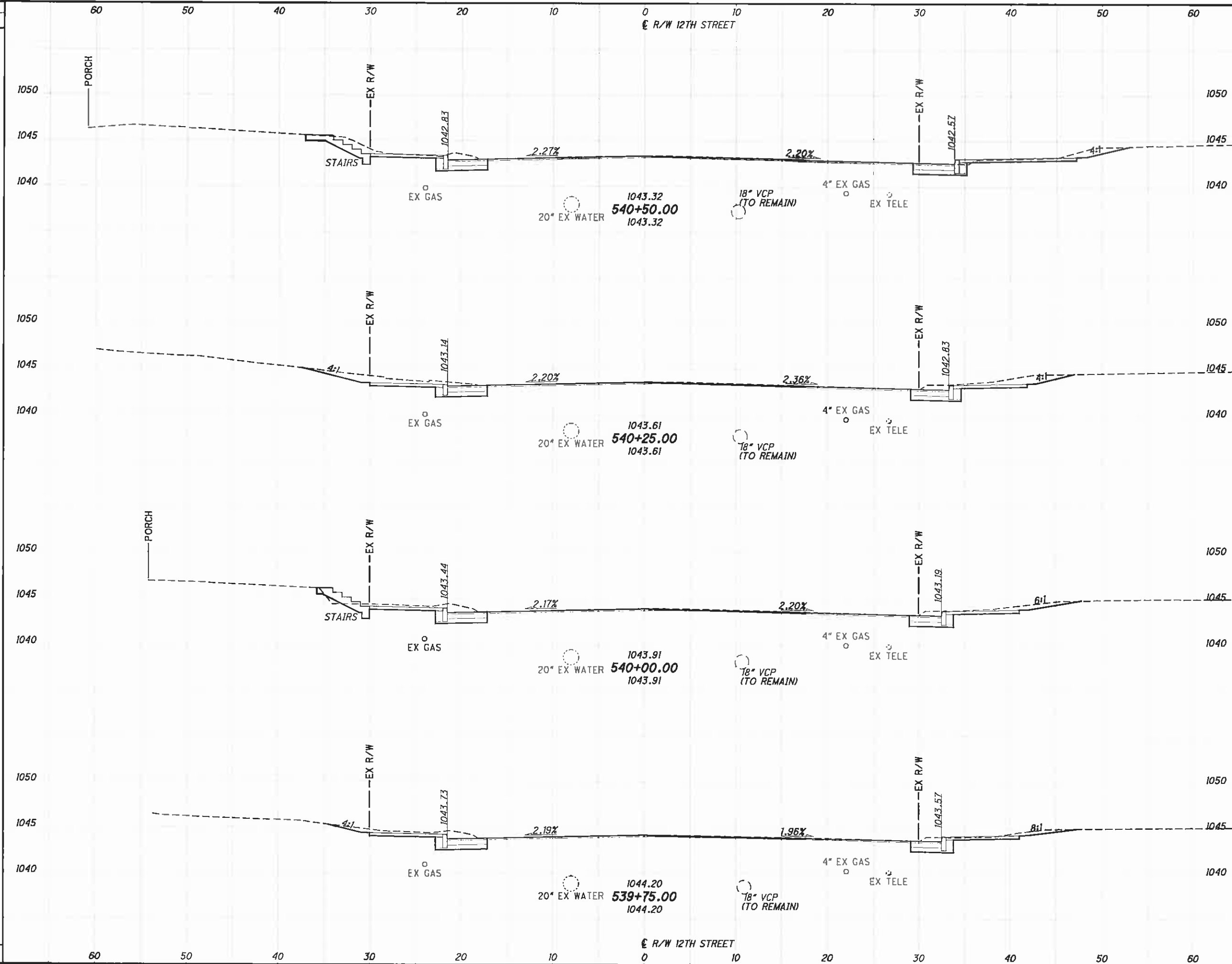
CROSS SECTIONS - 12TH STREET  
STA. 538+75.00 TO STA. 539+50.00

STA-12TH STREET

187  
317

J:\TSA\111-060 12th Street\STA\85289\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:51 PM dcbarhart ODOTVBI\_PDF\_Half.pltcf ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

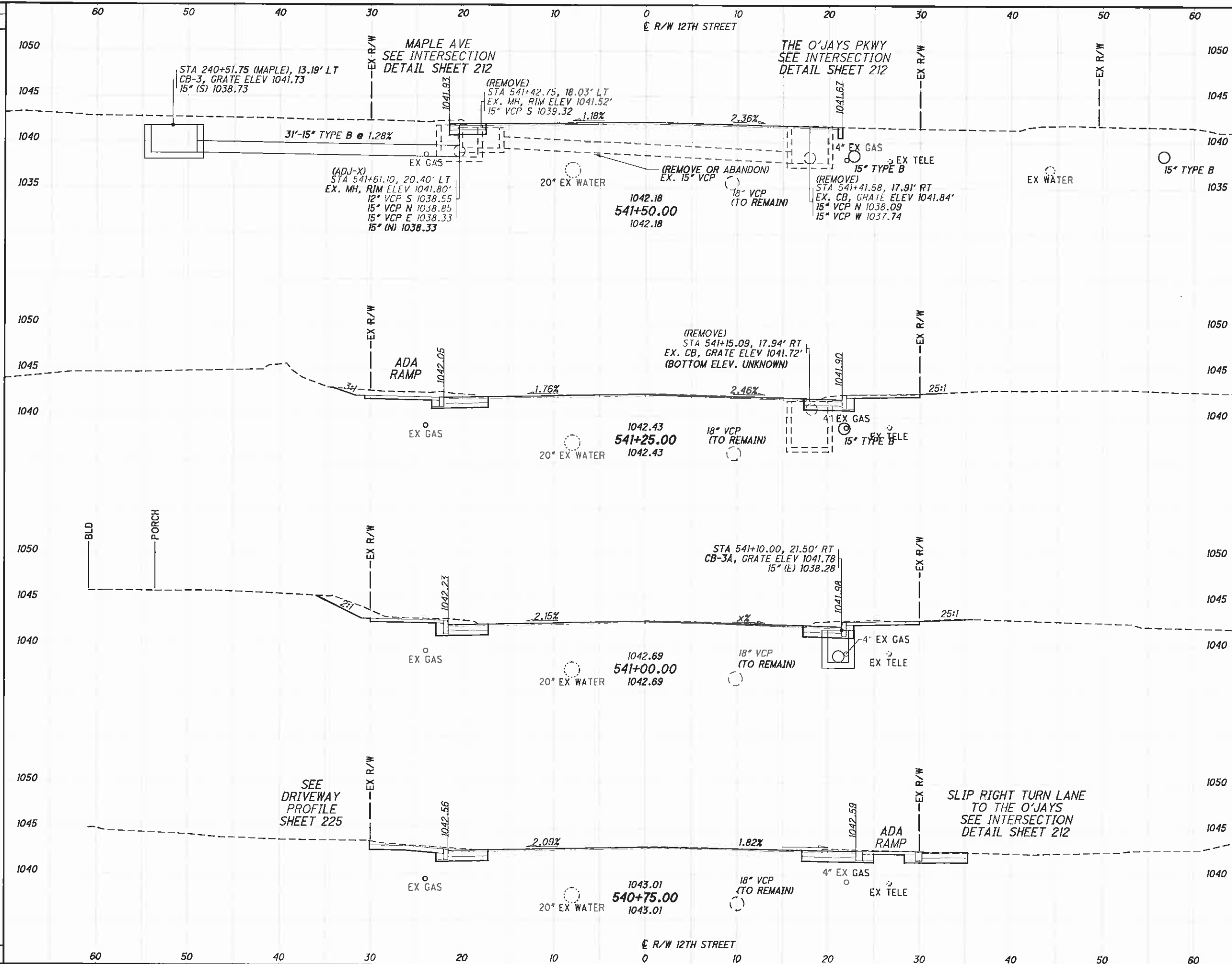
SEEDING	
END WIDTH	SO. YDS.



END STA.	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
539+75.00				
540+00.00				
540+50.00				
541+00.00				

**CROSS SECTIONS - 12TH STREET**  
**STA. 539+75.00 TO STA. 540+50.00**  
**STA-12TH STREET**

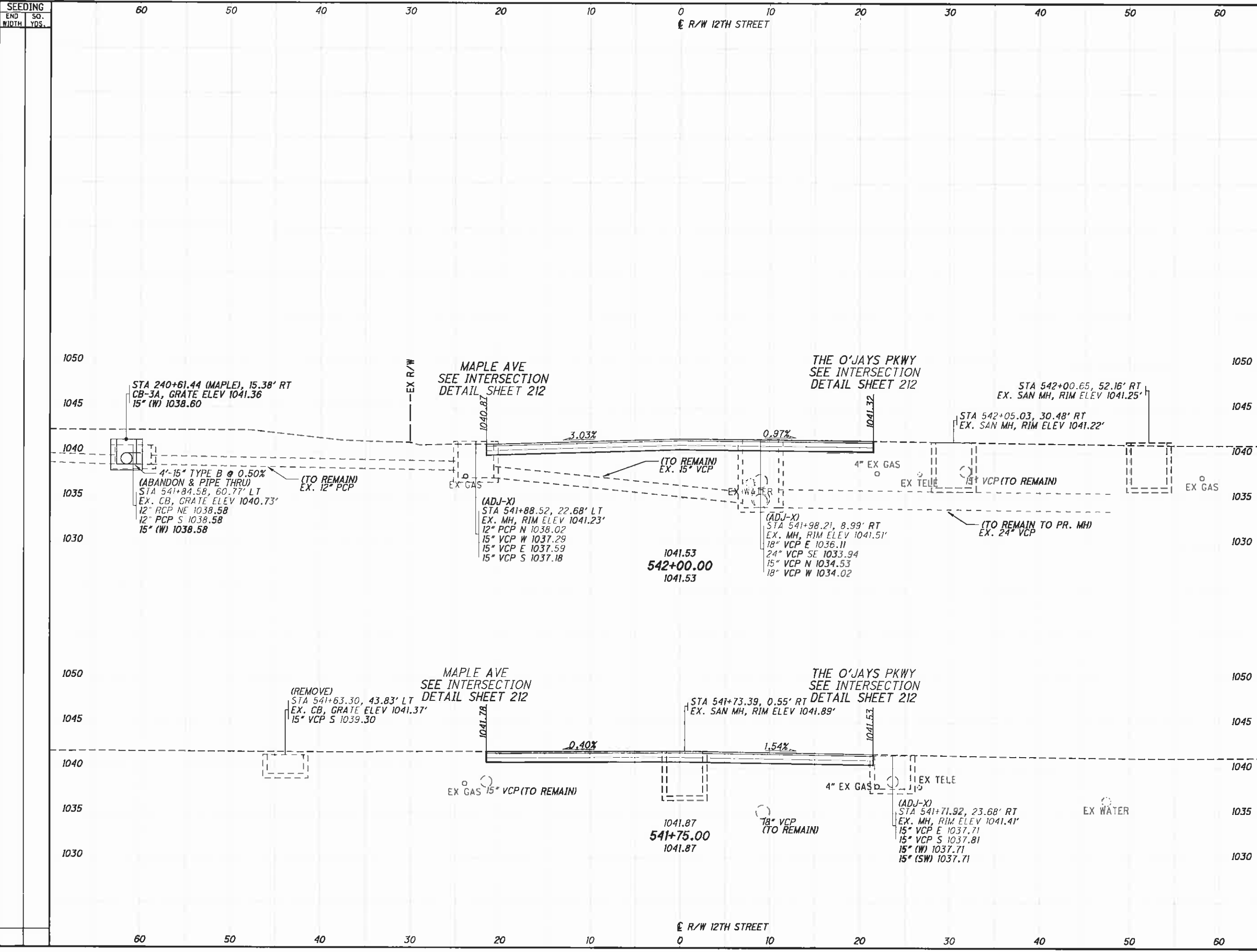
SEEDING  
 END WIDTH SQ. YDS.  
 J:\15\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299X5001.dgn 10/6/2011 3:37:53 PM dcbarnhart ODOT\B5\_Pen-ME.lbi M+E Companies, Inc.



END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
 STA. 540+75.00 TO STA. 541+50.00  
 STA-12TH STREET  
 189  
 317

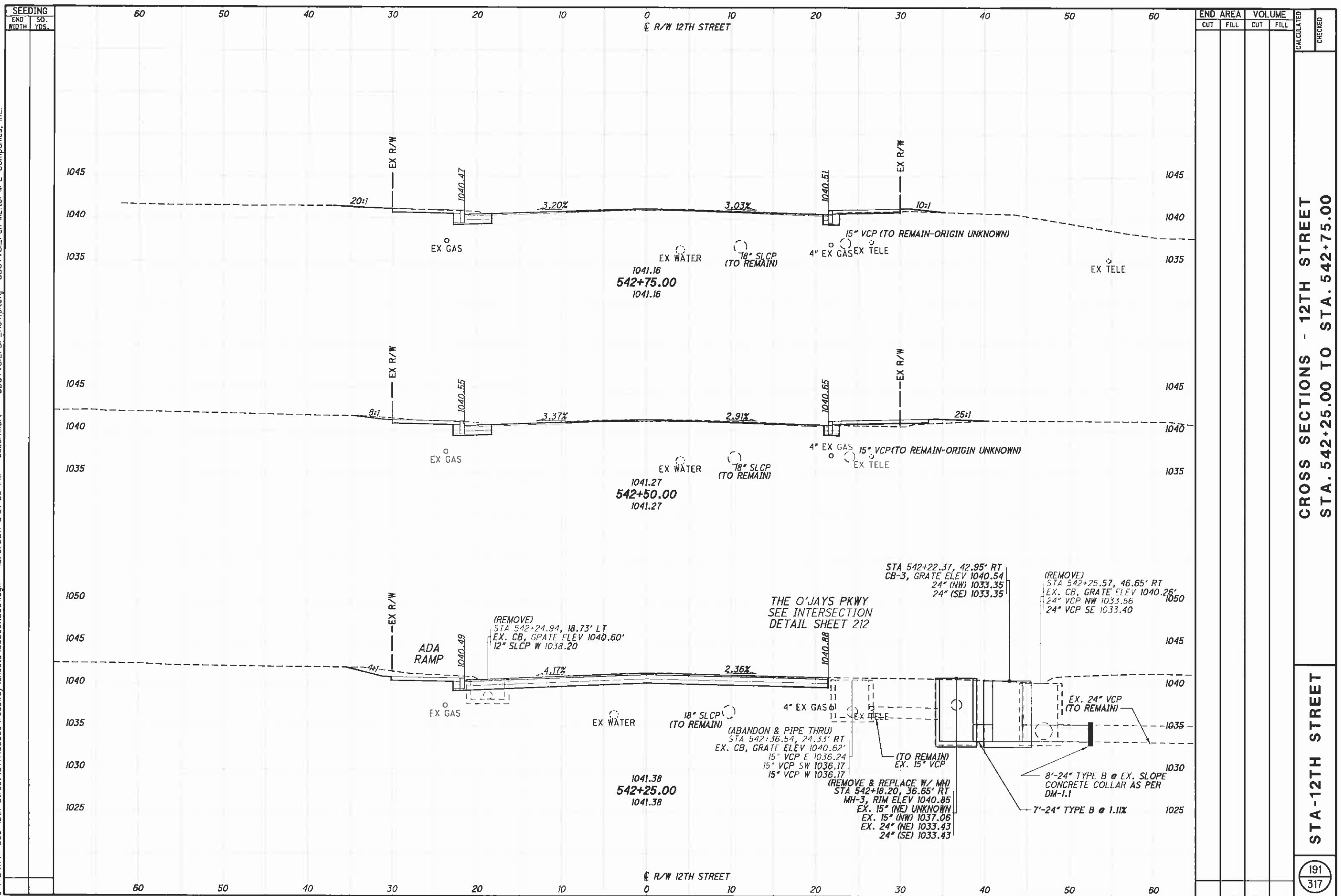
J:\TSA\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:54 PM dcbarharl ODOT\Bi\_PDF\_Half.pltcfq ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.



END NO. / WIDTH	AREA SQ. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		

**STA-12TH STREET**  
**CROSS SECTIONS - 12TH STREET**  
**STA. 541+75.00 TO STA. 542+00.00**  
 190  
 317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299XS001.dgn 10/6/2011 3:37:56 PM dcbarhart\ ODOT\B\PDF\_Half\pitcfig ODOT\B\Pen-ME.tbl M-E Companies, Inc.



SEEDING	END SO.	
	WIDTH	YDS.

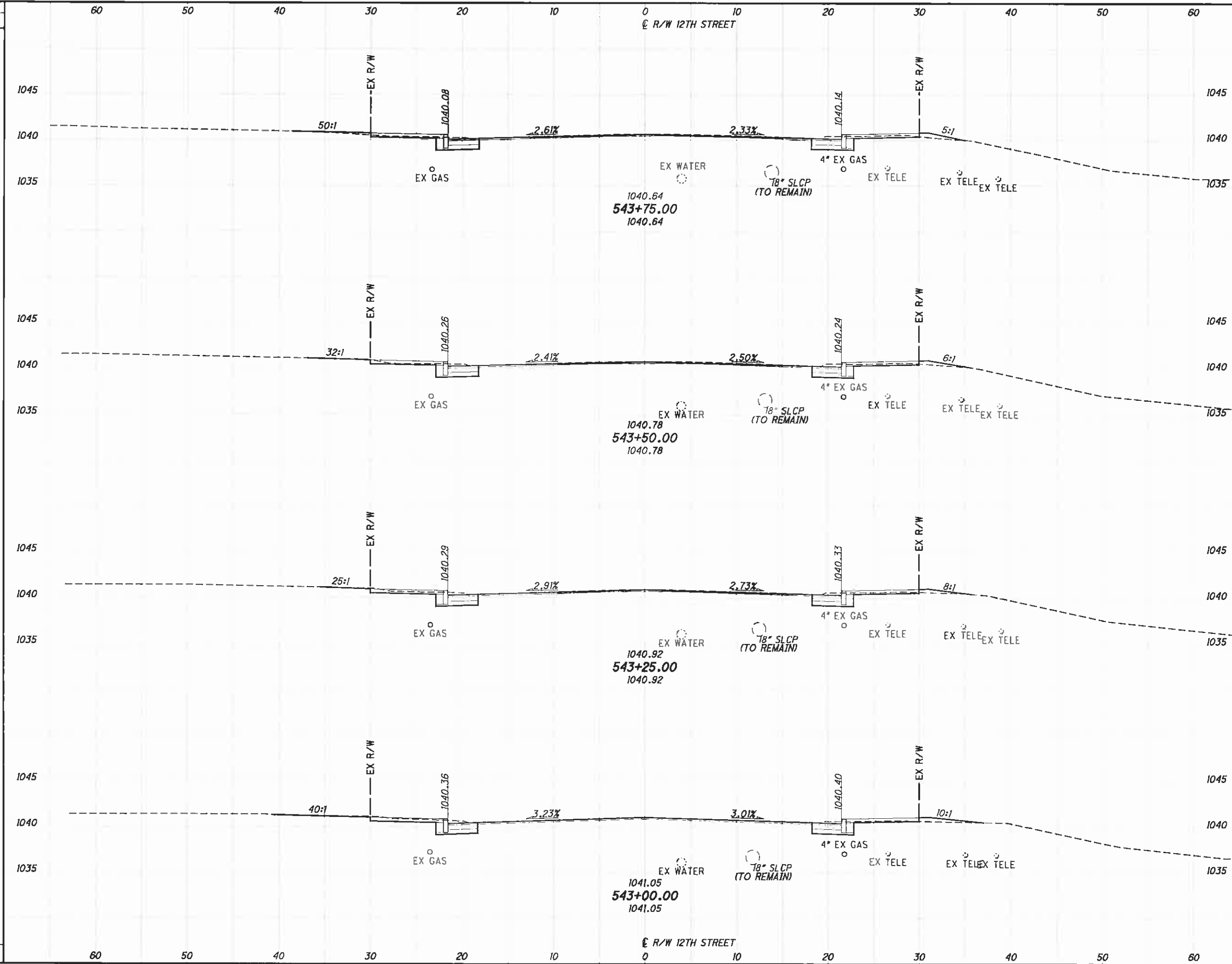
END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

CROSS SECTIONS - 12TH STREET  
STA. 542+25.00 TO STA. 542+75.00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS001.dgn 10/6/2011 3:37:58 PM dcbarhart' ODOTV8i\_PDF\_Half.plt cfig ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SQ. YDS.

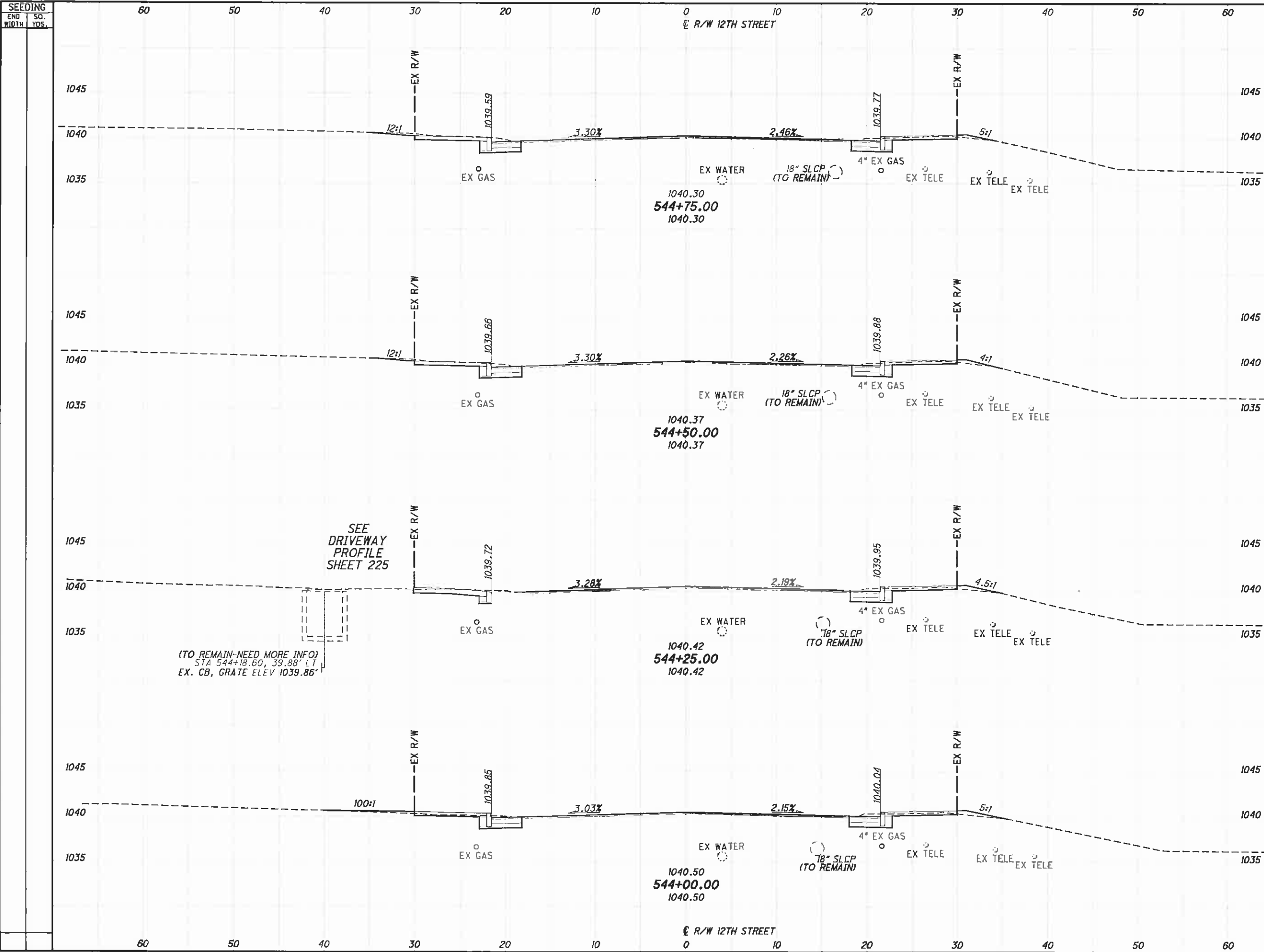


END	AREA		VOLUME	
	CUT	FILL	CUT	FILL

CROSS SECTIONS - 12TH STREET  
 STA. 543+00.00 TO STA. 543+75.00  
 STA-12TH STREET  
 192  
 317



J:\TSA\11-060 12th Street\STA\B5299\roadway\sheets\B5299X5001.dgn 10/6/2011 3:38:00 PM dcbarhart ODOT\B5\_PDF\_Half.plt cfg ODOT\B5\_Pen-ME.tbl M-E Companies, Inc.



(TO REMAIN-NEED MORE INFO)  
 STA 544+18.60, 39.88' LT  
 EX. CB, GRATE ELEV 1039.86'

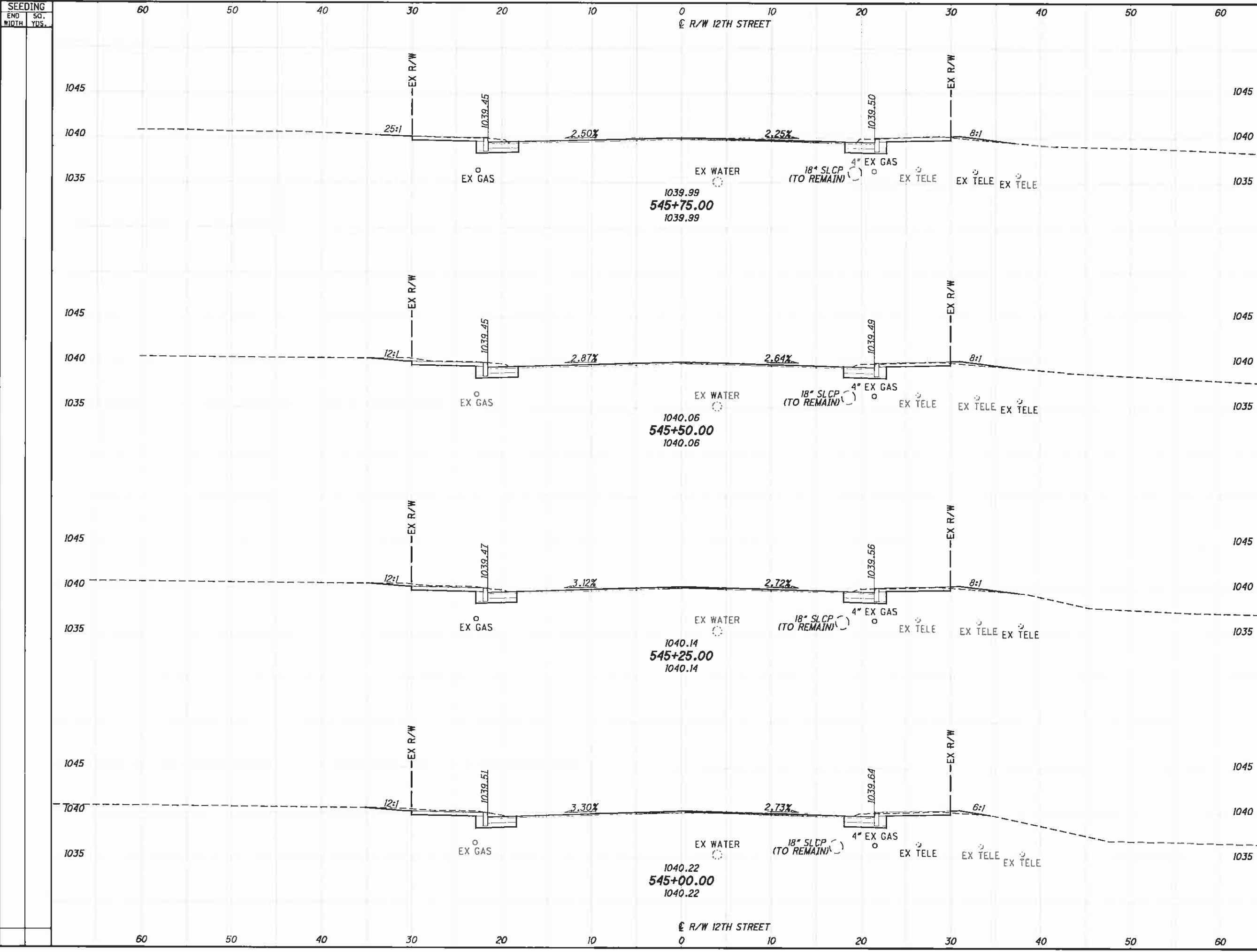
SEE  
 DRIVEWAY  
 PROFILE  
 SHEET 225

END STA	AREA	VOLUME		CALCULATED	CHECKED
		CUT	FILL		
544+75.00					
544+50.00					
544+25.00					
544+00.00					

CROSS SECTIONS - 12TH STREET  
 STA. 544+00.00 TO STA. 544+75.00

STA-12TH STREET

J:\TSA\11-060 12th Street\STA\B5299\roadway\sheets\B5299X5001.dgn 10/6/2011 3:38:02 PM dcbarhart ODOTVBi\_PDF\_Half.plt cfbg ODOTVBi\_Pen-ME.tbl M-E Companies, Inc.



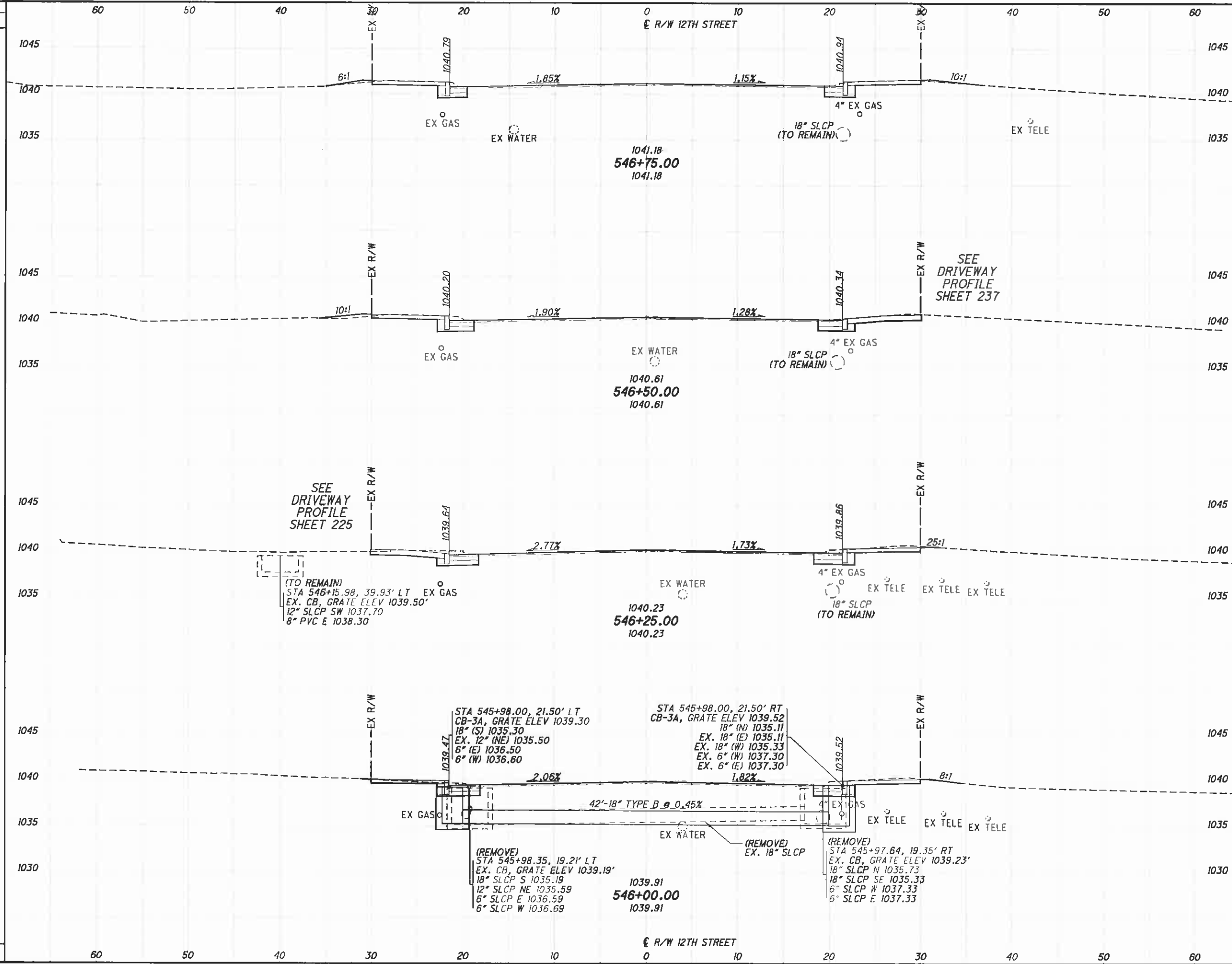
END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
545+75.00						
545+50.00						
545+25.00						
545+00.00						

CROSS SECTIONS - 12TH STREET  
STA. 545+00.00 TO STA. 545+75.00

STA-12TH STREET

SEEDING  
END SQ.  
WIDTH YDS.

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299X5001.dgn 10/6/2011 3:38:03 PM dcbornhart ODOTVBi\_PDF\_Half.plt c:\p\ME.tbl M-E Companies, Inc.

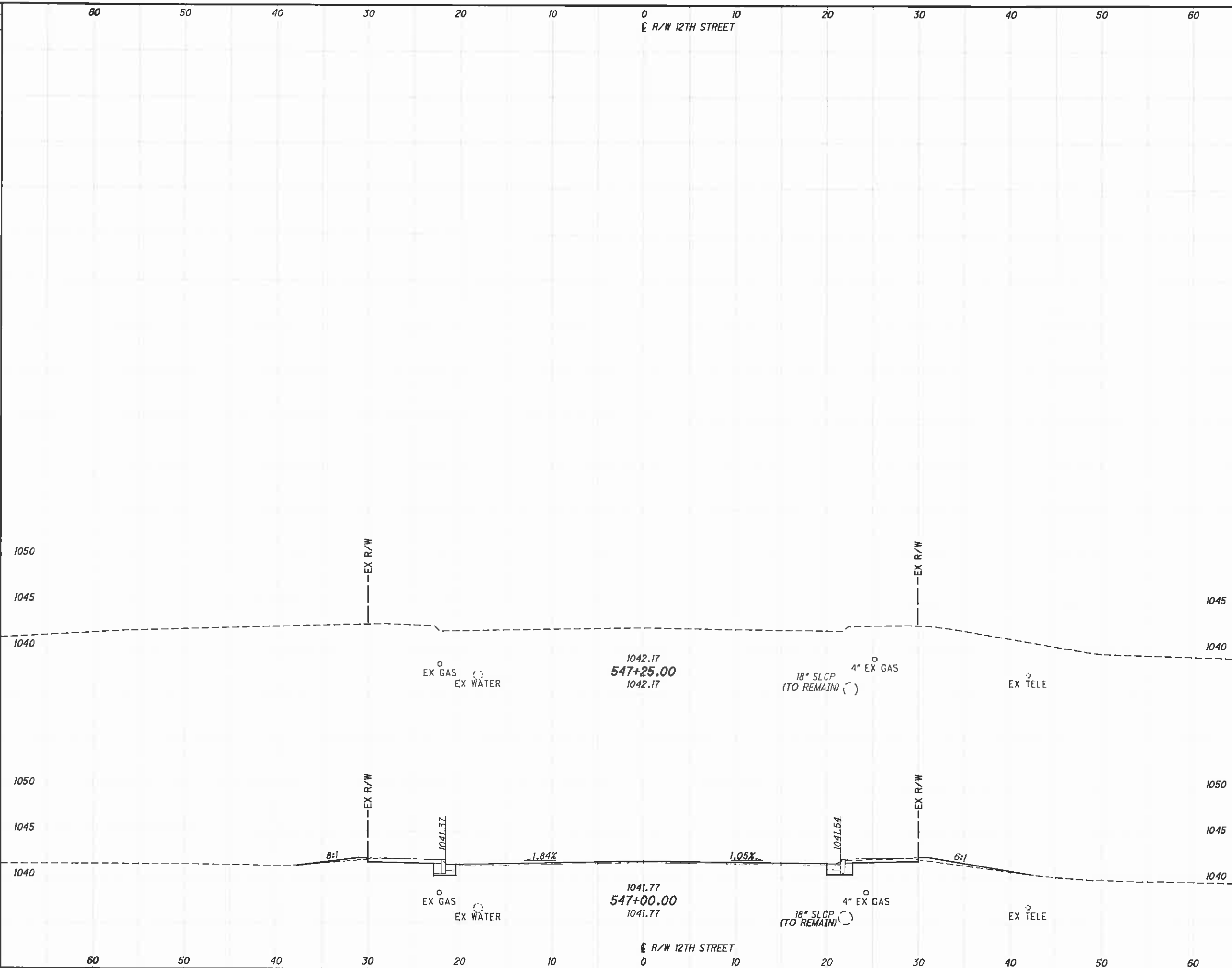


END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
546+00.00				
546+75.00				

STA-12TH STREET  
 CROSS SECTIONS - 12TH STREET  
 STA. 546+00.00 TO STA. 546+75.00  
 CALCULATED  
 CHECKED  
 195  
 317

J:\TSS\11.17-060 12th Street\STA\85299\roadway\sheet\85299X500.dgn 10/6/2011 3:38:05 PM dcbarhart ODOTV8i\_PDF\_Half.plt c:\g\odotv8i\_pen-me.tbl M-E Companies, Inc.

SEEDING  
END SO.  
WIDTH YDS.



END CUT	AREA FILL	VOLUME CUT	VOLUME FILL	CALCULATED	CHECKED

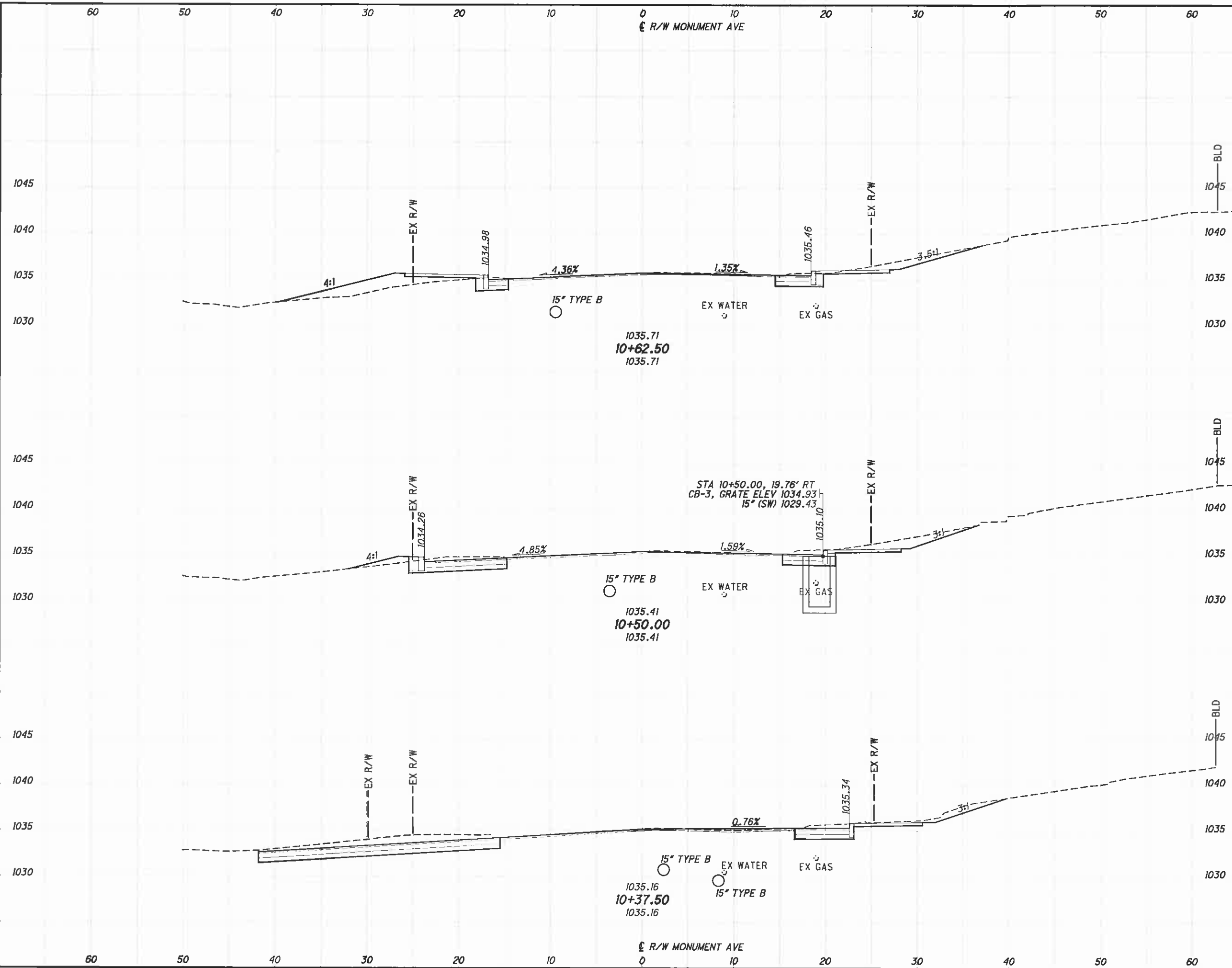
CROSS SECTIONS - 12TH STREET  
STA. 547+00.00 TO STA. 574+25.00

STA-12TH STREET

196  
317

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299XS007.dgn 10/6/2011 3:38:07 PM dcbarnhart ODOTVBI\_PDF\_Half.plt cfg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING  
END WIDTH SQ. YDS.



END CUT	AREA CUT	FILL	VOLUME CUT	VOLUME FILL	CALCULATED	CHECKED

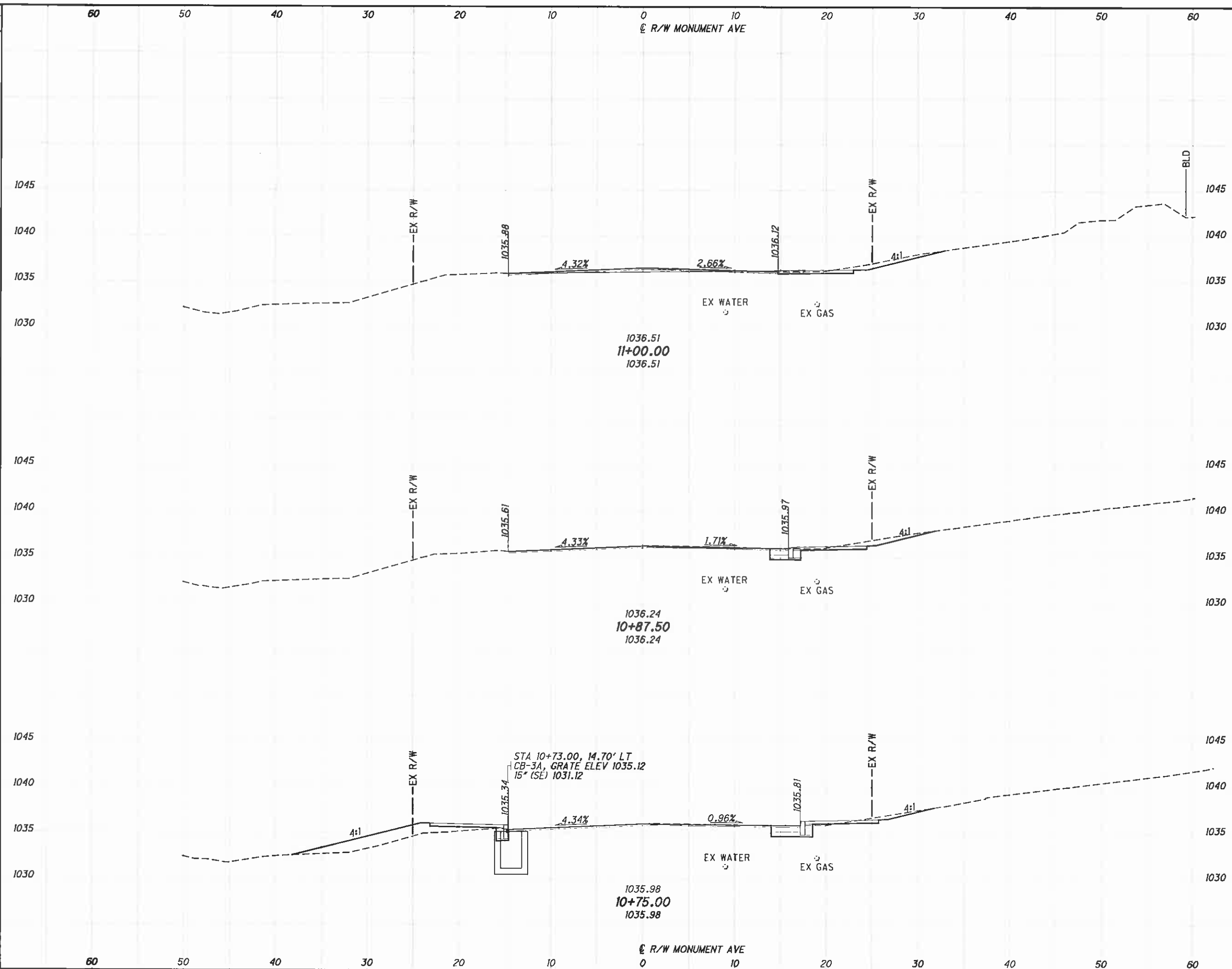
CROSS SECTIONS - MONUMENT AVE  
STA. 10+37.50 TO STA. 10+62.50

STA-12TH STREET

197  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299XS007.dgn 10/6/2011 3:38:07 PM dcbarhart 000TV6\_PDF\_Half.plt cfg 000TV8\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

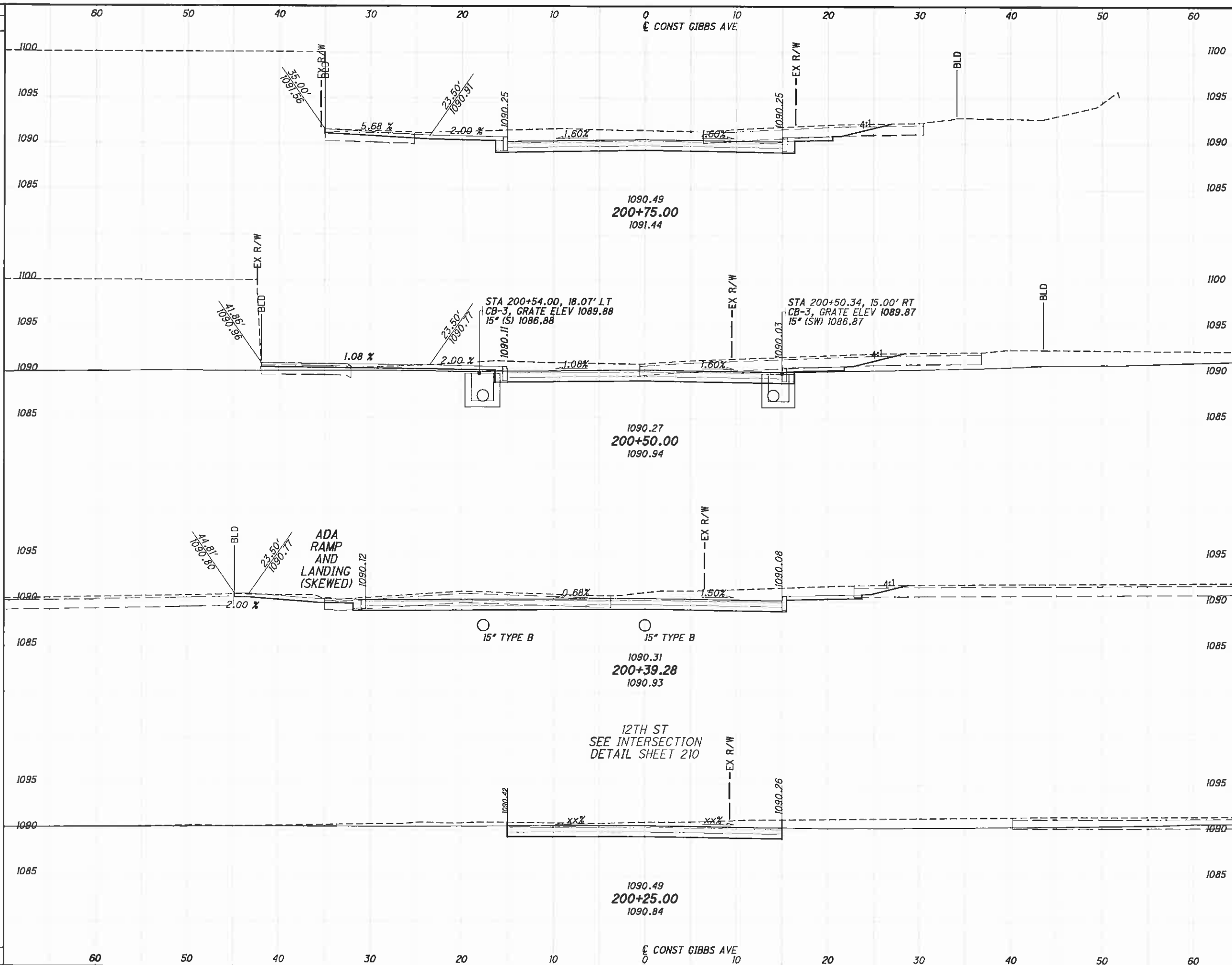


END CUT	AREA CUT	FILL	VOLUME CUT	VOLUME FILL	CALCULATED	CHECKED

CROSS SECTIONS - MONUMENT AVE  
STA. 10+75.00 TO STA. 11+00.00

STA-12TH STREET

J:\TSS\11-060 12th Street\STA\85299\roadway\sheet\85299XS005.dgn 10/6/2011 3:38:08 PM dcbarrhart ODOTV81\_PDF\_Half.plt cfig ODOTV81\_Pan-ME.tbl M-E Companies, Inc.



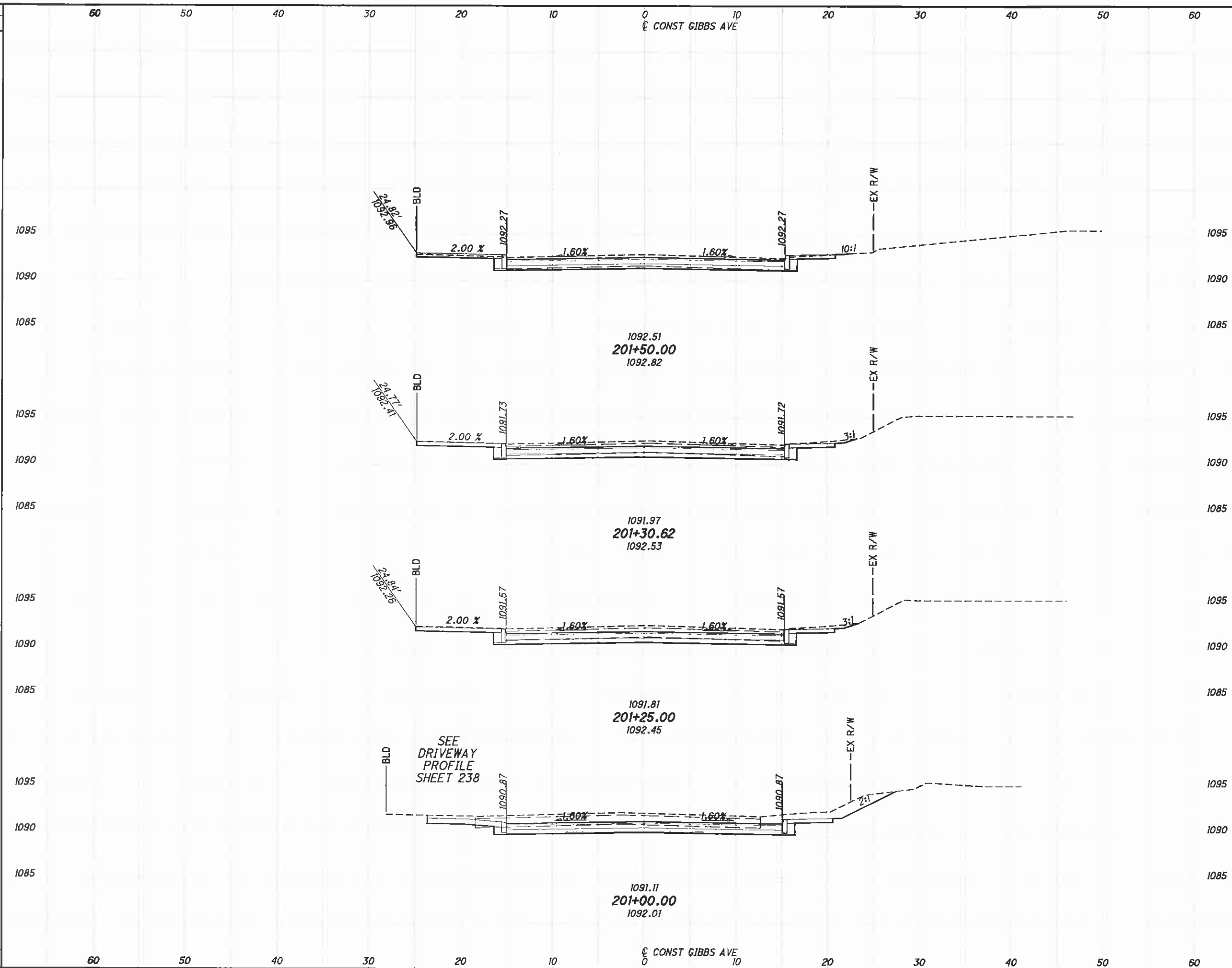
END STA	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
200+25.00						
200+39.28						
200+50.00						
200+75.00						

**CROSS SECTIONS GIBBS AVE**  
**STA. 200+25.00 TO STA. 200+75.00**

**STA-12TH STREET**

J:\T\S\11-060 12th Street\STA\B5299\roadway\sheet\B5299X5005.dgn 10/6/2011 3:38:09 PM debarhart ODOTVBI\_PDF\_Half.plt ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING  
END SO.  
WIDTH YDS.



END CUT	AREA CUT	FILL	AREA FILL	VOLUME		CALCULATED	CHECKED
				CUT	FILL		

CROSS SECTIONS GIBBS AVE  
STA. 201+00.00 TO STA. 201+50.00

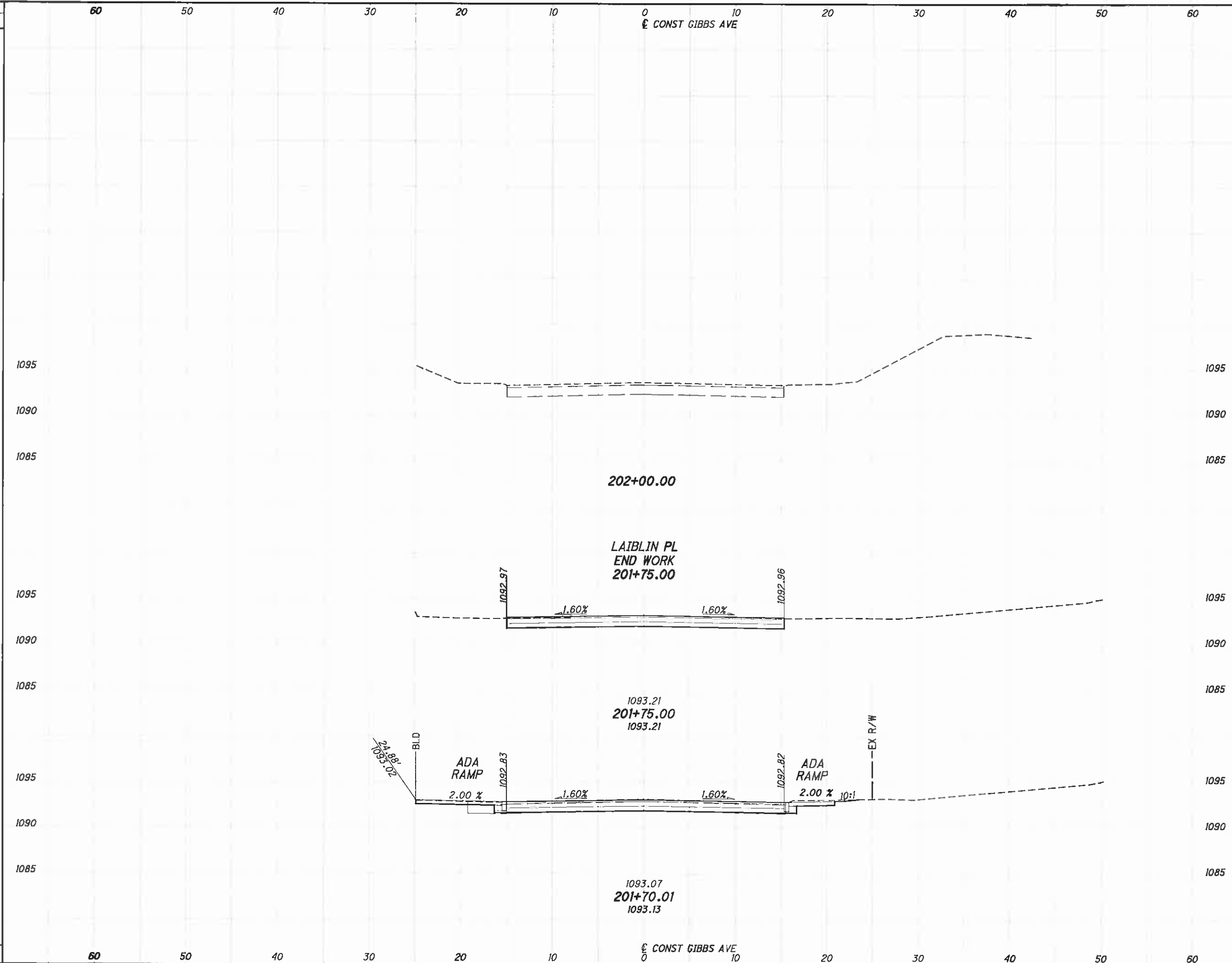
STA-12TH STREET

200  
317



SEEDING  
END SO.  
WIDTH YOS.

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299X5005.dgn 10/6/2011 3:38:17 PM dcbarhart ODOTV81\_PDF\_Half.pltcfq ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		

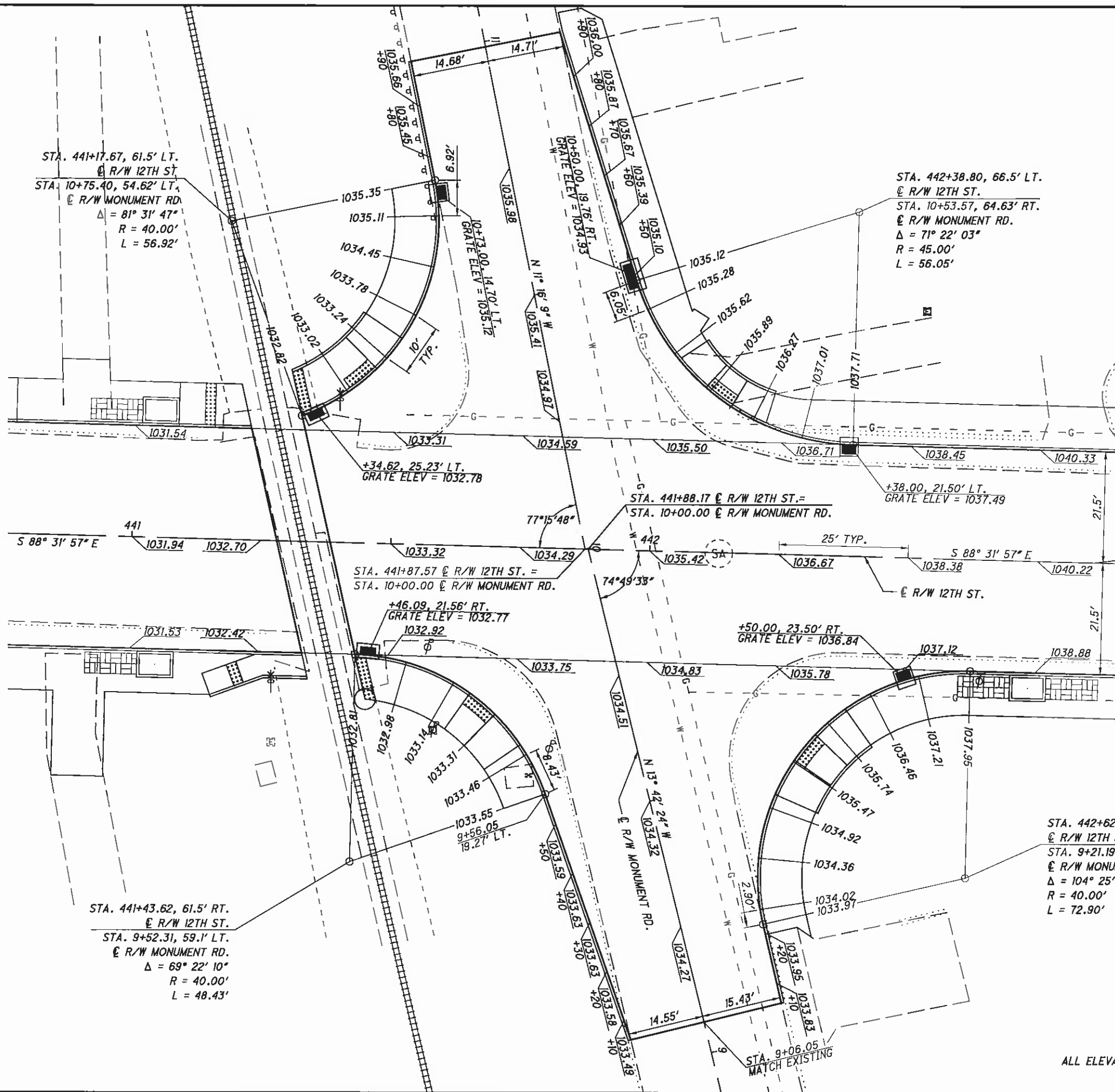
CROSS SECTIONS GIBBS AVE  
STA. 201+70.01 TO STA. 202+00.00

STA-12TH STREET

201  
317

CONST GIBBS AVE

J:\TSS\11-060 12th Street\STA\85299\roadway\sheet\85299G001.dgn 10/6/2011 3:38:20 PM dcbarhart ODOT\B\PDF\_half.plt\c\g ODOT\B\Pen-NE.tbl M-E Companies, Inc.



STA. 441+17.67, 61.5' LT.  
 @ R/W 12TH ST.  
 STA. 10+75.40, 54.62' LT.  
 @ R/W MONUMENT RD.  
 $\Delta = 81^\circ 31' 47''$   
 $R = 40.00'$   
 $L = 56.92'$

STA. 442+38.80, 66.5' LT.  
 @ R/W 12TH ST.  
 STA. 10+53.57, 64.63' RT.  
 @ R/W MONUMENT RD.  
 $\Delta = 71^\circ 22' 03''$   
 $R = 45.00'$   
 $L = 56.05'$

+34.62, 25.23' LT.  
 GRATE ELEV = 1032.78

STA. 441+88.17 @ R/W 12TH ST. =  
 STA. 10+00.00 @ R/W MONUMENT RD.

+38.00, 21.50' LT.  
 GRATE ELEV = 1037.49

STA. 441+87.57 @ R/W 12TH ST. =  
 STA. 10+00.00 @ R/W MONUMENT RD.

+46.09, 21.56' RT.  
 GRATE ELEV = 1032.77

+50.00, 23.50' RT.  
 GRATE ELEV = 1036.84

STA. 441+43.62, 61.5' RT.  
 @ R/W 12TH ST.  
 STA. 9+52.31, 59.1' LT.  
 @ R/W MONUMENT RD.  
 $\Delta = 69^\circ 22' 10''$   
 $R = 40.00'$   
 $L = 48.43'$

STA. 442+62.48, 61.5' RT.  
 @ R/W 12TH ST.  
 STA. 9+21.19, 55.63' RT.  
 @ R/W MONUMENT RD.  
 $\Delta = 104^\circ 25' 25''$   
 $R = 40.00'$   
 $L = 72.90'$

STA. 9+06.05  
 MATCH EXISTING

ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.

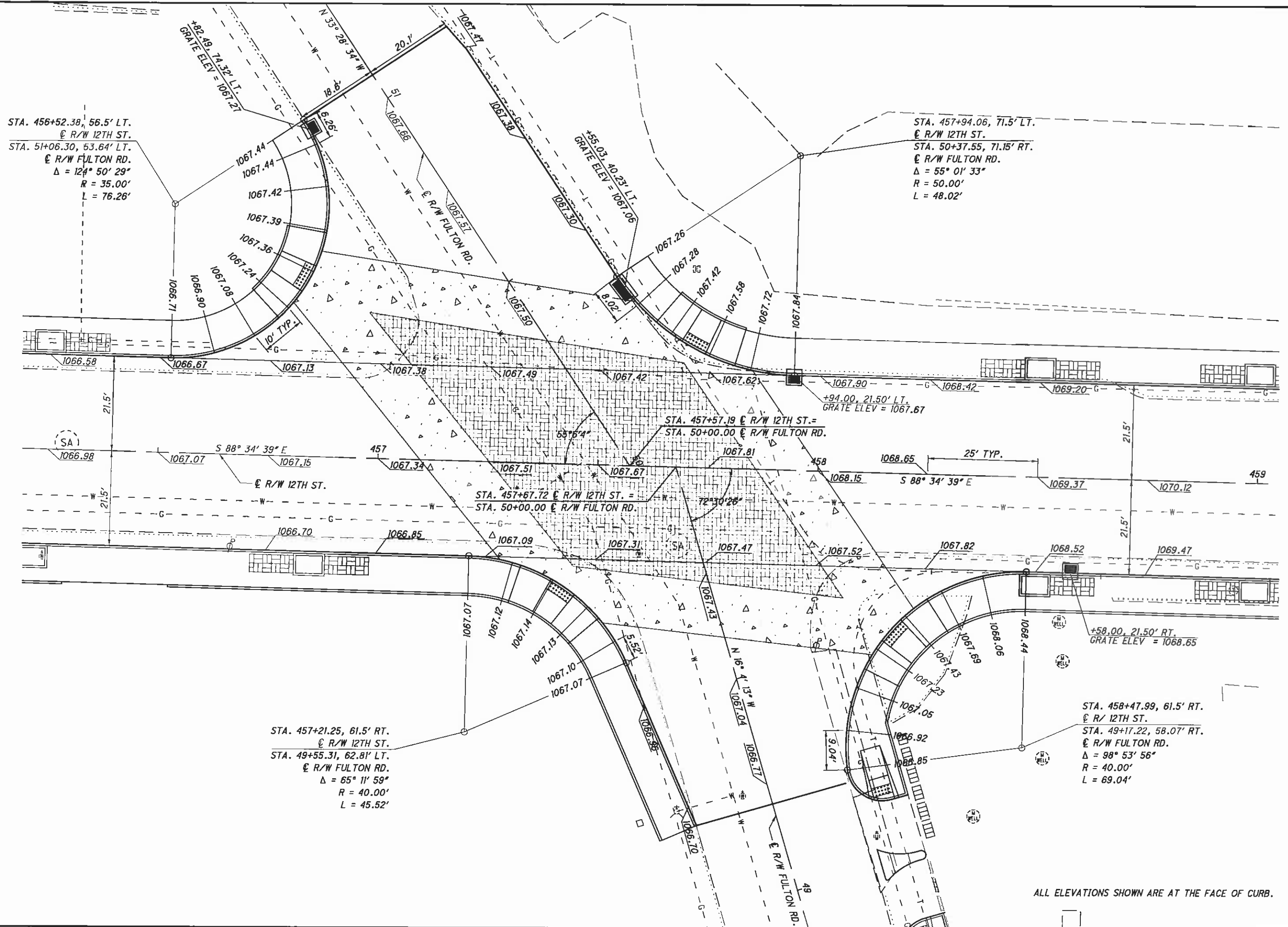
0 10 20  
 HORIZONTAL SCALE IN FEET

CALCULATED	KOD
CHECKED	RWK

INTERSECTION DETAIL  
 12TH STREET AND MONUMENT ROAD

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299G002.dgn 10/6/2011 3:38:22 PM dcbarhart\ ODOT\B1\_PDF\_Half.plt\cfig ODOT\B1\_Pen-ME.tbi M-E Companies, Inc.



ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.

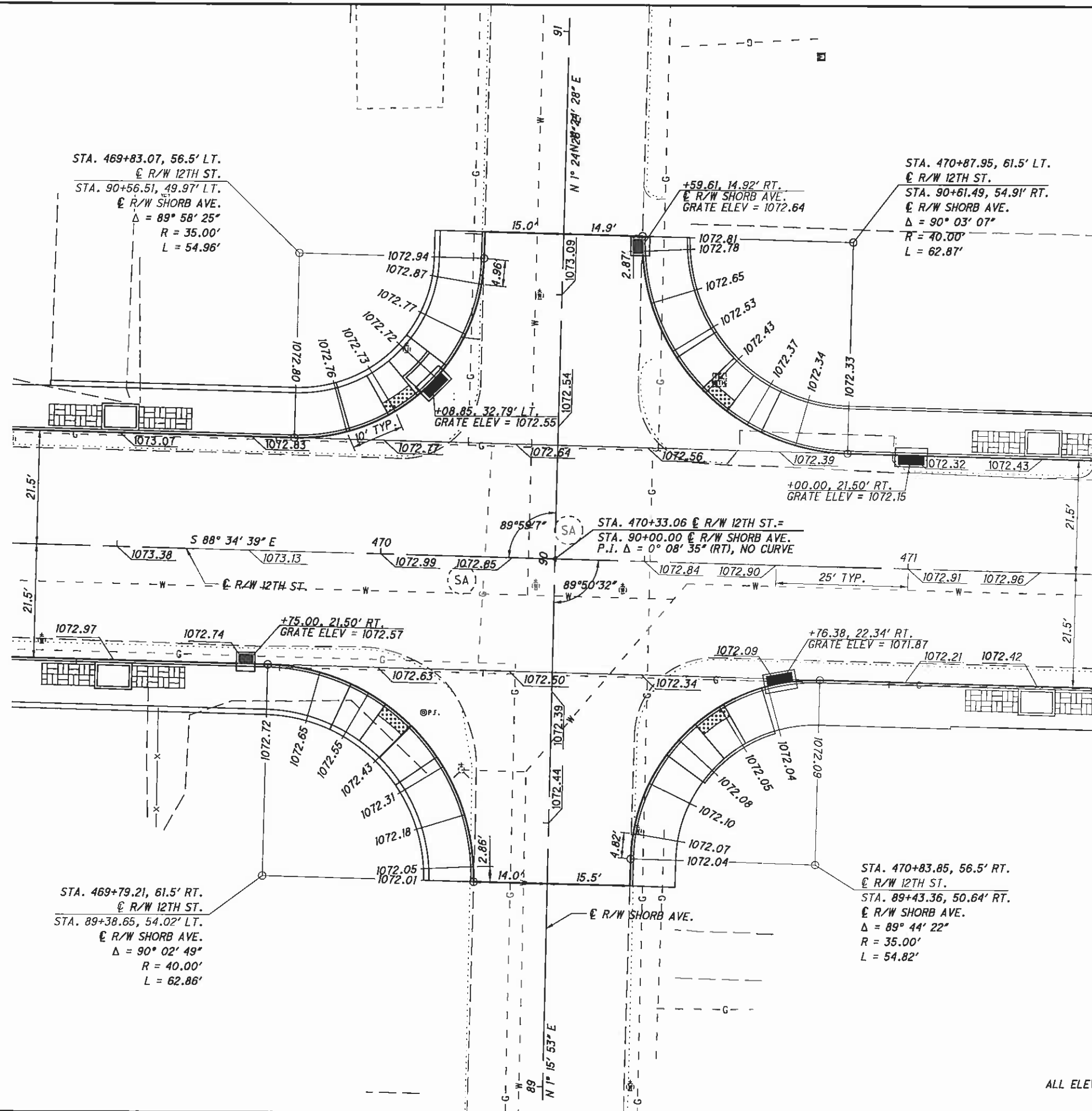

  
 0 5 10 20
   
 HORIZONTAL
   
 SCALE IN FEET

CALCULATED	0
KOD	
CHECKED	
RWK	

INTERSECTION DETAIL  
 12TH STREET AND FULTON ROAD

STA - 12TH STREET

J:\TSS\11-060 12th Street\STA\B5299\roadway\sheet\B5299G003.dgn 10/6/2011 3:38:24 PM dcbarhart J:\TSS\11-060 12th Street\STA\B5299\_Pen-ME.tbl M-E Companies, Inc.



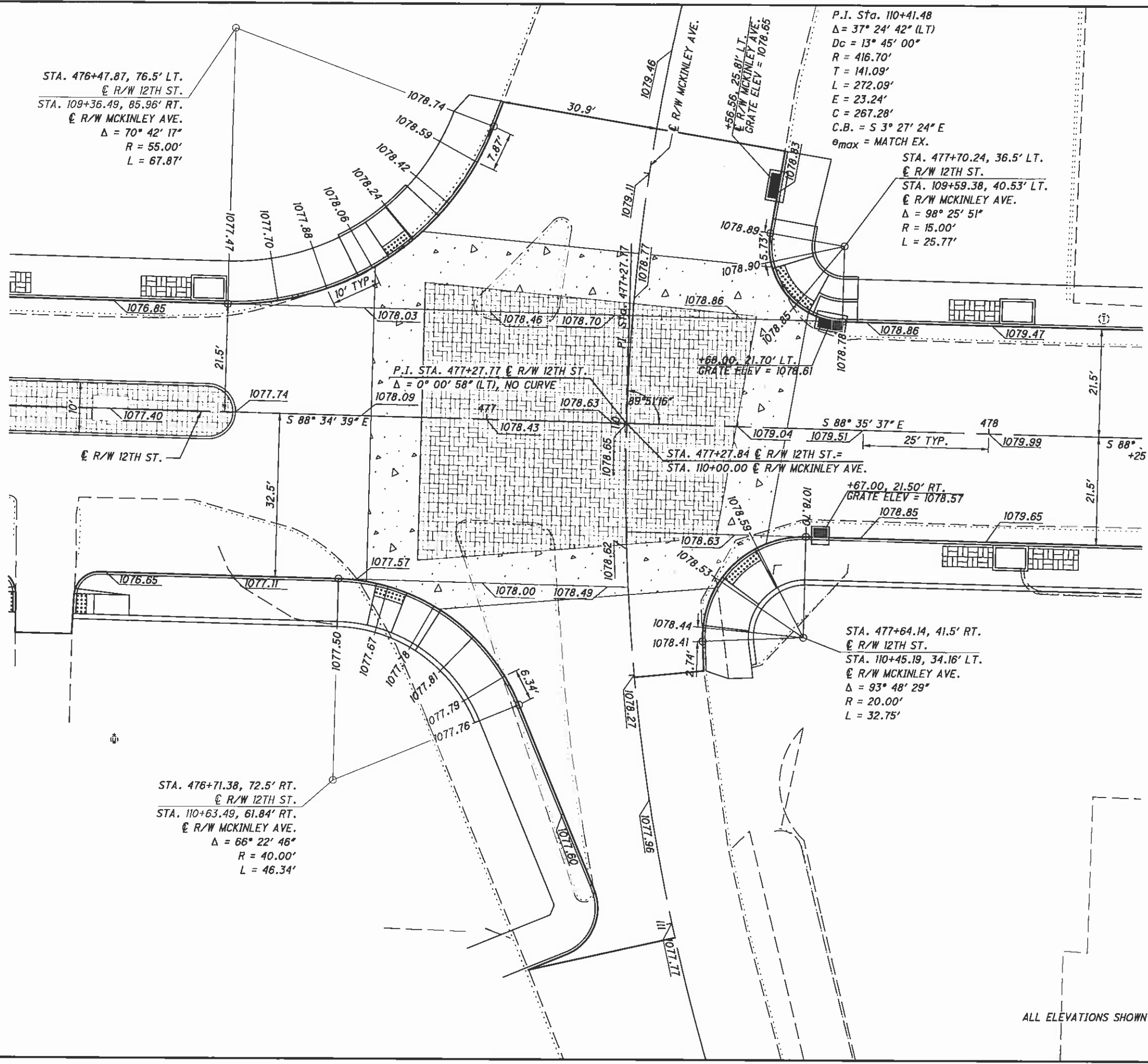
  
 HORIZONTAL SCALE IN FEET

INTERSECTION DETAIL  
 12TH STREET AND SHORB AVENUE

STA-12TH STREET

204  
 317

ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.



STA. 476+47.87, 76.5' LT.  
 @ R/W 12TH ST.  
 STA. 109+36.49, 85.96' RT.  
 @ R/W MCKINLEY AVE.  
 $\Delta = 70^\circ 42' 17''$   
 $R = 55.00'$   
 $L = 67.87'$

P.I. Sta. 110+41.48  
 $\Delta = 37^\circ 24' 42''$  (LT)  
 $Dc = 13^\circ 45' 00''$   
 $R = 416.70'$   
 $T = 141.09'$   
 $L = 272.09'$   
 $E = 23.24'$   
 $C = 267.28'$   
 $C.B. = S 3^\circ 27' 24'' E$   
 $\theta_{max} = MATCH EX.$

STA. 477+70.24, 36.5' LT.  
 @ R/W 12TH ST.  
 STA. 109+59.38, 40.53' LT.  
 @ R/W MCKINLEY AVE.  
 $\Delta = 98^\circ 25' 51''$   
 $R = 15.00'$   
 $L = 25.77'$

P.I. STA. 477+27.77 @ R/W 12TH ST.  
 $\Delta = 0^\circ 00' 58''$  (LT), NO CURVE

STA. 477+27.84 @ R/W 12TH ST. =  
 STA. 110+00.00 @ R/W MCKINLEY AVE.

+67.00, 21.50' RT.  
 GRATE ELEV = 1078.57

STA. 477+64.14, 41.5' RT.  
 @ R/W 12TH ST.  
 STA. 110+45.19, 34.16' LT.  
 @ R/W MCKINLEY AVE.  
 $\Delta = 93^\circ 48' 29''$   
 $R = 20.00'$   
 $L = 32.75'$

STA. 476+71.38, 72.5' RT.  
 @ R/W 12TH ST.  
 STA. 110+63.49, 61.84' RT.  
 @ R/W MCKINLEY AVE.  
 $\Delta = 66^\circ 22' 46''$   
 $R = 40.00'$   
 $L = 46.34'$

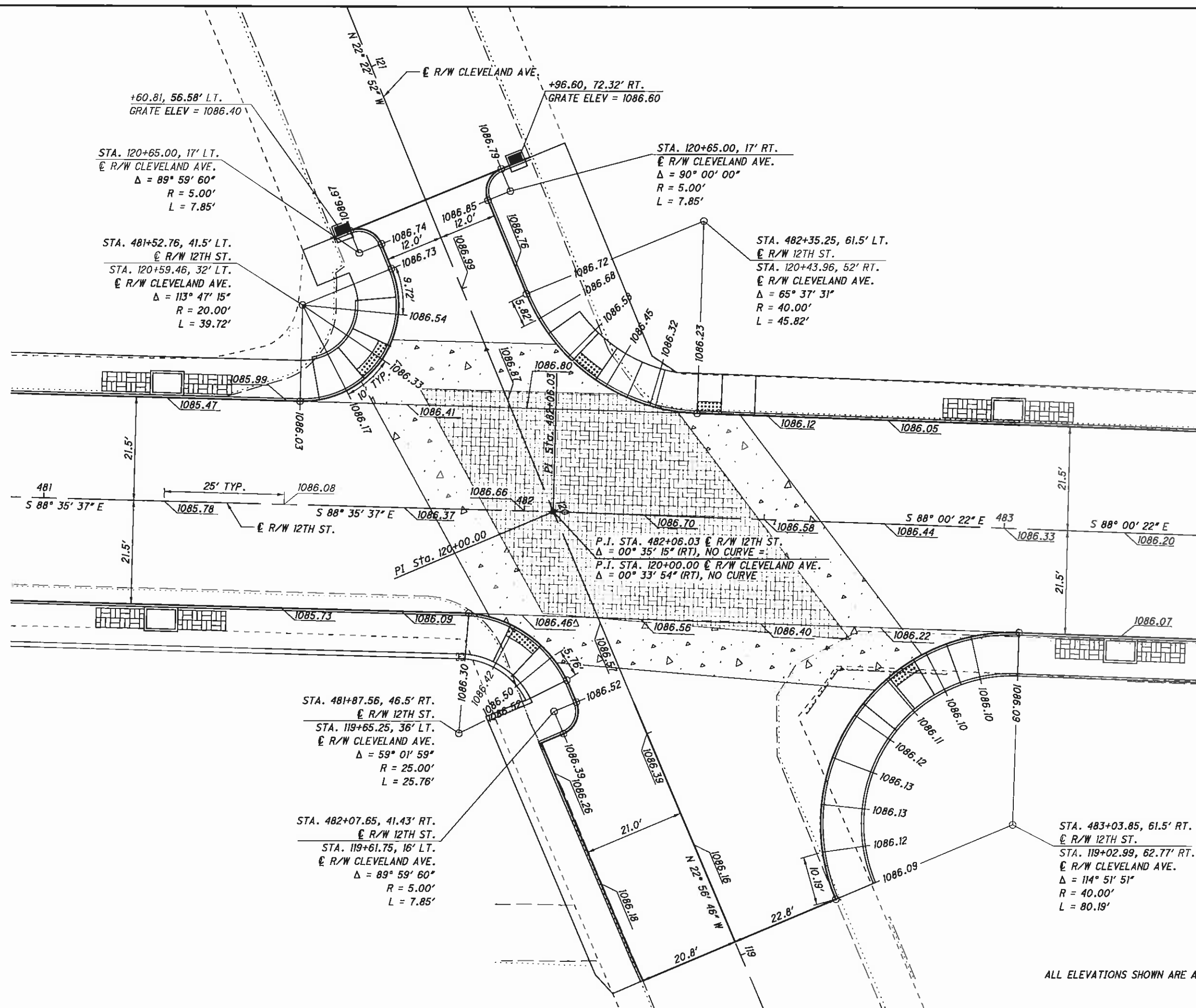
CALCULATED  
 KOD  
 CHECKED  
 RWK

INTERSECTION DETAIL  
 12TH STREET AND MCKINLEY AVENUE

STA-12TH STREET

ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.

J:\TSS\1111-060 12th Street\STA\85299\roadway\sheet\85299G005.dgn 10/6/2011 3:38:27 PM dcbarhart ODOT\B1\_PDF\_Half\_pitcfig ODOT\B1\_Pen-ME.tbi M+E Companies, Inc.



+60.81, 56.58' LT.  
GRATE ELEV = 1086.40

+96.60, 72.32' RT.  
GRATE ELEV = 1086.60

STA. 120+65.00, 17' LT.  
C R/W CLEVELAND AVE.  
 $\Delta = 89^\circ 59' 60''$   
 $R = 5.00'$   
 $L = 7.85'$

STA. 120+65.00, 17' RT.  
C R/W CLEVELAND AVE.  
 $\Delta = 90^\circ 00' 00''$   
 $R = 5.00'$   
 $L = 7.85'$

STA. 481+52.76, 41.5' LT.  
C R/W 12TH ST.  
STA. 120+59.46, 32' LT.  
C R/W CLEVELAND AVE.  
 $\Delta = 113^\circ 47' 15''$   
 $R = 20.00'$   
 $L = 39.72'$

STA. 482+35.25, 61.5' LT.  
C R/W 12TH ST.  
STA. 120+43.96, 52' RT.  
C R/W CLEVELAND AVE.  
 $\Delta = 65^\circ 37' 31''$   
 $R = 40.00'$   
 $L = 45.82'$

STA. 481+87.56, 46.5' RT.  
C R/W 12TH ST.  
STA. 119+65.25, 36' LT.  
C R/W CLEVELAND AVE.  
 $\Delta = 59^\circ 01' 59''$   
 $R = 25.00'$   
 $L = 25.76'$

STA. 482+07.65, 41.43' RT.  
C R/W 12TH ST.  
STA. 119+61.75, 16' LT.  
C R/W CLEVELAND AVE.  
 $\Delta = 89^\circ 59' 60''$   
 $R = 5.00'$   
 $L = 7.85'$

STA. 483+03.85, 61.5' RT.  
C R/W 12TH ST.  
STA. 119+02.99, 62.77' RT.  
C R/W CLEVELAND AVE.  
 $\Delta = 114^\circ 51' 51''$   
 $R = 40.00'$   
 $L = 80.19'$

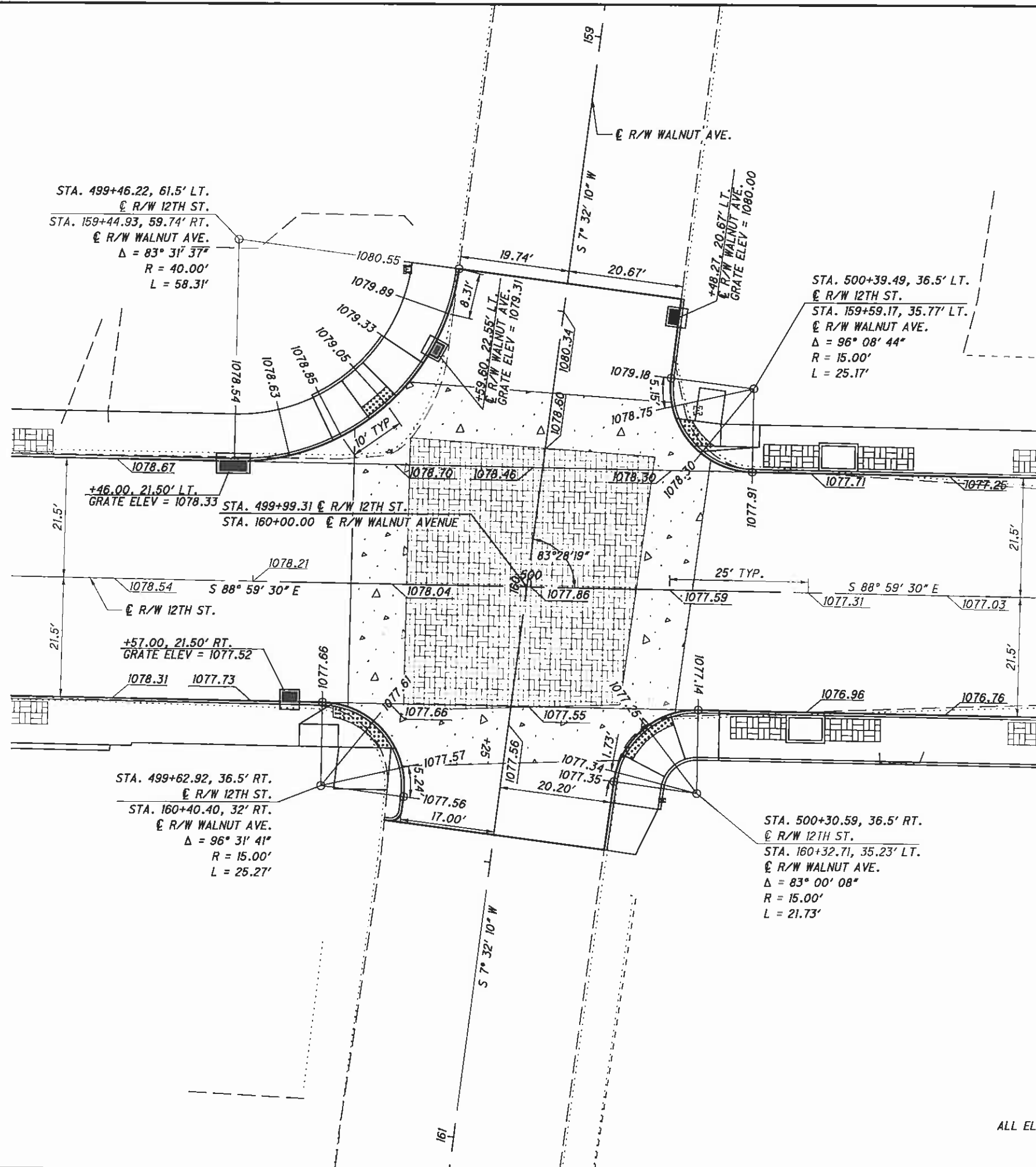
ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.



INTERSECTION DETAIL  
12TH STREET AND CLEVELAND AVENUE

STA - 12TH STREET

J:\TSA\11-060 12th Street\STA\B5299\roadway\sheets\B5299G007.dgn 10/6/2011 3:38:29 PM acbarhnl\ J:\TSA\11-060 12th Street\STA\B5299\roadway\sheets\B5299G007.dgn 10/6/2011 3:38:29 PM acbarhnl\ ODOTVBi\_PDF\_Hair.plt:cfg ODOTVBi\_Pen-ME.tbl M-E Companies, Inc.



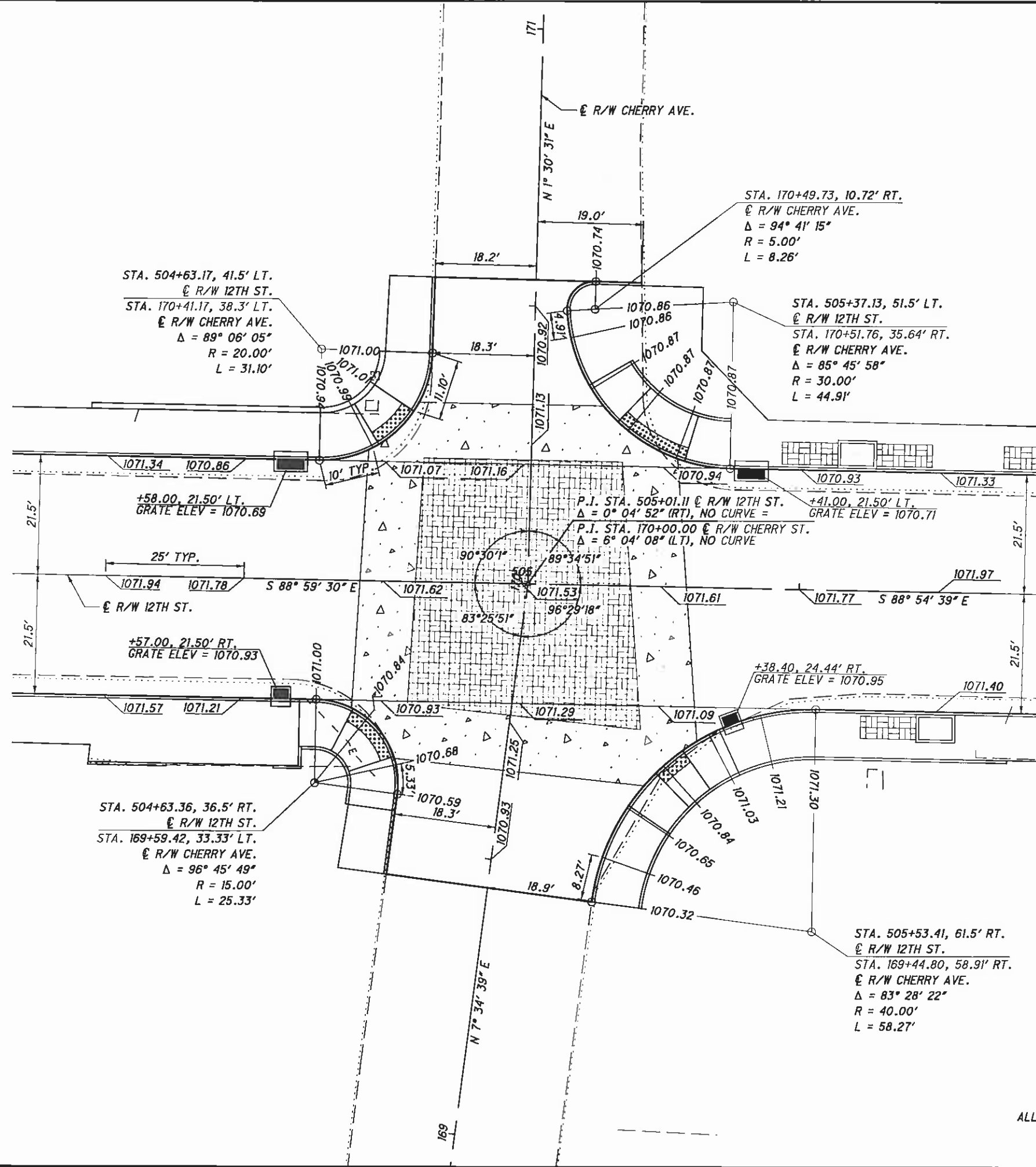
ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.

CALCULATED  
KOD  
CHECKED  
RWK

INTERSECTION DETAIL  
12TH STREET AND WALNUT AVENUE

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299\roadway.dgn 10/6/2011 3:38:31 PM acbarhar1 ODOT\B5299\roadway\sheet\B5299\roadway.dgn 10/6/2011 3:38:31 PM acbarhar1 ODOT\B5299\roadway\sheet\B5299\roadway.dgn 10/6/2011 3:38:31 PM acbarhar1



ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.

CALCULATED  
KOD  
CHECKED  
RWK

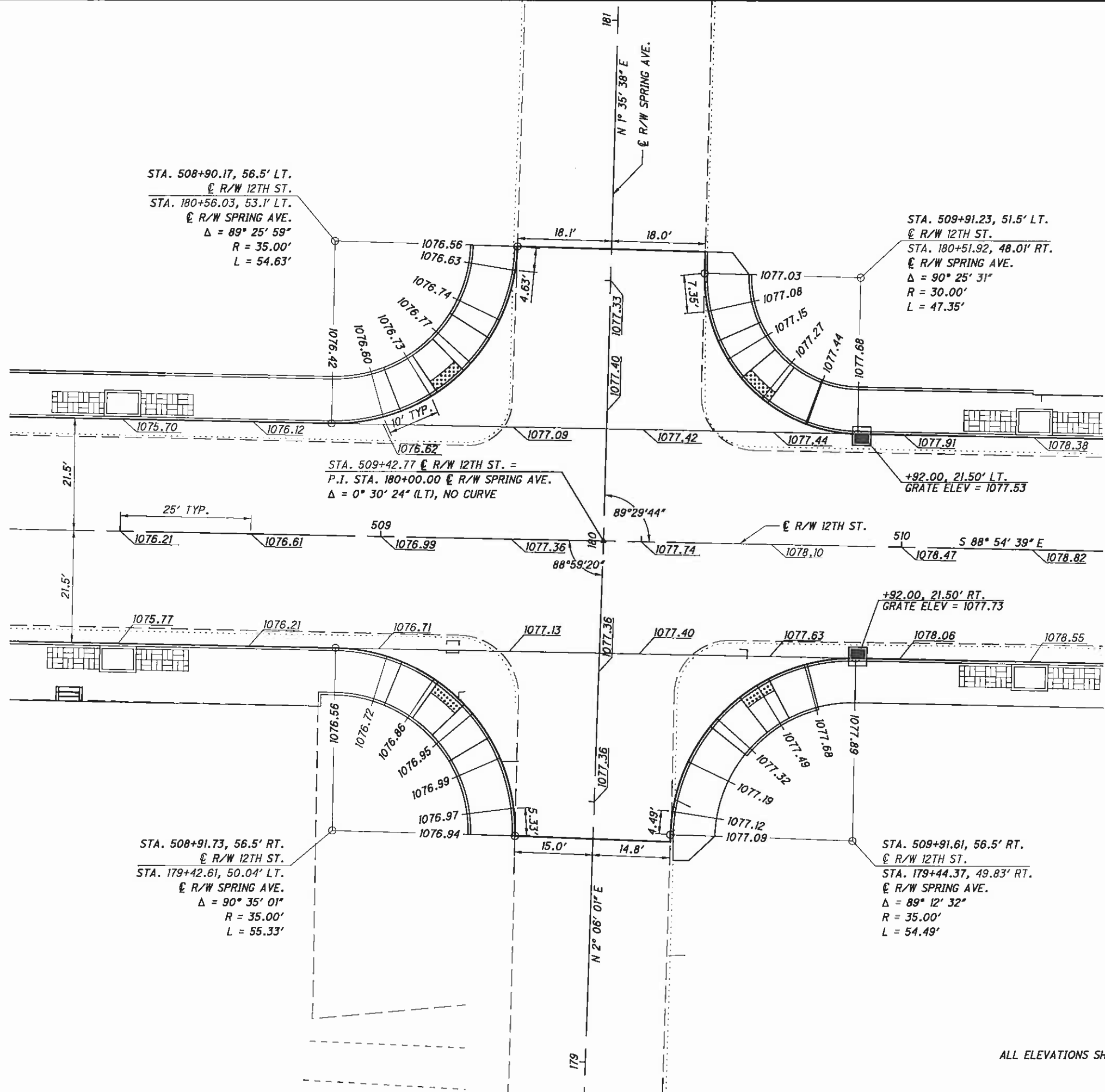
0 5 10  
HORIZONTAL  
SCALE IN FEET

INTERSECTION DETAIL  
12TH STREET AND CHERRY AVENUE

STA-12TH STREET



J:\15\11-060 12th Street\STA\B5299\roadway\sheet\B5299G1012.dgn 10/6/2011 3:38:32 PM dcbarhart ODOT\B5\_PDF\_Half.pltcfgr ODOT\B5\_Pen-ME.tbl M-E Companies, Inc.



STA. 508+90.17, 56.5' LT.  
 @ R/W 12TH ST.  
 STA. 180+56.03, 53.1' LT.  
 @ R/W SPRING AVE.  
 $\Delta = 89^\circ 25' 59''$   
 $R = 35.00'$   
 $L = 54.63'$

STA. 509+91.23, 51.5' LT.  
 @ R/W 12TH ST.  
 STA. 180+51.92, 48.01' RT.  
 @ R/W SPRING AVE.  
 $\Delta = 90^\circ 25' 31''$   
 $R = 30.00'$   
 $L = 47.35'$

STA. 509+42.77 @ R/W 12TH ST. =  
 P.I. STA. 180+00.00 @ R/W SPRING AVE.  
 $\Delta = 0^\circ 30' 24''$  (LT), NO CURVE

+92.00, 21.50' RT.  
 GRATE ELEV = 1077.73

STA. 508+91.73, 56.5' RT.  
 @ R/W 12TH ST.  
 STA. 179+42.61, 50.04' LT.  
 @ R/W SPRING AVE.  
 $\Delta = 90^\circ 35' 01''$   
 $R = 35.00'$   
 $L = 55.33'$

STA. 509+91.61, 56.5' RT.  
 @ R/W 12TH ST.  
 STA. 179+44.37, 49.83' RT.  
 @ R/W SPRING AVE.  
 $\Delta = 89^\circ 12' 32''$   
 $R = 35.00'$   
 $L = 54.49'$

ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.

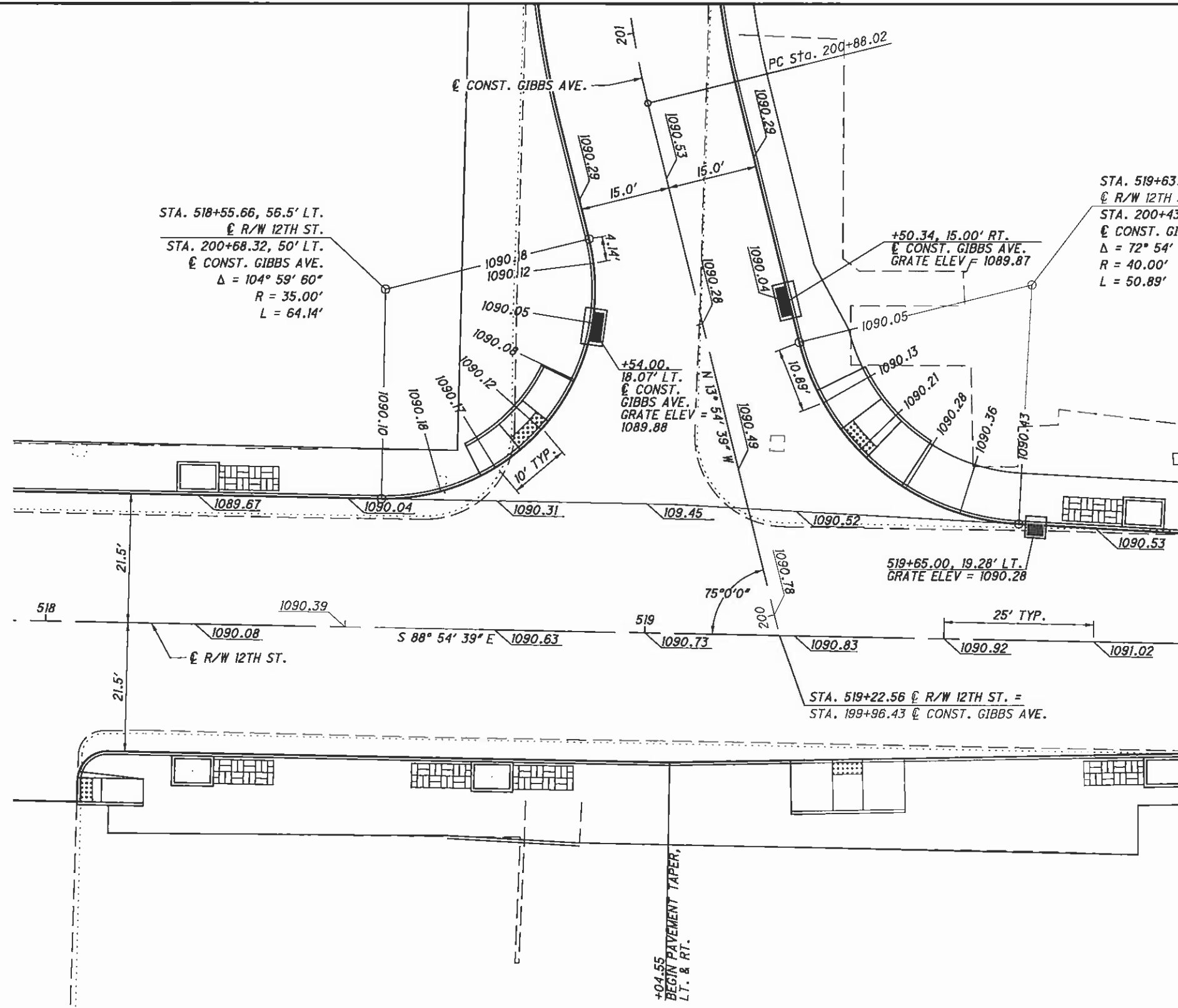
CALCULATED	KOD	CHECKED	DLT

0 5 10 20  
 HORIZONTAL  
 SCALE IN FEET

INTERSECTION DETAIL  
 12TH STREET AND SPRING AVENUE

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheets\85299GI009.dgn 10/6/2011 3:38:34 PM dcbarhart\ ODOTVBI\_PDF\_Half.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

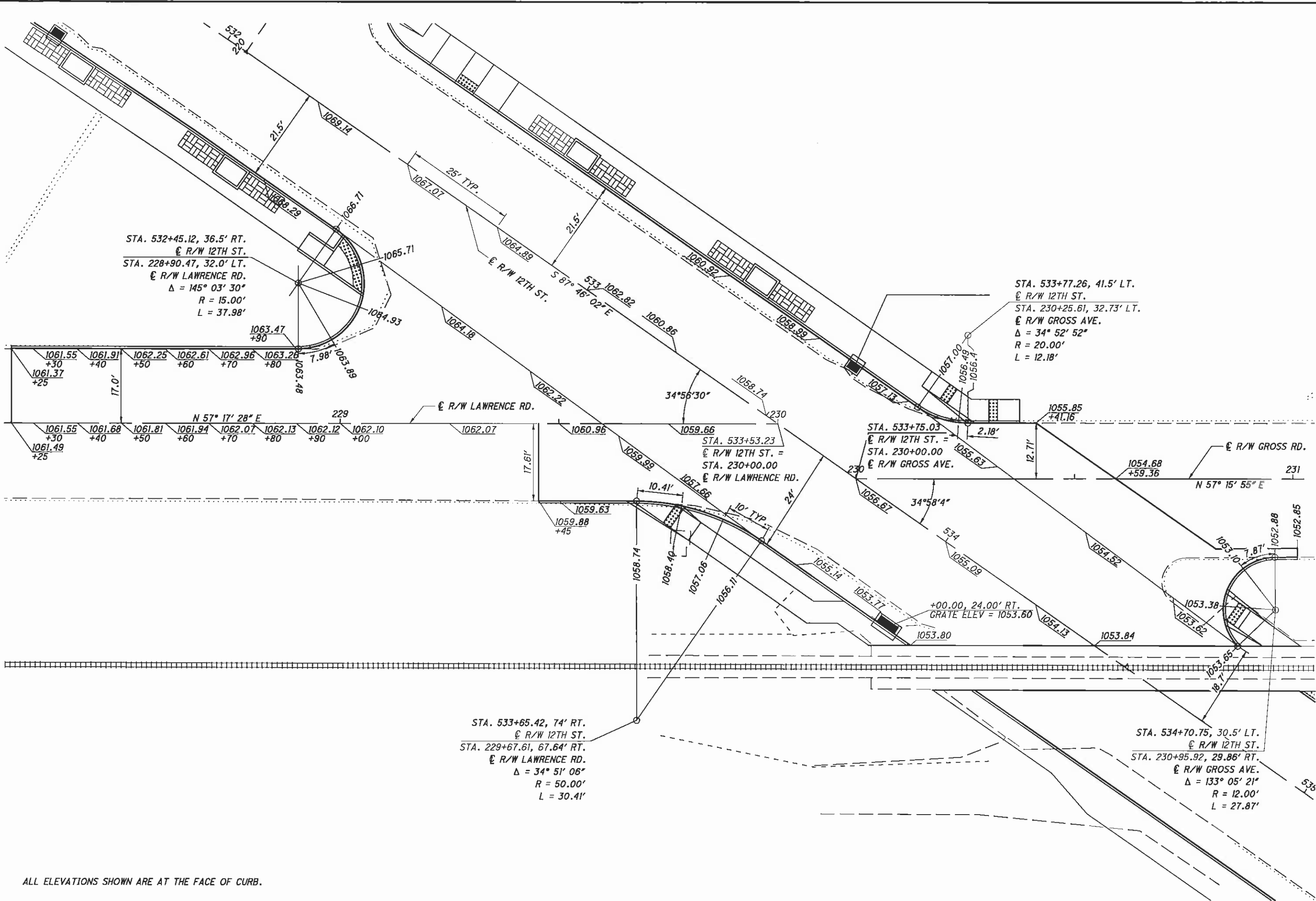


ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.



INTERSECTION DETAIL	
12TH STREET AND GIBBS AVENUE	
<p>CALCULATED: 0</p> <p>KOD: _____</p> <p>CHECKED: _____</p> <p>RWK: _____</p>	<p>STA-12TH STREET</p> <p style="text-align: center;">210</p> <p style="text-align: center;">317</p>

J:\15\11\11-060 12th Street\STA\B5299\roadway\sheets\B5299GI010.dgn 10/6/2011 3:38:35 PM dcbernhart\ ODOTV6I\_PDF\_Half.plt cfig ODOTV6I\_Pen-ME.tbl M-E Companies, Inc.



STA. 532+45.12, 36.5' RT.  
 @ R/W 12TH ST.  
 STA. 228+90.47, 32.0' LT.  
 @ R/W LAWRENCE RD.  
 $\Delta = 145^\circ 03' 30''$   
 $R = 15.00'$   
 $L = 37.98'$

STA. 533+77.26, 41.5' LT.  
 @ R/W 12TH ST.  
 STA. 230+25.61, 32.73' LT.  
 @ R/W GROSS AVE.  
 $\Delta = 34^\circ 52' 52''$   
 $R = 20.00'$   
 $L = 12.18'$

STA. 533+65.42, 74' RT.  
 @ R/W 12TH ST.  
 STA. 229+67.61, 67.64' RT.  
 @ R/W LAWRENCE RD.  
 $\Delta = 34^\circ 51' 06''$   
 $R = 50.00'$   
 $L = 30.41'$

STA. 534+70.75, 30.5' LT.  
 @ R/W 12TH ST.  
 STA. 230+95.92, 29.86' RT.  
 @ R/W GROSS AVE.  
 $\Delta = 133^\circ 05' 21''$   
 $R = 12.00'$   
 $L = 27.87'$

ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.

CALCULATED  
 KOD  
 CHECKED  
 RWK

0 5 10 20  
 HORIZONTAL  
 SCALE IN FEET

INTERSECTION DETAIL  
 12TH STREET AND LAWRENCE ROAD

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299G01.dgn 10/6/2011 3:38:37 PM dcbarrhart ODOTVBI\_PDF\_Hair.plt cfg ODOTVBI\_Pen-NE.tbl M-E Companies, Inc.

**CURVE 1**  
STA. 540+23.17, 113.5' RT.  
€ R/W 12TH ST.  
STA. 248+00.62, 103.07' LT.  
€ R/W THE O'JAYS PKWY.  
 $\Delta = 105^\circ 25' 32''$   
 $R = 80.00'$   
 $L = 147.20'$

**CURVE 2**  
STA. 540+23.17, 113.5' RT.  
€ R/W 12TH ST.  
STA. 248+00.62, 103.07' LT.  
€ R/W THE O'JAYS PKWY.  
 $\Delta = 45^\circ 19' 11''$   
 $R = 99.00'$   
 $L = 78.31'$

**CURVE 3**  
STA. 541+12.24, 51.5' RT.  
€ R/W 12TH ST.  
STA. 249+00.61, 60.88' LT.  
€ R/W THE O'JAYS PKWY.  
 $\Delta = 111^\circ 10' 51''$   
 $R = 30.00'$   
 $L = 58.21'$

**CURVE 4**  
STA. 540+76.69, 25.5' RT.  
€ R/W 12TH ST.  
STA. 249+03.60, 104.83' LT.  
€ R/W THE O'JAYS PKWY.  
 $\Delta = 148^\circ 41' 24''$   
 $R = 4.00'$   
 $L = 10.38'$

**CURVE 5**  
STA. 541+24.35, 89.45' RY.  
€ R/W 12TH ST.  
STA. 248+75.00, 30.38' LT.  
€ R/W THE O'JAYS PKWY.  
 $\Delta = 145^\circ 26' 56''$   
 $R = 5.00'$   
 $L = 12.69'$

STA. 541+18.22, 66.5' LT.  
€ R/W 12TH ST.  
STA. 240+66.85, 55.6' LT.  
€ R/W MAPLE AVE.  
 $\Delta = 90^\circ 33' 16''$   
 $R = 45.00'$   
 $L = 71.12'$

STA. 542+29.47, 61.5' LT.  
€ R/W 12TH ST.  
STA. 240+61.14, 55.65' RT.  
€ R/W MAPLE AVE.  
 $\Delta = 83^\circ 36' 49''$   
 $R = 40.00'$   
 $L = 58.37'$

P.I. STA. 542+16.80 € R/W 12TH ST.  
 $\Delta = 0^\circ 01' 54''$  (RT), NO CURVE =  
STA. 250+00.00 € R/W THE O'JAYS PKWY.

ALL ELEVATIONS SHOWN ARE AT THE FACE OF CURB.

**INTERSECTION DETAIL**  
**12TH STREET AND THE O'JAYS PARKWAY**

**STA-12TH STREET**

HORIZONTAL SCALE IN FEET

CALCULATED K.O.D. CHECKED RWK

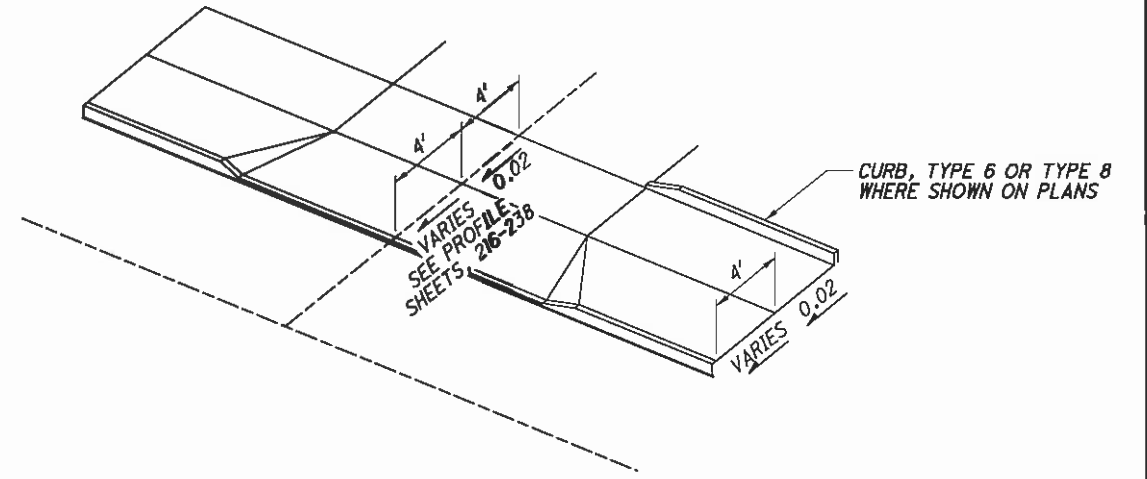
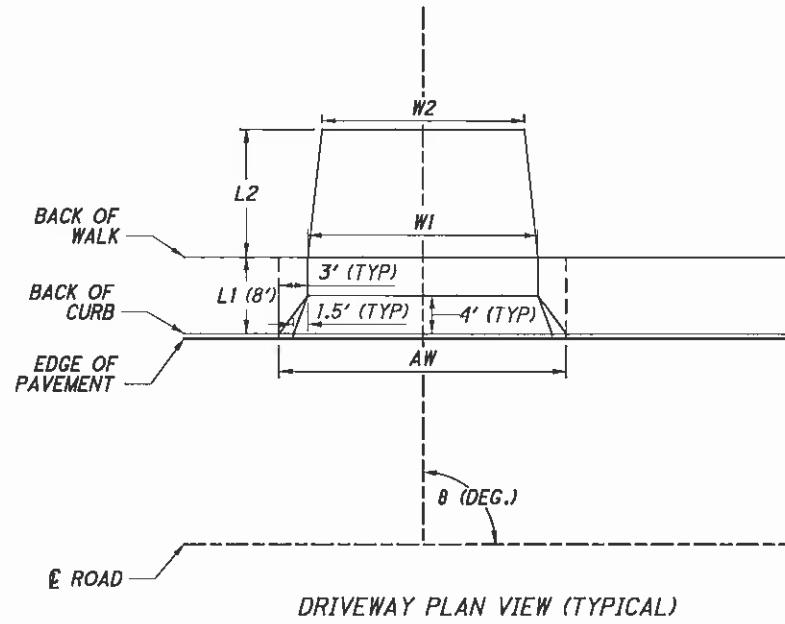
212  
317

J:\NTS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299G0001.dgn 10/6/2011 3:38:38 PM dcbarharl\ ODOT\B5299\Pen-ME.tbl M+E Companies, Inc.

**NOTES:**

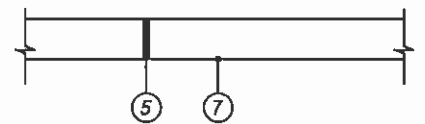
1. FOR ADDITIONAL DRIVEWAY DETAILS SEE SHEETS 216-238.

- $\theta$  - DRIVE ANGLE
- AW - APRON WIDTH
- L1 - APRON LENGTH ( $\theta$ 's)
- L2 - DRIVEWAY LENGTH
- W1 - DRIVE WIDTH AT THE BACK OF THE PROPOSED WALK
- W2 - DRIVE WIDTH AT THE TIE-IN TO EXISTING

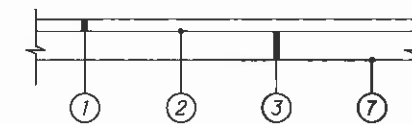


**LEGEND**

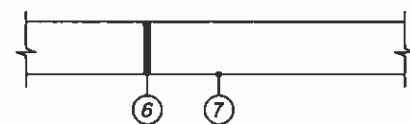
- ① ITEM 448 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22 (DRIVEWAYS)
- ② ITEM 407 - TACK COAT (APPLIED AT A RATE OF 0.04 GAL./SQ. YD.)
- ③ ITEM 301 - 3.5" ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS)
- ④ ITEM 301 - 5" ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS)
- ⑤ ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT
- ⑥ ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT
- ⑦ ITEM 204 - SUBGRADE COMPACTION



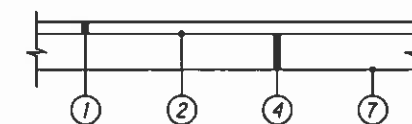
RESIDENTIAL APRON AND RESIDENTIAL CONCRETE DRIVEWAY PAVEMENT SECTION



RESIDENTIAL ASPHALT DRIVEWAY PAVEMENT SECTION



COMMERCIAL APRON AND COMMERCIAL CONCRETE DRIVEWAY PAVEMENT SECTION



COMMERCIAL ASPHALT DRIVEWAY PAVEMENT SECTION

CALCULATED  
DCB  
CHECKED  
RWK

**DRIVE DETAILS**

**STA-12TH STREET**



SHEET	REFERENCE NO.	STATION	SIDE	DRIVE TYPE	EXISTING DRIVE COMPOSITION	DRIVE ANGLE	APRON LENGTH	APRON WIDTH	DRIVEWAY LENGTH	DRIVE WIDTH AT THE BACK OF THE PROPOSED WALK	DRIVE WIDTH AT THE TIE-IN TO EXISTING	APRON AREA	DRIVE AREA	202	204	301	301	304	407	448	452	452	452	608
						DEG.	L1	AW	L2	W1	W2	AW#L1	((W1+W2)/2)*L2	A2	A1+A2	(3.5/12)*A2	(5/12)*A2	(4/12)*A2	0.04*A2	(1.25/12)*A2	6" NON-REINFORCED CONCRETE PAVEMENT	7" NON-REINFORCED CONCRETE PAVEMENT	NON-REINFORCED CONCRETE PAVEMENT, MISC.: ROADWAY BRICK PAVERS	WALKWAY, MISC.: 3" CONCRETE WALK
						FT.	FT.	FT.	FT.	FT.	S.F.	S.F.	S.Y.	S.Y.	C.Y.	C.Y.	C.Y.	GAL.	C.Y.	S.Y.	S.Y.	S.F.	S.F.	
		512+75.44	RT	COMMERCIAL	ASPHALT	90°00'00'	8.00	30.00	11.85	24.00	24.00	240.00	284.40	31.60	58.27									
		515+16.00	RT	COMMERCIAL	CONCRETE	90°00'00'	8.00	18.00	5.87	12.00	12.00	144.00	70.44	7.83	23.83									
		515+47.00	RT	COMMERCIAL	CONCRETE	90°00'00'	8.00	42.00	6.88	36.00	36.00	336.00	247.68	27.52	64.85									
		515+55.00	LT	COMMERCIAL	ASPHALT	90°00'00'	8.00	30.00	9.04	24.00	24.00	240.00	216.96	24.11	50.77									
		516+37.00	LT	COMMERCIAL	CONCRETE	90°00'00'	8.00	30.00	2.74	24.00	24.00	240.00	65.76	7.31	33.97									
		516+44.00	RT	COMMERCIAL	ASPHALT	90°00'00'	8.00	30.00	7.00	24.00	24.00	240.00	168.00	18.67	45.33									
		517+20.00	LT	COMMERCIAL	ASPHALT	90°00'00'	8.00	30.00	6.10	24.00	24.00	240.00	146.40	16.27	42.93									
		517+20.00	RT	COMMERCIAL	ASPHALT	90°00'00'	8.00	30.00	6.34	24.00	24.00	240.00	152.16	16.91	43.57									
		519+95.03	LT	COMMERCIAL	CONCRETE	90°00'00'	8.00	16.28	4.31	10.28	9.90	130.24	43.49	4.83	19.30									
		520+24.15	RT	RESIDENTIAL	CONCRETE	90°00'00'	8.00	13.77	1.46	7.72	7.68	110.16	11.24	1.25	13.49									
		523+27.57	RT	COMMERCIAL	CONCRETE	90°00'00'	8.00	16.96	9.55	10.96	9.94	135.68	99.80	11.09	26.16									
		525+48.71	RT	RESIDENTIAL	CONCRETE	90°00'00'	8.00	15.34	1.69	9.34	9.36	122.72	15.80	1.76	15.39									
		526+80.05	LT	COMMERCIAL	ASPHALT	90°00'00'	8.00	16.57				132.56			14.73									
		527+08.92	RT	COMMERCIAL	CONCRETE	90°00'00'	8.00	16.00	4.65	10.00	10.00	128.00	46.50	5.17	19.39									
		527+82.29	RT	RESIDENTIAL	ASPHALT	88°03'32"	8.00	15.48	3.50	9.48	8.92	123.84	32.20	3.58	17.34									
		528+32.63	RT	RESIDENTIAL	CONCRETE	90°00'00'	8.00	16.15	7.35	10.15	9.52	129.20	72.29	8.03	22.39									
		528+82.49	RT	RESIDENTIAL	CONCRETE	90°00'00'	8.00	16.31	5.84	10.32	9.73	130.48	58.55	6.51	21.00									
		529+52.69	RT	RESIDENTIAL	CONCRETE	90°00'00'	8.00	16.05	8.92	10.05	9.90	128.40	88.98	9.89	24.15									
		530+02.83	RT	RESIDENTIAL	BRICK	90°00'00'	8.00	15.56	4.73	9.55	9.15	124.48	44.23	4.91	18.75									
		530+59.00	RT	RESIDENTIAL	CONCRETE	90°00'00'	8.00	19.50	1.46	13.50	13.50	156.00	19.71	2.19	19.52									
		531+24.45	RT	RESIDENTIAL	CONCRETE	90°00'00'	8.00	18.01				144.08			16.01									
		537+10.79	LT	RESIDENTIAL	CONCRETE	86°12'55"	8.00	14.08	6.41	8.10	8.18	112.64	52.18	5.80	18.31									
		537+99.43	LT	RESIDENTIAL	CONCRETE	90°00'00'	8.00	14.74	6.10	8.73	8.37	117.92	52.16	5.80	18.90									
		539+15.00	LT	RESIDENTIAL	CONCRETE	87°56'38"	8.00	31.17	10.09	11.30	10.72	249.36	111.09	12.34	40.05									
		539+33.09	LT	RESIDENTIAL	CONCRETE	85°55'31"			5.00	9.28	9.13	46.03	46.03	5.11	5.11									
		540+22.08	LT	RESIDENTIAL	ASPHALT	87°27'37"	8.00	14.78	22.46	8.80	8.32	118.24	192.26	21.36	34.50									
		540+71.27	LT	RESIDENTIAL	CONCRETE	88°41'04"	8.00	15.92	8.50	9.82	8.92	127.36	79.65	8.85	23.00									
		544+18.68	LT	COMMERCIAL	ASPHALT	90°00'00'	8.00	30.88	8.15	24.88	24.85	247.04	202.65	22.52	49.97									
		546+15.77	LT	COMMERCIAL	CONCRETE	90°00'00'	8.00	25.85	8.50	19.85	19.69	206.80	168.05	18.67	41.65									
		546+49.70	RT	COMMERCIAL	ASPHALT	90°00'00'	8.00	26.14	1.33	20.05	20.05	209.12	26.67	2.96	26.20									
		MONUMENT AVE.																						
		10+88.21	RT	RESIDENTIAL	CONCRETE	90°00'00'	8.00	22.25	20.84	16.25	16.16	178.00	337.71	37.52	57.30									
		FULTON AVE.																						
		49+00.00	RT	COMMERCIAL	CONCRETE	90°00'00'	12.50	45.23				565.38			62.82									
		McKINLEY AVE.																						
		110+64.61	RT	COMMERCIAL	CONCRETE	90°00'00'	8.00	26.00				208.00			23.11									

TOTALS CARRIED TO GENERAL SUMMARY

351 1013 3 19 1 7 6 336 514 45 45

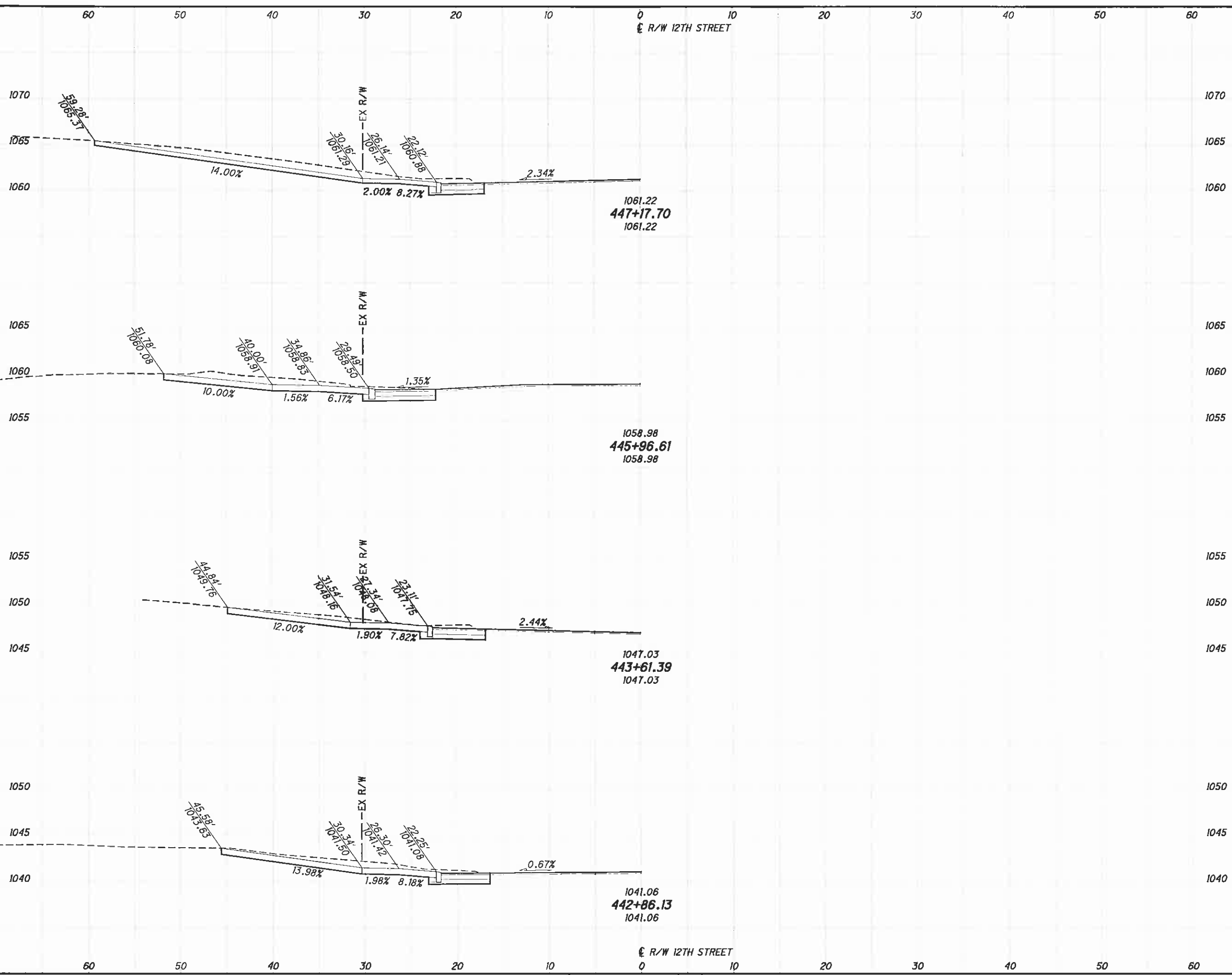
CALCULATED DCB CHECKED RWK	DRIVE SUBSUMMARY - 12TH AND SIDE STREETS	STA-12TH STREET
		215 317

J:\TSA\11-060 12th Street\STA\B5299\roadway\sheets\B5299GD004.dgn 10/6/2011 3:38:42 PM dcbarhorl ODOTVBI\_PDF\_Half.plt cfig ODOTVBI\_Pan-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
------------	---------



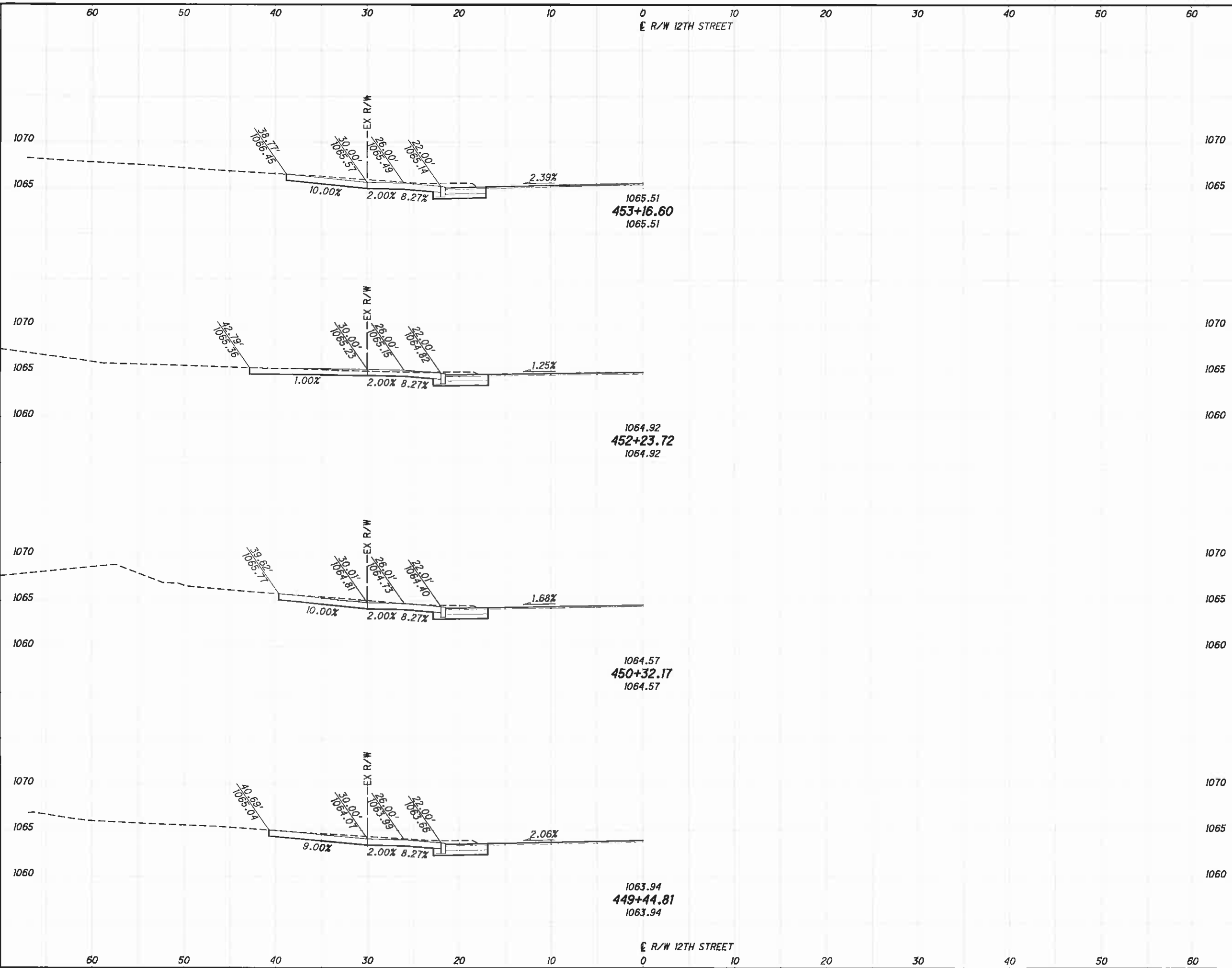
LEFT DRIVE PROFILES - 12TH STREET  
STA. 442+86.13 TO STA. 447+17.70

STA-12TH STREET



J:\TS\11\11-060 12th Street\STA\85299\roadway\sheets\85299G0005.dgn 10/6/2011 3:38:43 PM dcbarhart ODOTVBI\_PDF\_Half.plt ODOTVBI\_Pan-ME.tbl M-E Companies, Inc

SEEDING  
END SO.  
WIDTH YDS.



END AREA  
CUT FILL

VOLUME  
CUT FILL

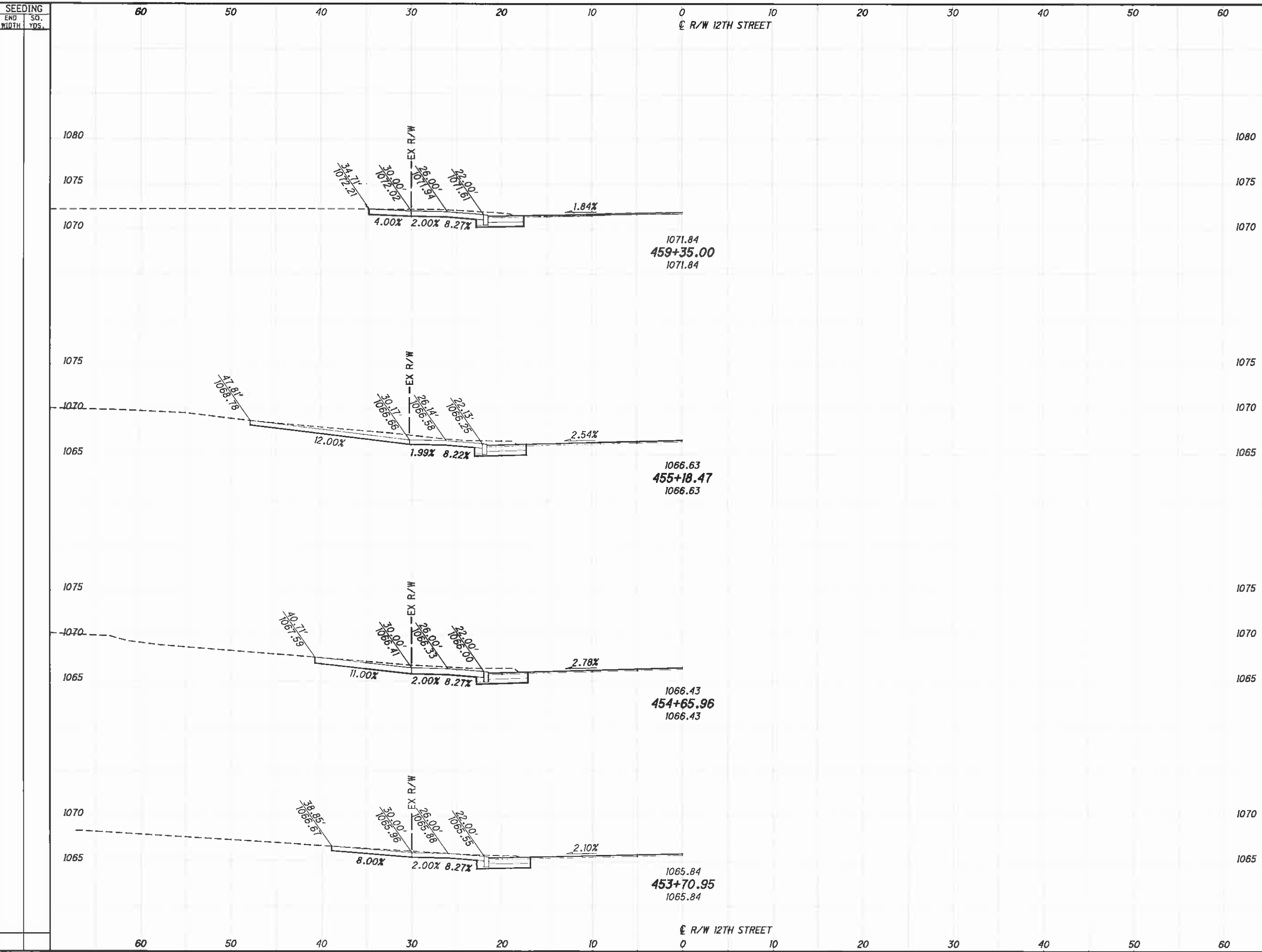
CALCULATED  
CHECKED

LEFT DRIVE PROFILES - 12TH STREET  
STA. 449+44.81 TO STA. 453+16.60

STA-12TH STREET

217  
317

J:\NTS\11\11-060 12th Street\STA\85299\roadway\sheet\85299RD006.dgn 10/6/2011 3:38:44 PM dcbarhart ODOT\BI\_PDF\_Half.pltcf ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL

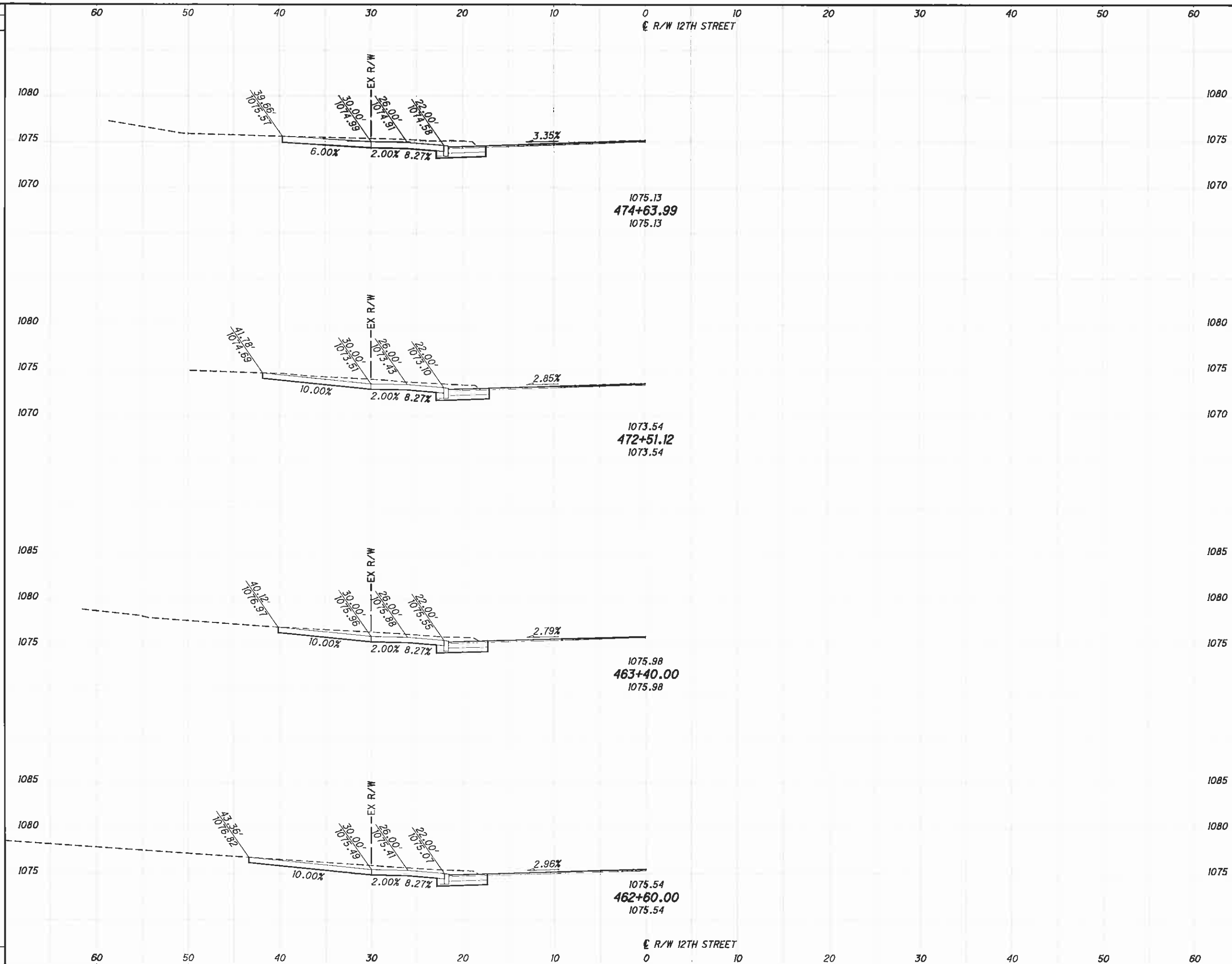
**LEFT DRIVE PROFILES - 12TH STREET**  
**STA. 453+70.95 TO STA. 459+35.00**

**STA - 12TH STREET**

CALCULATED  
 CHECKED

J:\15\11-060 12th Street\STA\B5299\roadway\sheet\85299GD007.dgn 10/6/2011 3:38:45 PM dcbarhart ODOTVBI\_PDF\_Half.plt cfbg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SQ. YDS.



END CUT	AREA FILL	VOLUME CUT	VOLUME FILL	CALCULATED	CHECKED

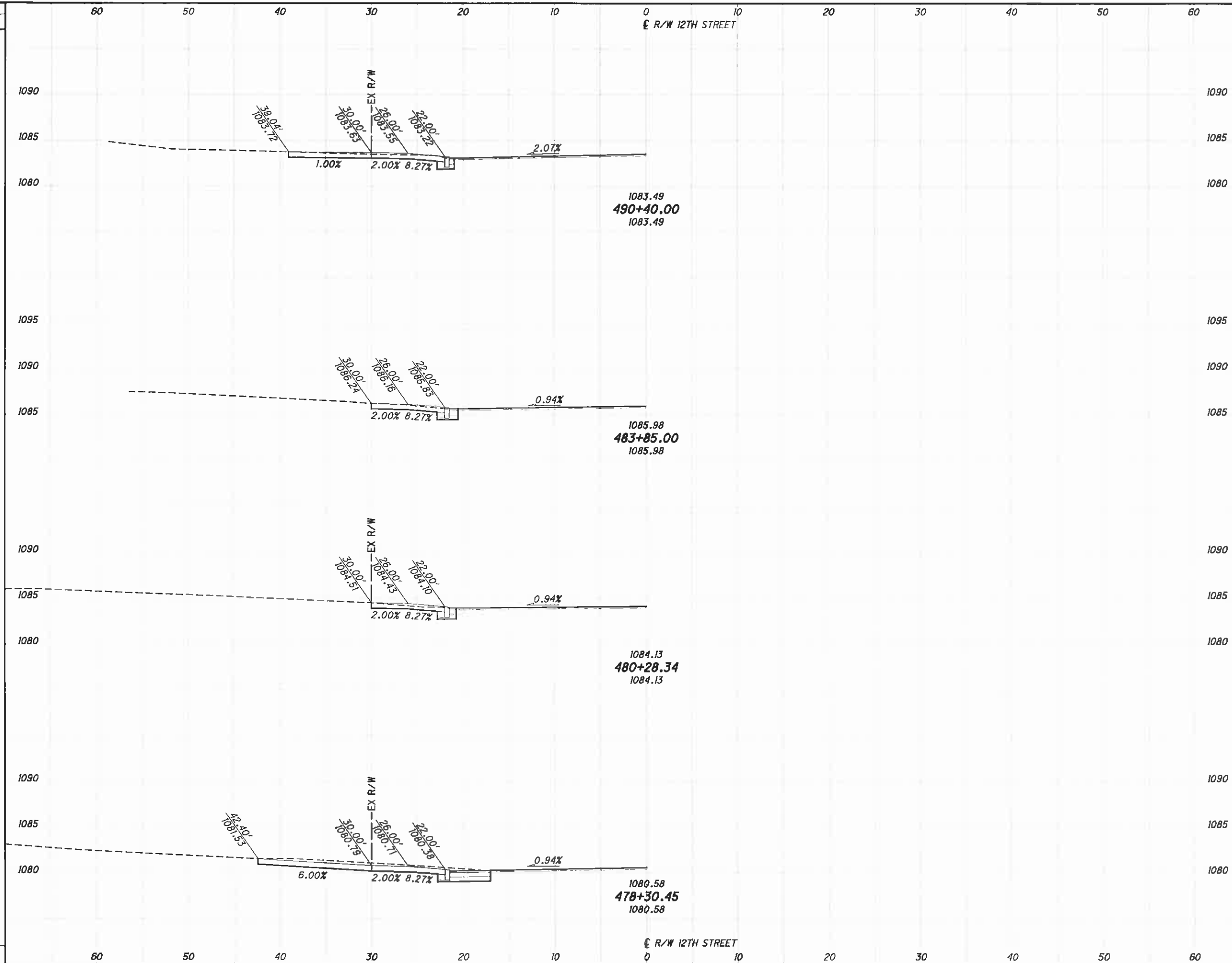
LEFT DRIVE PROFILES - 12TH STREET  
 STA. 462+60.00 TO STA. 474+63.99

STA-12TH STREET

219  
317

SEEDING  
END SO.  
WIDTH YDS.

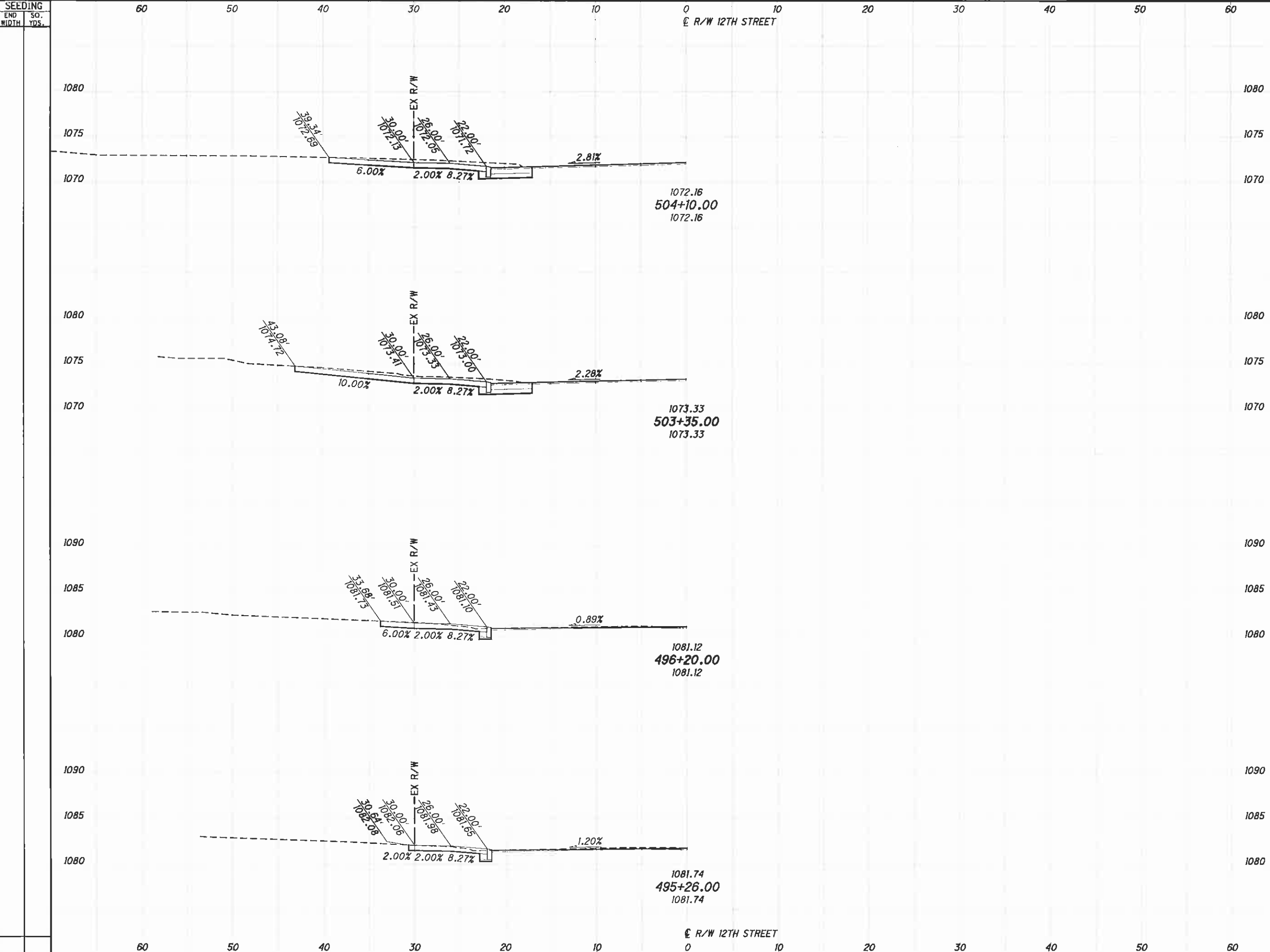
J:\NTS\11\11-060 12th Street\STA\85299\roadway\sheet\85299GD008.dgn 10/6/2011 3:38:47 PM dcbarnhart ODOTVBI\_PDF\_Half.pltcf ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



END CUT	AREA FILL	VOLUME CUT	VOLUME FILL	CALCULATED	CHECKED

LEFT DRIVE PROFILES - 12TH STREET  
STA. 478+30.45 TO STA. 490+40.00  
STA - 12TH STREET

J:\TSS\11-060 12th Street\STA\85299\roadway\sheet\85299GD009.dgn 10/6/2011 3:38:48 PM dcbarhar1 ODOTVBI\_PDF\_Half.plt c:\odotvbi\_pen-me.tbl M-E Companies, Inc.



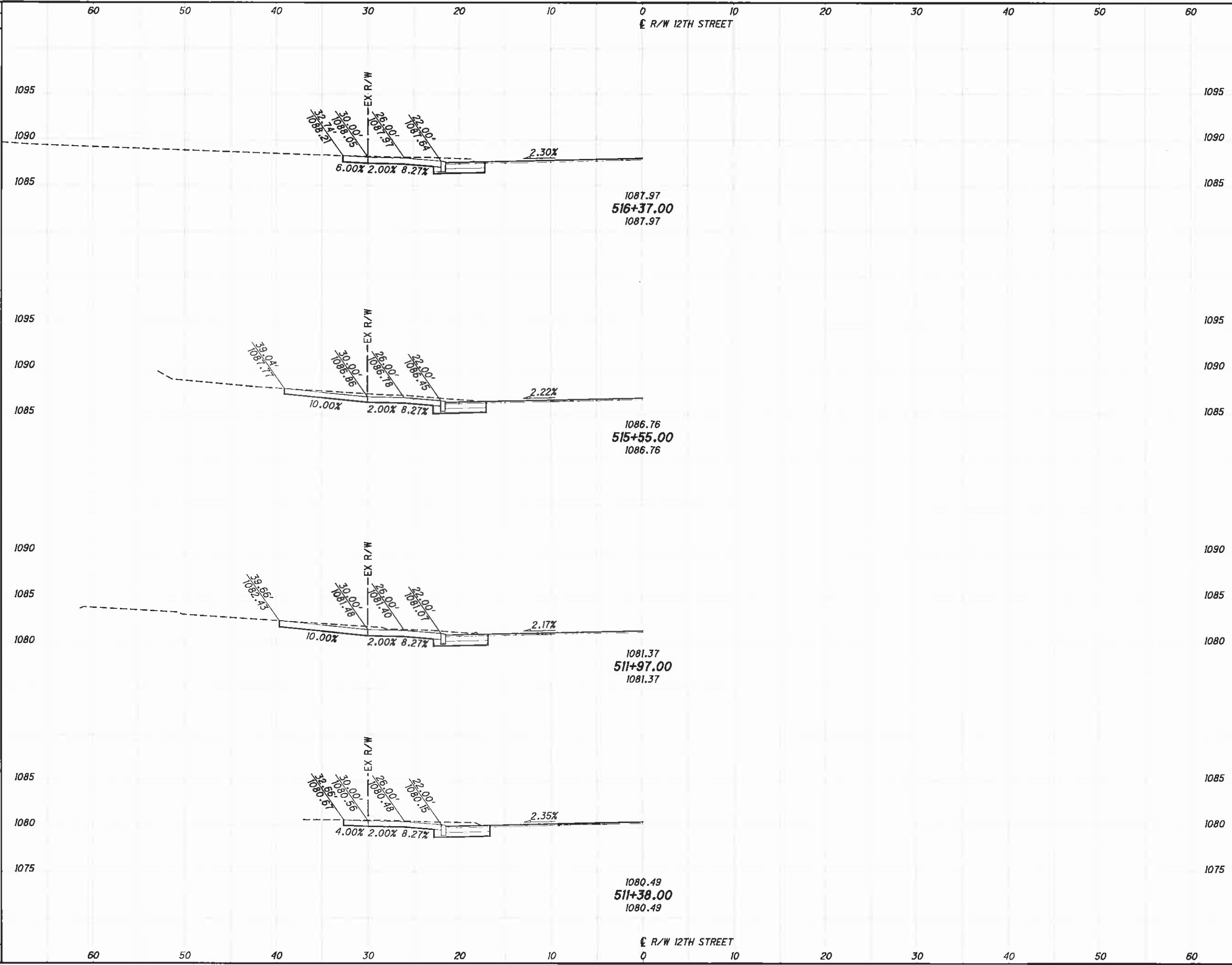
LEFT DRIVE PROFILES - 12TH STREET  
STA. 495+26.00 TO STA. 504+10.00

STA-12TH STREET

221  
317

J:\TS\11-060 12th Street\STA\85299\roadway\sheet\85299GD010.dgn 10/6/2011 3:38:49 PM dcbarhor ODOTVB\_PDF\_Half.plt ODOTVB\_Pen-ME.lbi M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YOS.



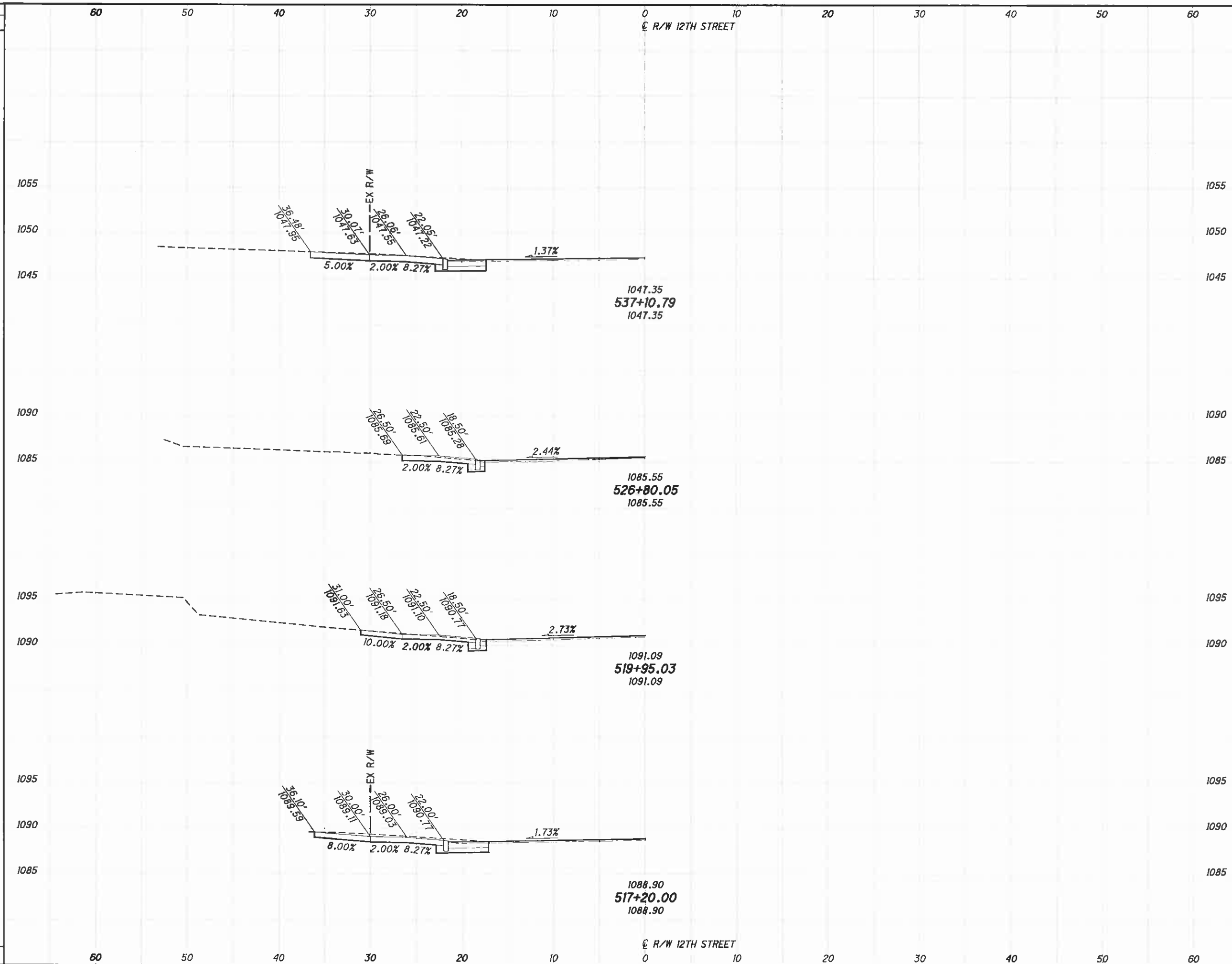
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
<b>LEFT DRIVE PROFILES - 12TH STREET</b> <b>STA. 511+38.00 TO STA. 516+37.00</b>	
<b>STA - 12TH STREET</b>	
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">222</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">317</span>	

R/W 12TH STREET

J:\15\11\11-060 12th Street\STA\85299\roadway\sheet\85299G001.dgn 10/6/2011 3:38:50 PM dcbarhart ODOT\8i\_PDF\_Half.plt\cfig ODOT\8i\_Pen-ME.tbl M+E Companies, inc.

SEEDING	
END WIDTH	SO. YDS.



END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

LEFT DRIVE PROFILES - 12TH STREET  
STA. 517+20.00 TO STA. 537+10.79

STA-12TH STREET

223  
317

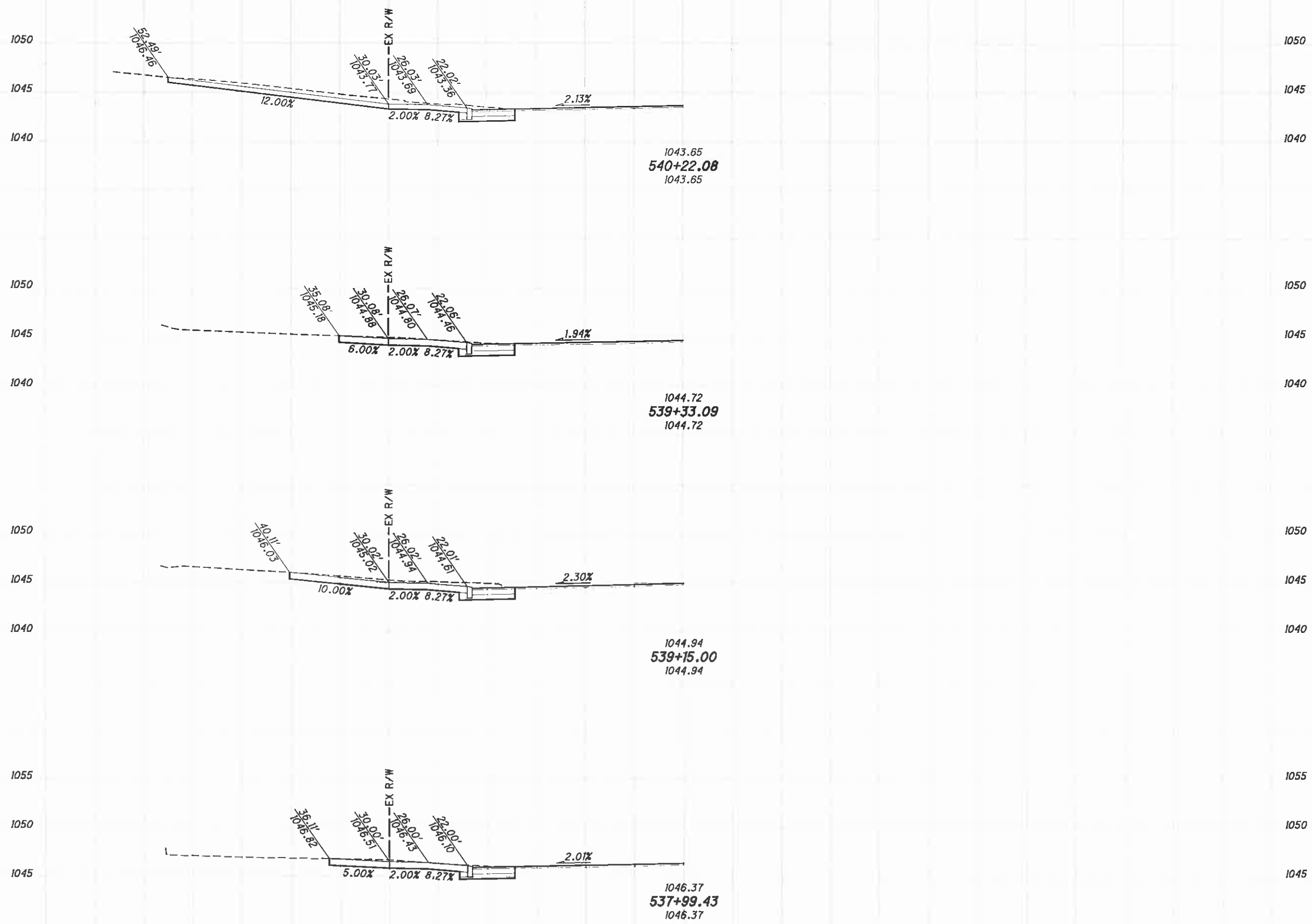
SEEDING  
END SO.  
WIDTH YDS.

60 50 40 30 20 10 0 10 20 30 40 50 60

± R/W 12TH STREET

END AREA  
CUT FILL  
VOLUME  
CUT FILL

CALCULATED  
CHECKED



J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299G0012.dgn 10/6/2011 3:38:51 PM dcbarhart

LEFT DRIVE PROFILES - 12TH STREET  
STA. 537+99.43 TO STA. 540+22.08

STA-12TH STREET

224  
317



SEEDING  
END SO.  
WIDTH YDS.

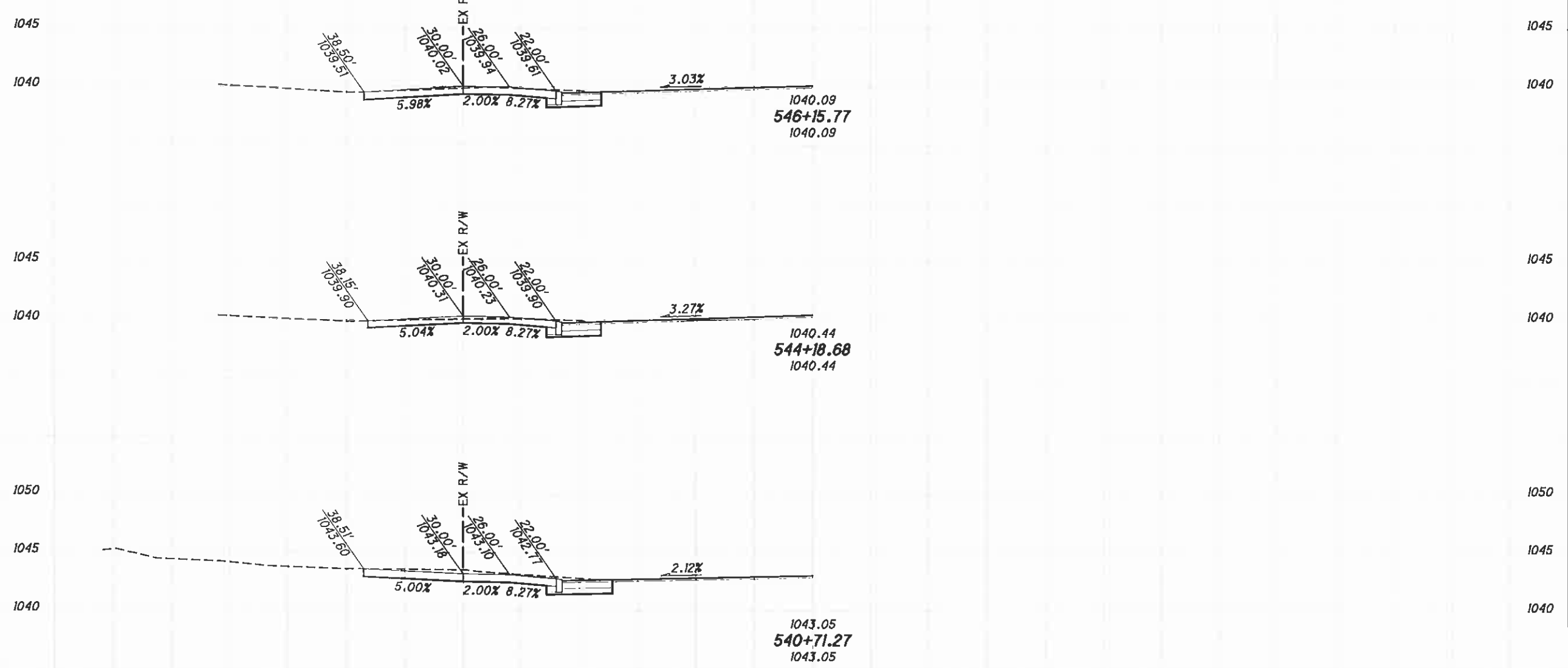
J:\ITS\11-060 12th Street\STA\85299\roadway\sheet\85299GD013.dgn 10/6/2011 3:38:52 PM dcbarnhart ODOT\B61\_PDF\_Half.plt ODOT\B61\_Pen-ME.tbl M-E Companies, Inc.

60 50 40 30 20 10 0 10 20 30 40 50 60

€ R/W 12TH STREET

END AREA VOLUME  
CUT FILL CUT FILL

CALCULATED  
CHECKED



60 50 40 30 20 10 0 10 20 30 40 50 60

€ R/W 12TH STREET

LEFT DRIVE PROFILES - 12TH STREET  
STA. 540+71.27 TO STA. 546+15.77

STA-12TH STREET

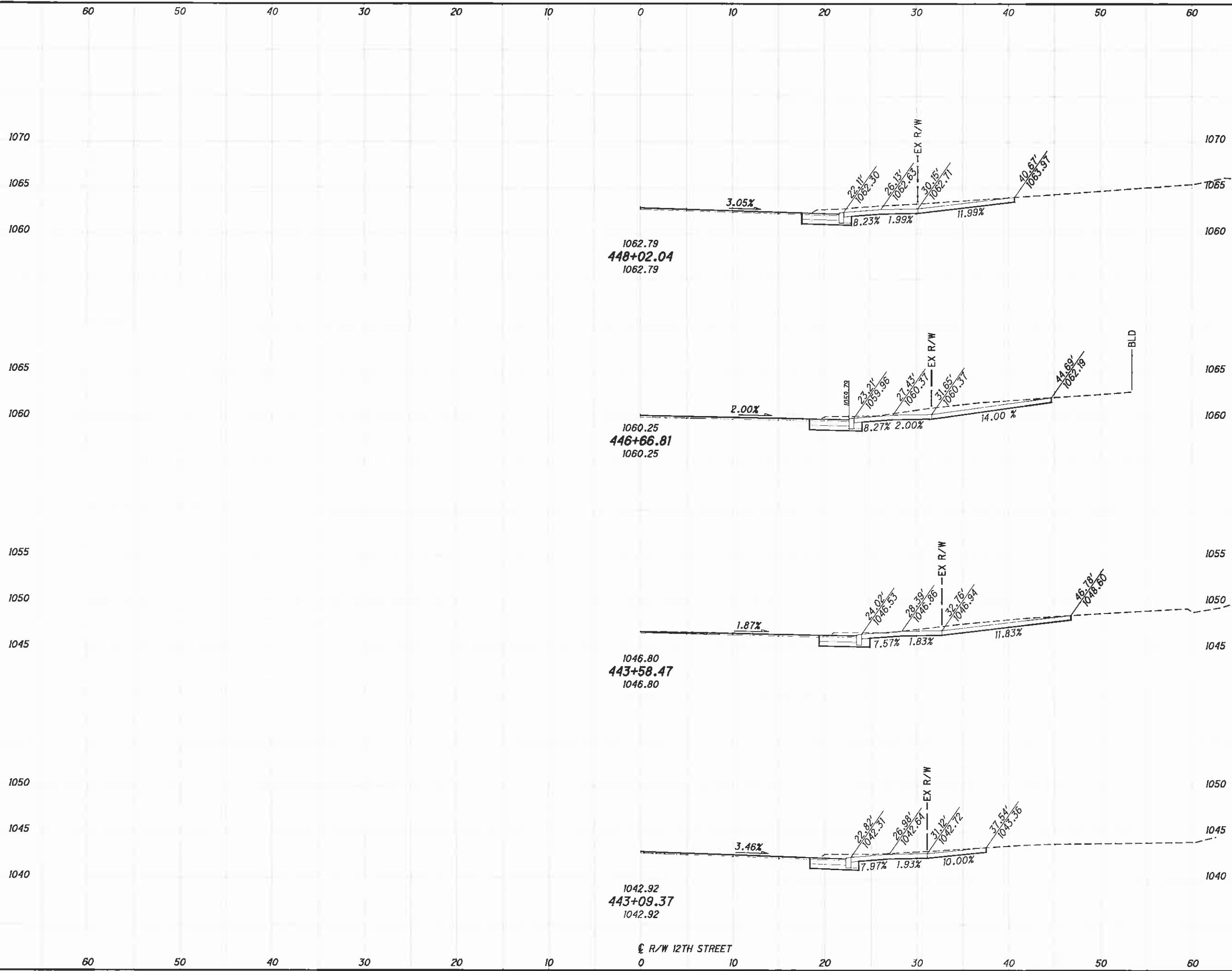
225  
317

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299GD014.dgn 10/6/2011 3:38:53 PM dcbarhart ODOTVBI\_PDF\_Half.plt cfg ODOTVBI\_Per-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
------------	---------



RIGHT DRIVE PROFILES - 12TH STREET  
STA. 443+09.37 TO STA. 448+02.04

STA-12TH STREET

226  
317

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheet\85299GD015.dgn 10/16/2011 3:38:54 PM dcbarnhart\ ODOT\Bi\_PDF\_Half.plt\cig ODOT\Bi\_Pen-ME.lbt M-E Companies, Inc.

SEEDING  
END SO.  
WIDTH YDS.

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
CHECKED

60 50 40 30 20 10 0 10 20 30 40 50 60

R/W 12TH STREET

1075 1075

1070 1070

1065 1065

1066.53  
454+90.10  
1066.53

0.93%  
8.27% 2.00% 2.00%  
22.00' 1066.50  
26.00' 1066.83  
30.00' 1066.91  
38.82' 1067.08

1070 1070

1065 1065

1066.04  
453+99.33  
1066.04

3.19%  
8.27% 2.00% 4.26%  
22.00' 1065.52  
26.00' 1065.85  
30.00' 1065.93  
34.04' 1066.10

1070 1070

1065 1065

1065.47  
453+09.86  
1065.47

2.00%  
7.97% 2.00% 6.00%  
22.00' 1065.21  
26.00' 1065.54  
30.00' 1065.62  
34.10' 1065.88

1070 1070

1065 1065

1063.63  
448+94.42  
1063.63

2.56%  
8.27% 2.00% 4.00%  
22.00' 1063.24  
26.04' 1063.58  
30.00' 1063.66  
31.97' 1063.73

R/W 12TH STREET

60 50 40 30 20 10 0 10 20 30 40 50 60

RIGHT DRIVE PROFILES - 12TH STREET  
STA. 448+94.42 TO STA. 454+90.10

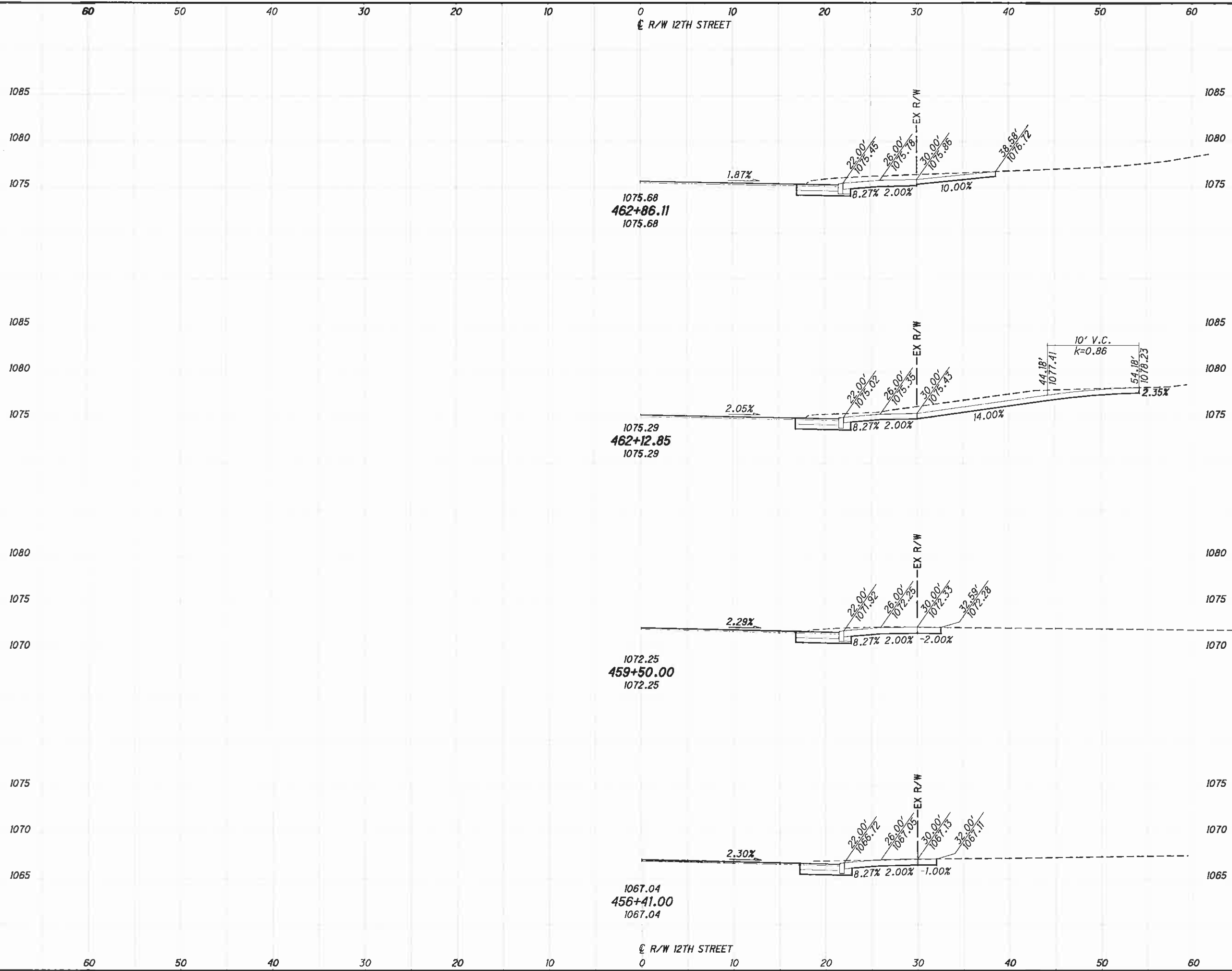
STA-12TH STREET

227  
317

J:\T\S\11-060 12th Street\STA\85299\roadway\sheet\85299G016.dgn 10/6/2011 3:38:55 PM dcbarhart

SEEDING  
END SO.  
WIDTH YQS.

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
CHECKED



RIGHT DRIVE PROFILES - 12TH STREET  
STA. 456+41.00 TO STA. 462+86.11

STA-12TH STREET

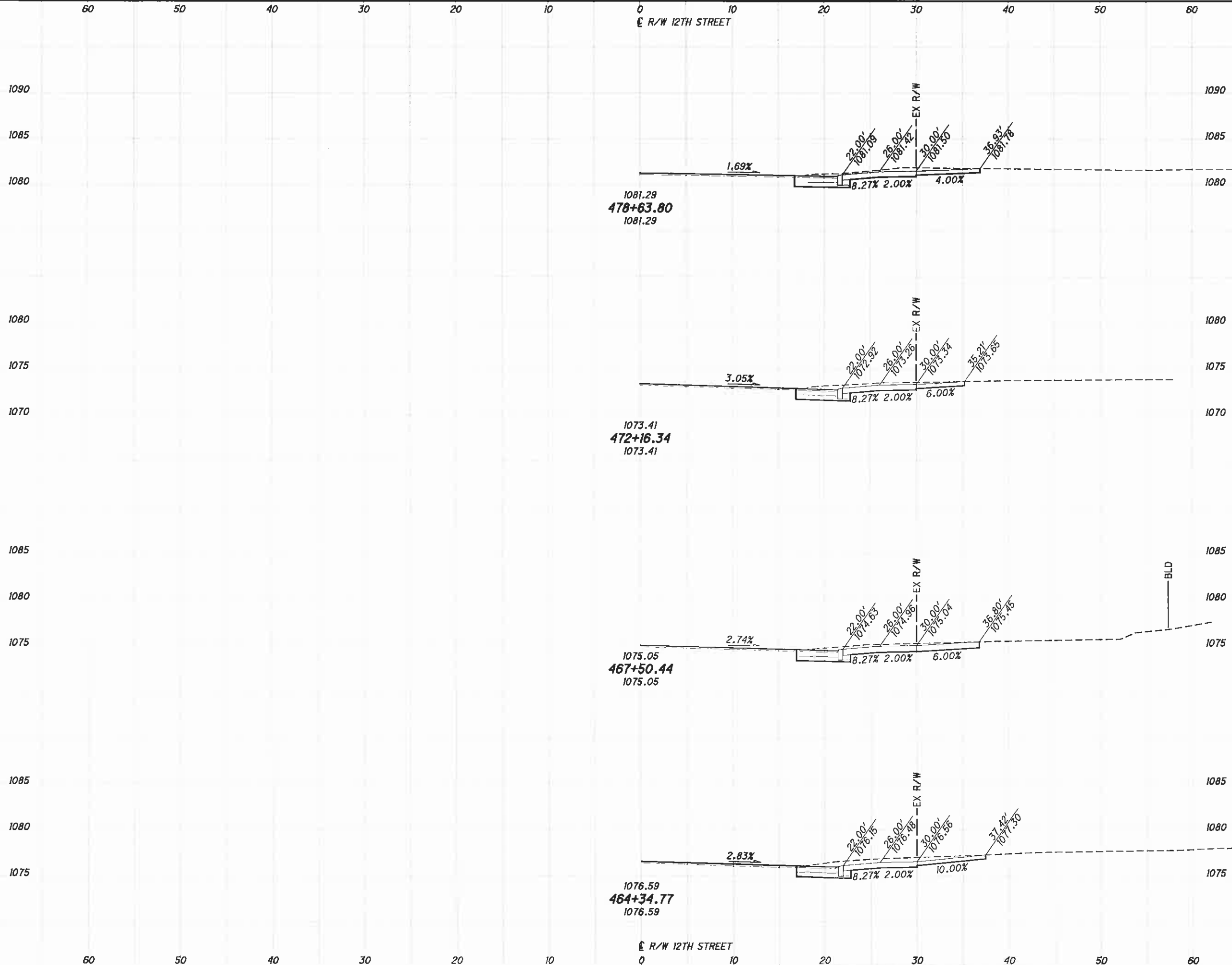
228  
317

J:\ITS\11-11-060 12th Street\STA\85299\roadway\sheet\85299G0017.dgn 10/16/2011 3:38:56 PM dcbarnhar\ ODOTVBI\_PDF\_Half.plt\cfig ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
------------	---------



RIGHT DRIVE PROFILES - 12TH STREET  
STA. 464+34.77 TO STA. 478+63.80

STA-12TH STREET

229  
317

J:\S\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299\roadway\B5299D018.dgn 10/6/2011 3:38:57 PM dcbarhart ODOTVBI\_PDF\_Half.plt c:\odotvbi\_pen-me.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YQS.

60

50

40

30

20

10

0

10

20

30

40

50

60

⊕ R/W 12TH STREET

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
------------	---------

1090

1085

1080

1090

1085

1080

1084.20  
489+00.00  
1084.20

3.29%

8.27% 2.00% 1.56%

22.00' / 1083.88'  
26.00' / 1083.99'  
30.00' / 1084.07'  
36.52' / 1084.17'

EX R/W

1090

1085

1085.16  
486+37.24  
1085.16

2.03%

8.27% 2.00% 6.00%

22.00' / 1084.89'  
26.00' / 1085.22'  
30.00' / 1085.30'  
35.00' / 1085.50'

EX R/W

1090

1085

1095

1090

1085

1085.98  
483+85.00  
1085.98

1.10%

8.27% 2.00% 6.00%

22.00' / 1085.91'  
26.00' / 1086.23'  
30.00' / 1086.31'  
37.55' / 1086.31'

EX R/W

1095

1090

1085

1090

1085

1085.06  
480+79.97  
1085.06

3.17%

8.27% 2.00% 8.00%

22.00' / 1084.55'  
26.00' / 1084.88'  
30.00' / 1084.96'  
38.82' / 1085.67'

EX R/W

1090

1085

⊕ R/W 12TH STREET

60

50

40

30

20

10

0

10

20

30

40

50

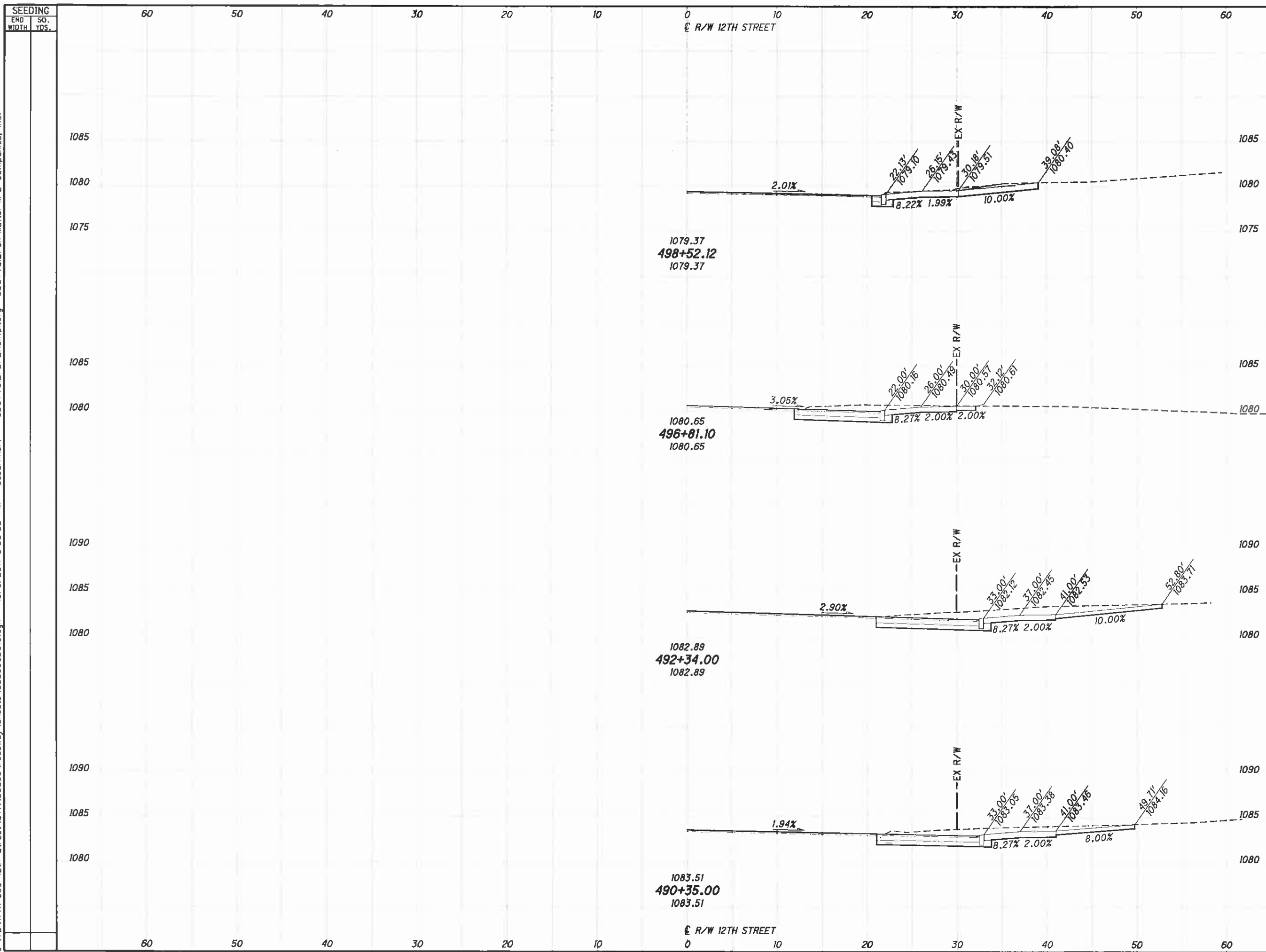
60

RIGHT DRIVE PROFILES - 12TH STREET  
STA. 480+79.97 TO STA. 489+00.00

STA-12TH STREET

230  
317

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheets\B5299GD019.dgn 10/16/2011 3:38:58 PM dcbarnhart ODOTVBI\_PDF\_Half.plt c:\g ODOTVBI\_Pen-ME.tb! M-E Companies, Inc.



SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

RIGHT DRIVE PROFILES - 12TH STREET  
STA. 490+35.00 TO STA. 498+52.12

STA-12TH STREET

231  
317

J:\NTS\1111-060 12th Street\STA\85299\roadway\sheet\85299G0020.dgn 10/6/2011 3:38:59 PM dcbarhorl ODOTVBI\_PDF\_Half.plt c:\g ODOTVBI\_Pan-ME.tbl M-E Companies, Inc.

SEEDING  
END SQ.  
WIDTH YDS.

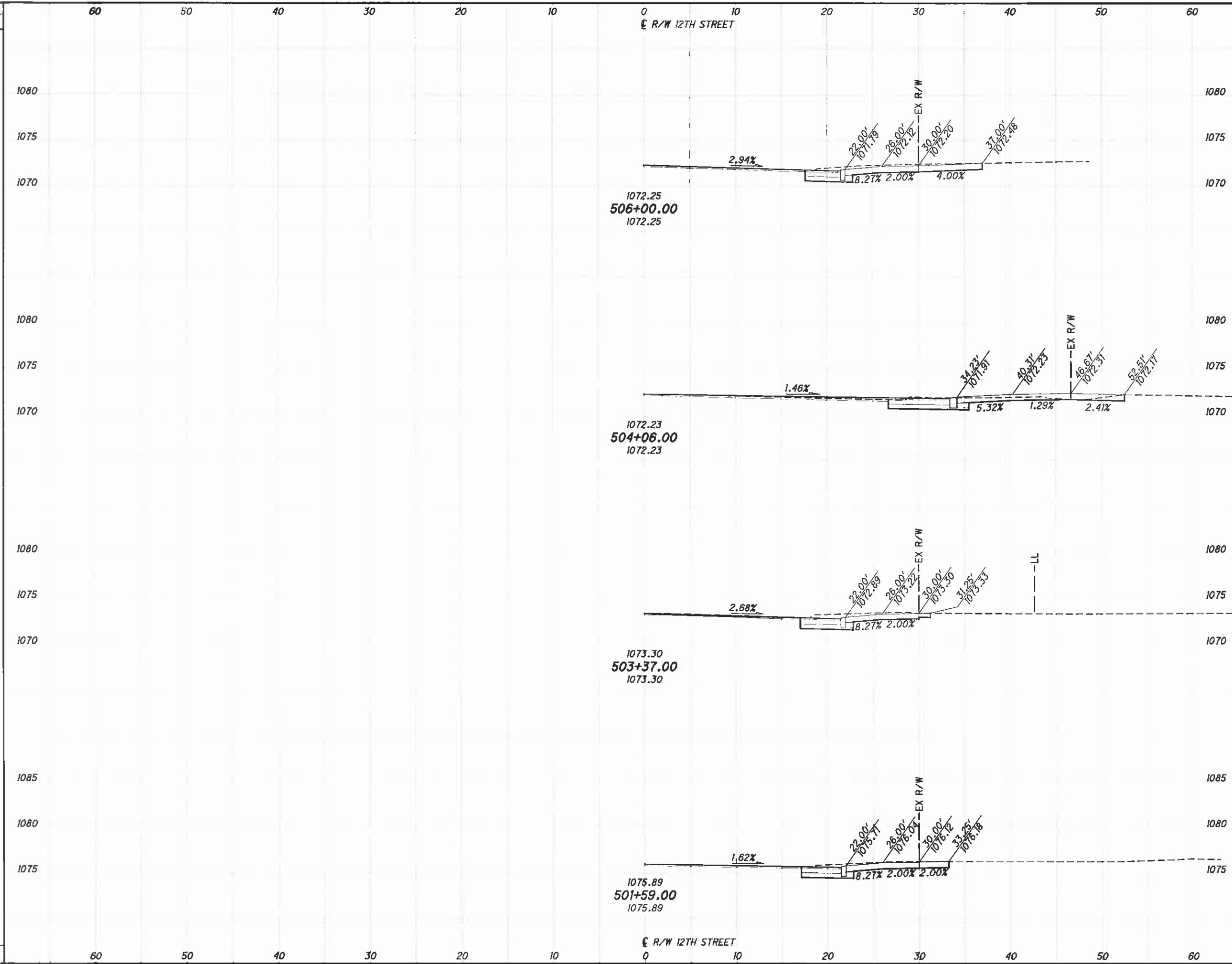
END AREA VOLUME  
CUT FILL CUT FILL

CALCULATED  
CHECKED

RIGHT DRIVE PROFILES - 12TH STREET  
STA. 501+59.00 TO STA. 506+00.00

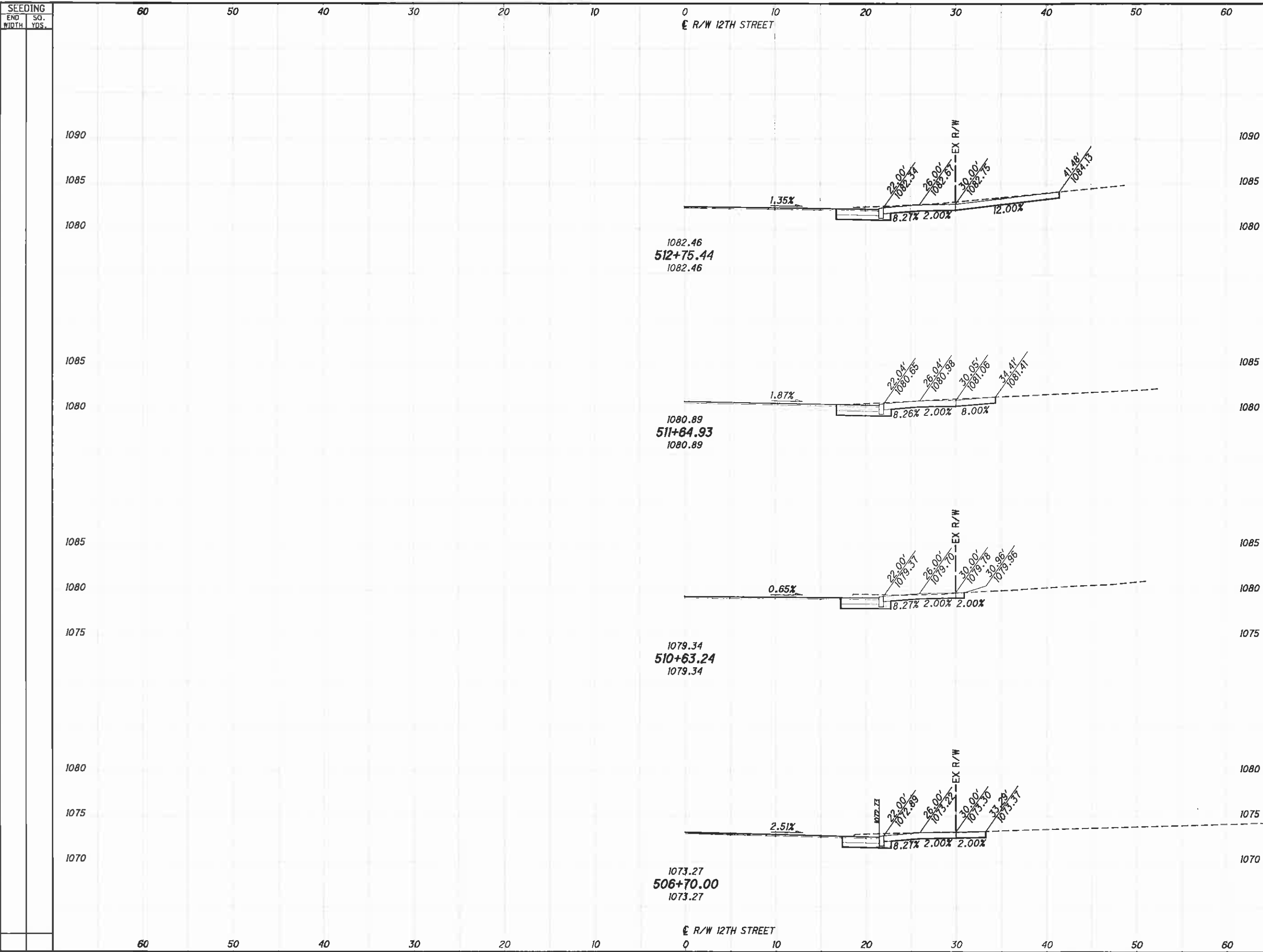
STA - 12TH STREET

232  
317





J:\AT\11\11-060\_12th\_Street\STA\B5299\roadway\sheet\B5299G0021.dgn 10/6/2011 3:39:00 PM dcbarnhart ODOTVBI\_PDF\_Half.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

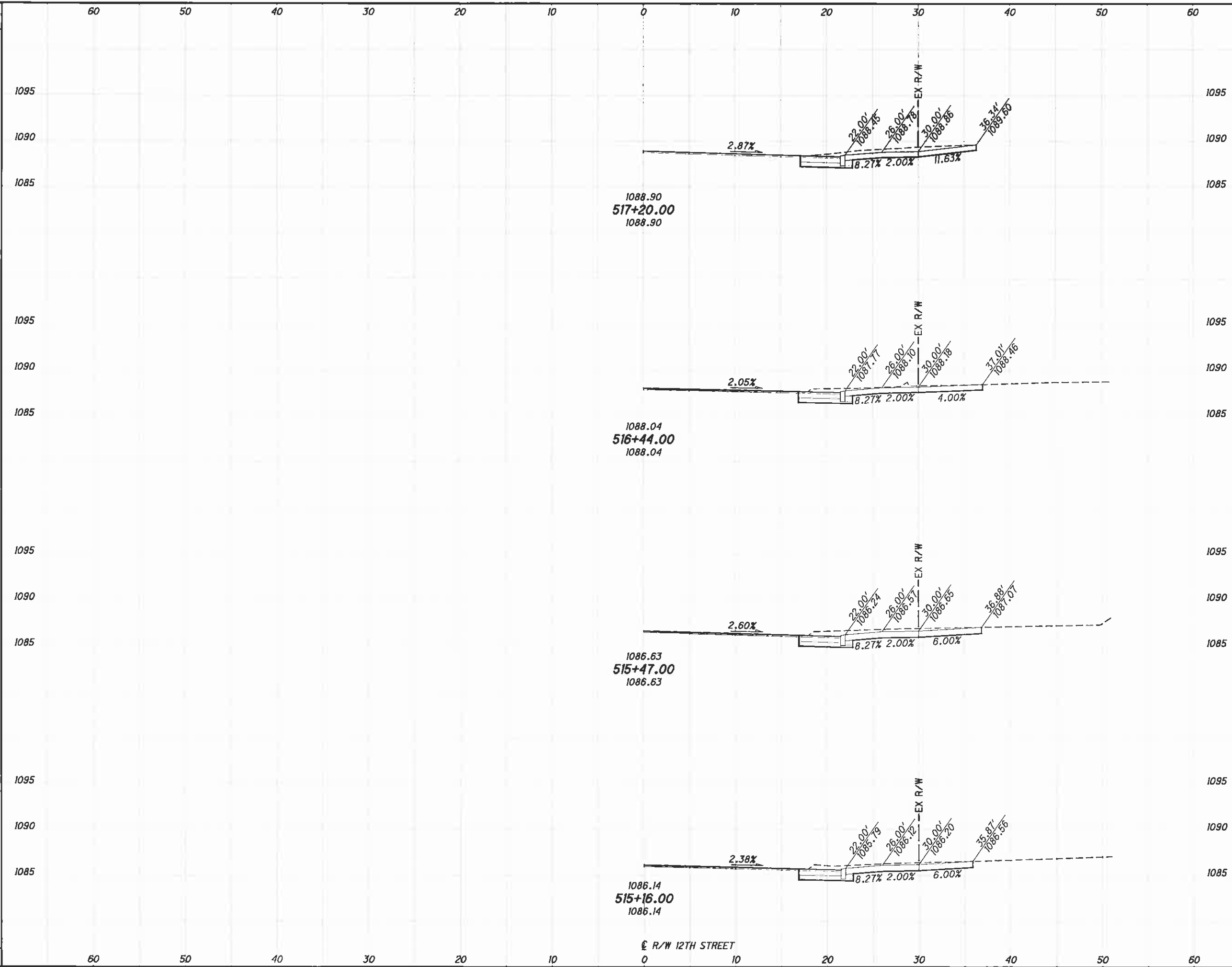


END WIDTH	SEEDING SQ. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		

**RIGHT DRIVE PROFILES - 12TH STREET**  
**STA. 506+70.00 TO STA. 512+75.44**  
**STA - 12TH STREET**  
 233  
 317

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299G0022.dgn 10/6/2011 3:39:01 PM dcbarhart ODOTVBI\_PDF\_Half.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.



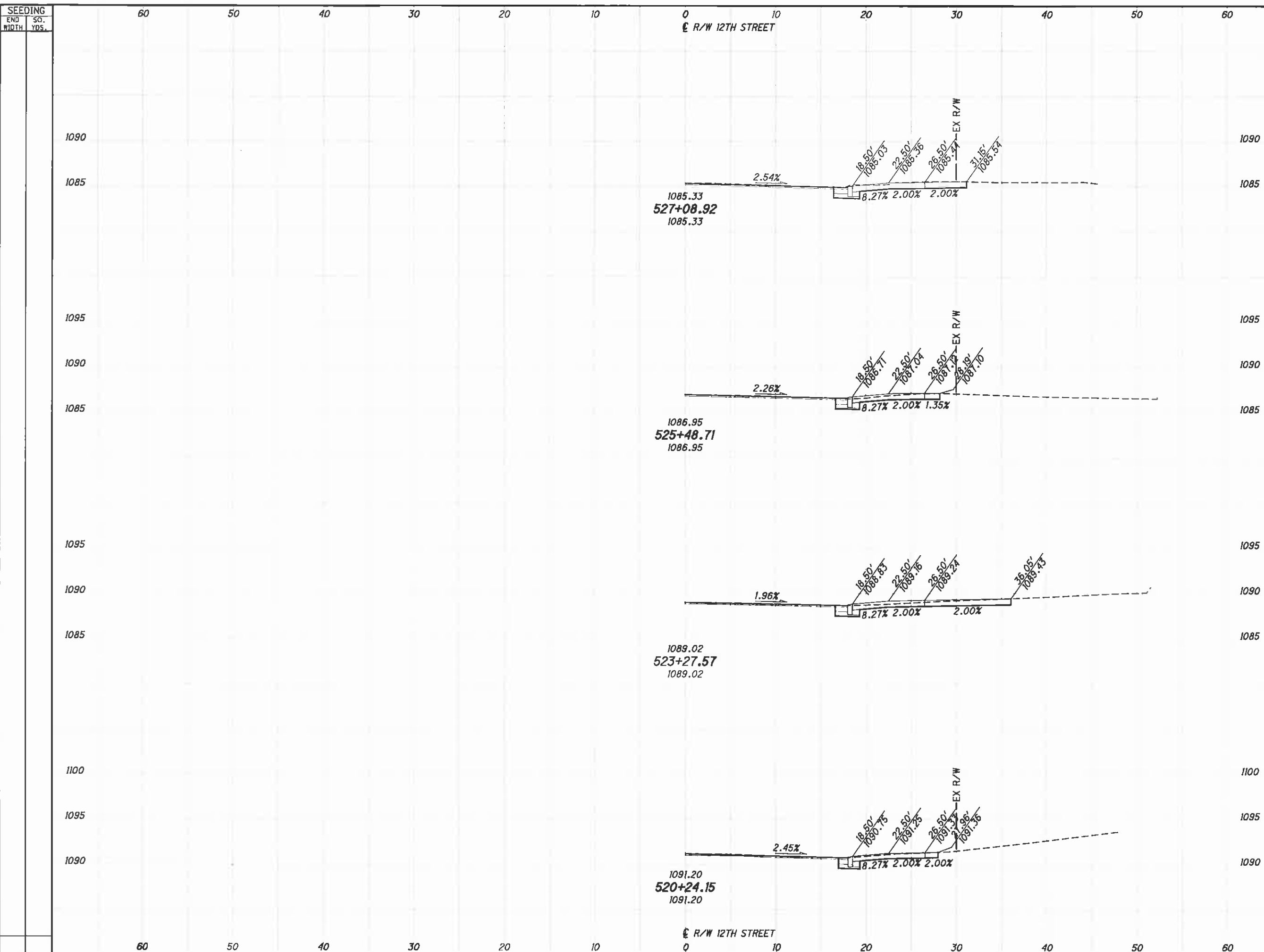
END CUT	AREA FILL	VOLUME		CALCULATED	CHECKED
		CUT	FILL		

RIGHT DRIVE PROFILES - 12TH STREET  
STA. 515+16.00 TO STA. 517+20.00

STA-12TH STREET

234  
317

J:\T\S\11-060 12th Street\STA\85299\roadway\sheets\85299G0023.dgn 10/6/2011 3:39:02 PM dcboornhart ODOT\Bi\_PDF\_Half.plt c:\g\odotvb\i Pen-ME.tbl M-E Companies, Inc.



END WIDTH	SEEDING SQ. YDS.	END AREA		VOLUME		CALCULATED	CHECKED
		CUT	FILL	CUT	FILL		

RIGHT DRIVE PROFILES - 12TH STREET  
 STA. 520+24.15 TO STA. 527+08.92  
 STA-12TH STREET  
 235  
 317

SEEDING  
END SO.  
WIDTH YDS.

60

50

40

30

20

10

0

10

20

30

40

50

60

€ R/W 12TH STREET

END AREA  
CUT FILL

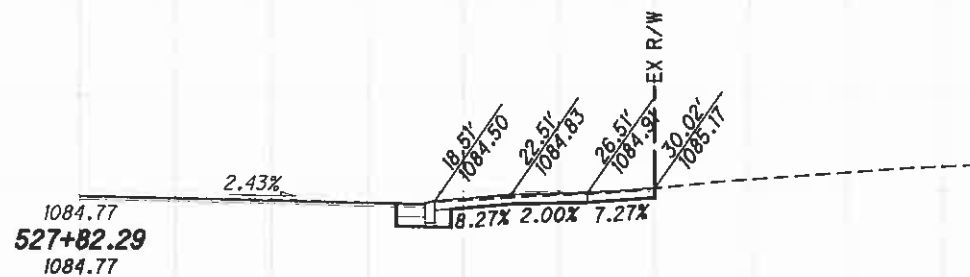
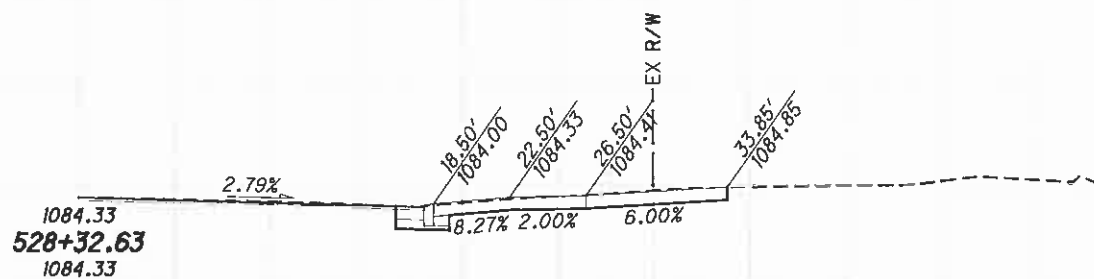
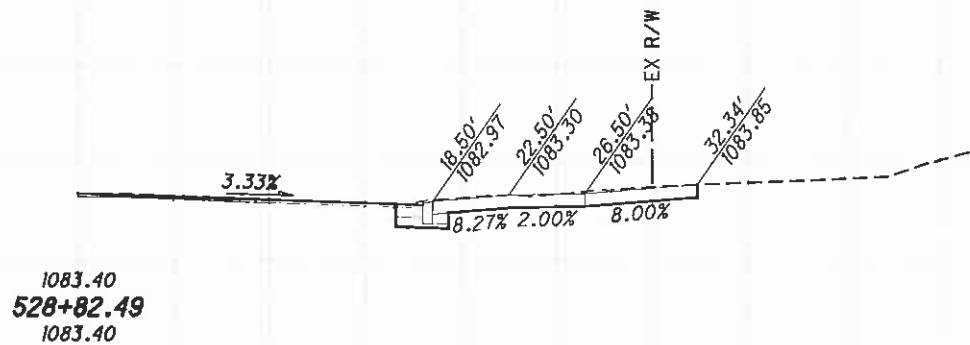
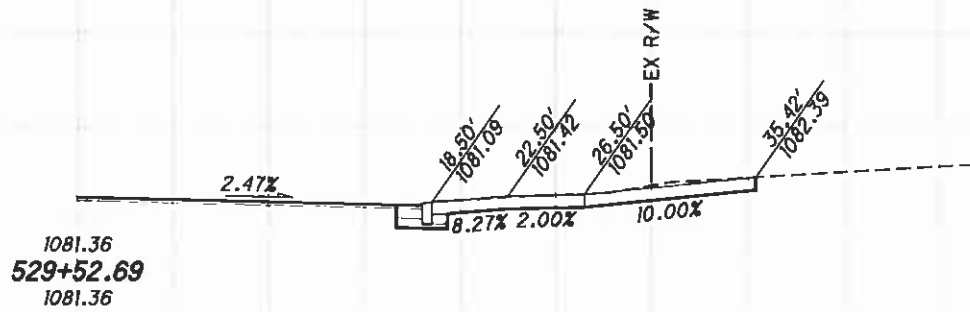
VOLUME  
CUT FILL

CALCULATED  
CHECKED

J:\TS\11\11-060\_12th Street\STA\B5299\roadway\sheet\B5299GD024.dgn 10/6/2011 3:39:03 PM dcbarhart' ODOT\B5\_PDF\_Half.plt:cg ODOT\B5\_Pen-ME.tbl M-E Companies, Inc.

1090  
1085  
1080  
  
1090  
1085  
1080  
  
1090  
1085  
1080  
  
1090  
1085  
1080

1090  
1085  
1080  
  
1090  
1085  
1080  
  
1090  
1085  
1080  
  
1090  
1085  
1080



€ R/W 12TH STREET

60

50

40

30

20

10

0

10

20

30

40

50

60

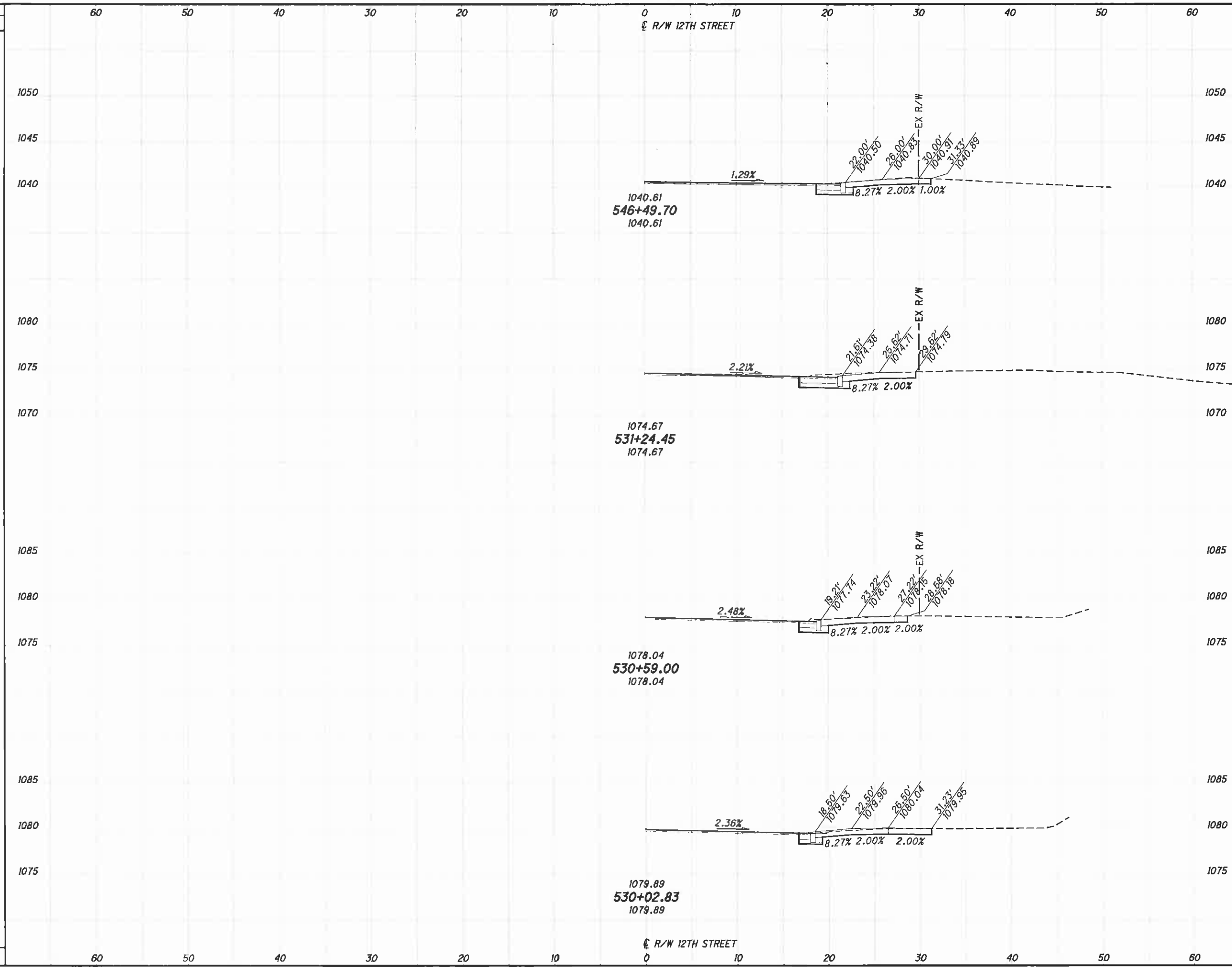
RIGHT DRIVE PROFILES - 12TH STREET  
STA. 527+82.29 TO STA. 529+52.69

STA-12TH STREET

236  
317

J:\TSA\11-060\_12th\_Street\STA\85299\roadway\sheets\85299G025.dgn 10/6/2011 3:39:04 PM dcbarhart ODOTVBI\_PDF\_Half.plt c:\g\odot\vb\Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SQ. YDS.



END CUT	AREA FILL	VOLUME		CALCULATED	CHECKED
		CUT	FILL		

RIGHT DRIVE PROFILES - 12TH STREET  
 STA. 530+02.83 TO STA. 546+49.70

STA-12TH STREET

237  
317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GDD026.dgn 10/6/2011 3:39:05 PM dcbarhart\ ODOTVBI\_PDF\_Half.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

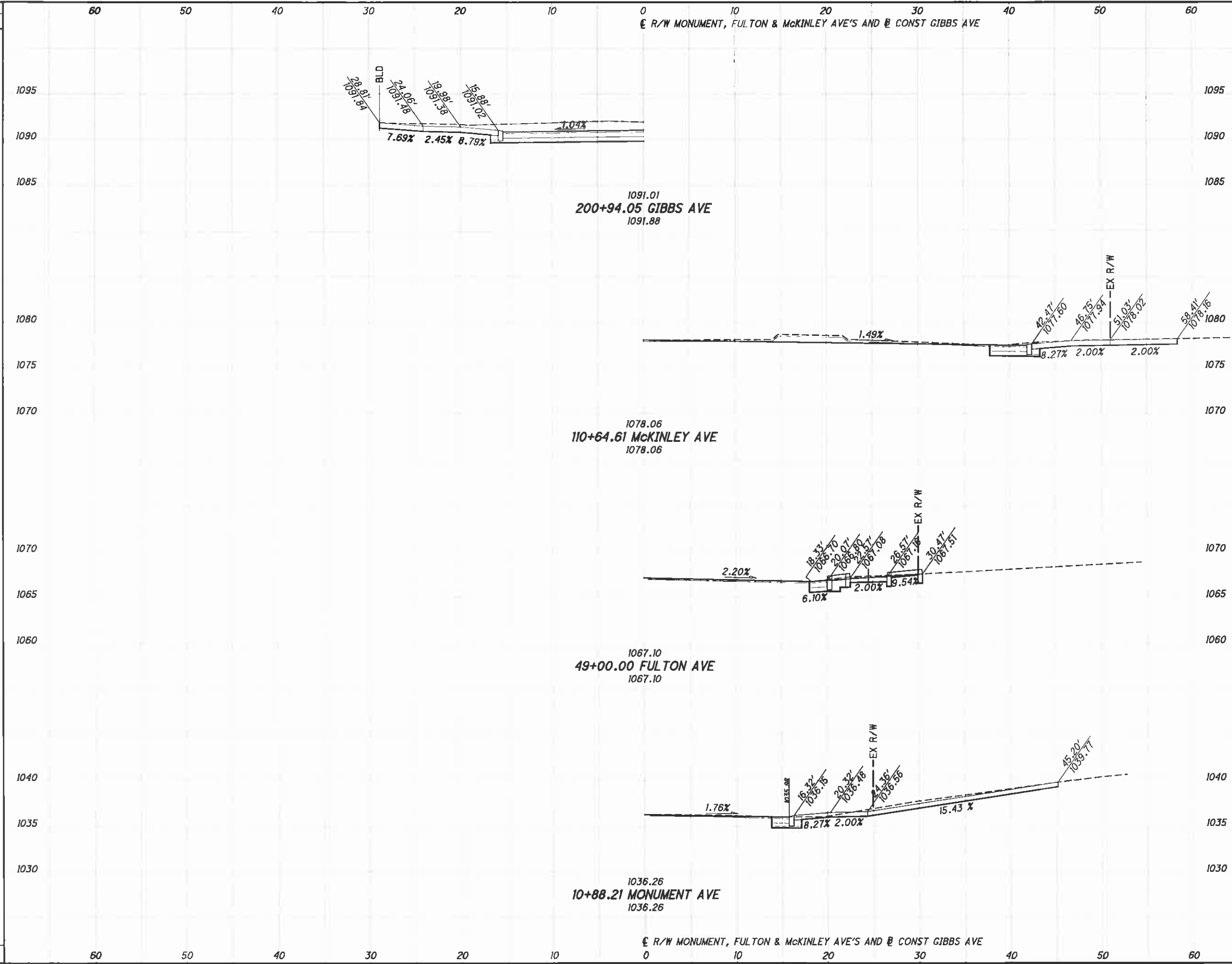
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
------------	---------

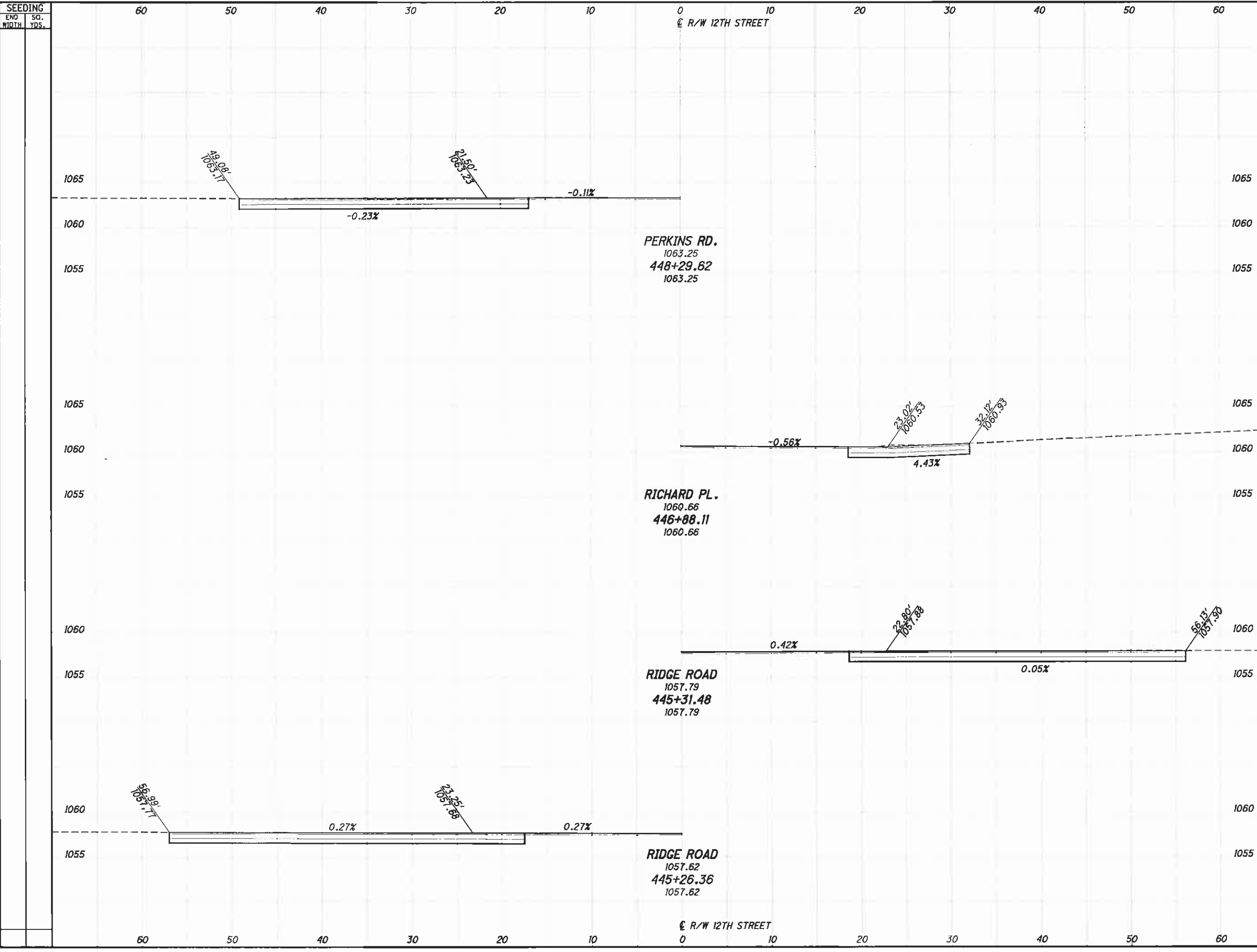
DRIVE PROFILES - SIDE ROADS  
MONUMENT, FULTON, MCKINLEY & GIBBS AVENUES

STA-12TH STREET

238  
317



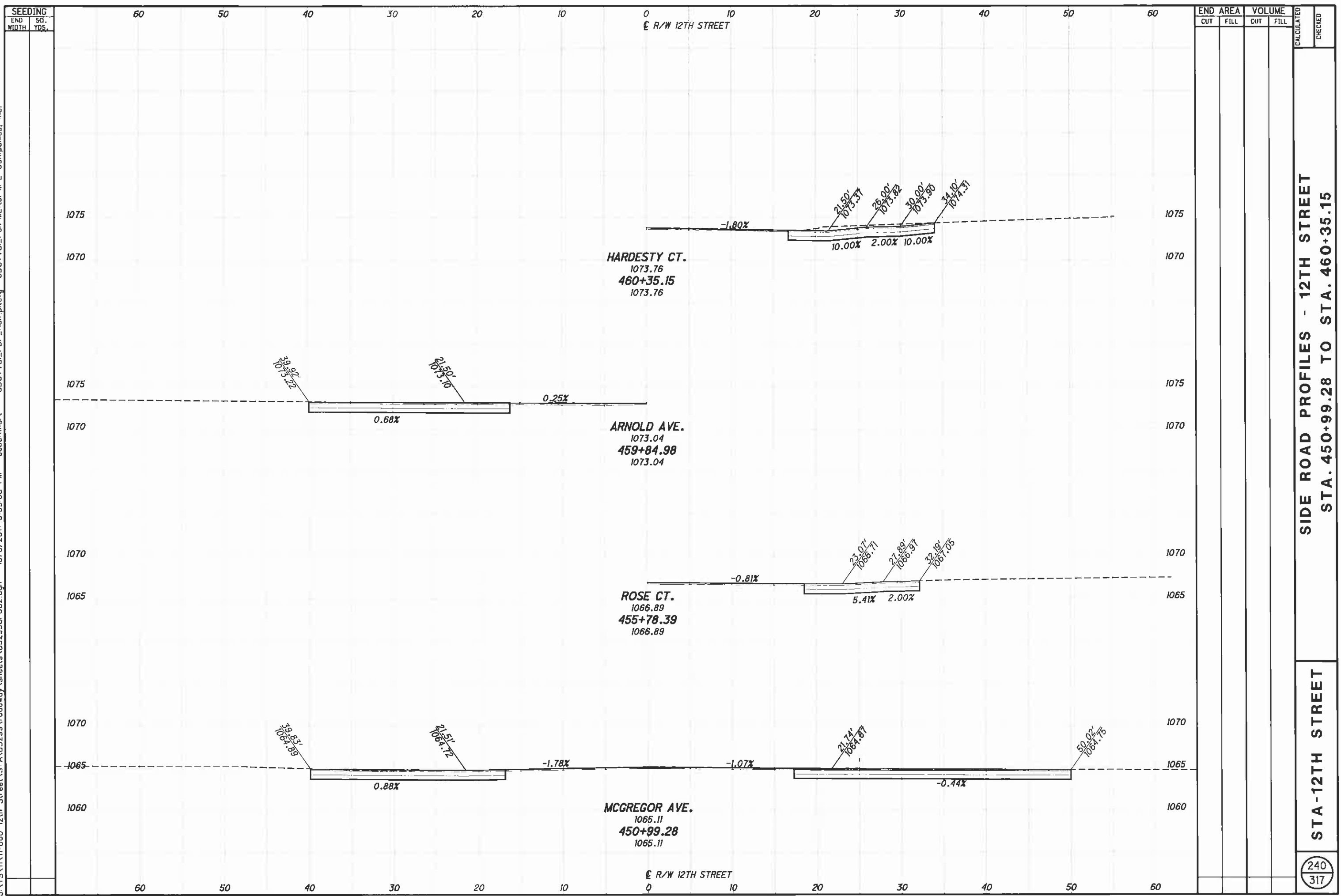
J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299CF001.dgn 10/6/2011 3:39:07 PM dcbarhart ODOT\Bi\_PDF\_Half.plt:fg ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.



END	AREA		VOLUME	
	CUT	FILL	CUT	FILL

SIDE ROAD PROFILES - 12TH STREET  
 STA. 445+26.36 TO STA. 448+29.62  
 STA-12TH STREET  
 239  
 317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GF002.dgn 10/6/2011 3:39:08 PM dcbarhart ODOT\B\i\_PDF\_Half\_plt.ctg ODOT\B\i\_Pen-ME.tbl M+E Companies, Inc.



SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

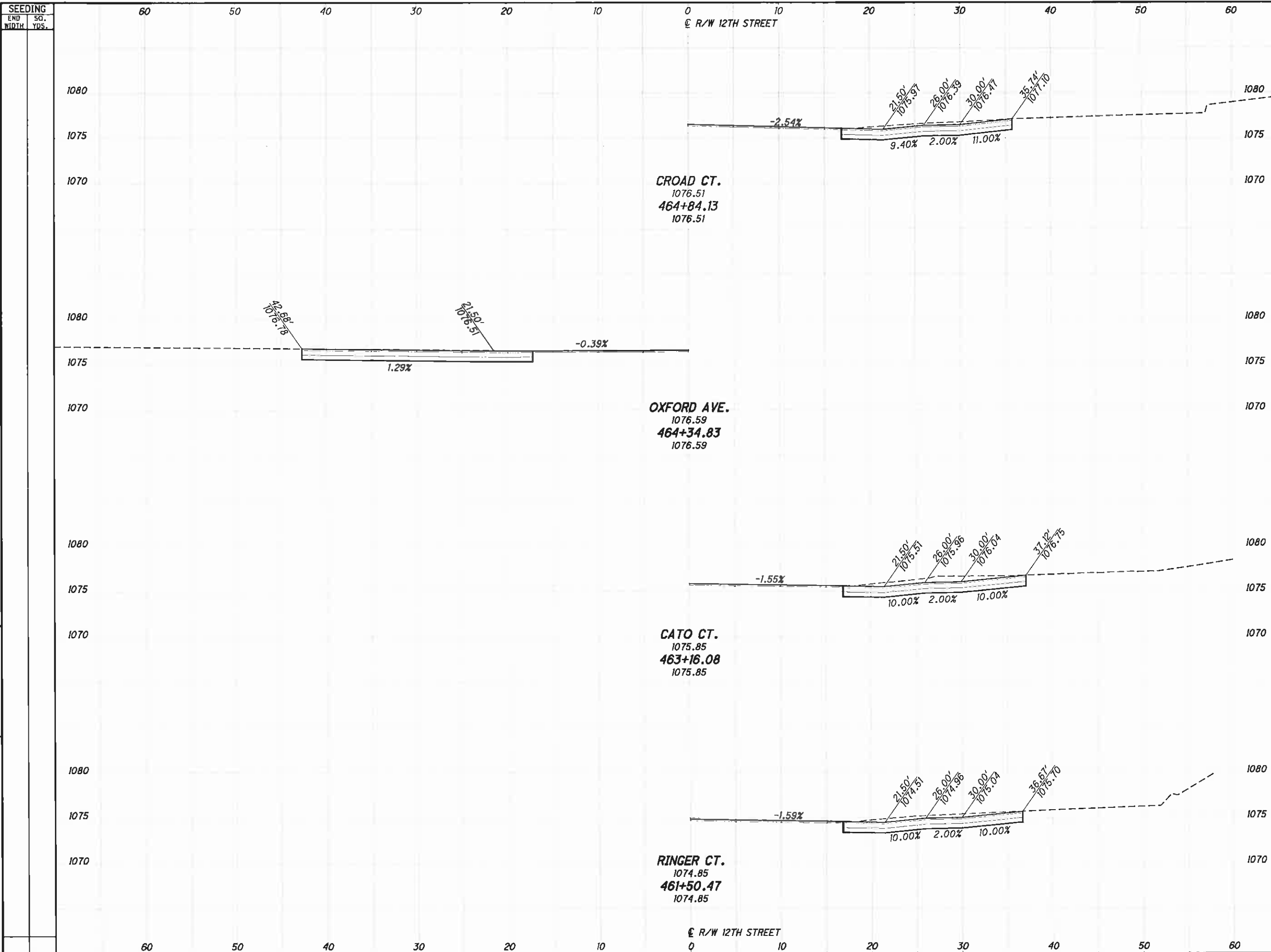
**STA-12TH STREET**

**SIDE ROAD PROFILES - 12TH STREET**  
**STA. 450+99.28 TO STA. 460+35.15**

(240)  
317

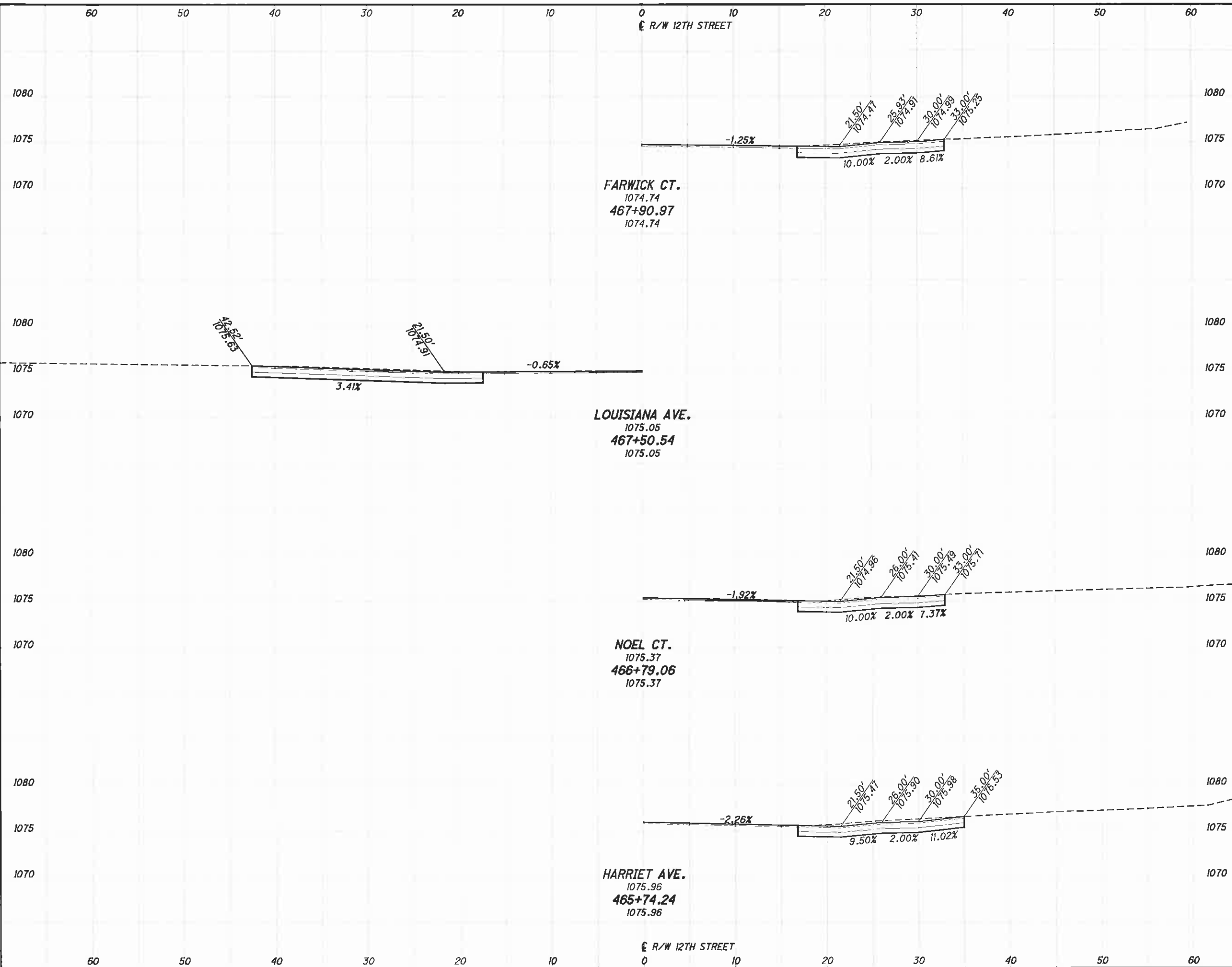


J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GF003.dgn 10/6/2011 3:39:09 PM dcbarhart ODOTV81\_PDF\_Half.plt cfg ODOTV81\_Pen-ME.tbl M-E Companies, Inc.



J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GF004.dgn 10/6/2011 3:39:10 PM dcbarharl\ ODOTVBI\_PDF\_Hair.plt:fg ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

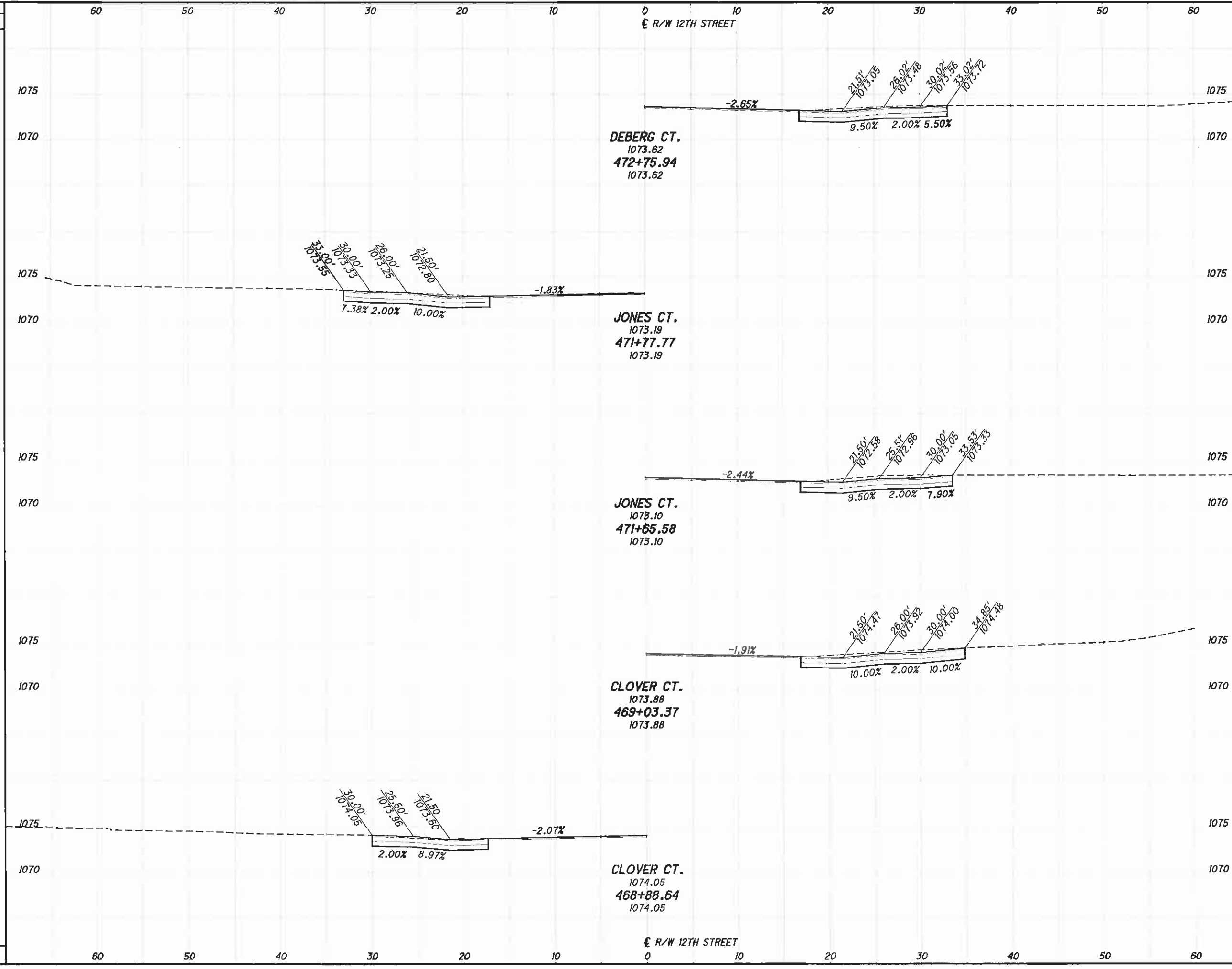
SIDE ROAD PROFILES - 12TH STREET  
 STA. 465+74.24 TO STA. 467+90.97  
 STA-12TH STREET  
 242  
 317

SEEDING  
END SQ.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL

CALCULATED  
CHECKED

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GF005.dgn 10/6/2011 3:39:11 PM dcbarhart\ ODOT\B\Pen-ME.tbi M-E Companies, Inc.



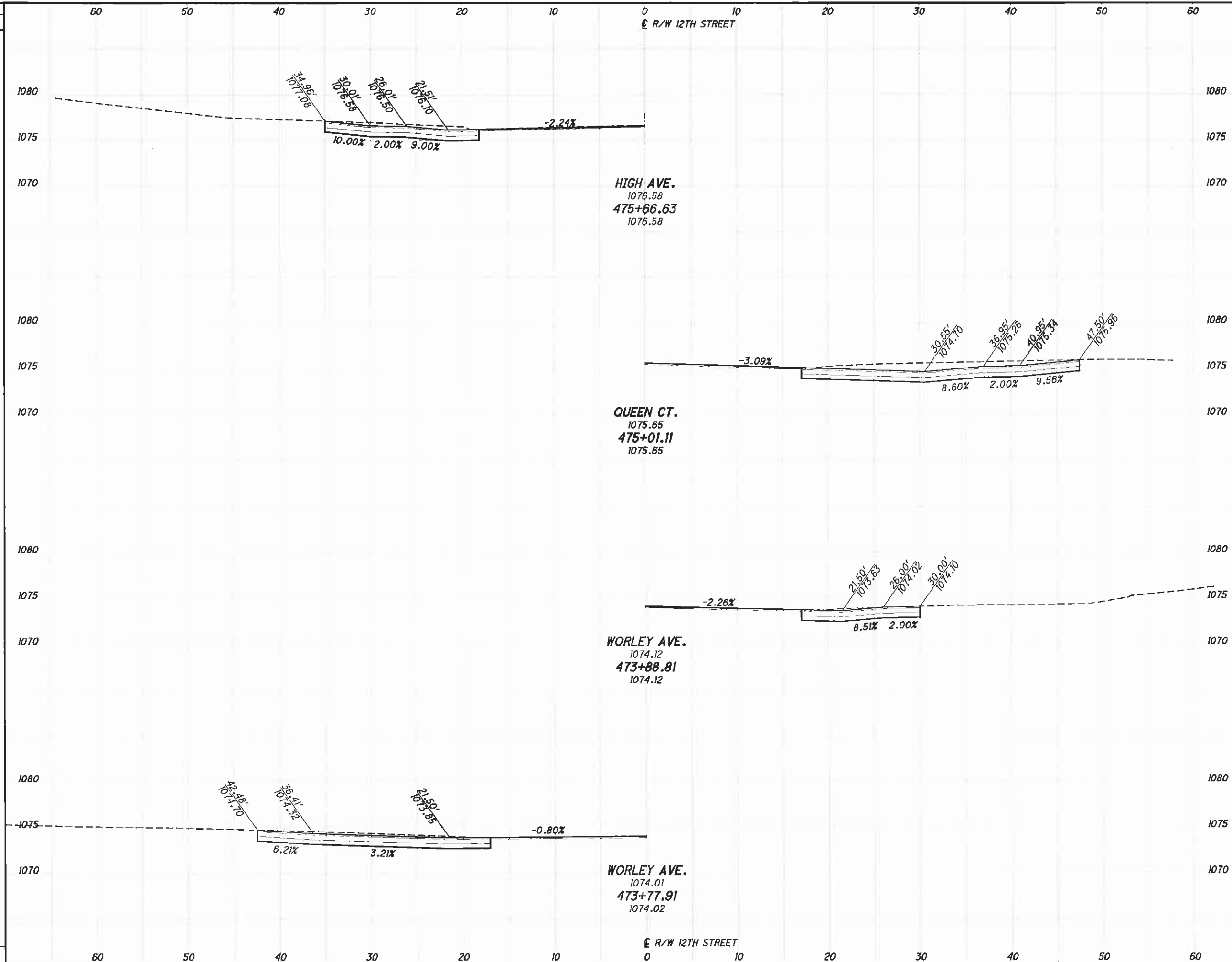
SIDE ROAD PROFILES - 12TH STREET  
STA. 468+88.64 TO STA. 472+75.94

STA-12TH STREET

243  
317

J:\T5\11-060 12th Street\STA\85299\roadway\sheet\85299CF006.dgn 10/6/2011 3:39:12 PM dcbarharl' ODOTVBi\_PDF\_Half.pltclg ODOTVBi\_Pen-ME.lbt M-E Companies, Inc.

SEEDING	
END WIDTH	SO. YDS.

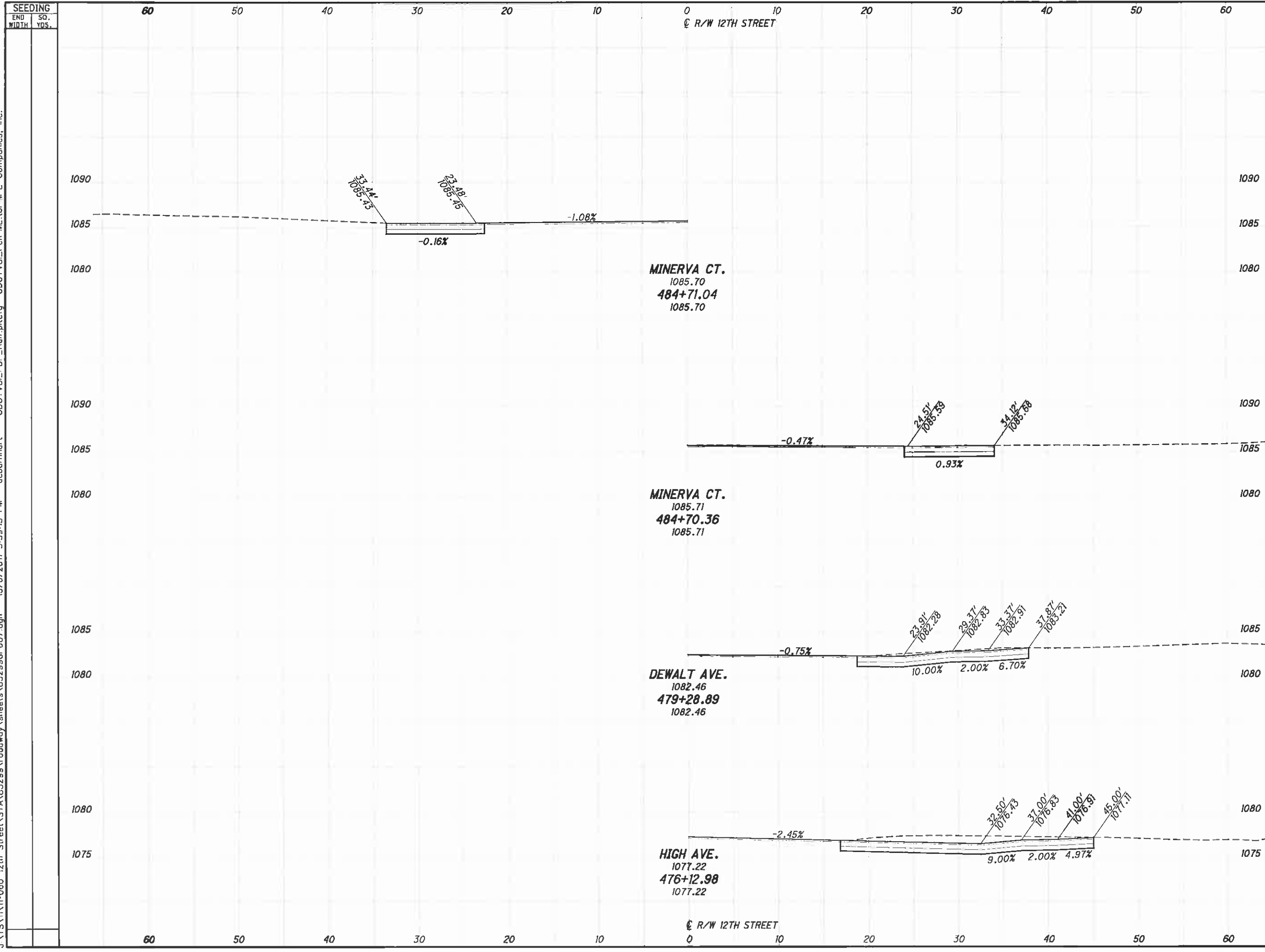


END AREA		VOLUME	
CUT	FILL	CUT	FILL

SIDE ROAD PROFILES - 12TH STREET  
 STA. 473+77.91 TO STA. 475+66.63

STA-12TH STREET  
 244  
 317

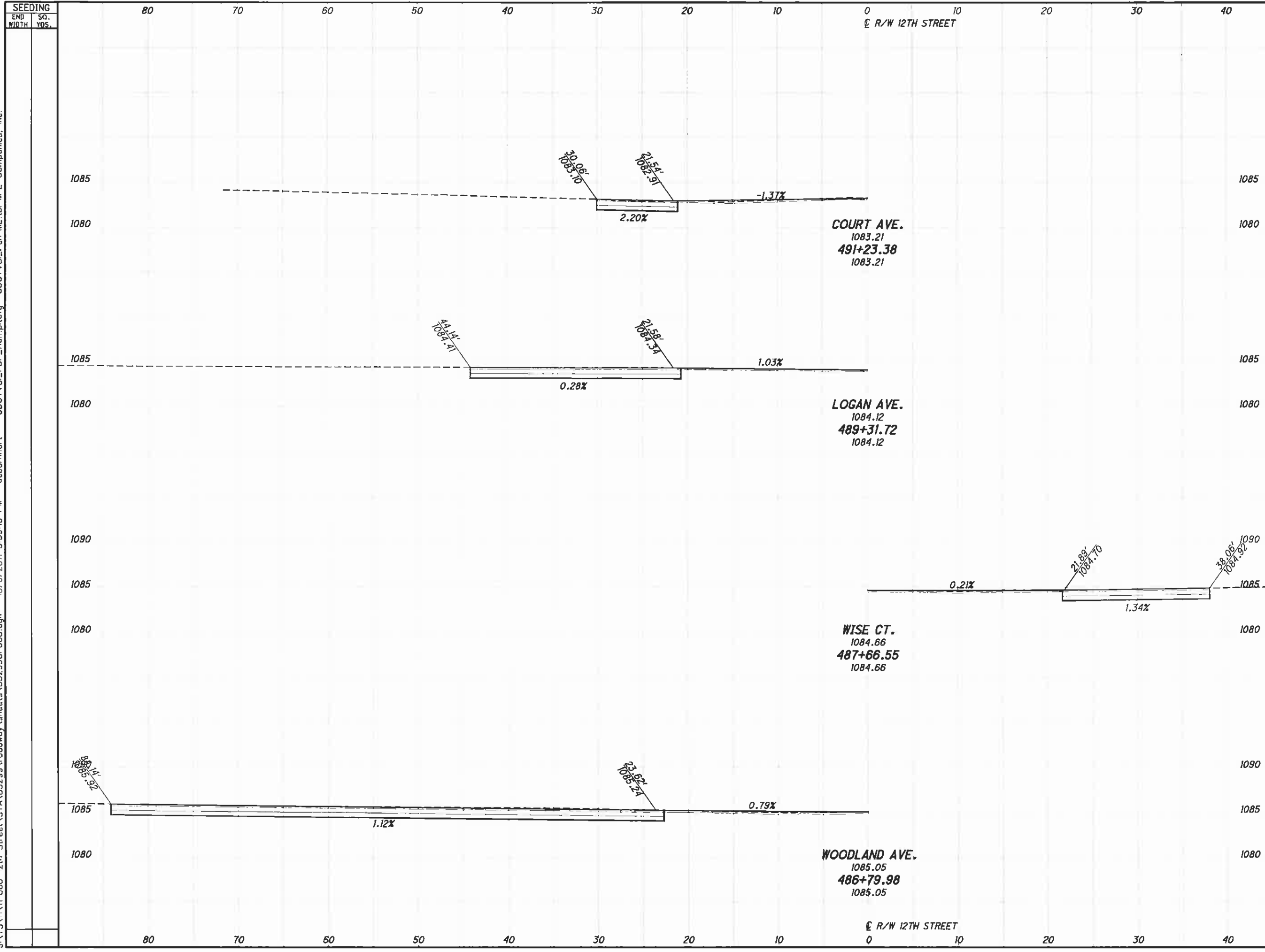
J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GF007.dgn 10/6/2011 3:39:13 PM dcbarnhart ODOT\81\_PDF\_Hair.plt:fg ODOT\81\_Pen-ME.tbl M-E Companies, Inc.



SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

SIDE ROAD PROFILES - 12TH STREET  
 STA. 476+12.98 TO STA. 484+71.04  
 STA-12TH STREET  
 245  
 317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\B5299GF008.dgn 10/6/2011 3:39:15 PM dcbohrnar1\ ODOTV61\_PDF\_Hair.plt cfg ODOTV61\_Pen-ME.lbt M-E Companies, Inc.



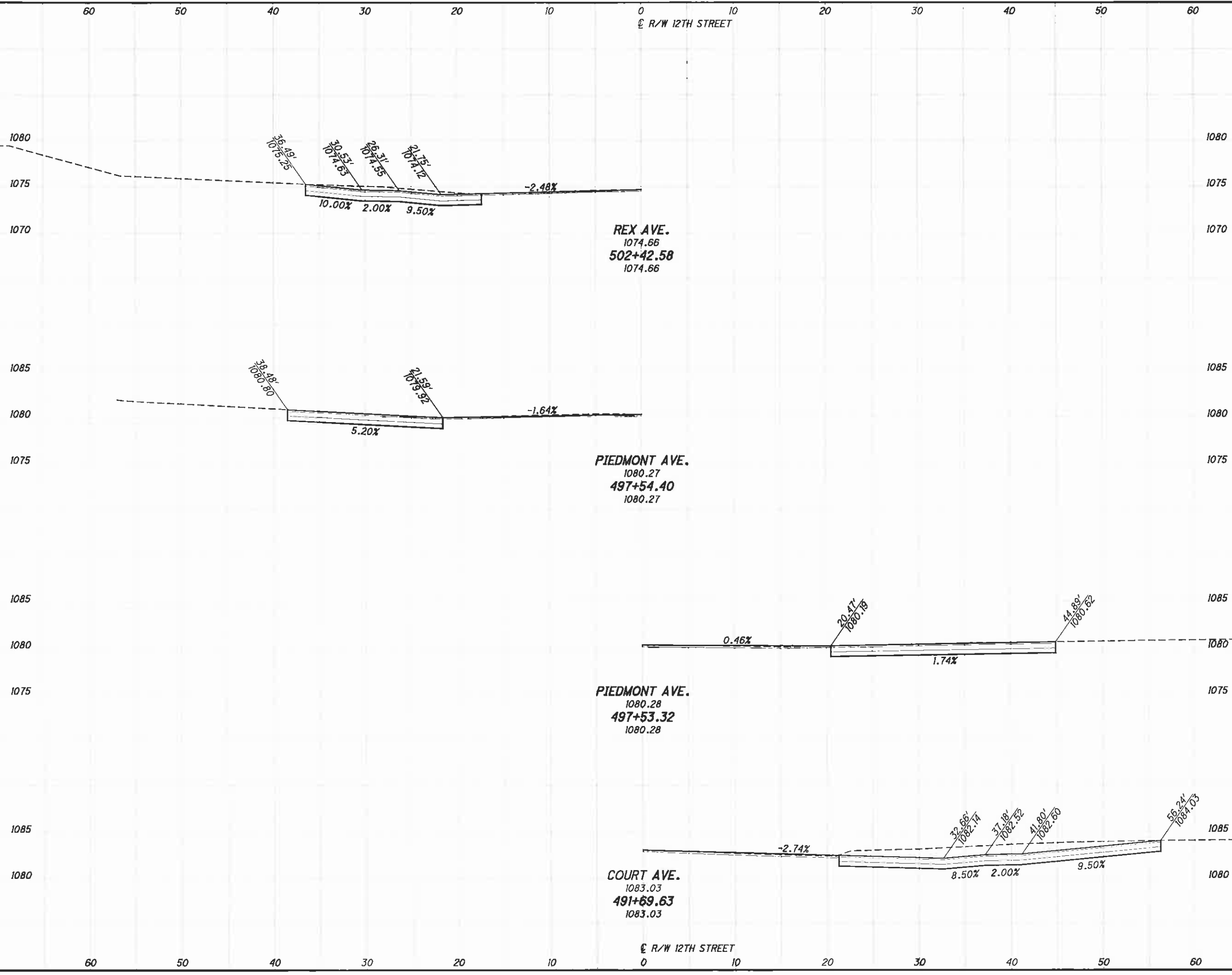
SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL		

**STA-12TH STREET**  
**SIDE ROAD PROFILES - 12TH STREET**  
**STA. 486+79.98 TO STA. 491+23.38**  
246  
317

J:\TS\11-060 12th Street\STA\852999\roadway\sheet\852999GF009.dgn 10/6/2011 3:39:16 PM dcbarnhart ODOTV8I\_PDF\_Half.plt ODOTV8I\_Per-ME.tbl M-E Companies, Inc.

SEEDING	END		SQ. YDS.
	WIDTH	DEPTH	

END	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		

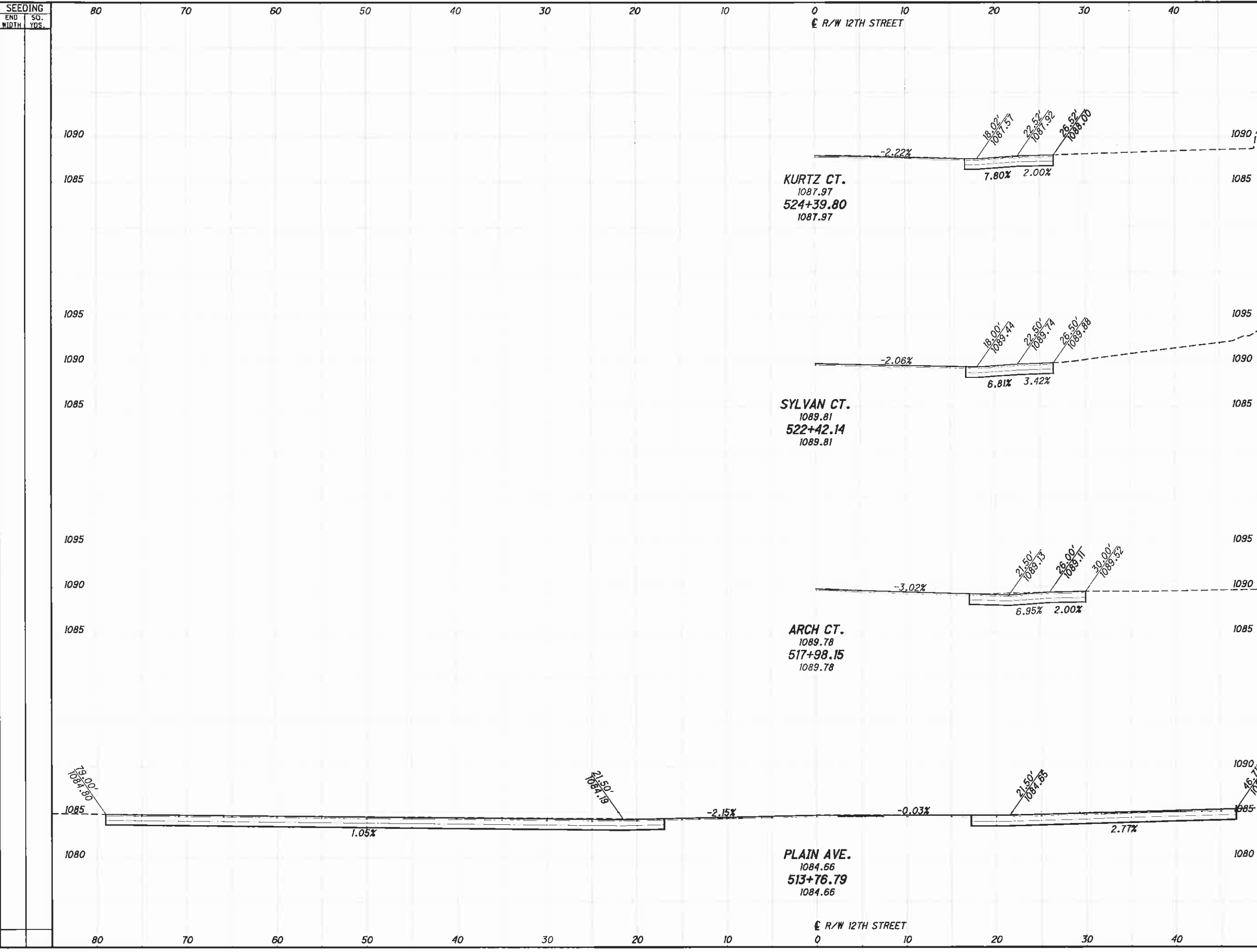


SIDE ROAD PROFILES - 12TH STREET  
STA. 491+69.63 TO STA. 502+42.58

STA-12TH STREET

247  
317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GF010.dgn 10/6/2011 3:39:17 PM dcbarhorl ODOTVBI\_PDF\_Half.plc\g ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



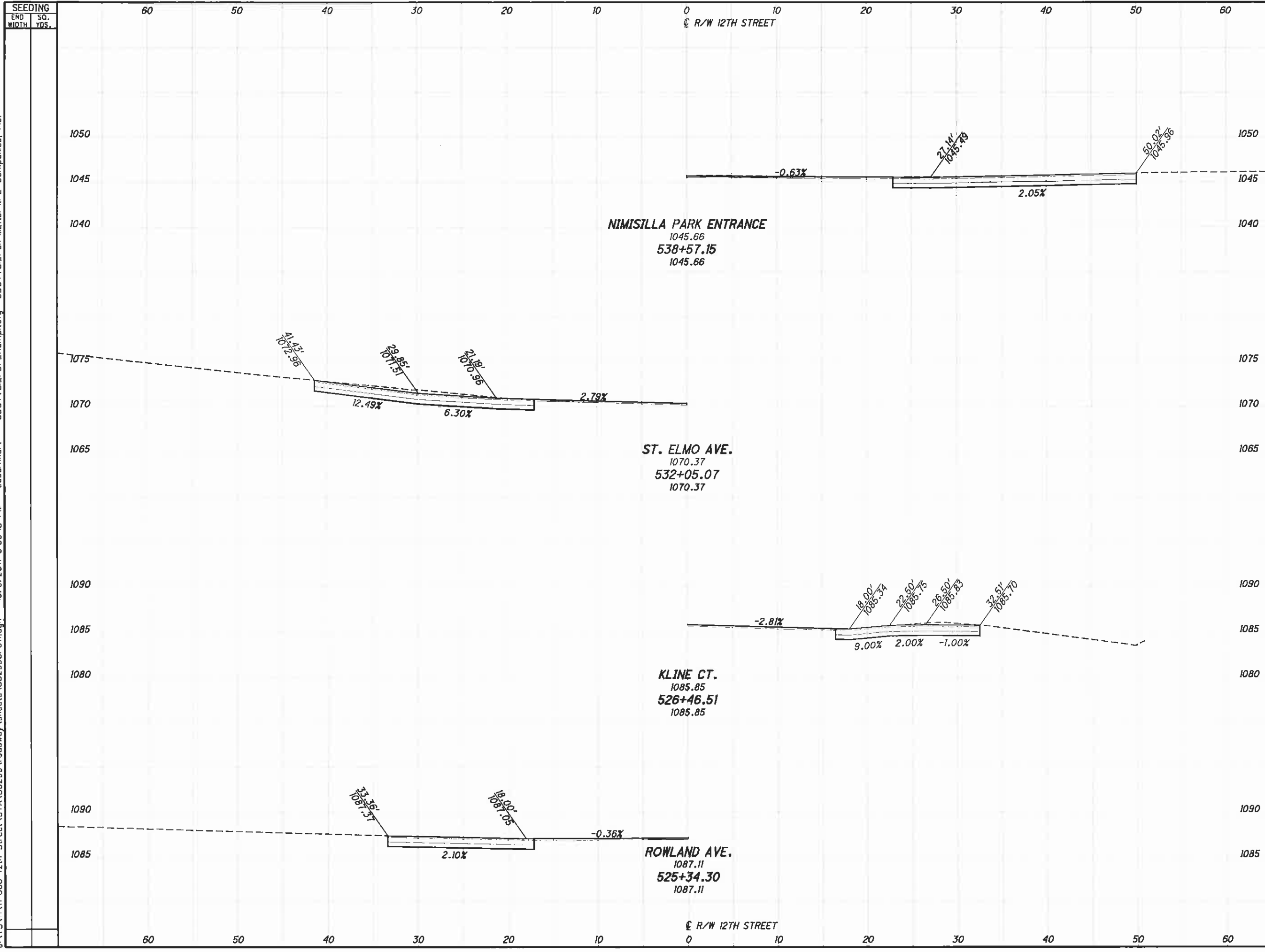
SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

SIDE ROAD PROFILES - 12TH STREET  
STA. 513+76.79 TO STA. 524+39.80

STA-12TH STREET



J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GF01.dgn 10/6/2011 3:39:18 PM dcbarnhart ODOT\Bj\_PDF\_Half.plt c:\g ODOT\Bj\_Pen-ME.tbl M-E Companies, inc.






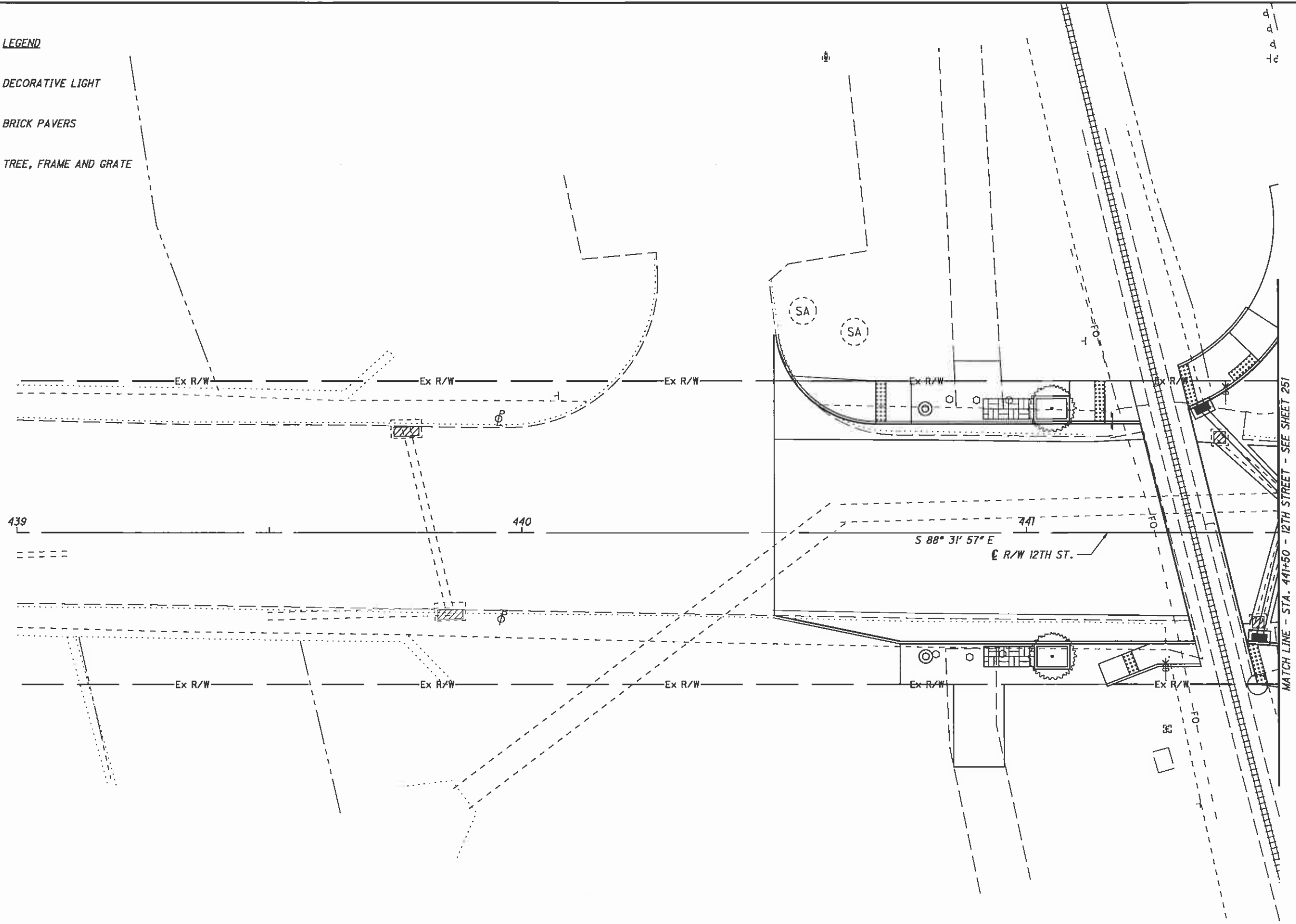
SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL		

**SIDE ROAD PROFILES - 12TH STREET**  
**STA. 525+34.30 TO STA. 538+57.15**  
**STA-12TH STREET**  
 249  
 317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GM001.dgn 10/6/2011 3:39:21 PM dcbarnhart\ ODOTVBI\_PDF\_Hatf.pltcf ODOTVBI\_Pen-ME.tbi M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE

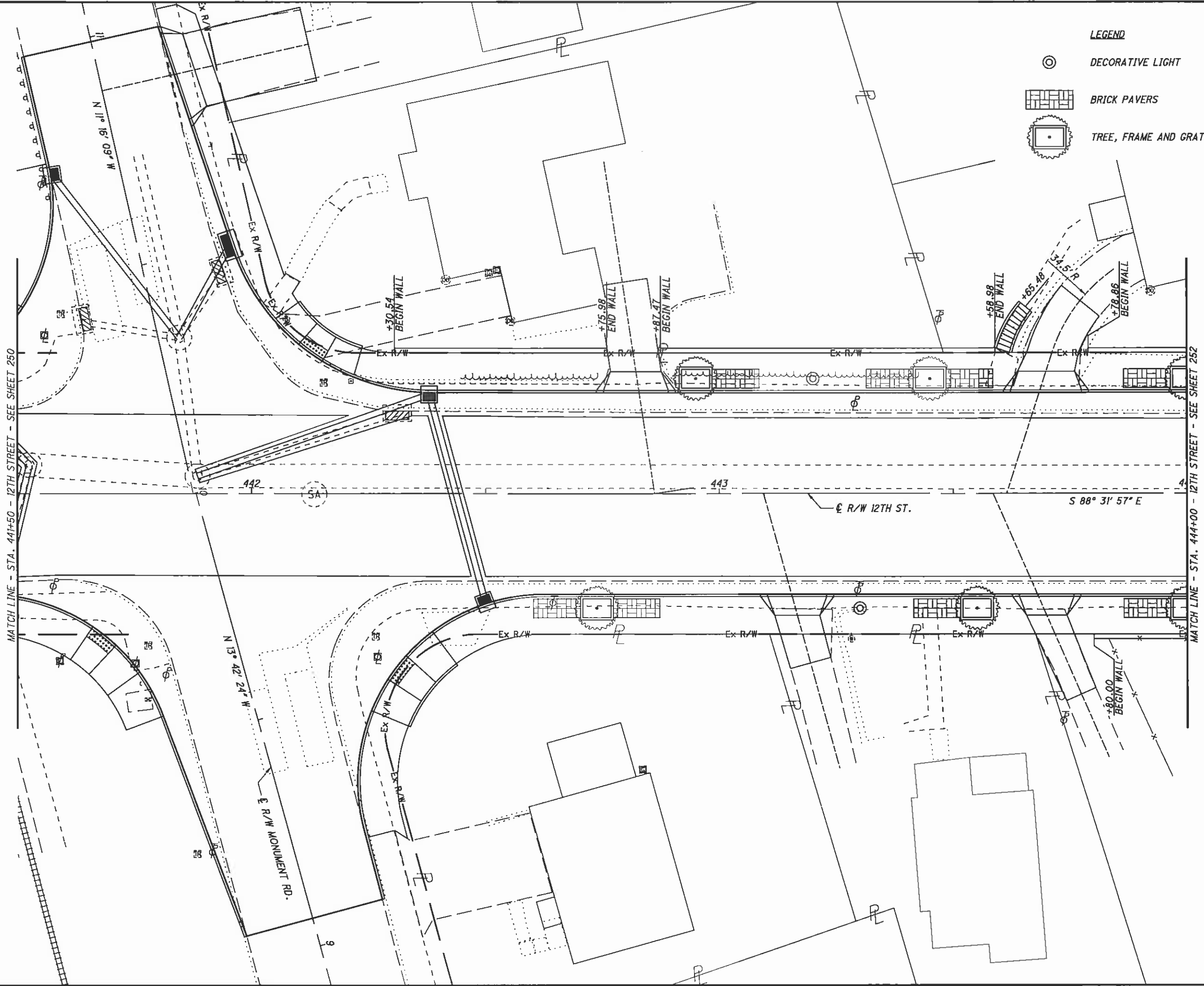


CALCULATED  
CHECKED

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 439+00 TO STA. 441+50

STA-12TH STREET



- LEGEND**
- ⊙ DECORATIVE LIGHT
  - ▒ BRICK PAVERS
  - ⊞ TREE, FRAME AND GRATE

CALCULATED  
CHECKED




HORIZONTAL SCALE IN FEET

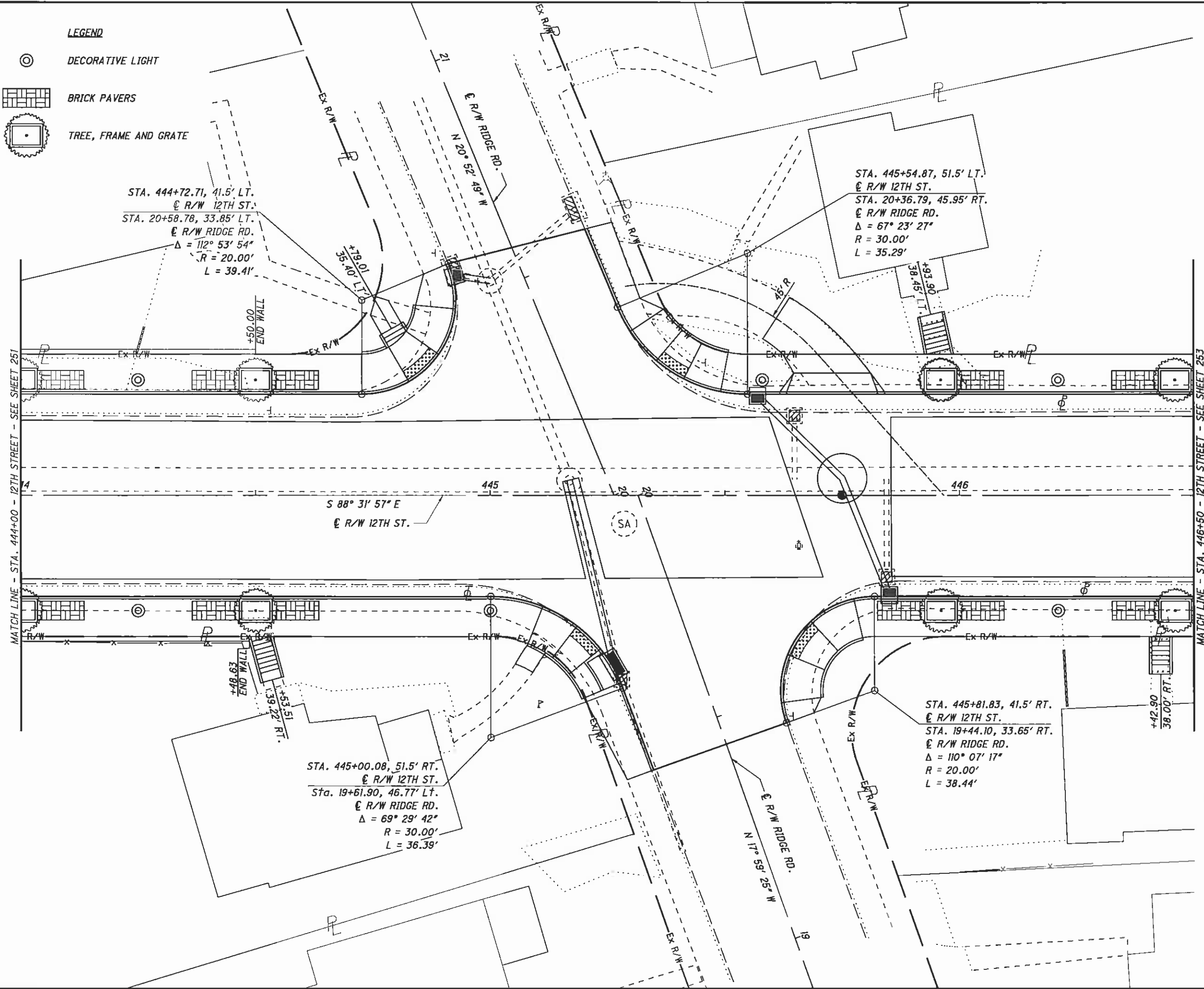
**MISCELLANEOUS DETAILS**  
**STA. 441+50 TO STA. 444+00**

**STA-12TH STREET**

J:\TSS\11-060 12th Street\STA\85299\roadway\sheets\85299CM003.dgn 10/6/2011 3:39:23 PM dcbarhar1\ ODOT\BI\_PDF\_Half.plt c:\g ODOT\BI\_PDF\_Half.plt M-E Companies, inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



CALCULATED

CHECKED

HORIZONTAL SCALE IN FEET




0 5 10 20

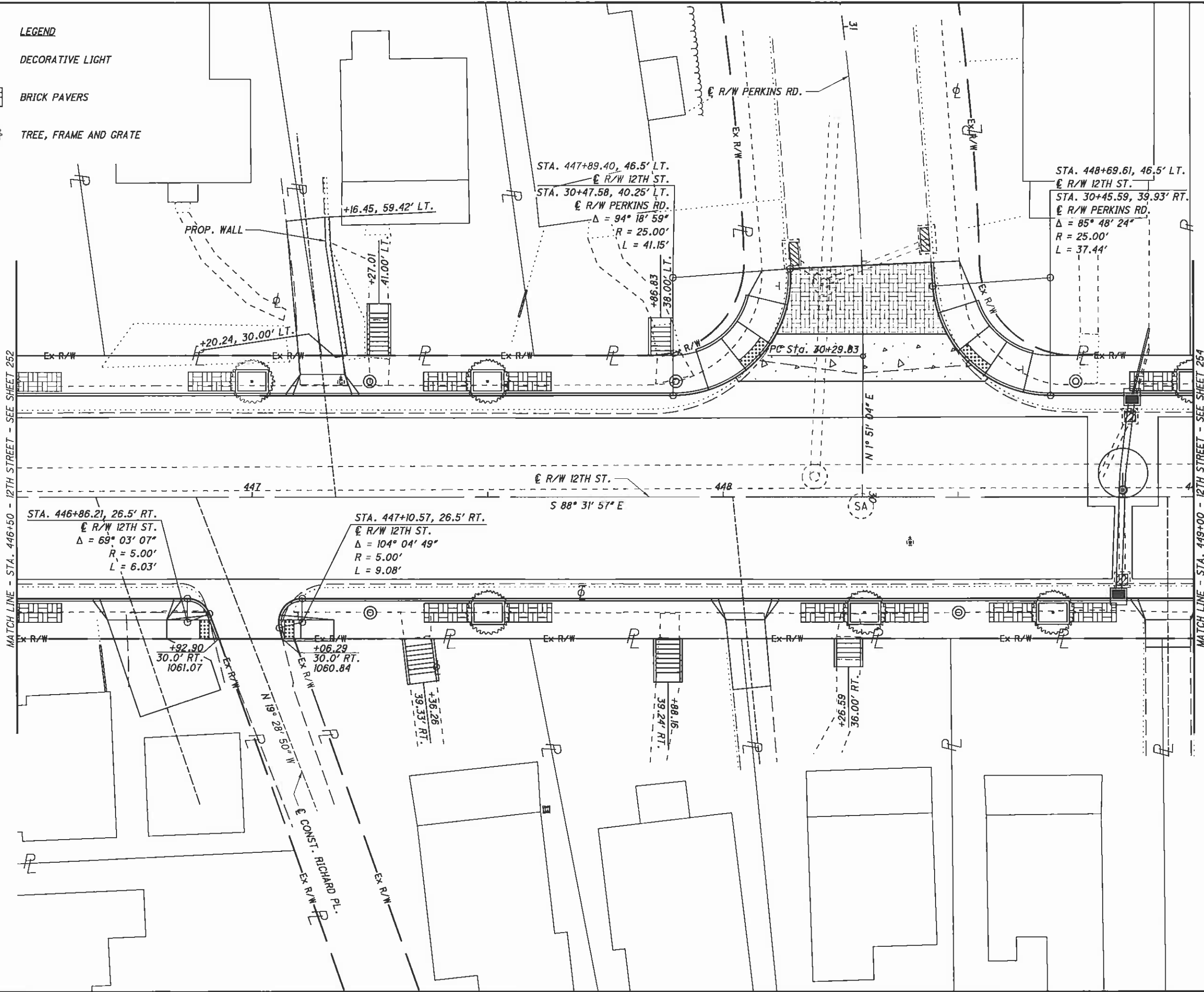
MISCELLANEOUS DETAILS

STA. 444+00 TO STA. 446+50

STA-12TH STREET

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GM004.dgn 10/6/2011 3:39:25 PM dcbarrior\ 000TVBI\_PDF\_Hair.plt\cig 000TVBI\_Pen-ME.tbl M-E Companies, Inc.

- LEGEND**
-  DECORATIVE LIGHT
  -  BRICK PAVERS
  -  TREE, FRAME AND GRATE



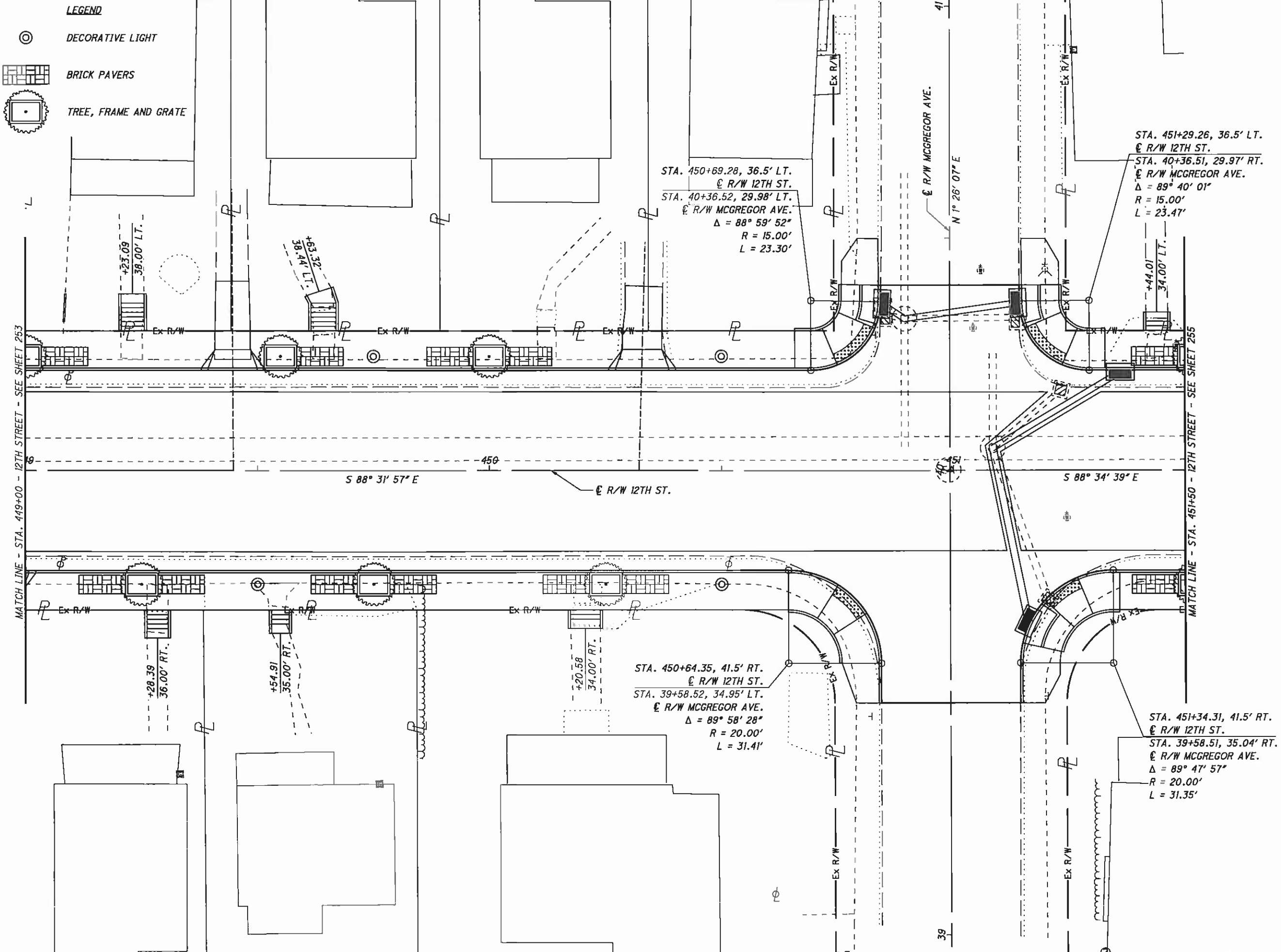
CALCULATED  
CHECKED

0 5 10 20  
HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 446+50 TO 449+00




STA-12TH STREET

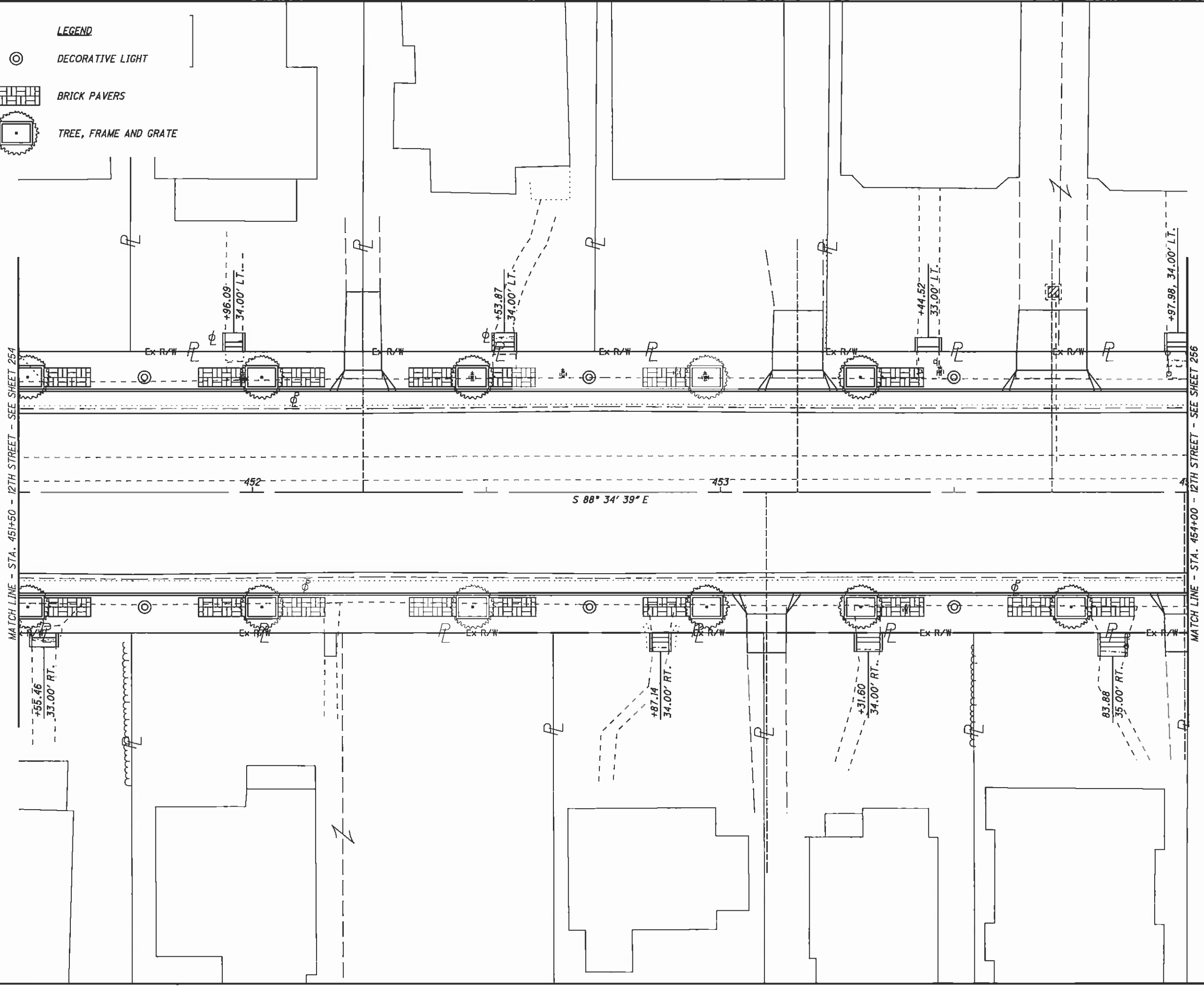
J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GM005.dgn 10/6/2011 3:39:26 PM dcbarhart" ODOT\B\PDF\_half\plc\g ODOT\B\Pen-ME.tbl M+E Companies, Inc.



MISCELLANEOUS DETAILS  
STA. 449+00 TO STA. 451+50

STA-12TH STREET

- LEGEND**
-  DECORATIVE LIGHT
  -  BRICK PAVERS
  -  TREE, FRAME AND GRATE



CALCULATED  
CHECKED



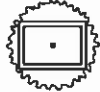
0 5 10 20  
HORIZONTAL  
SCALE IN FEET

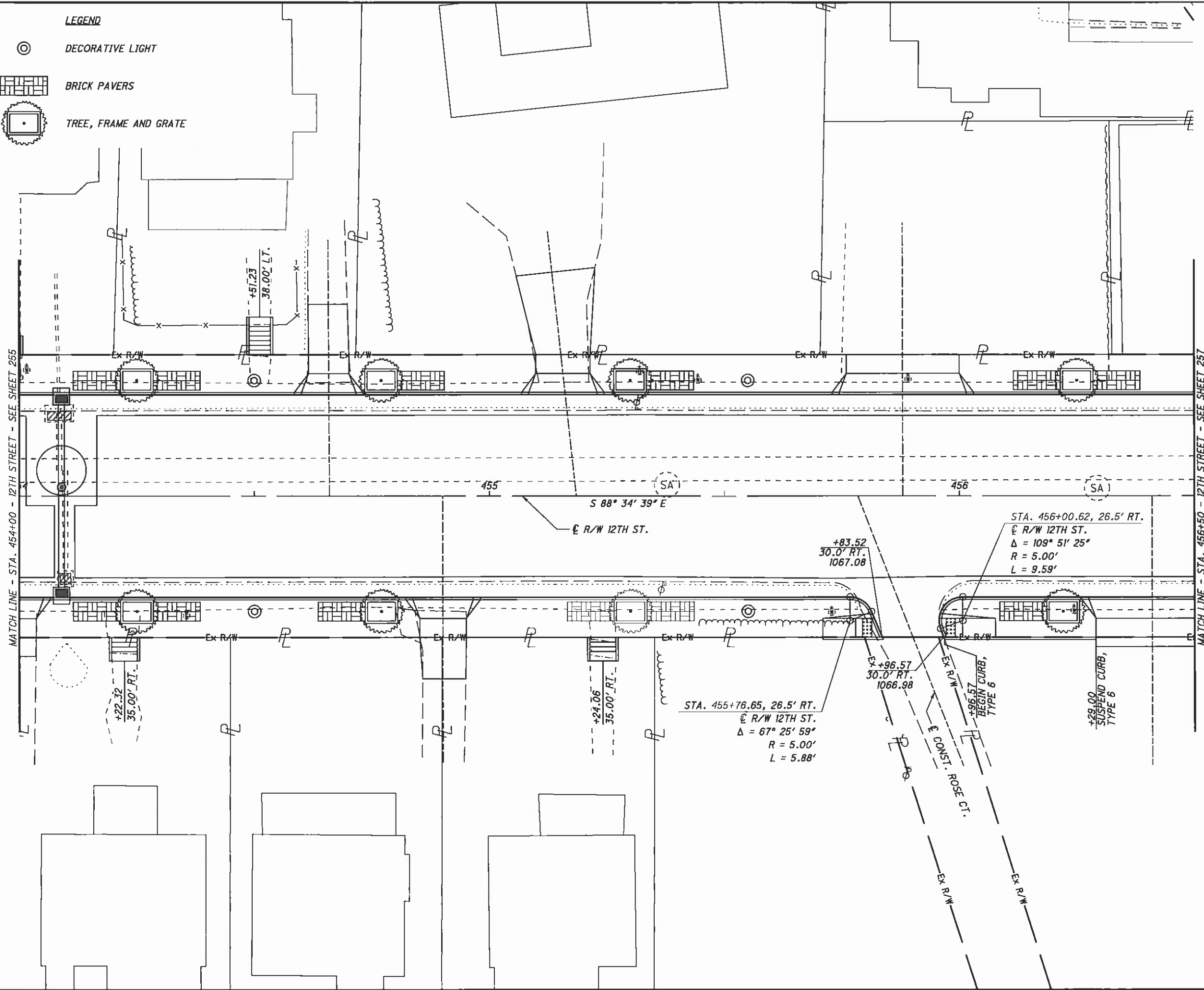
**MISCELLANEOUS DETAILS**  
**STA. 451+50 TO STA. 454+00**

**STA-12TH STREET**

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GM007.dgn 10/6/2011 3:39:29 PM dcbarhart" ODOT\Bj\_PDF\_Half.plt\cfig ODOT\Bj\_Pen-ME.tbl M-E Companies, inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



MATCH LINE - STA. 454+00 - 12TH STREET - SEE SHEET 255

MATCH LINE - STA. 456+50 - 12TH STREET - SEE SHEET 257

CALCULATED

CHECKED



0 5 10 20

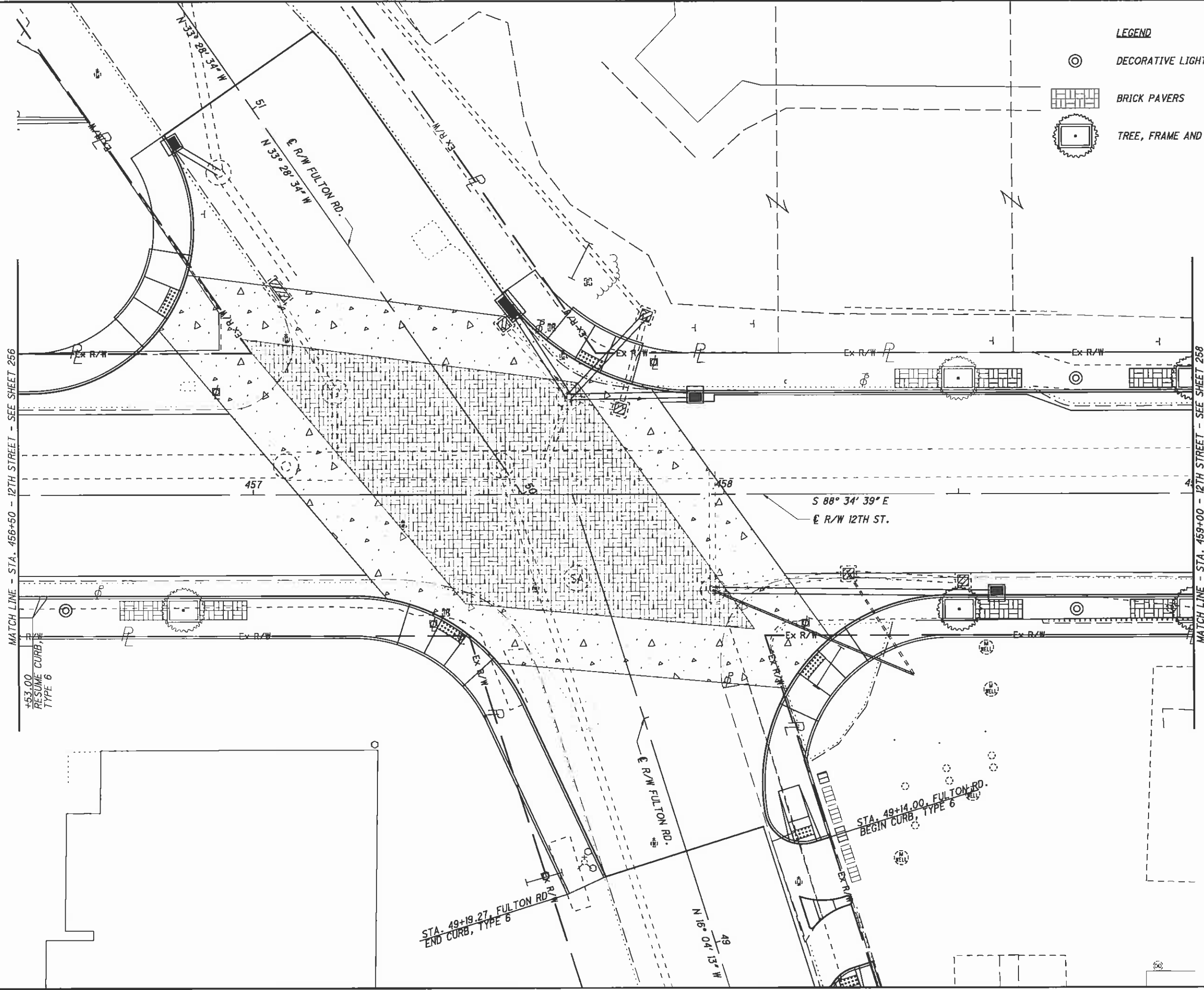
HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS




STA. 454+00 TO STA. 456+50

STA-12TH STREET





LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE

CALCULATED  
CHECKED




0 5 10 20  
HORIZONTAL SCALE IN FEET

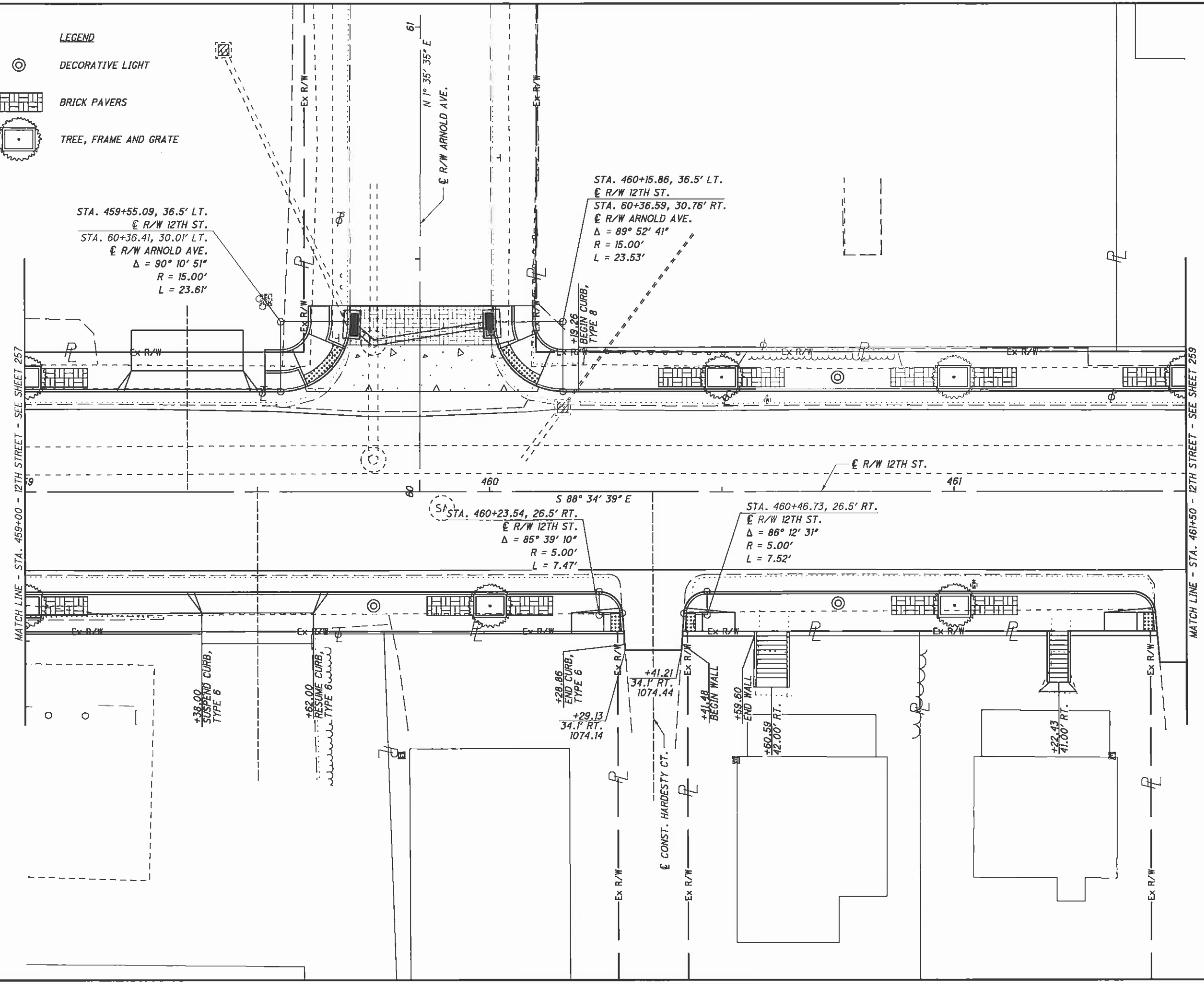


MISCELLANEOUS DETAILS  
STA. 456+50 TO STA. 459+00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GM009.dgn 10/6/2011 3:39:32 PM acbarhart\ ODOT\B\PDF\_Half\_pitcfig ODOT\B\Pen-ME.tbl M-E Companies, Inc.

- LEGEND**
-  DECORATIVE LIGHT
  -  BRICK PAVERS
  -  TREE, FRAME AND GRATE






CALCULATED 0  
CHECKED 20

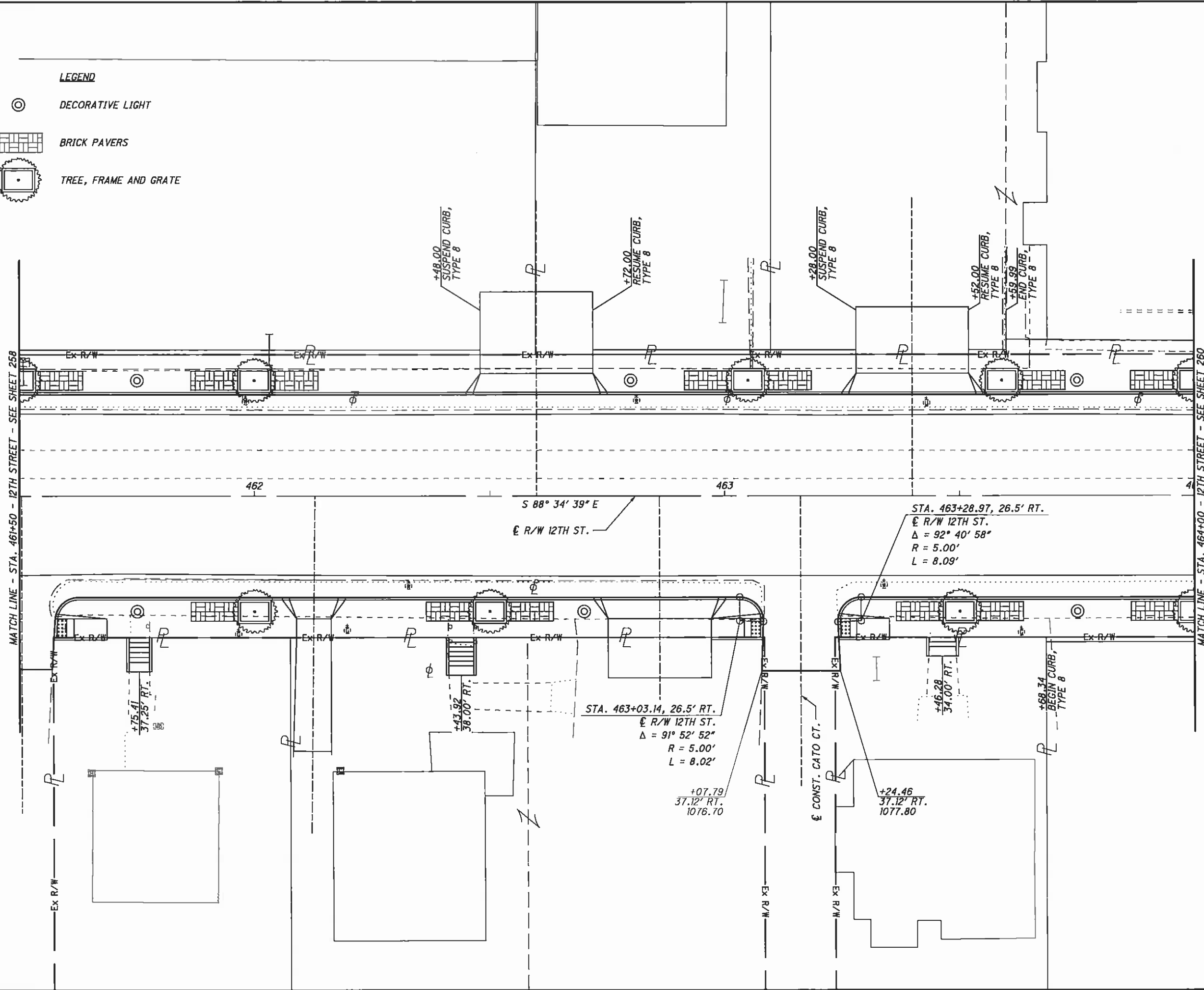
HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 459+00 TO STA. 461+50

STA-12TH STREET

258  
317

- LEGEND**
-  DECORATIVE LIGHT
  -  BRICK PAVERS
  -  TREE, FRAME AND GRATE



CALCULATED  
CHECKED




0 5 10 20  
HORIZONTAL  
SCALE IN FEET

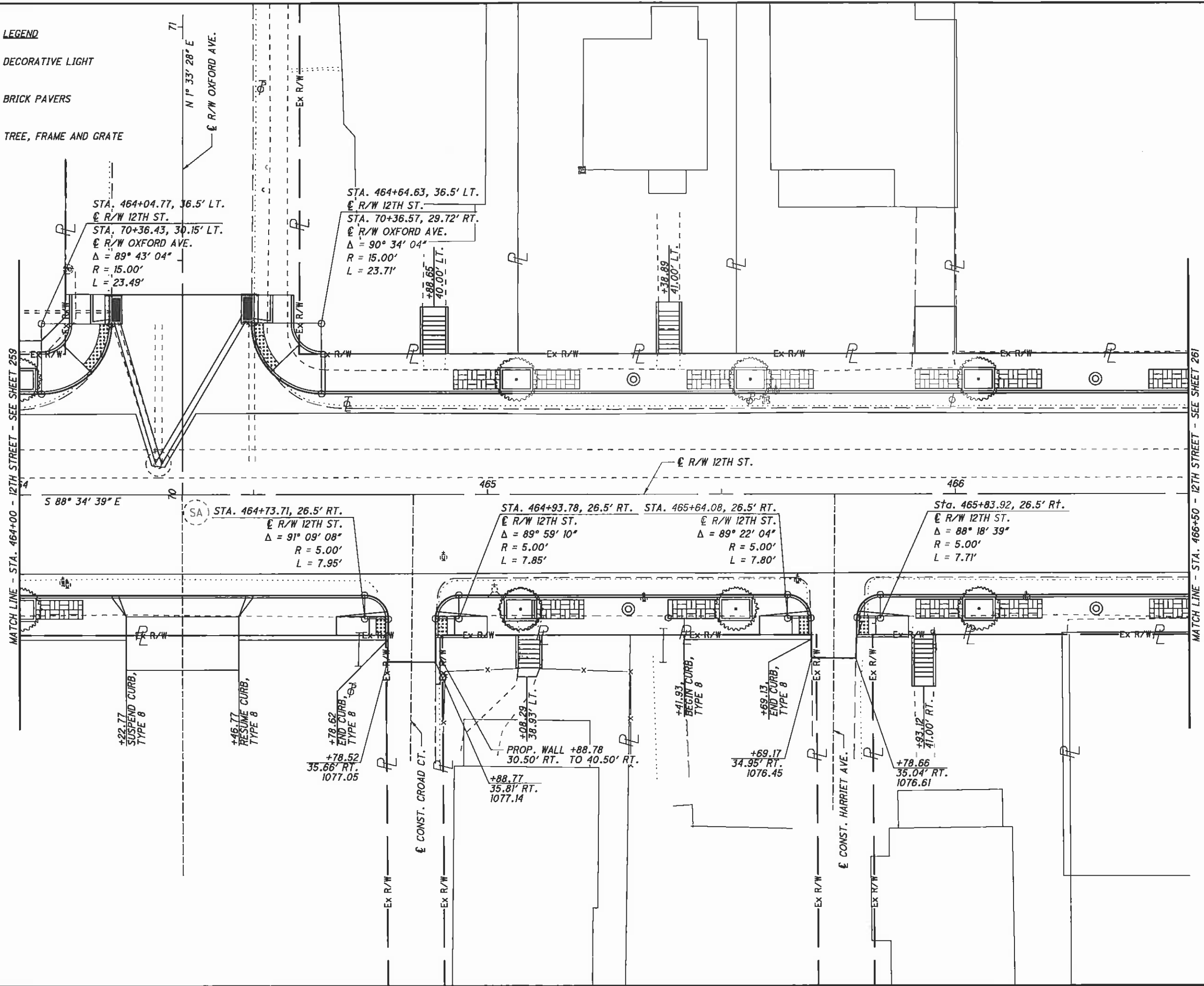
MISCELLANEOUS DETAILS  
STA. 461+50 TO STA. 464+00

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\852999\roadway\sheets\852999GM01.dgn 10/6/2011 3:39:34 PM dcbarhart\ ODOT\B\Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



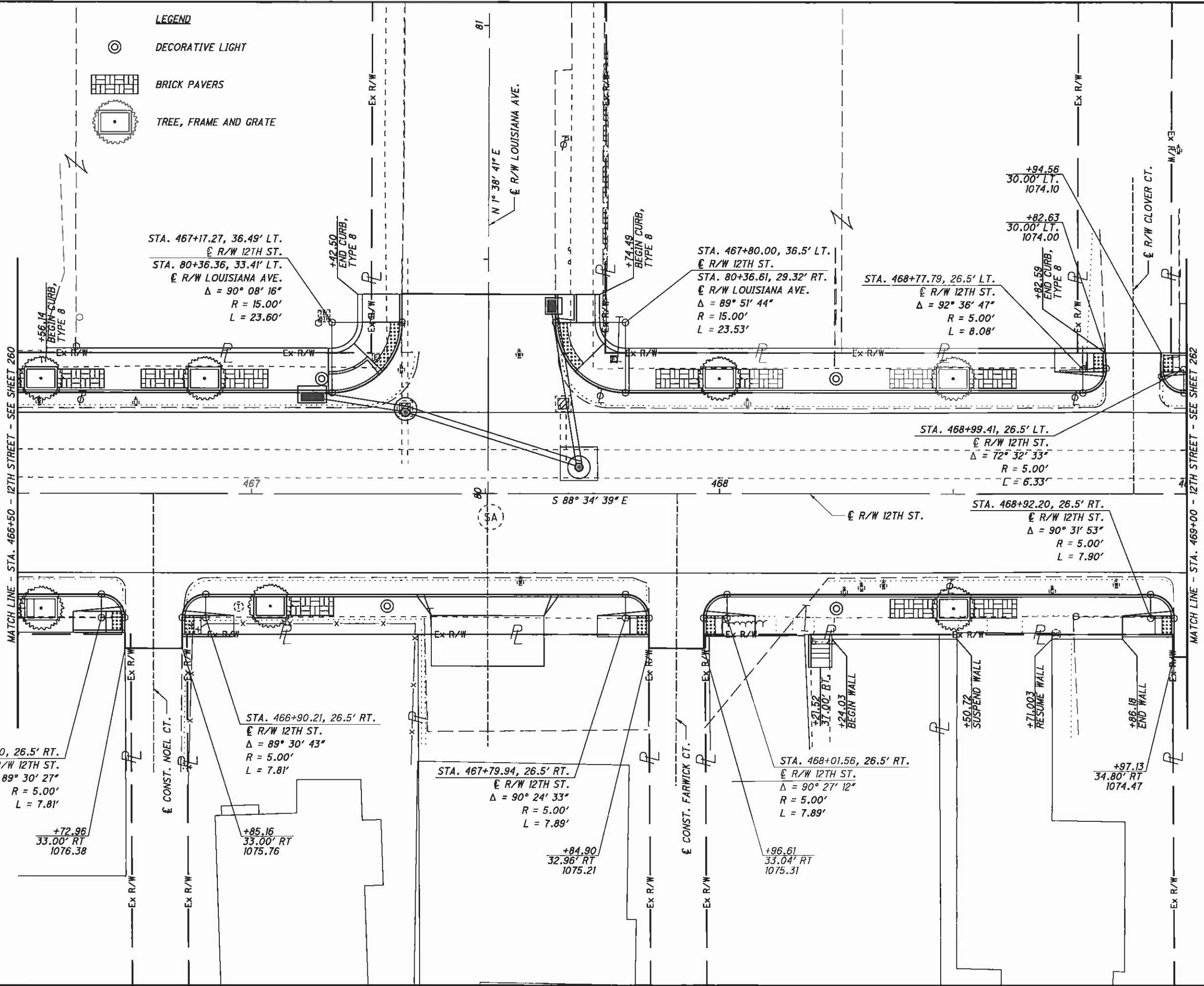
CALCULATED  
CHECKED



HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 464+00 TO STA. 466+50

STA-12TH STREET



- LEGEND**
- ⊙ DECORATIVE LIGHT
  - ▢ BRICK PAVERS
  - ⊕ TREE, FRAME AND GRATE

MATCH LINE - STA. 466+50 - 12TH STREET - SEE SHEET 260

MATCH LINE - STA. 469+00 - 12TH STREET - SEE SHEET 262

STA. 466+67.90, 26.5' RT.  
 Ⓢ R/W 12TH ST.  
 $\Delta = 89^\circ 30' 27''$   
 $R = 5.00'$   
 $L = 7.81'$

+72.96  
 33.00' RT  
 1076.38

STA. 466+90.21, 26.5' RT.  
 Ⓢ R/W 12TH ST.  
 $\Delta = 89^\circ 30' 43''$   
 $R = 5.00'$   
 $L = 7.81'$

+85.16  
 33.00' RT  
 1075.76

STA. 467+79.94, 26.5' RT.  
 Ⓢ R/W 12TH ST.  
 $\Delta = 90^\circ 24' 33''$   
 $R = 5.00'$   
 $L = 7.89'$

+84.90  
 32.96' RT  
 1075.21

STA. 468+01.56, 26.5' RT.  
 Ⓢ R/W 12TH ST.  
 $\Delta = 90^\circ 27' 12''$   
 $R = 5.00'$   
 $L = 7.89'$

+96.61  
 33.04' RT  
 1075.31

STA. 468+92.20, 26.5' RT.  
 Ⓢ R/W 12TH ST.  
 $\Delta = 90^\circ 31' 53''$   
 $R = 5.00'$   
 $L = 7.90'$

+97.13  
 34.80' RT  
 1074.47

STA. 467+17.27, 36.49' LT.  
 Ⓢ R/W 12TH ST.  
 STA. 80+36.36, 33.41' LT.  
 Ⓢ R/W LOUISIANA AVE.  
 $\Delta = 90^\circ 08' 16''$   
 $R = 15.00'$   
 $L = 23.60'$

STA. 467+80.00, 36.5' LT.  
 Ⓢ R/W 12TH ST.  
 STA. 80+36.61, 29.32' RT.  
 Ⓢ R/W LOUISIANA AVE.  
 $\Delta = 89^\circ 51' 44''$   
 $R = 15.00'$   
 $L = 23.53'$

STA. 468+77.79, 26.5' LT.  
 Ⓢ R/W 12TH ST.  
 $\Delta = 92^\circ 36' 47''$   
 $R = 5.00'$   
 $L = 8.08'$

+94.56  
 30.00' LT.  
 1074.10

+82.63  
 30.00' LT.  
 1074.00




+82.59  
 END CURB,  
 TYPE 8

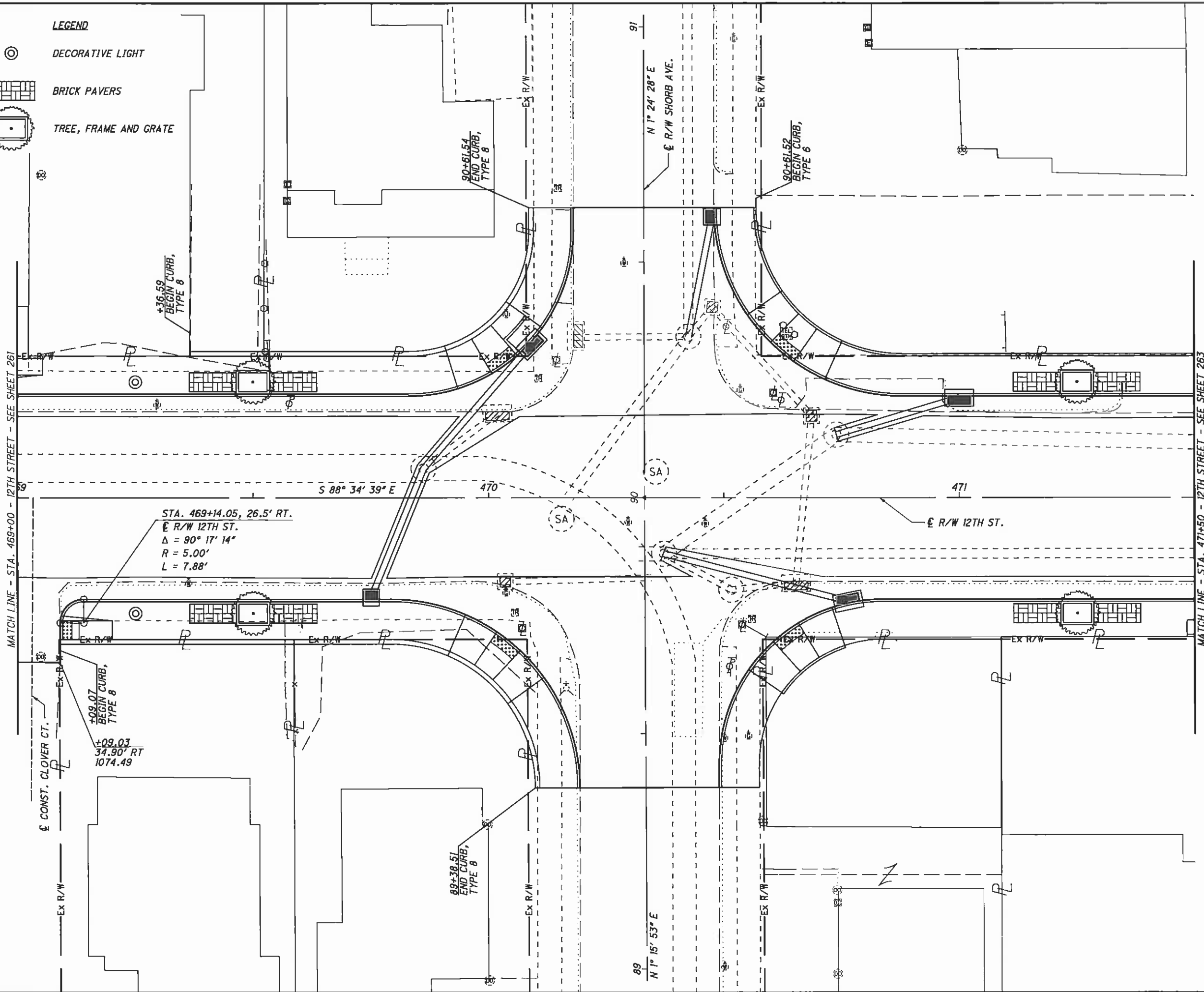
CALCULATED  
 CHECKED

0 10 20  
 HORIZONTAL  
 SCALE IN FEET

MISCELLANEOUS DETAILS  
 STA. 466+50 TO STA. 469+00

STA-12TH STREET

- LEGEND**
-  DECORATIVE LIGHT
  -  BRICK PAVERS
  -  TREE, FRAME AND GRATE





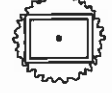
CALCULATED  
CHECKED

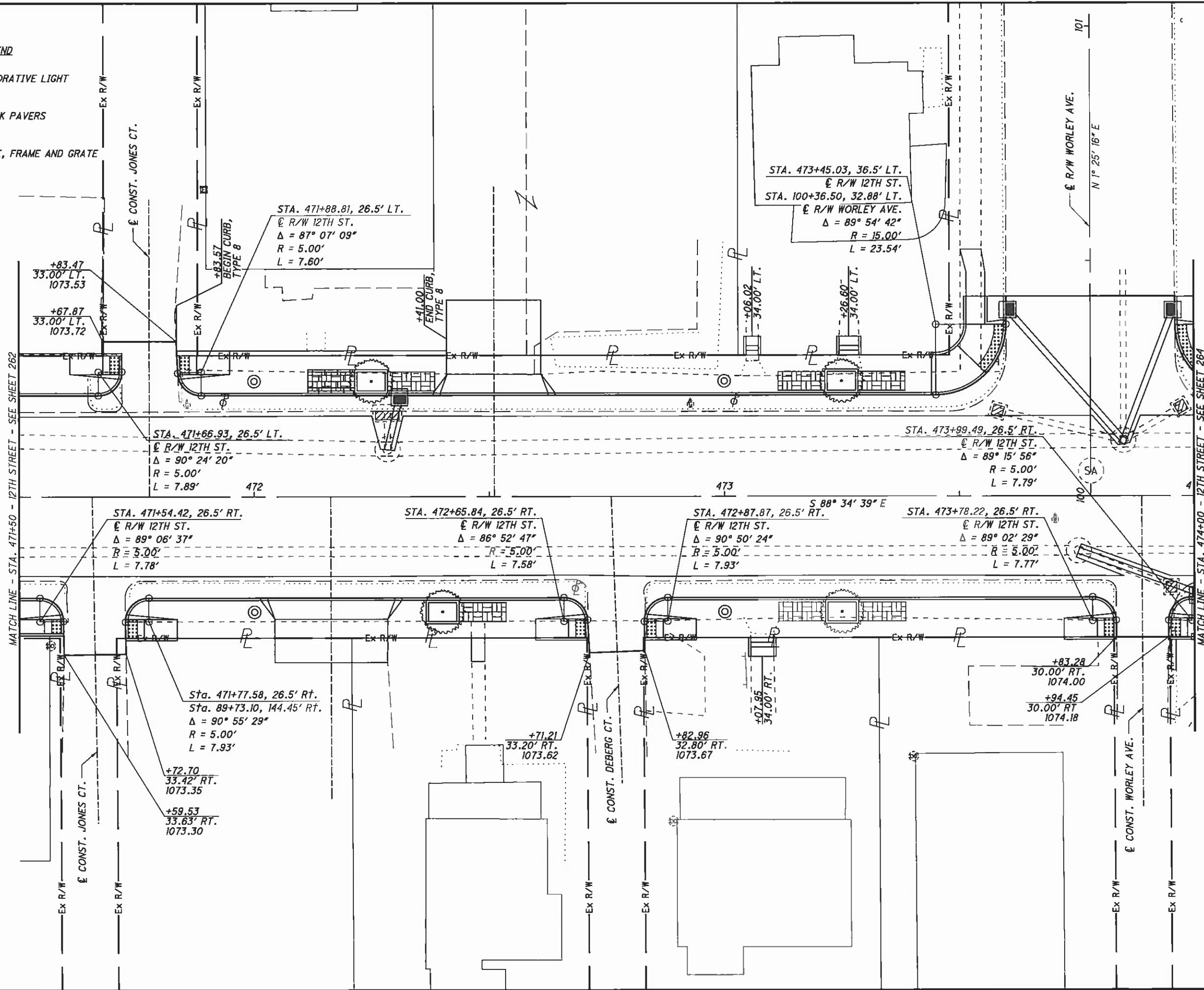
0 5 10 20  
HORIZONTAL  
SCALE IN FEET

**MISCELLANEOUS DETAILS**  
**STA. 469+00 TO STA. 471+50**

**STA-12TH STREET**

**LEGEND**

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



CALCULATED  
CHECKED






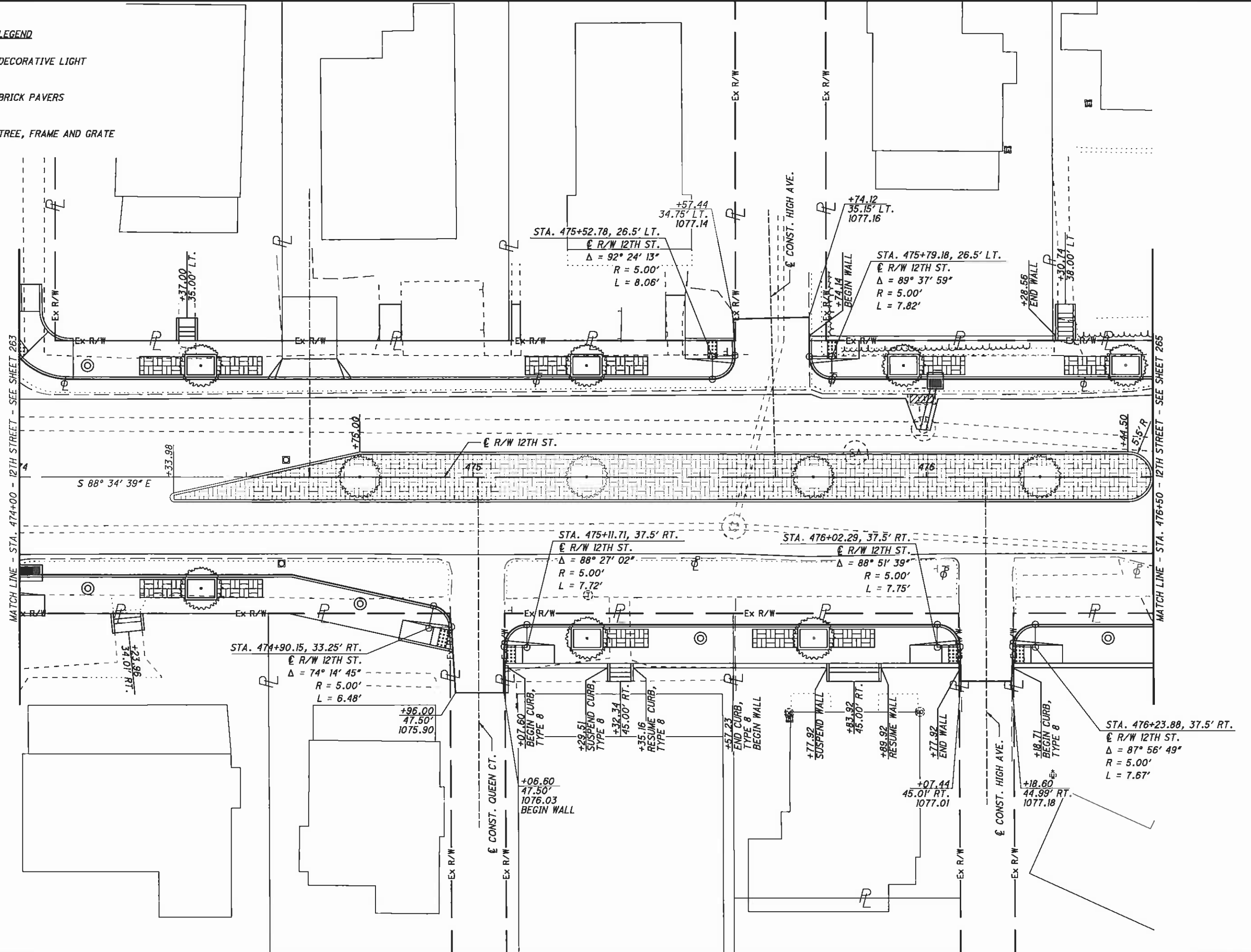

HORIZONTAL SCALE IN FEET

**MISCELLANEOUS DETAILS**  
**STA. 471+50 TO STA. 474+00**

**STA-12TH STREET**

**LEGEND**

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



CALCULATED  
CHECKED



HORIZONTAL SCALE IN FEET




MISCELLANEOUS DETAILS  
STA. 474+00 TO STA. 476+50

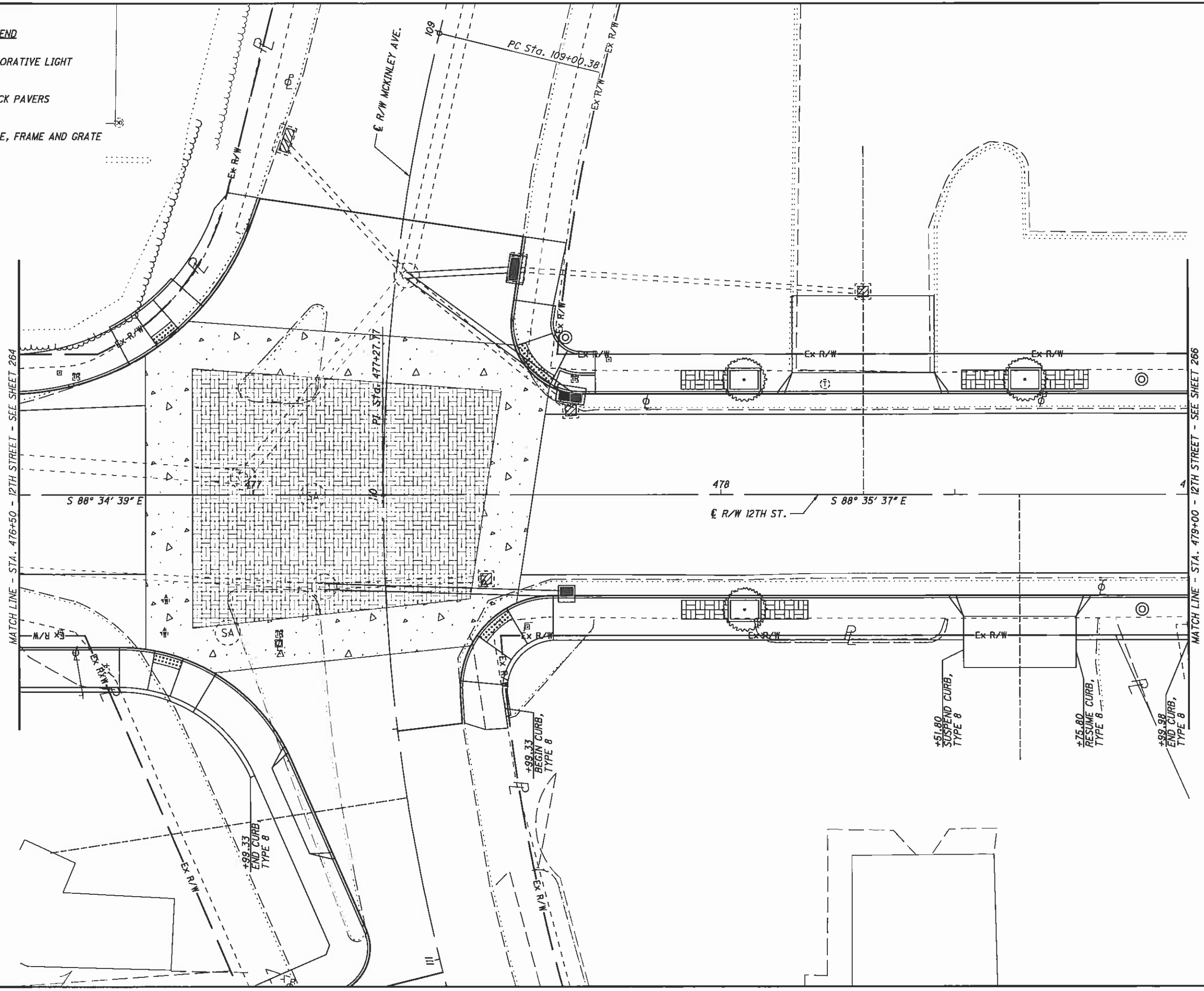
STA-12TH STREET



J:\TS\11-060 12th Street\STA\B5299\roadway\sheets\B5299GM016.dgn 10/6/2011 3:39:41 PM debarhori ODOT\B5\_PDF\_Half\_plc1g ODOT\B5\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



CALCULATED

CHECKED

0 10 20

HORIZONTAL SCALE IN FEET



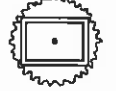
MISCELLANEOUS DETAILS

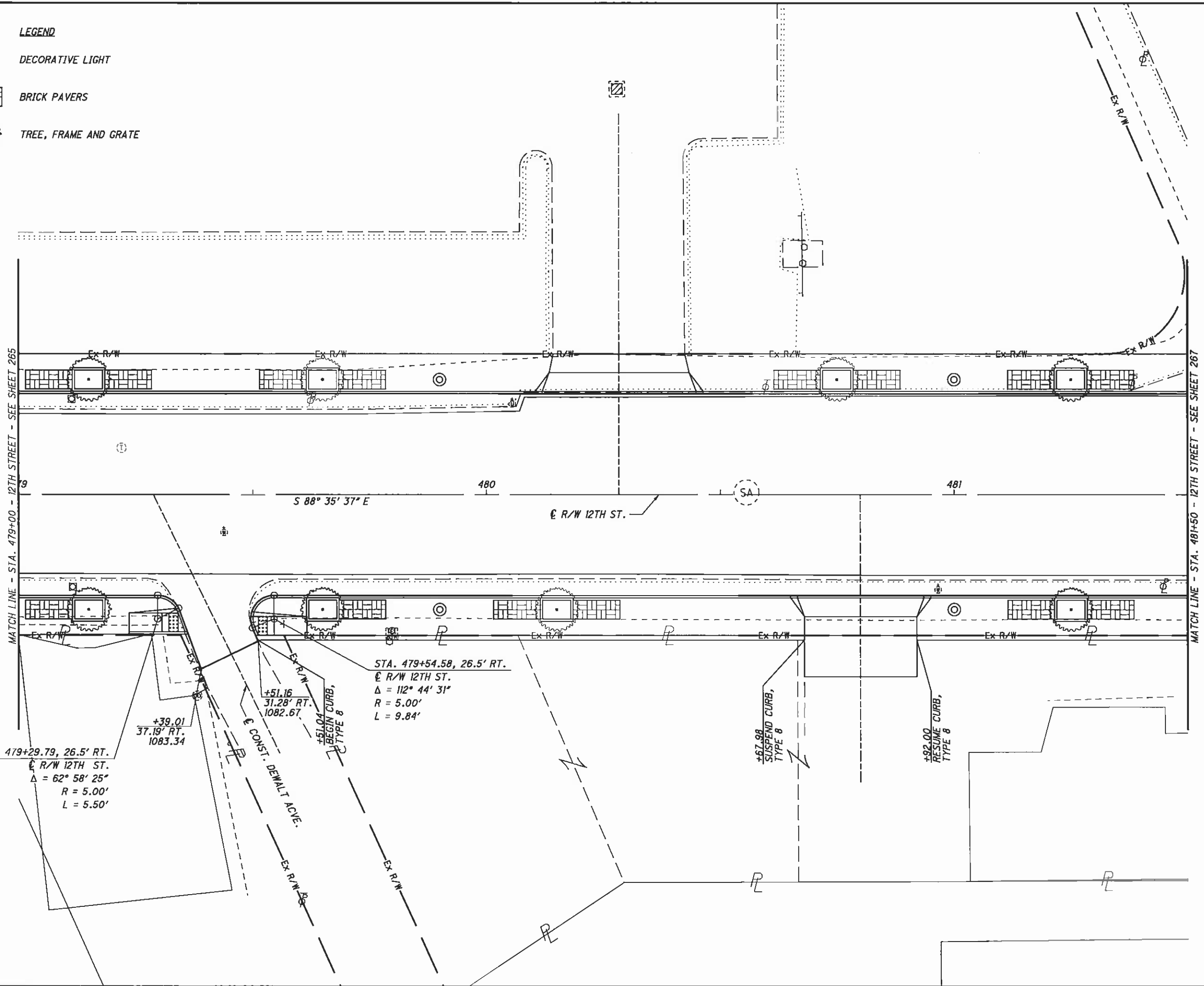
STA. 476+50 TO STA. 479+00

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheets\85299GM017.dgn 10/6/2011 3:39:42 PM dcbarhart\ ODOT\Bi\_PDF\_Half.pltcfq ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



CALCULATED 0  
CHECKED






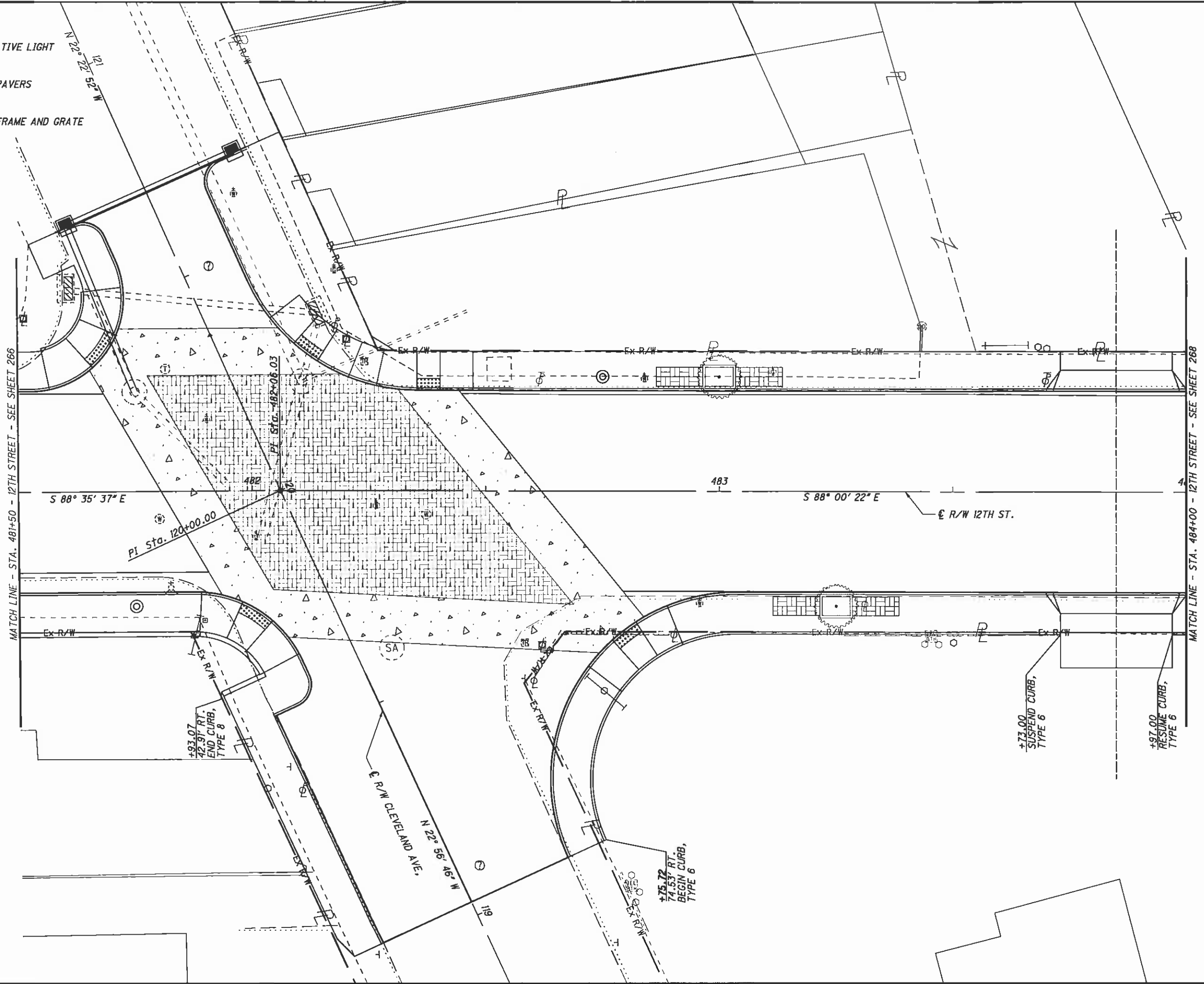
HORIZONTAL SCALE IN FEET  
0 5 10 20

MISCELLANEOUS DETAILS  
STA. 479+00 TO STA. 481+50

STA-12TH STREET

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



CALCULATED  
CHECKED





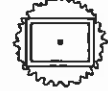
0 5 10 20  
HORIZONTAL SCALE IN FEET

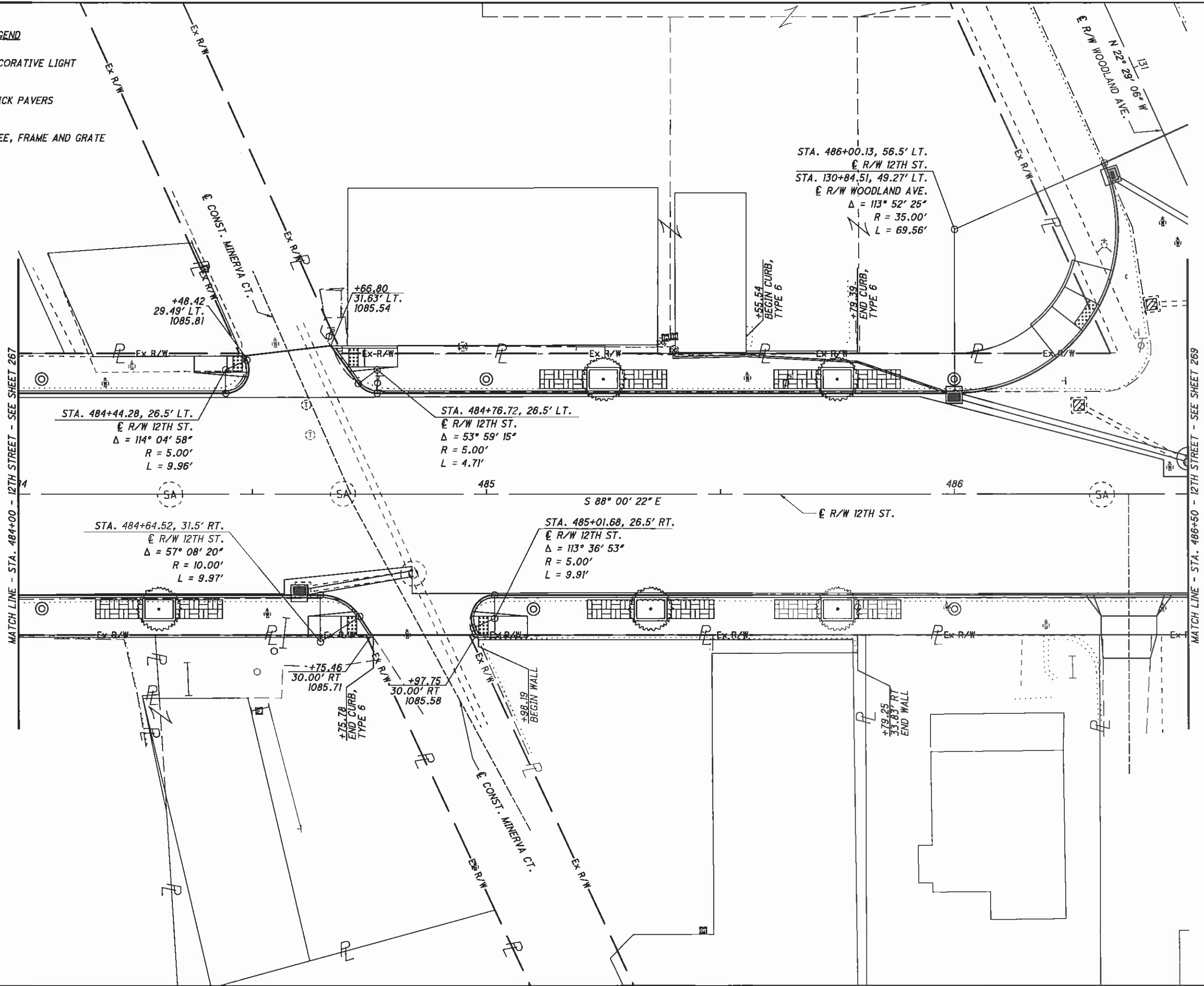
MISCELLANEOUS DETAILS  
STA. 481+50 TO STA. 484+00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GM019.dgn 10/6/2011 3:39:44 PM dcbarthar\ ODOT\B1\_PDF\_Half.pltcfgr ODOT\B1\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE

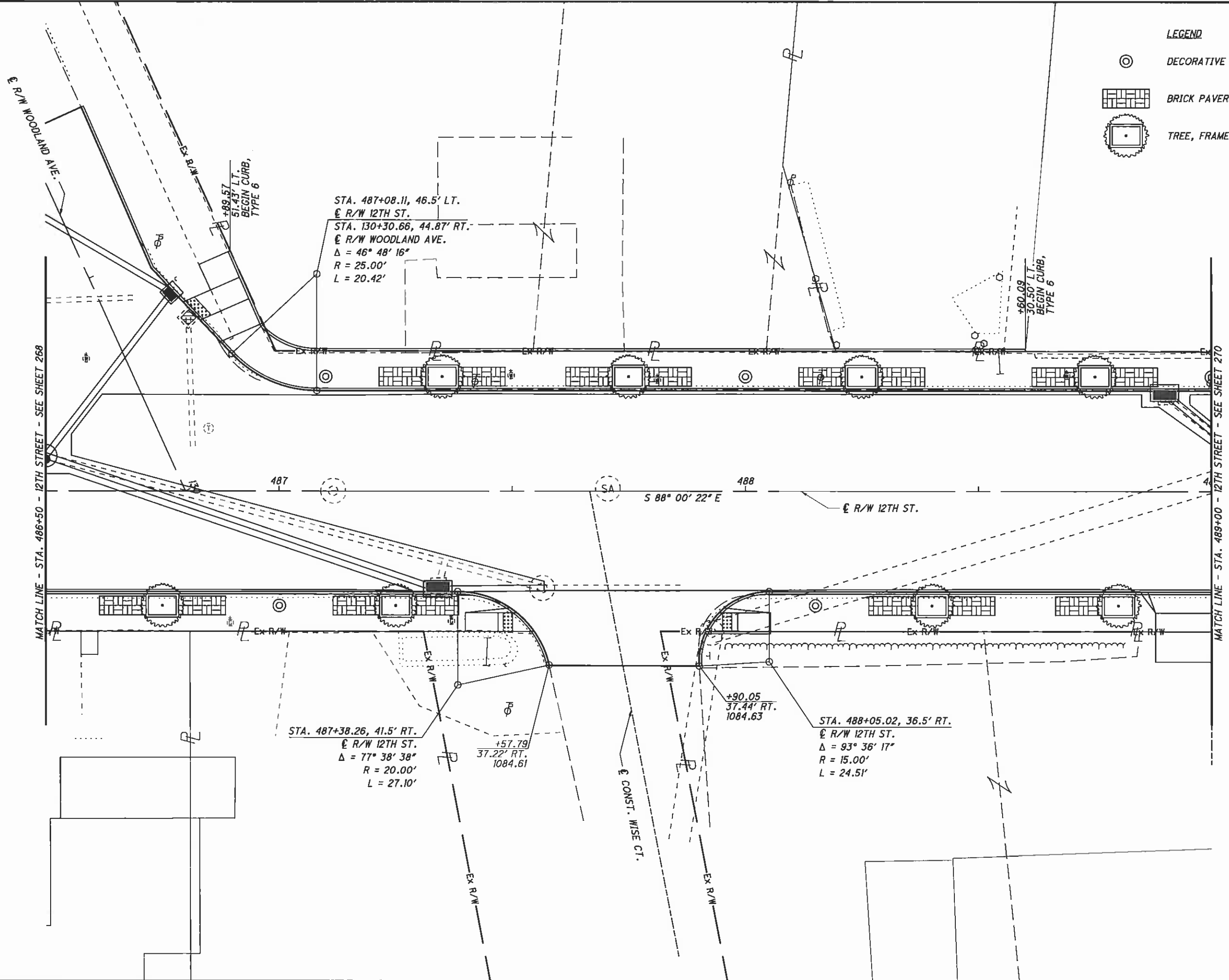


CALCULATED  
CHECKED




0 10 20  
HORIZONTAL  
SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 484+00 TO STA. 486+50

STA-12TH STREET  
268  
317



**LEGEND**

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE

CALCULATED  
CHECKED




0 5 10 20  
HORIZONTAL  
SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 486+50 TO STA. 489+00

STA-12TH STREET

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GM021.dgn 10/6/2011 3:39:47 PM dcbarhart ODOT\BI\_PDF\_Hair.plt:fg ODOT\BI\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE

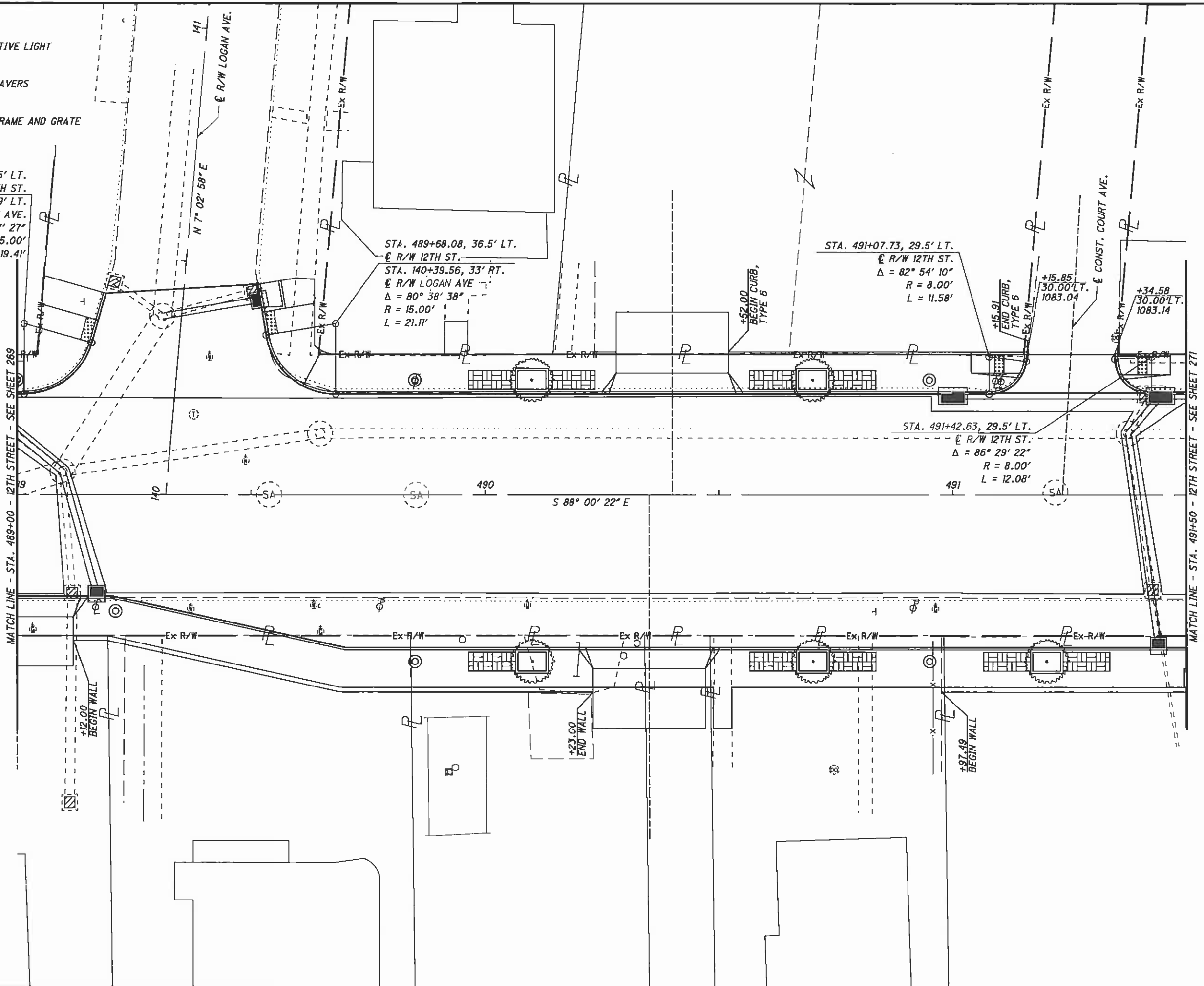
STA. 489+01.53, 36.5' LT.  
 @ R/W 12TH ST.  
 STA. 140+33.70, 33.29' LT.  
 @ R/W LOGAN AVE.  
 $\Delta = 74^\circ 07' 27''$   
 $R = 15.00'$   
 $L = 19.41'$

STA. 489+68.08, 36.5' LT.  
 @ R/W 12TH ST.  
 STA. 140+39.56, 33' RT.  
 @ R/W LOGAN AVE.  
 $\Delta = 80^\circ 38' 38''$   
 $R = 15.00'$   
 $L = 21.11'$

STA. 491+07.73, 29.5' LT.  
 @ R/W 12TH ST.  
 $\Delta = 82^\circ 54' 10''$   
 $R = 8.00'$   
 $L = 11.58'$

STA. 491+42.63, 29.5' LT.  
 @ R/W 12TH ST.  
 $\Delta = 86^\circ 29' 22''$   
 $R = 8.00'$   
 $L = 12.08'$

+34.58  
 30.00' LT.  
 1083.14



MATCH LINE - STA. 489+00 - 12TH STREET - SEE SHEET 269

MATCH LINE - STA. 491+50 - 12TH STREET - SEE SHEET 271

CALCULATED  
 CHECKED






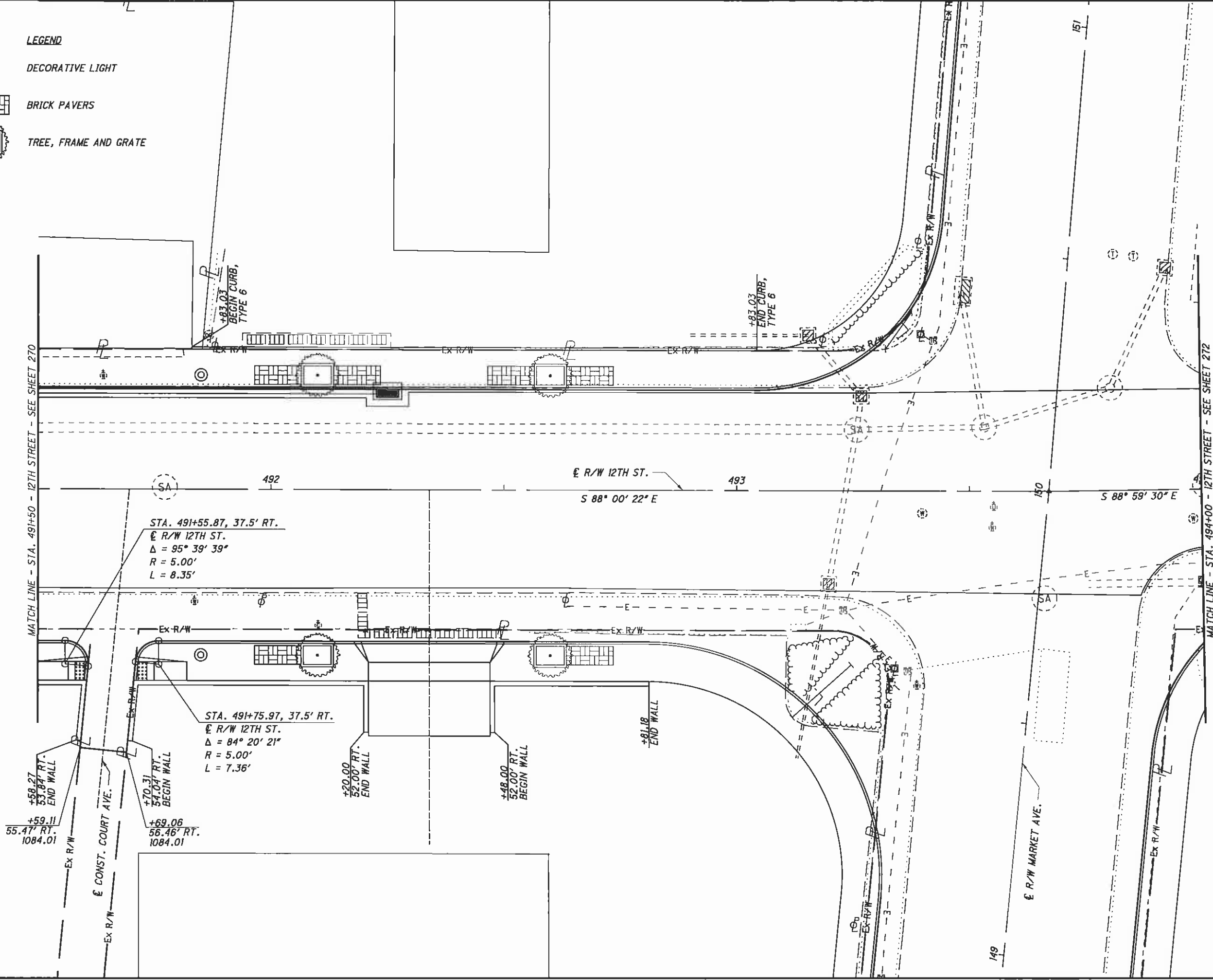

HORIZONTAL  
 SCALE IN FEET

MISCELLANEOUS DETAILS  
 STA. 489+00 TO STA. 491+50

STA-12TH STREET

**LEGEND**

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



STA. 491+55.87, 37.5' RT.  
 E R/W 12TH ST.  
 $\Delta = 95^\circ 39' 39''$   
 $R = 5.00'$   
 $L = 8.35'$

STA. 491+75.97, 37.5' RT.  
 E R/W 12TH ST.  
 $\Delta = 84^\circ 20' 21''$   
 $R = 5.00'$   
 $L = 7.36'$

+58.27  
 53.84' RT.  
 END WALL

+59.11  
 55.47' RT.  
 1084.01

+70.31  
 54.04' RT.  
 BEGIN WALL

+69.06  
 56.46' RT.  
 1084.01

+20.00  
 52.00' RT.  
 END WALL

+48.00  
 52.00' RT.  
 BEGIN WALL

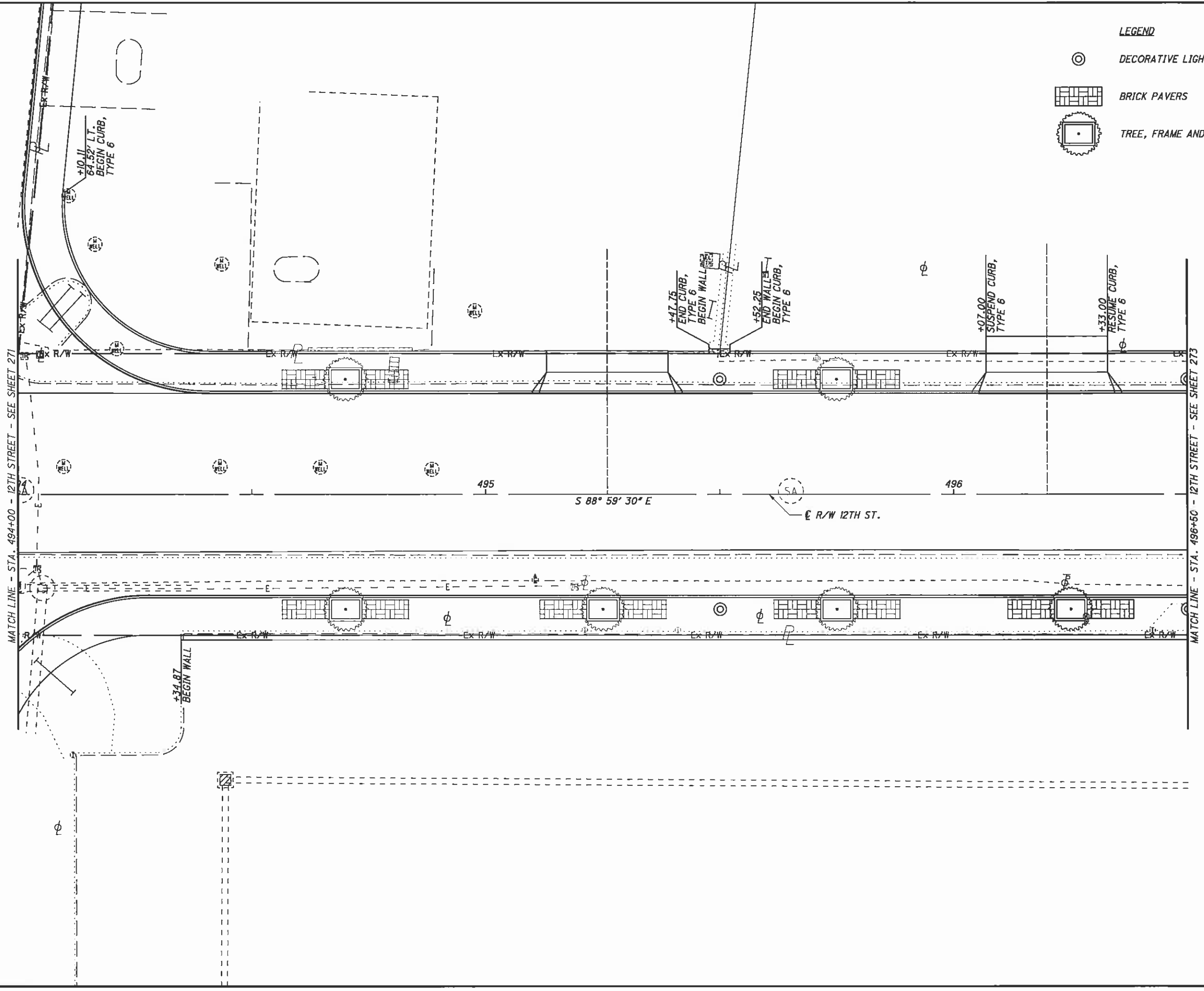
+81.18  
 END WALL

CALCULATED 0  
 CHECKED



0 5 10 20  
 HORIZONTAL  
 SCALE IN FEET

**MISCELLANEOUS DETAILS**  
**STA. 491+50 TO STA. 494+00**

**STA-12TH STREET**



**LEGEND**

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



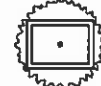
CALCULATED  
CHECKED

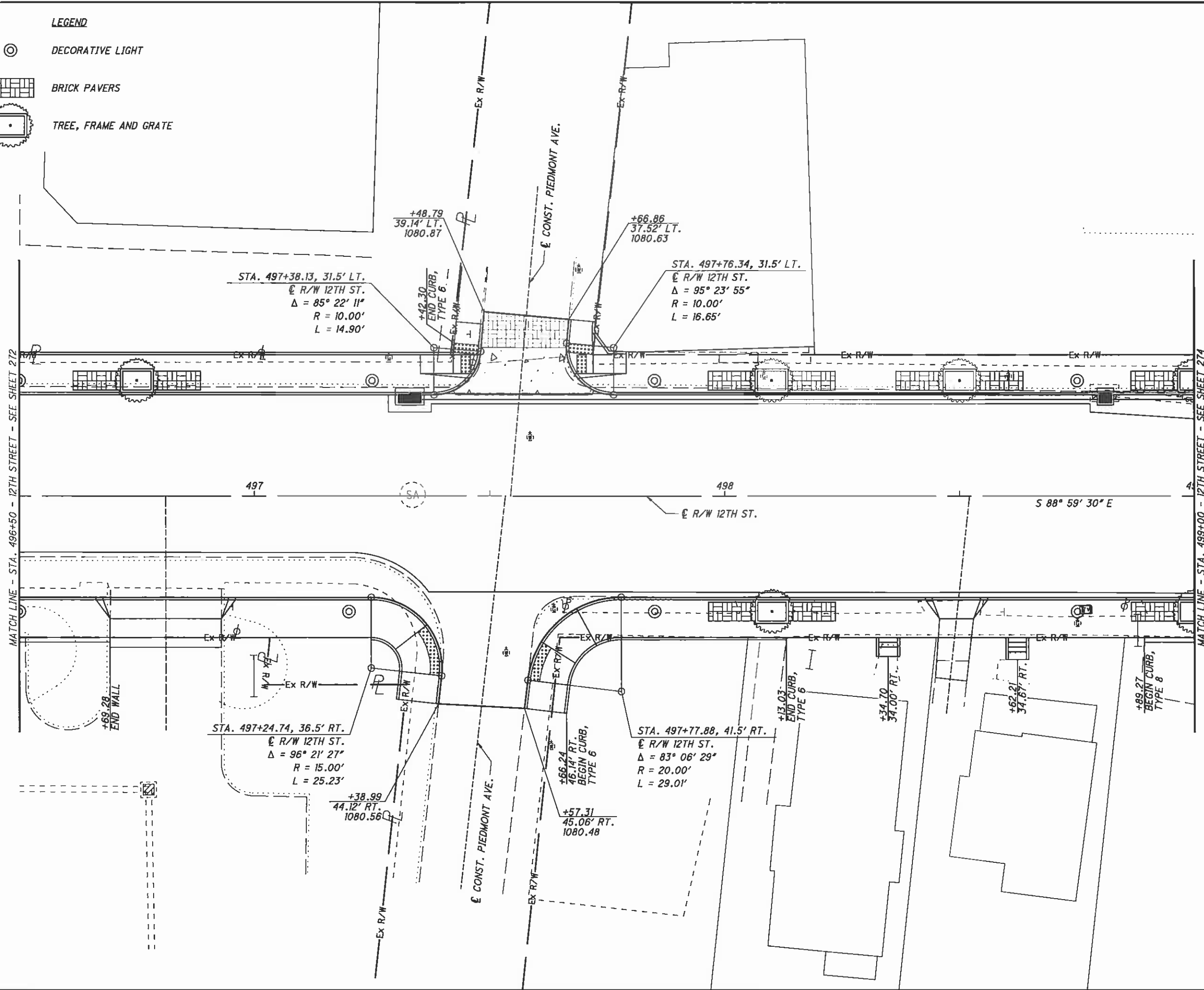
0 5 10 20  
HORIZONTAL  
SCALE IN FEET

**MISCELLANEOUS DETAILS**  
**STA. 494+00 TO STA. 496+50**



LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE






CALCULATED  
CHECKED

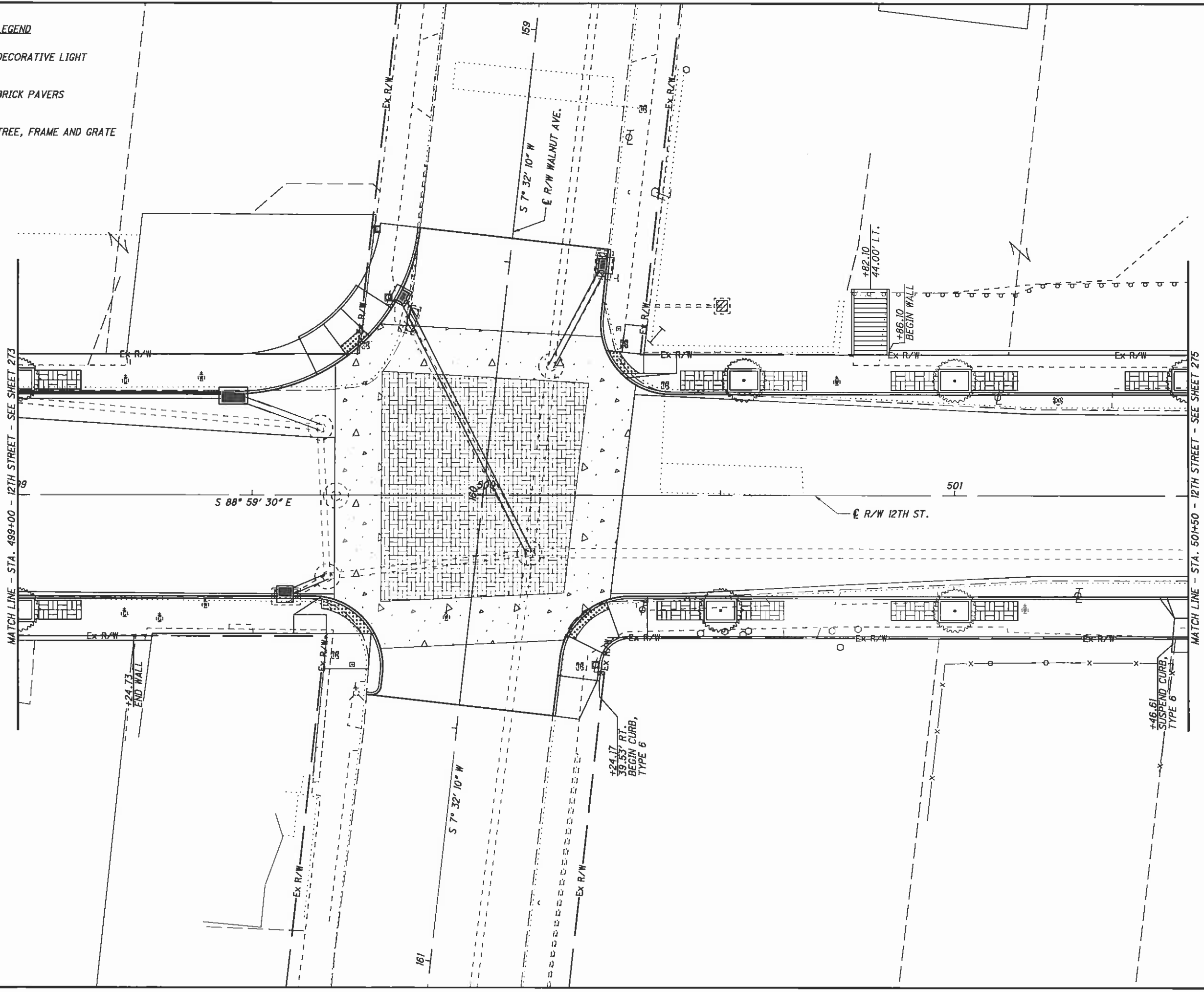
0 5 10 20  
HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 496+50 TO STA. 499+00

J:\N\11-060 12th Street\STA\85299\roadway\sheets\85299GM025.dgn 10/6/2011 3:39:51 PM dcbarhart ODOT\Bi\_PDF\_Half.plt\cfig ODOT\Bi\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE






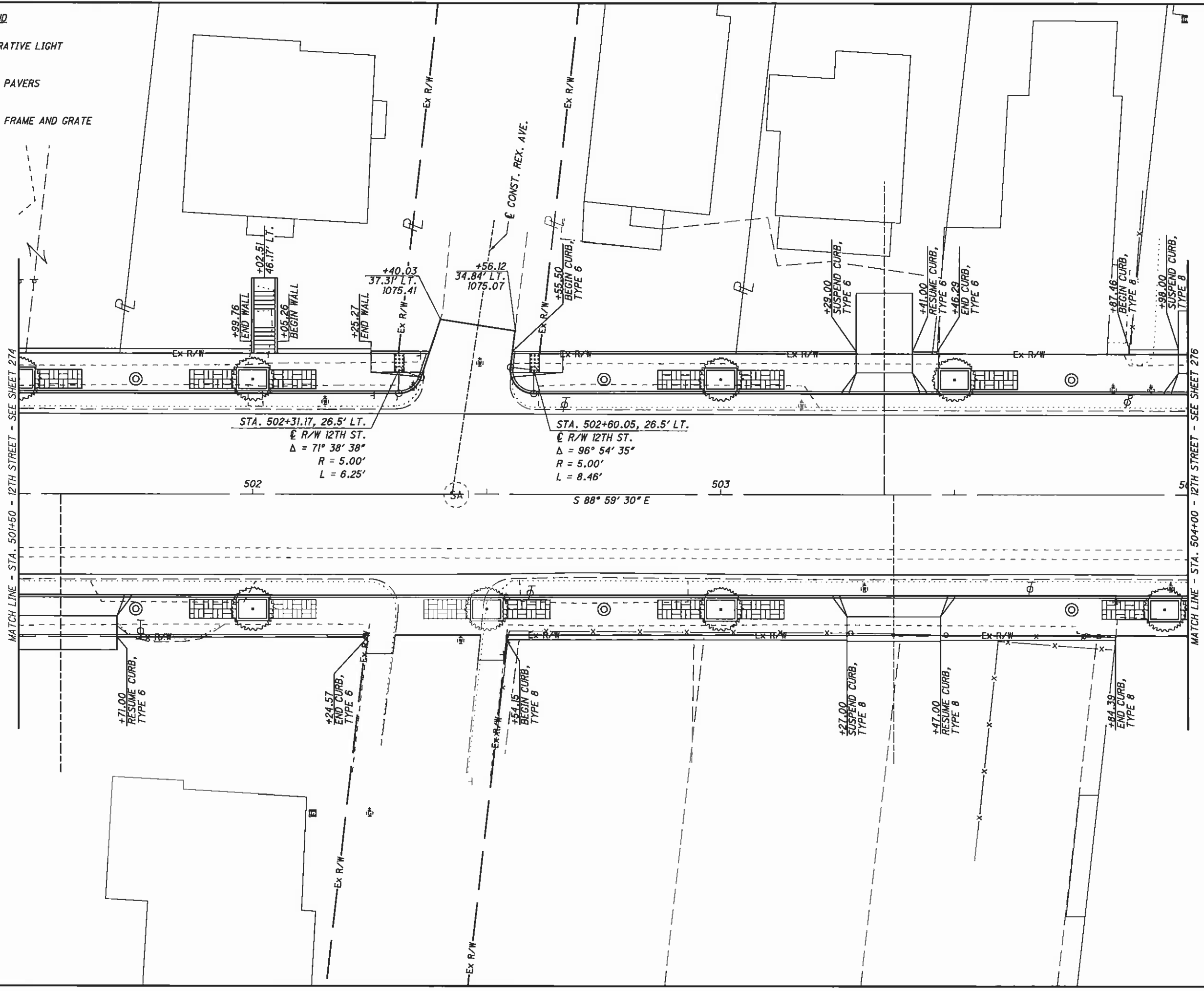
CALCULATED 0  
CHECKED

0 10 20  
HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 499+00 TO STA. 501+50

**LEGEND**

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



MATCH LINE - STA. 501+50 - 12TH STREET - SEE SHEET 274

MATCH LINE - STA. 504+00 - 12TH STREET - SEE SHEET 276




CALCULATED 0  
CHECKED

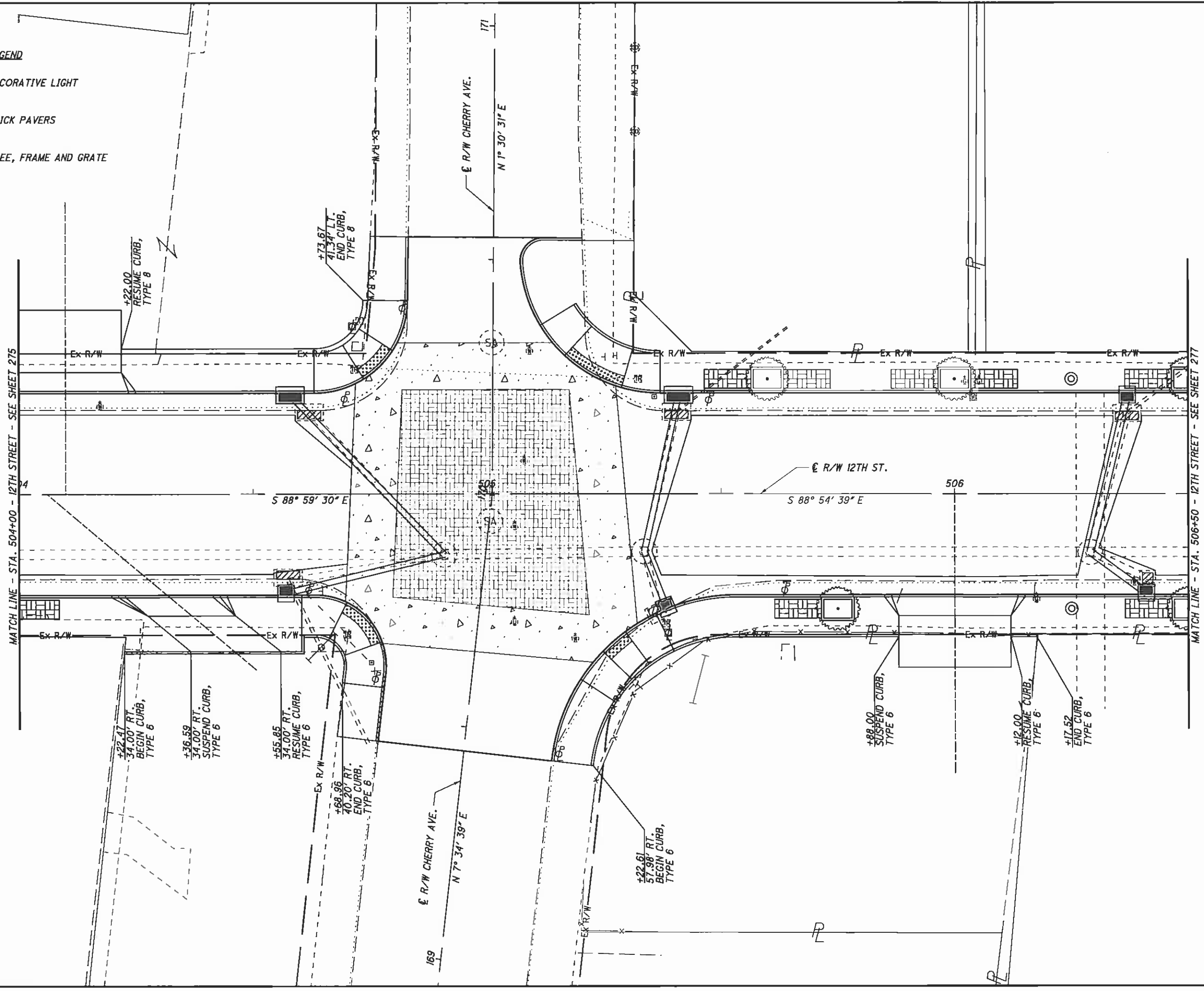


HORIZONTAL SCALE IN FEET

**MISCELLANEOUS DETAILS**  
**STA. 501+50 TO STA. 504+00**

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



CALCULATED  
CHECKED




0 5 10 20  
HORIZONTAL SCALE IN FEET

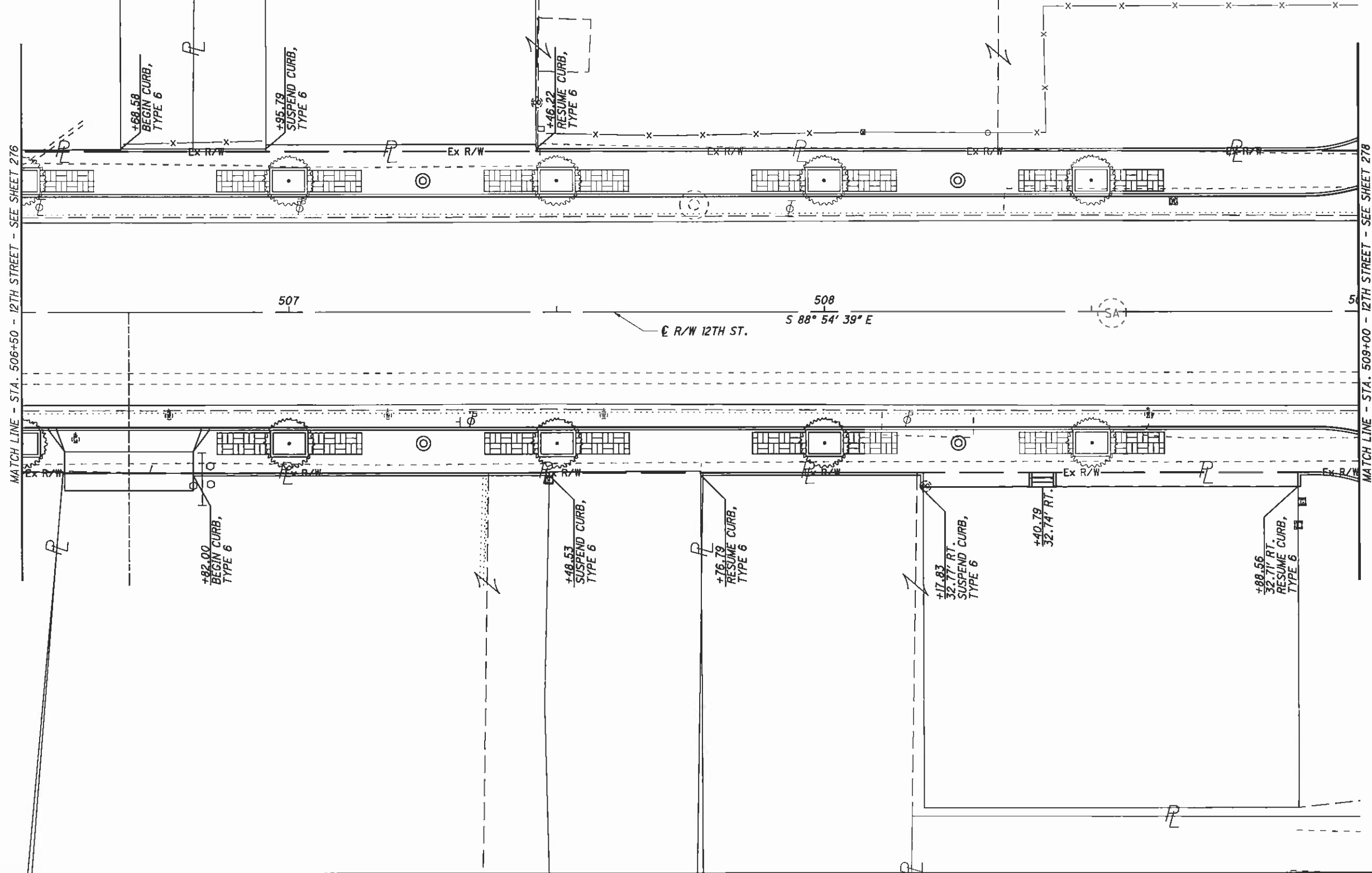
MISCELLANEOUS DETAILS  
STA. 504+00 TO STA. 506+50

STA-12TH STREET




J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GM028.dgn 10/6/2011 3:39:55 PM dcbarhart ODOTV8i\_PDF\_Half.plt c:\g ODOTV8i\_Per-ME.tbl M-E Companies, Inc.

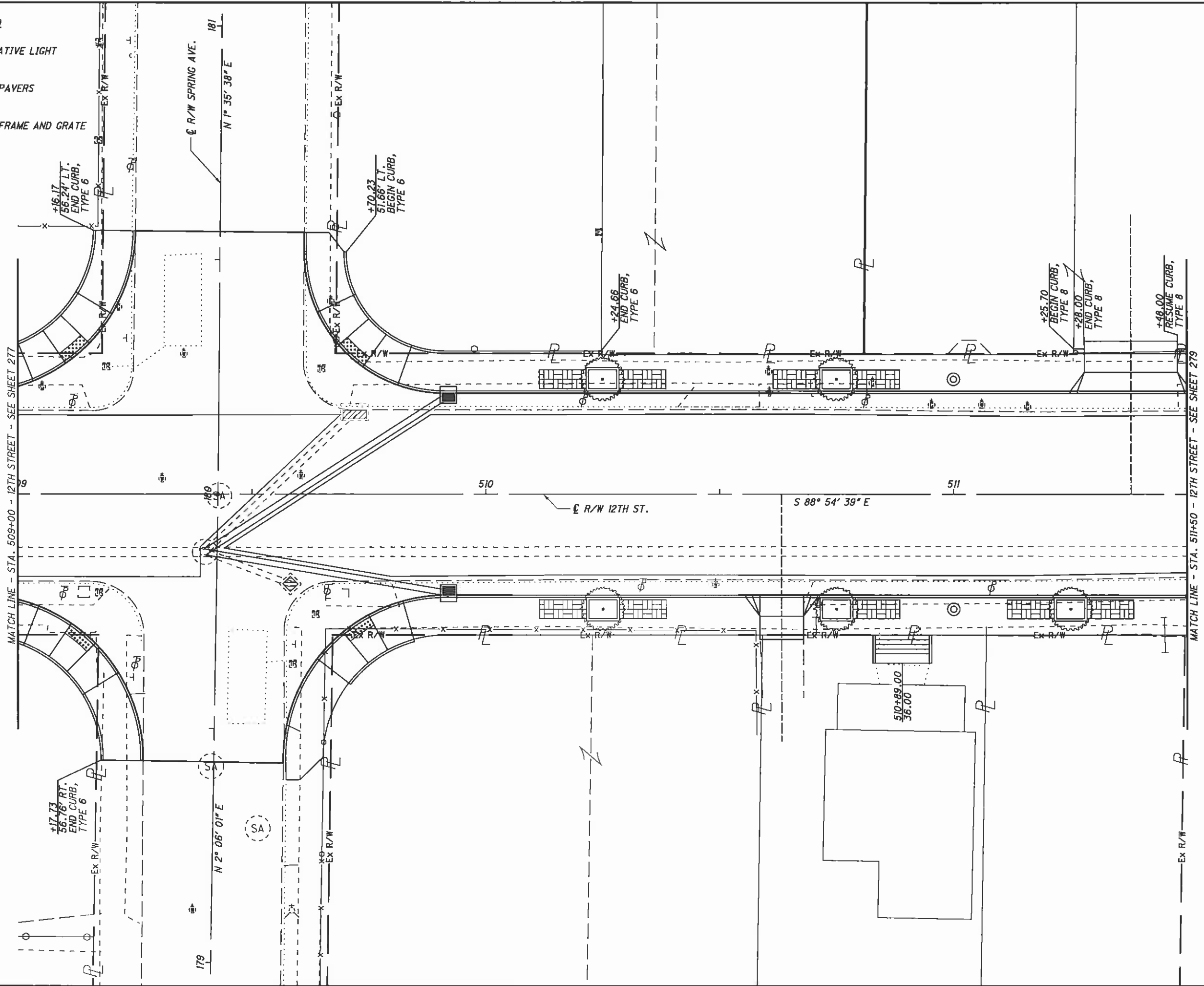
LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE






CALCULATED  
CHECKED

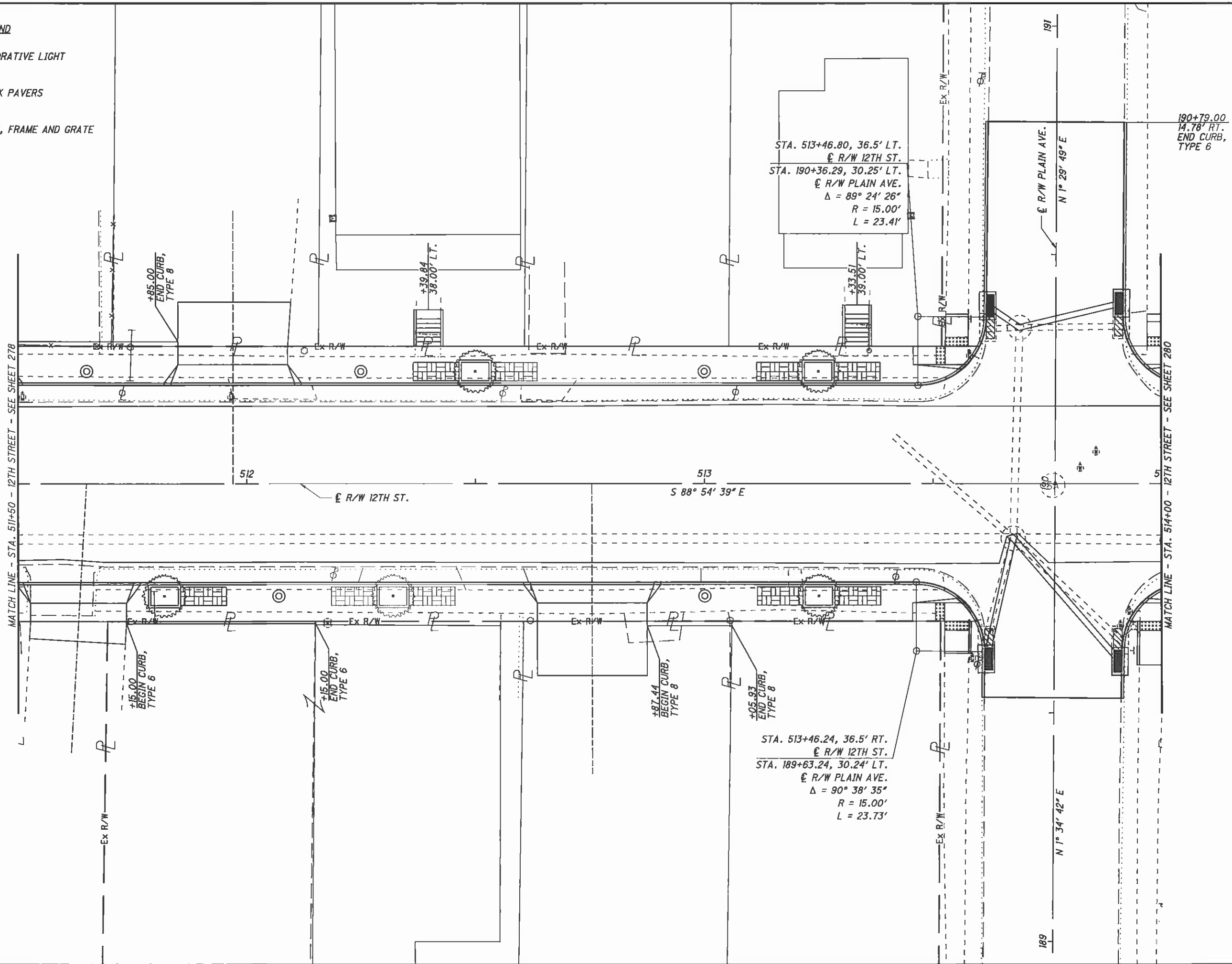
0 5 10 20  
HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 509+00 TO STA. 511+50

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GM030.dgn 10/6/2011 3:39:57 PM acbarhart ODOT\B\Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



MATCH LINE - STA. 511+50 - 12TH STREET - SEE SHEET 278

MATCH LINE - STA. 514+00 - 12TH STREET - SEE SHEET 280

STA. 513+46.80, 36.5' LT.  
 Ⓢ R/W 12TH ST.  
 STA. 190+36.29, 30.25' LT.  
 Ⓢ R/W PLAIN AVE.  
 $\Delta = 89^\circ 24' 26''$   
 $R = 15.00'$   
 $L = 23.41'$

STA. 513+46.24, 36.5' RT.  
 Ⓢ R/W 12TH ST.  
 STA. 189+63.24, 30.24' LT.  
 Ⓢ R/W PLAIN AVE.  
 $\Delta = 90^\circ 38' 35''$   
 $R = 15.00'$   
 $L = 23.73'$

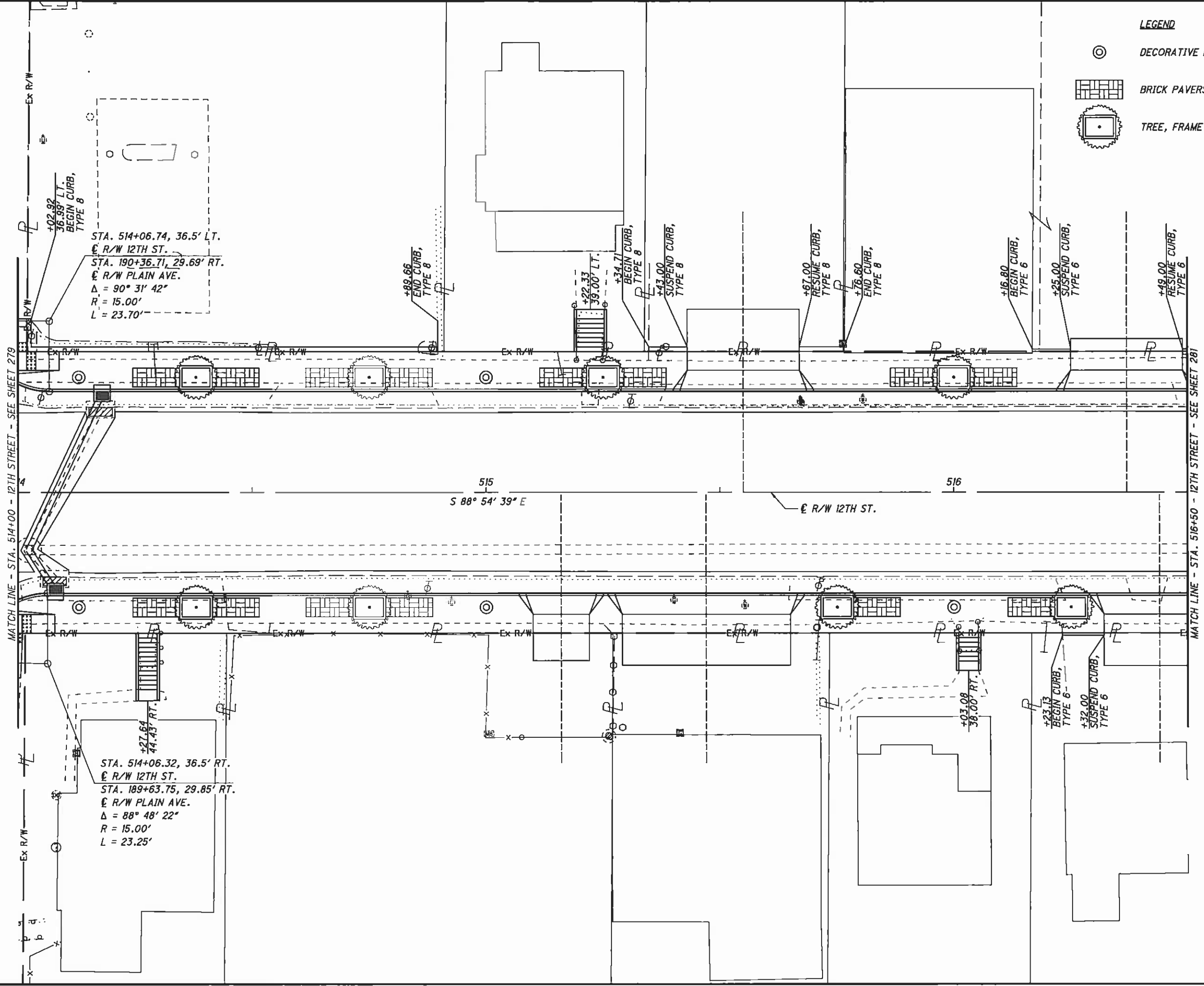
190+79.00  
 14.78' RT.  
 END CURB,  
 TYPE 6

CALCULATED  
 CHECKED

0 5 10 20  
 HORIZONTAL  
 SCALE IN FEET




MISCELLANEOUS DETAILS  
 STA. 511+50 TO STA. 514+00

STA-12TH STREET



STA. 514+06.74, 36.5' LT.  
 C R/W 12TH ST.  
 STA. 190+36.71, 29.69' RT.  
 C R/W PLAIN AVE.  
 $\Delta = 90^\circ 31' 42''$   
 $R = 15.00'$   
 $L = 23.70'$

STA. 514+06.32, 36.5' RT.  
 C R/W 12TH ST.  
 STA. 189+63.75, 29.85' RT.  
 C R/W PLAIN AVE.  
 $\Delta = 88^\circ 48' 22''$   
 $R = 15.00'$   
 $L = 23.25'$

- LEGEND**
-  DECORATIVE LIGHT
  -  BRICK PAVERS
  -  TREE, FRAME AND GRATE

CALCULATED  
 CHECKED

0 5 10 20  
 HORIZONTAL  
 SCALE IN FEET




MISCELLANEOUS DETAILS  
 STA. 514+00 TO STA. 516+50

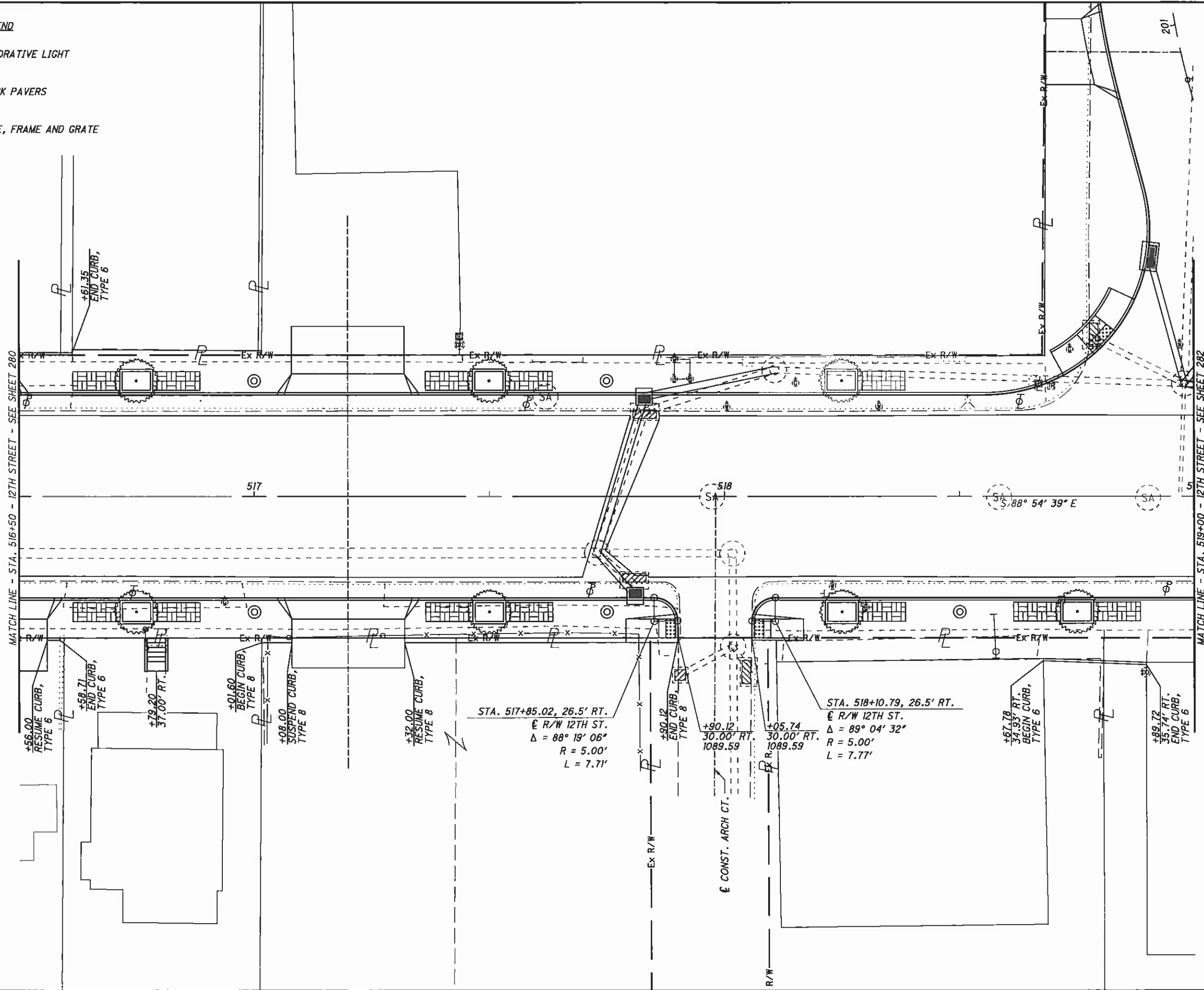
STA-12TH STREET



J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GM032.dgn 10/6/2011 3:39:59 PM dcbarhart\ ODOTVBI\_PDF\_half.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



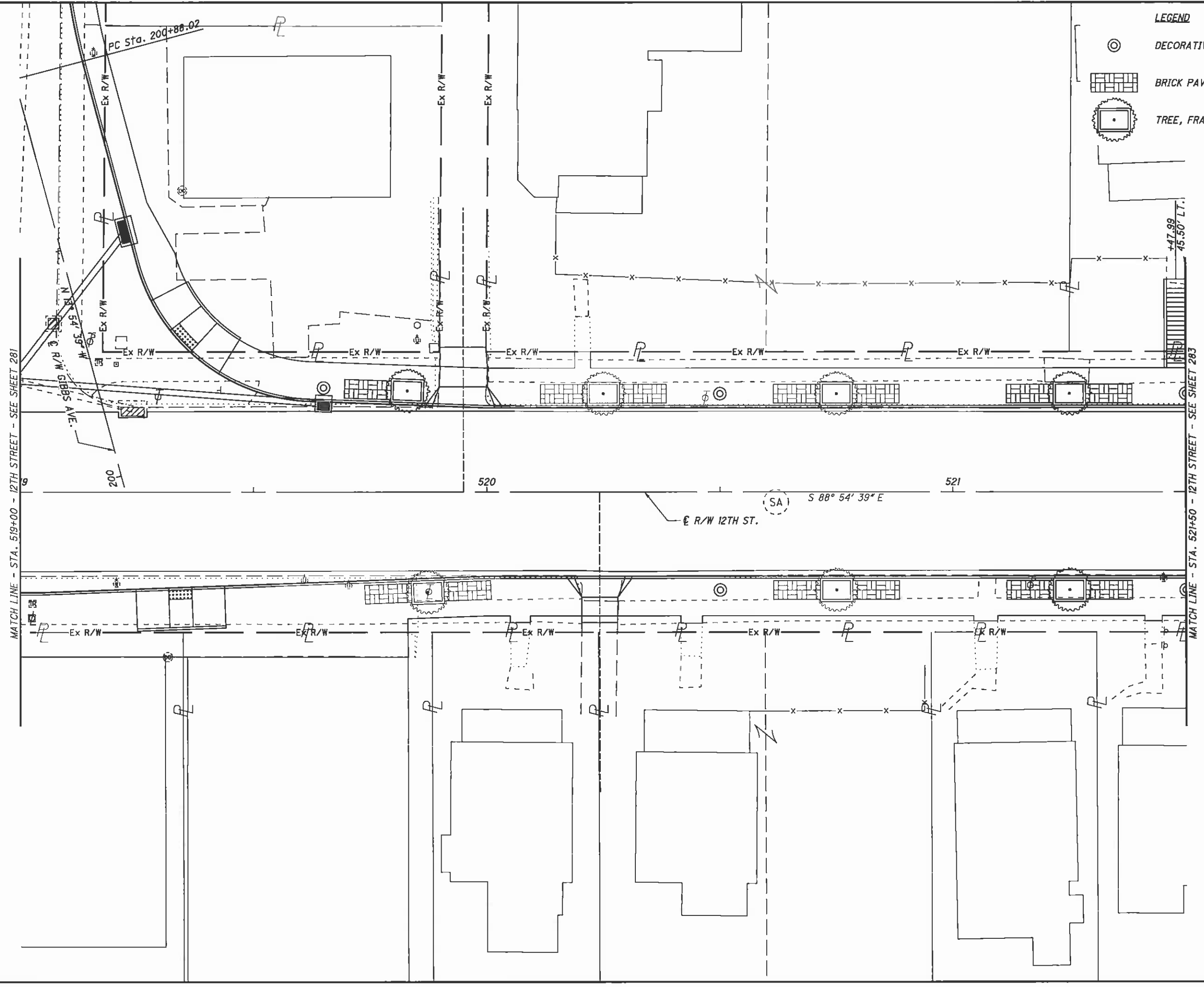
CALCULATED  
CHECKED



HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 516+50 TO STA. 519+00

STA-12TH STREET



**LEGEND**

- ⊙ DECORATIVE LIGHT
- ▒ BRICK PAVERS
- ⊗ TREE, FRAME AND GRATE

CALCULATED  
CHECKED




0 5 10 20  
HORIZONTAL  
SCALE IN FEET

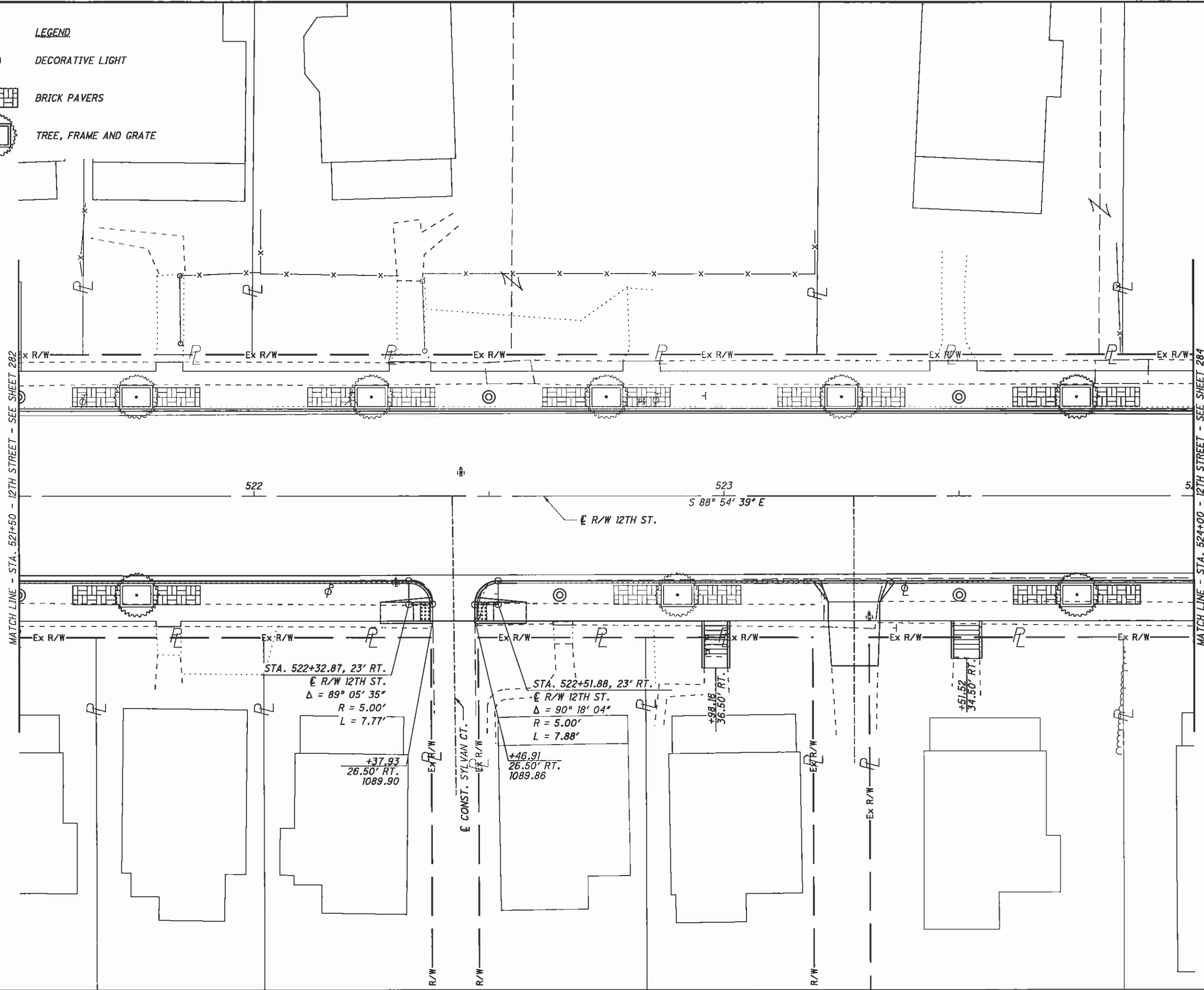
**MISCELLANEOUS DETAILS**  
**STA. 519+00 TO STA. 521+50**

**STA-12TH STREET**

J:\TS\11-060 12th Street\STA\85299\roadway\sheets\85299GMD34.dgn 10/16/2011 3:40:02 PM dcbarhart\ ODOTV81\_PDF\_Hair.pltclg ODOTV81\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



CALCULATED

CHECKED

0 10 20

HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS

STA. 521+50 TO STA. 524+00

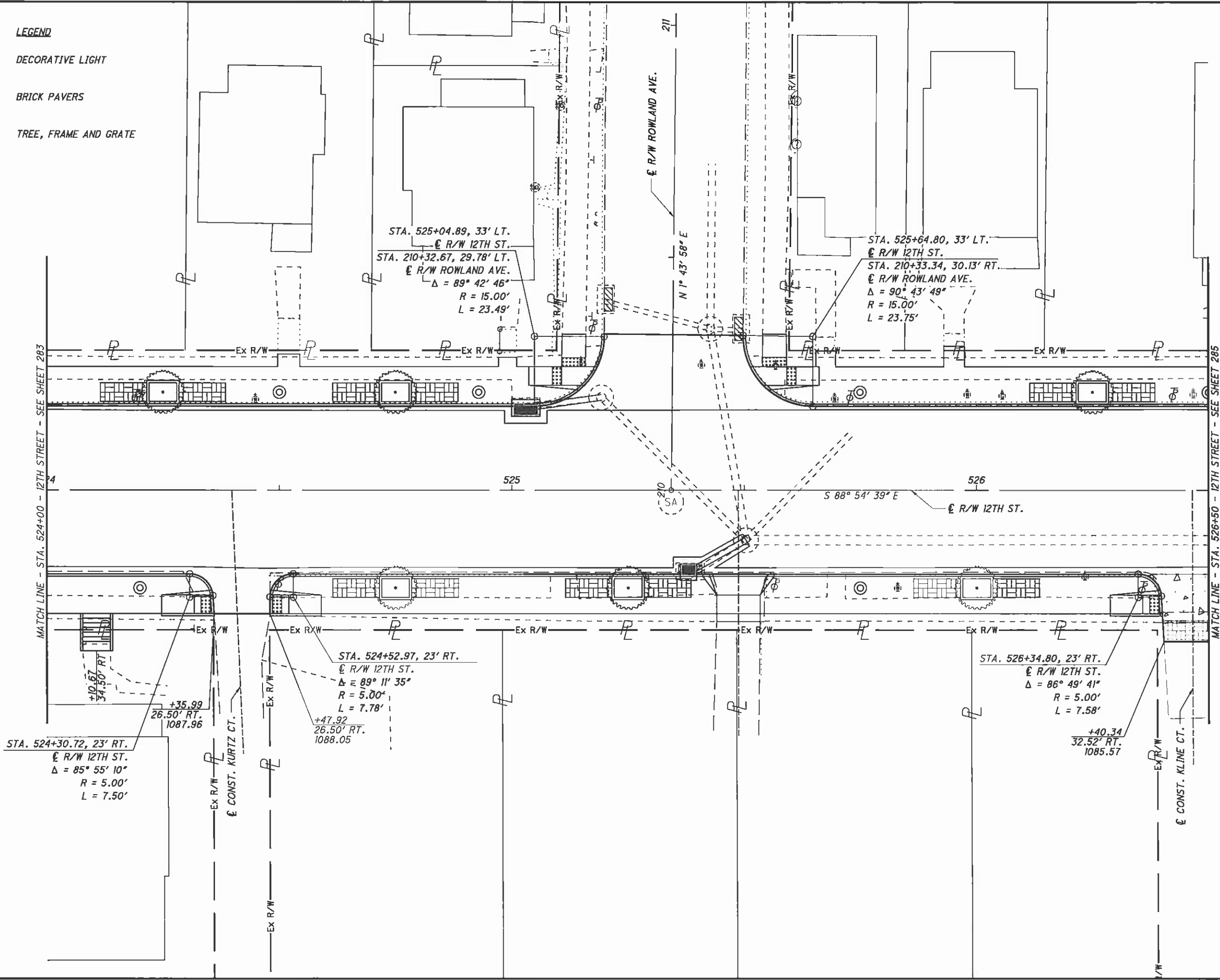
STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\B5299\roadway\sheet\B5299GM035.dgn 10/6/2011 3:40:03 PM dcbarhart\ ODOTV8i\_PDF\_Hair.plt cfg ODOTV8i\_Pen-ME.tbl M-E Companies, Inc.

**LEGEND**



DECORATIVE LIGHT  
BRICK PAVERS  
TREE, FRAME AND GRATE



STA. 524+30.72, 23' RT.  
E R/W 12TH ST.  
 $\Delta = 85^\circ 55' 10''$   
 $R = 5.00'$   
 $L = 7.50'$

+10.67  
34.50' RT.  
+35.99  
26.50' RT.  
1087.96

CONST. KURTZ CT.

STA. 524+52.97, 23' RT.  
E R/W 12TH ST.  
 $\Delta = 89^\circ 11' 35''$   
 $R = 5.00'$   
 $L = 7.78'$   
+47.92  
26.50' RT.  
1088.05

STA. 525+04.89, 33' LT.  
E R/W 12TH ST.  
STA. 210+32.67, 29.78' LT.  
E R/W ROWLAND AVE.  
 $\Delta = 89^\circ 42' 46''$   
 $R = 15.00'$   
 $L = 23.49'$

211  
E R/W ROWLAND AVE.  
N  $1^\circ 43' 58''$  E

S  $88^\circ 54' 39''$  E  
E R/W 12TH ST.

STA. 525+64.80, 33' LT.  
E R/W 12TH ST.  
STA. 210+33.34, 30.13' RT.  
E R/W ROWLAND AVE.  
 $\Delta = 90^\circ 43' 49''$   
 $R = 15.00'$   
 $L = 23.75'$

STA. 526+34.80, 23' RT.  
E R/W 12TH ST.  
 $\Delta = 86^\circ 49' 41''$   
 $R = 5.00'$   
 $L = 7.58'$   
+40.34  
32.52' RT.  
1085.57

CONST. KLINE CT.



CALCULATED




CHECKED

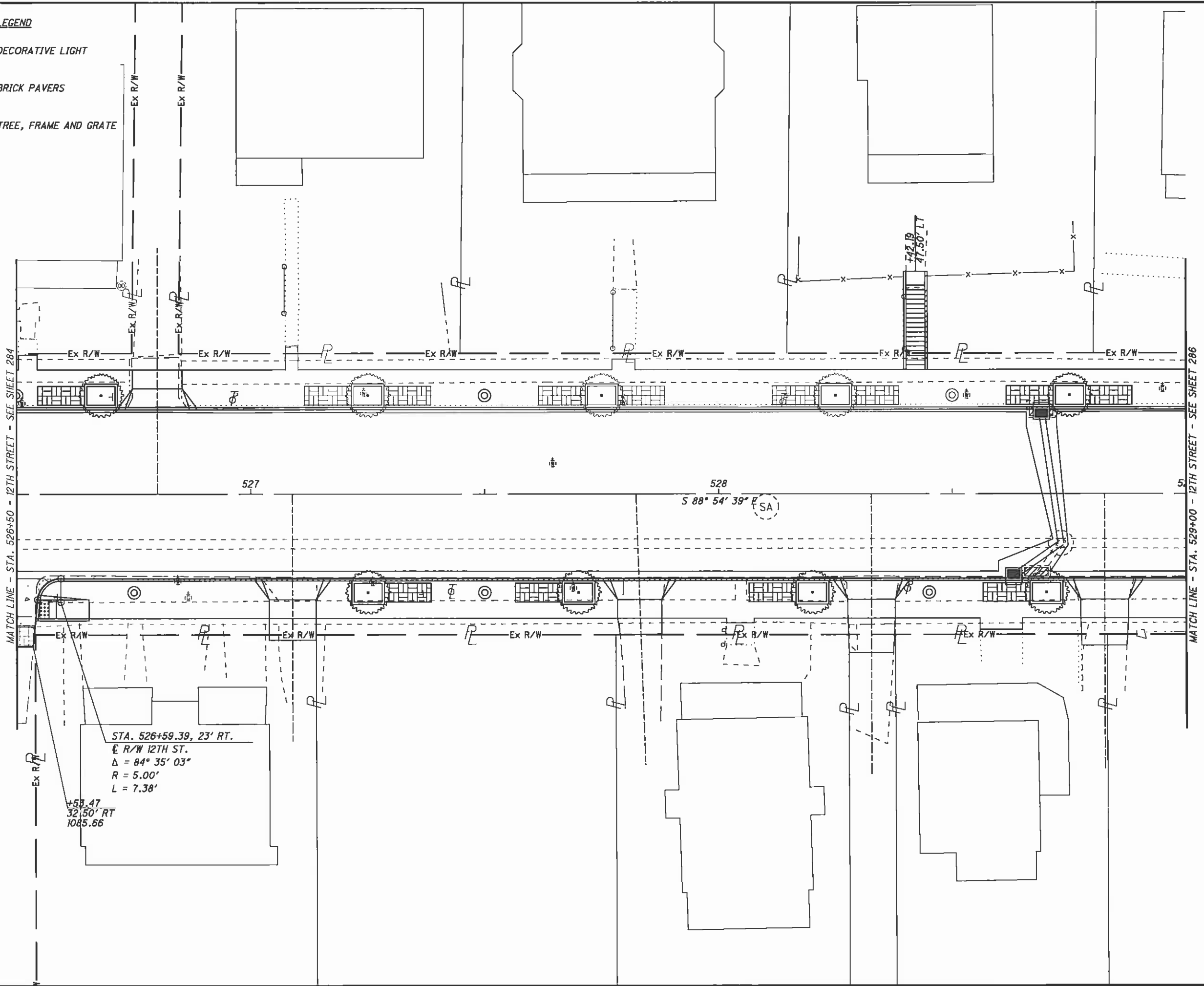
MISCELLANEOUS DETAILS  
STA. 524+00 TO STA. 526+50

STA-12TH STREET

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\B5299GM036.dgn 10/6/2011 3:40:04 PM dcbarharl\ ODOTVBI\_PDF\_Half.plt c:\g\ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



MATCH LINE - STA. 526+50 - 12TH STREET - SEE SHEET 284

MATCH LINE - STA. 529+00 - 12TH STREET - SEE SHEET 286

STA. 526+59.39, 23' RT.  
 E R/W 12TH ST.  
 $\Delta = 84^\circ 35' 03''$   
 $R = 5.00'$   
 $L = 7.38'$

+53.47  
 32.50' RT  
 1085.66

528  
 $S 88^\circ 54' 39'' E$  SA

CALCULATED  
 CHECKED



0 10 20  
 HORIZONTAL  
 SCALE IN FEET




MISCELLANEOUS DETAILS  
 STA. 526+50 TO STA. 529+00

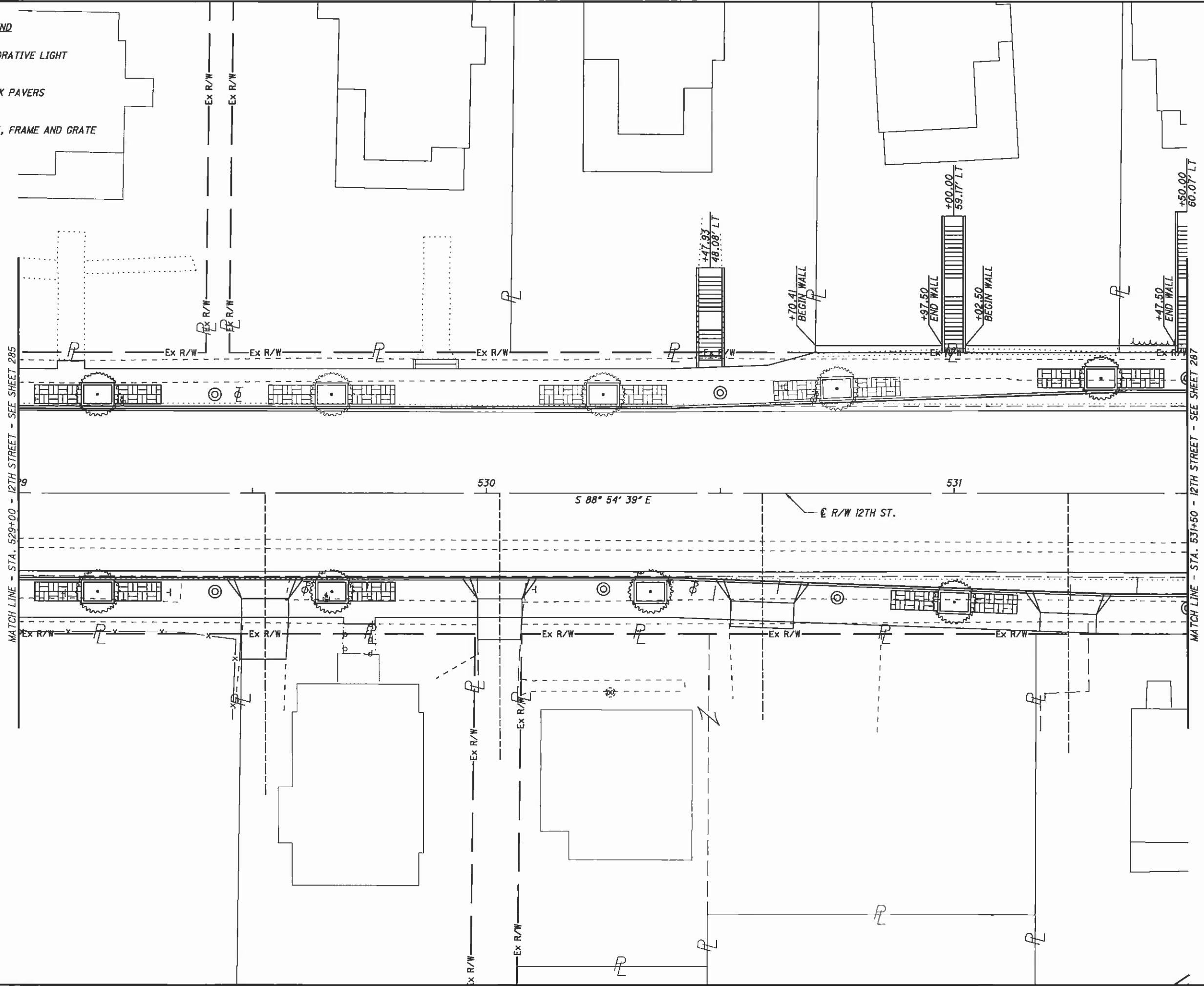
STA-12TH STREET

285  
 317

J:\TSA\11-060 12th Street\STA\85299\roadway\sheets\85299GM037.dgn 10/6/2011 3:40:06 PM dcbarhart ODOTV81\_PDF\_Half.plt cfg ODOTV81\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



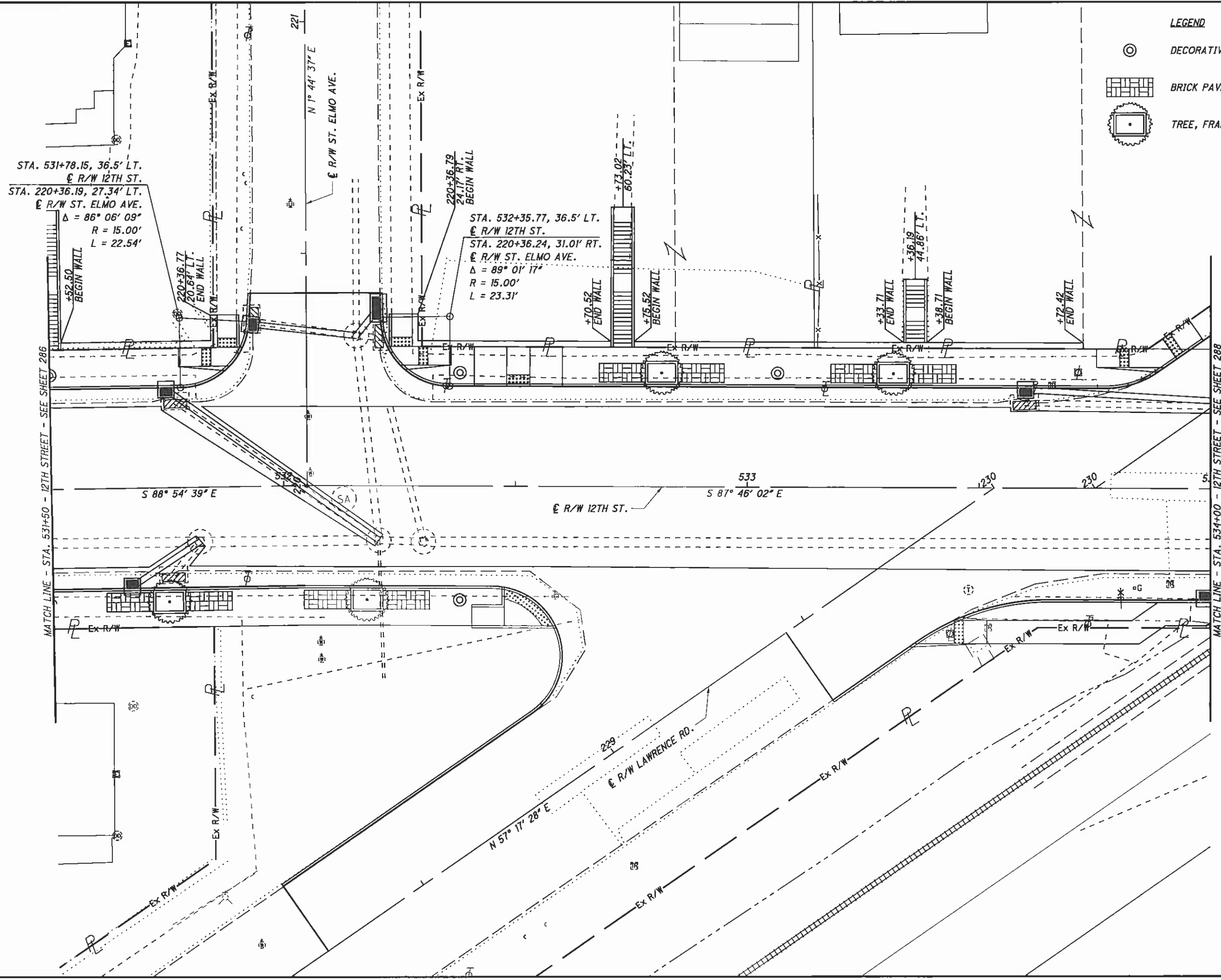
CALCULATED  
CHECKED






HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 529+00 TO STA. 531+50

STA-12TH STREET



**LEGEND**

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE

CALCULATED  
CHECKED

0 5 10 15 20  
HORIZONTAL  
SCALE IN FEET

MATCH LINE - STA. 531+50 - 12TH STREET - SEE SHEET 286

MATCH LINE - STA. 534+00 - 12TH STREET - SEE SHEET 288




MISCELLANEOUS DETAILS  
STA. 531+50 TO STA. 534+00

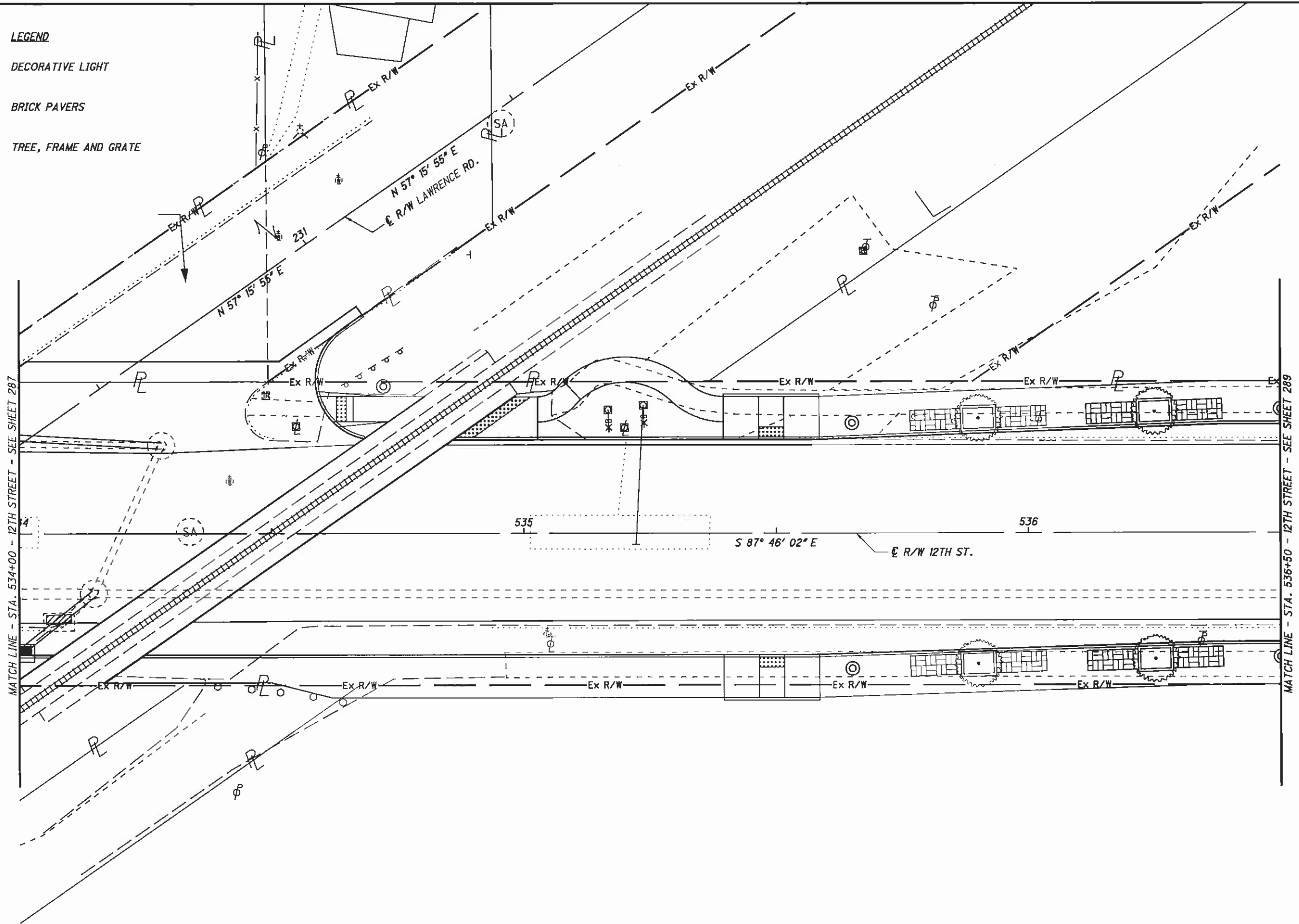
STA-12TH STREET

287  
317

J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\B5299GM039.dgn 10/6/2011 3:40:08 PM dcbarhart\ ODOT\B5299\Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



MATCH LINE - STA. 534+00 - 12TH STREET - SEE SHEET 287

MATCH LINE - STA. 536+50 - 12TH STREET - SEE SHEET 289

CALCULATED  
CHECKED




HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
STA. 534+00 TO STA. 536+50




STA-12TH STREET

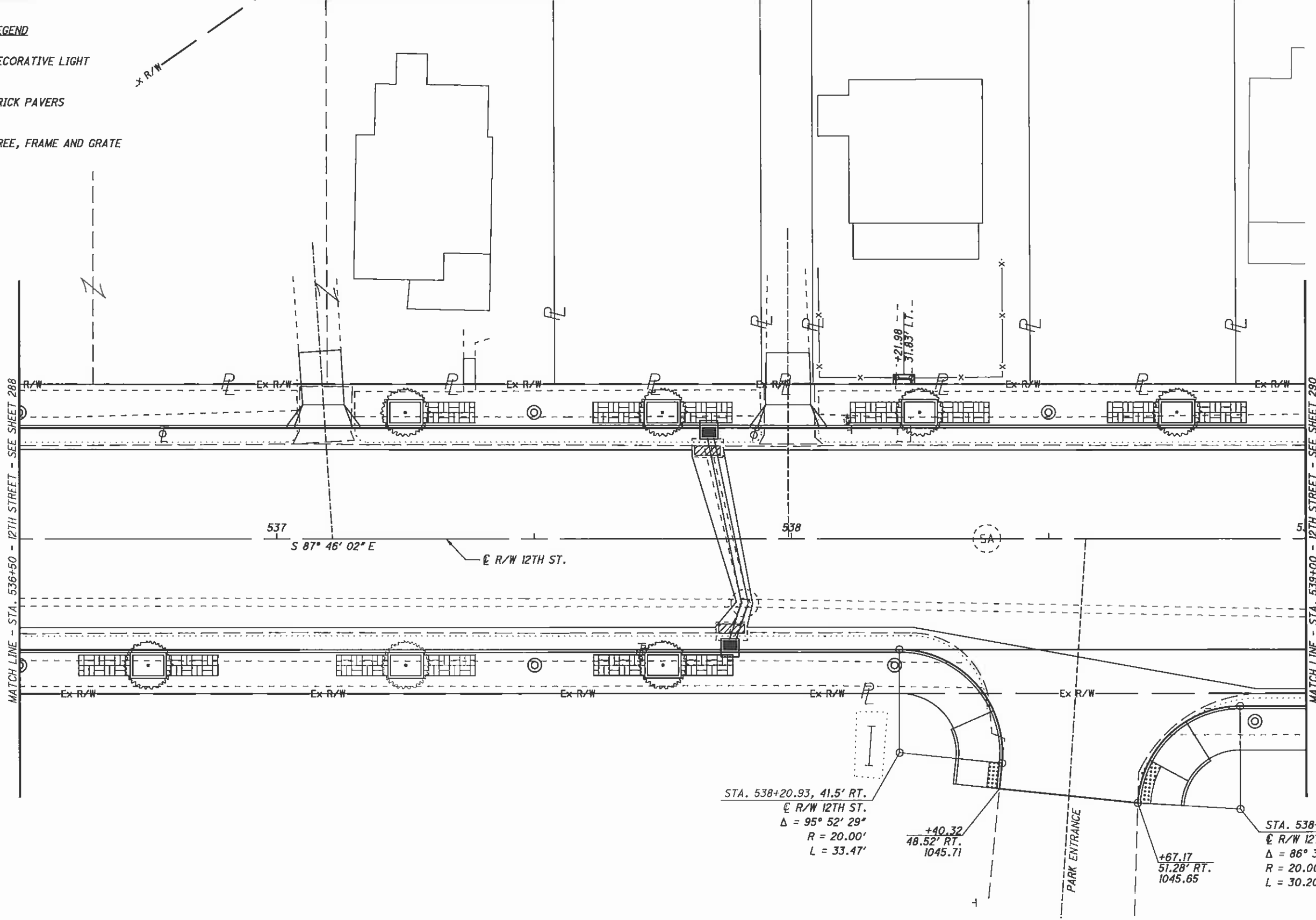
288  
317



J:\NTS\11\11-060 12th Street\STA\B5299\roadway\sheets\B5299GM040.dgn 10/6/2011 3:40:09 PM dcbarharl\ ODOTVBI\_PDF\_Half.pltcfgr ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.

**LEGEND**

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



STA. 538+20.93, 41.5' RT.  
 C R/W 12TH ST.  
 $\Delta = 95^\circ 52' 29''$   
 $R = 20.00'$   
 $L = 33.47'$

+40.32  
 48.52' RT.  
 1045.71

PARK ENTRANCE

+67.17  
 51.28' RT.  
 1045.65

STA. 538+87.14, 52.5' RT.  
 C R/W 12TH ST.  
 $\Delta = 86^\circ 31' 01''$   
 $R = 20.00'$   
 $L = 30.20'$

CALCULATED  
 CHECKED

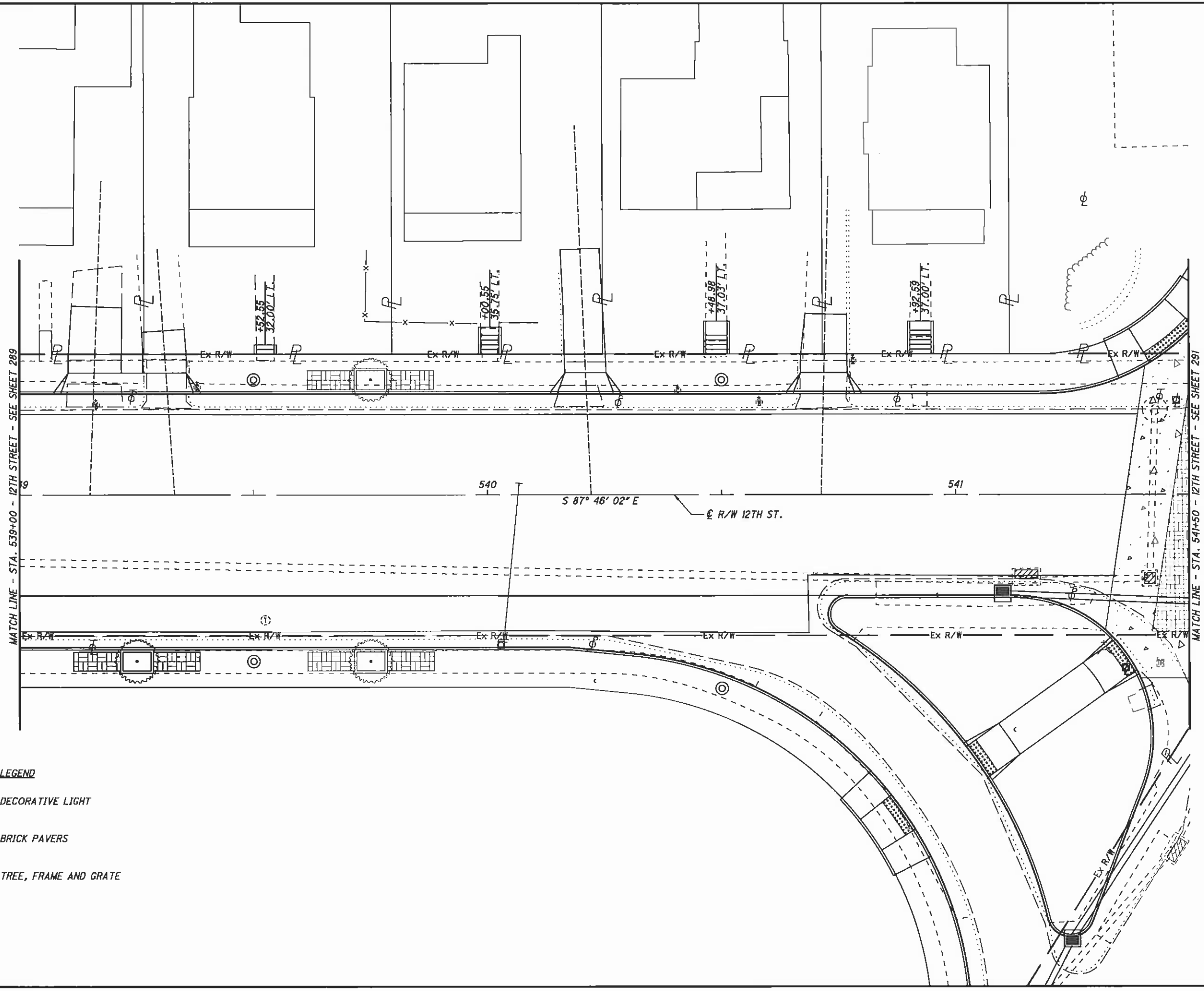



HORIZONTAL SCALE IN FEET



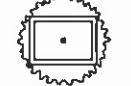
MISCELLANEOUS DETAILS  
 STA. 536+50 TO STA. 539+00

STA-12TH STREET

J:\TS\11\11-060 12th Street\STA\85299\roadway\sheels\85299GMD41.dgn 10/6/2011 3:40:10 PM dcbarnhart ODOTVBI\_PDF\_Half.plt c:\g\ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



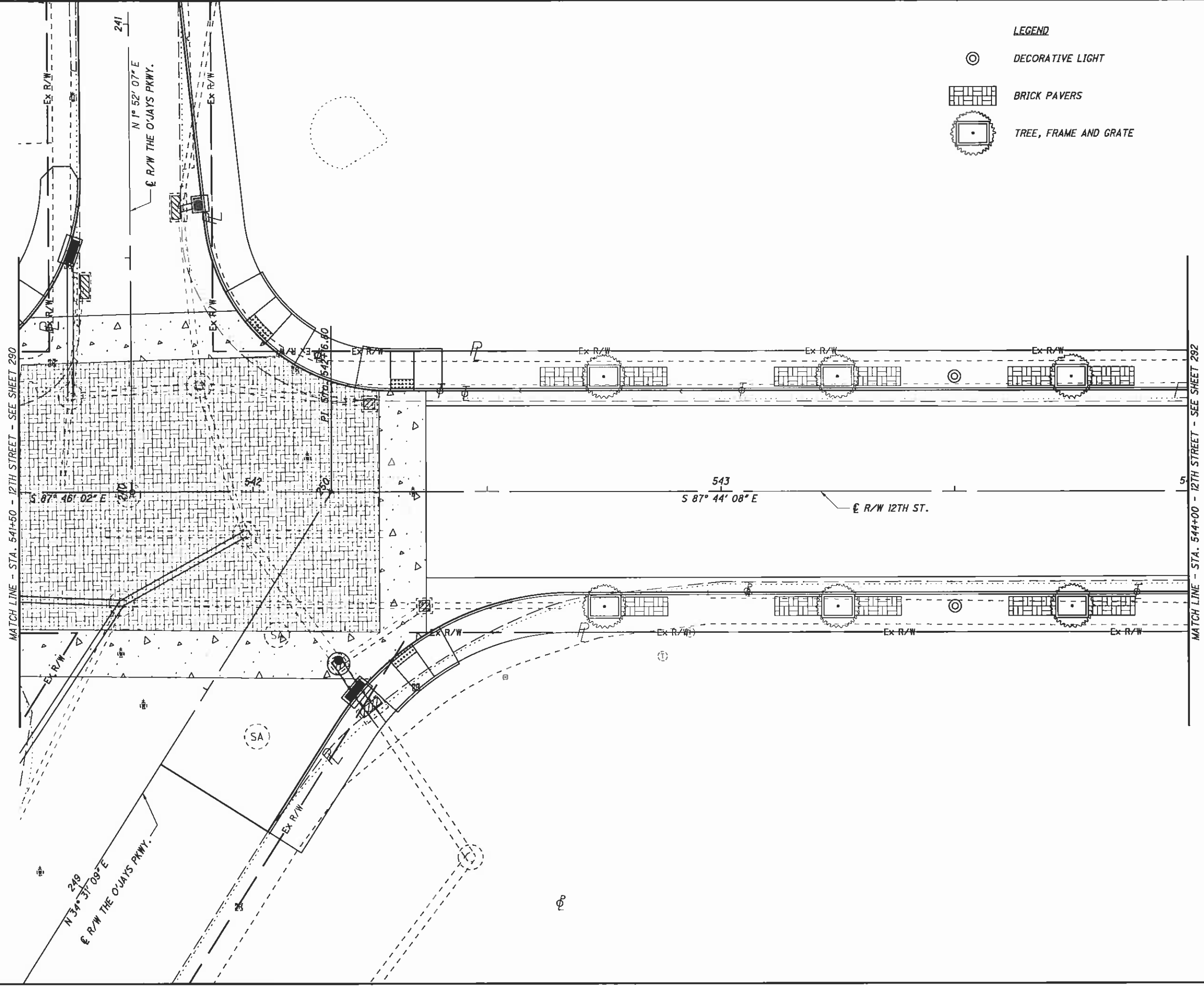
**LEGEND**

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE

CALCULATED 0  
 CHECKED 20  
 HORIZONTAL SCALE IN FEET

MISCELLANEOUS DETAILS  
 STA. 539+00 TO STA. 541+50

STA-12TH STREET



- LEGEND**
-  DECORATIVE LIGHT
  -  BRICK PAVERS
  -  TREE, FRAME AND GRATE

CALCULATED  
CHECKED

0 5 10 20  
HORIZONTAL SCALE IN FEET



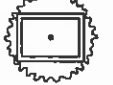


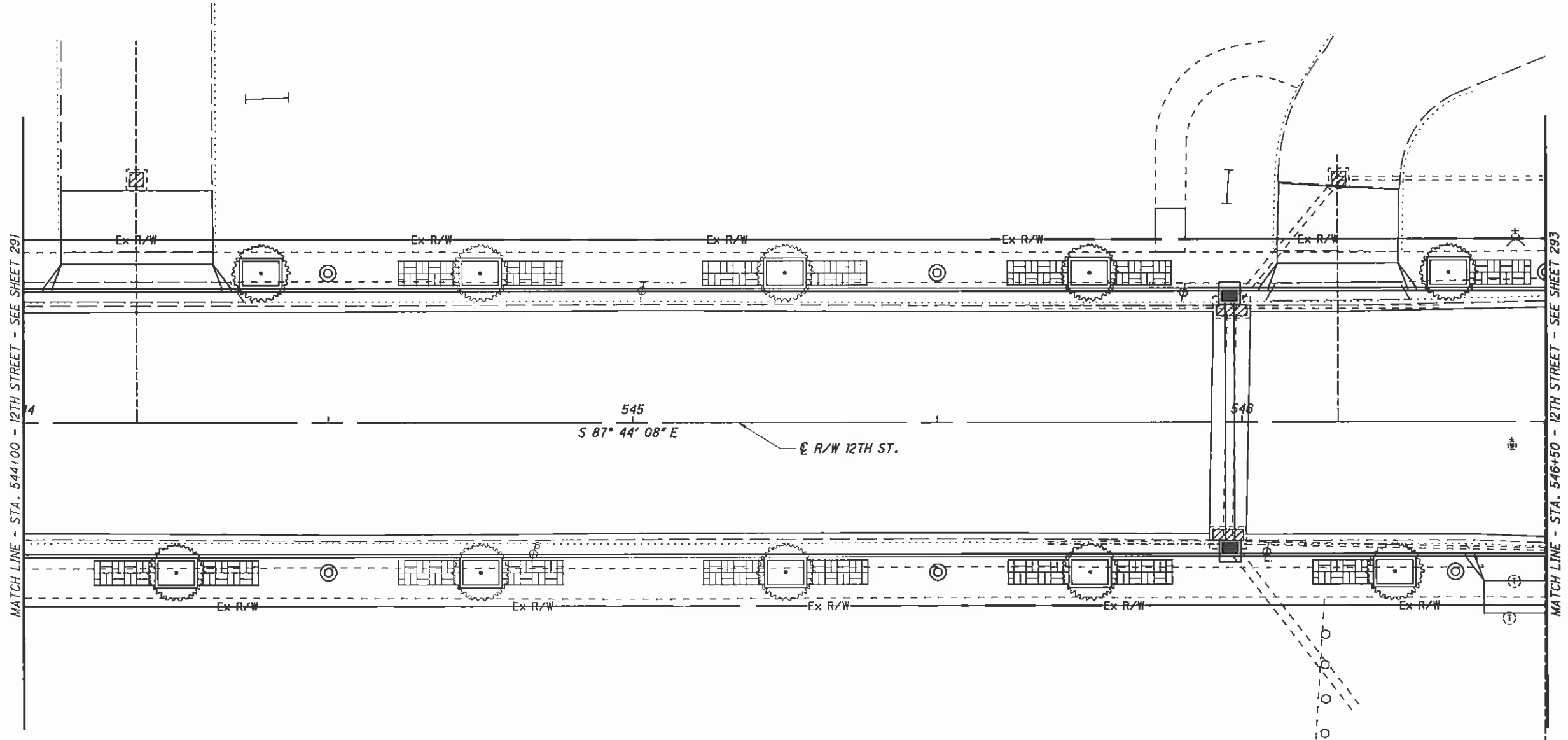
**MISCELLANEOUS DETAILS**  
**STA. 541+50 TO STA. 544+00**

**STA-12TH STREET**

J:\TS\11-060 12th Street\STA\B5299\roadway\sheet\B5299GMD43.dgn 10/6/2011 3:40:14 PM dcbarhart\ ODOT\B5299\_PDF\_Half.pltcfq ODOT\B5299\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



CALCULATED

CHECKED

0 10 20

HORIZONTAL SCALE IN FEET




MISCELLANEOUS DETAILS

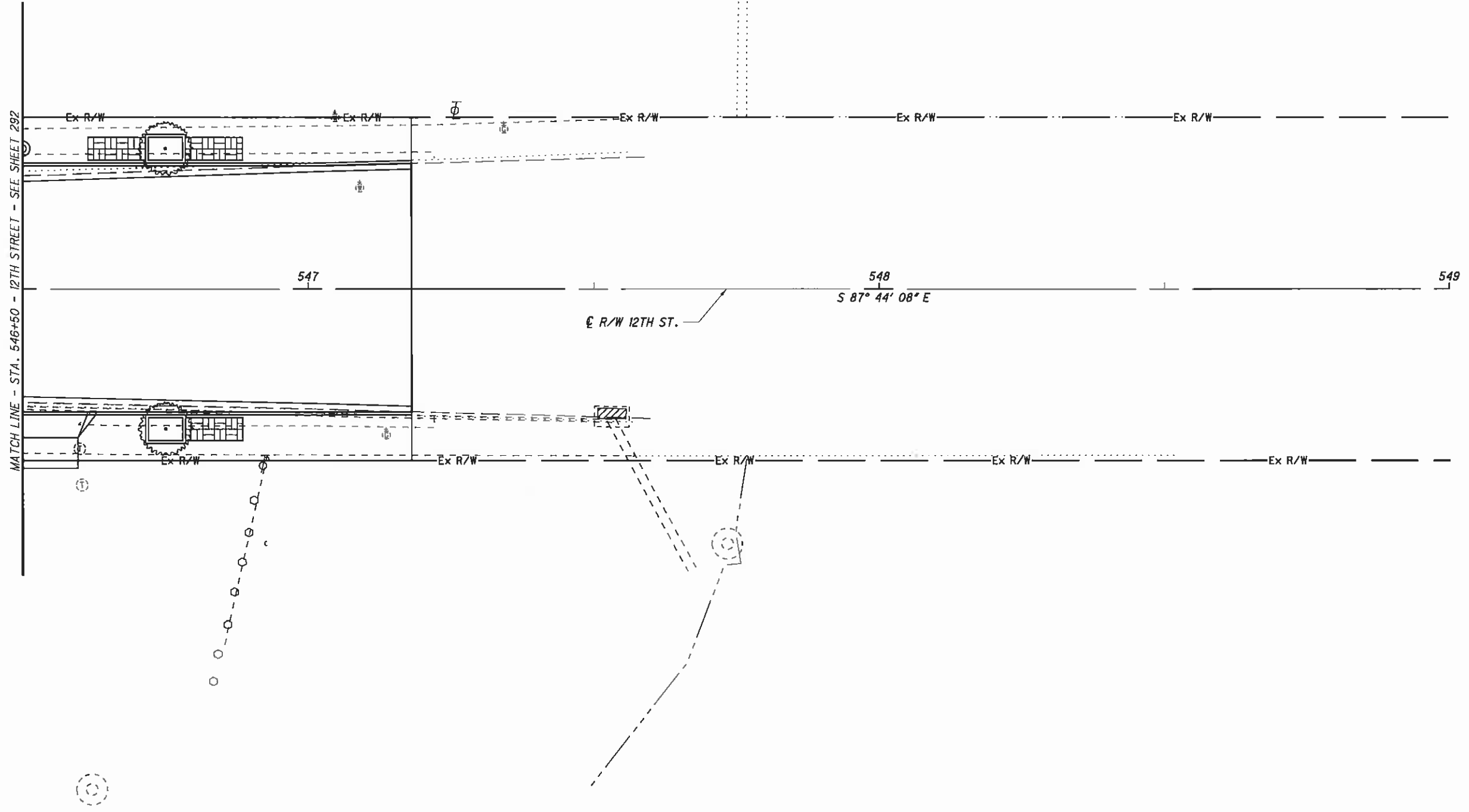
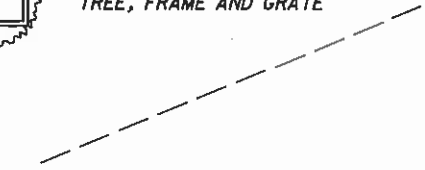
STA. 544+00 TO STA. 546+50

STA-12TH STREET

J:\TS\11-060 12th Street\STA\B5299\roadway\sheets\B5299GM044.dgn 10/6/2011 3:40:15 PM dcbarhart\ ODOT\B5\_PDF\_Half.pltcfgr ODOT\B5\_Pen-ME.tbl M-E Companies, Inc.

LEGEND

-  DECORATIVE LIGHT
-  BRICK PAVERS
-  TREE, FRAME AND GRATE



0 5 10 20  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
CHECKED

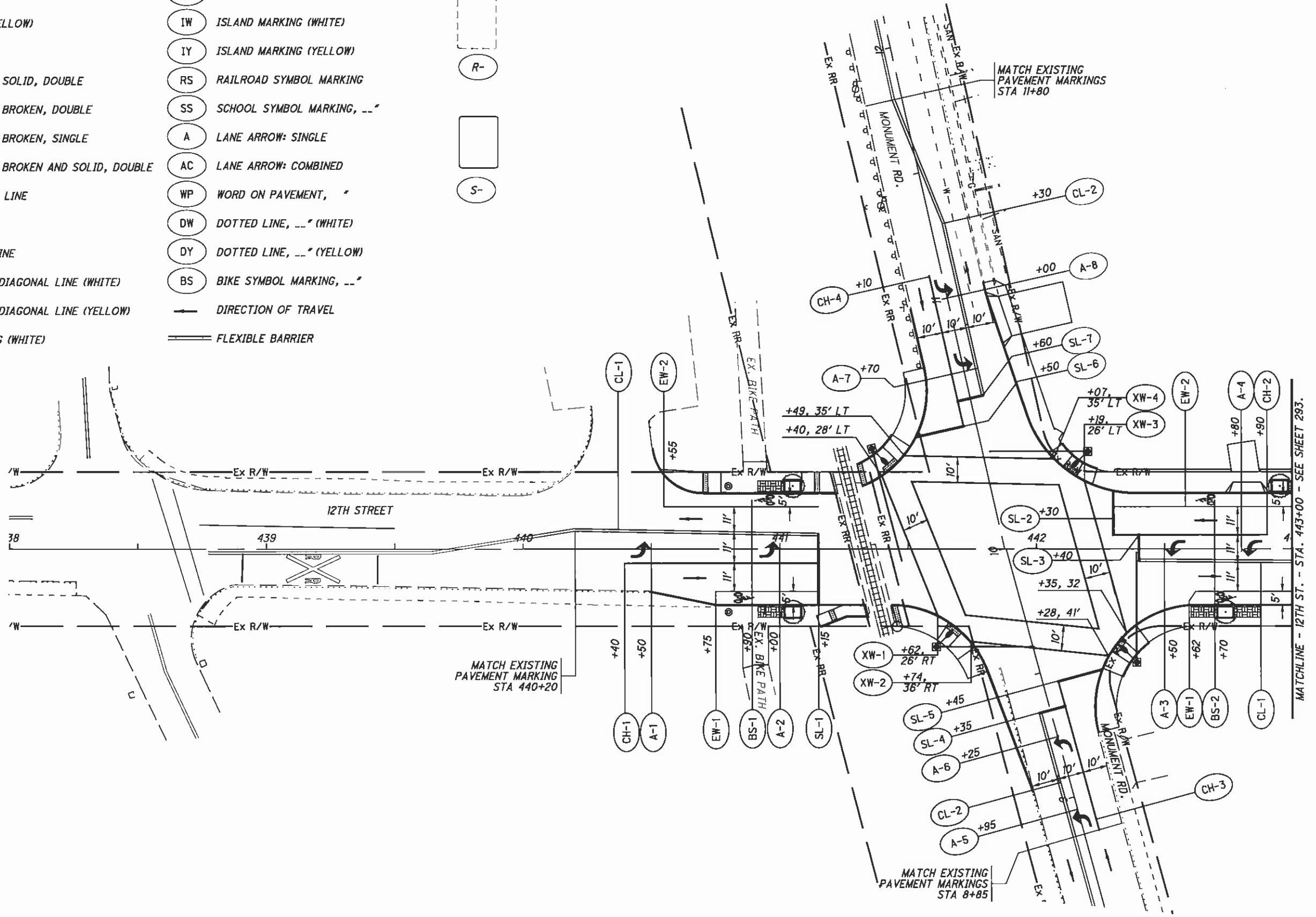
MISCELLANEOUS DETAILS  
STA. 546+50 TO STA. 549+00

STA-12TH STREET

293  
317

**SIGN AND PAVEMENT MARKING LEGEND**

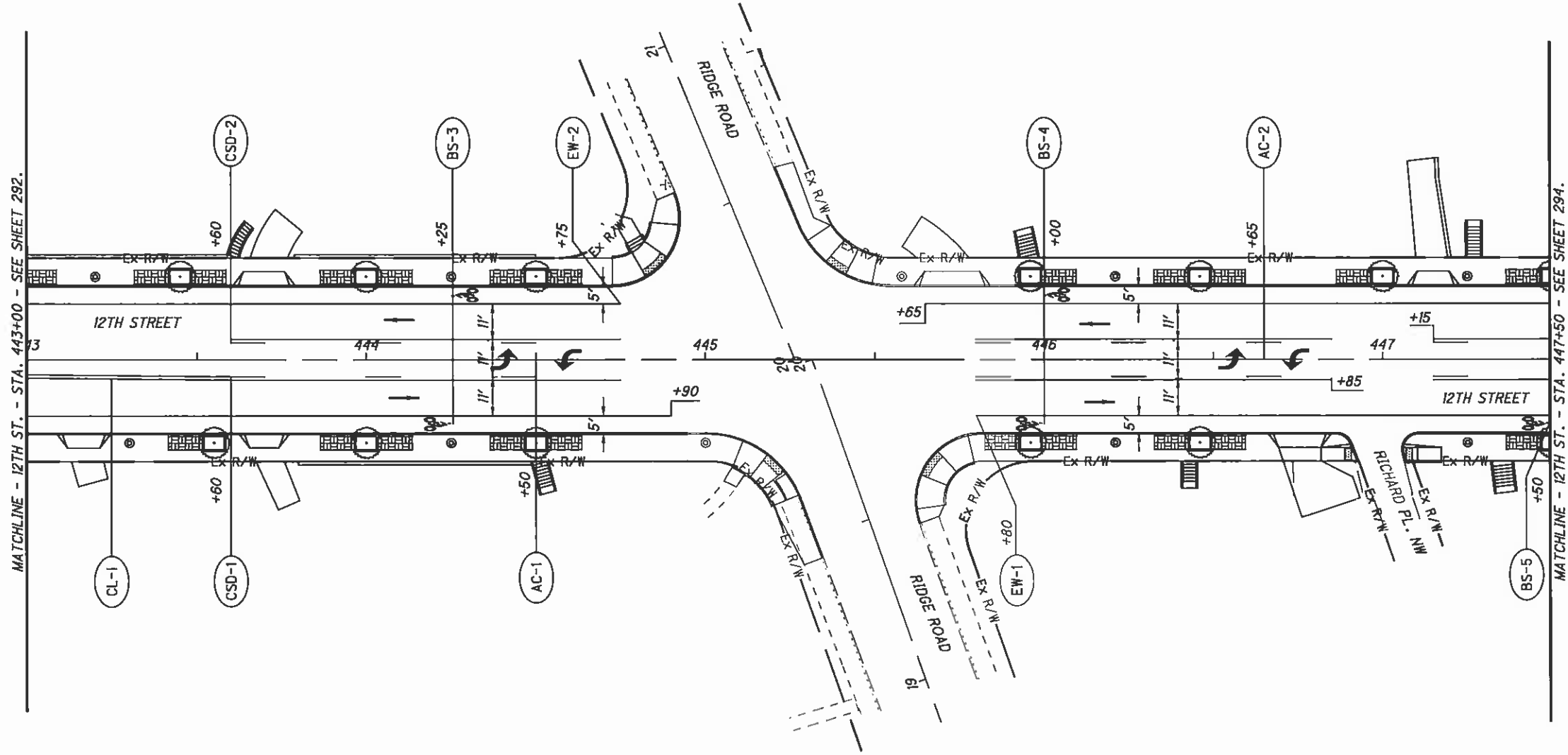
(EW) EDGE LINE (WHITE)	(CBY) CURB MARKING (YELLOW)	(R-) [Symbol]
(EY) EDGE LINE (YELLOW)	(IW) ISLAND MARKING (WHITE)	[Symbol]
(LL) LANE LINE	(IY) ISLAND MARKING (YELLOW)	(S-) [Symbol]
(CL) CENTER LINE: SOLID, DOUBLE	(RS) RAILROAD SYMBOL MARKING	[Symbol]
(CD) CENTER LINE: BROKEN, DOUBLE	(SS) SCHOOL SYMBOL MARKING, --"	[Symbol]
(CS) CENTER LINE: BROKEN, SINGLE	(A) LANE ARROW: SINGLE	[Symbol]
(CSD) CENTER LINE: BROKEN AND SOLID, DOUBLE	(AC) LANE ARROW: COMBINED	[Symbol]
(CH) CHANNELIZING LINE	(WP) WORD ON PAVEMENT, "	[Symbol]
(SL) STOP LINE	(DW) DOTTED LINE, --" (WHITE)	[Symbol]
(XW) CROSSWALK LINE	(DY) DOTTED LINE, --" (YELLOW)	[Symbol]
(TW) TRANSVERSE/DIAGONAL LINE (WHITE)	(BS) BIKE SYMBOL MARKING, --"	[Symbol]
(TY) TRANSVERSE/DIAGONAL LINE (YELLOW)	— DIRECTION OF TRAVEL	[Symbol]
(CBW) CURB MARKING (WHITE)	== FLEXIBLE BARRIER	[Symbol]



0 20 40  
 HORIZONTAL SCALE IN FEET  
 CALCULATED MAM  
 CHECKED DLW

**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - ST STA. 438+00 TO STA. 443+00**

**STA-12TH STREET**



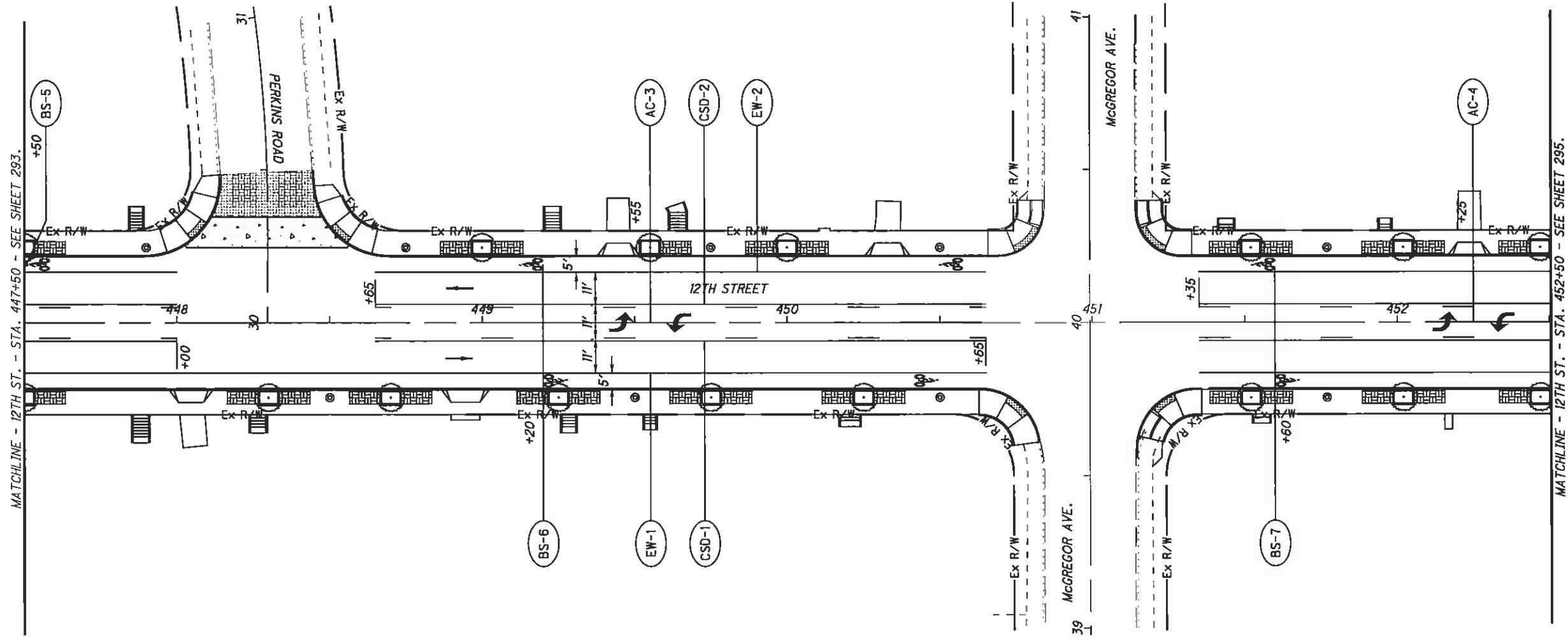
NOTES:

1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.



CALCULATED  
MAM  
CHECKED  
DLW

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 443+00 TO STA. 447+50**



NOTES:

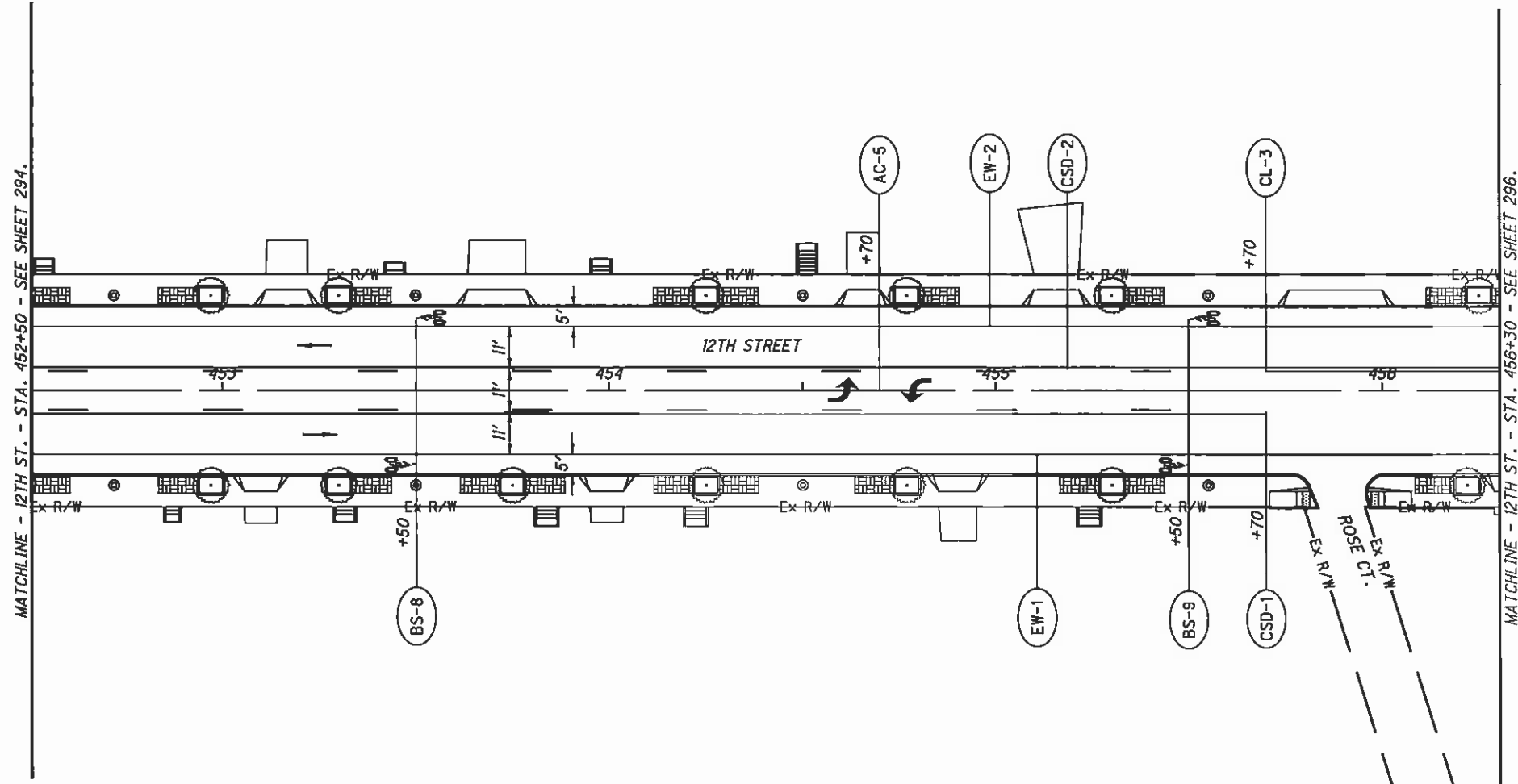
1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

CALCULATED  
MAM  
CHECKED  
DLW

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 447+50 TO STA. 452+50**







NOTES:

1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

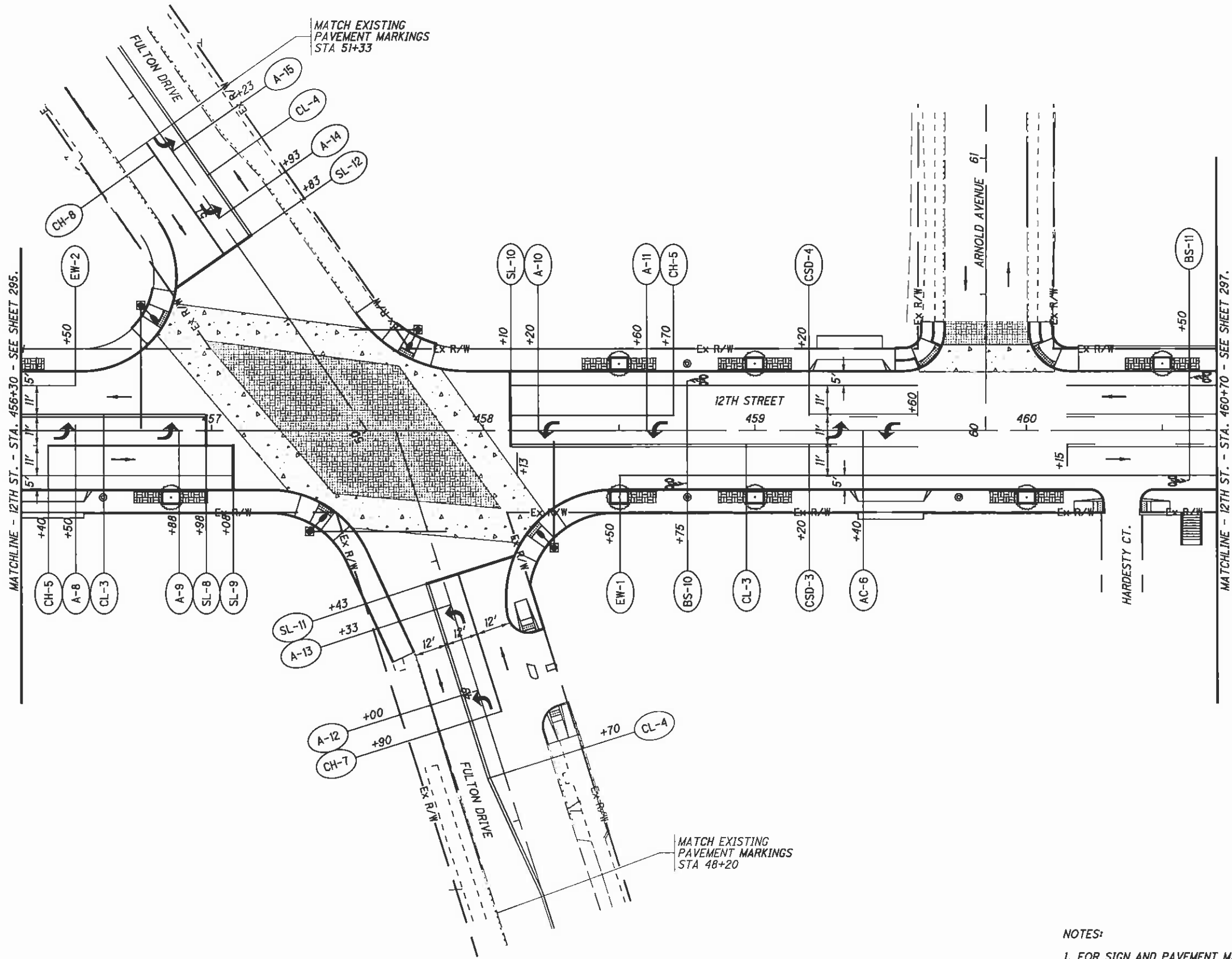
STA-12TH STREET

SIGN AND PAVEMENT MARKING PLAN  
12TH ST. - STA. 452+50 TO STA. 456+30

297  
317

CALCULATED  
MAM  
CHECKED  
DLW





NOTES:

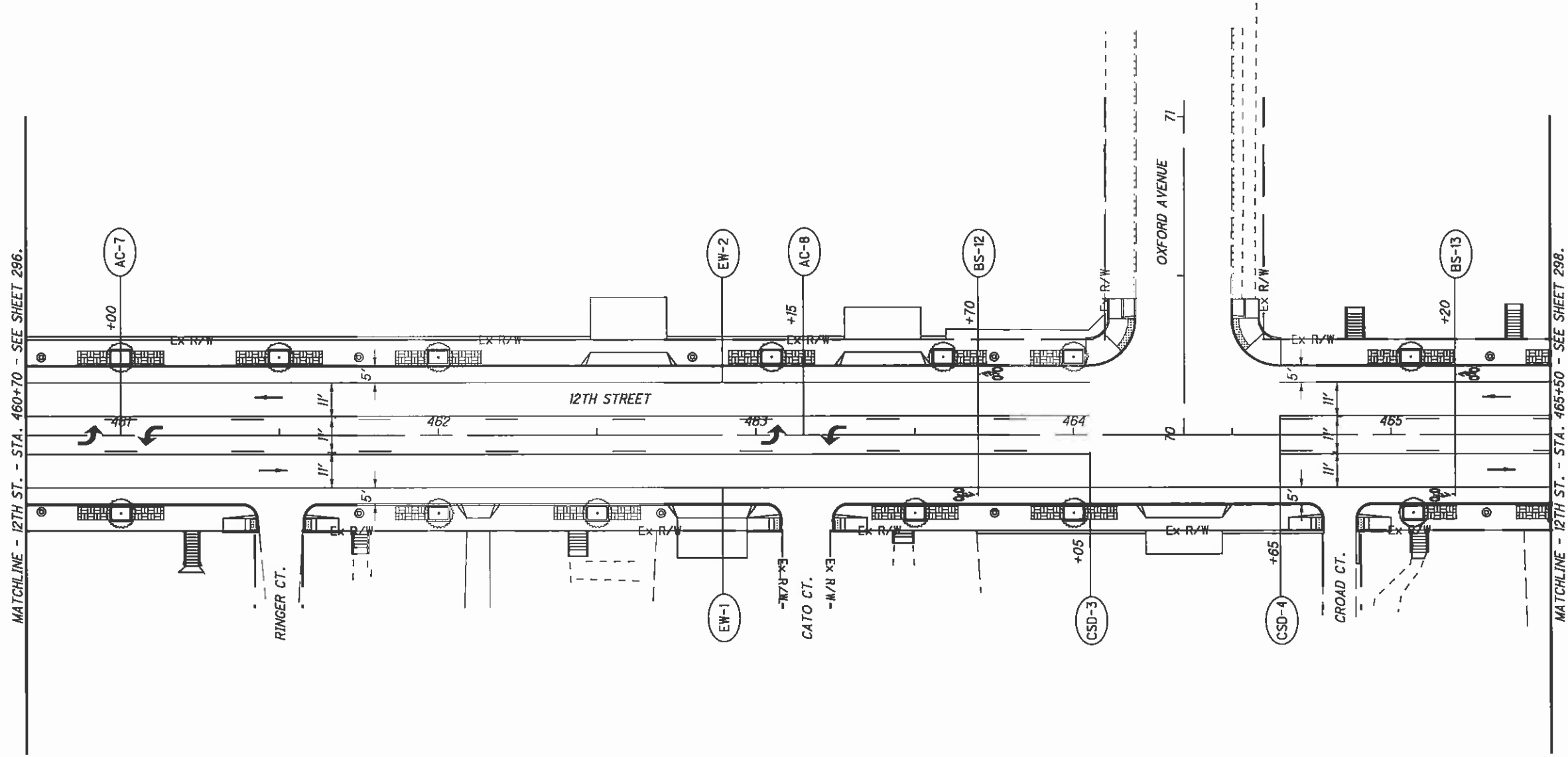
1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

STA-12TH STREET

SIGN AND PAVEMENT MARKING PLAN  
12TH ST. - STA. 456+30 TO STA. 460+70

CALCULATED MAM  
CHECKED DLW



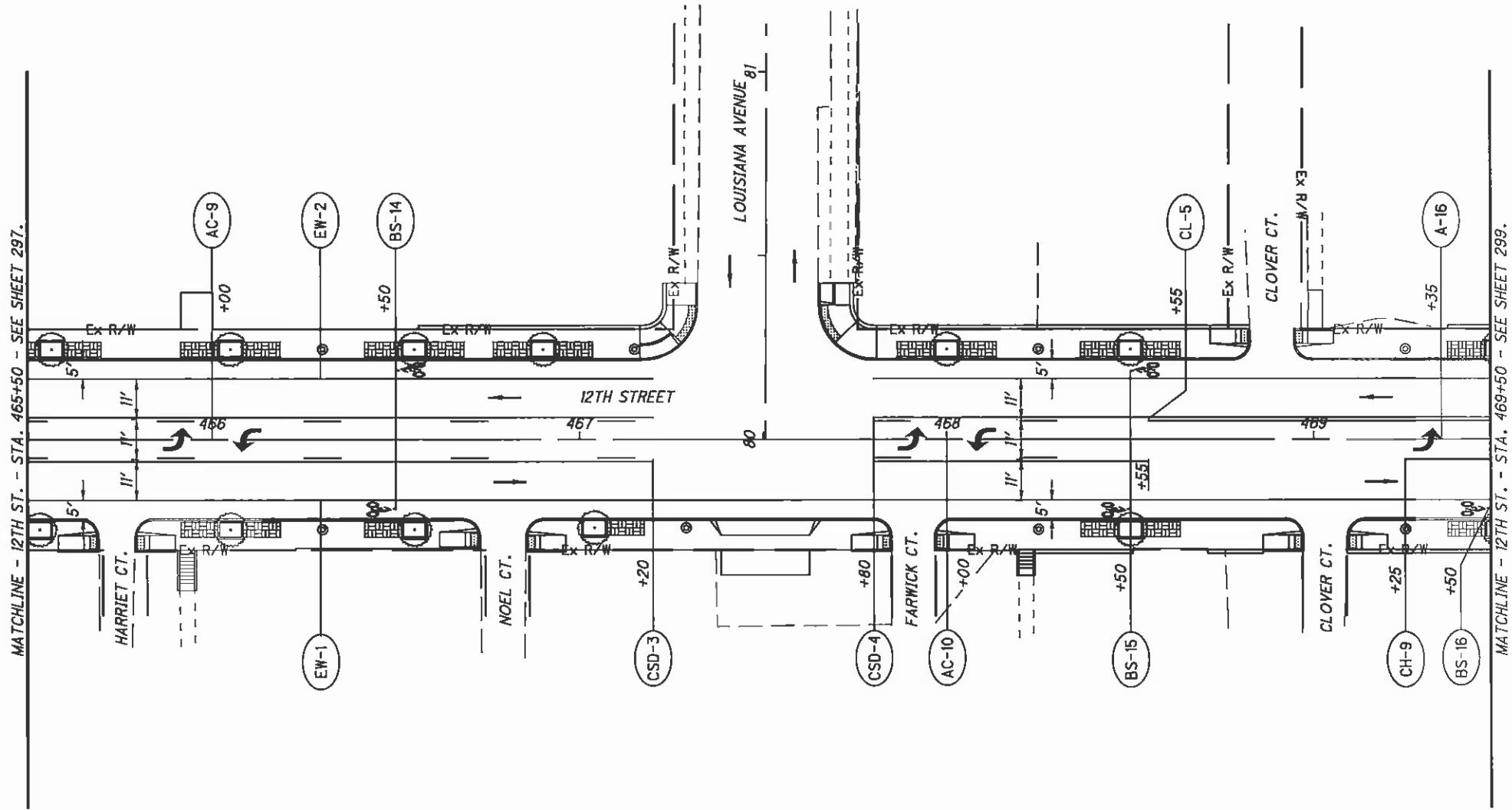


NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

CALCULATED	MAM
CHECKED	DLW

0 10 20 40  
 HORIZONTAL SCALE IN FEET

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 460+70 TO STA. 465+50**



NOTES:

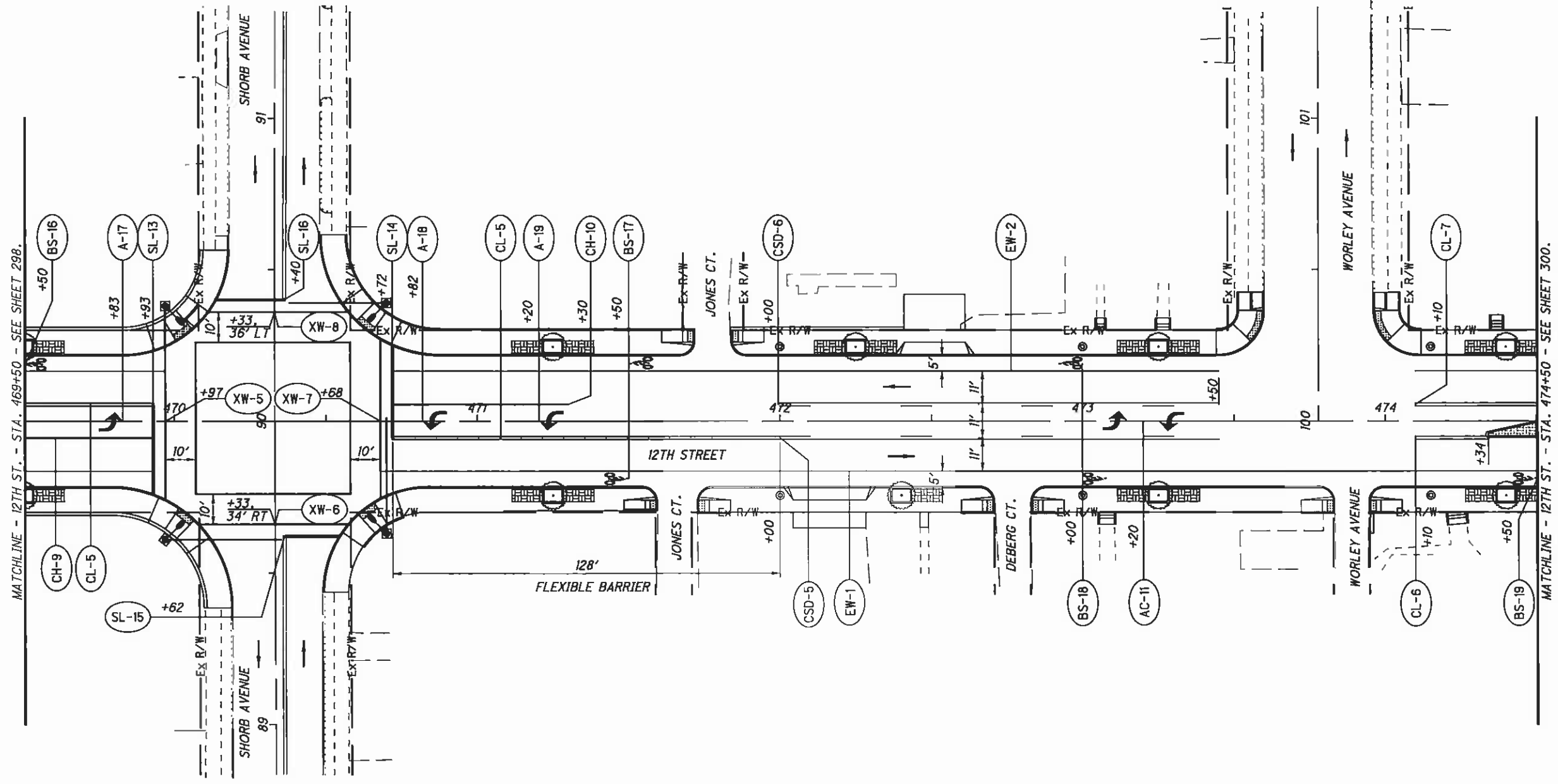
1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

STA-12TH STREET

SIGN AND PAVEMENT MARKING PLAN  
12TH ST. - STA. 465+50 TO STA. 469+50

CALCULATED  
MAM  
CHECKED  
DLW



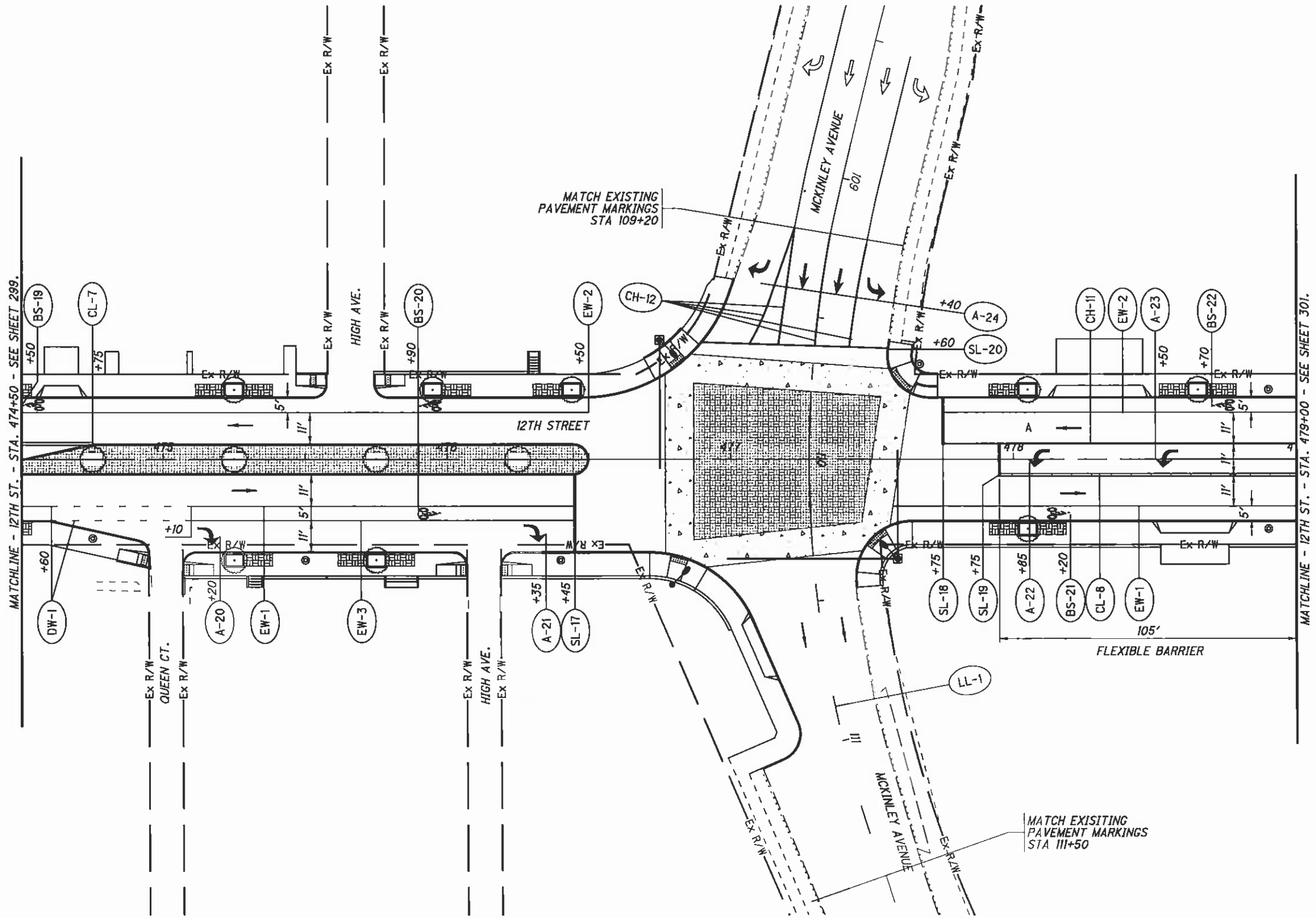


NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

CALCULATED	MAM
CHECKED	DLW

0 10 20 30  
 HORIZONTAL SCALE IN FEET

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 469+50 TO STA. 474+50**



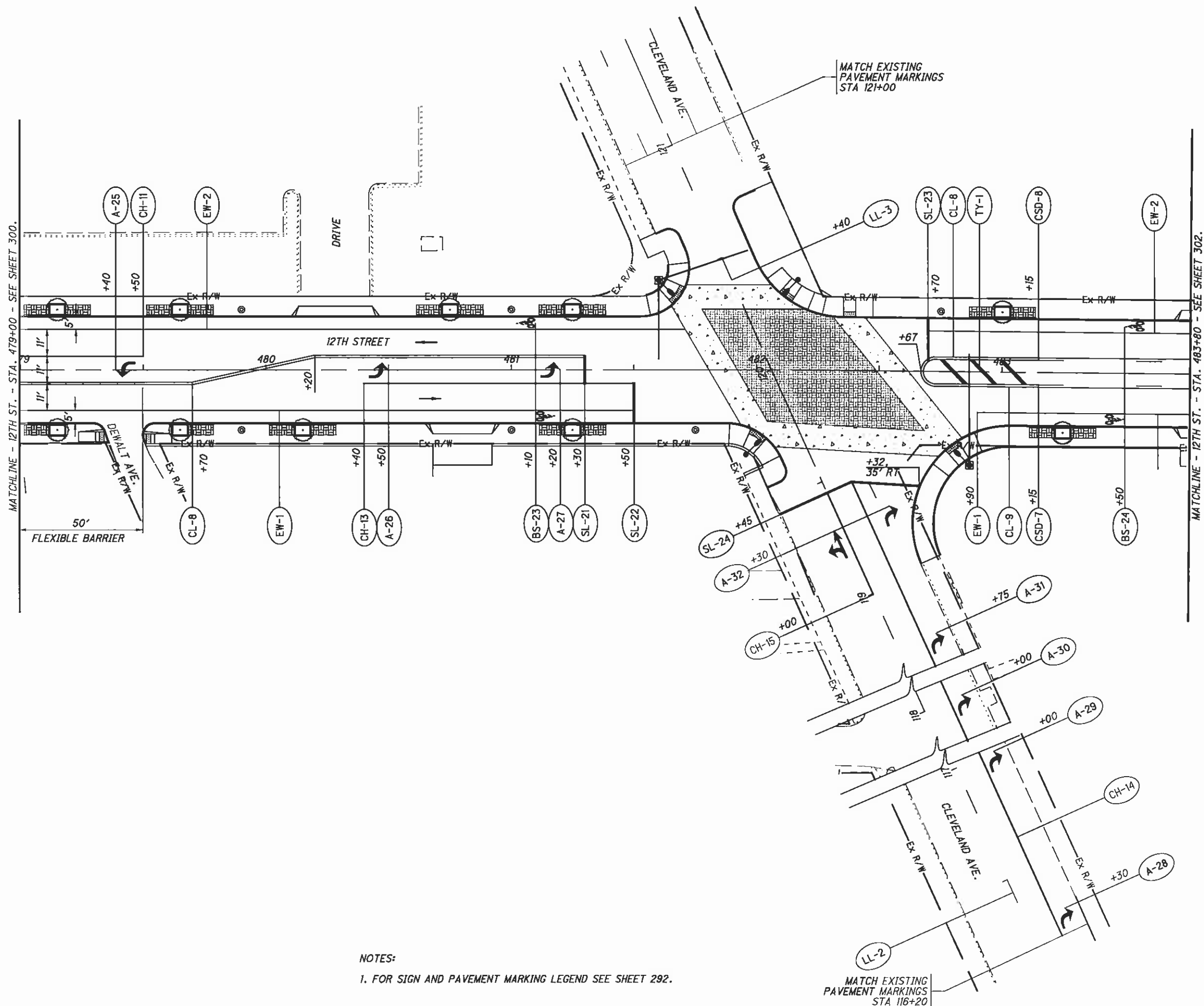
NOTES:

1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.



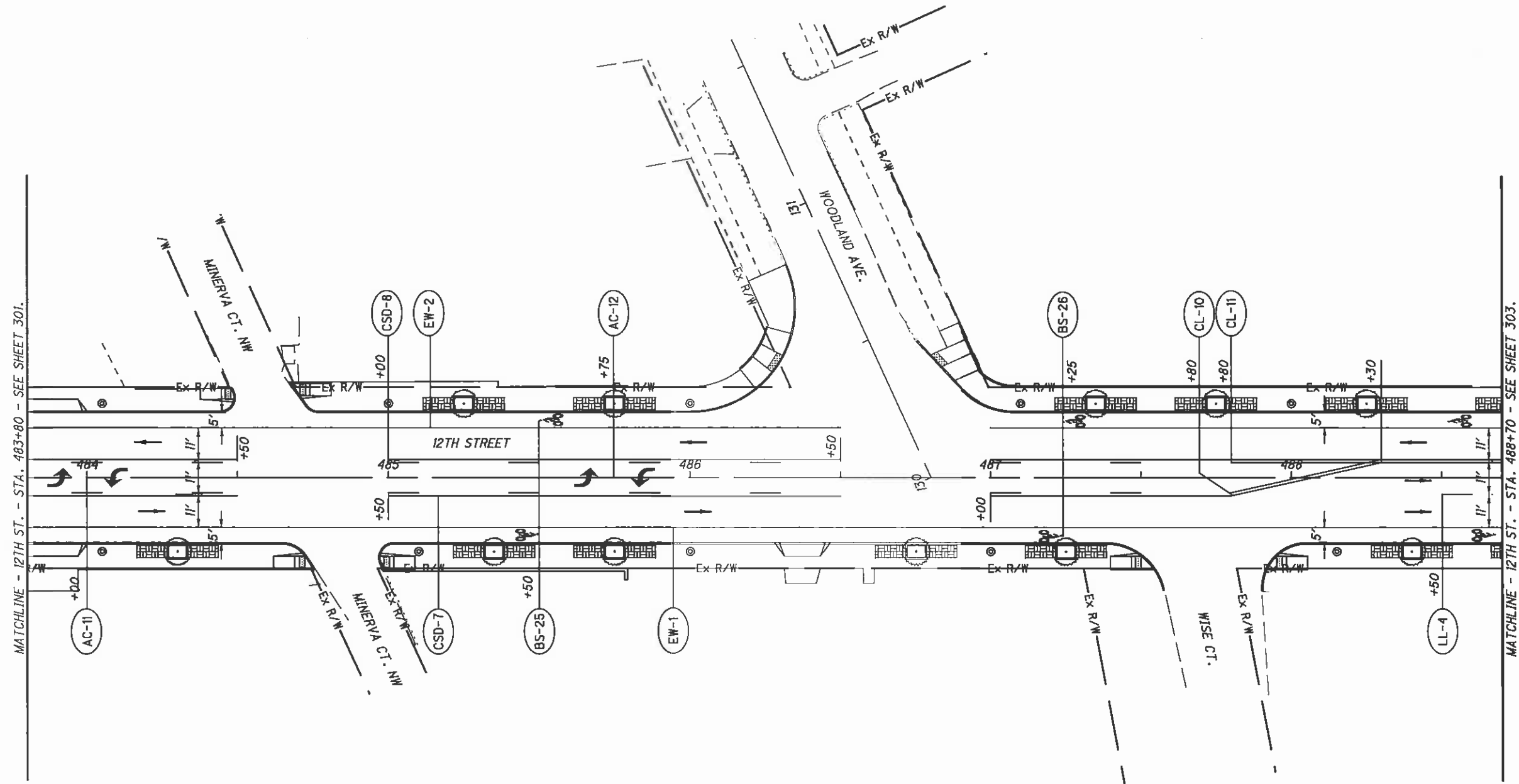
CALCULATED MAM  
CHECKED DLW

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 474+50 TO STA. 479+00**



NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

		CALCULATED MAM	CHECKED DLW
<b>SIGN AND PAVEMENT MARKING PLAN</b> <b>12TH ST. - STA. 479+00 TO STA. 483+80</b>			
<b>STA-12TH STREET</b>		303 317	



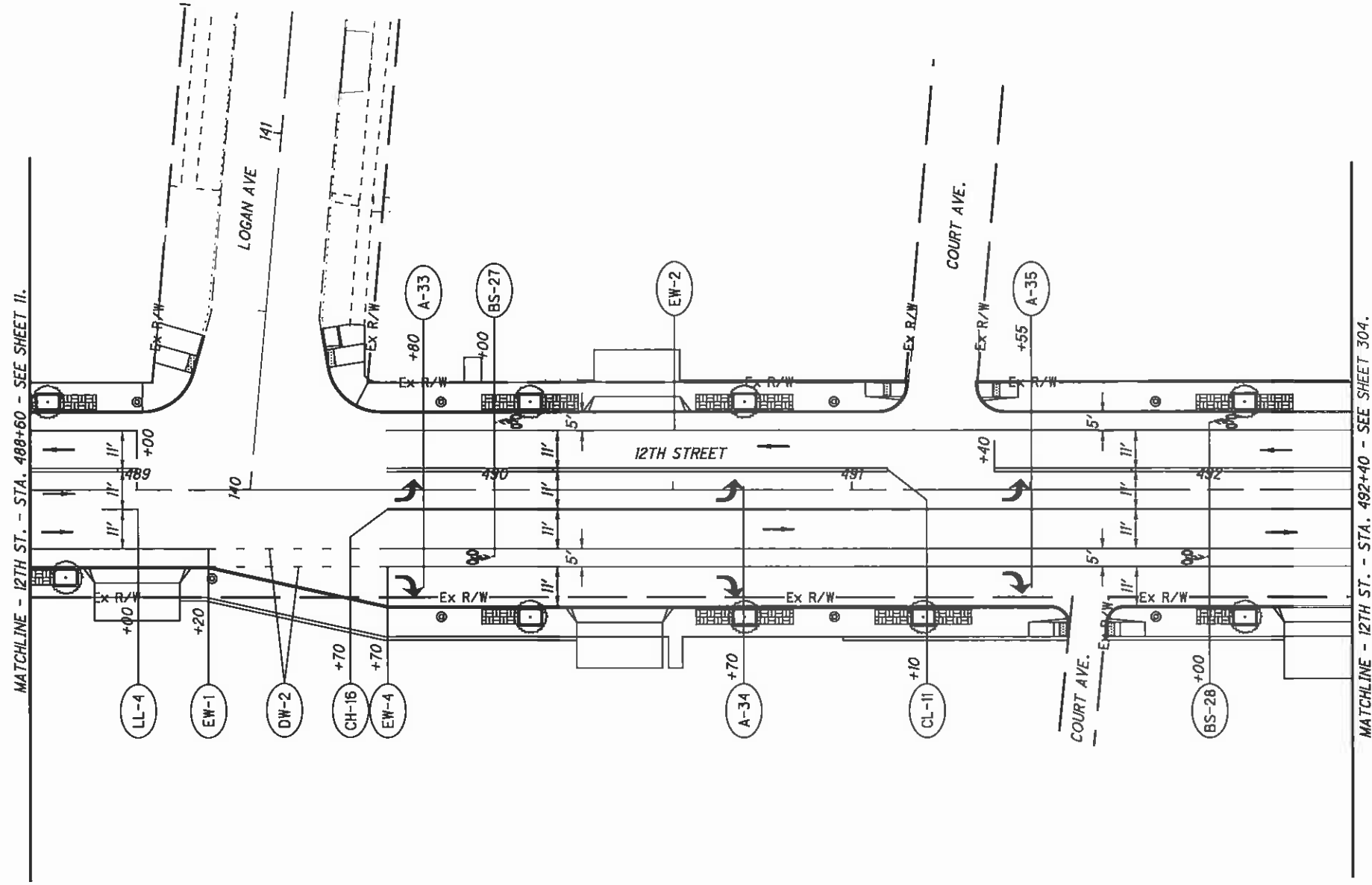
NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

CALCULATED	MAM
CHECKED	DLW

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 483+80 TO STA. 488+70**





NOTES:

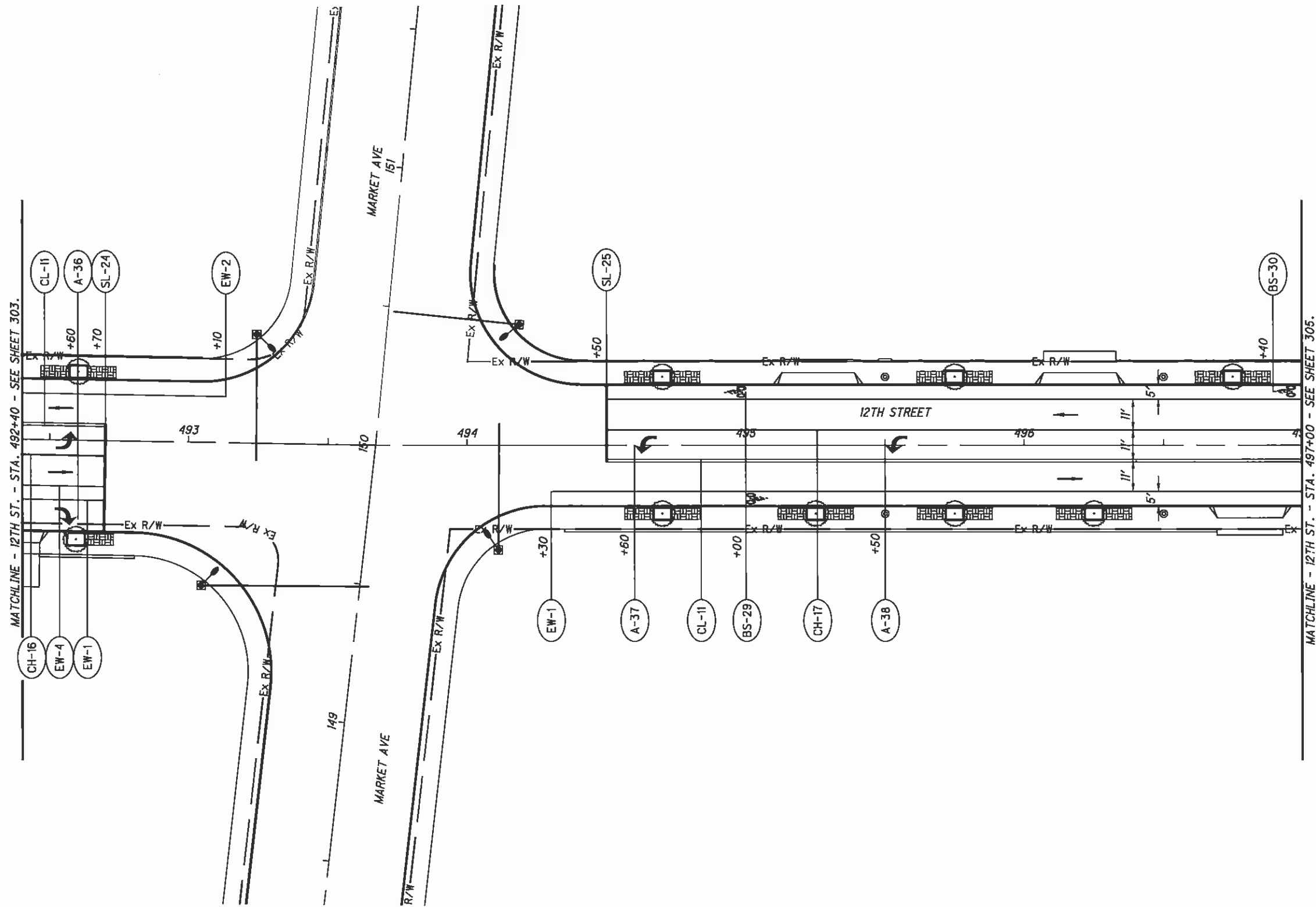
1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292

STA-12TH STREET

SIGN AND PAVEMENT MARKING PLAN  
12TH ST. - STA. 488+70 TO STA. 492+40

CALCULATED	MAM	CHECKED	DLW
------------	-----	---------	-----





- NOTES:
1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.
  2. FOR MARKET AVE SIGN AND PAYMENT MARKING PLANS SEE SHEETS .

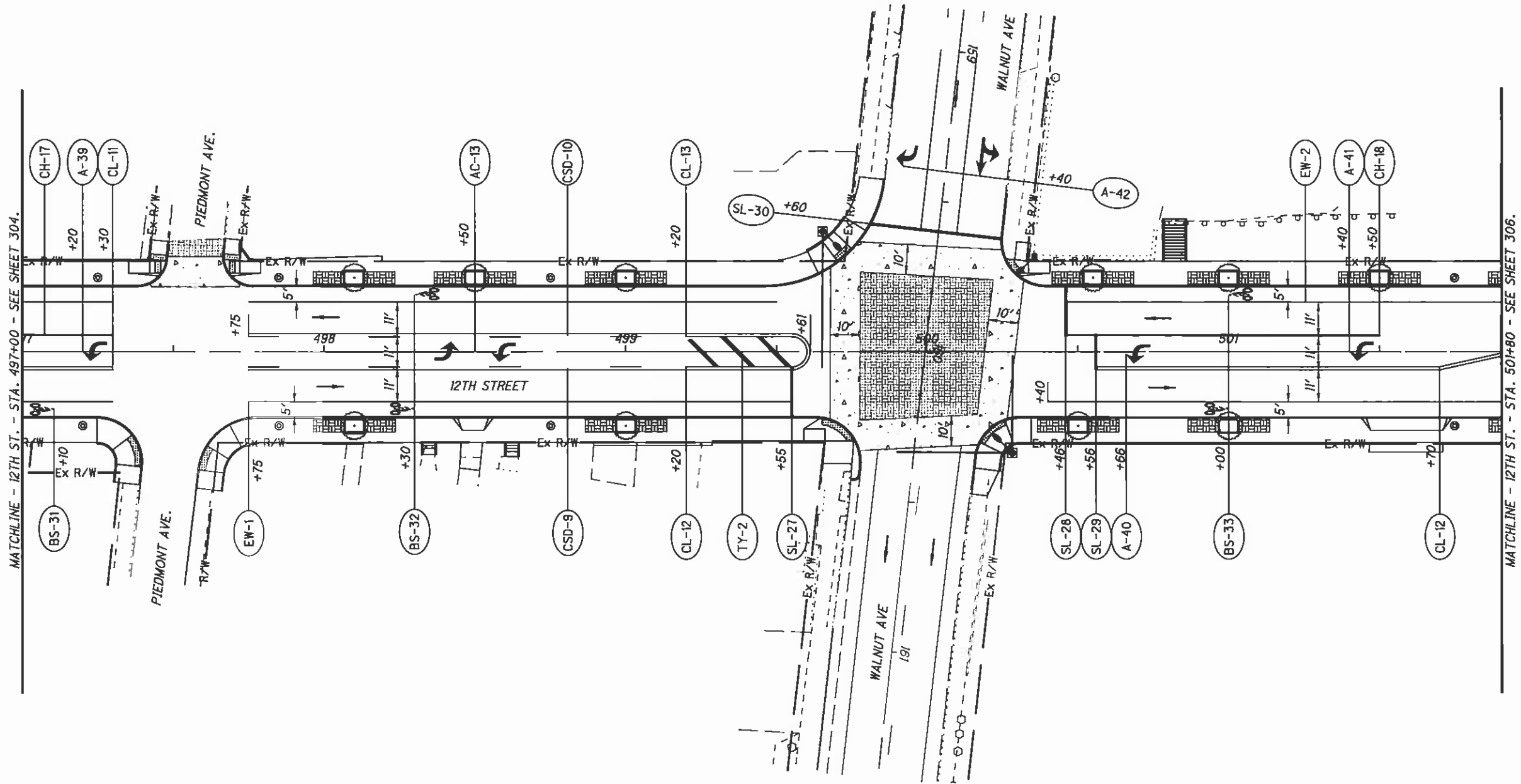


CALCULATED  
MAM  
CHECKED  
DLW

**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 492+40 TO STA. 497+00**

**STA-12TH STREET**

306  
317

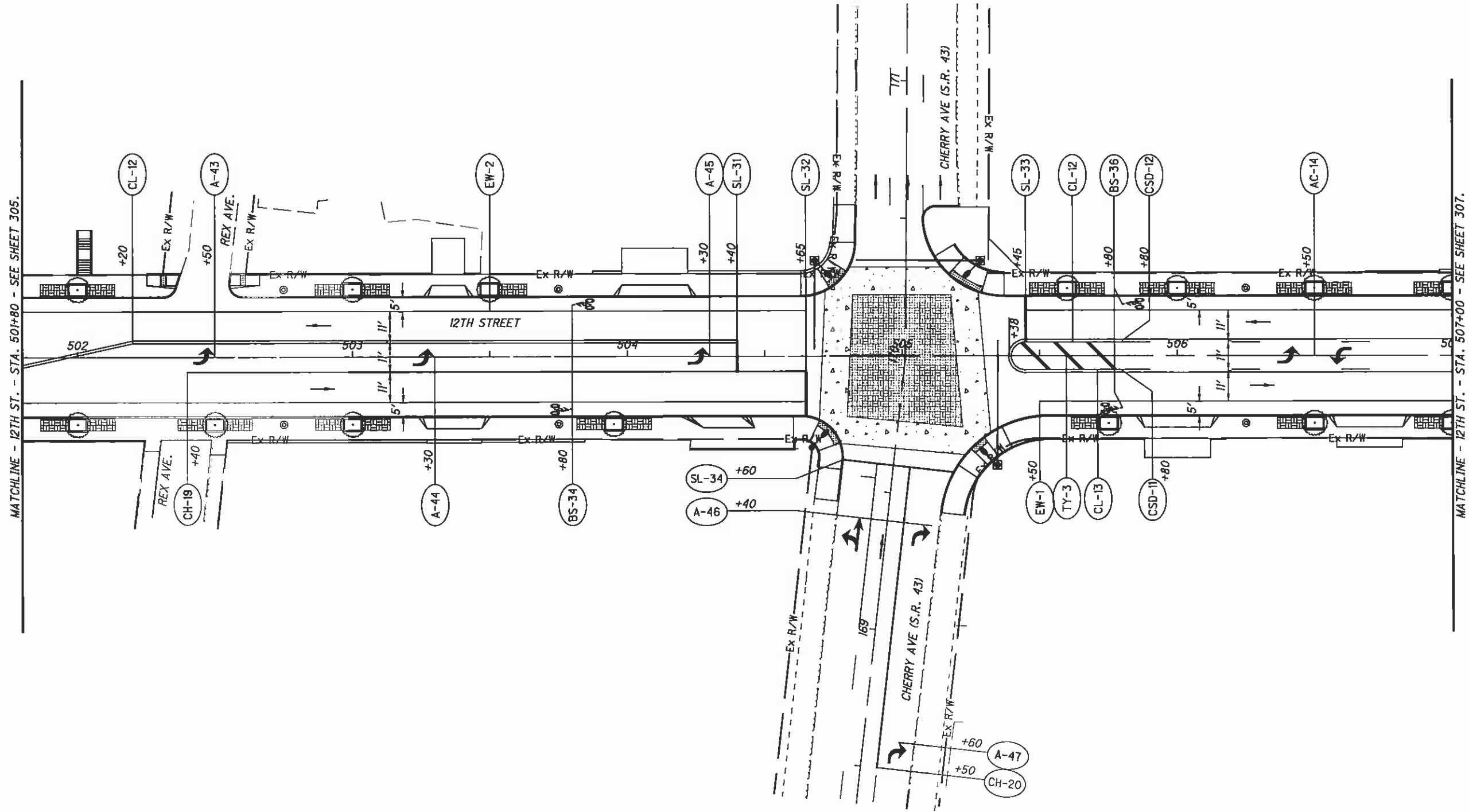


NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292

CALCULATED	MAM
CHECKED	DLW

0 10 20 40  
 HORIZONTAL SCALE IN FEET

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 497+00 TO STA. 501+80**

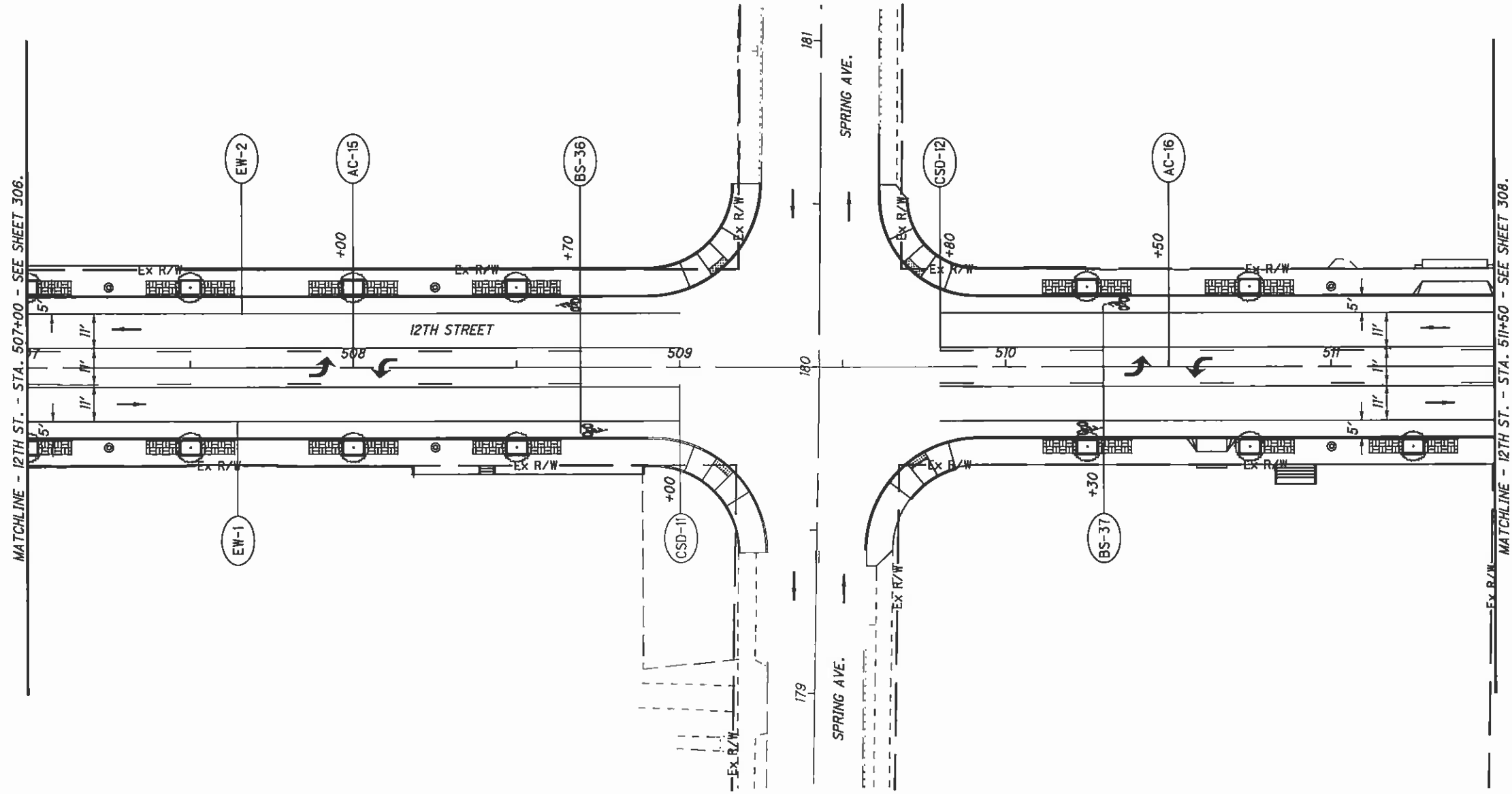


NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

CALCULATED	MAM
CHECKED	DLW

0 10 20 40  
 HORIZONTAL SCALE IN FEET

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 501+80 TO STA. 507+00**



NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

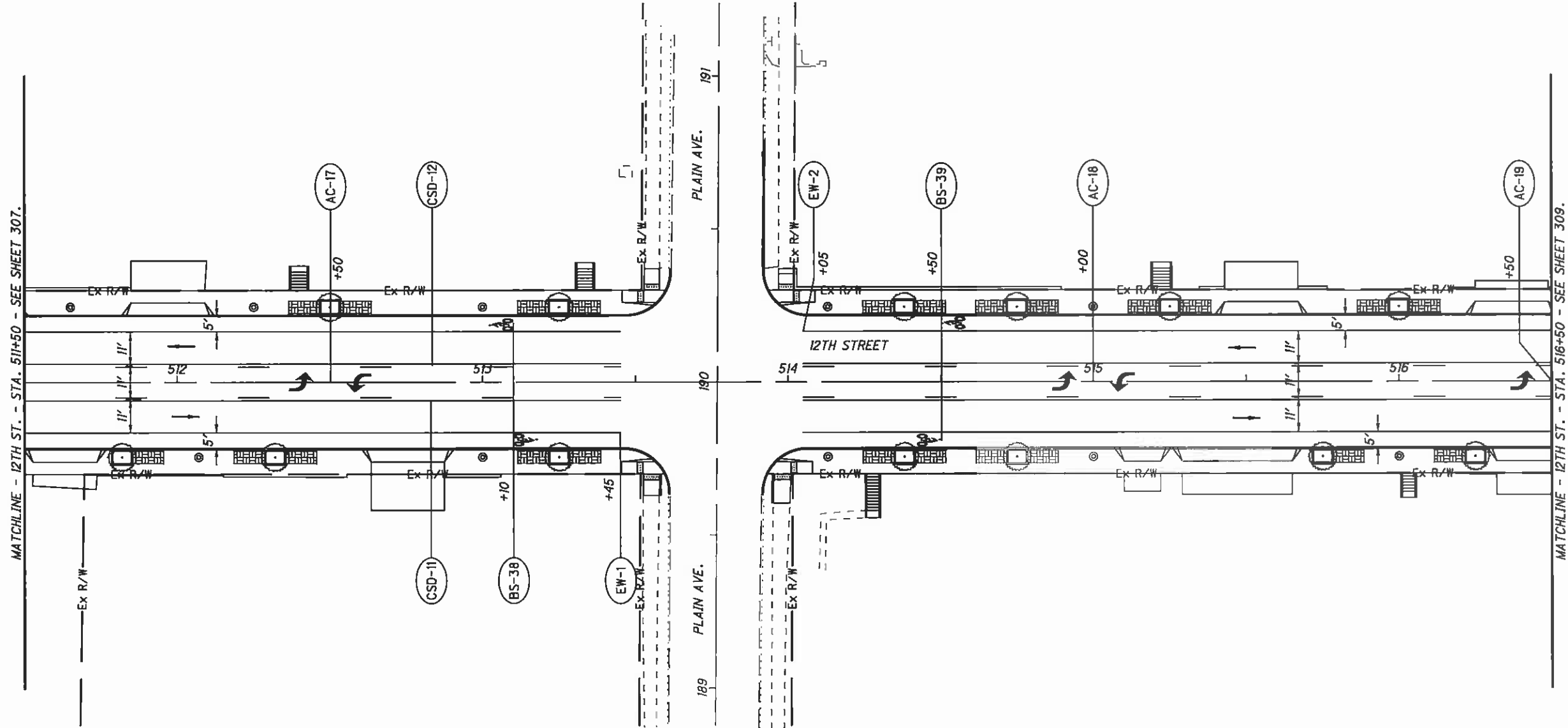


CALCULATED MAM  
 CHECKED DLW

**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 507+00 TO STA. 511+50**

**STA-12TH STREET**

309  
 317



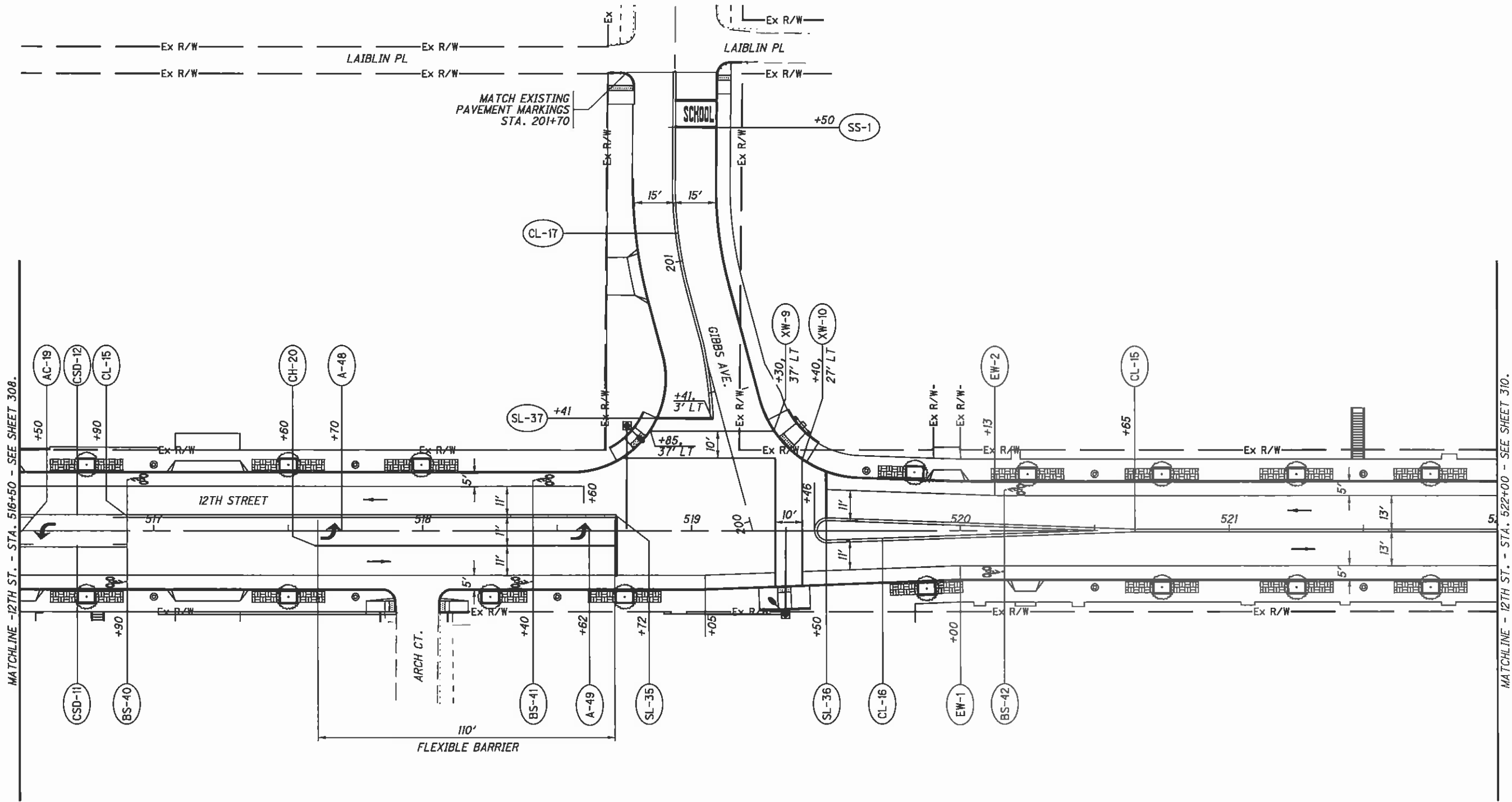
NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

CALCULATED	MAM
CHECKED	DLW

0 10 20  
 HORIZONTAL SCALE IN FEET

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 511+50 TO STA. 516+50**

J:\TSA\11-060 12th Street\STA\85299\traffic\sheets\85299(p1)B.dgn 10/7/2011 9:01:10 AM mmayer ODOTVBI\_PDF\_Half.plt ODOTVBI\_Pen-ME.tbl M-E Companies, Inc.



MATCHLINE - 12TH ST. - STA. 516+50 - SEE SHEET 308.

MATCHLINE - 12TH ST. - STA. 522+00 - SEE SHEET 310.

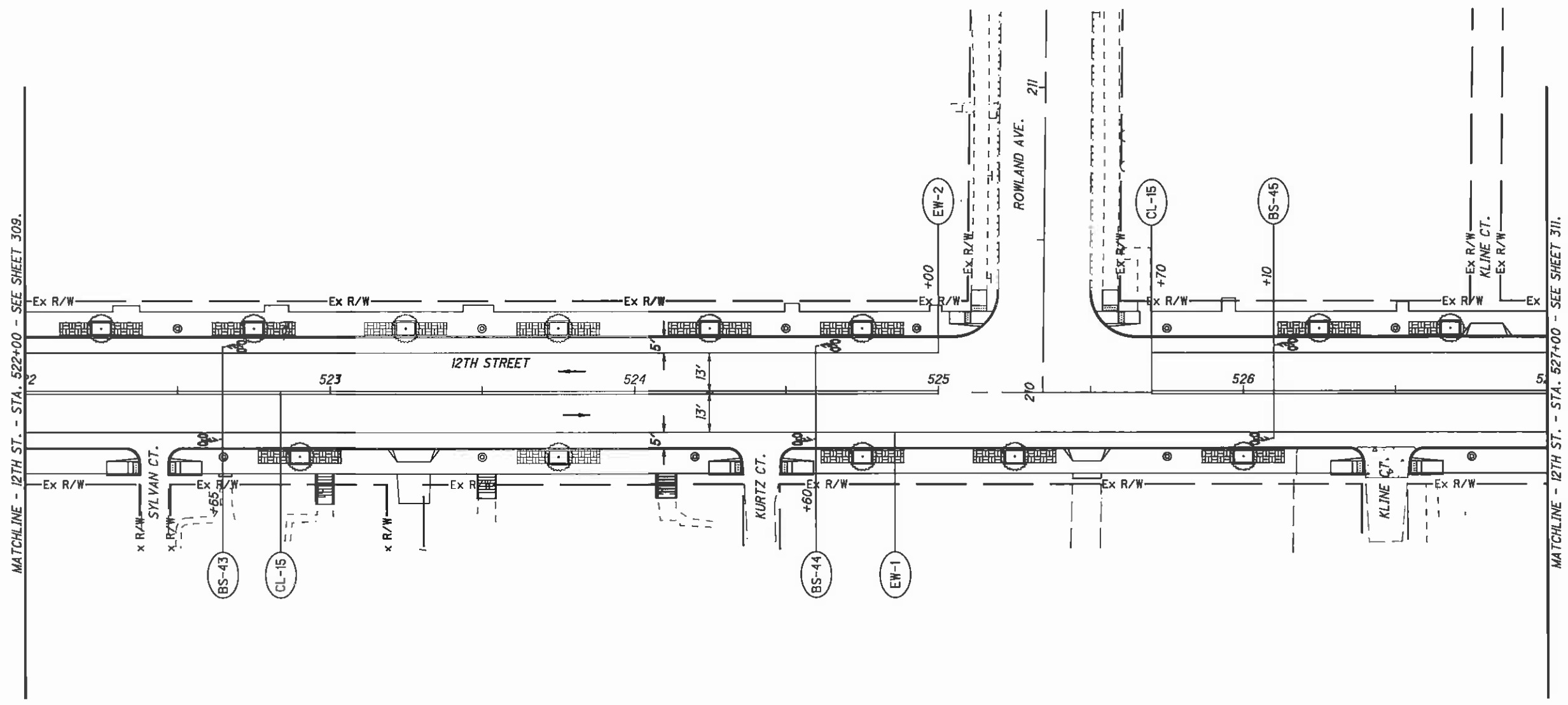
NOTES:

1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

CALCULATED	MAM
CHECKED	DLW

0 10 20 40  
HORIZONTAL SCALE IN FEET

STA-12TH STREET  
SIGN AND PAVEMENT MARKING PLAN  
12TH ST. - STA. 516+50 TO STA. 522+00



NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

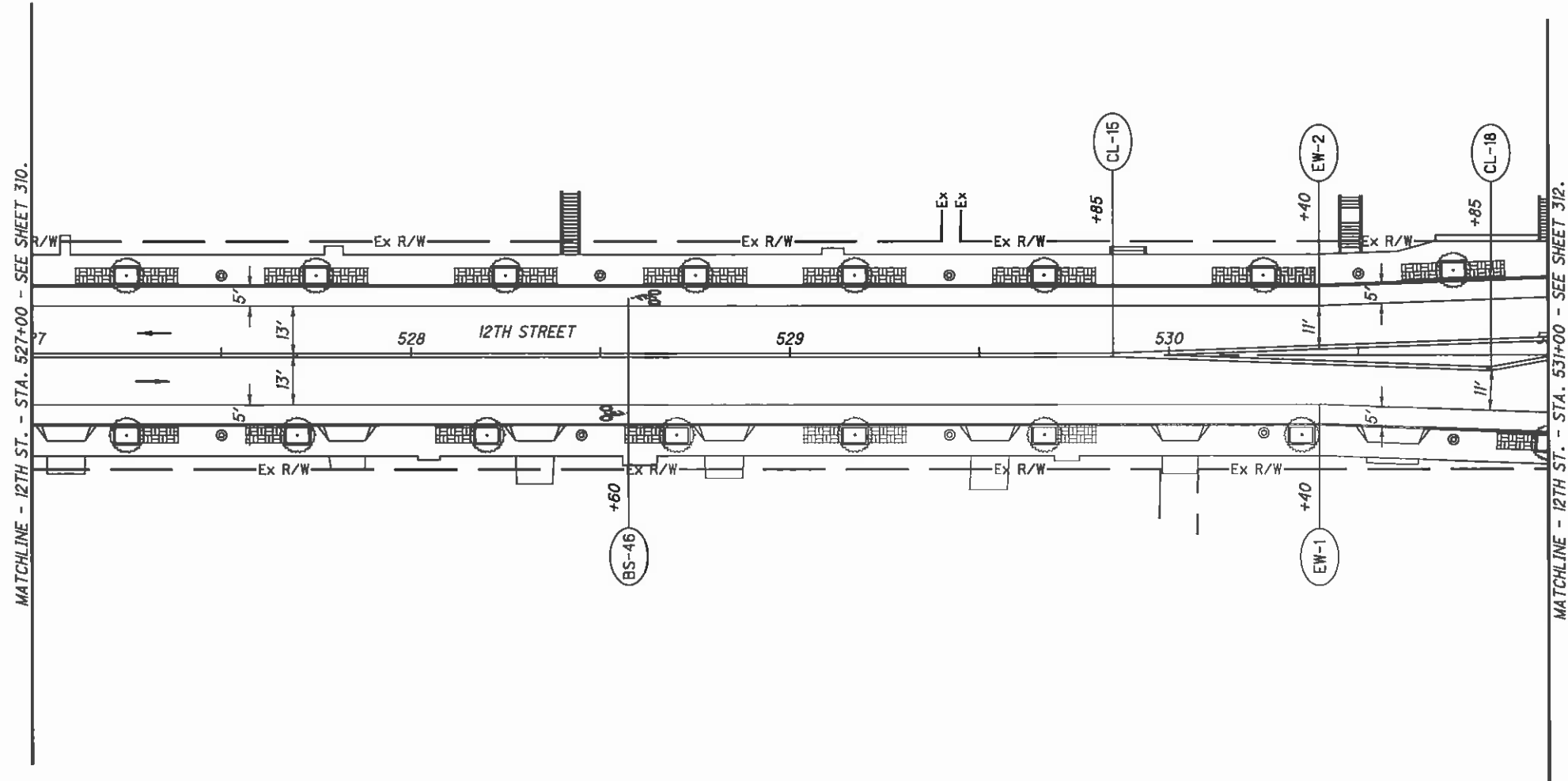
CALCULATED MAM  
 CHECKED DLW

0 10 20 40  
 HORIZONTAL SCALE IN FEET

**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 522+00 TO STA. 527+00**

**STA-12TH STREET**



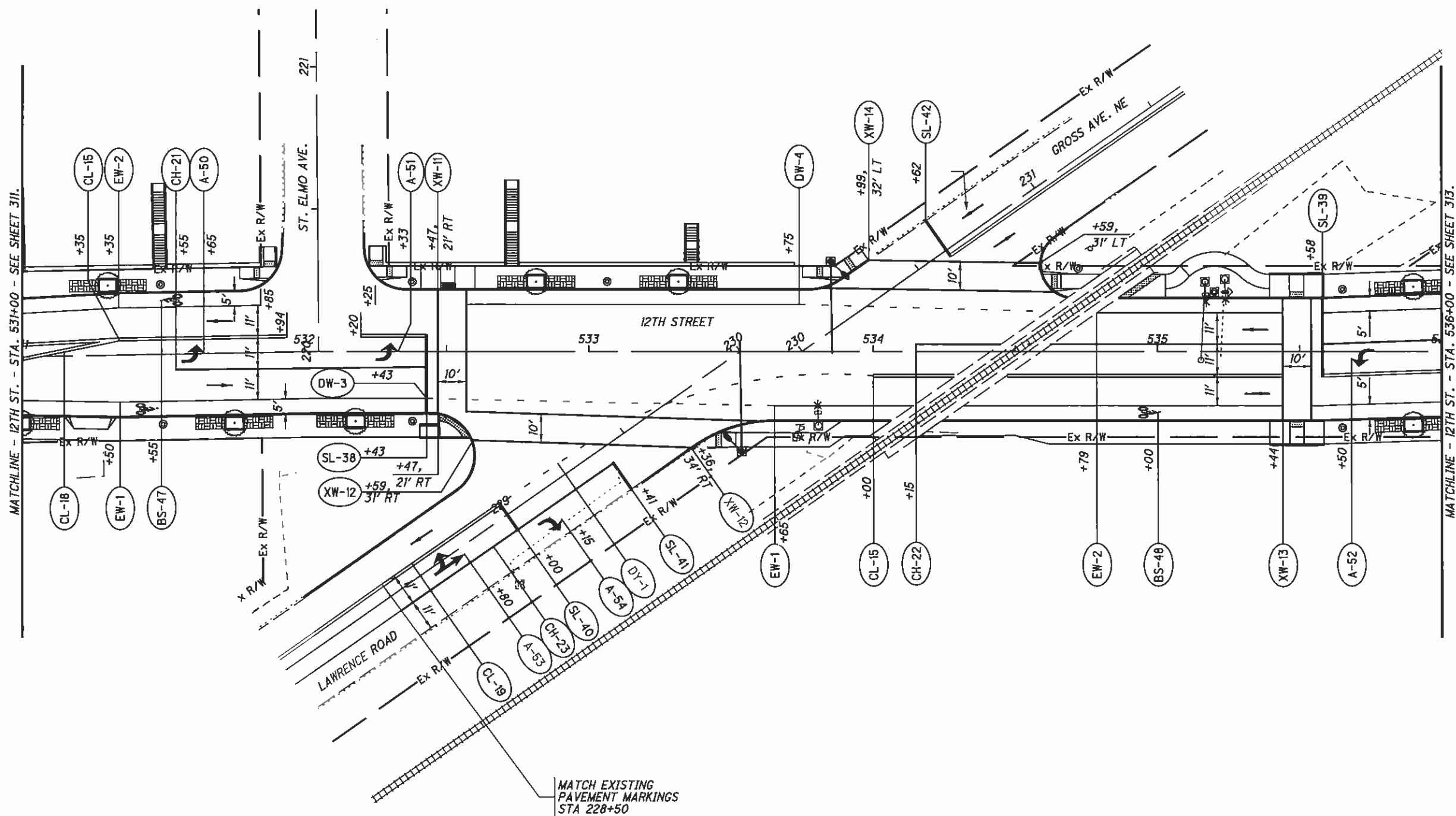


NOTES:  
 1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

CALCULATED	MAM
CHECKED	DLW

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**STA-12TH STREET**  
**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 527+00 TO STA. 531+00**



NOTES:

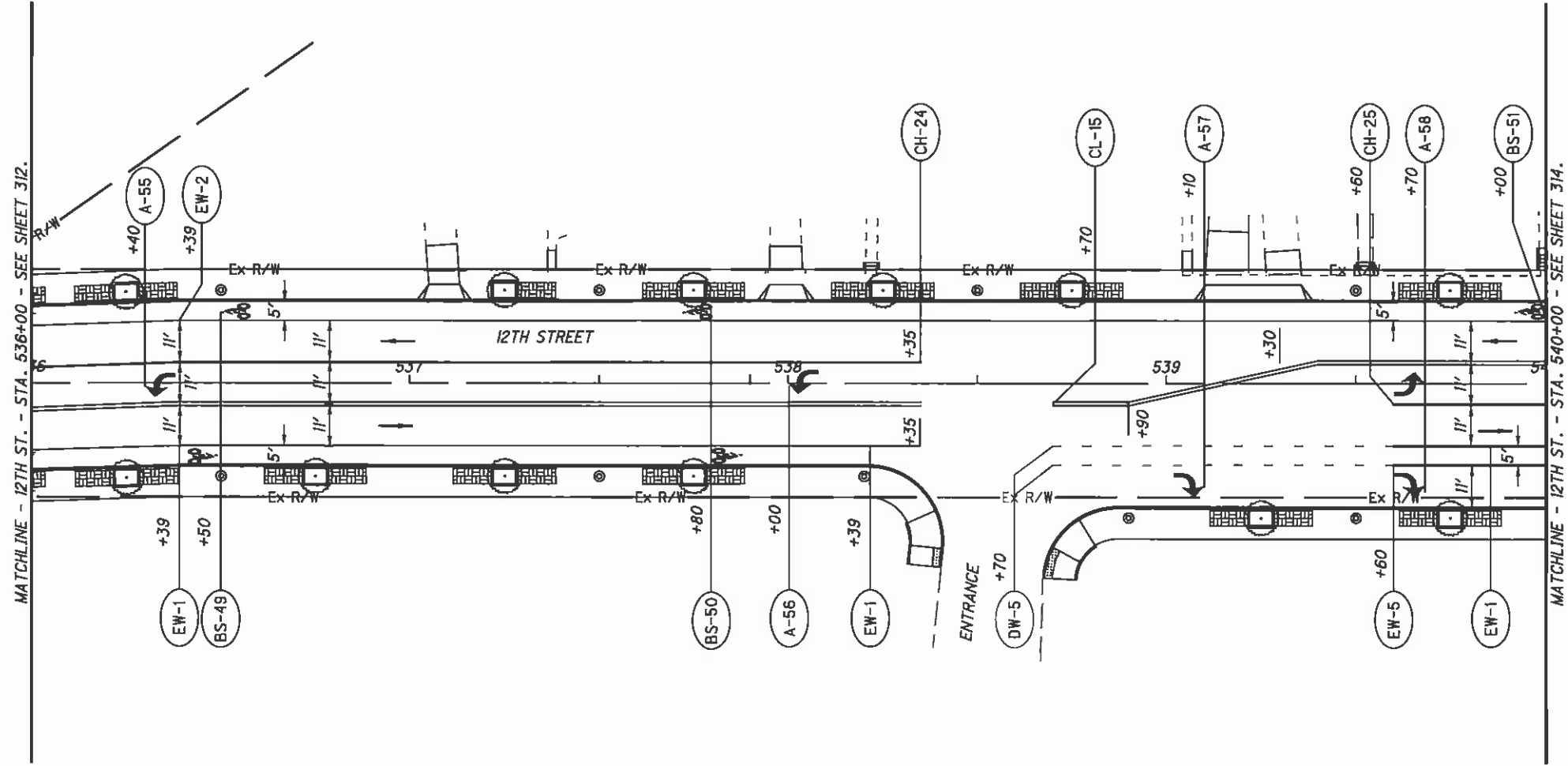
1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

CALCULATED MAM  
CHECKED DLW

0 10 20 40  
HORIZONTAL SCALE IN FEET

**SIGN AND PAVEMENT MARKING PLAN**  
**12TH ST. - STA. 531+00 TO STA. 536+00**

**STA-12TH STREET**



NOTES:

1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

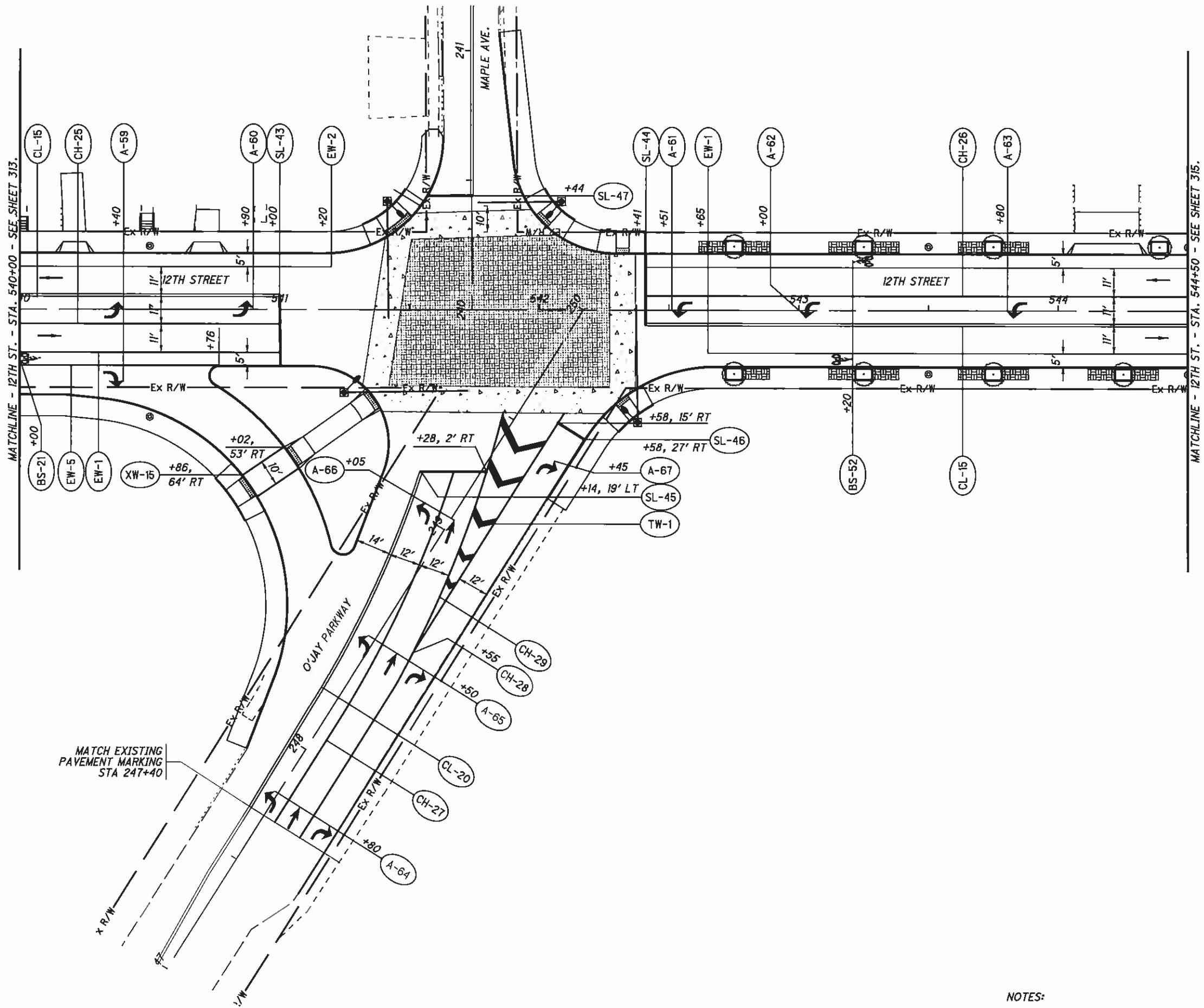
STA-12TH STREET

SIGN AND PAVEMENT MARKING PLAN  
12TH ST. - STA. 536+00 TO STA. 540+00

315  
317

CALCULATED	MAM
CHECKED	DLW





MATCH EXISTING PAVEMENT MARKING STA 247+40

NOTES:  
1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.

STA-12TH STREET

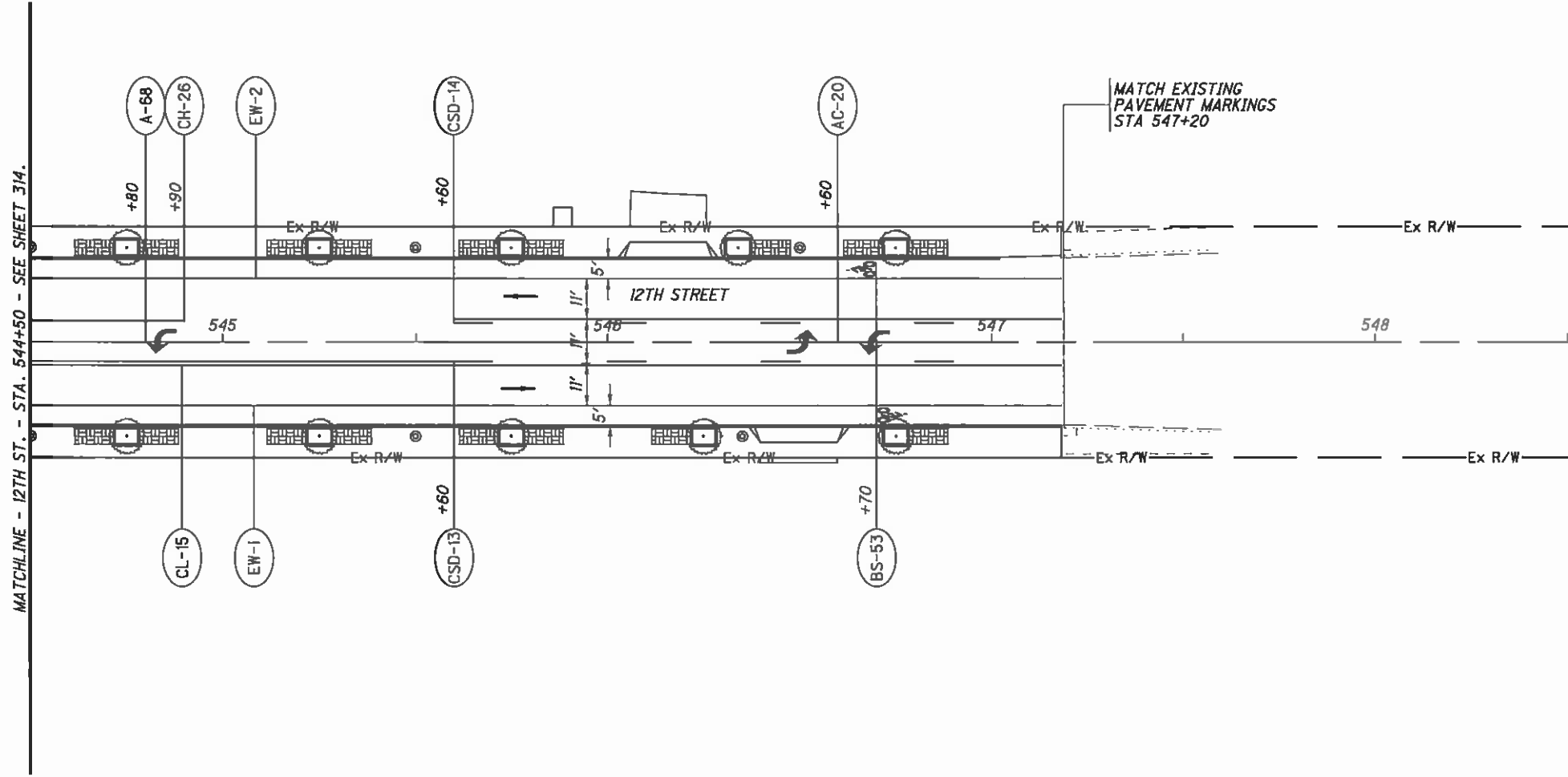
SIGN AND PAVEMENT MARKING PLAN  
12TH ST. - STA. 540+00 TO STA. 544+50

316  
317

CALCULATED MAM  
CHECKED DLW

HORIZONTAL SCALE IN FEET  
1" = 40'

N



MATCH EXISTING PAVEMENT MARKINGS STA 547+20

NOTES:

1. FOR SIGN AND PAVEMENT MARKING LEGEND SEE SHEET 292.



0 10 20  
HORIZONTAL SCALE IN FEET

CALCULATED  
MAM  
CHECKED  
DLW

SIGN AND PAVEMENT MARKING PLAN  
12TH ST. - STA. 544+50 TO STA. 548+50

STA-12TH STREET

317  
317