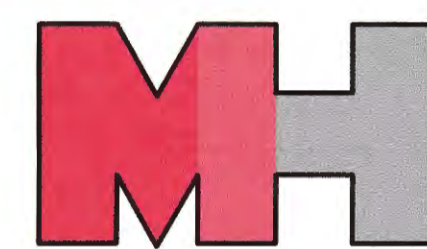


Repair Paving / Infrastructure and Stone Wall

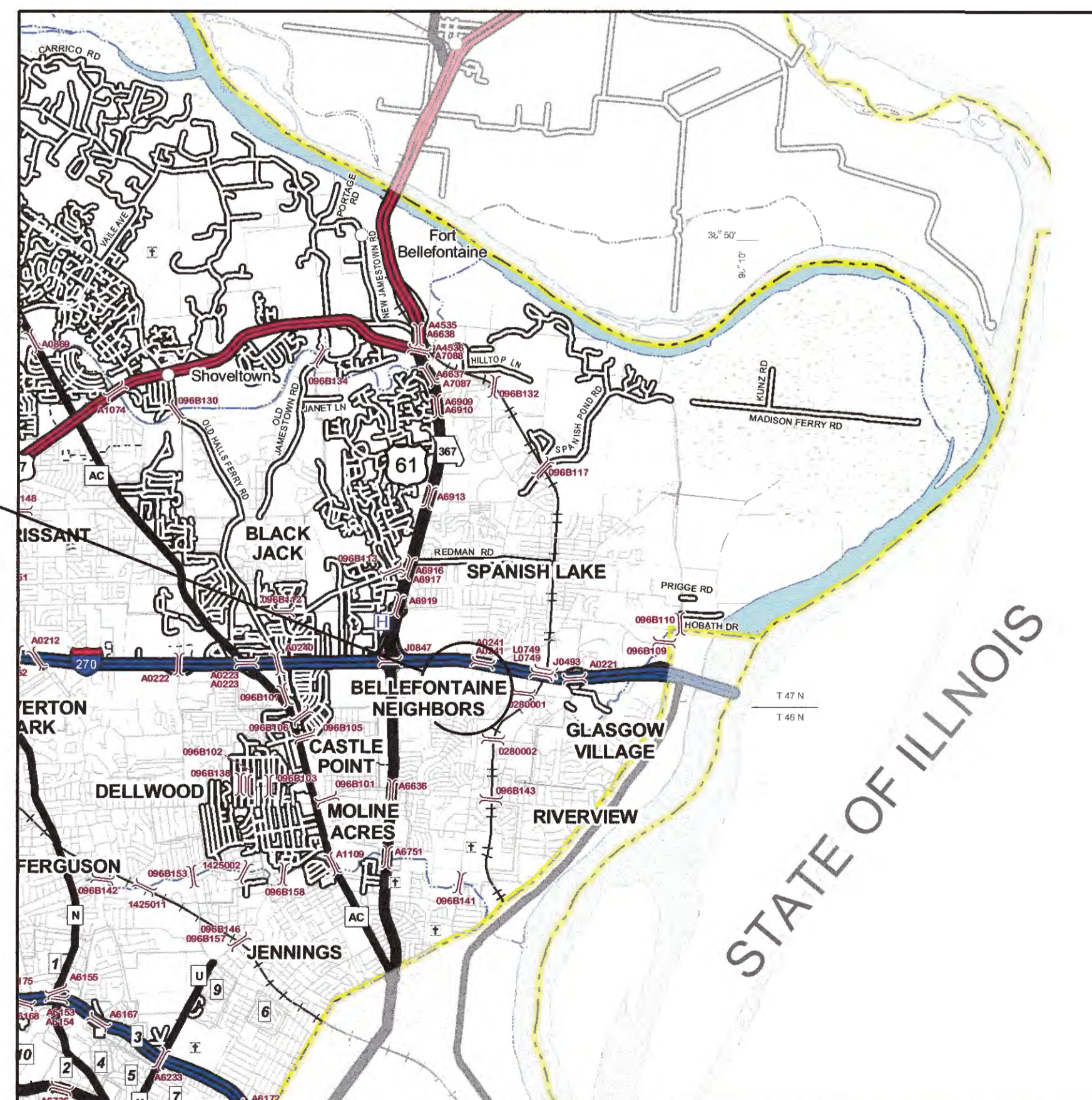
Bellefontaine Habilitation Center

10695 Bellefontaine Road, Saint Louis County, Missouri



MECO-HENEGHAN ENGINEERS, LLC
 www.meco-heneghan.com
 DESIGN FIRM NUMBER:
 MO: 2018004041 EXPIRES: DECEMBER 31, 2020

OFFICE LOCATION:
 400 N. FIFTH STREET
 SUITE 107
 ST. CHARLES, MO 63301
 P: (636) 395-7055



LOCATION MAP

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
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G-002	SHEET LAYOUT PLAN & GENERAL NOTES
G-003	PROJECT SEQUENCING PLAN
G-004	TRAFFIC CONTROL PLAN / SIGNAGE & CONTROL DEVICES
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C-102	PARKING LOT NO. 2 IMPROVEMENT & MARKING PLANS
C-103	PARKING LOT NO. 3 IMPROVEMENT PLAN
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C-115	VILLAGE PARK LN. IMPROVEMENT PLAN
C-116	DRIVEWAY IMPROVEMENT PLANS (1600 SERIES)
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C-118	WEST WALKING PATH & SIDEWALK IMPROVEMENT PLAN
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C-501	ENTRANCE WALL PHOTOGRAPHS & DETAILS
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C-503	EROSION CONTROL / PAVEMENT SECTIONS & SIDEWALK DETAILS

OWNER: STATE OF MISSOURI
 MICHAEL L. PARSON, GOVERNOR

MISSOURI DEPARTMENT OF
 MENTAL HEALTH

PROJECT MANAGEMENT: OFFICE OF ADMINISTRATION
 DIVISION OF FACILITIES MANAGEMENT,
 DESIGN AND CONSTRUCTION

DESIGNER: MECO-HENEGHAN ENGINEERS, LLC

PROJECT NUMBER: M1904-01

SITE NUMBER: 7356

ASSET NUMBER: 6517356071

MISSOURI STATE CERTIFICATE OF AUTHORITY: E-2018004041



SHEET NUMBER:

G-001

1 OF 28 SHEETS
 JULY 10, 2023



GENERAL NOTES

1. TREES AND SHRUBS: ALL TREES WITHIN THE GRADING LIMITS SHALL BE PROTECTED FROM DAMAGE WITH CONSTRUCTION FENCING UNLESS SPECIFICALLY NOTED TO BE REMOVED.
2. ALL EXISTING IMPROVEMENTS IN CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF AWAY FROM THE SITE.
 - A. THIS WORK SHALL CONSIST OF REMOVING PAVEMENTS, SURFACING AND BASE COURSES OF ALL TYPES, PARKING BLOCKS, WHEEL STOPS, OBJECTS AND OTHER EXISTING IMPROVEMENTS, WHICH CONFLICT WITH THE WORK.
 - B. OLD PAVEMENTS OR OTHER OBSTRUCTIONS TO THE CONSTRUCTION OF THE PAVEMENTS AND NOT DESIGNATED OR PERMITTED TO REMAIN SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
 - C. IN REMOVING PAVEMENT AND OTHER SIMILAR IMPROVEMENTS AND WHERE A PORTION OF SUCH IMPROVEMENTS IS TO BE LEFT IN PLACE, THEY SHALL BE REMOVED TO AN EXISTING JOINT. SUFFICIENT REMOVAL SHALL BE MADE TO PROVIDE FOR PROPER GRADE AND CONNECTIONS IN THE NEW WORK, WHICH MAY BE INDICATED ON THE PLANS.
3. DIMENSIONS ON DRAWINGS ARE GENERALLY BASED UPON TOPOGRAPHIC SURVEYS. THE CONTRACTOR SHALL DETERMINE THE ACTUAL AMOUNT OF WORK, AND MAY WISH TO VERIFY DIMENSIONS, FOR HIS BID AND CONSTRUCTION PURPOSED. NO CHANGE IN CONTRACT PRICE WILL BE MADE FOR DISCREPANCIES BETWEEN ACTUAL AND SCALED DIMENSIONS.
4. THE CONTRACTOR SHALL USE CARE NOT TO SPLASH TACK OR SEAL COAT, OR OTHER ASPHALT MATERIALS ON CONCRETE SURFACES INCLUDING, BUT NOT LIMITED TO, CURB AND GUTTERS, WHEEL STOPS, OR CONCRETE DRIVES.
5. THE CONTRACTOR WILL SUPPLY ADDITIONAL PARKING BLOCKS WHERE NOTED ON THE DRAWINGS. THE CONTRACTOR SHALL DISPOSE OF DAMAGED PARKING BLOCKS OFF THE OWNERS PROPERTY. ANY EXCESS PARKING BLOCKS IN GOOD SHAPE SHALL BE DELIVERED TO THE OWNER AT A LOCATION DESIGNATED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL TAKE CARE IN TRANSPORTING ANY EXCESS BLOCKS. ANY PARKING BLOCK DAMAGED DURING TRANSPORTATION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
6. CONTRACTOR SHALL PROVIDE SIGNAGE, BARRICADES AND / OR FLAGMEN, IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES DURING CONSTRUCTION OF IMPROVEMENTS. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE ENGINEER AND OWNER PRIOR TO CONSTRUCTION ON A PARTICULAR LOT. THE ENGINEER OR OWNER MAY MODIFY THE TRAFFIC CONTROL PLAN AT NO ADDITIONAL COST TO THE PROJECT.
7. THE COORDINATES FOR THE FAILED AREAS ARE PROVIDED TO SHOW GENERAL LOCATIONS ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE OWNERS REPRESENTATIVE.
8. THE CONTRACTOR SHALL COORDINATE THE STRIPING ON THE LOTS WITH THE OWNER AND OWNER'S REPRESENTATIVE.

CONTROL POINT LAYOUT INFORMATION				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
10001	CONTROL POINT #1 (SET 5/8" REBAR)	1067794.8074	897719.3685	524.167
10002	CONTROL POINT #2 (SET 5/8" REBAR)	1067802.6304	897999.8085	523.241
10010	CONTROL POINT #3 (FD. PIN w/ CAP)	1069048.7600	897783.8099	527.467
10011	CONTROL POINT #4 (FD. PIN w/ CAP)	1069046.4710	898186.2796	528.199

UNDERGROUND UTILITY NOTE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS THE EXISTENCE OF WHICH IS AT PRESENT NOT KNOWN. VERIFICATION OF THE LOCATIONS OF UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, WILL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR.



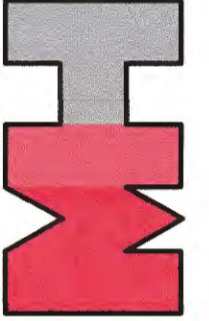
STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



SCOTT E. VOGLER
PROFESSIONAL ENGINEER
LICENSE NO. E-22510

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ENGINEERS, LLC
WWW.MECO-HENEHAN.COM
INC. 2018/000001 EXPIRES DECEMBER 31, 2020



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI DEPARTMENT
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REPAIR PAVING /
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AND STONE WALL

BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
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ISSUE DATE: 07/10/2023

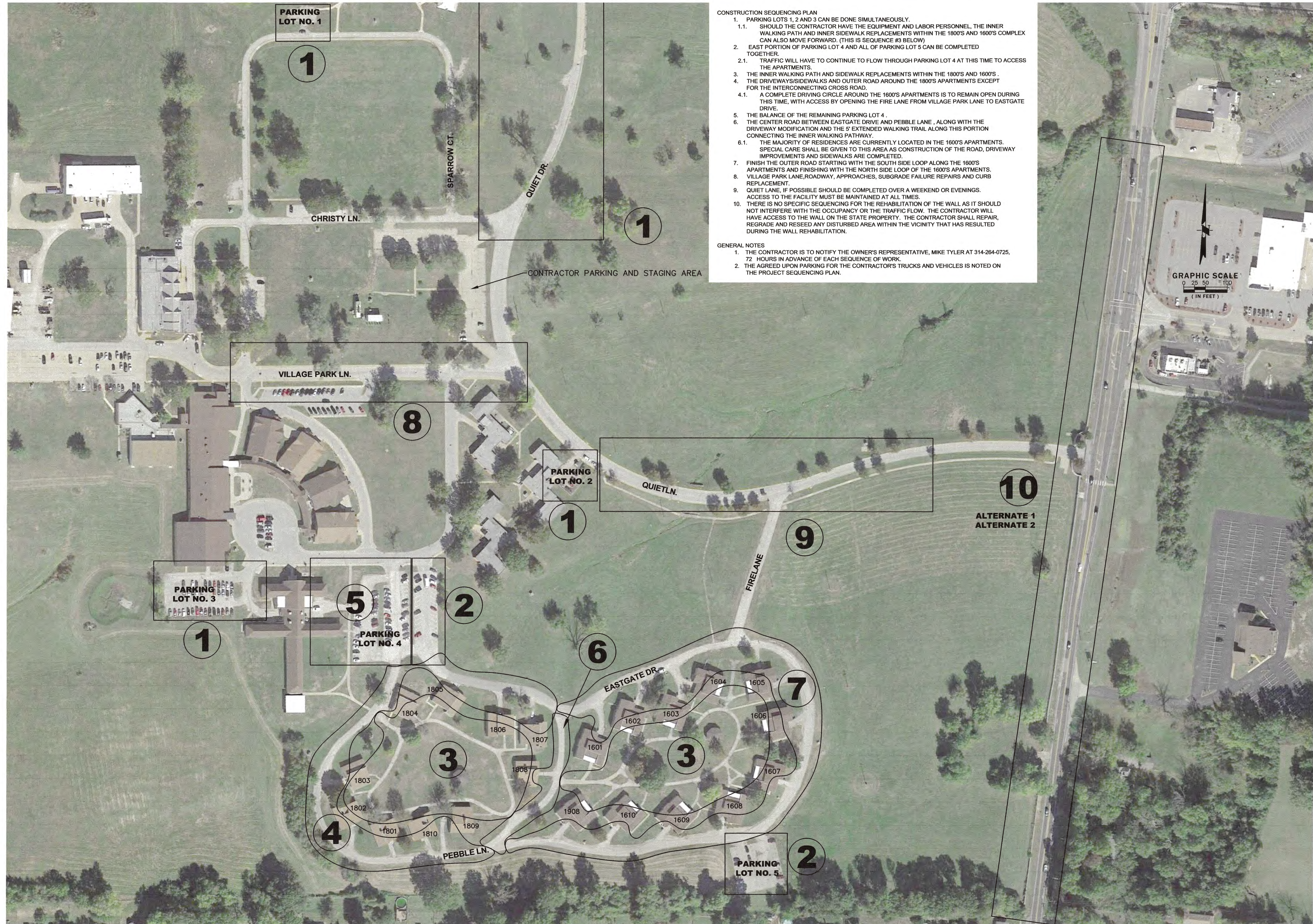
CAD DWG FILE: 801001SHTINDEX
DRAWN BY: R.HAYES/LONG
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

SHEET TITLE:
SHEET LAYOUT PLAN
& GENERAL NOTES

SHEET NUMBER:

G-002

SHEET 2 OF 28
JULY 10, 2023



CONSTRUCTION SEQUENCING PLAN

- PARKING LOTS 1, 2 AND 3 CAN BE DONE SIMULTANEOUSLY.
 - SHOULD THE CONTRACTOR HAVE THE EQUIPMENT AND LABOR PERSONNEL, THE INNER WALKING PATH AND INNER SIDEWALK REPLACEMENTS WITHIN THE 1800'S AND 1600'S COMPLEX CAN ALSO MOVE FORWARD. (THIS IS SEQUENCE #3 BELOW)
- EAST PORTION OF PARKING LOT 4 AND ALL OF PARKING LOT 5 CAN BE COMPLETED TOGETHER.
 - TRAFFIC WILL HAVE TO CONTINUE TO FLOW THROUGH PARKING LOT 4 AT THIS TIME TO ACCESS THE APARTMENTS.
- THE INNER WALKING PATH AND SIDEWALK REPLACEMENTS WITHIN THE 1800'S AND 1600'S.
- THE DRIVEWAYS/SIDEWALKS AND OUTER ROAD AROUND THE 1800'S APARTMENTS EXCEPT FOR THE INTERCONNECTING CROSS ROAD.
 - A COMPLETE DRIVING CIRCLE AROUND THE 1600'S APARTMENTS IS TO REMAIN OPEN DURING THIS TIME, WITH ACCESS BY OPENING THE FIRE LANE FROM VILLAGE PARK LANE TO EASTGATE DRIVE.
- THE BALANCE OF THE REMAINING PARKING LOT 4.
 - THE CENTER ROAD BETWEEN EASTGATE DRIVE AND PEBBLE LANE, ALONG WITH THE DRIVEWAY MODIFICATION AND THE S' EXTENDED WALKING TRAIL ALONG THIS PORTION CONNECTING THE INNER WALKING PATHWAY.
 - THE MAJORITY OF RESIDENCES ARE CURRENTLY LOCATED IN THE 1600'S APARTMENTS. SPECIAL CARE SHALL BE GIVEN TO THIS AREA AS CONSTRUCTION OF THE ROAD, DRIVEWAY IMPROVEMENTS AND SIDEWALKS ARE COMPLETED.
- FINISH THE OUTER ROAD STARTING WITH THE SOUTH SIDE LOOP ALONG THE 1600'S APARTMENTS AND FINISHING WITH THE NORTH SIDE LOOP OF THE 1600'S APARTMENTS. VILLAGE PARK LANE, ROADWAY, APPROACHES, SUBGRADE FAILURE REPAIRS AND CURB REPLACEMENT.
- QUIET LANE, IF POSSIBLE SHOULD BE COMPLETED OVER A WEEKEND OR EVENINGS. ACCESS TO THE FACILITY MUST BE MAINTAINED AT ALL TIMES.
- THERE IS NO SPECIFIC SEQUENCING FOR THE REHABILITATION OF THE WALL AS IT SHOULD NOT INTERFERE WITH THE OCCUPANCY OR THE TRAFFIC FLOW. THE CONTRACTOR WILL HAVE ACCESS TO THE WALL ON THE STATE PROPERTY. THE CONTRACTOR SHALL REPAIR, REGRADE AND RESEED ANY DISTURBED AREA WITHIN THE VICINITY THAT HAS RESULTED DURING THE WALL REHABILITATION.

GENERAL NOTES

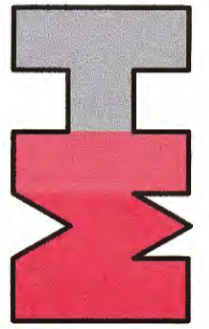
- THE CONTRACTOR IS TO NOTIFY THE OWNER'S REPRESENTATIVE, MIKE TYLER AT 314-264-0725, 72 HOURS IN ADVANCE OF EACH SEQUENCE OF WORK.
- THE AGREED UPON PARKING FOR THE CONTRACTOR'S TRUCKS AND VEHICLES IS NOTED ON THE PROJECT SEQUENCING PLAN.



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MO 201904001 EXPIRES: DECEMBER 31, 2020



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HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
REVISION: _____
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DATE: _____
ISSUE DATE: 07/10/2023

CAD DWG FILE: 801001SHINDEX
DRAWN BY: R. HAYES A LONG
CHECKED BY: C. HUDDLESTON
DESIGNED BY: S. VOGLER

SHEET TITLE:
**PROJECT
SEQUENCING
PLAN**

SHEET NUMBER:

G-003

SHEET 3 OF 28
JULY 10, 2023



1
G004 TRAFFIC CONTROL PLAN
NO SCALE

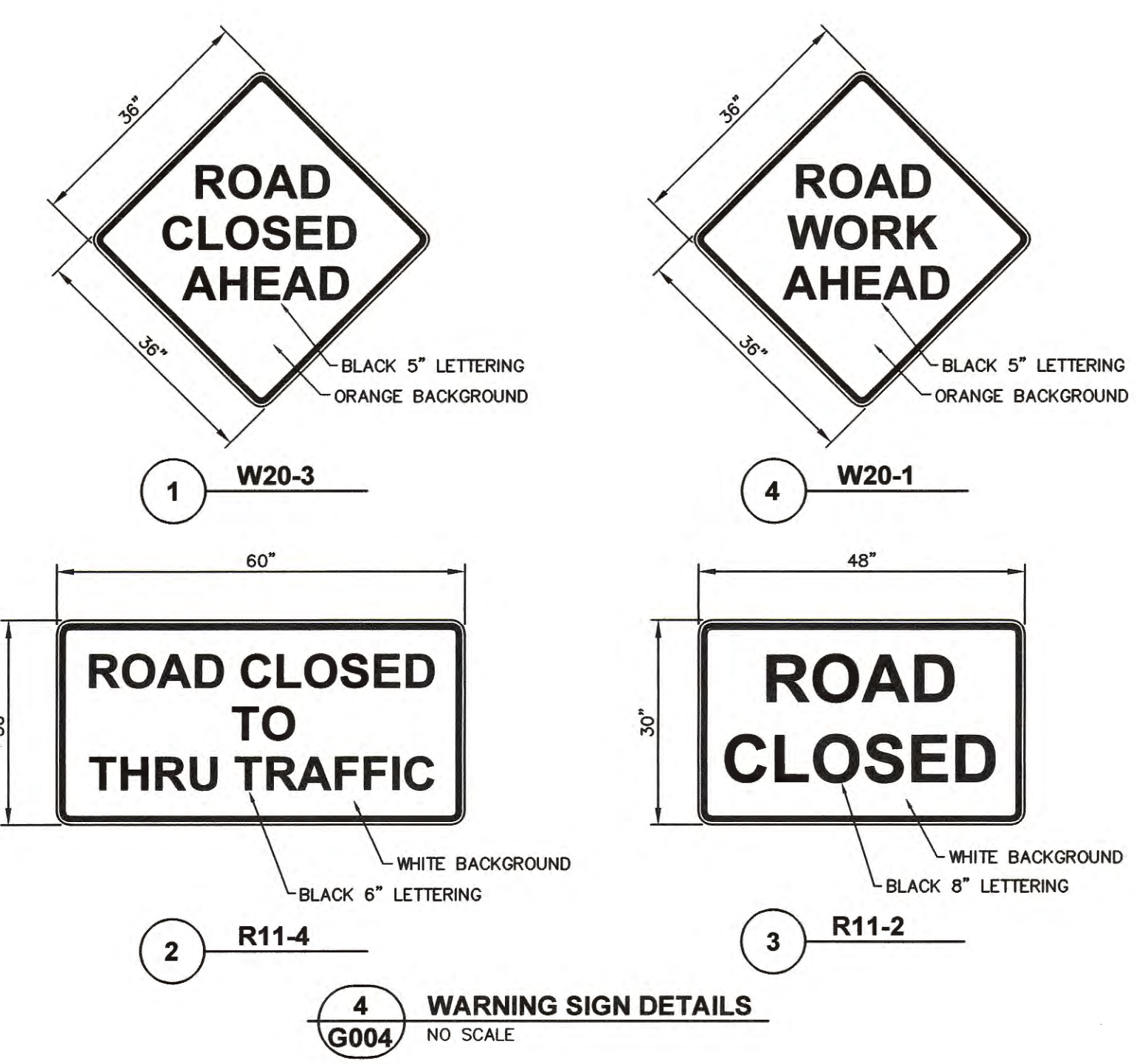
**TRAFFIC CONTROL NOTE
ON-SITE (CAMPUS AREA)**

TRAFFIC CONTROL DEVICES, MOVABLE BARRICADE UNITS AND SIGNAGE SHOWN ARE FOR GENERAL LAYOUT INFORMATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT, INSTALLATION AND CONTROLLING OF TRAFFIC DURING CONSTRUCTION AND COORDINATING WITH THE OWNERS TO MAINTAIN ACCESS TO FACILITIES AND RESIDENTS AT ALL TIMES.



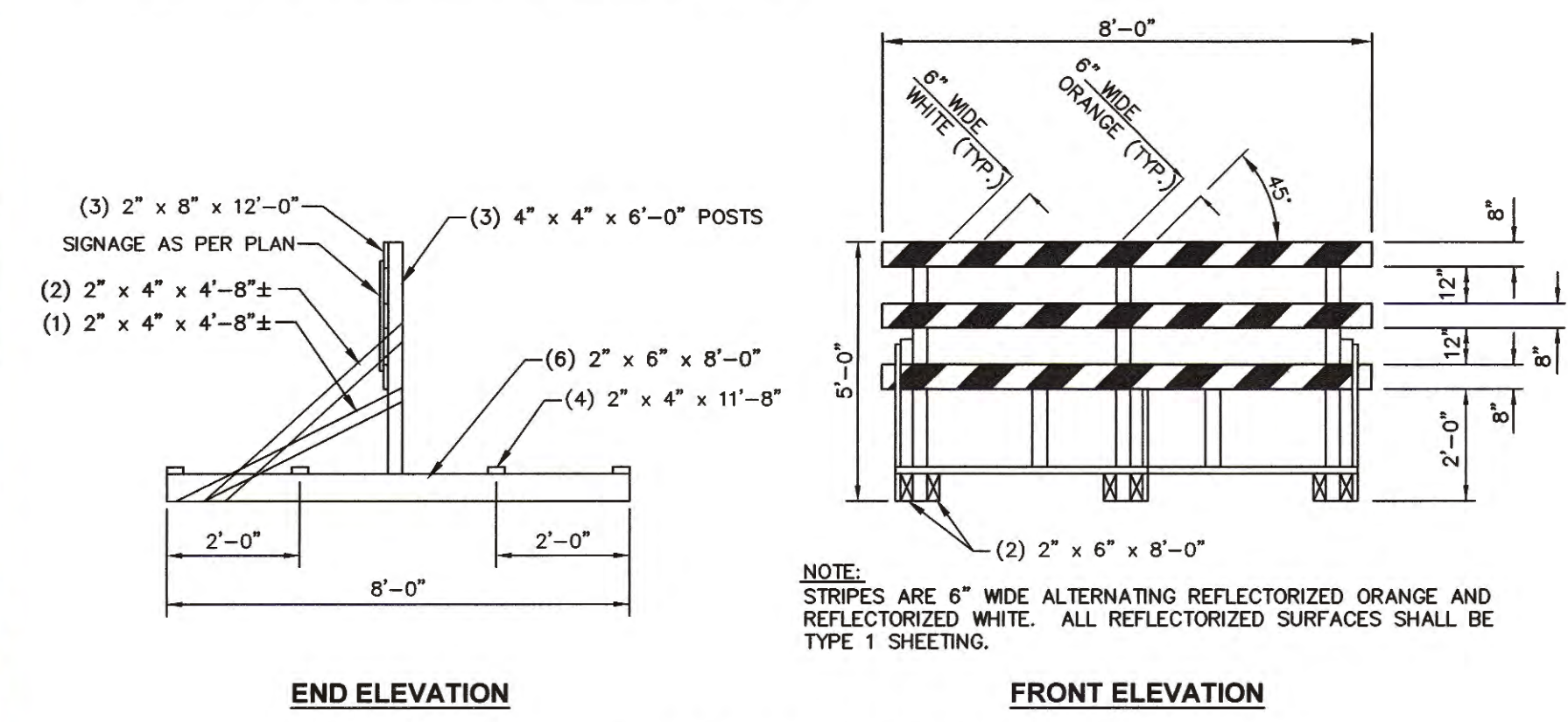
**TRAFFIC CONTROL NOTE
OFF-SITE (R-O-W)**

ROAD WORK AHEAD SIGNAGE TO BE PLACED 100' TO 150' VISIBLE TO THE SOUTHBOUND TRAFFIC ON BELLEFONTAINE ROAD DURING REHABILITATION AND TUCK POINTING OF THE WALL. SIGNS TO BE MOVED ACCORDING TO THE LOCATION WHERE MEN ARE WORKING DURING THE REHAB OF THE WALL.

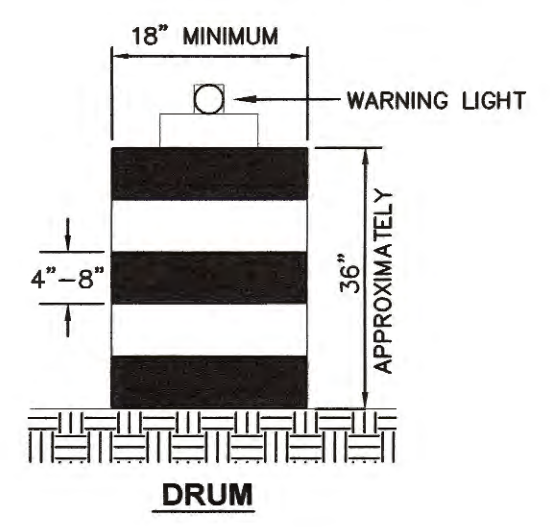


BARACADE NOTES

1. TYPE 3 MOVEABLE BARRICADES SHALL CONSIST OF THREE HORIZONTAL PANELS MOUNTED TO SUPPORTS IN SUCH A MANNER THAT THE ENTIRE ASSEMBLY IS CAPABLE OF REMAINING UPRIGHT AND ENTIRELY FREE STANDING.
2. THE SUPPORT STRUCTURE SHALL CONSIST OF A MINIMUM OF TWO UPRIGHTS CAPABLE OF KEEPING THE PANELS SECURELY ATTACHED IN THE DESIGNATED ARRANGEMENT. THE UPRIGHTS SHALL BE MOUNTED TO A BASE CAPABLE OF SUPPORTING THE ENTIRE ASSEMBLY WHILE REMAINING COMPLETELY PORTABLE. APPROPRIATE BALLAST MAY BE ADDED TO THE BASE OF THE ASSEMBLY TO PROVIDE ADDITIONAL STABILITY.
3. THE PANELS SHALL CONSIST OF A SUBSTRATE OF HIGH-DENSITY POLYETHYLENE, WOOD, OR OTHER APPROVED MATERIAL SHEETED WITH ASTM TYPE 7 RETROREFLECTIVE MATERIAL.
4. ONE TYPE 3 MOVEABLE BARRICADE REQUIRED TO COMPLETELY CLOSE EACH 8' OF TRAVELED WAY WIDTH.
5. NOMINAL DIMENSIONS WILL BE ALLOWED FOR DIMENSIONAL LUMBER.
6. WHERE A BARRICADE ARRAY EXTENDS ACROSS A ROADWAY, THE STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN OR PASS.
7. WHERE BOTH RIGHT AND LEFT VEHICULAR MOVEMENTS ARE PROVIDED, THE STRIPES SHALL SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE ARRAY.
8. WHERE NO VEHICULAR MOVEMENTS ARE PROVIDED, THE STRIPES SHALL SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE ARRAY.
9. MARKING SHALL ONLY BE APPLIED TO TRAFFIC SIDE OF BARRICADE.

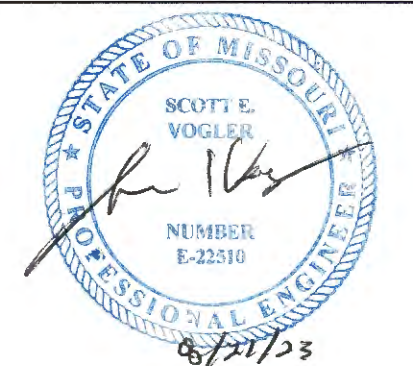


2 **3**
G004 TYPE 3 MOVABLE BARRICADE UNIT
NO SCALE



1
G004 TRAFFIC CONTROL DEVICES
NO SCALE

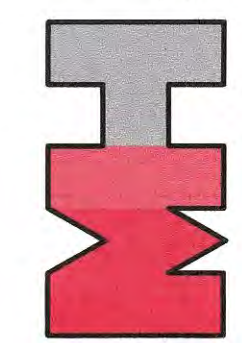
- NOTES:**
1. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AND PROVIDE ADEQUATE TRAFFIC CONTROL FOR ALL LOTS AND ROADS, IN ACCORDANCE WITH MUTCD.
 2. THE CONTRACTOR SHALL UTILIZE CONSTRUCTION SIGNS ONLY WHEN NECESSARY DUE TO CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MODIFY THE TRAFFIC CONTROL PLAN TO FIT HIS CONSTRUCTION TECHNIQUE AND SCHEDULE. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN PRIOR TO EACH PHASE FOR REVIEW AND APPROVAL TO THE OWNER'S REPRESENTATIVE.



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MO 2019000001 EXPIRES DECEMBER 31, 2020



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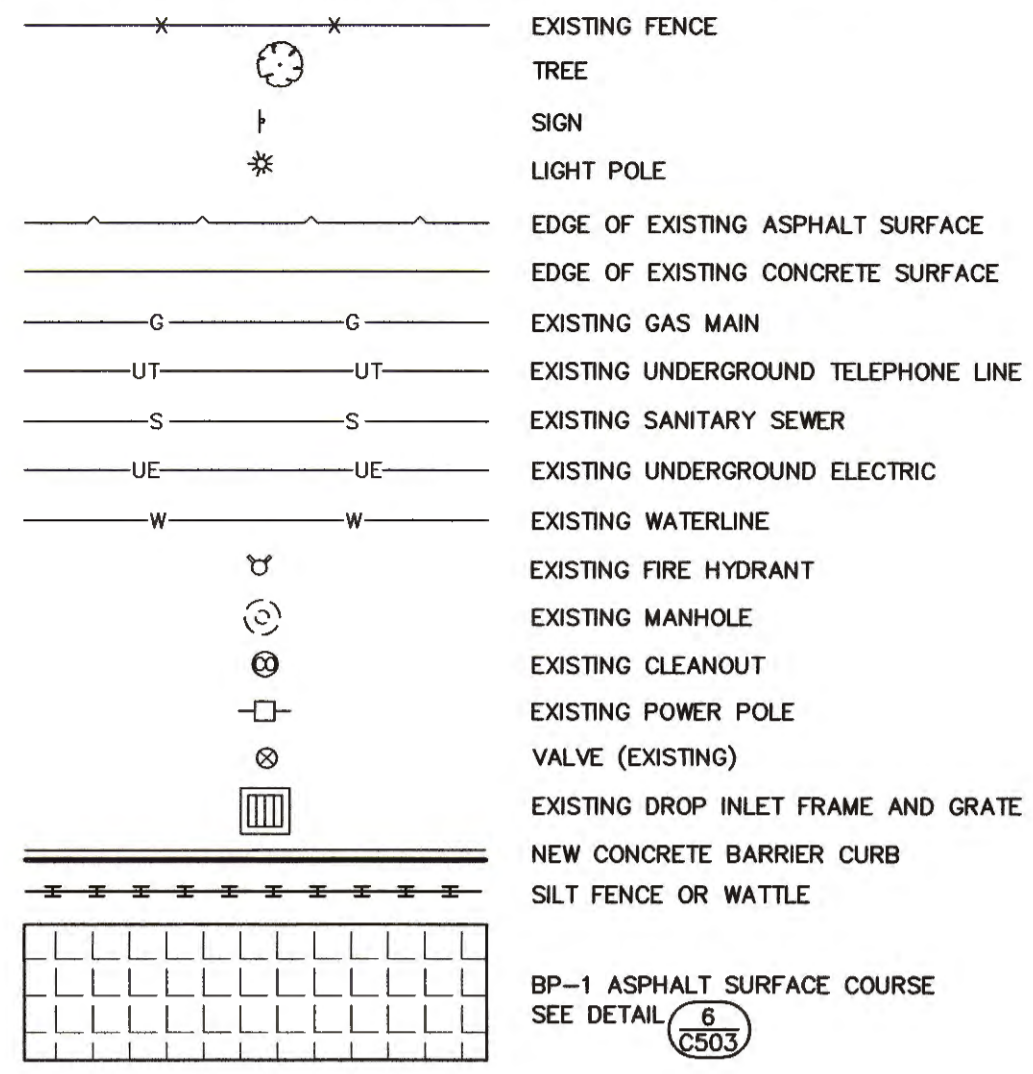
CAD DWG FILE: 801001SHTINDEX
DRAWN BY: R. HAYES, A. LONG
CHECKED BY: C. HUDDLESTON
DESIGNED BY: S. VOGLER

SHEET TITLE:
**TRAFFIC CONTROL
PLAN / SIGNAGE &
CONTROL DEVICES**

SHEET NUMBER:

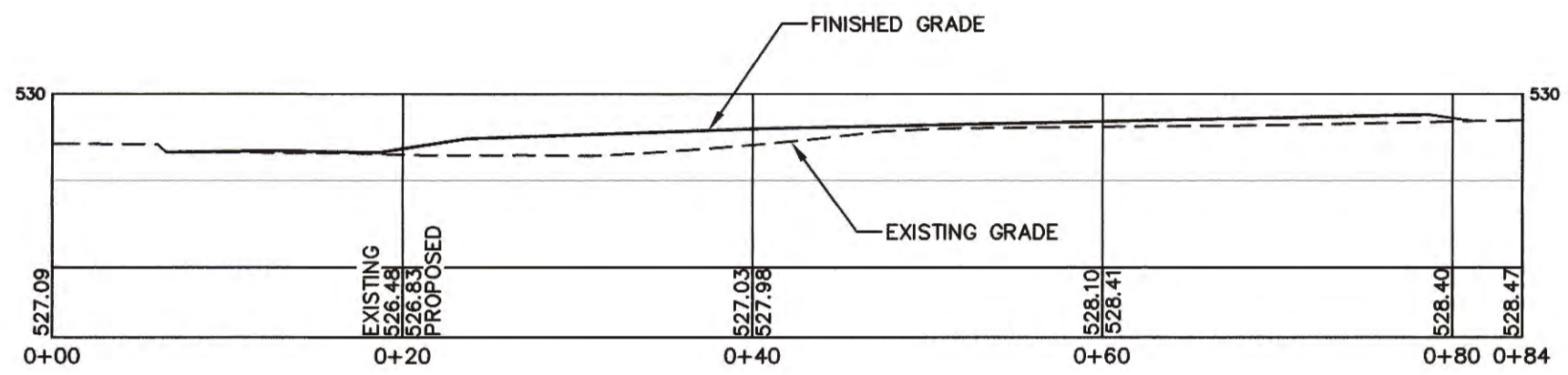
G-004

SYMBOLS / ABBREVIATIONS LEGEND

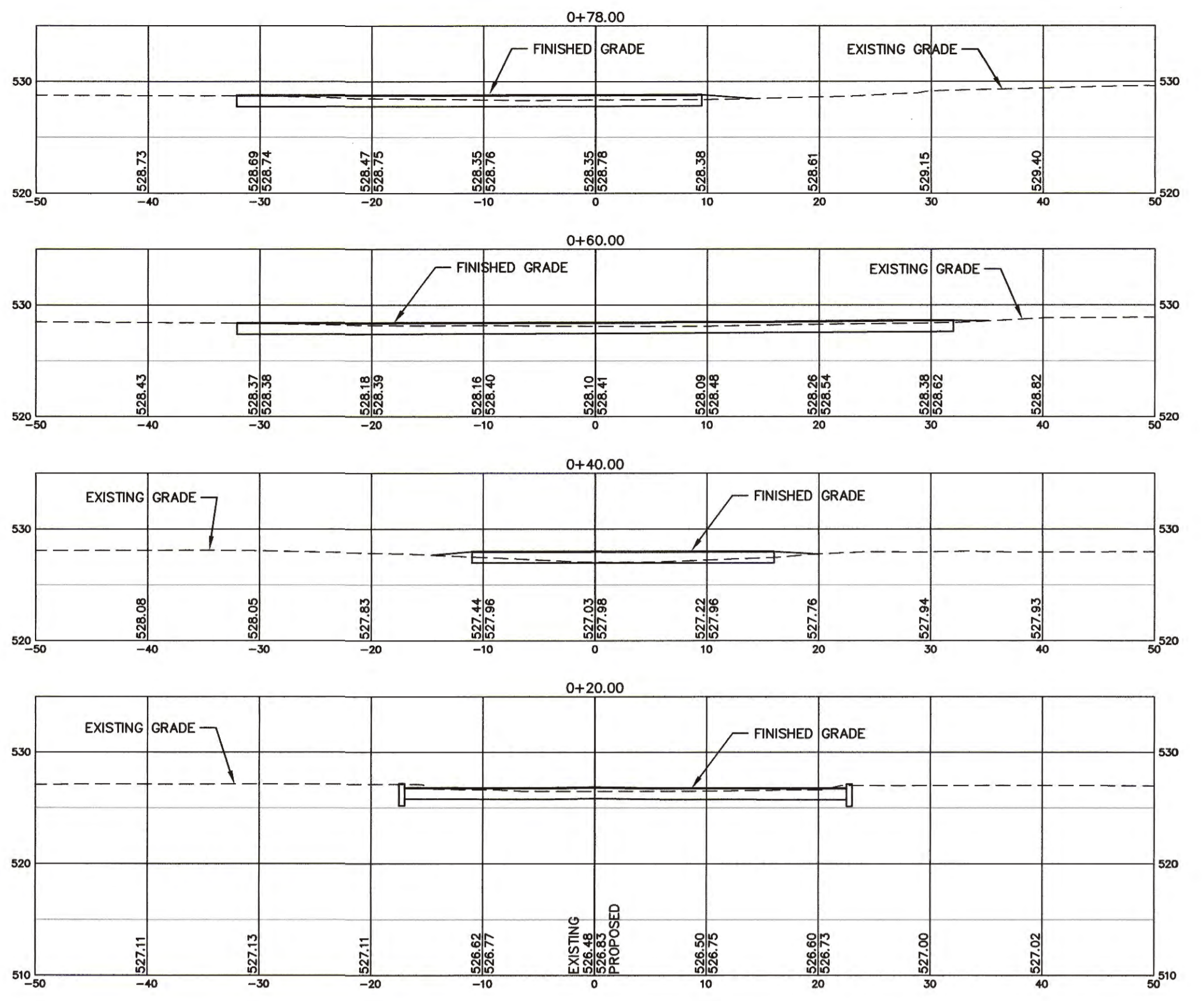


Control Point Table				
Point #	Northing	Eastng	Description	ELEVATION
100	1069026.32	897791.83	EDGE NEW PMWT	528.64
101	1069038.56	897791.72	EDGE NEW PMWT	528.82
102	1069053.56	897806.52	EDGE NEW PMWT	527.59
103	1069055.65	897806.52	EDGE NEW PMWT	527.68
104	1069055.65	897801.52	EDGE NEW PMWT	528.00
105	1069055.65	897801.52	EDGE NEW PMWT	528.00
106	1069098.45	897782.97	EDGE NEW PMWT	528.75
107	1069098.45	897823.97	EDGE NEW PMWT	528.80
108	1069094.45	897827.97	EDGE NEW PMWT	528.85
109	1069094.45	897844.74	EDGE NEW PMWT	529.00
110	1069098.89	897847.08	EDGE NEW PMWT	528.93
111	1069055.65	897847.08	EDGE NEW PMWT	528.00
112	1069055.65	897833.52	EDGE NEW PMWT	528.00
113	1069055.65	897828.52	EDGE NEW PMWT	527.66
114	1069055.65	897828.52	EDGE NEW PMWT	527.59
115	1069038.85	897843.67	EDGE NEW PMWT	528.59

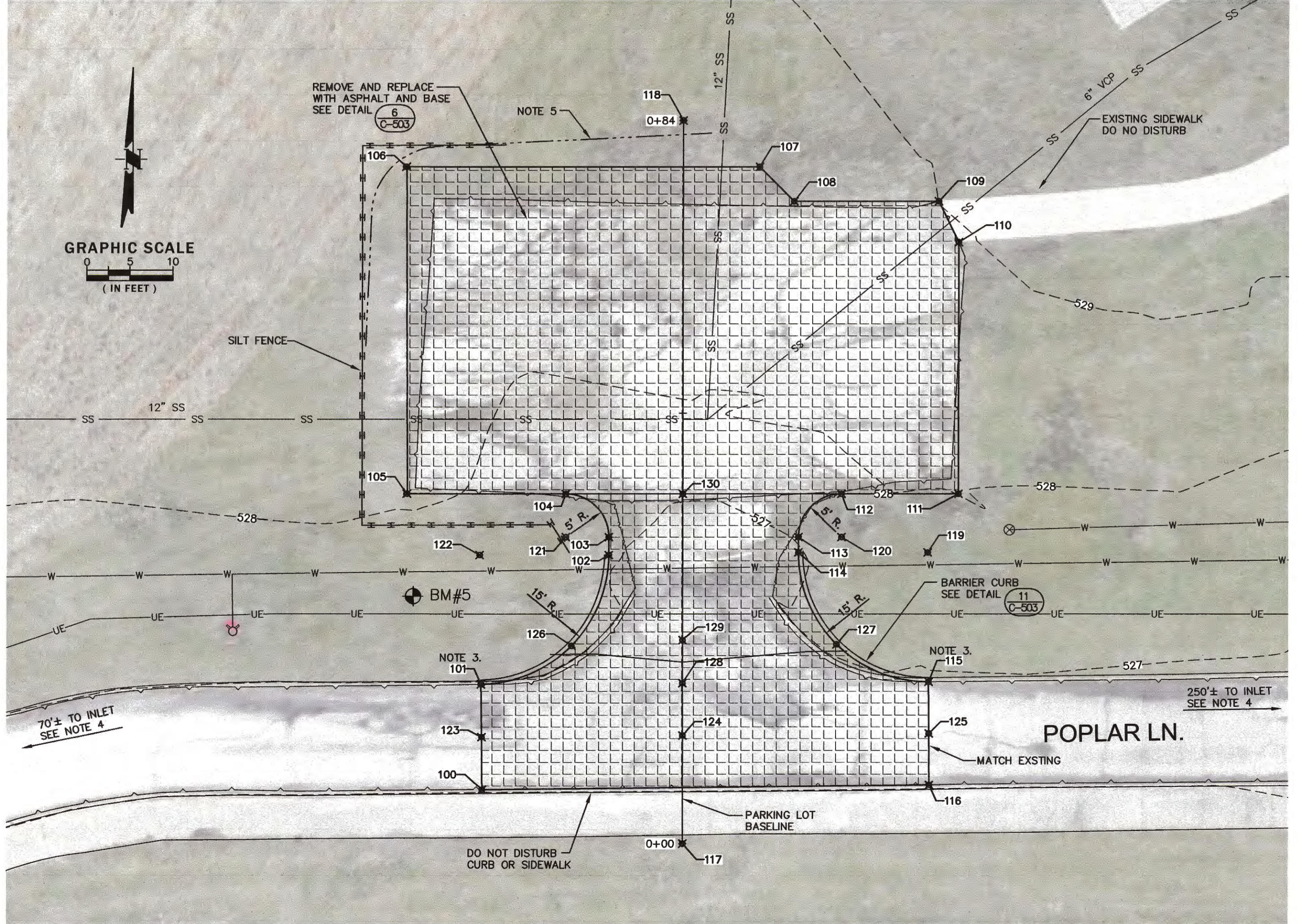
Control Point Table				
Point #	Northing	Eastng	Description	ELEVATION
116	1069026.88	897843.71	EDGE NEW PMWT	526.57
117	1069023.04	897815.10	BASELINE STA. 0+00	
118	1069104.04	897815.10	EDGE NEW PMWT	
119	1069033.85	897843.52	EDGE NEW PMWT	
120	1069055.65	897833.52	EDGE NEW PMWT	
121	1069055.65	897801.52	EDGE NEW PMWT	
122	1069053.56	897791.52	EDGE NEW PMWT	
123	1069032.44	897791.78	EDGE NEW PMWT	526.70
124	1069032.63	897815.10	EDGE NEW PMWT	526.70
125	1069032.87	897843.68	EDGE NEW PMWT	526.70
126	1069043.02	897802.20	EDGE NEW PMWT	527.11
127	1069043.19	897832.97	EDGE NEW PMWT	527.09
128	1069038.69	897815.10	EDGE NEW PMWT	526.61
129	1069043.69	897815.10	EDGE NEW PMWT	527.41
130	1069065.65	897815.10	EDGE NEW PMWT	528.00



3 PARKING LOT BASELINE PROFILE
C-101

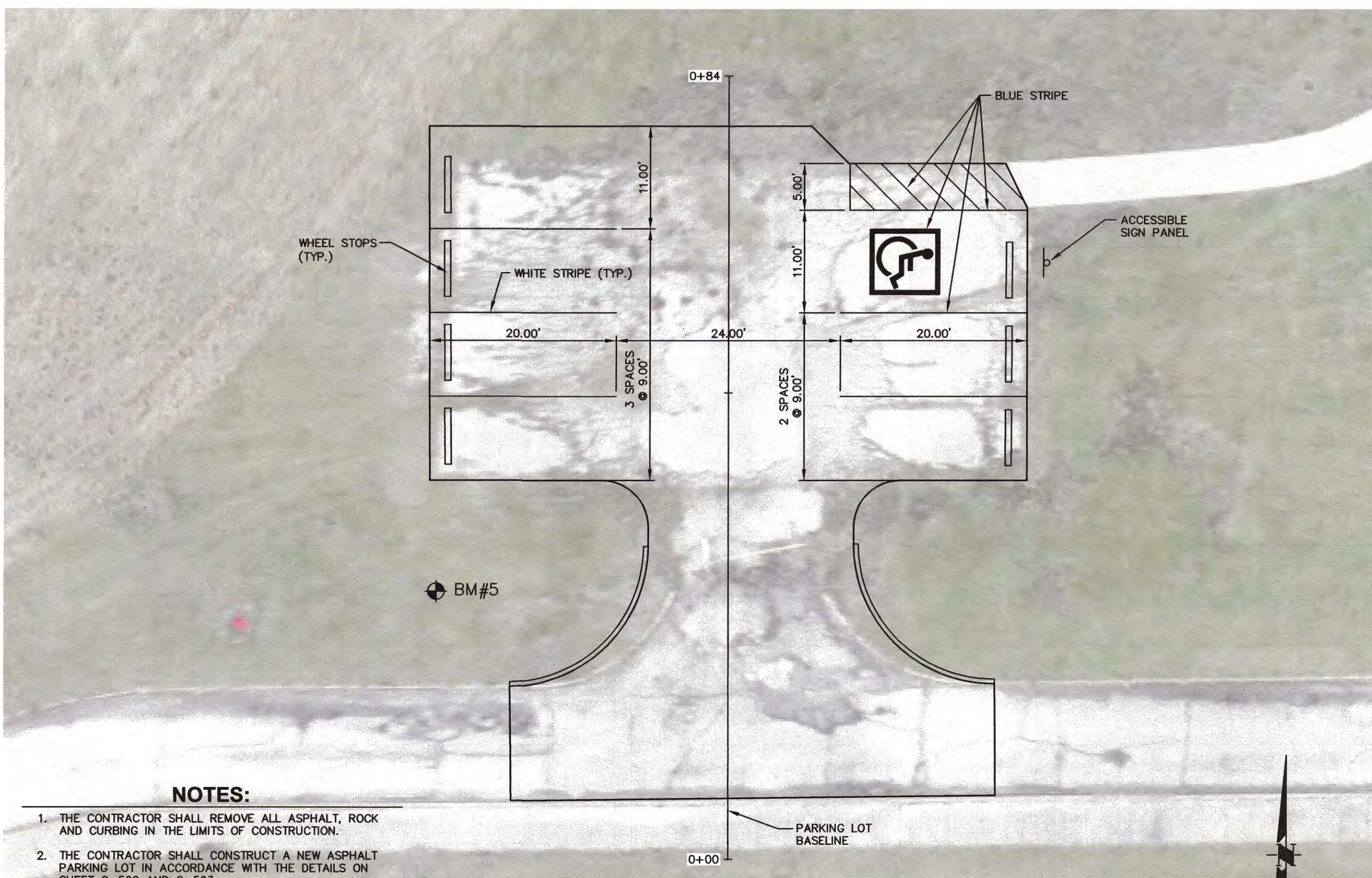


4 PARKING LOT SECTIONS
C-101



1 SITE PLAN
C-101

BENCH MARK
BM#5 - 5/8" REBAR
(N-106048.7600, E-897783.8099)
ELEVATION 527.47



2 STRIPING LAYOUT
C-101

- NOTES:**
- THE CONTRACTOR SHALL REMOVE ALL ASPHALT, ROCK AND CURBING IN THE LIMITS OF CONSTRUCTION.
 - THE CONTRACTOR SHALL CONSTRUCT A NEW ASPHALT PARKING LOT IN ACCORDANCE WITH THE DETAILS ON SHEET C-502 AND C-503.
 - THE CONTRACTOR SHALL MATCH THE EXISTING BARRIER CURB WHERE SHOWN.
 - THE CONTRACTOR SHALL PLACE EROSION CONTROL INLET PROTECTION AT THE THROAT OF THE EXISTING INLET.
 - THE CONTRACTOR SHALL CONSTRUCT A SWALE TO DRAIN AROUND THE PARKING LOT.

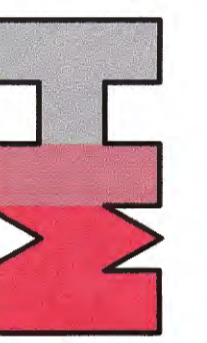
STATE OF MISSOURI
MICHAEL L. PARSON,
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MECO-HENEHAN ENGINEERS, LLC
www.meco-henehan.com
DESIGN PROFESSIONAL NUMBER: 0000000000
INC. DOCUMENT: 0000000000 DECEMBER 31, 2020



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ISSUE DATE: 07/10/2023

CAD DWG FILE: 801001SITE
DRAWN BY: R.HAYES/A.LONG
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

SHEET TITLE:
**PARKING LOT NO. 1
IMPROVEMENT &
MARKING PLANS**

SHEET NUMBER:

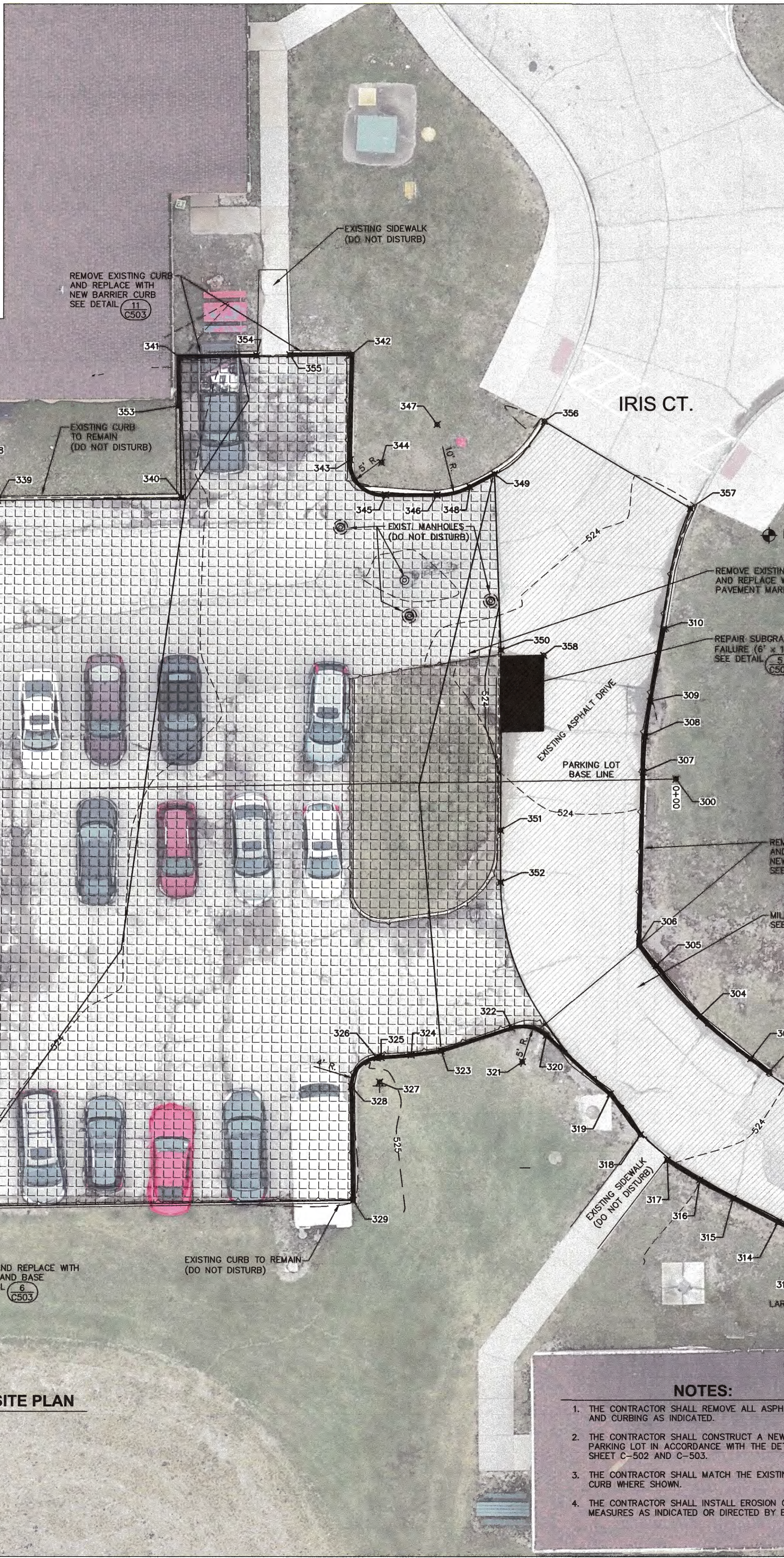
C-101

SHEET 5 OF 28
JULY 10, 2023

Point #	Northing	Eastng	Description	ELEVATION
300	1067760.25	897706.24	BASELINE STA. 0+00	
301	1067756.90	897496.27	BASELINE STA. 2+10	
302	1067718.77	897719.55	PC CURB	524.39
303	1067720.60	897716.89	PC CURB	524.81
304	1067726.68	897706.88	MID PNT CURB	524.80
305	1067733.80	897703.48	PT CURB	524.78
306	1067736.96	897701.10	P.I. CURB	524.78
307	1067761.23	897701.58	PC CURB	524.40
308	1067766.25	897701.87	MID PNT CURB	524.38
309	1067771.23	897702.58	PT CURB	524.30
310	1067781.51	897704.48	END CURB	524.28
311	1067881.98	897737.46	END CURB	523.00
312	1067887.45	897733.00	PC CURB	523.00
313	1067893.06	897727.41	PT/PC CURB	523.50
314	1067897.46	897720.81	PT / PC CURB	523.87
315	1067700.80	897714.40	MID PNT CURB	524.20
316	1067703.45	897706.68	MID PNT CURB	524.40
317	1067706.27	897705.06	END CURB	524.50
318	1067709.84	897701.28	END CURB	524.66
319	1067715.63	897866.97	P.I. CURB	524.72

Point #	Northing	Eastng	Description	ELEVATION
320	1067723.67	897687.86	PC CURB / EDGE NEW PMT	524.22
321	1067720.17	897684.51	R. PNT CURB	
322	1067724.92	897682.96	PT CURB / EDGE NEW PMT	524.30
323	1067721.68	897673.00	PC CURB / EDGE NEW PMT	524.32
324	1067721.10	897668.75	MID PNT CURB / EDGE NEW PMT	524.42
325	1067720.74	897664.48	PT CURB / EDGE NEW PMT	524.50
326	1067720.69	897663.89	PC CURB / EDGE NEW PMT	524.50
327	1067717.25	897664.26	R. PNT CURB	
328	1067716.64	897660.25	PT CURB / EDGE NEW PMT	524.56
329	1067700.51	897660.51	END OF CURB / EDGE NEW PMT	524.78
330	1067699.24	897590.52	EDGE NEW PMT	523.43
331	1067697.96	897500.53	EDGE NEW PMT	522.06
332	1067747.96	897498.73	EDGE NEW PMT	521.02
333	1067797.95	897498.93	EDGE NEW PMT	519.98
334	1067799.43	897591.83	EDGE NEW PMT	523.46
335	1067804.49	897596.75	EDGE NEW PMT	523.72
336	1067813.42	897596.64	EDGE NEW PMT	524.20
337	1067813.59	897604.94	EDGE NEW PMT	524.20
338	1067804.73	897604.92	EDGE NEW PMT	523.18
339	1067798.72	897610.00	EDGE NEW PMT	523.62

Point #	Northing	Eastng	Description	ELEVATION
340	1067800.13	897636.06	EDGE NEW PMT	524.98
341	1067819.92	897635.63	EDGE NEW PMT / P.I. CURB	523.86
342	1067820.30	897659.97	EDGE NEW PMT / P.I. CURB	524.26
343	1067805.50	897659.97	EDGE NEW PMT / PC CURB	524.20
344	1067805.10	897664.40	R. PNT CURB	
345	1067800.50	897664.97	EDGE NEW PMT / PT CURB	524.18
346	1067800.50	897672.29	EDGE NEW PMT / PC CURB	524.16
347	1067810.50	897672.29	R. PNT CURB	
348	1067801.65	897676.94	EDGE NEW PMT / PT CURB	524.26
349	1067803.49	897680.42	EDGE NEW PMT / END CURB	524.36
350	1067778.50	897681.38	EDGE NEW PMT	523.88
351	1067752.98	897681.38	EDGE NEW PMT	524.10
352	1067745.60	897681.38	PT 34' RADIUS	524.05
353	1067813.13	897635.67	END OF NEW CURB	523.86
354	1067820.24	897646.70	END OF NEW CURB	523.86
355	1067820.38	897651.41	END OF NEW CURB	523.86
356	1067810.96	897687.49	EDGE OF SEAL COAT	523.86
357	1067798.64	897708.21	EDGE OF SEAL COAT	523.86
358	1067777.75	897687.45	CORNER OF PATCH	523.86



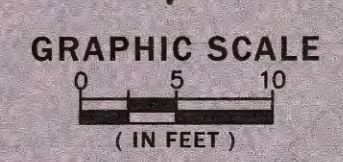
SYMBOLS / ABBREVIATIONS LEGEND

- SILT FENCE OR WATTLE
- EDGE OF EXISTING ASPHALT SURFACE
- EDGE OF EXISTING CONCRETE SURFACE
- EXISTING MANHOLE
- EXISTING STORM INLET
- NEW CONCRETE BARRIER CURB
- LARGE CRACK
- MILL 1 1/2 INCH AND OVERLAY SEE DETAIL (C503)
- REPAIR SUBGRADE FAILURE SEE DETAIL (C503)
- B.P. - 1 ASPHALT SURFACE COURSE SEE DETAIL (C503)
- ASPHALT SEAL COAT SEE DETAIL (C503)

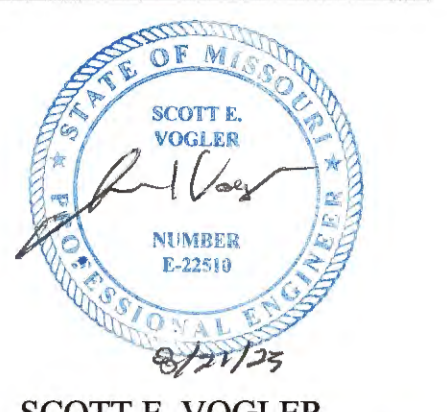
1 SITE PLAN
C-103

- NOTES:**
- THE CONTRACTOR SHALL REMOVE ALL ASPHALT, ROCK AND CURBING AS INDICATED.
 - THE CONTRACTOR SHALL CONSTRUCT A NEW ASPHALT PARKING LOT IN ACCORDANCE WITH THE DETAILS ON SHEET C-502 AND C-503.
 - THE CONTRACTOR SHALL MATCH THE EXISTING BARRIER CURB WHERE SHOWN.
 - THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS INDICATED OR DIRECTED BY ENGINEER.

BENCH MARK
BM#4 - 5/8" REBAR
(N=1067794.7987, E=897719.3860)
ELEVATION 523.17



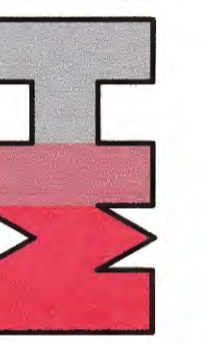
STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



SCOTT E. VOGLER
PROFESSIONAL ENGINEER
LICENSE NO. E-22510

OFFICE LOCATION:
400 N. FIFTH STREET, SUITE 107
ST. LOUIS, MO 63101
P. (636) 952-7045

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ENGINEERS, LLC
www.meco-heghegan.com
MO 000000401 EXP. 12/31/2025



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INFRASTRUCTURE
AND STONE WALL

BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION:
DATE: _____
REVISION:
DATE: _____
REVISION:
DATE: _____
ISSUE DATE: 07/10/2023

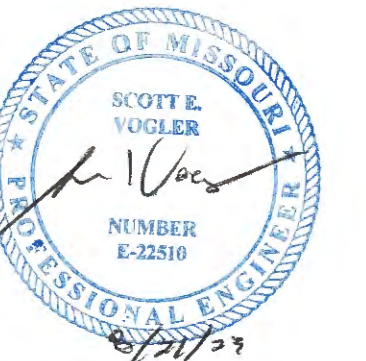
CAD DWG FILE: 801001SITE
DRAWN BY: R.HAYES/ALONG
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

SHEET TITLE:
**PARKING LOT NO. 3
IMPROVEMENT PLAN**

SHEET NUMBER:

C-103

SHEET 7 OF 28
JULY 10, 2023



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MECO-HENEGHAN
ENGINEERS, LLC
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MO REGISTRATION EXPIRES: DECEMBER 31, 2020



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REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/10/2023

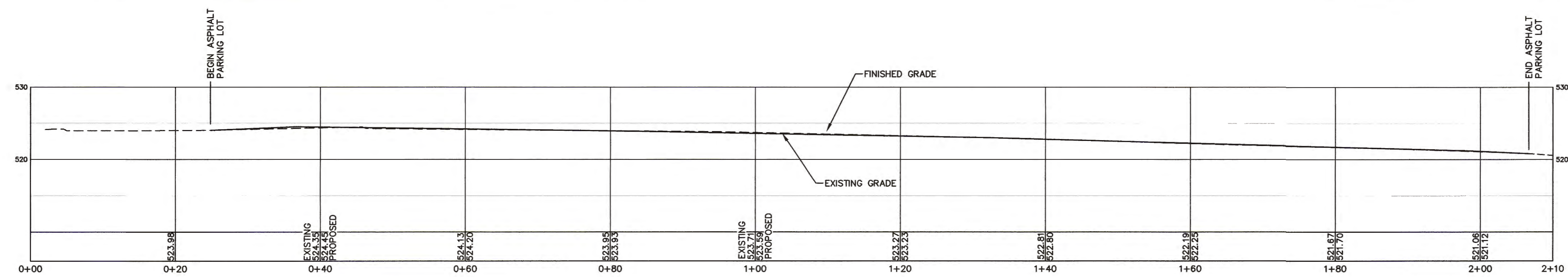
CAD DWG FILE: 801001SITE
DRAWN BY: R. HAYESA LONG
CHECKED BY: C. HUDDLESTON
DESIGNED BY: S. VOGLER

SHEET TITLE:
**PARKING LOT NO. 3
MARKING PLAN /
PROFILE & SECTIONS**

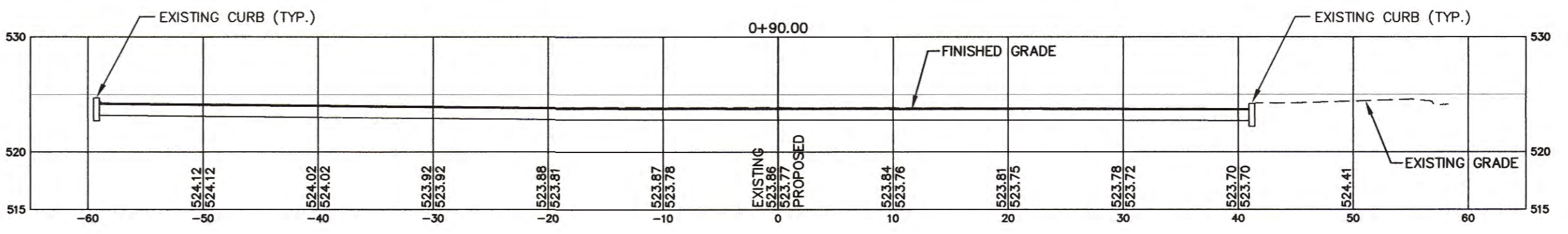
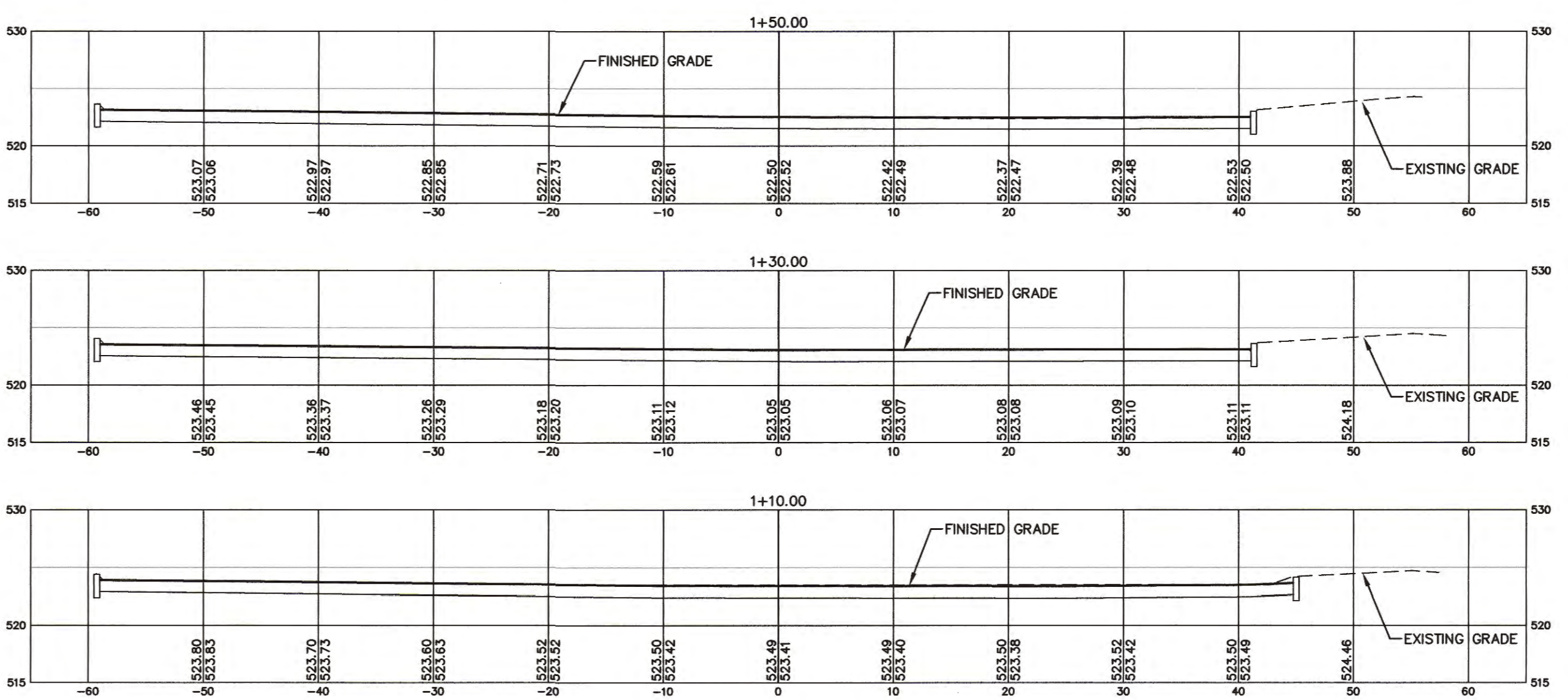
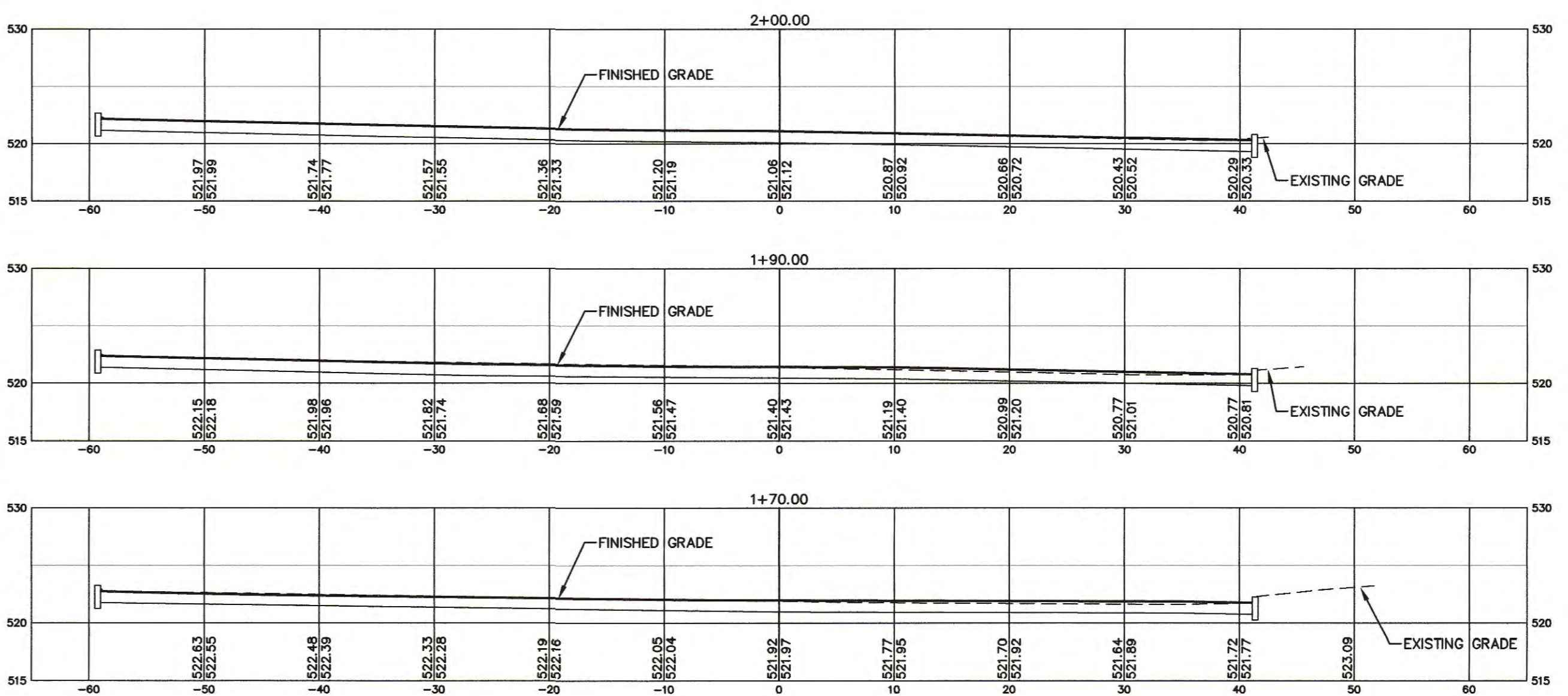
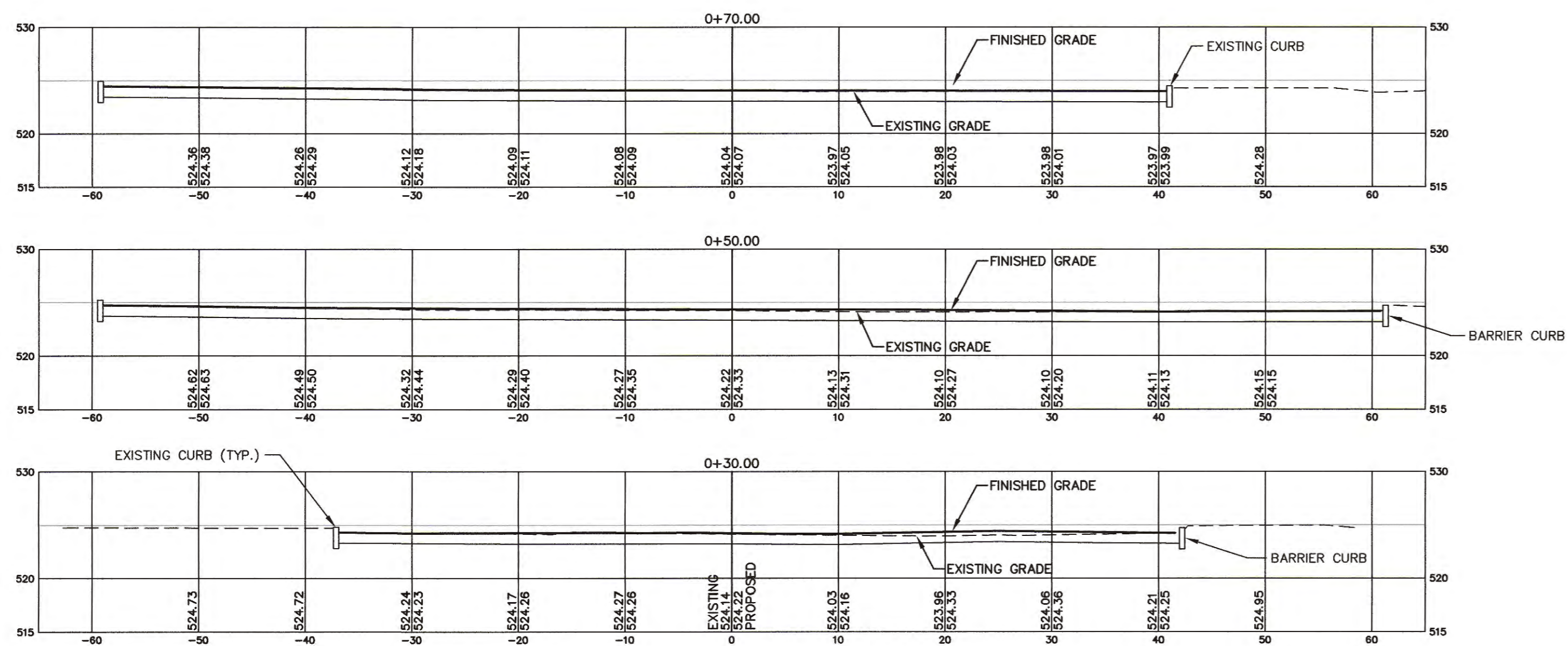
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C-104

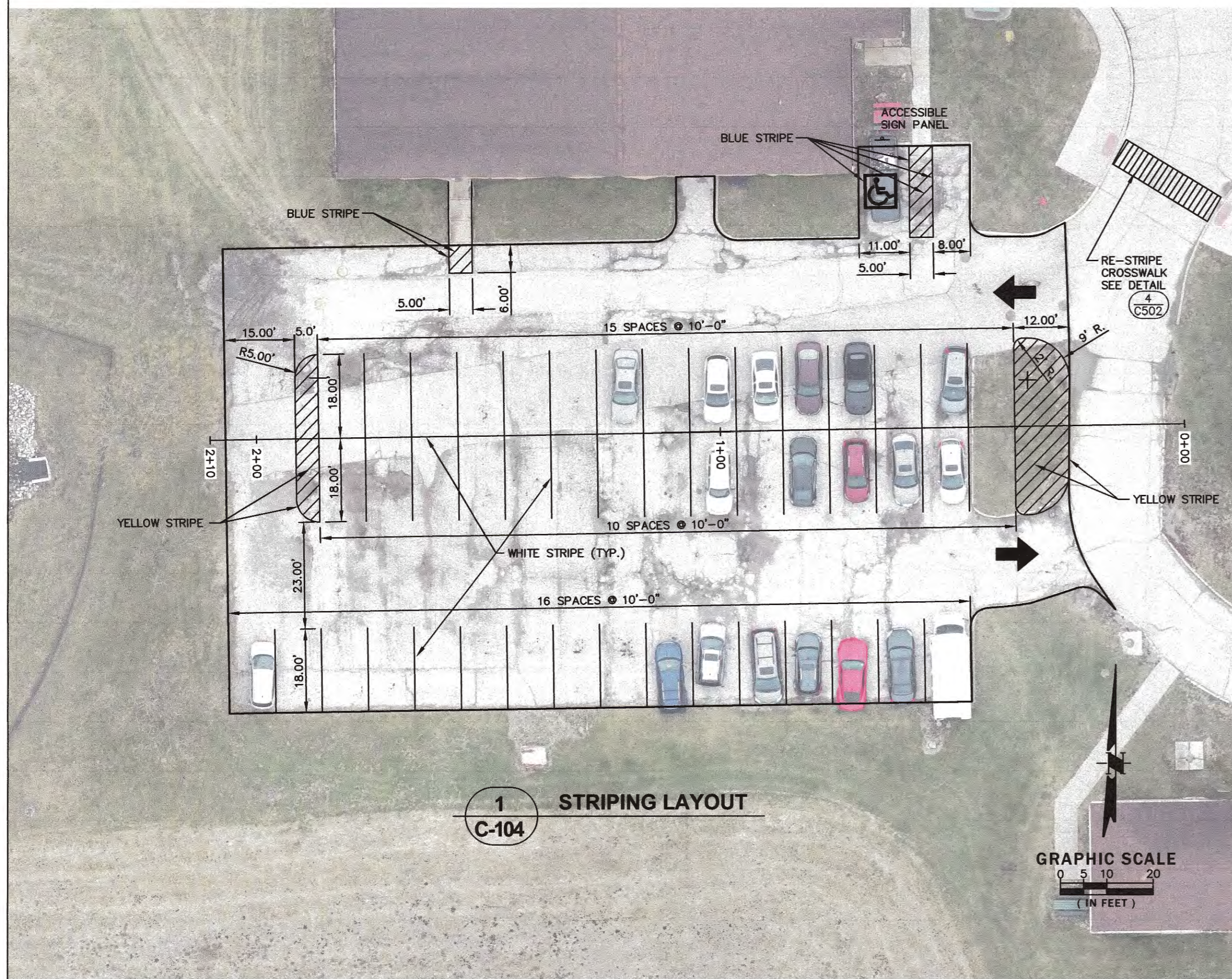
SHEET 8 OF 28
JULY 10, 2023



2
C-104 PARKING LOT BASELINE PROFILE



3
C-104 PARKING LOT SECTIONS



1
C-104 STRIPING LAYOUT



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BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
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ISSUE DATE: 07/10/2023

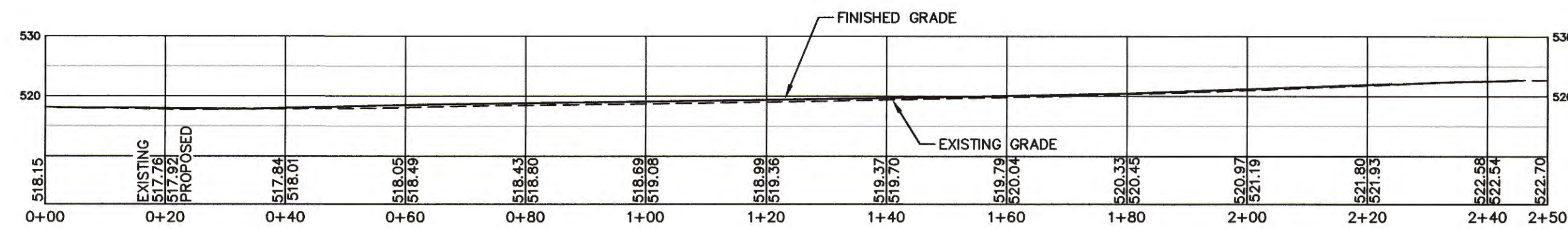
CAD DWG FILE: 801001SITE
DRAWN BY: R. HAYES/ALONG
CHECKED BY: C. HUDDLESTON
DESIGNED BY: S. VOGLER

SHEET TITLE:
**PARKING LOT NO. 4
IMPROVEMENT PLAN**

SHEET NUMBER:

C-105

SHEET 9 OF 28
JULY 10, 2023



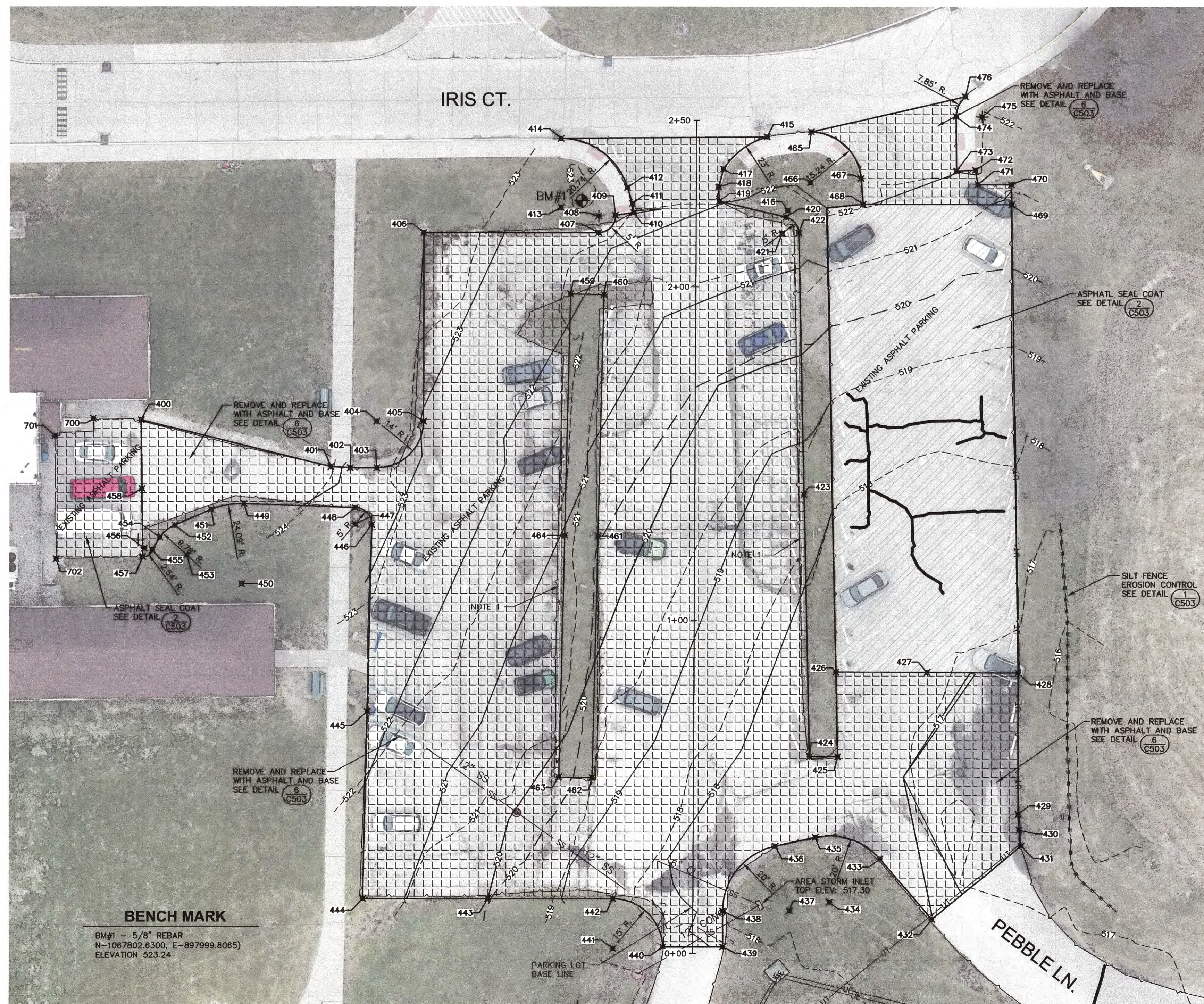
2
C-105 **PARKING LOT BASELINE PROFILE**

Control Point Table			
Point #	Northing	Eastng	ELEVATION
400	1067736.82	897807.83	EDGE NEW PMT 524.40
401	1067722.75	897824.57	EDGE NEW PMT 524.28
402	1067722.41	897830.34	EDGE NEW PMT 523.80
403	1067722.41	897836.36	EDGE NEW PMT 523.35
404	1067736.41	897836.36	R. PNT
405	1067736.41	897852.36	EDGE NEW PMT 522.85
406	1067793.03	897852.36	EDGE NEW PMT 523.66
407	1067793.03	898004.88	EDGE NEW PMT 522.23
408	1067798.03	898004.88	R. PNT
409	1067798.24	898009.88	EDGE NEW PMT 522.10
410	1067799.07	898015.37	EDGE NEW PMT 522.10
411	1067801.76	898014.95	EDGE NEW PMT 522.10
412	1067806.58	898013.42	EDGE NEW PMT 522.34
413	1067800.59	897993.57	R. PNT
414	1067821.32	897993.51	EDGE NEW PMT 522.82
415	1067821.83	898005.32	EDGE NEW PMT 522.66
416	1067799.68	898061.58	R. PNT
417	1067812.15	898042.24	EDGE NEW PMT 522.44
418	1067806.73	898040.80	EDGE NEW PMT 522.26
419	1067802.48	898040.96	EDGE NEW PMT 522.04

Control Point Table			
Point #	Northing	Eastng	ELEVATION
420	1067797.69	898061.05	EDGE NEW PMT 521.60
421	1067792.83	898058.89	R. PNT
422	1067792.84	898064.89	EDGE NEW PMT 521.40
423	1067714.40	898068.60	EDGE NEW PMT 518.40
424	1067835.87	898068.30	EDGE NEW PMT 517.22
425	1067835.87	898076.80	EDGE NEW PMT 517.14
426	1067761.22	898076.25	EDGE NEW PMT 517.33
427	1067661.14	898103.60	EDGE NEW PMT 517.22
428	1067661.06	898130.95	EDGE NEW PMT 516.82
429	1067618.66	898131.04	EDGE NEW PMT 516.68
430	1067613.90	898131.31	EDGE NEW PMT 516.64
431	1067609.19	898132.00	EDGE NEW PMT 516.67
432	1067587.05	898105.57	EDGE NEW PMT 517.16
433	1067605.20	898089.57	EDGE NEW PMT 517.12
434	1067592.16	898074.40	R. PNT
435	1067611.71	898107.15	EDGE NEW PMT 517.15
436	1067609.08	898058.10	EDGE NEW PMT 517.45
437	1067589.54	898062.35	R. PNT
438	1067718.28	898042.35	EDGE NEW PMT 517.90
439	1067578.75	898042.35	EDGE NEW PMT 517.88

Control Point Table			
Point #	Northing	Eastng	ELEVATION
440	1067878.74	898024.41	EDGE NEW PMT 518.08
441	1067878.25	898009.41	R. PNT
442	1067893.25	898009.41	EDGE NEW PMT 518.30
443	1067893.25	897971.84	EDGE NEW PMT 520.00
444	1067893.25	897934.27	EDGE NEW PMT 521.50
445	1067848.32	897935.56	EDGE NEW PMT 522.31
446	1067705.40	897936.85	EDGE NEW PMT 523.24
447	1067705.51	897931.85	R. PNT
448	1067701.51	897931.85	EDGE NEW PMT 523.56
449	1067711.76	897898.50	EDGE NEW PMT 524.50
450	1067687.68	897897.80	R. PNT
451	1067709.95	897886.62	EDGE NEW PMT 524.52
452	1067705.27	897877.76	EDGE NEW PMT 524.50
453	1067896.17	897881.35	R. PNT
454	1067701.57	897873.20	EDGE NEW PMT 524.46
455	1067697.76	897870.99	EDGE NEW PMT 524.44
456	1067698.25	897868.50	R. PNT
457	1067695.74	897868.08	EDGE NEW PMT 524.42
458	1067718.28	897841.80	EDGE NEW PMT 524.52
459	1067774.60	897896.46	EDGE NEW PMT 521.97

Control Point Table			
Point #	Northing	Eastng	ELEVATION
460	1067774.37	898006.46	EDGE NEW PMT 521.60
461	1067701.93	898004.79	EDGE NEW PMT 520.18
462	1067829.50	898003.12	EDGE NEW PMT 518.82
463	1067829.73	897993.13	EDGE NEW PMT 520.91
464	1067702.16	897994.79	EDGE NEW PMT 521.80
465	1067823.33	898068.56	EDGE NEW PMT 522.66
466	1067808.09	898068.34	EDGE NEW PMT 522.06
467	1067808.39	898063.52	EDGE NEW PMT 522.06
468	1067801.59	898064.18	EDGE NEW PMT 522.06
469	1067801.59	898128.82	EDGE NEW PMT 520.82
470	1067807.61	898128.72	EDGE NEW PMT 521.08
471	1067807.61	898118.63	EDGE NEW PMT 521.64
472	1067811.86	898117.84	EDGE NEW PMT 522.18
473	1067811.86	898112.03	EDGE NEW PMT 522.04
474	1067827.97	898119.88	EDGE NEW PMT 522.36
475	1067833.93	898114.77	EDGE NEW PMT 522.46
476	1067737.30	897853.34	EDGE NEW PMT 524.50
700	1067732.00	897841.80	EDGE NEW PMT 524.52
701	1067732.00	897841.80	EDGE NEW PMT 524.52
702	1067695.16	897842.22	EDGE NEW PMT 524.52

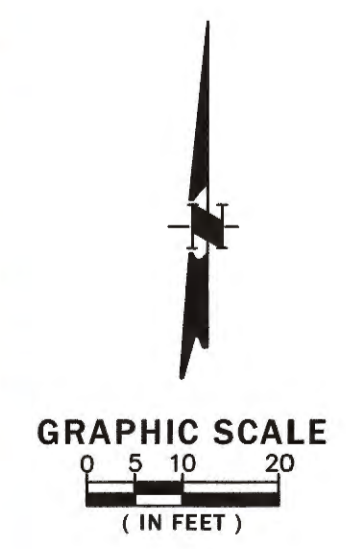


SYMBOLS / ABBREVIATIONS LEGEND

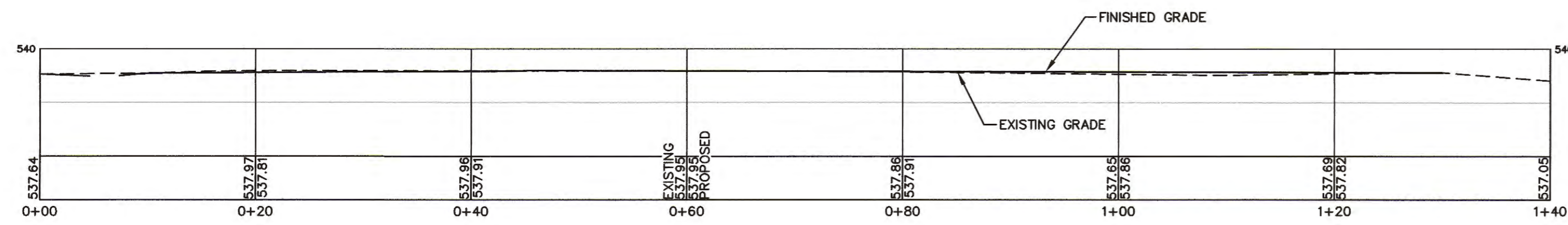
- SILT FENCE OR WATTLE
- SS --- EXISTING STORM SEWER
- UT --- EXISTING UNDERGROUND TELEPHONE
- UE --- EXISTING UNDERGROUND ELECTRIC
- CRACK SEALING
- BP-1 ASPHALT SURFACE COURSE AND BASE SEE DETAIL (C503)
- ASPHALT SEAL COAT SEE DETAIL (C503)

NOTES:

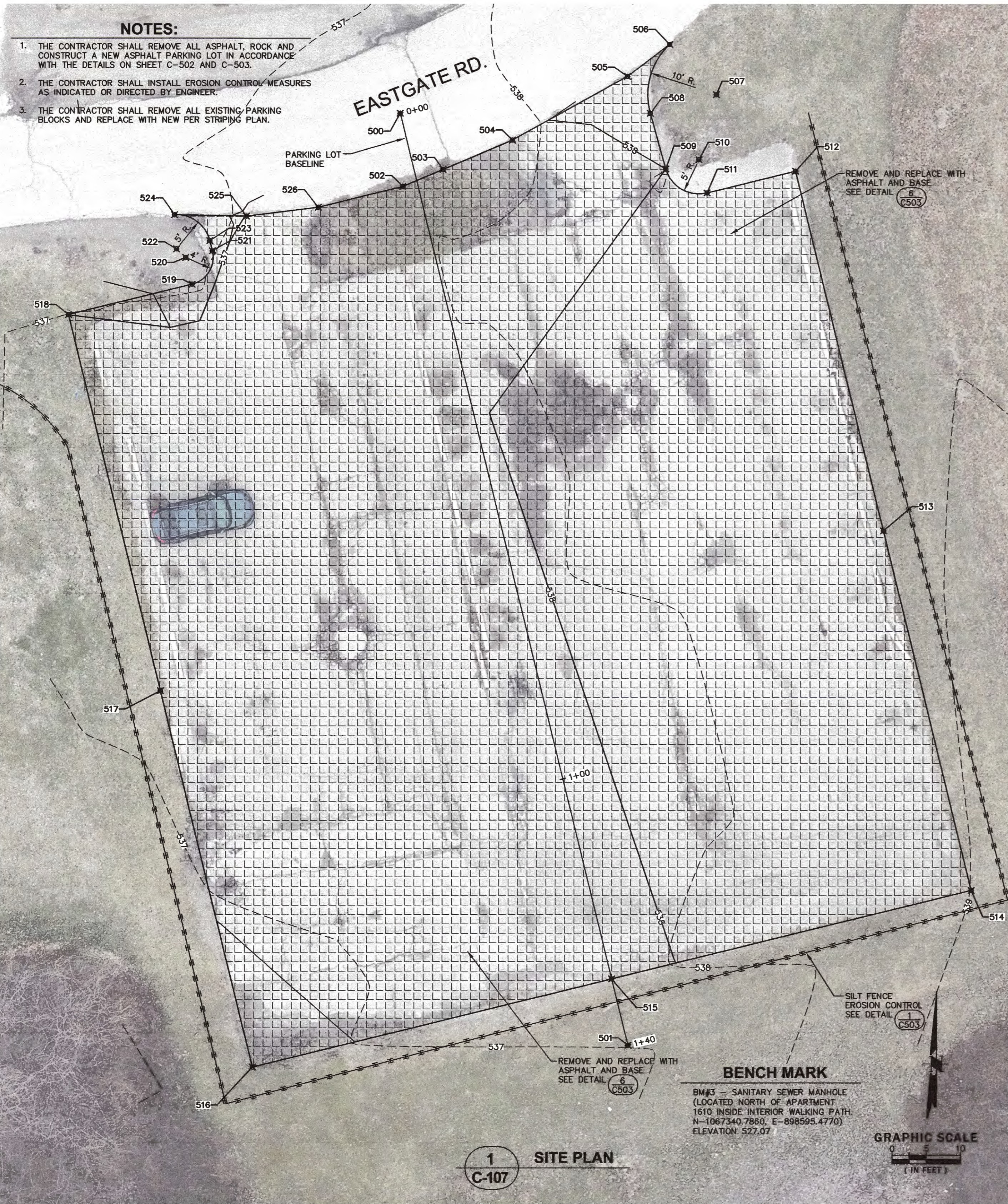
1. THE CONTRACTOR SHALL REMOVE THE EXISTING CURB AS PART OF THE DEMOLITION.
2. THE CONTRACTOR SHALL REMOVE ALL ROCK, ASPHALT AND CONSTRUCT A NEW ASPHALT PARKING LOT IN ACCORDANCE WITH THE DETAILS ON SHEET C-502 AND C-503.
3. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS INDICATED OR DIRECTED BY ENGINEER.
4. THE CONTRACTOR SHALL SEED, MULCH AND FERTILIZE THE DISTURBED GRASS ISLANDS.
5. THE CONTRACTOR SHALL REMOVE EXISTING PARKING BLOCKS AND REPLACE WITH NEW.



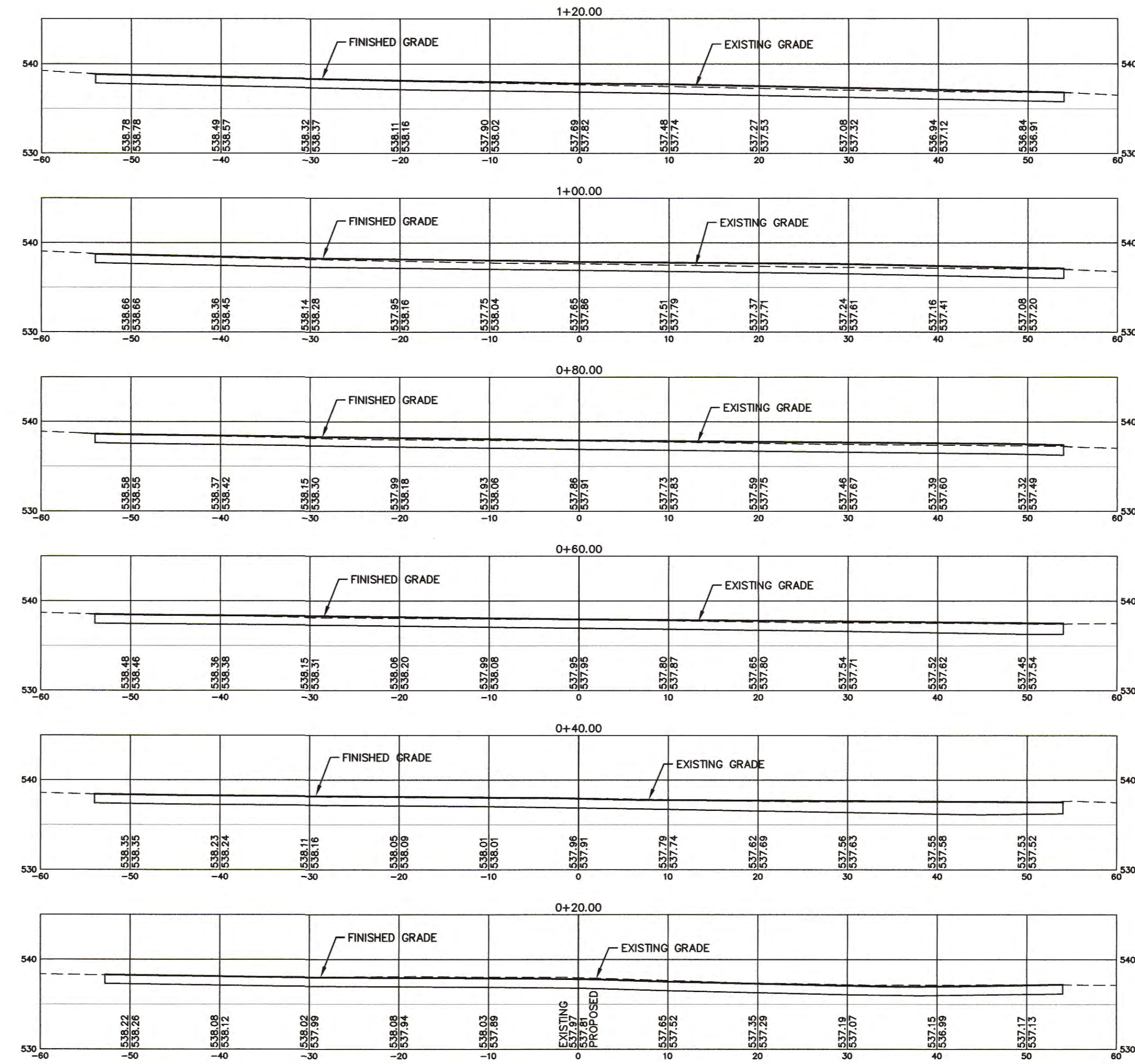
1
C-105 **SITE PLAN**



3
C-107
PARKING LOT BASELINE PROFILE

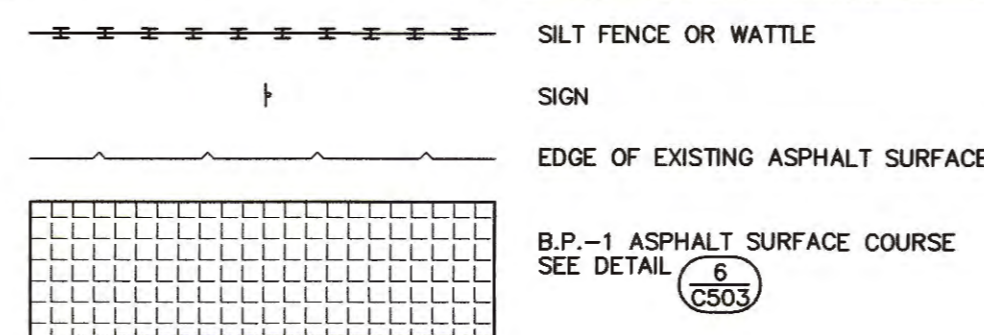


1
C-107
SITE PLAN

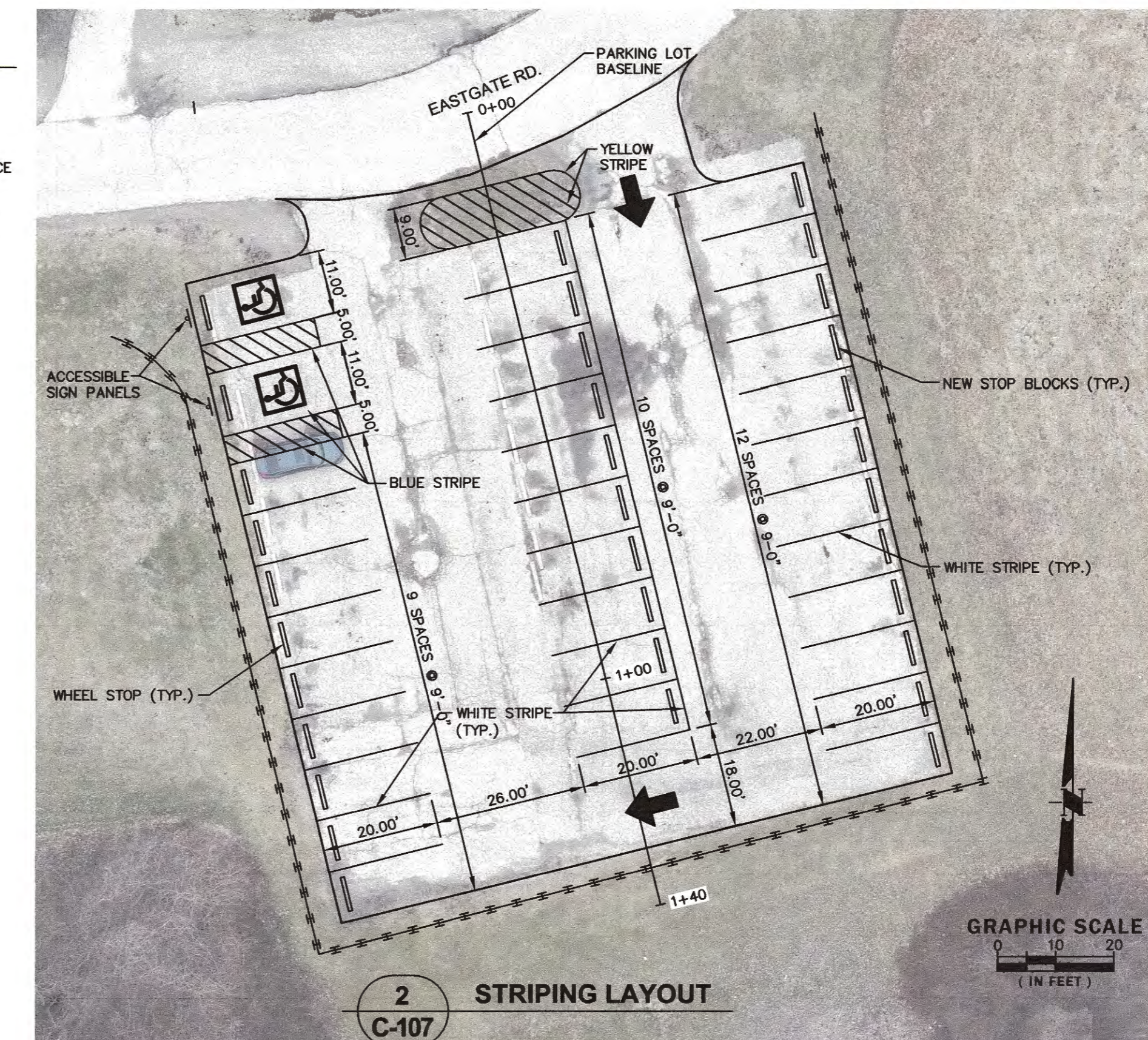


4
C-107
PARKING LOT SECTIONS

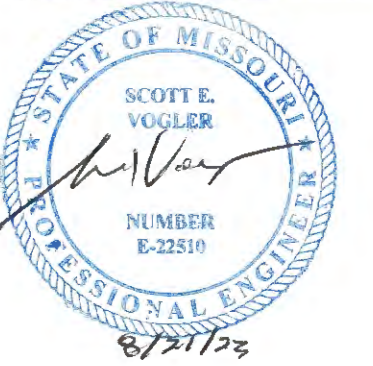
SYMBOLS / ABBREVIATIONS LEGEND



Point #	Northing	Easting	Description	ELEVATION
500	1067199.37	898849.80	BASELINE STA. 0+00	
501	1067983.41	898883.01	BASELINE STA. 1+40	
502	1067188.69	898849.09	EDGE NEW PWT	537.72
503	1067191.18	898855.86	EDGE NEW PWT	537.78
504	1067195.43	898865.99	EDGE NEW PWT	532.84
505	1067204.71	898882.76	EDGE NEW PWT	538.35
506	1067209.37	898888.90	EDGE NEW PWT	538.24
507	1067202.05	898895.71	R. PNT	
508	1067199.34	898886.09	EDGE NEW PWT	538.12
509	1067191.22	898888.37	EDGE NEW PWT	538.00
510	1067192.57	898893.18	EDGE NEW PWT	
511	1067187.72	898894.36	R. PNT	538.12
512	1067190.89	898907.29	EDGE NEW PWT	538.30
513	1067138.45	898920.17	EDGE NEW PWT	538.60
514	1067086.01	898933.06	EDGE NEW PWT	538.92
515	1067073.12	898980.62	EDGE NEW PWT	537.80
516	1067060.24	898828.18	EDGE NEW PWT	536.68
517	1067115.10	898814.70	EDGE NEW PWT	537.34
518	1067169.97	898801.21	EDGE NEW PWT	537.15
519	1067174.41	898819.27	EDGE NEW PWT	536.93
520	1067178.29	898818.32	R. PNT	
521	1067179.25	898822.20	EDGE NEW PWT	538.84
522	1067179.54	898818.98	R. PNT	
523	1067180.74	898821.84	EDGE NEW PWT	538.82
524	1067184.53	898816.69	EDGE NEW PWT	538.70
525	1067184.34	898827.18	EDGE NEW PWT	537.08
526	1067185.64	898837.88	EDGE NEW PWT	537.33



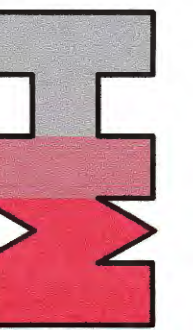
2
C-107
STRIPING LAYOUT



SCOTT E. VOGLER
PROFESSIONAL ENGINEER
LICENSE NO. E-22510

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ENGINEERS, LLC
www.meco-henehan.com
MO 201900041 EXPIRES: DECEMBER 31, 2026



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SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

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ISSUE DATE: 07/10/2023

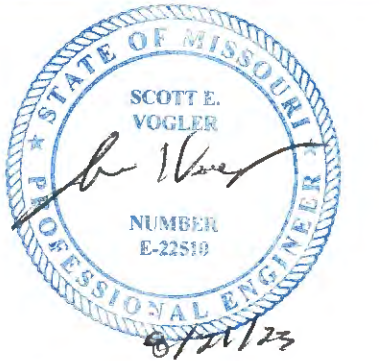
CAD DWG FILE: 801001SITE
DRAWN BY: R. HAYES / S. LONG
CHECKED BY: C. HUDDLESTON
DESIGNED BY: S. VOGLER

SHEET TITLE:
**PARKING LOT NO. 5
IMPROVEMENT &
MARKING PLANS**

SHEET NUMBER:

C-107

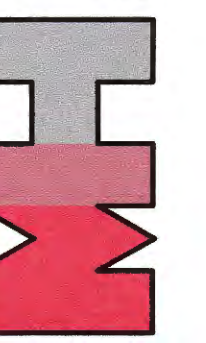
SHEET 11 OF 28
JULY 10, 2023



SCOTT E. VOGLER
PROFESSIONAL ENGINEER
LICENSE NO. E-22510

OFFICE LOCATION:
400 N. FIFTH STREET
SUITE 107
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ENGINEERS, LLC
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MID-MISSOURI EXPRESSES, DECEMBER 31, 2020



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MISSOURI DEPARTMENT
OF MENTAL HEALTH

REPAIR PAVING /
INFRASTRUCTURE
AND STONE WALL

BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION:
DATE: _____
REVISION:
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DATE: _____
ISSUE DATE: 07/10/2023

CAD DWG FILE: 801001SITE
DRAWN BY: R.HAYES/ALONG
CHECKED BY: CHUDDLESTON
DESIGNED BY: S.VOGLER

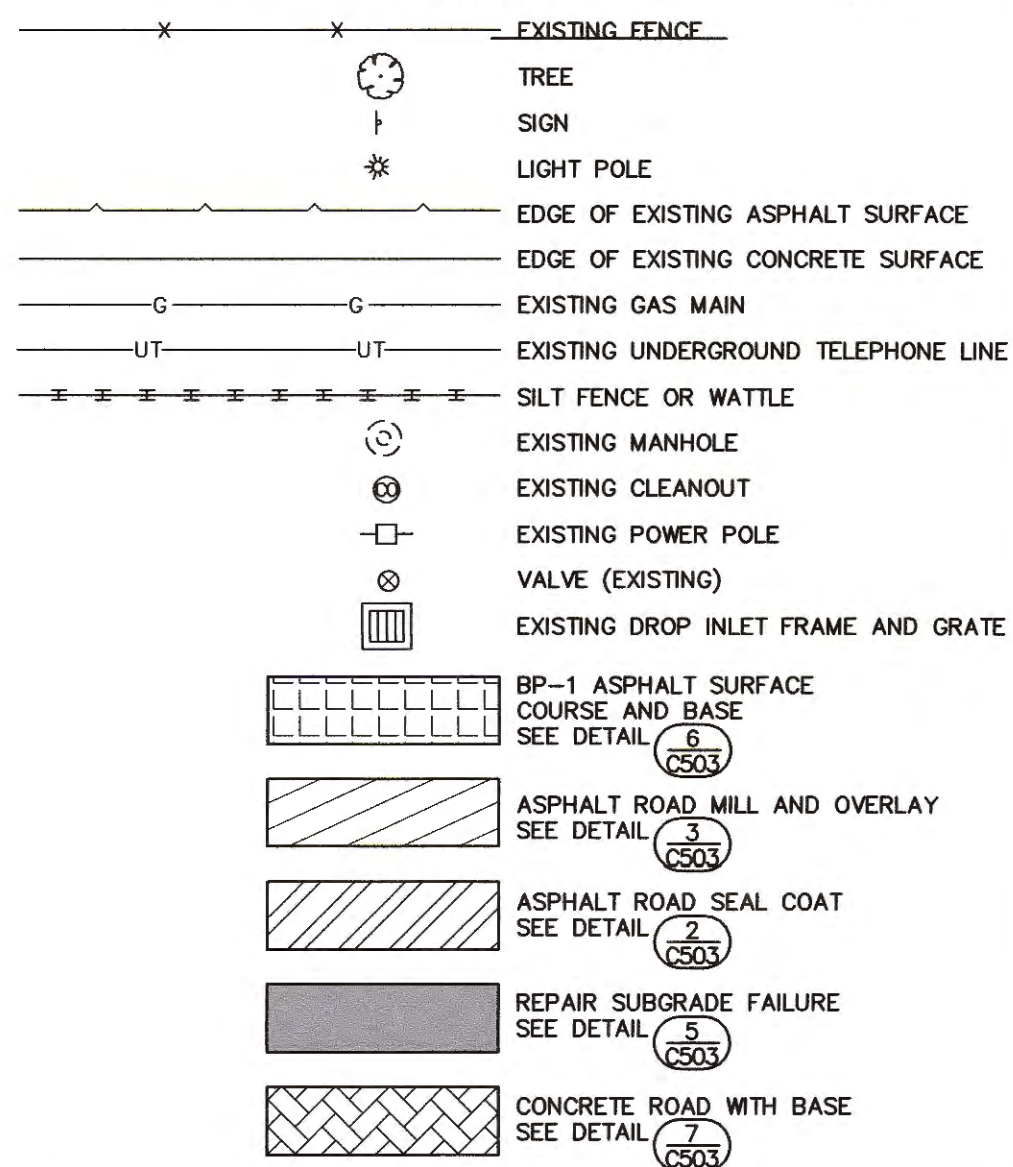
SHEET TITLE:
**ROADWAY
IMPROVEMENT PLAN**

SHEET NUMBER:

C-108

SHEET 12 OF 28
JULY 10, 2023

SYMBOLS / ABBREVIATIONS LEGEND



Road-Centerline					
Number	Line/Chord Length	Radius	Line/Chord Direction	Start Northing	Start Easting
L1	10.85'		S82°33'14.50"W	1067606.23	898037.15
C1	37.69'	93.00'	S14°09'45.32"E	1067599.59	898036.67
L2	55.99'		S29°46'16.12"W	1067553.30	898027.51
C2	38.70'	93.00'	S38°00'03.00"W	1067502.88	898003.17
L3	83.78'		S50°13'50.07"W	1067471.83	897978.91
C3	56.89'	107.00'	S30°03'10.12"W	1067418.25	897914.54
L4	72.80'		S19°52'30.19"W	1067372.39	897882.36
C4	52.82'	82.00'	S01°29'32.19"W	1067304.12	897857.68
L5	24.42'		S16°53'25.78"E	1067252.41	897856.33
C5	170.31'	130.00'	S54°25'16.17"E	1067225.04	897863.42
L6	61.47'		N88°02'53.44"E	1067136.89	897992.24
C6	230.15'	1207.00'	N82°35'08.33"E	1067136.89	898003.68
L7	41.51'		N77°07'23.21"E	1067168.84	898281.56
C7	18.24'	93.00'	N82°44'33.52"E	1067177.89	898322.02
L8	44.05'		N88°21'43.82"E	1067180.19	898340.09
C8	37.79'	113.00'	S82°03'24.46"E	1067181.45	898384.13

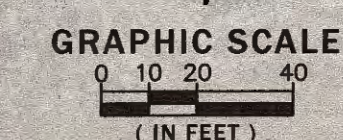
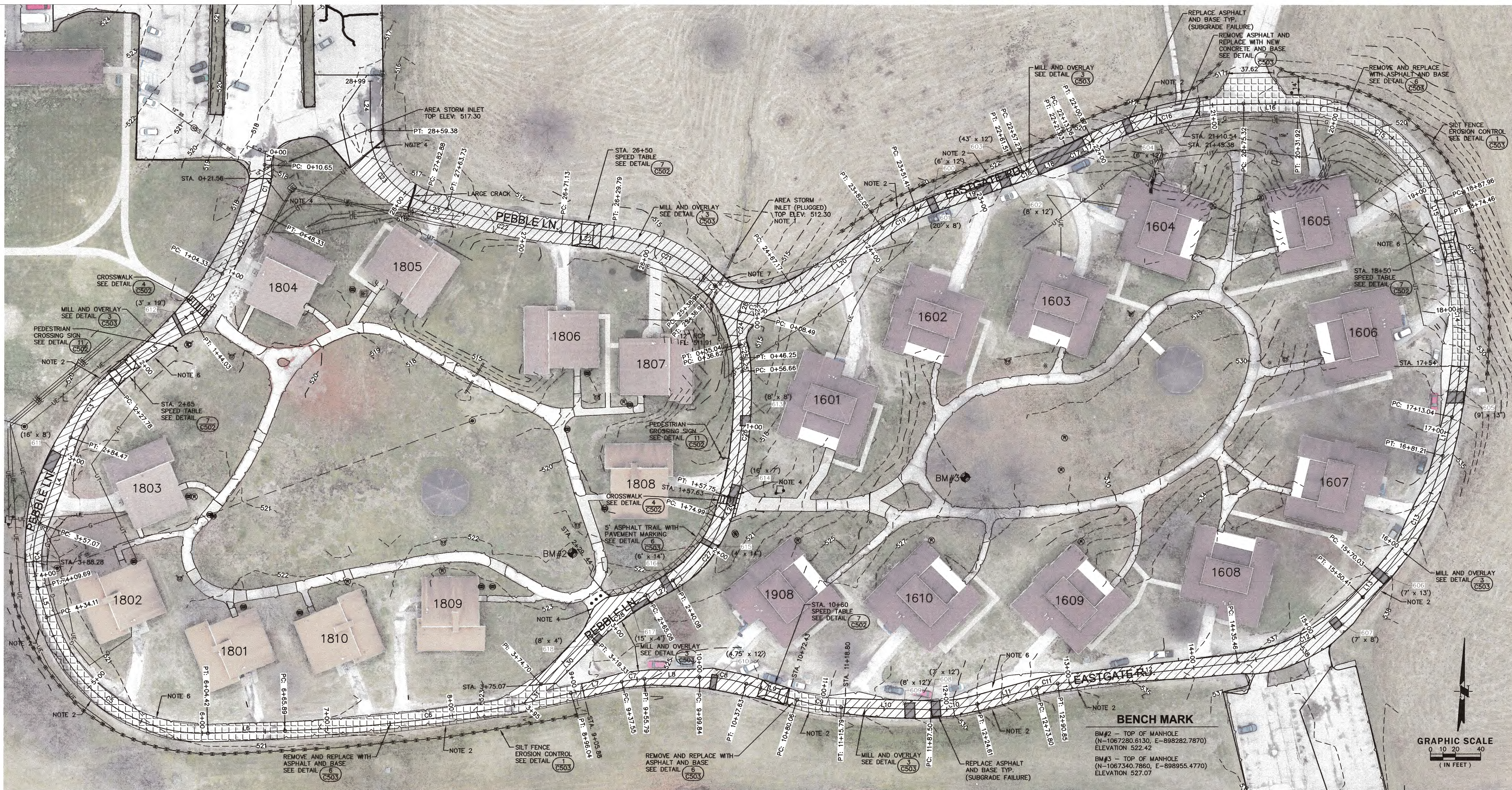
Road-Centerline					
Number	Line/Chord Length	Radius	Line/Chord Direction	Start Northing	Start Easting
L9	42.43'		S72°28'32.74"E	1067176.25	898421.38
C9	35.72'	127.00'	S86°30'03.16"E	1067163.48	898461.84
L10	71.72'		S86°30'03.16"E	1067157.62	898496.98
C10	37.11'	127.00'	N83°02'11.40"E	1067155.86	898568.68
L11	48.19'		N74°39'56.41"E	1067160.34	898605.36
C11	17.05'	113.00'	N78°59'16.23"E	1067173.35	898652.80
L12	144.61'		N83°18'42.06"E	1067176.60	898669.52
C12	114.95'	157.00'	N62°20'10.51"E	1067193.44	898813.14
L13	19.62'		N41°21'38.97"E	1067245.63	898912.70
C13	111.18'	227.00'	N27°19'44.55"E	1067260.35	898925.68
L14	31.82'		N13°17'50.13"E	1067358.15	898976.19
C14	161.43'	282.00'	N03°06'08.28"W	1067389.12	898983.51
L15	13.49'		N19°30'02.69"W	1067548.11	898974.90
C15	143.96'	117.00'	N54°45'01.35"W	1067560.83	898970.39
L16	43.41'		N90°00'00.00"W	1067638.78	898860.11
C16	124.75'	257.00'	S76°05'39.88"W	1067638.78	898816.70

Road-Centerline					
Number	Line/Chord Length	Radius	Line/Chord Direction	Start Northing	Start Easting
L17	13.29'		S62°11'19.75"W	1067608.09	898996.79
C17	8.57'	93.00'	S64°49'48.46"W	1067602.89	898985.04
L18	35.34'		S67°28'17.17"W	1067599.24	898977.28
C18	4.24'	93.00'	S68°46'42.77"W	1067585.71	898944.64
L19	89.89'		S70°05'08.37"W	1067584.17	898940.69
C19	30.65'	107.00'	S61°52'30.27"W	1067553.55	898956.17
L20	85.12'		S53°40'32.16"W	1067539.16	898929.23
C20	69.79'	50.00'	N86°20'16.71"W	1067488.74	898460.66
L21	1.25'		N46°21'05.58"W	1067492.84	898396.53
C21	91.57'	140.00'	N85°05'24.07"W	1067493.71	898395.62
L22	41.34'		N83°49'42.55"W	1067531.59	898314.04
C22	92.60'	510.00'	N78°37'36.61"W	1067536.04	898272.94
L23	18.15'		N73°25'30.67"W	1067554.27	898162.28
C23	76.51'	60.00'	N36°53'45.61"W	1067559.73	898163.93
L24	38.42'		N00°22'00.55"W	1067616.86	898121.04

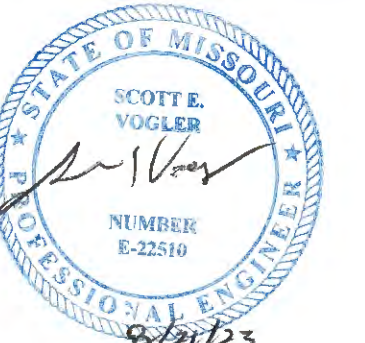
Cross over Road-Centerline					
Number	Line/Chord Length	Radius	Line/Chord Direction	Start Northing	Start Easting
L28	8.49'		S15°37'41.77"W	1067480.87	898417.57
C24	26.55'	50.00'	S00°25'00.58"W	1067472.70	898415.28
L29	1.59'		S14°47'40.61"E	1067446.46	898415.09
C25	9.63'	50.00'	S09°16'41.42"E	1067444.92	898415.50
L25	10.40'		S03°45'42.22"E	1067435.44	898417.05
C26	101.09'	293.00'	S06°07'21.65"W	1067425.05	898417.73
L26	17.24'		S16°00'25.51"W	1067325.04	898407.00
C27	65.06'	83.00'	S38°28'28.00"W	1067308.47	898402.25
L27	25.00'		S60°58'28.48"W	1067258.90	898362.78
C28	54.26'	207.00'	S53°25'54.22"W	1067246.66	898340.93
L30	55.37'		S45°55'21.95"W	1067214.43	898297.47
L31	20.58'		S42°11'14.58"W	1067175.91	898287.70

Control Point Table				
Point #	Northing	Easting	Description	ELEVATION
600	1067564.16	898569.74	NW COR. PATCH	
601	1067561.59	898568.19	SW COR. PATCH	
602	1067573.60	898532.13	SE COR. PATCH	
603	1067581.88	898541.19	SW COR. PATCH	
604	1067613.99	898723.92	SW COR. PATCH	
605	1067400.29	898992.22	SE COR. PATCH	
606	1067261.34	898933.78	NW COR. PATCH	
607	1067223.87	898968.37	SE COR. PATCH	
608	1067162.12	898958.52	NW COR. PATCH	
609	1067160.98	898547.46	NW COR. PATCH	
610	1067182.94	898386.62	NW COR. PATCH	
611	1067362.24	897987.78	NW COR. PATCH	
612	1067471.77	897965.01	NW COR. PATCH	
613	1067386.77	898424.52	NW COR. PATCH	
614	1067333.46	898416.38	NW COR. PATCH	
615	1067286.00	898399.08	NW COR. PATCH	
616	1067262.99	898357.17	NW COR. PATCH	
617	1067233.28	898331.27	SW COR. PATCH	
618	1067208.02	898301.16	SW COR. PATCH	

- NOTES:
- THE CONTRACTOR SHALL UNPLUG AND CLEANOUT THE EXISTING 12" RCP.
 - THE CONTRACTOR SHALL WIDEN THE EXISTING ASPHALT ROAD. THE CONTRACTOR MAY HAVE TO SAWCUT AND REMOVE 1"± OF EXISTING PAVEMENT TO GET A GOOD STRAIGHT EDGE ON THE EXISTING ROAD. SEE CROSS SECTIONS FOR DETAILS AND 6/C503.
 - THE CONTRACTOR SHALL REVIEW SHEET C503 FOR DETAILS OF CONSTRUCTION ON THIS SHEET.
 - THE CONTRACTOR SHALL MILL WITH A BUTT JOINT TO THE EXISTING PAVEMENT.
 - THE CONTRACTOR SHALL REVIEW THE PHASING SEQUENCE SHEET FOR CONSTRUCTION ON THIS SHEET.
 - THE CONTRACTOR SHALL GRADE TO DRAIN FROM THE INSIDE EDGE OF PAVEMENT TOWARD HOUSES TO PREVENT PONDING ADJACENT TO THE ROADWAY.
 - THE CONTRACTOR SHALL SLOPE THE ROAD TO DRAIN OVER THE EXISTING CURBVERT.



BENCH MARK
BM#2 - TOP OF MANHOLE
(N-1067280.6130, E-898282.7870)
ELEVATION 522.42
BM#3 - TOP OF MANHOLE
(N-1067340.7860, E-898955.4770)
ELEVATION 527.07



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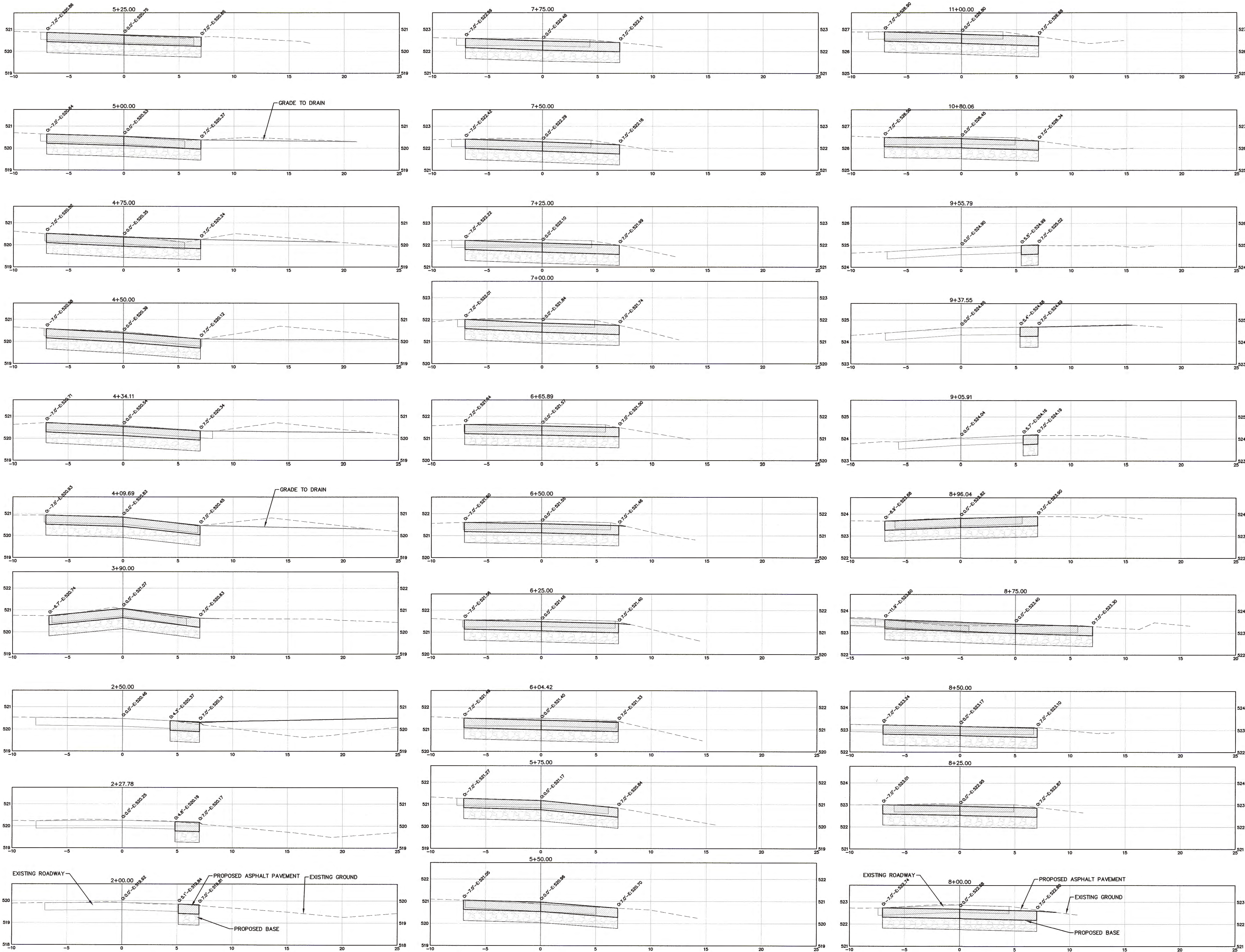
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DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

SHEET TITLE:
**ROADWAY CROSS
SECTIONS**

SHEET NUMBER:

C-109

SHEET 13 OF 28
JULY 10, 2023

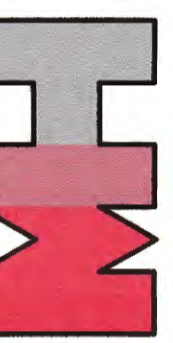




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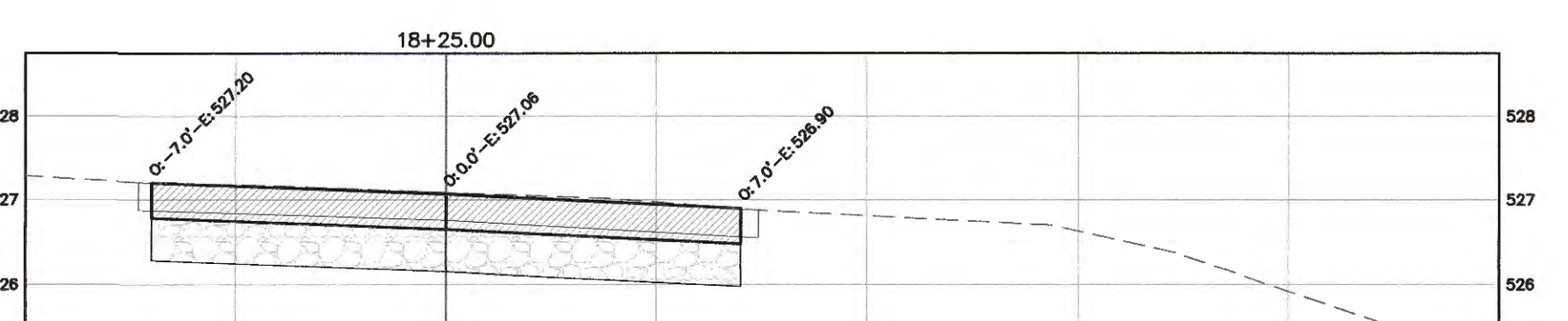
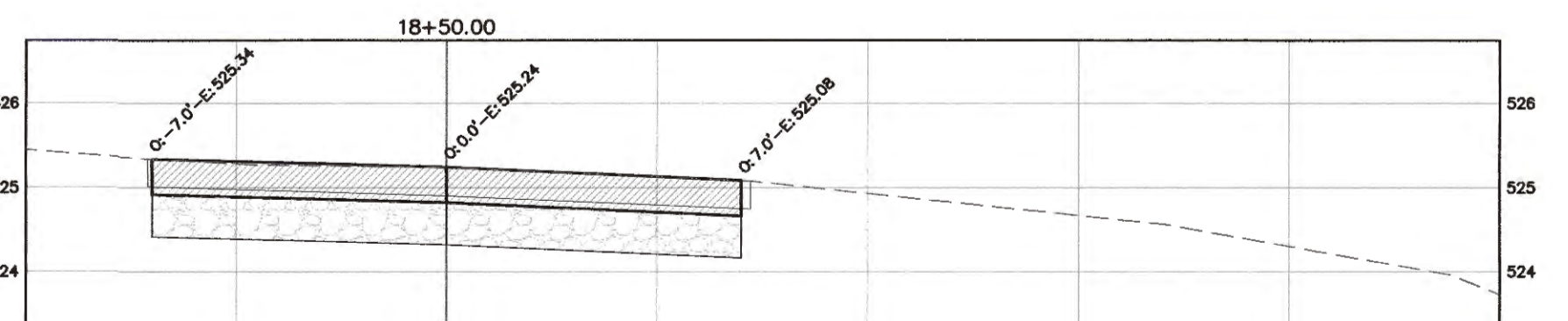
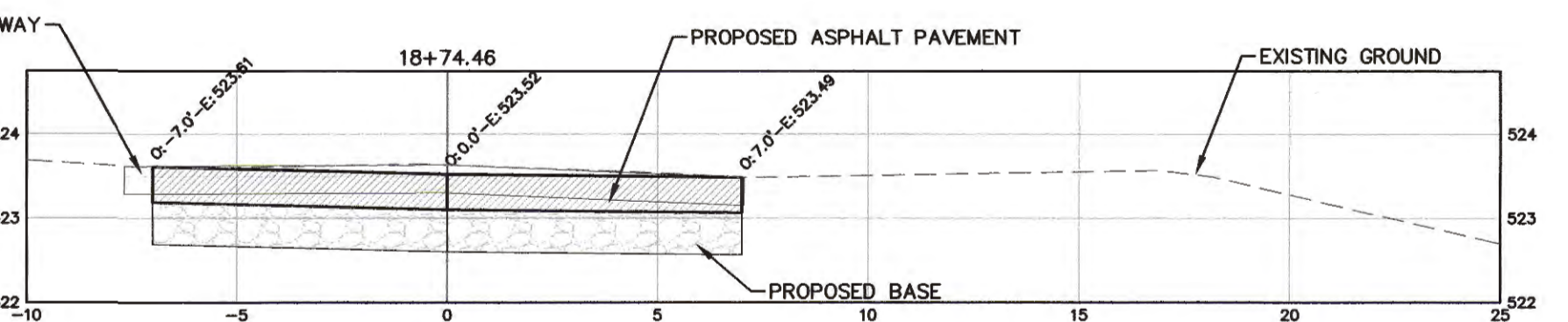
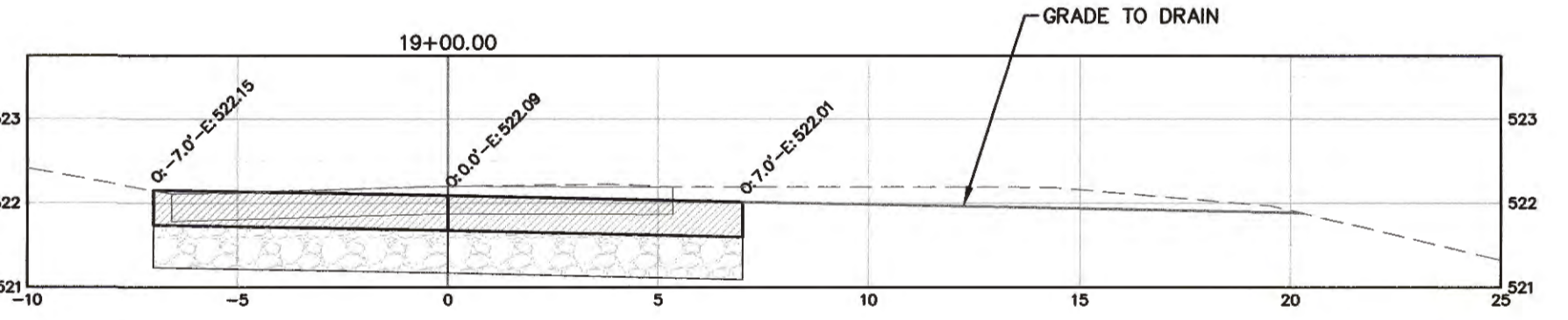
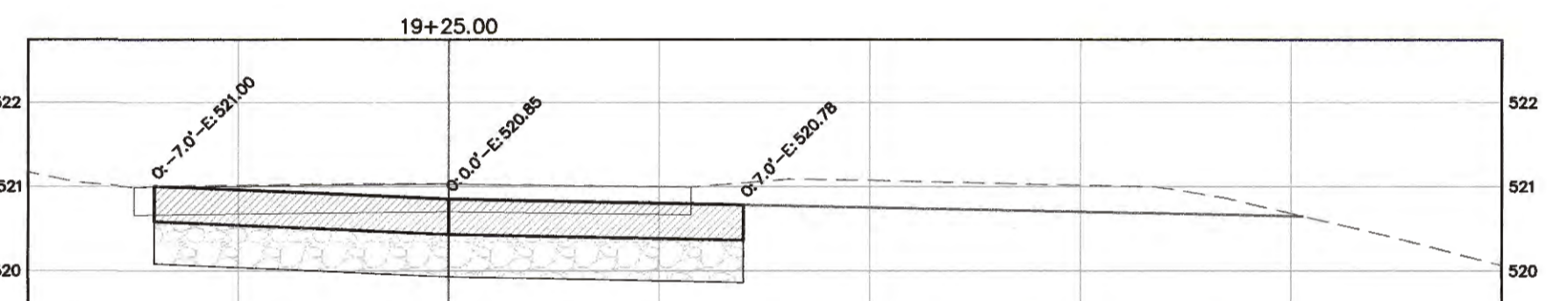
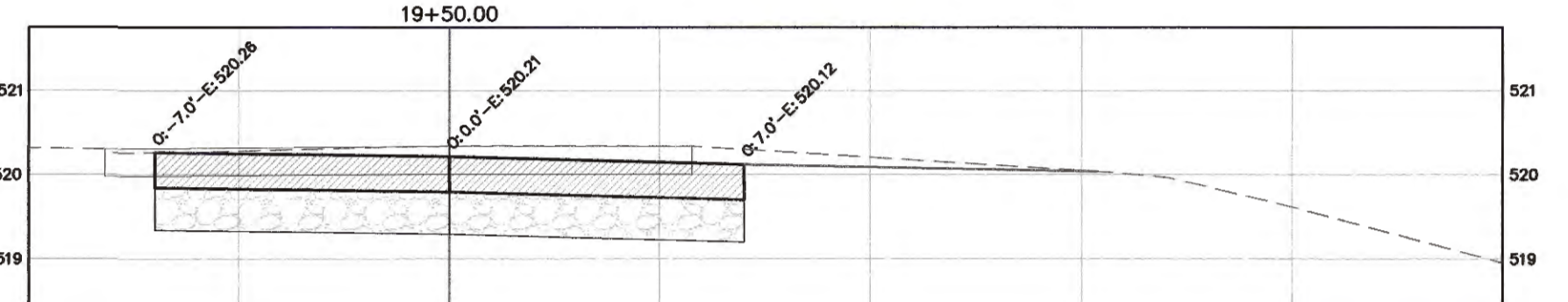
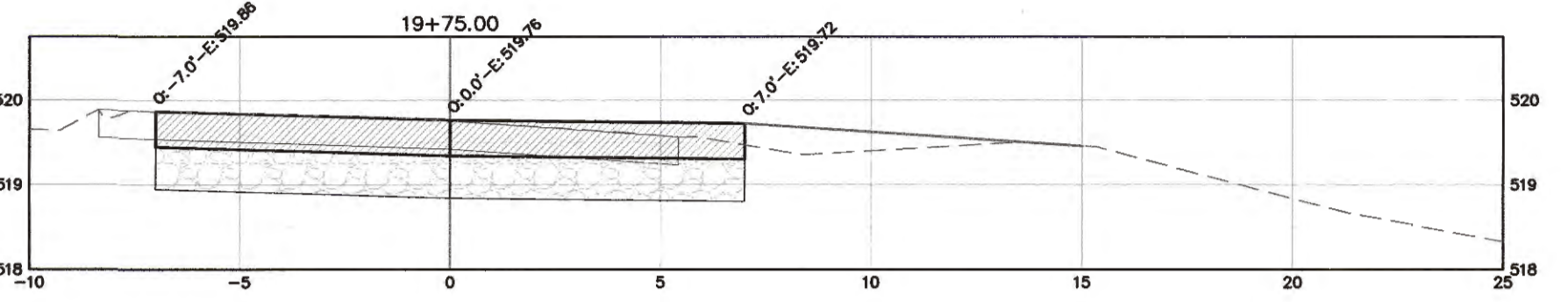
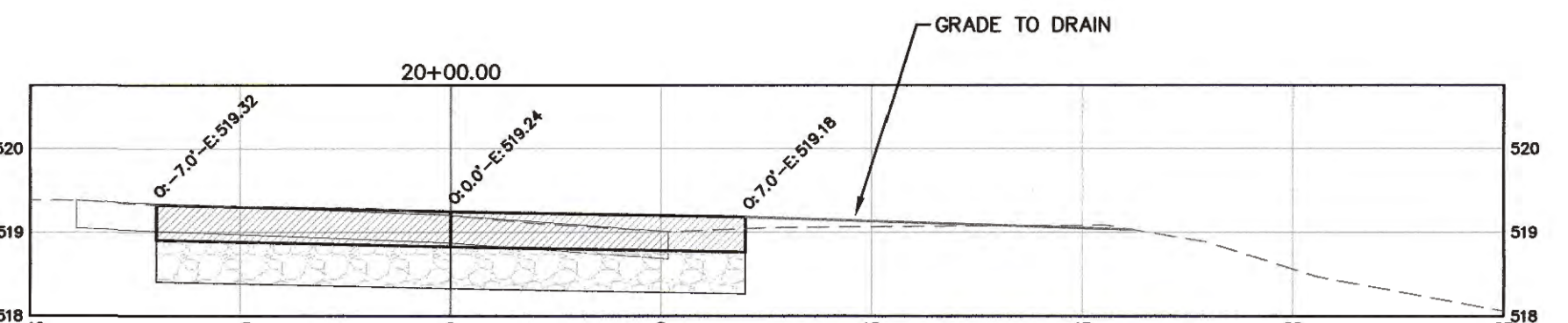
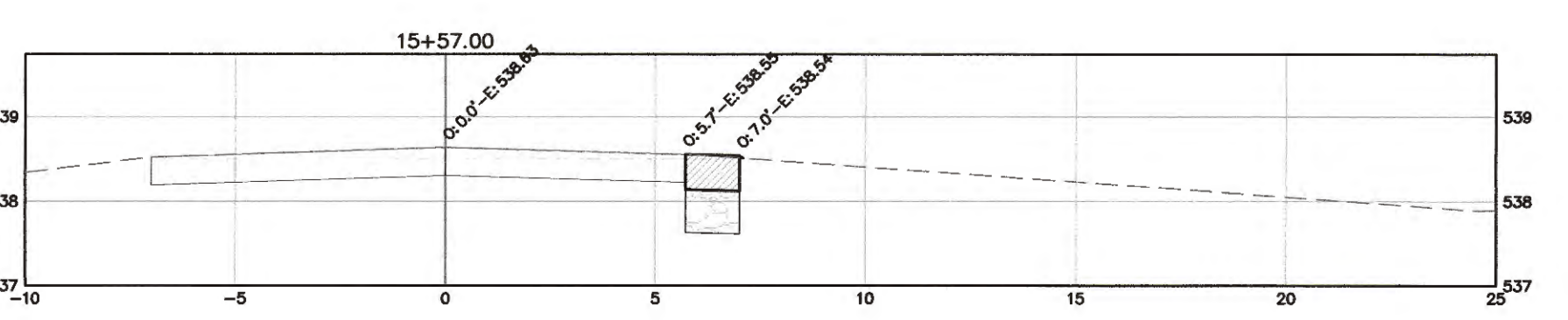
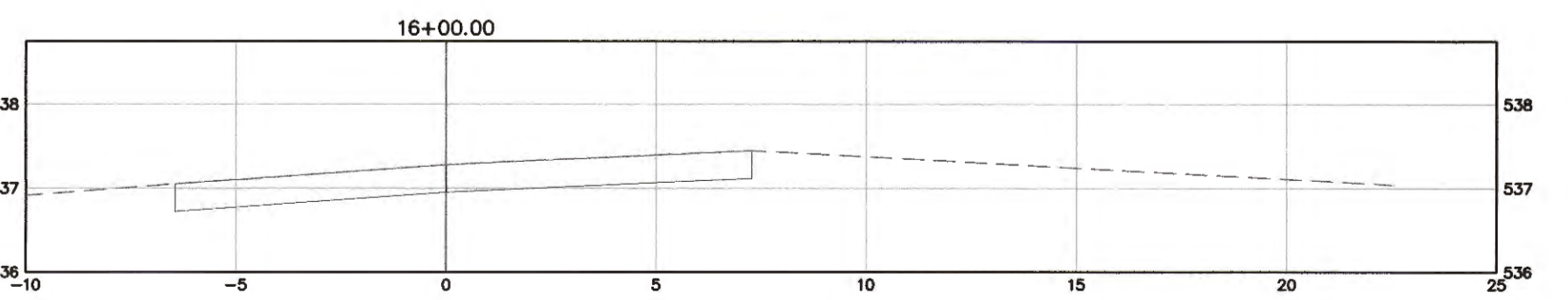
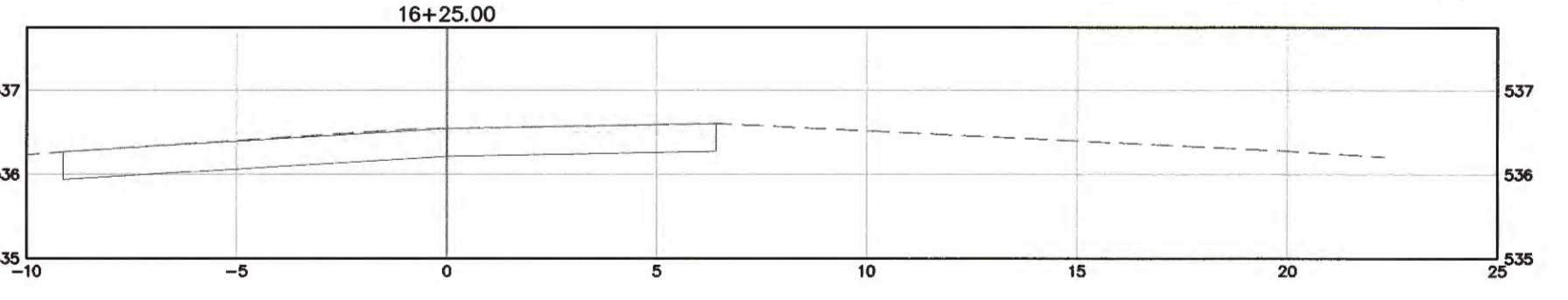
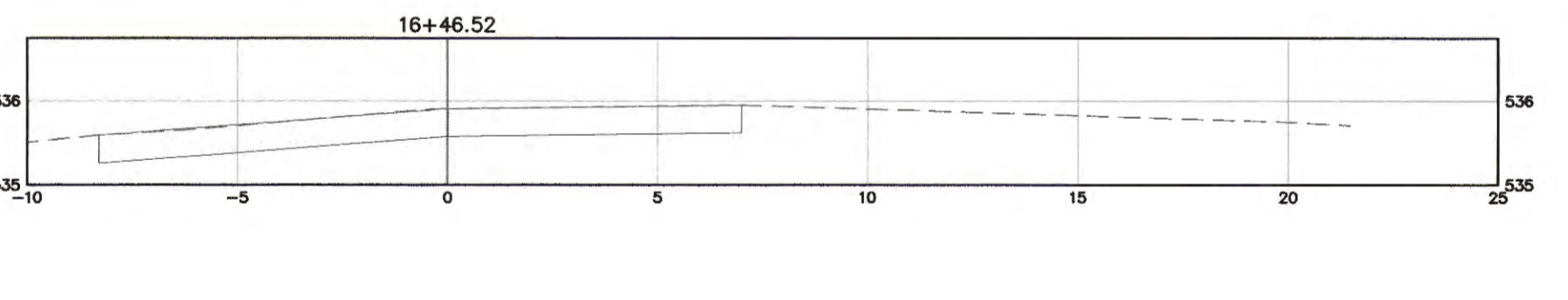
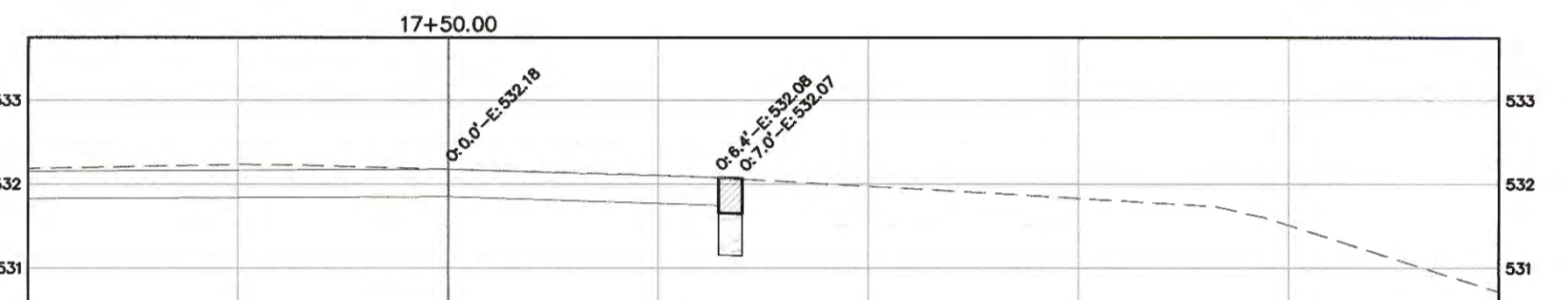
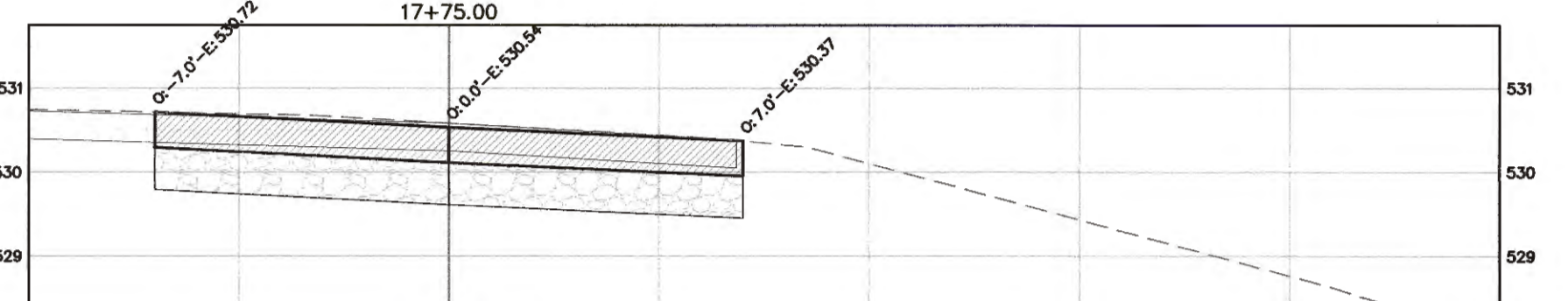
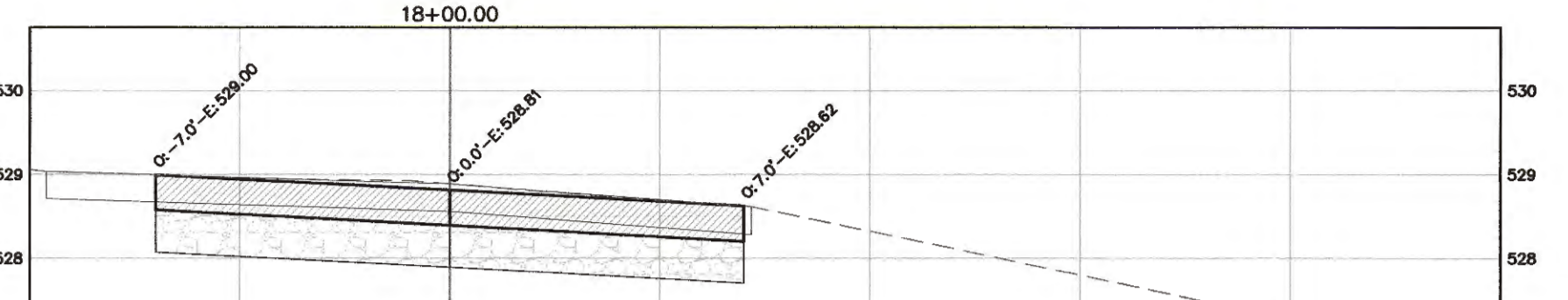
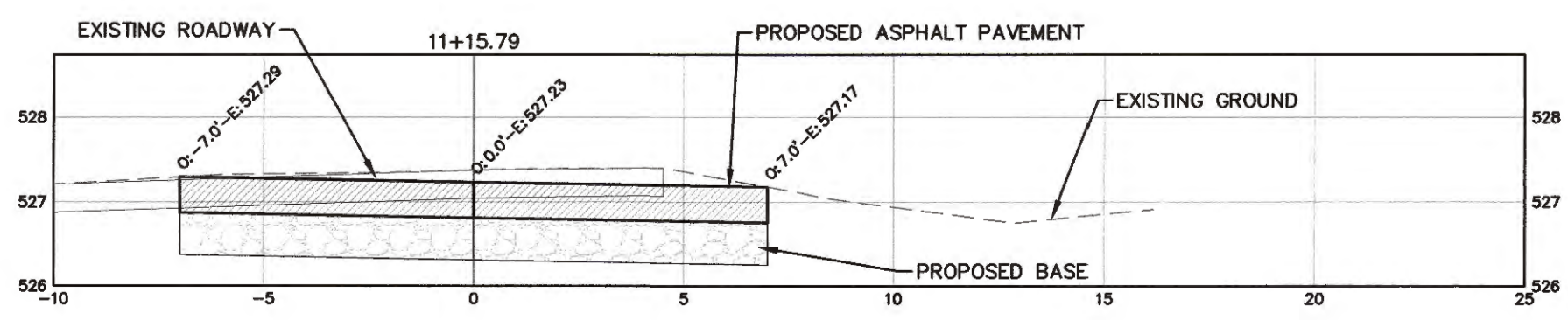
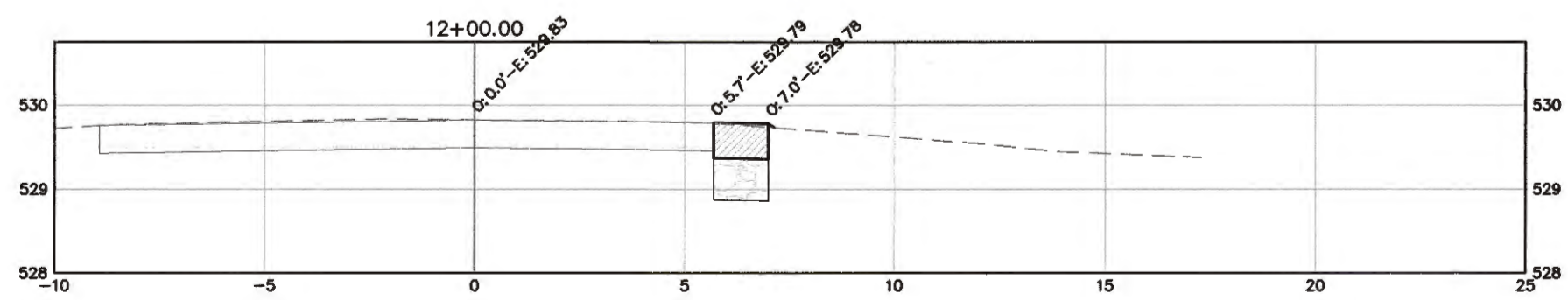
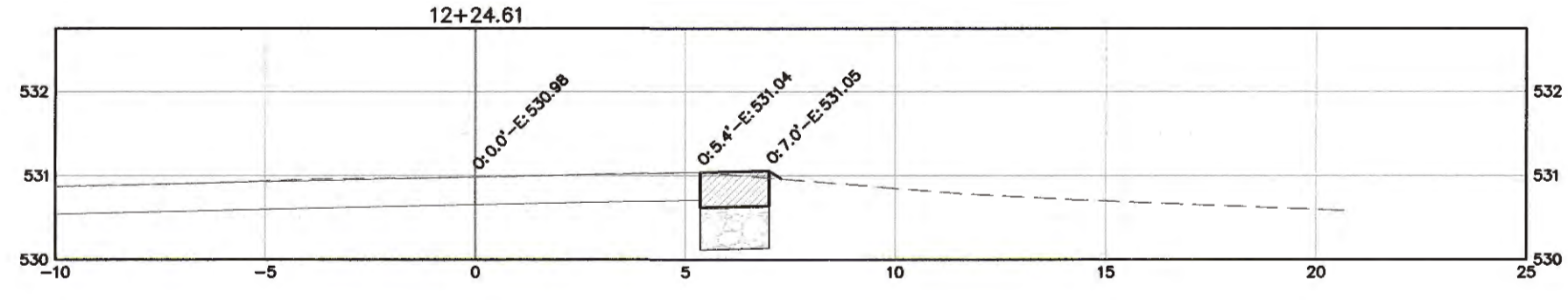
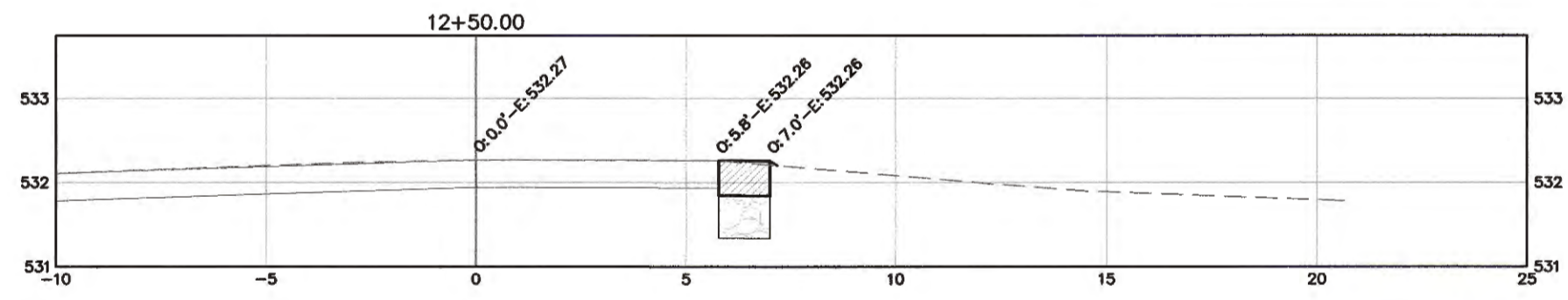
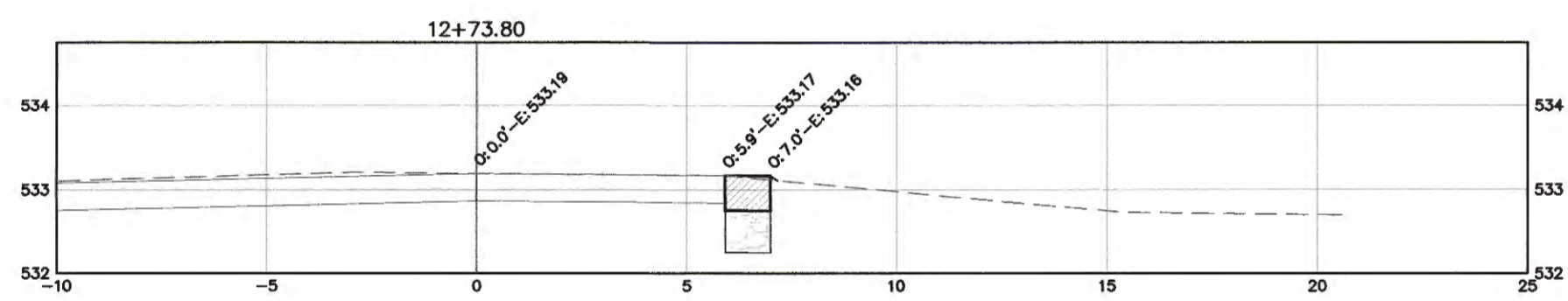
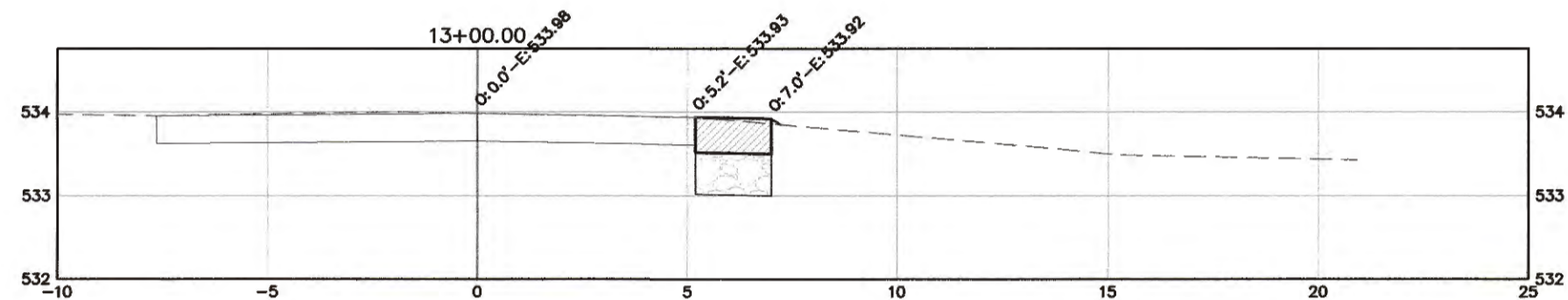
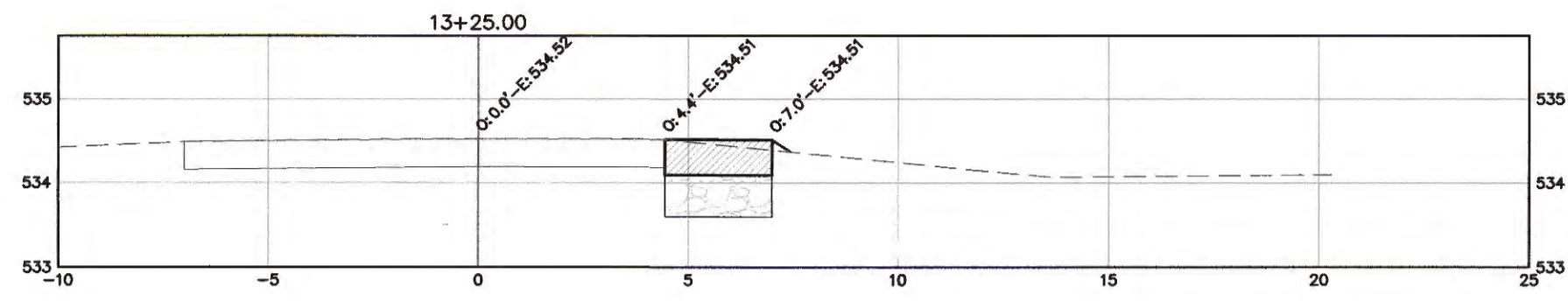
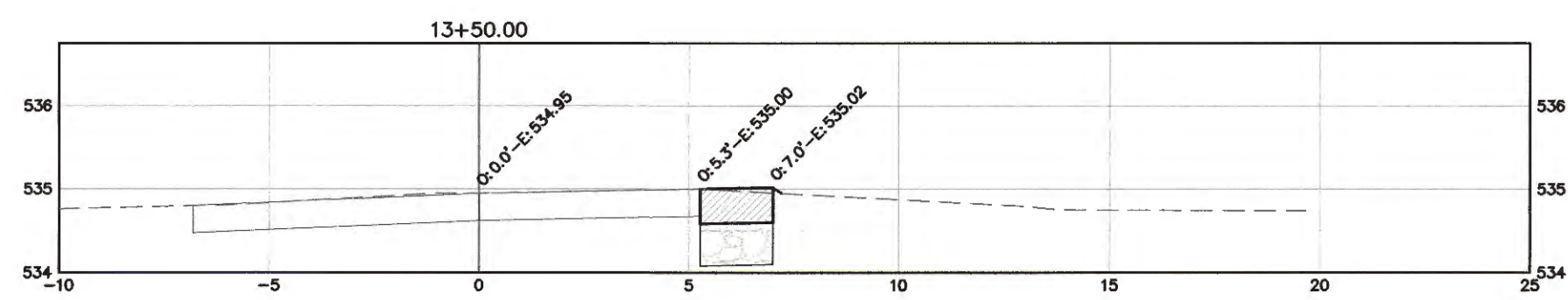
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DRAWN BY: R HAYES
CHECKED BY: C HUDDLESTON
DESIGNED BY: S VOGLER

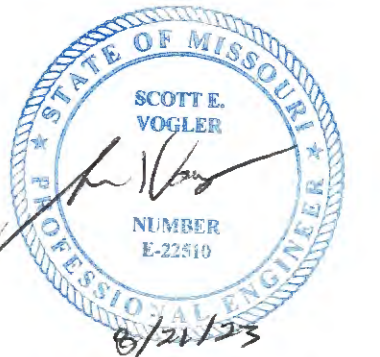
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**ROADWAY CROSS
SECTIONS**

SHEET NUMBER:

C-110

SHEET 14 OF 28
JULY 10, 2023

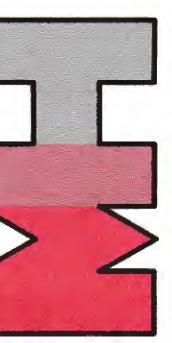




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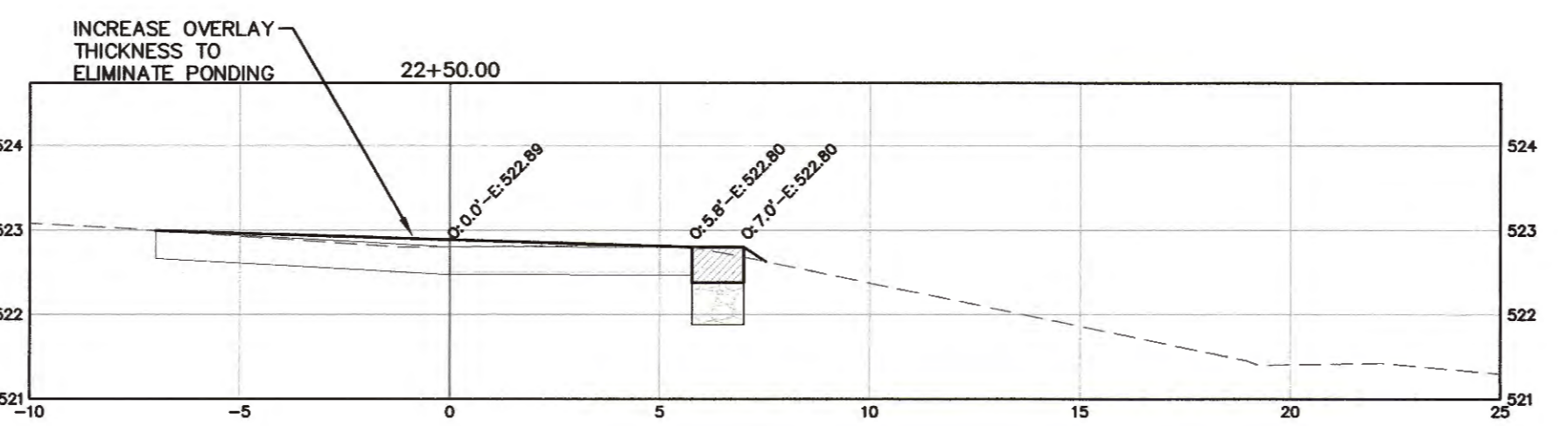
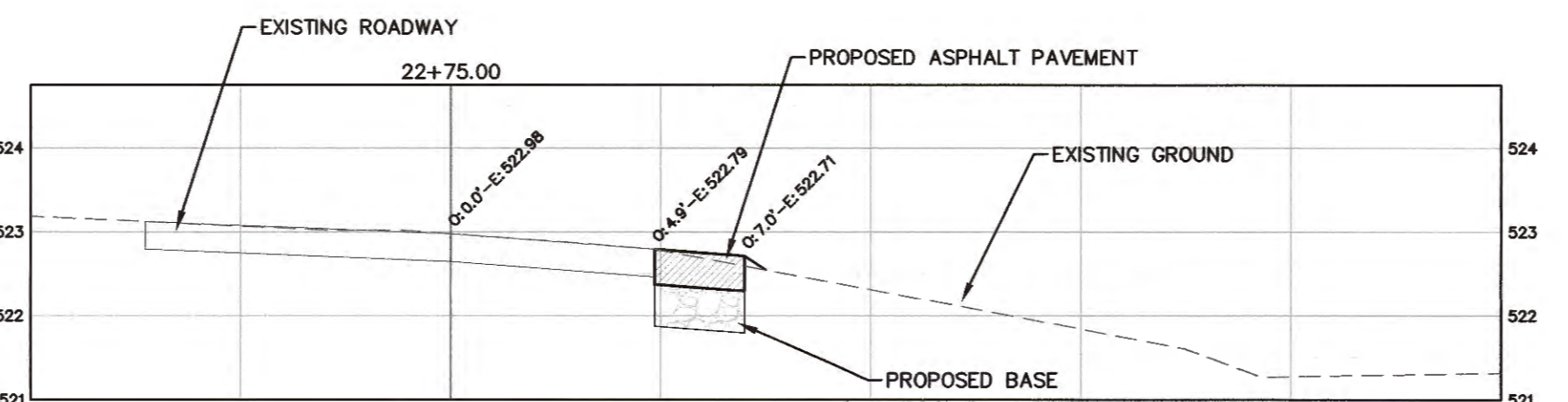
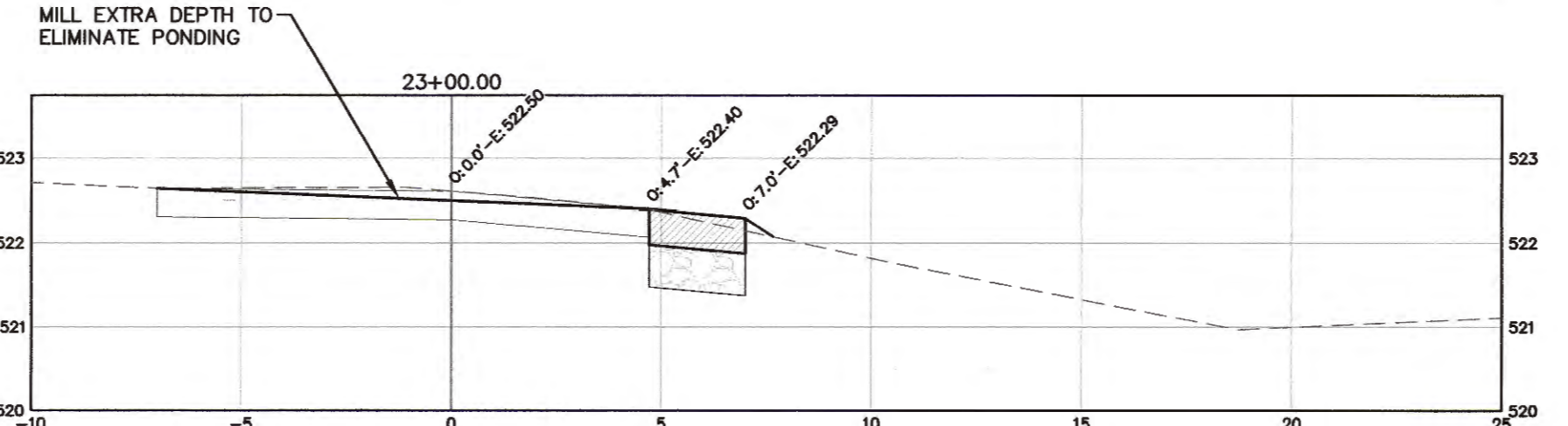
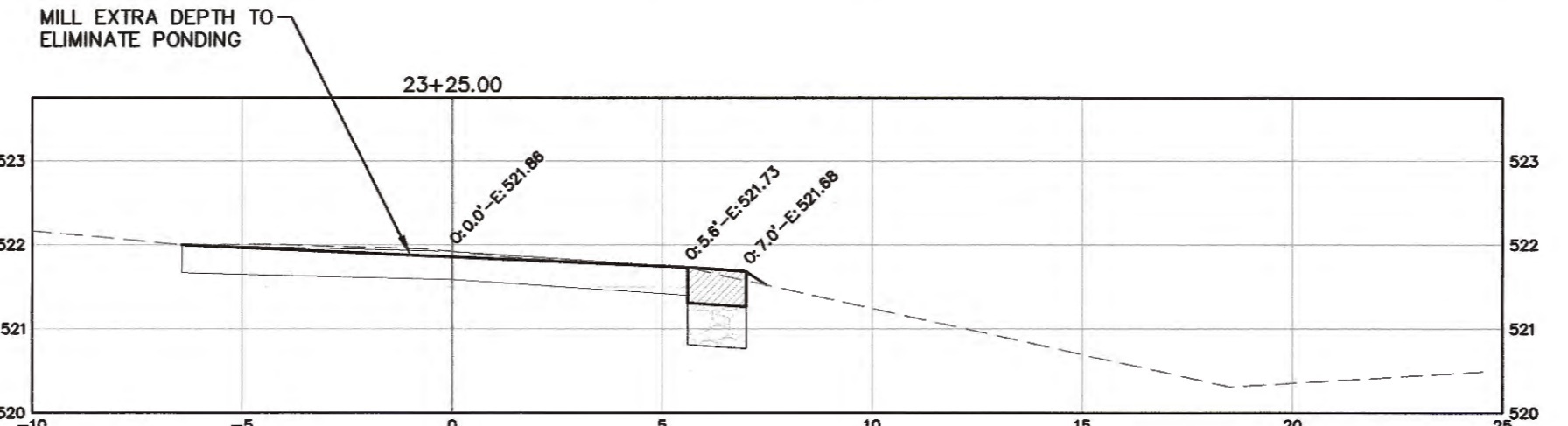
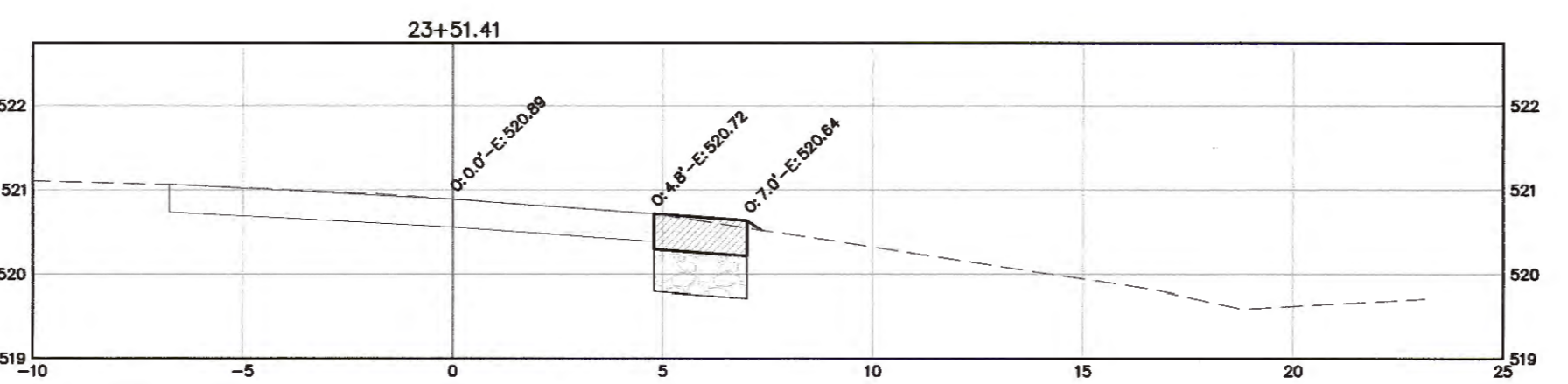
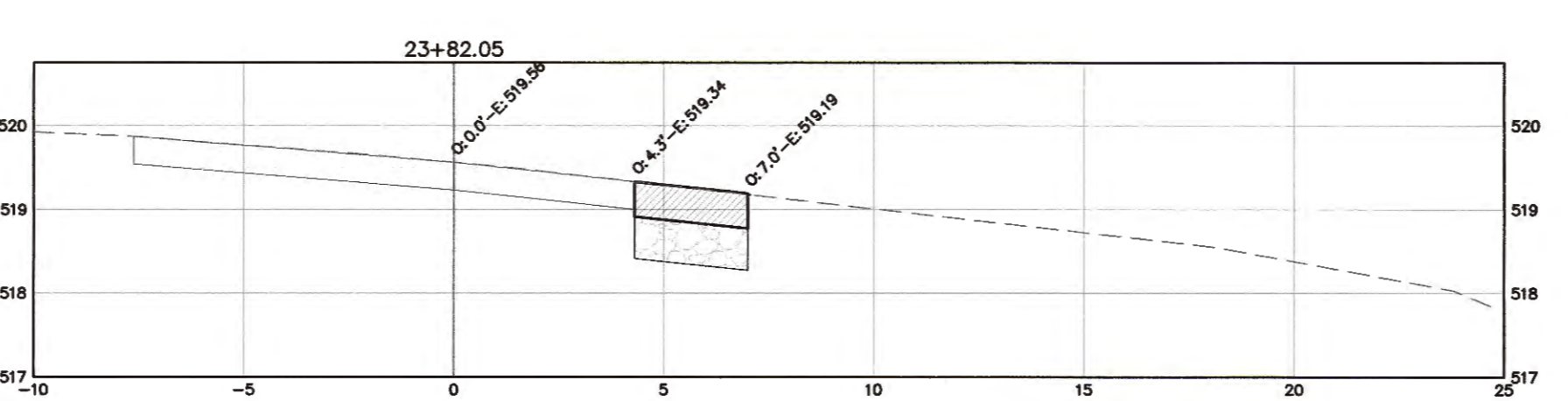
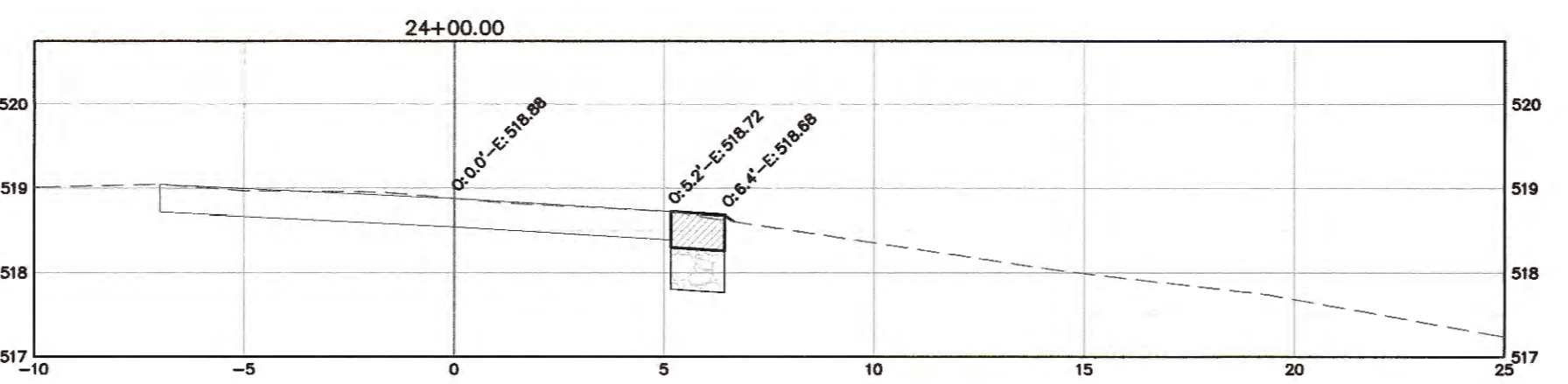
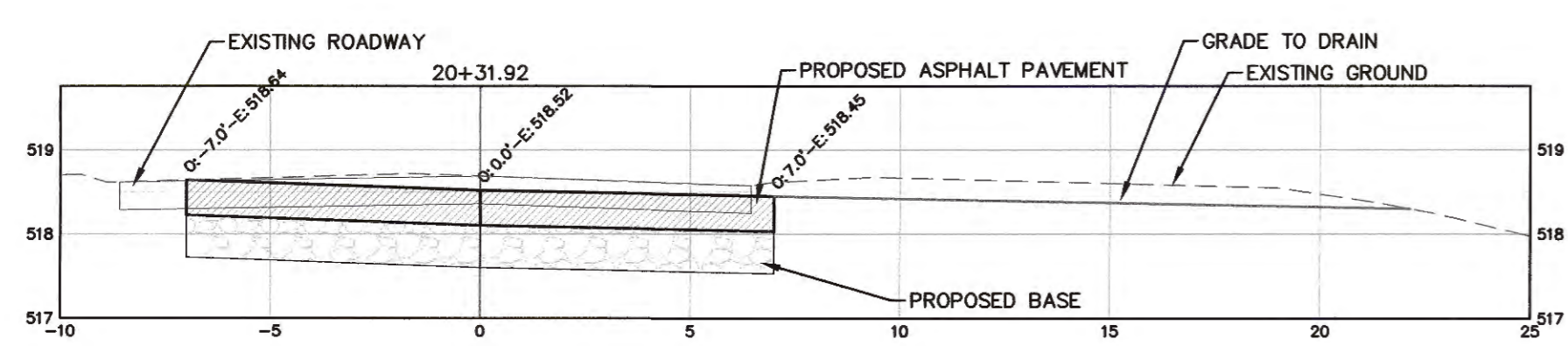
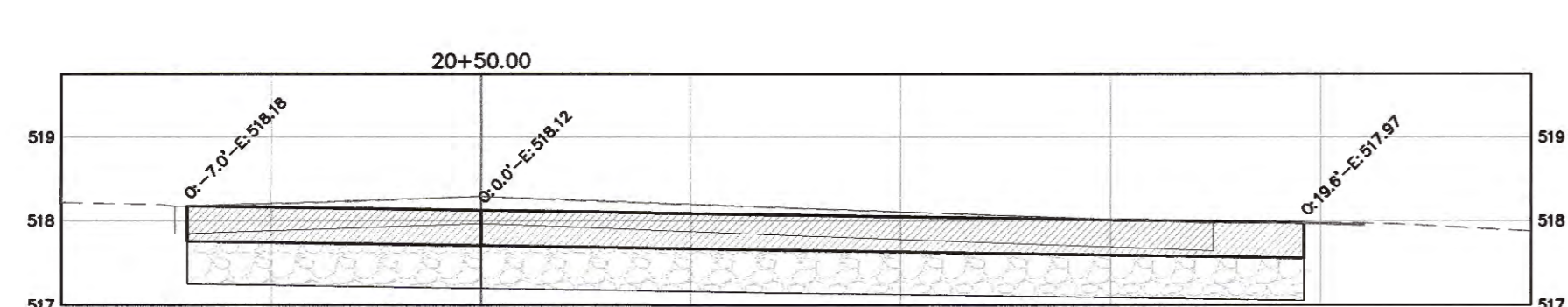
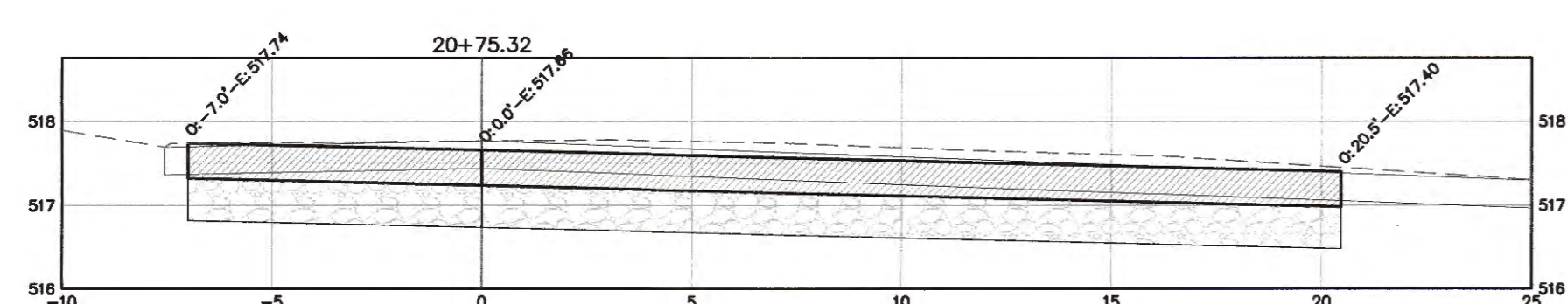
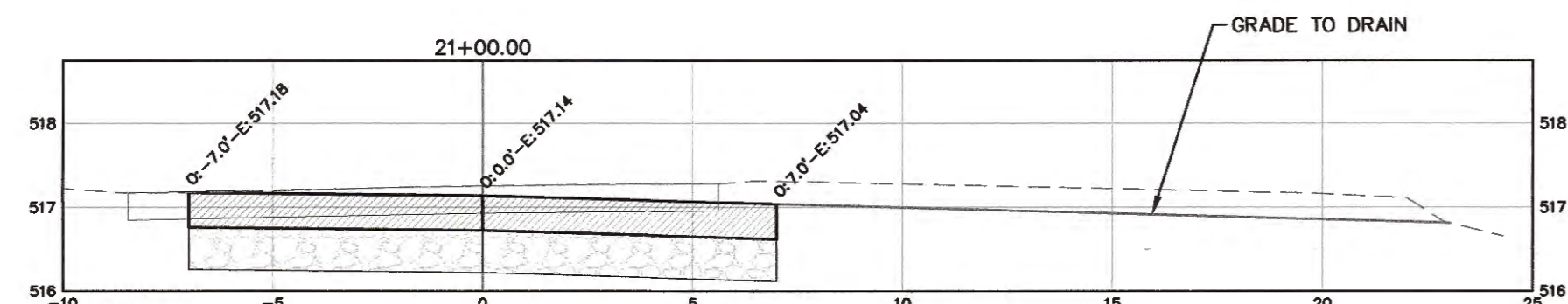
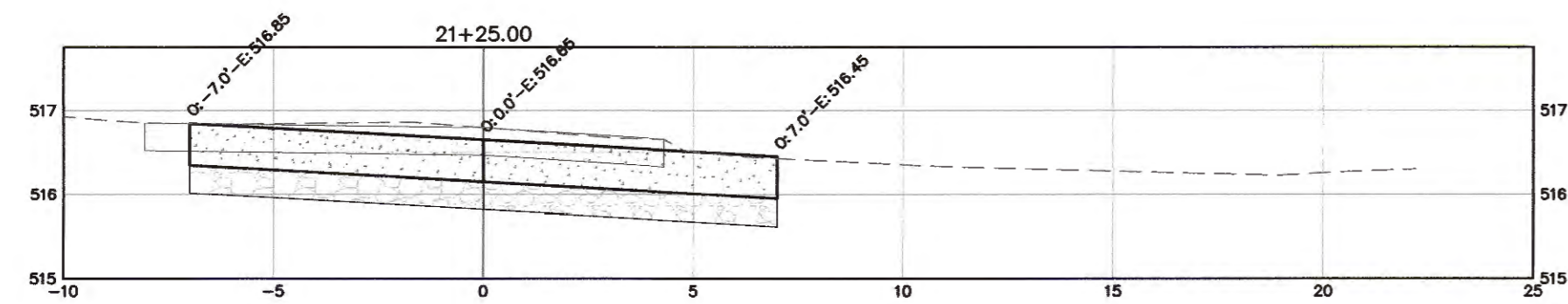
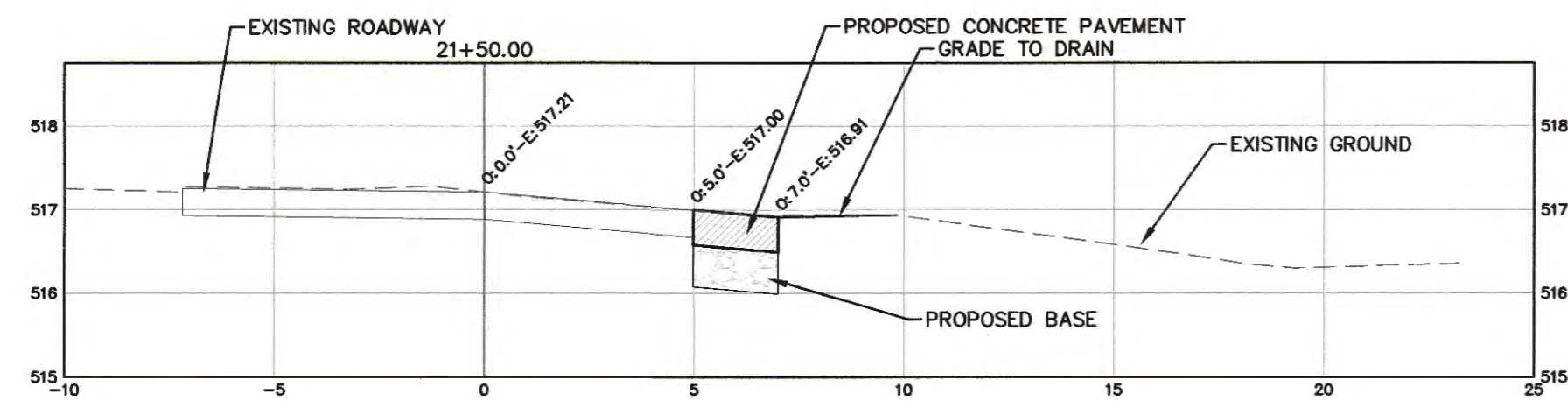
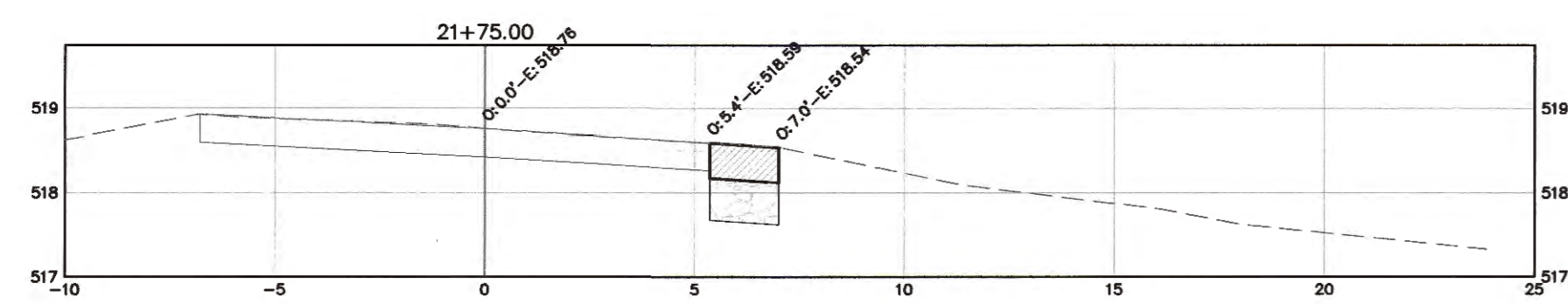
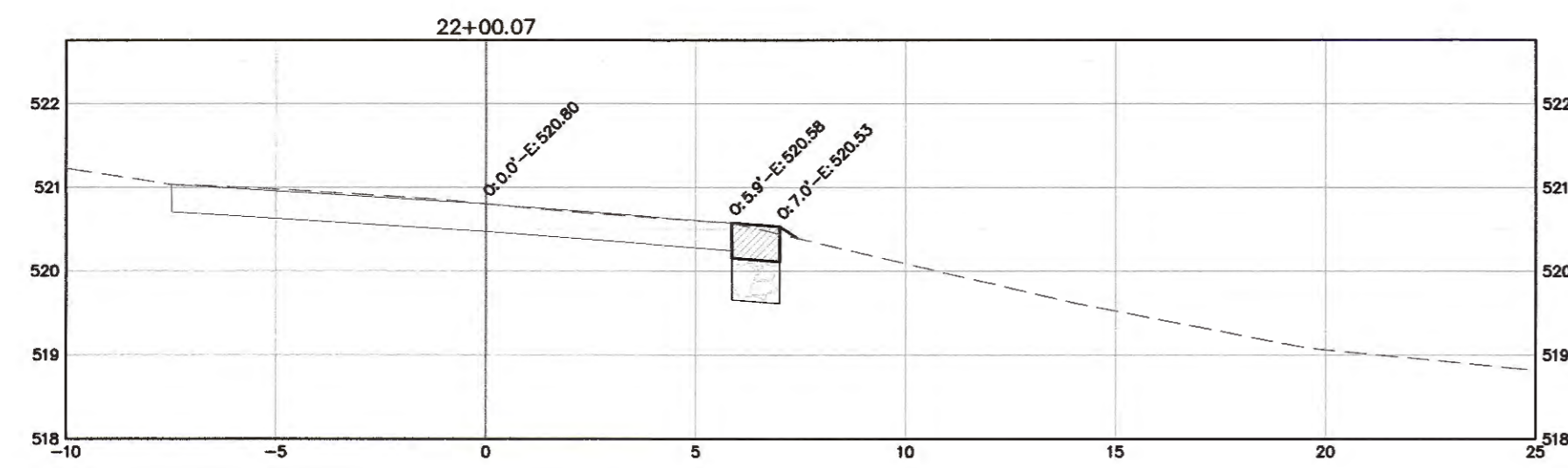
CAD DWG FILE: 801001SITE
DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

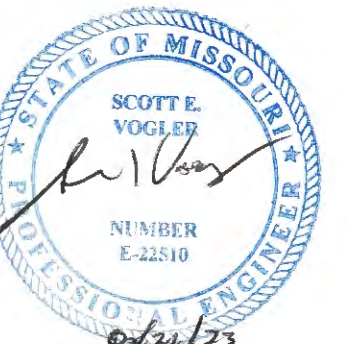
SHEET TITLE:
**ROADWAY CROSS
SECTIONS**

SHEET NUMBER:

C-111

SHEET 15 OF 28
JULY 10, 2023

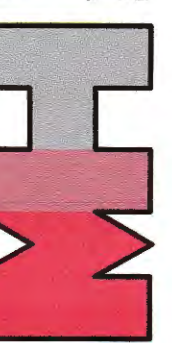




SCOTT E. VOGLER
PROFESSIONAL ENGINEER
LICENSE NO. E-22510

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MO 2019000011 EXPIRES: DECEMBER 31, 2020



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OF MENTAL HEALTH

REPAIR PAVING /
INFRASTRUCTURE
AND STONE WALL

BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/10/2023

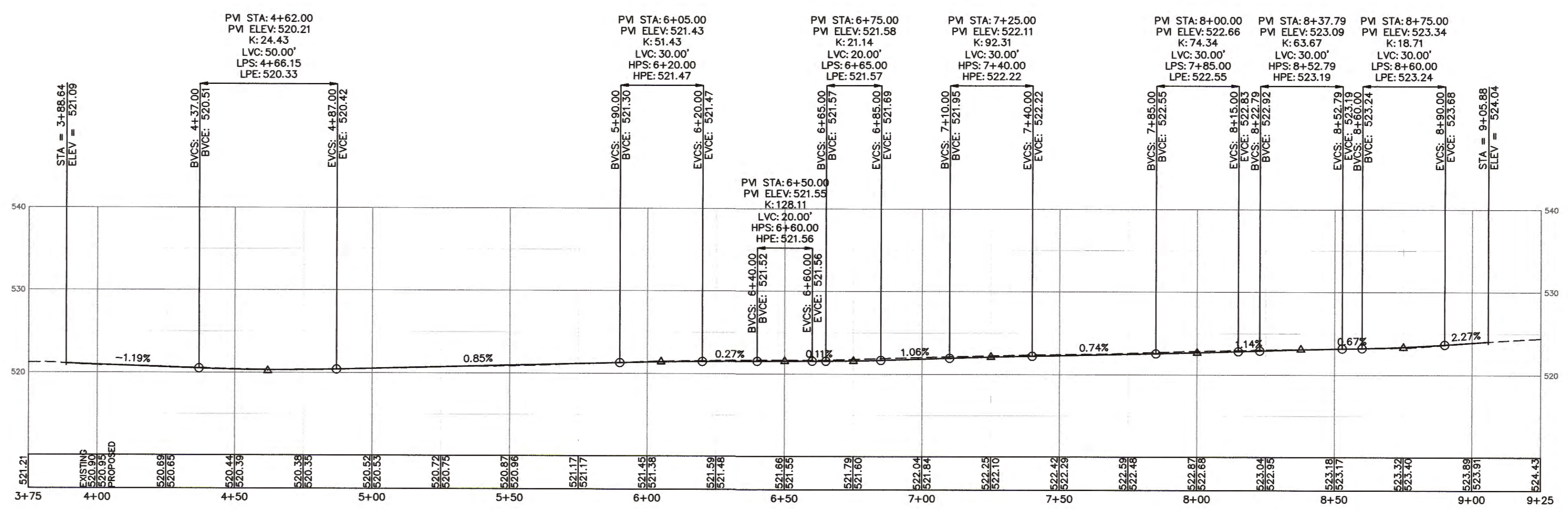
CAD DWG FILE: 801001SITE
DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

SHEET TITLE:
ROAD REPLACEMENT
PROFILES

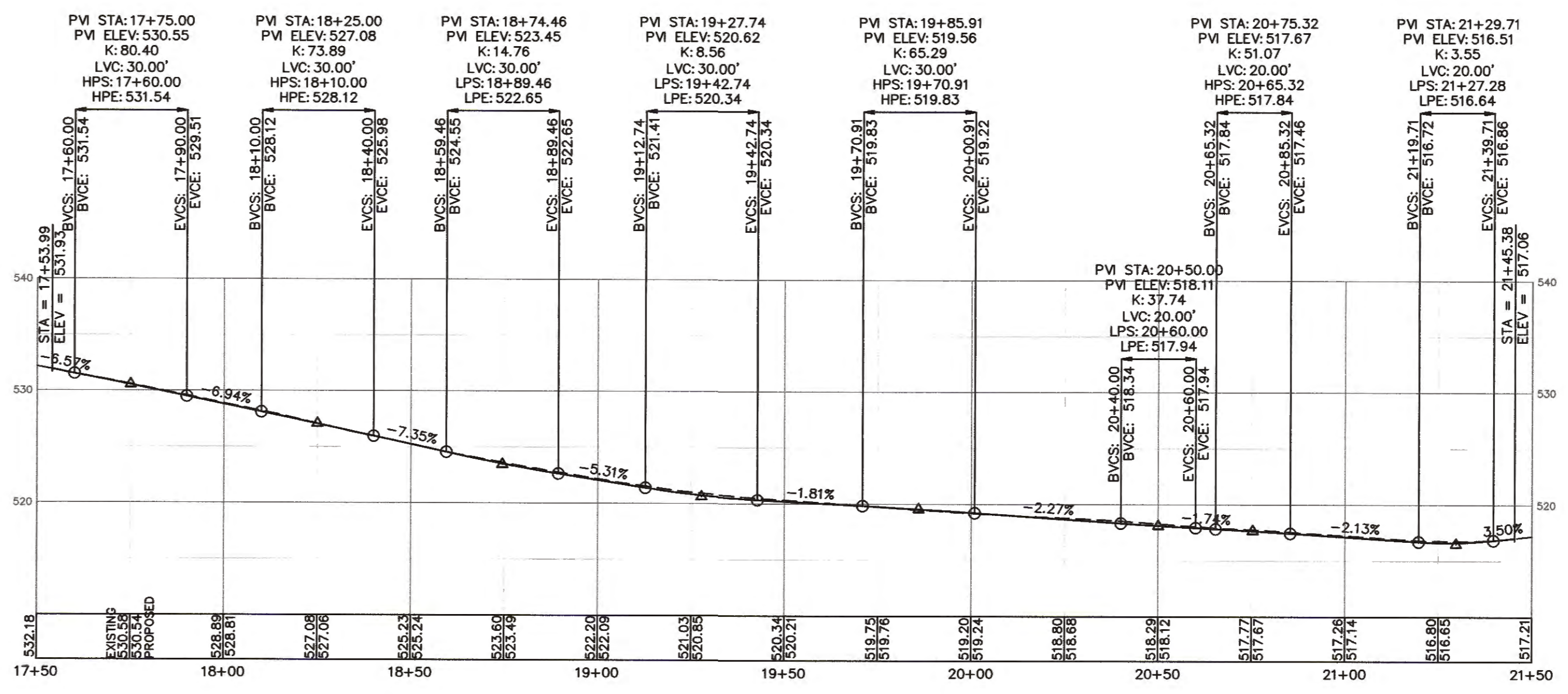
SHEET NUMBER:

C-112

SHEET 16 OF 28
JULY 10, 2023



1 ROAD REPLACEMENT PROFILE
C-112 STA. 3+88.64 - 9+05.88



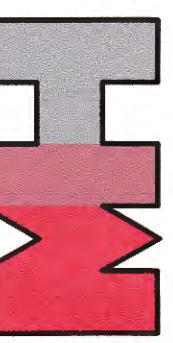
2 ROAD REPLACEMENT PROFILE
C-112 STA. 17+53.99 - 21+45.38



10/2/22
SCOTT E. VOGLER
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LICENSE NO. E-22510

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BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/10/2023

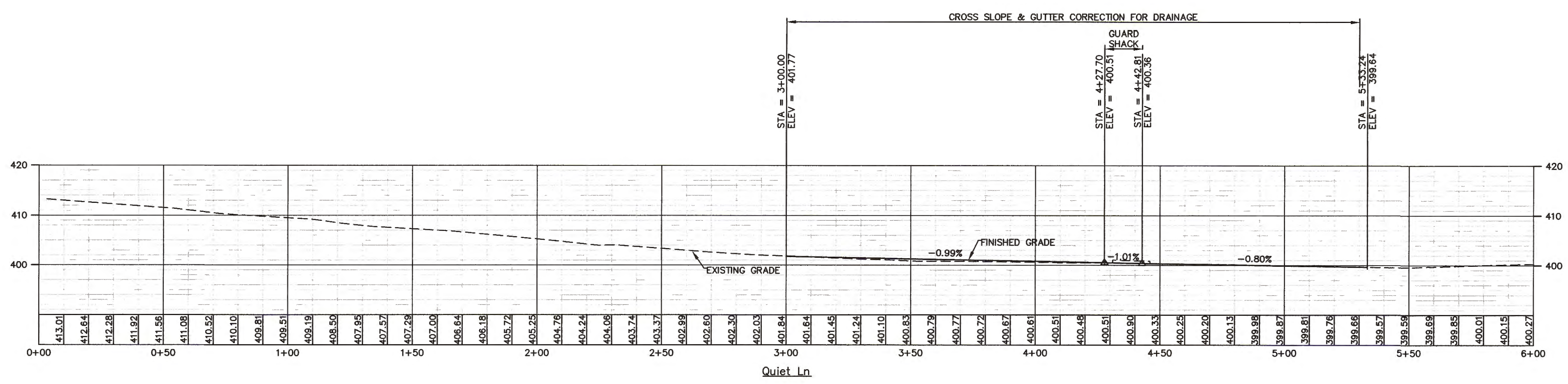
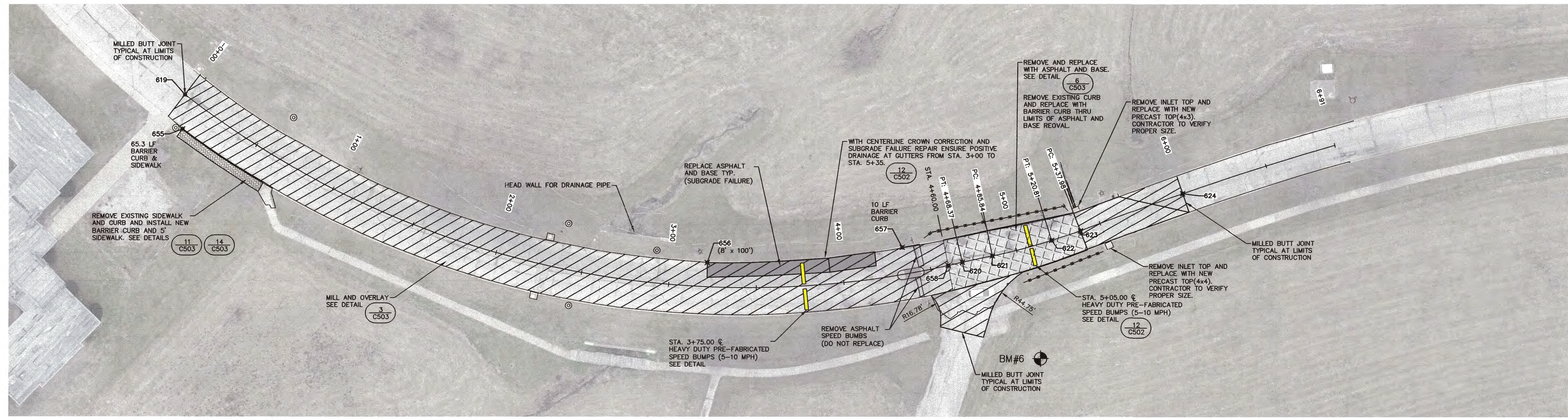
CAD DWG FILE: 801001SITE
DRAWN BY: A.LONG
CHECKED BY: _____
DESIGNED BY: S.VOGLER

SHEET TITLE:
**QUIET LN.
IMPROVEMENT PLAN**

SHEET NUMBER:

C-113

SHEET 17 OF 28
JULY 10, 2023



SYMBOLS / ABBREVIATIONS LEGEND

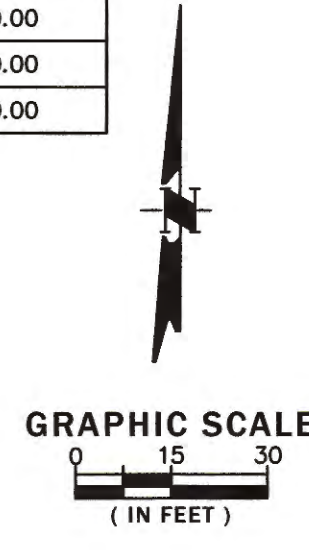
- x — x — EXISTING FENCE
- ⊙ TREE
- ⊙ SIGN
- ⊙ LIGHT POLE
- — — — — EDGE OF EXISTING ASPHALT SURFACE
- — — — — EDGE OF EXISTING CONCRETE SURFACE
- G — G EXISTING GAS MAIN
- UT — UT EXISTING UNDERGROUND TELEPHONE LINE
- — — — — SILT FENCE OR WATTLE
- ⊙ EXISTING MANHOLE
- ⊙ EXISTING CLEANOUT
- ⊙ EXISTING POWER POLE
- ⊙ VALVE (EXISTING)
- ⊙ EXISTING DROP INLET FRAME AND GRATE
- ▨ BP-1 ASPHALT SURFACE COURSE AND BASE SEE DETAIL (6) C503
- ▨ ASPHALT ROAD MILL AND OVERLAY SEE DETAIL (3) C503
- ▨ REPAIR SUBGRADE FAILURE SEE DETAIL (5) C503
- ▨ CONCRETE ACCESS SIDEWALK WITH BASE SEE DETAIL (7) C503

Control Point Table

Point #	Northing	Eastng	Description	ELEVATION
619	1068082.22	898464.17	BEGIN CL	0.00
620	1067987.13	898906.95	PT CURVE	0.00
621	1067990.70	898924.05	PC CURVE	0.00
622	1067999.65	898957.83	PT CURVE	0.00
623	1068004.92	898974.18	PC CURVE	0.00
624	1068026.21	899032.42	END CL	400.27
655	1068062.66	898462.79	BEGIN OF CURB	0.00
656	1067986.82	898761.76	NE CORNER OF PATCH	0.00
657	1067995.59	898872.75	BEGIN OF CURB	0.00
658	1067985.26	898898.89	CL BEGIN ASPH BASE	0.00

BENCH MARK

BM#6 - 5/8" REBAR
(N=1067932.3330, E=898951.5770)
ELEVATION 402.30

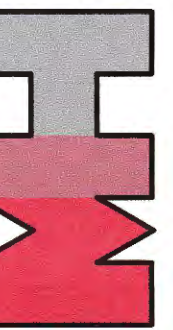




SCOTT E. VOGLER
PROFESSIONAL ENGINEER
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P: (636) 395-7955

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MO 201900401 EXPIRES: DECEMBER 31, 2020



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REPAIR PAVING /
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AND STONE WALL

BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/10/2023

CAD DWG FILE: 801001SITE
DRAWN BY: A. LONG
CHECKED BY: _____
DESIGNED BY: S. VOGLER

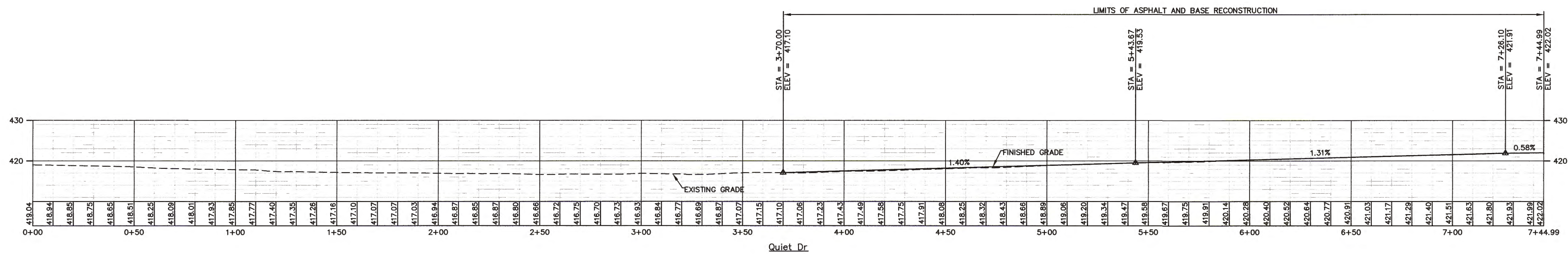
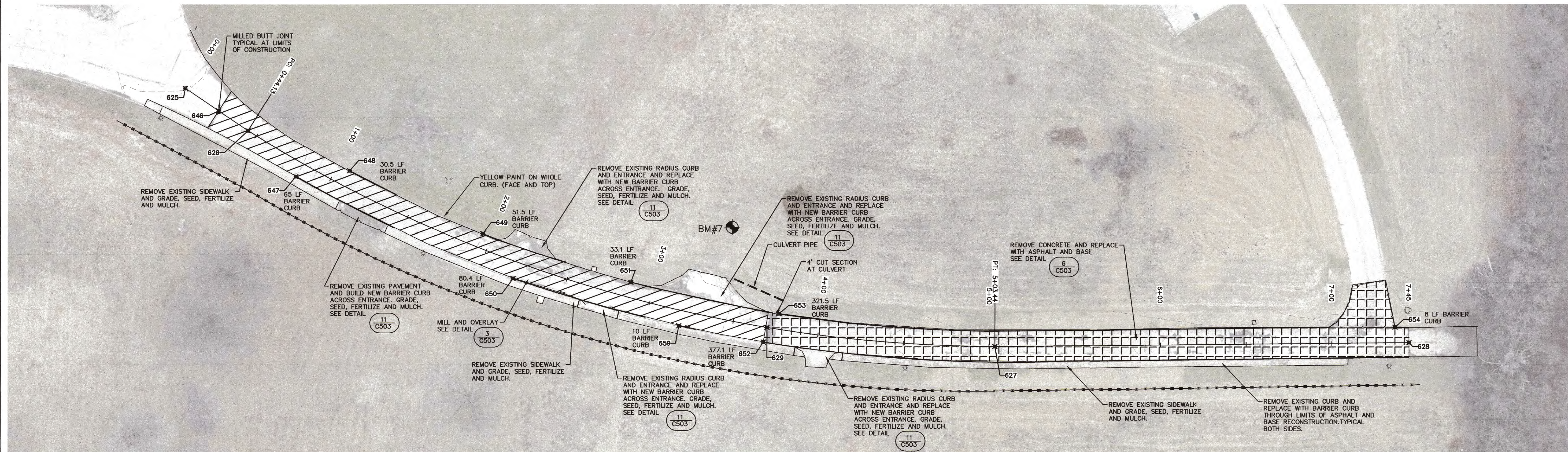
SHEET TITLE:

QUIET DR.
IMPROVEMENT PLAN

SHEET NUMBER:

C-114

SHEET 18 OF 28
JULY 10, 2023



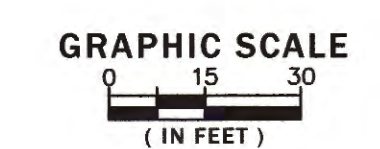
SYMBOLS / ABBREVIATIONS LEGEND

- x — x — EXISTING FENCE
- ⊙ TREE
- ⊥ SIGN
- * LIGHT POLE
- — — EDGE OF EXISTING ASPHALT SURFACE
- — — EDGE OF EXISTING CONCRETE SURFACE
- C — C EXISTING GAS MAIN
- UT — UT EXISTING UNDERGROUND TELEPHONE LINE
- — — SILT FENCE OR WATTLE
- ⊙ EXISTING MANHOLE
- ⊙ EXISTING CLEANOUT
- ⊙ EXISTING POWER POLE
- ⊙ VALVE (EXISTING)
- ⊙ EXISTING DROP INLET FRAME AND GRATE
- ▨ BP-1 ASPHALT SURFACE COURSE AND BASE SEE DETAIL (6) C503
- ▨ ASPHALT ROAD MILL AND OVERLAY SEE DETAIL (3) C503

Control Point Table				
Point #	Northing	Easting	Description	ELEVATION
625	1068627.37	898306.26	BEGIN CL QUIET DR.	419.04
626	1068663.97	898330.91	PC CURVE	0.00
627	1069099.56	898456.62	PT CURVE	0.00
628	1069341.09	898454.35	END CL QUIET DR.	422.02
629	1068966.72	898445.59	3+70 BEGIN PVMT & BASE	417.10
646	1068646.86	898319.38	CL BEGIN	0.00
647	1068691.91	898357.60	BEGIN OF CURB	0.00
648	1068723.30	898354.23	BEGIN OF CURB	0.00
649	1068801.04	898390.89	BEGIN OF CURB	0.00
650	1068818.68	898417.00	BEGIN OF CURB	0.00
651	1068887.35	898419.20	BEGIN OF CURB	0.00
652	1068964.60	898454.18	BEGIN OF CURB	0.00
653	1068973.60	898437.64	BEGIN OF CURB	0.00
654	1069332.87	898445.34	BEGIN OF CURB	0.00
659	1068915.30	898444.62	BEGIN OF CURB	0.00

BENCH MARK

BM#7 - 5/8" BRBAR
(N-1068946.3590, E-898387.1720)
ELEVATION 417.59

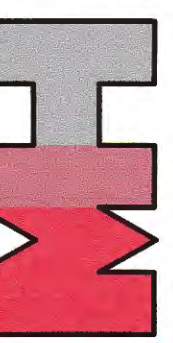




SCOTT E. VOGLER
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BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
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ISSUE DATE: 07/10/2023

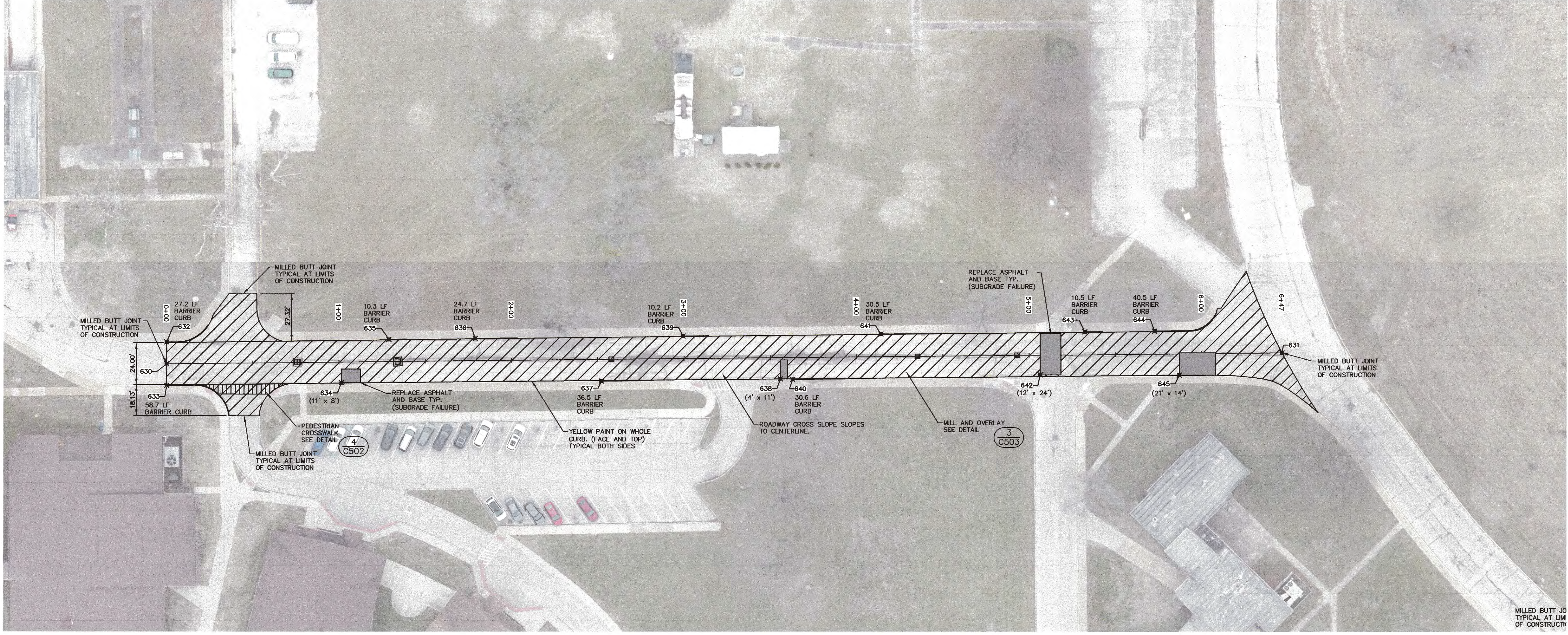
CAD DWG FILE: 801001SITE
DRAWN BY: A.LONG
CHECKED BY: _____
DESIGNED BY: S.VOGLER

SHEET TITLE:
VILLAGE PARK LN.
IMPROVEMENT PLAN

SHEET NUMBER:

C-115

SHEET 19 OF 28
JULY 10, 2023

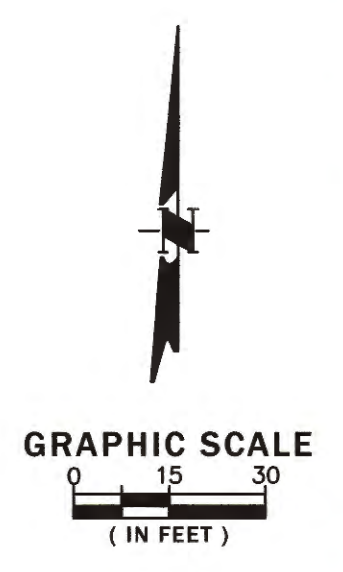


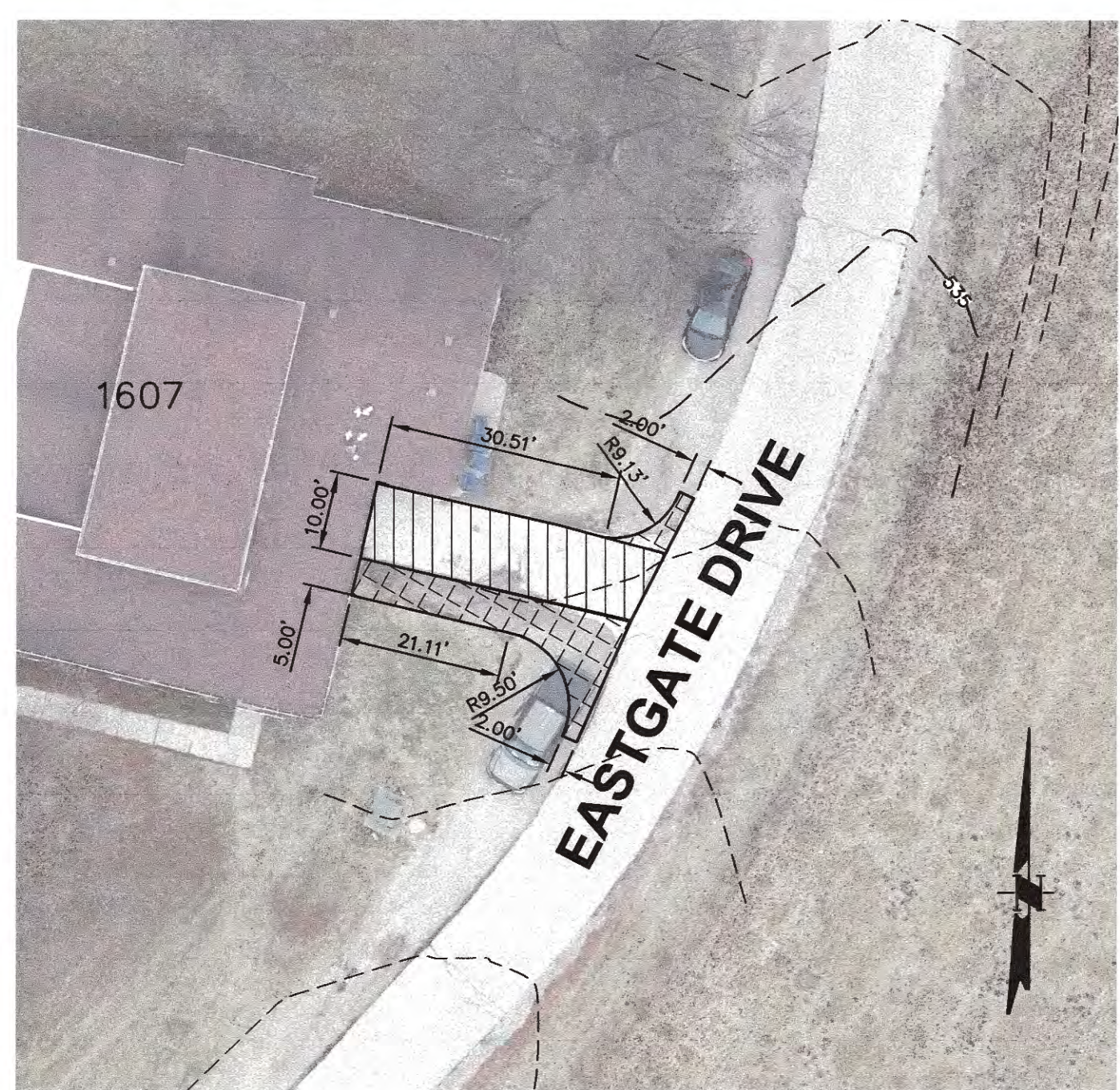
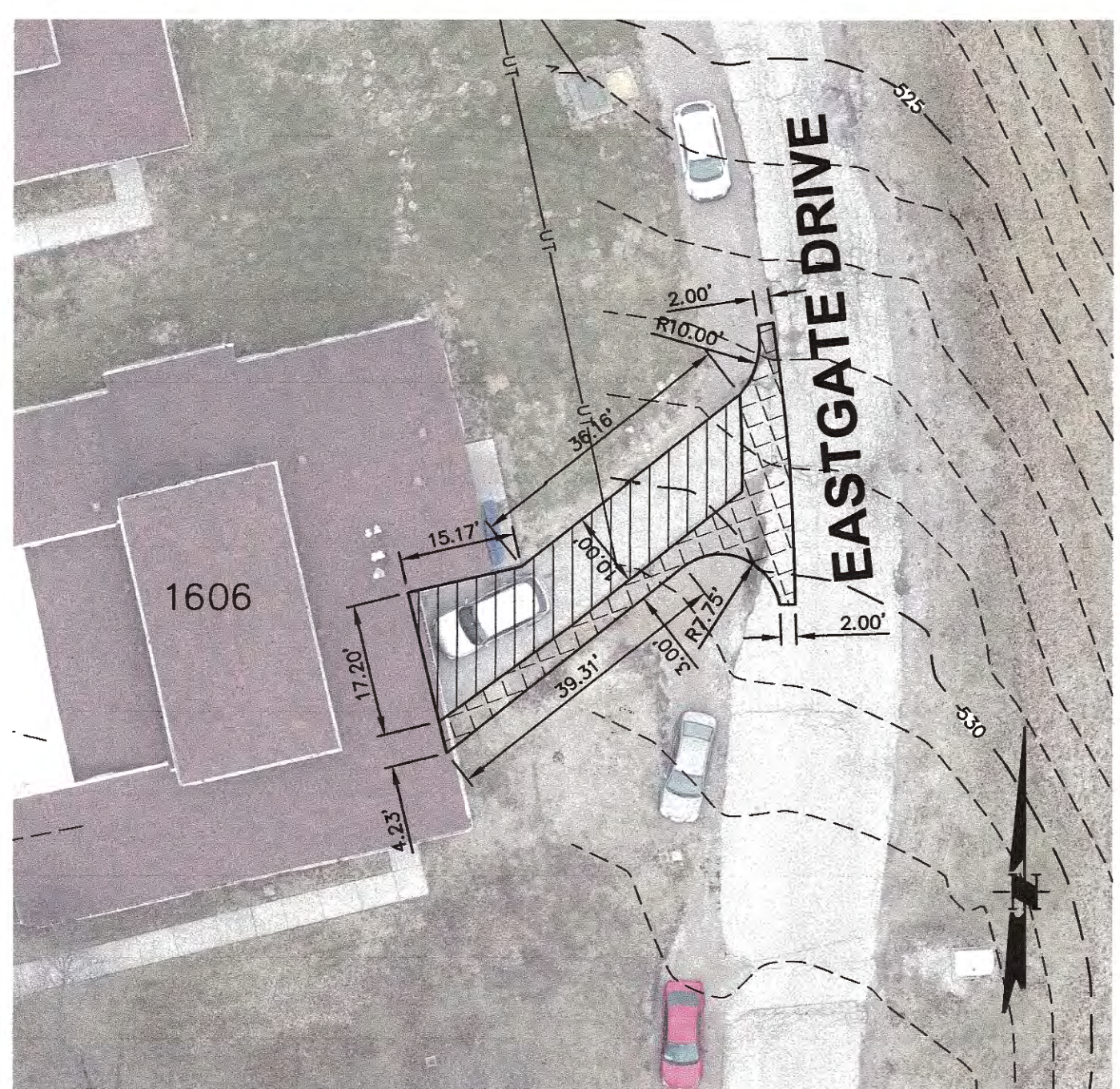
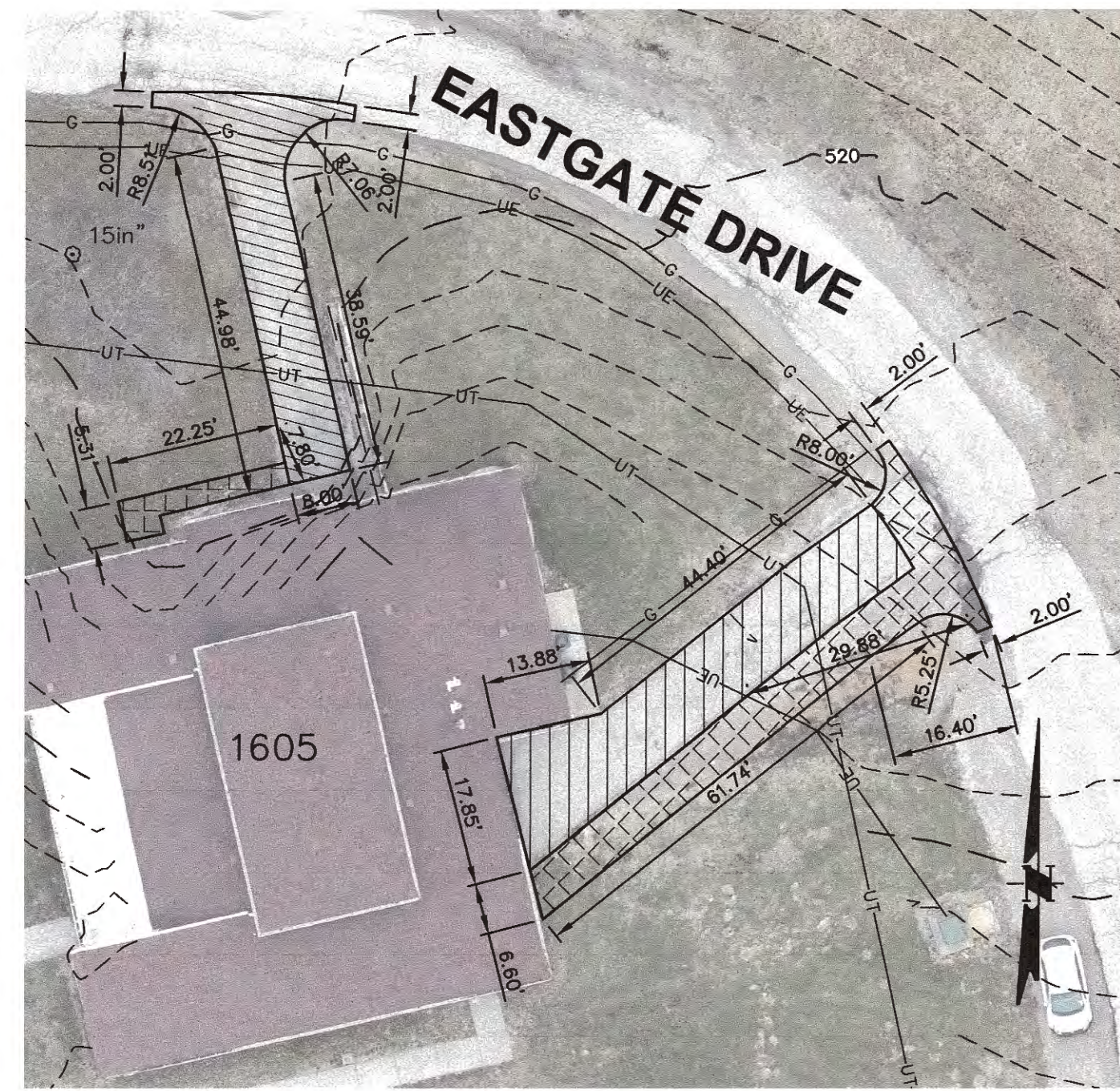
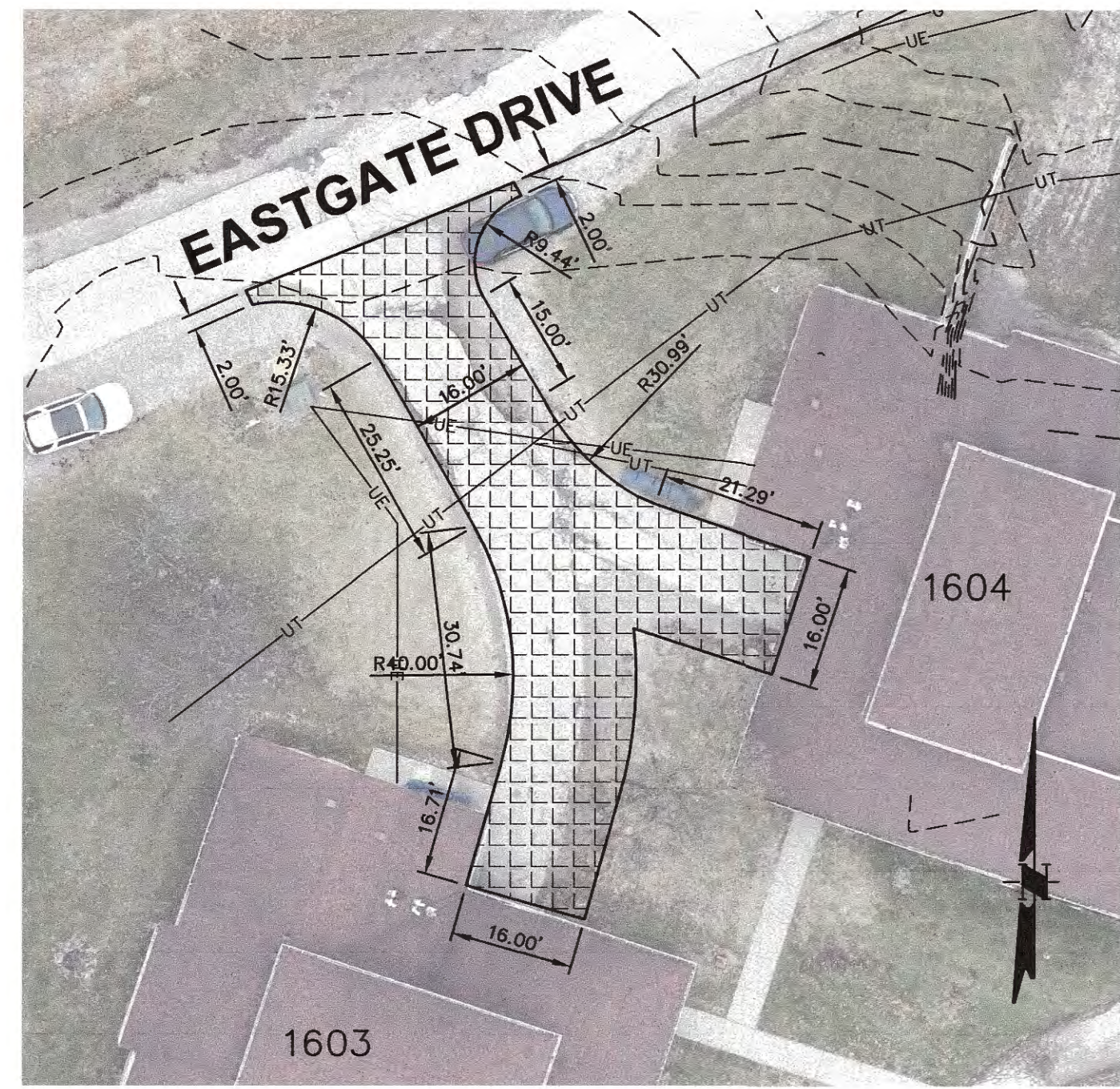
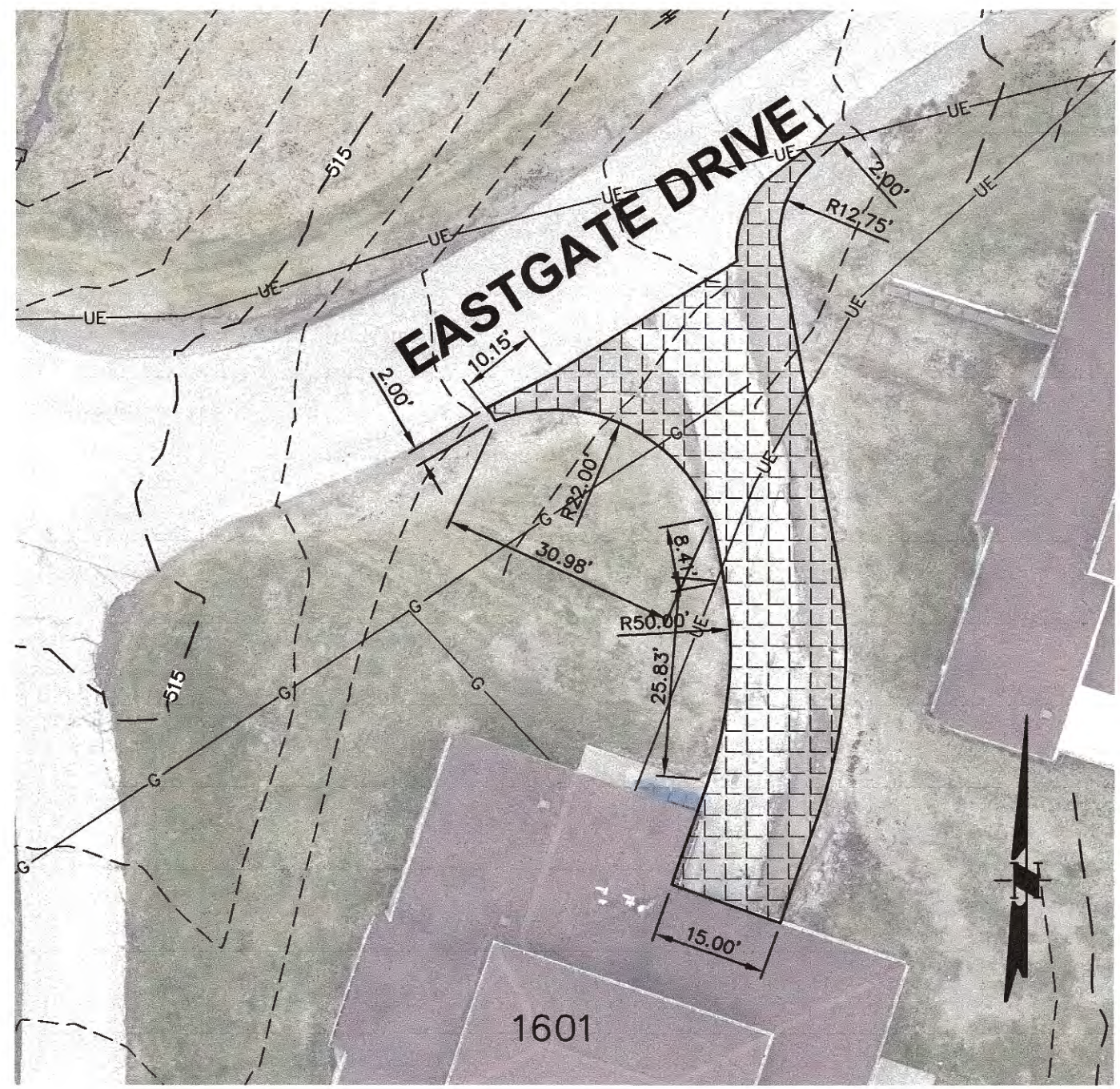
SYMBOLS / ABBREVIATIONS LEGEND

	EXISTING FENCE
	TREE
	SIGN
	LIGHT POLE
	EDGE OF EXISTING ASPHALT SURFACE
	EDGE OF EXISTING CONCRETE SURFACE
	EXISTING GAS MAIN
	EXISTING UNDERGROUND TELEPHONE LINE
	SILT FENCE OR WATTLE
	EXISTING MANHOLE
	EXISTING CLEANOUT
	EXISTING POWER POLE
	VALVE (EXISTING)
	EXISTING DROP INLET FRAME AND GRATE
	ASPHALT ROAD MILL AND OVERLAY SEE DETAIL (C503)
	REPAIR SUBGRADE FAILURE SEE DETAIL (C503)

Control Point Table

Point #	Northing	Easting	Description	ELEVATION
630	1068254.32	897641.25	BEGIN CL. VILLAGE PARK LN.	0.00
631	1068260.80	898287.82	END CL. VILLAGE PARK LN.	0.00
632	1068267.06	897641.31	BEGIN OF CURB	0.00
633	1068241.67	897641.30	BEGIN OF CURB	0.00
634	1068243.31	897742.65	NW CORNER OF PATCH	0.00
635	1068268.55	897770.16	BEGIN OF CURB	0.00
636	1068269.06	897820.24	BEGIN OF CURB	0.00
637	1068244.20	897893.36	BEGIN OF CURB	0.00
638	1068245.54	897997.09	NW CORNER OF PATCH	0.00
639	1068270.41	897940.66	BEGIN OF CURB	0.00
640	1068245.24	898004.22	BEGIN OF CURB	0.00
641	1068271.69	898055.33	BEGIN OF CURB	0.00
642	1068247.91	898147.65	NW CORNER OF PATCH	0.00
643	1068273.09	898173.54	BEGIN OF CURB	0.00
644	1068273.52	898214.04	BEGIN OF CURB	0.00
645	1068247.91	898228.35	NW CORNER OF PATCH	0.00



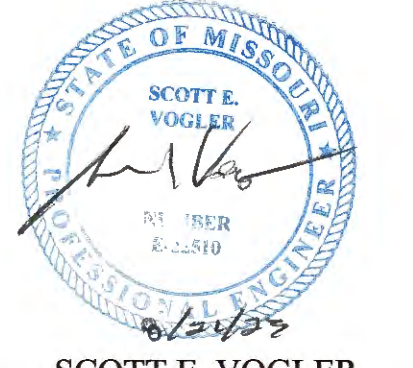


LEGEND

	ASPHALT DRIVEWAY MILL AND OVERLAY SEE DETAIL 3 (50)
	ASPHALT DRIVEWAY WITH BASE SEE DETAIL 6 (50)
	CONCRETE DRIVEWAY/SIDEWALK WITH BASE SEE DETAIL 15 (50)



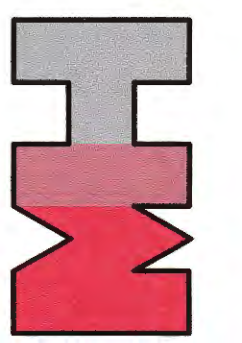
STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



SCOTT E. VOGLER
PROFESSIONAL ENGINEER
LICENSE NO. E-22510

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10695 BELLEFONTAINE ROAD
SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
REVISION: _____
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DATE: _____
ISSUE DATE: 07/10/2023

CAD DWG FILE: 801001SITE
DRAWN BY: R.HAYES/ALONG
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

SHEET TITLE:
**DRIVEWAY
IMPROVEMENT PLANS
(1600 SERIES)**

SHEET NUMBER:

C-116

SHEET 20 OF 28
JULY 10, 2023

WestPathCenter					
Number	Line/Chord Length	Radius	Line/Chord Direction	Start Northing	Start Easting
L32	66.78'		S56°10'29.53"E	1067475.18	897982.72
C29	7.99'	53.00'	S26°37'04.67"W	1067426.87	898054.81
L33	48.09'		S22°30'57.76"W	1067420.09	898051.42
C30	63.86'	198.90'	S31°42'35.38"W	1067374.75	898032.62
L34	25.46'		S42°07'15.07"W	1067320.66	897999.20
C31	2.73'	22.35'	S39°41'10.56"W	1067301.78	897982.13
C32	36.35'	31.00'	S04°29'24.80"W	1067299.67	897980.38
C33	34.82'	41.03'	S52°22'37.61"E	1067286.31	897977.76
L35	4.47'		S76°32'52.83"E	1067245.80	898004.37
C34	9.35'	23.00'	S88°11'43.34"E	1067244.78	898008.72
L36	45.52'		N80°09'28.14"E	1067244.47	898018.00
L37	35.33'		N75°21'34.01"E	1067252.25	898062.85

WestPathCenter					
Number	Line/Chord Length	Radius	Line/Chord Direction	Start Northing	Start Easting
C35	16.93'	199.00'	N77°47'47.10"E	1067261.18	898097.04
L38	51.61'		N80°4'00.20"E	1067254.76	898113.58
C36	3.64'	58.00'	N83°46'55.79"E	1067273.51	898164.44
L39	19.80'		N83°46'55.79"E	1067274.02	898168.04
C37	37.00'	58.00'	S78°16'13.68"E	1067276.14	898187.52
L40	36.24'		S60°16'18.75"E	1067288.75	898223.16
C38	7.07'	31.00'	S66°50'23.59"E	1067250.79	898254.64
L41	10.42'		S73°22'28.44"E	1067248.02	898281.13
C39	61.38'	28.00'	N43°49'29.33"E	1067245.04	898271.11
L42	8.55'		N18°56'32.90"W	1067280.97	898305.60
L43	41.93'		N18°56'32.90"W	1067280.97	898302.82
C40	3.62'	99.00'	N17°55'37.78"W	1067328.70	898289.19

WestPathCenter					
Number	Line/Chord Length	Radius	Line/Chord Direction	Start Northing	Start Easting
L44	33.98'		N16°52'42.63"W	1067332.15	898288.07
L45	3.47'		N16°27'05.16"W	1067364.67	898278.20
C41	42.65'	53.00'	N41°30'24.37"W	1067367.98	898277.10
L46	49.93'		N64°33'43.58"W	1067399.05	898249.59
C42	30.33'	399.00'	N62°23'02.86"W	1067420.50	898204.51
L47	39.65'		N60°12'22.14"W	1067434.55	898177.63
C43	28.91'	51.00'	N76°26'47.46"W	1067454.26	898143.22
L48	8.26'		S84°26'03.41"W	1067460.94	898115.49
L49	10.68'		S72°57'32.34"W	1067460.14	898107.27
L50	6.64'		S67°50'16.07"W	1067457.01	898097.06
L51	16.43'		S62°40'33.16"W	1067454.44	898090.73
C44	29.65'	52.20'	S46°44'22.37"W	1067446.92	898076.12

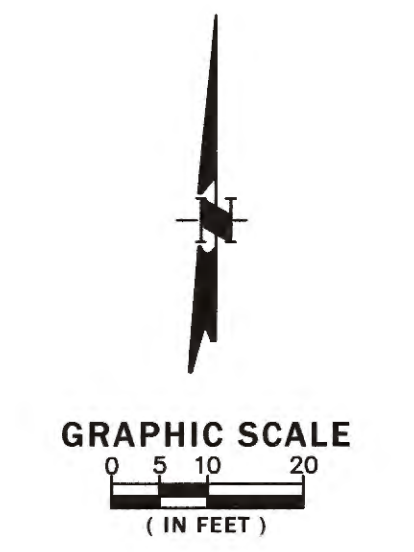
SYMBOLS / ABBREVIATIONS LEGEND

- X— EXISTING FENCE
- ⊙ TREE
- ⊙ SIGN
- ⊙ LIGHT POLE
- |— EDGE OF EXISTING ASPHALT SURFACE
- |— EDGE OF EXISTING CONCRETE SURFACE
- G— EXISTING GAS MAIN
- UT— EXISTING UNDERGROUND TELEPHONE LINE
- ⊙ EXISTING MANHOLE
- ⊙ EXISTING CLEANOUT
- ⊙ EXISTING POWER POLE
- ⊙ VALVE (EXISTING)
- ⊙ EXISTING DROP INLET FRAME AND GRATE
- ▨ CONCRETE WALKING TRAIL WITH BASE
SEE DETAIL 13 (C503)
- ▨ CONCRETE SIDEWALK WITH BASE
SEE DETAIL 14 (C503)

NOTE:
1. THE CONTRACTOR SHALL POUR THE PROPOSED CONCRETE ENTRANCES AROUND THE EXISTING BOLLARDS. THE CONTRACTOR SHALL USE AN EXPANSION JOINT MATERIAL TO SEPARATE THE CONCRETE FROM THE BOLLARD.



BENCH MARK
BM#2 - TOP OF MANHOLE
(N-1067280.6130, E-898282.7870)
ELEVATION 522.42



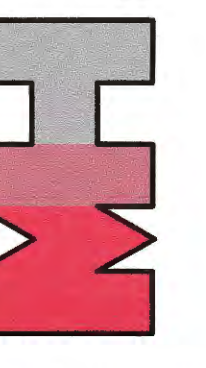
STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



SCOTT E. VOGLER
PROFESSIONAL ENGINEER
LICENSE NO. E-22510

OFFICE LOCATION:
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SUITE 107
ST. LOUIS, MO 63101
P: (636) 395-7945

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ENGINEERS, LLC
www.meco-henehan.com
MO 2019004041 EXPIRES DECEMBER 31, 2020



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MISSOURI DEPARTMENT
OF MENTAL HEALTH

REPAIR PAVING /
INFRASTRUCTURE
AND STONE WALL

BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD
SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/10/2023

CAD DWG FILE: 801001SITE
DRAWN BY: R. HAYES/ALONG
CHECKED BY: C. HUDDLESTON
DESIGNED BY: S. VOGLER

SHEET TITLE:
**WEST WALKING PATH
& SIDEWALK
IMPROVEMENT PLAN**

SHEET NUMBER:

C-118

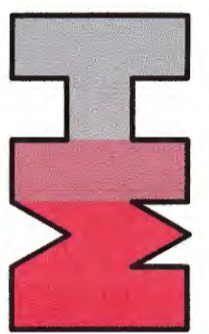
SHEET 22 OF 28
JULY 10, 2023



SCOTT E. VOGLER
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SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/10/2023

CAD DWG FILE: 801001SITE
DRAWN BY: R. HAYES A LONG
CHECKED BY: C. HUDDLESTON
DESIGNED BY: S. VOGLER

SHEET TITLE:
EAST WALKING PATH
& SIDEWALK
IMPROVEMENT PLAN

SHEET NUMBER:

C-119

SHEET 23 OF 28
JULY 10, 2023

EastPathCenter					
Number	Line/Chord Length	Radius	Line/Chord Direction	Start Northing	Start Easting
L52	85.04'		S88°21'04.24"E	1067320.40	898405.29
C45	13.16'	75.00'	N86°37'17.45"E	1067317.95	898490.30
C46	24.85'	50.00'	S84°17'01.95"E	1067318.73	898503.42
L53	13.28'		S70°09'43.03"E	1067316.30	898527.89
C47	15.19'	30.00'	S84°40'10.43"E	1067311.79	898540.17
L54	13.47'		N80°49'22.18"E	1067310.40	898555.14
C48	16.80'	60.00'	N88°50'46.68"E	1067312.55	898566.44
L55	6.93'		S83°07'48.82"E	1067312.88	898585.16
C49	36.10'	197.00'	S88°40'12.84"E	1067312.05	898592.07
L56	34.43'		N85°47'23.15"E	1067311.17	898630.09
C50	42.98'	301.00'	N81°41'57.43"E	1067313.70	898664.44
L57	12.79'		N77°36'31.71"E	1067319.90	898706.93
C51	41.05'	112.00'	N67°06'29.72"E	1067322.64	898719.42
L58	14.92'		N56°36'27.73"E	1067338.52	898757.02
C52	91.37'	130.00'	N36°28'24.38"E	1067346.74	898769.48
L59	8.94'		N16°20'21.03"E	1067418.70	898822.68

EastPathCenter					
Number	Line/Chord Length	Radius	Line/Chord Direction	Start Northing	Start Easting
C53	126.20'	47.00'	N61°15'03.65"W	1067427.29	898825.20
L60	45.16'		S41°49'40.28"W	1067471.33	898744.93
C54	38.50'	44.45'	S63°04'34.55"W	1067437.67	898714.81
L61	22.62'		S86°39'34.97"W	1067420.76	898681.54
L62	25.00'		S86°39'34.97"W	1067419.46	898658.96
C55	65.38'	81.00'	S63°32'07.21"W	1067418.01	898634.00
C56	20.90'	81.00'	S33°01'05.41"W	1067389.65	898577.04
L63	12.97'		S25°37'31.37"W	1067372.17	898565.68
C57	73.28'	75.00'	S53°36'35.25"W	1067360.48	898560.08

SYMBOLS / ABBREVIATIONS LEGEND

- EXISTING FENCE
- TREE
- SIGN
- LIGHT POLE
- EDGE OF EXISTING ASPHALT SURFACE
- EDGE OF EXISTING CONCRETE SURFACE
- EXISTING GAS MAIN
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING MANHOLE
- EXISTING CLEANOUT
- EXISTING POWER POLE
- VALVE (EXISTING)
- EXISTING DROP INLET FRAME AND GRATE
- CONCRETE WALKING TRAIL WITH BASE
SEE DETAIL 13 C503
- CONCRETE SIDEWALK WITH BASE
SEE DETAIL 14 C503



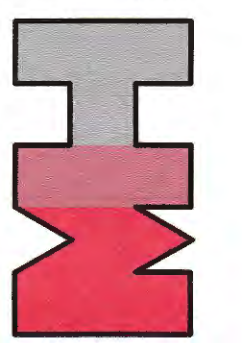
BENCHMARK
BM#3 - TOP OF MANHOLE
(N-1067340.7860, E-898955.4770)
ELEVATION 527.07



SCOTT E. VOGLER
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10695 BELLEFONTAINE ROAD
SAINT LOUIS COUNTY

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SITE # 7356
ASSET # 6517356071

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REVISION: _____
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REVISION: _____
DATE: _____
ISSUE DATE: 07/10/2023

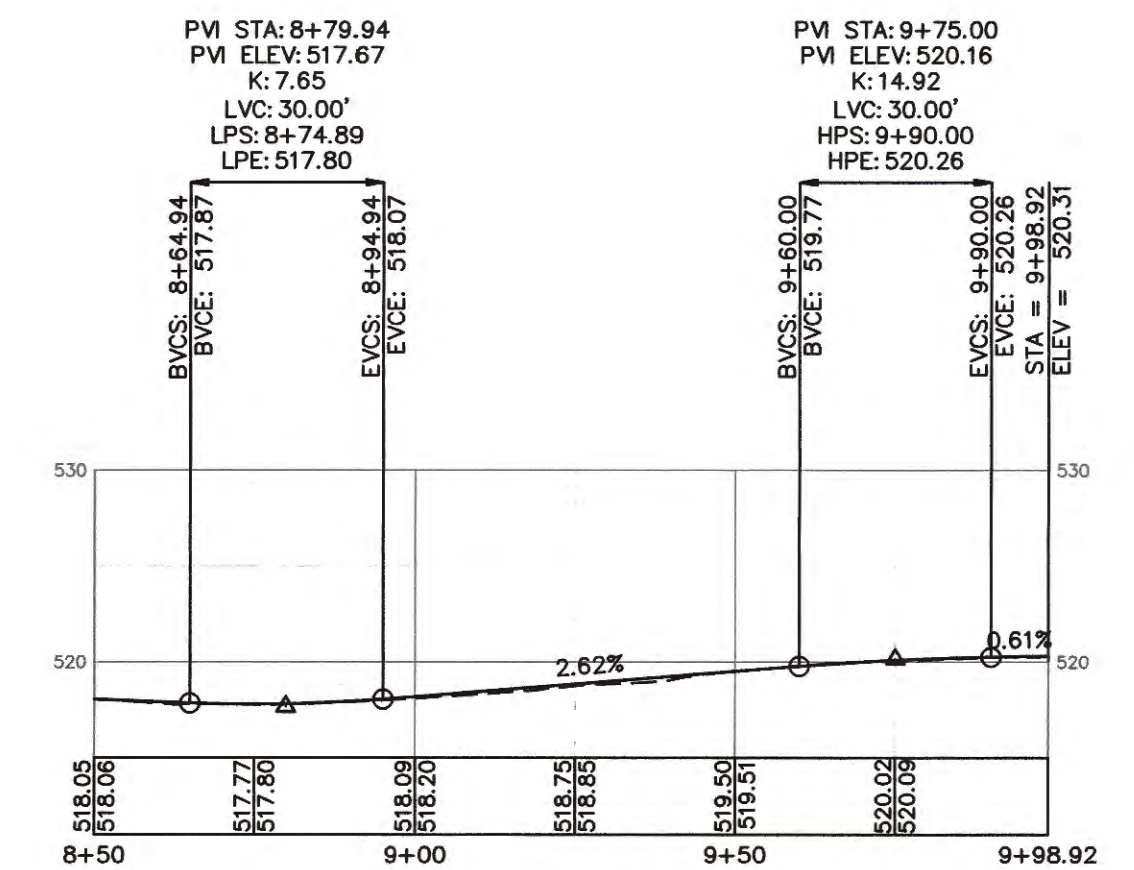
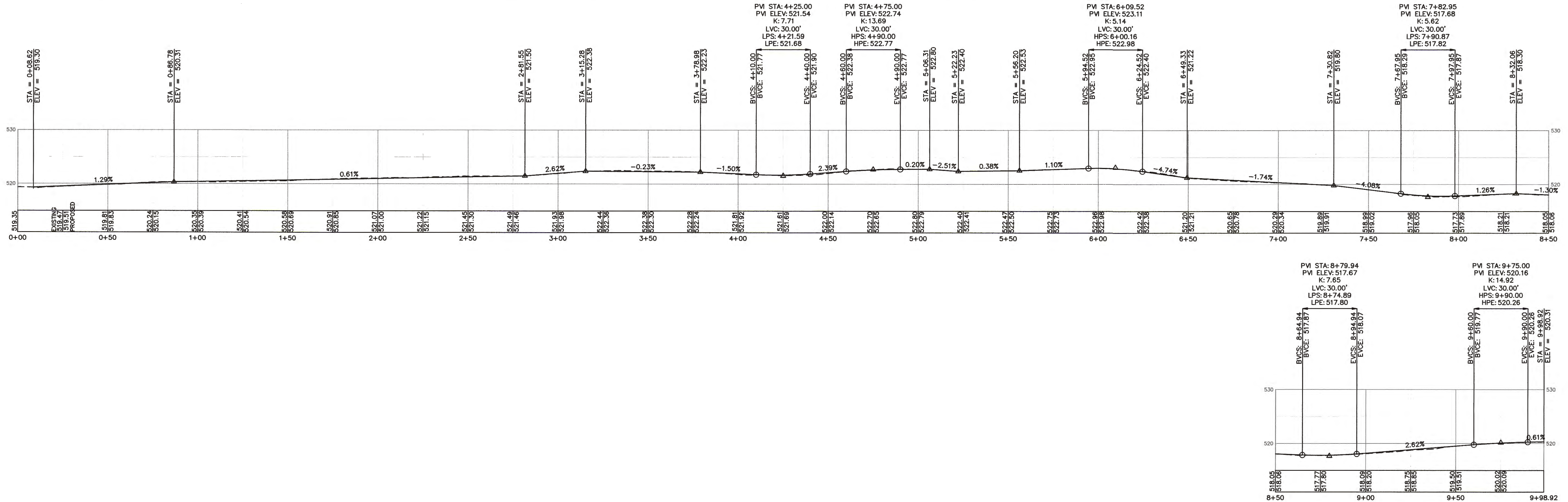
CAD DWG FILE: 801001SITE
DRAWN BY: P. HAYES
CHECKED BY: C. HUDDLESTON
DESIGNED BY: S. VOGLER

SHEET TITLE:
**WEST & EAST
WALKING PATH
PROFILES**

SHEET NUMBER:

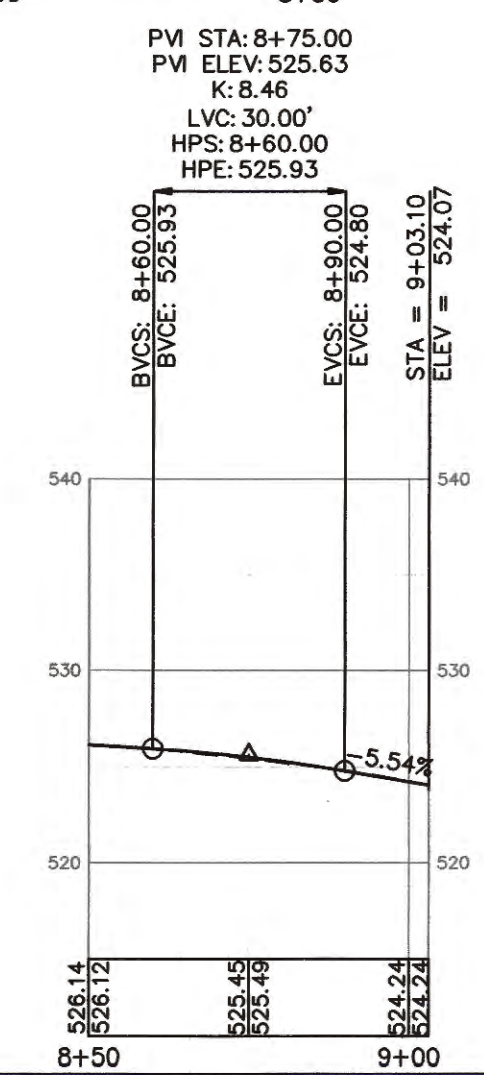
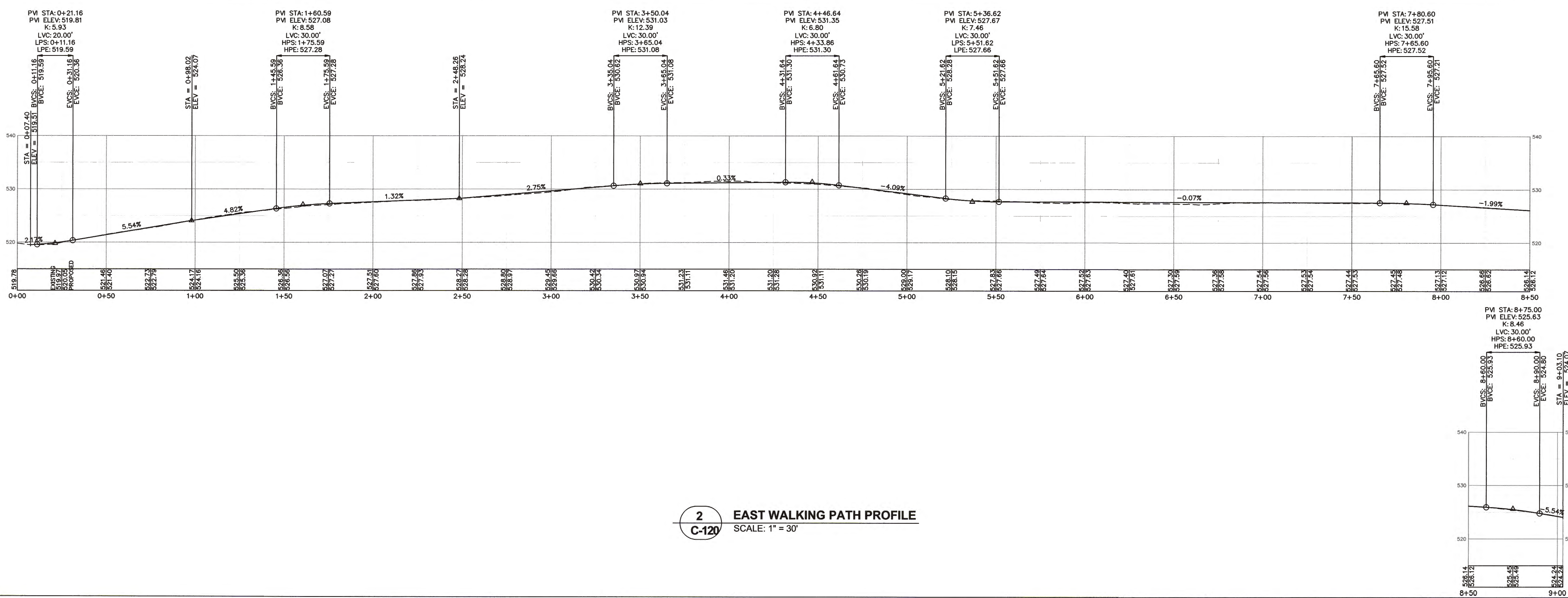
C-120

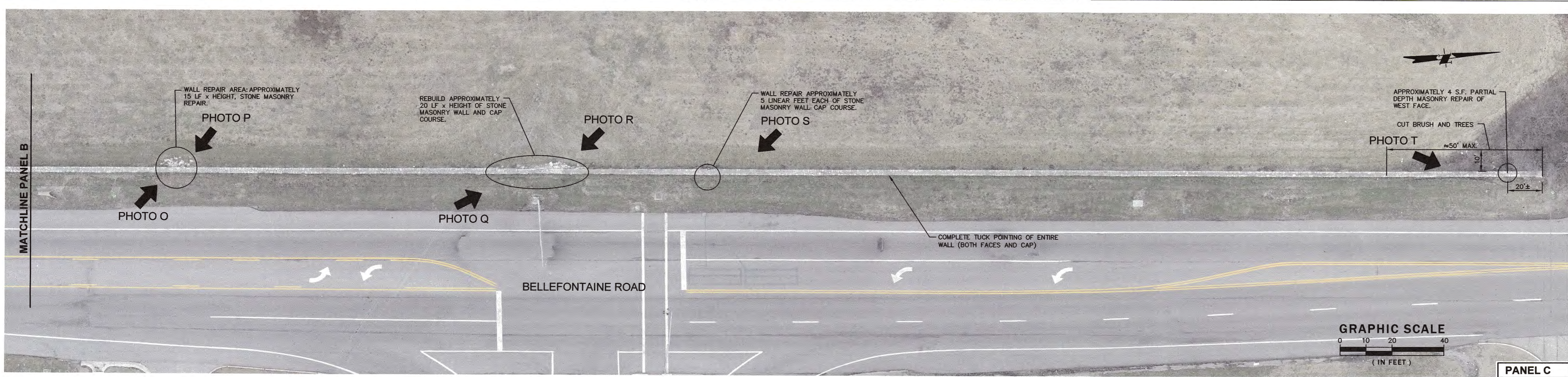
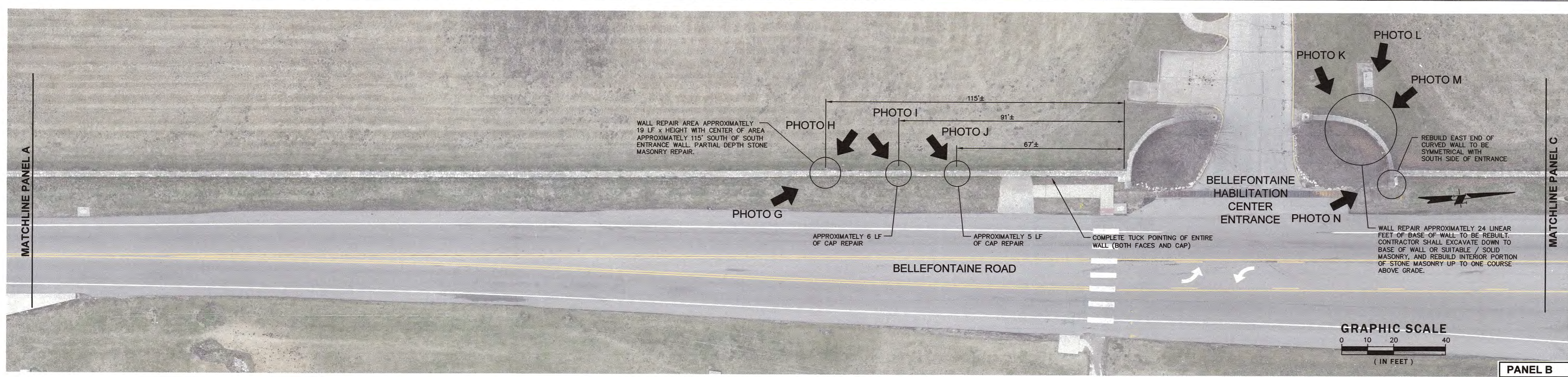
SHEET 24 OF 28
JULY 10, 2023



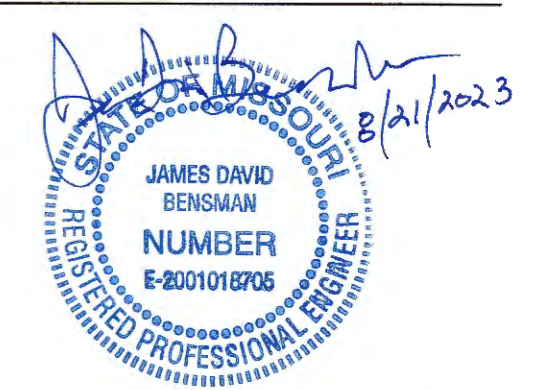
1 WEST WALKING PATH PROFILE
SCALE: 1" = 30"

2 EAST WALKING PATH PROFILE
SCALE: 1" = 30"





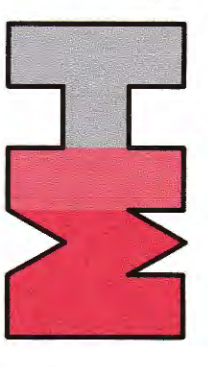
STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



JAMES D. BENSMAN
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ASSET # 6517356071

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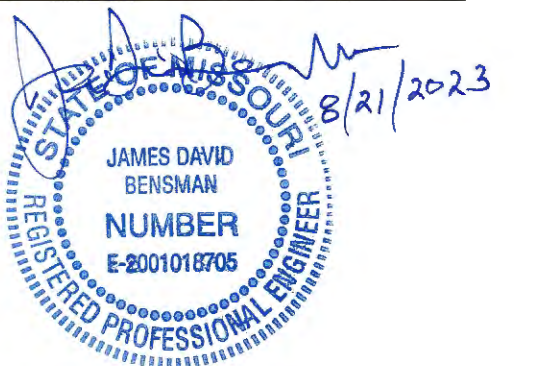
CAD DWG FILE: 801001WALL SITE
DRAWN BY: A.LONG
CHECKED BY: C.HUDDLESTON
DESIGNED BY: J.BENSMAN

SHEET TITLE:
ALTERNATE #1 AND
ALTERNATE #2
ENTRANCE WALL
REHABILITATION

SHEET NUMBER:

C-121

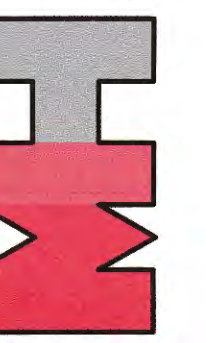
SHEET 25 OF 28
JULY 10, 2023



JAMES D. BENSMAN
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DATE: _____
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DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/10/2023

CAD DWG FILE: 801001DETAILS-2
DRAWN BY: R.HAYES/ALONG
CHECKED BY: C.HUDDLESTON
DESIGNED BY: J.BENSMAN

SHEET TITLE:
ALTERNATE #1 AND #2
ENTRANCE WALL
PHOTOGRAPHS
AND DETAILS

SHEET NUMBER:

C-501

SHEET 26 OF 28
JULY 10, 2023

WALL REPAIR AREA: APPROXIMATELY 6 LF OF CAP AND WALL STONE MASONRY WALL REPAIR.



PHOTOGRAPH E

WALL REPAIR AREA: APPROXIMATELY 18 LF x HEIGHT, WITH CENTER OF AREA LOCATED APPROXIMATELY 185' NORTH OF SOUTH END OF SOUTH SECTION. PARTIAL DEPTH STONE MASONRY REPAIR.



PHOTOGRAPH D

WALL REPAIR AREA: APPROXIMATELY 18 LF x HEIGHT, WITH CENTER OF AREA LOCATED APPROXIMATELY 185' NORTH OF SOUTH END OF SOUTH SECTION. PARTIAL DEPTH STONE MASONRY REPAIR.



PHOTOGRAPH C

WALL REPAIR AREA: APPROXIMATELY 7 LF OF CAP WITH TOP 2' OF WALL. CENTER OF AREA LOCATED APPROXIMATELY 122' NORTH OF SOUTH END OF SOUTH SECTION. STONE MASONRY REPAIR.



PHOTOGRAPH B

WALL REPAIR AREA: APPROXIMATELY 6 LF x 2' FROM BASE, WITH CENTER OF AREA LOCATED APPROXIMATELY 85' NORTH OF SOUTH END OF SOUTH SECTION. PARTIAL DEPTH STONE MASONRY REPAIR.



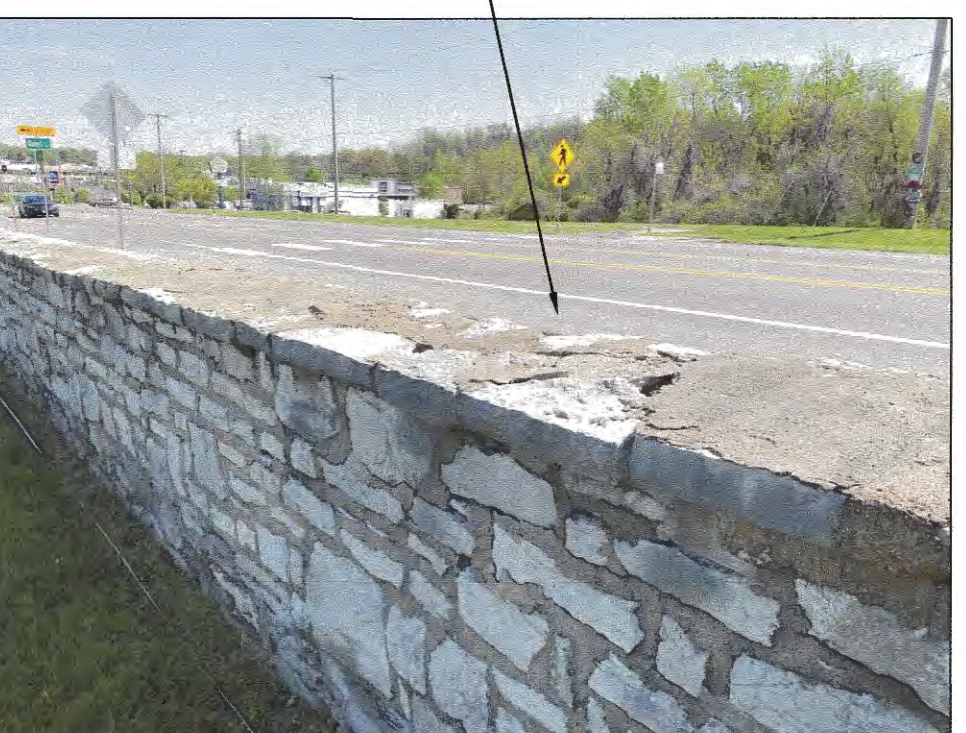
PHOTOGRAPH A

CAP REPAIR AREA: APPROXIMATELY 5 LF CENTERED APPROXIMATELY 67' SOUTH OF SOUTH ENTRANCE WALL.



PHOTOGRAPH J

CAP REPAIR AREA: APPROXIMATELY 6 LF CENTERED APPROXIMATELY 91' SOUTH OF SOUTH ENTRANCE WALL.



PHOTOGRAPH I

WALL REPAIR AREA: APPROXIMATELY 19 LF x HEIGHT, WITH CENTER OF AREA LOCATED APPROXIMATELY 115' SOUTH OF SOUTH ENTRANCE WALL. PARTIAL DEPTH STONE MASONRY REPAIR.



PHOTOGRAPH H

WALL REPAIR AREA: APPROXIMATELY 19 LF x HEIGHT, WITH CENTER OF AREA LOCATED APPROXIMATELY 115' SOUTH OF SOUTH ENTRANCE WALL. PARTIAL DEPTH STONE MASONRY REPAIR.



PHOTOGRAPH G

WALL REPAIR AREA: APPROXIMATELY 6 LF OF CAP AND WALL STONE MASONRY WALL REPAIR.



PHOTOGRAPH F

WALL REPAIR APPROXIMATELY 15 LF x HEIGHT OF STONE MASONRY WALL REPAIR.



PHOTOGRAPH O

REBUILD EAST SIDE OF CURVED WALL TO BE SYMMETRICAL WITH THE SOUTH SIDE OF ENTRANCE.



PHOTOGRAPH N

WALL REPAIR APPROXIMATELY 24 LINEAR FEET OF BASE OF WALL TO BE REBUILT. CONTRACTOR SHALL EXCAVATE DOWN TO BASE OF WALL OR SUITABLE / SOLID MASONRY, AND REBUILD INTERIOR PORTION OF STONE MASONRY UP TO ONE COURSE ABOVE GRADE.



PHOTOGRAPH M

WALL REPAIR AREA: APPROX. 20 LF x HEIGHT, WITH CENTER OF AREA LOCATED APPROXIMATELY 185' NORTH OF SOUTH END OF SOUTH SECTION. PARTIAL DEPTH STONE MASONRY REPAIR.



PHOTOGRAPH L

WALL REPAIR APPROXIMATELY 15 LF x HEIGHT OF STONE MASONRY WALL REPAIR.



PHOTOGRAPH K

WALL REPAIR APPROXIMATELY 4 SQUARE FEET OF PARTIAL DEPTH STONE MASONRY WALL REPAIR.



PHOTOGRAPH T

WALL REPAIR APPROXIMATELY 5 LF OF STONE MASONRY WALL CAP COURSE.



PHOTOGRAPH S

WALL REPAIR APPROXIMATELY 5 LF OF STONE MASONRY WALL CAP COURSE.



PHOTOGRAPH R

WALL REPAIR APPROXIMATELY 5 LF OF STONE MASONRY WALL CAP COURSE.



PHOTOGRAPH Q

WALL REPAIR APPROXIMATELY 5 LF OF STONE MASONRY WALL CAP COURSE.



PHOTOGRAPH P



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10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

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SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
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ISSUE DATE: 05/05/2023

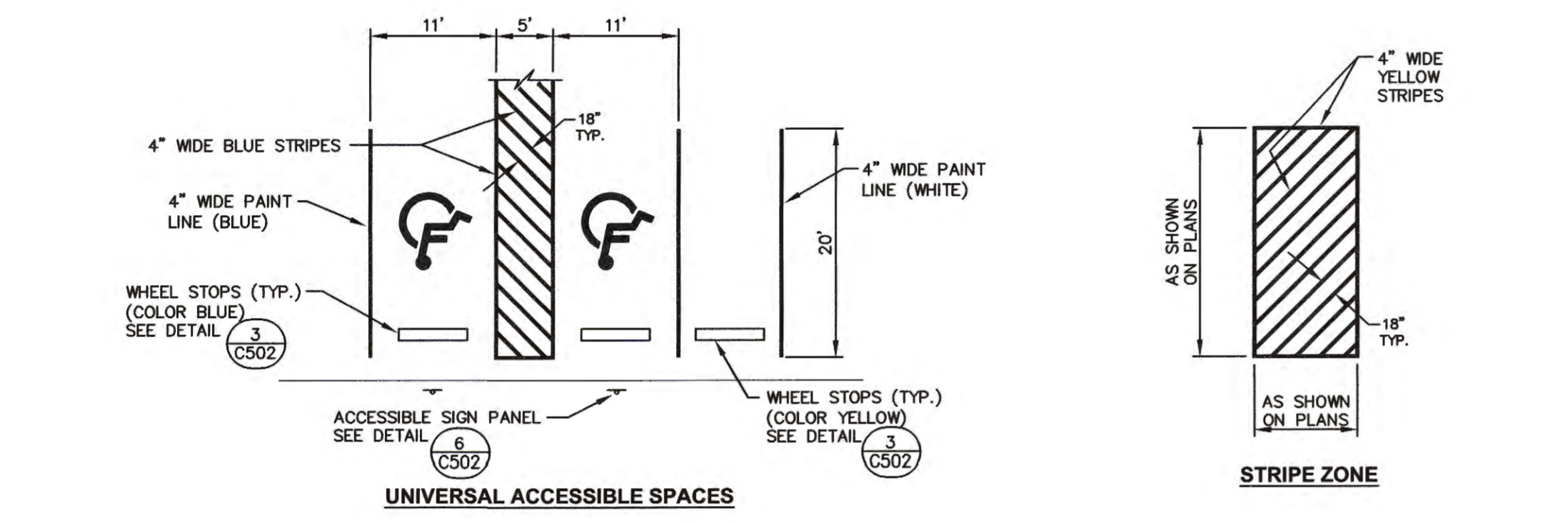
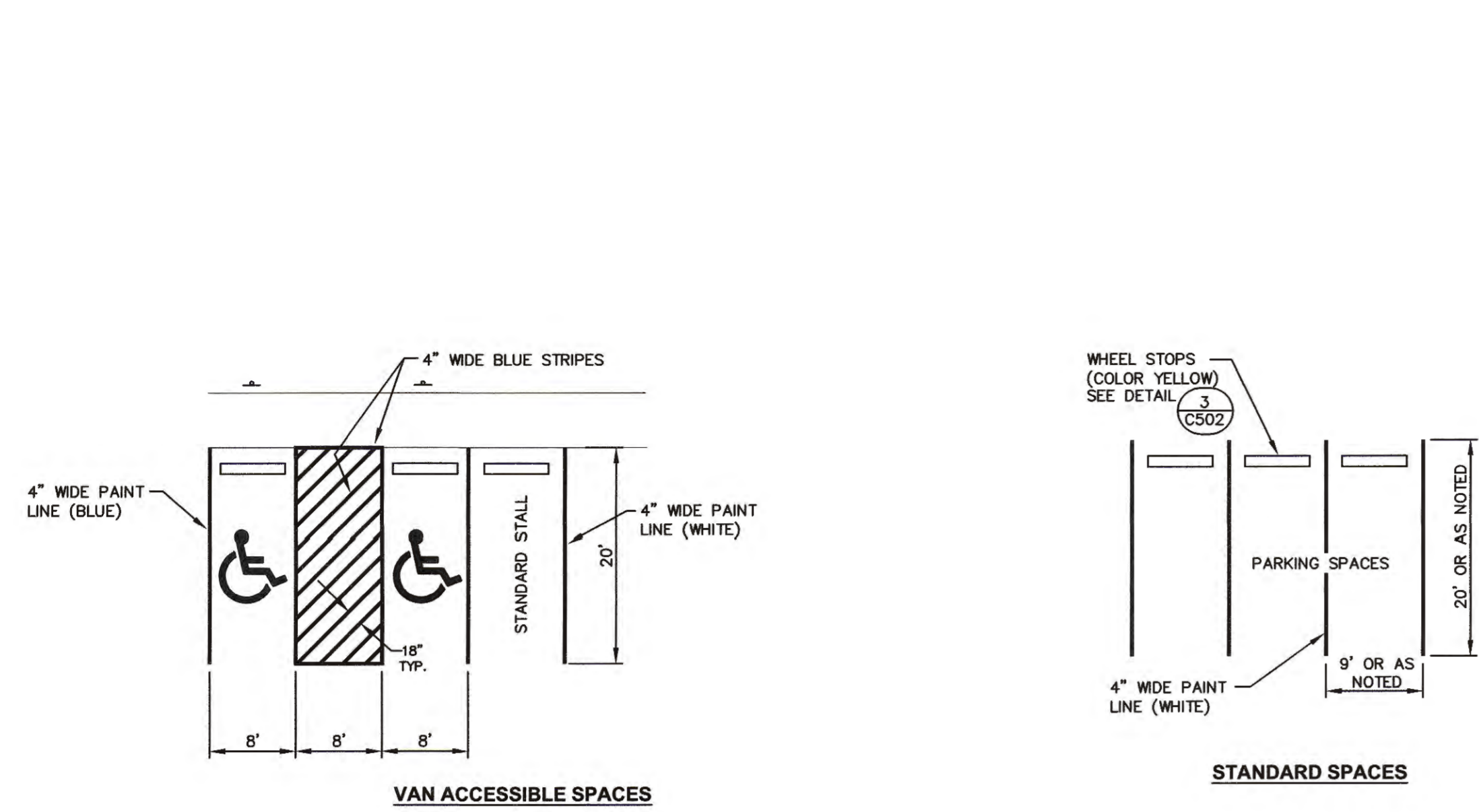
CAD DWG FILE: 801001DETAILS
DRAWN BY: R. HAYES/LONG
CHECKED BY: C. CHUDDESTON
DESIGNED BY: S. VOGLER

SHEET TITLE:
**TYPICAL PAVEMENT
MARKINGS / WHEEL STOP
& SPEED TABLE DETAILS**

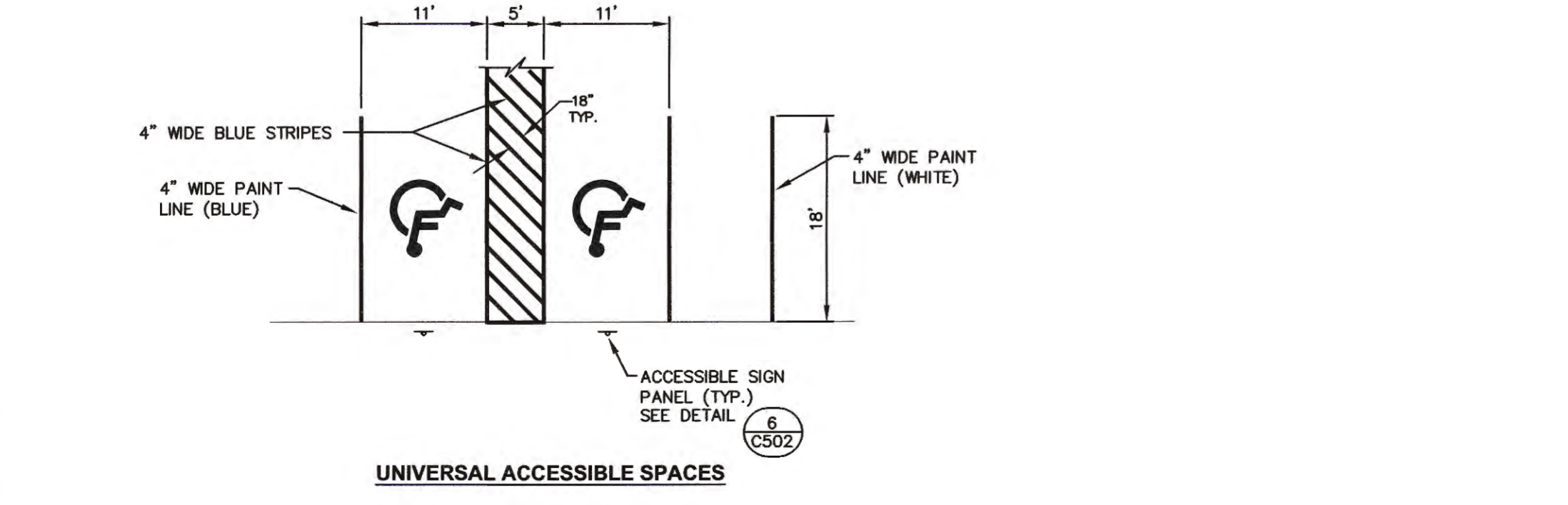
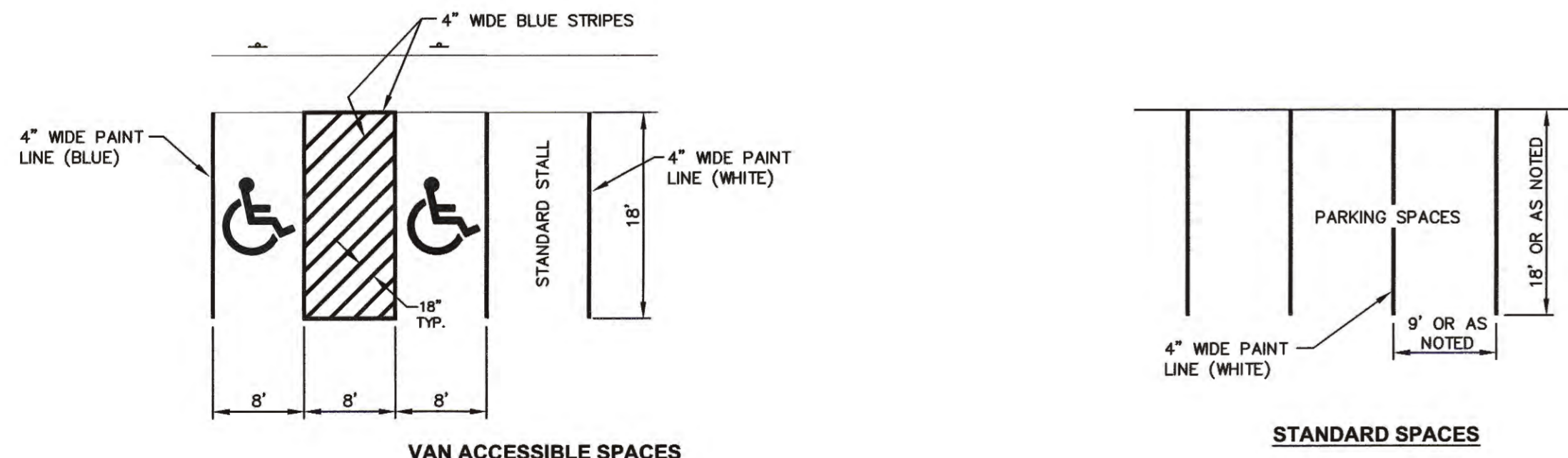
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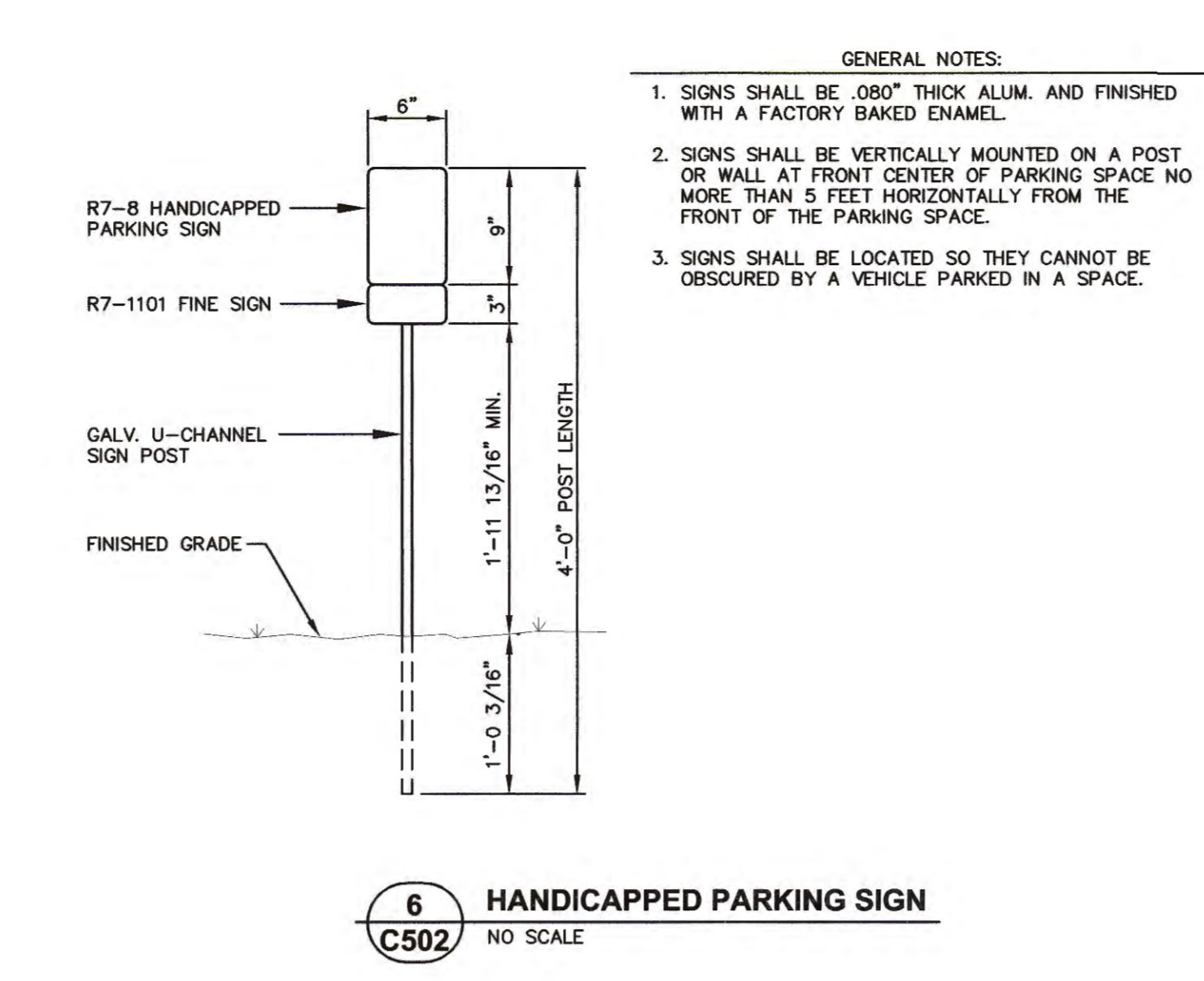
SHEET 27 OF 28
JULY 10, 2023



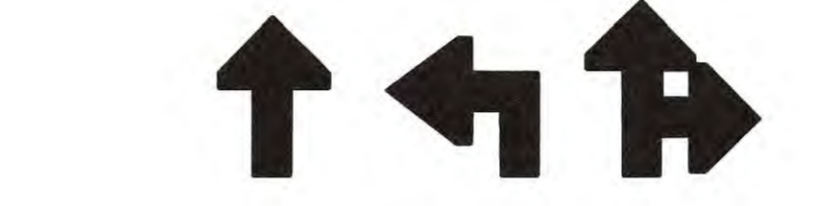
2 TYPICAL PAVEMENT MARKING
C502 NO SCALE (FOR PARKING AREA WITH WHEEL STOPS)



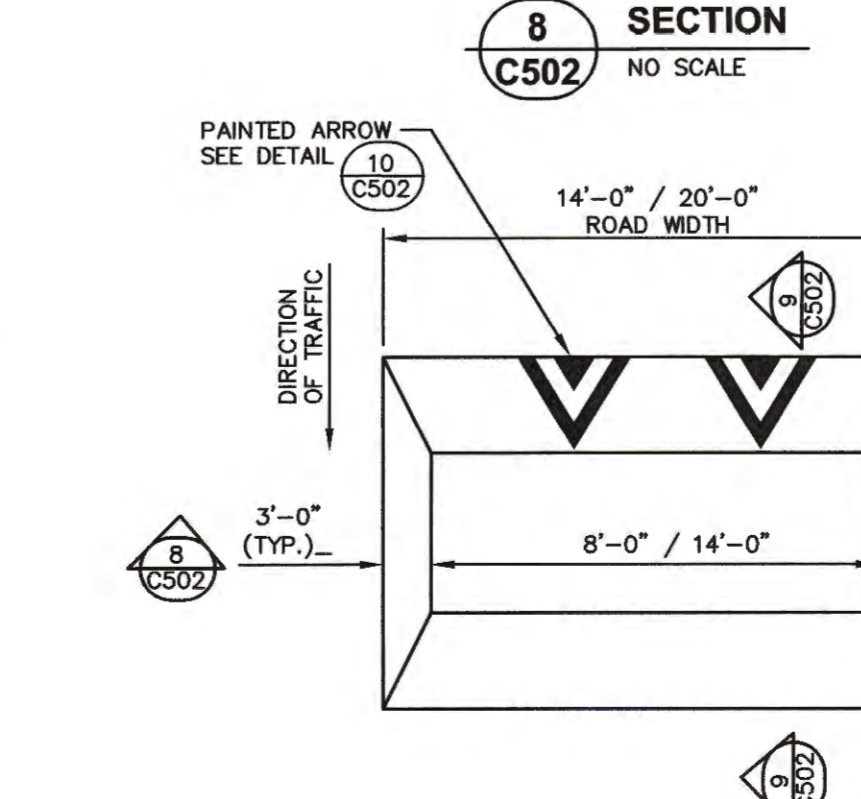
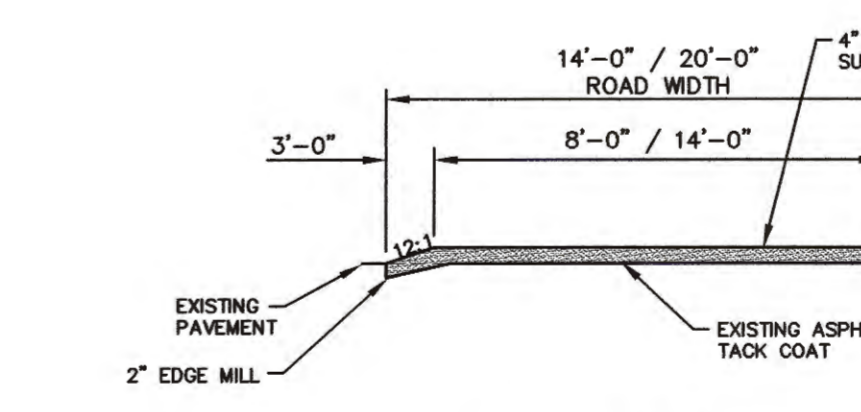
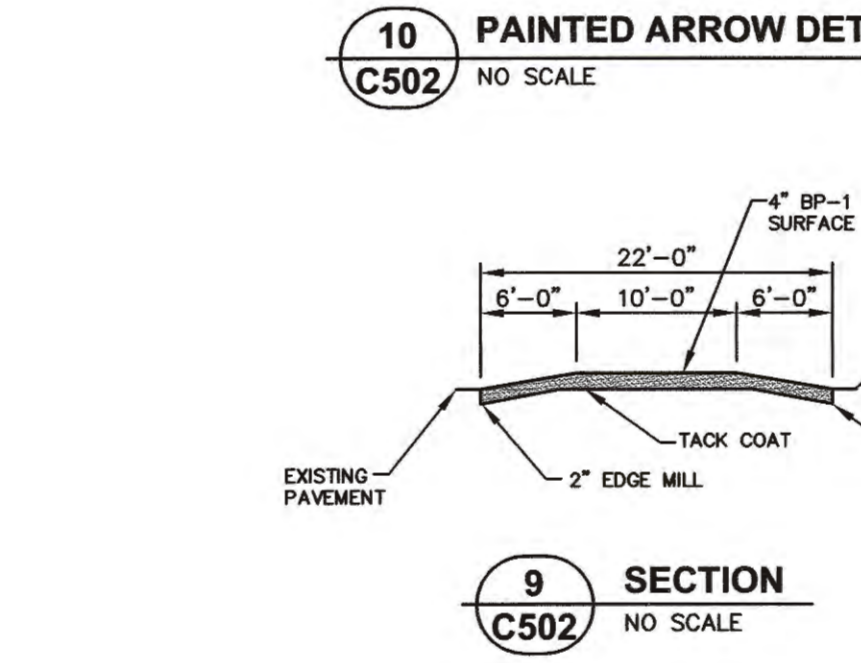
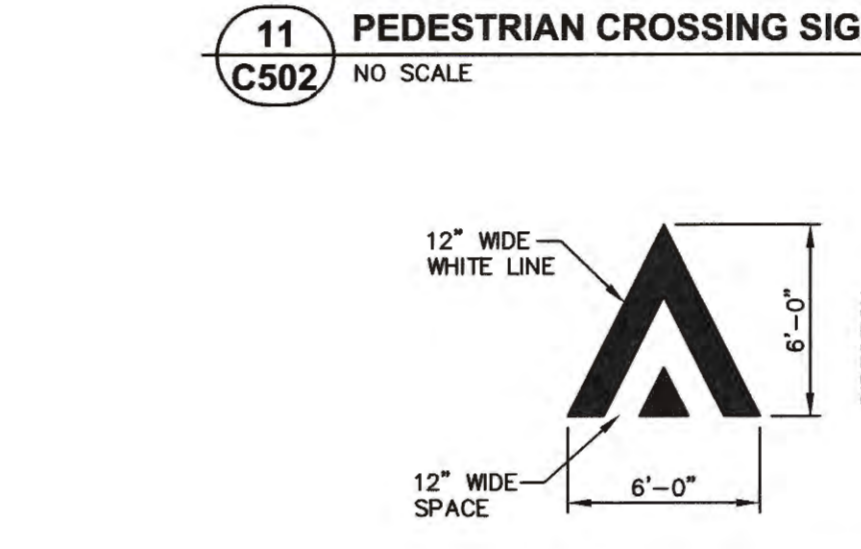
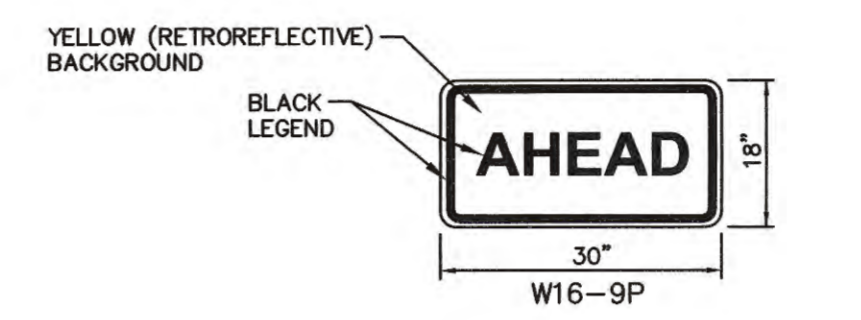
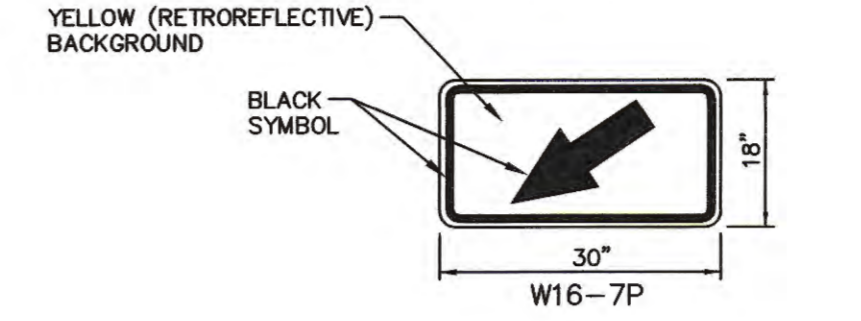
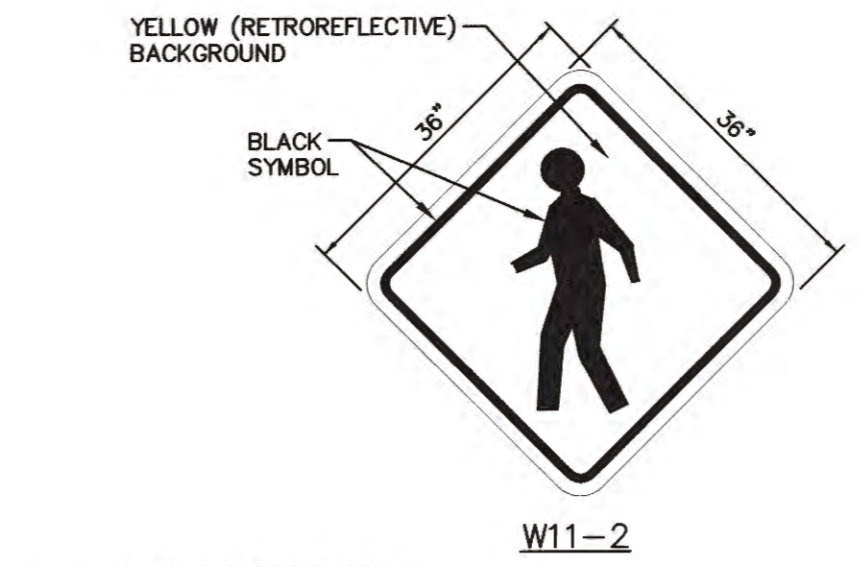
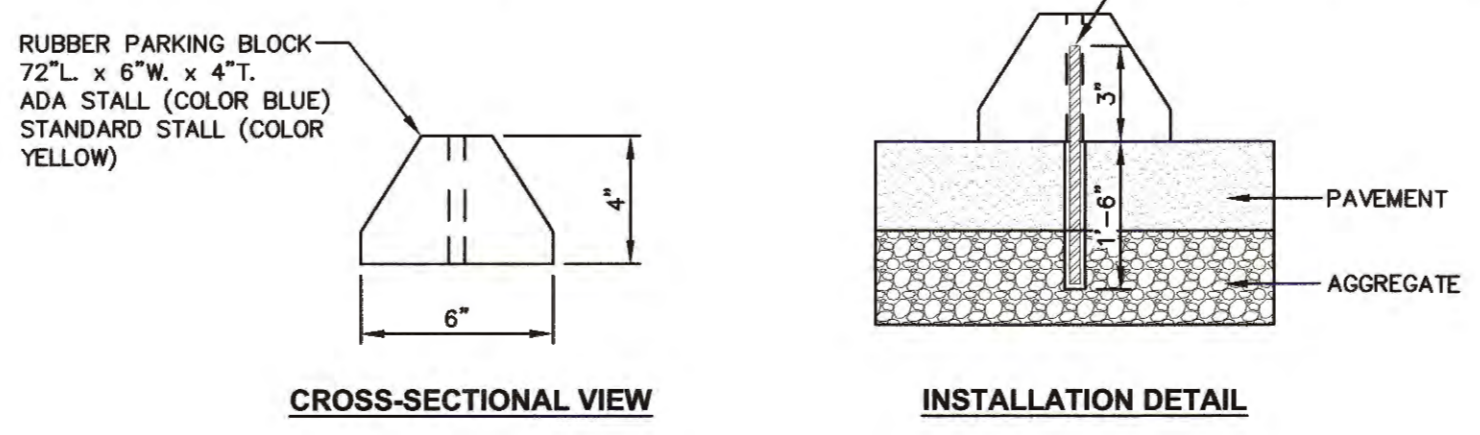
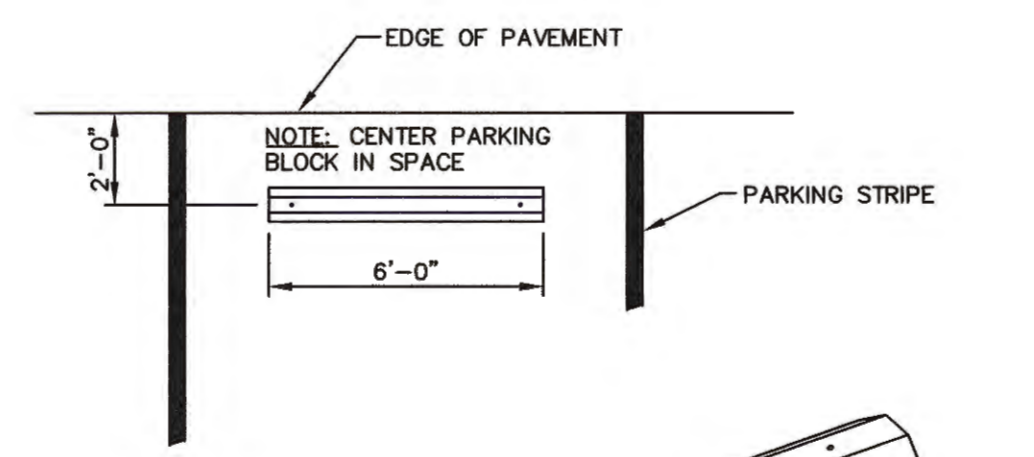
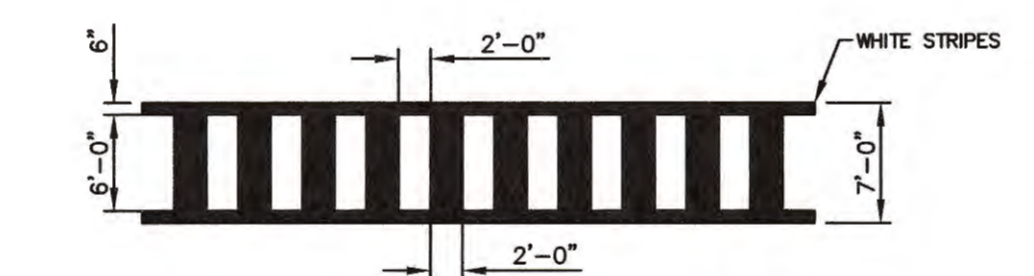
1 TYPICAL PAVEMENT MARKING
C502 NO SCALE (FOR PARKING AREA WITHOUT WHEEL STOPS)



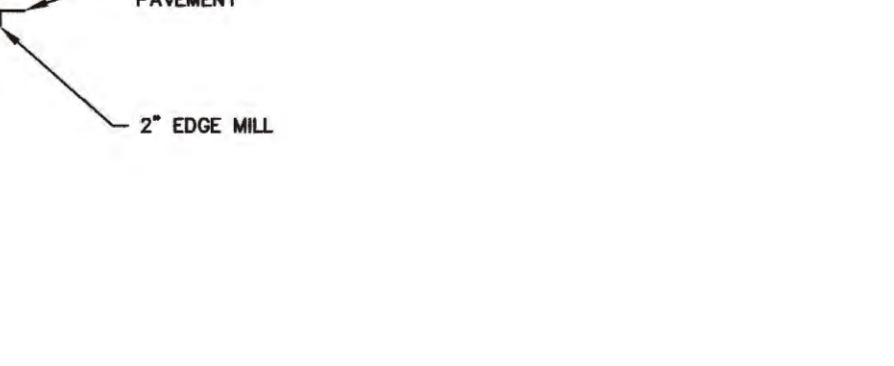
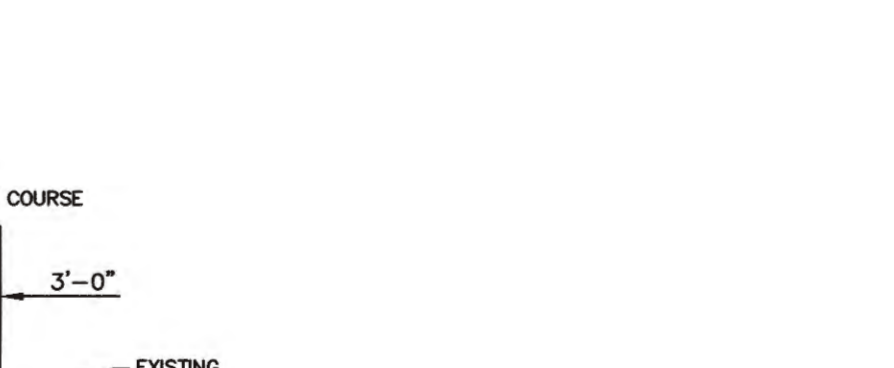
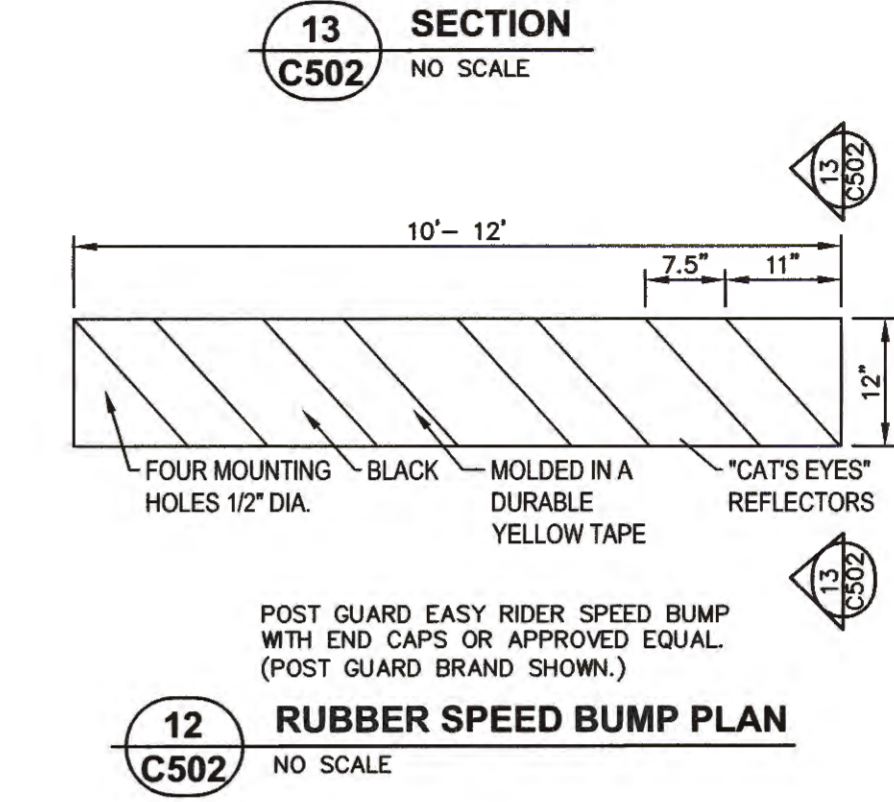
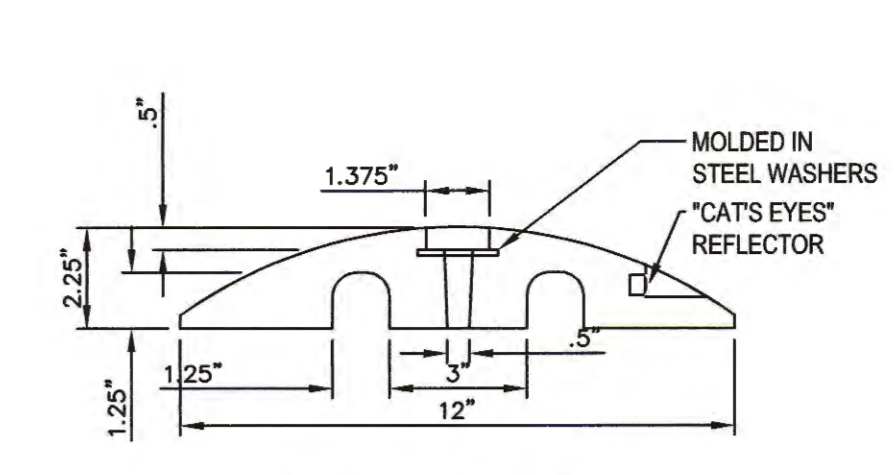
GENERAL NOTES:
1. SIGNS SHALL BE .080" THICK ALUM. AND FINISHED WITH A FACTORY BAKED ENAMEL.
2. SIGNS SHALL BE VERTICALLY MOUNTED ON A POST OR WALL AT FRONT CENTER OF PARKING SPACE NO MORE THAN 5 FEET HORIZONTALLY FROM THE FRONT OF THE PARKING SPACE.
3. SIGNS SHALL BE LOCATED SO THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN A SPACE.



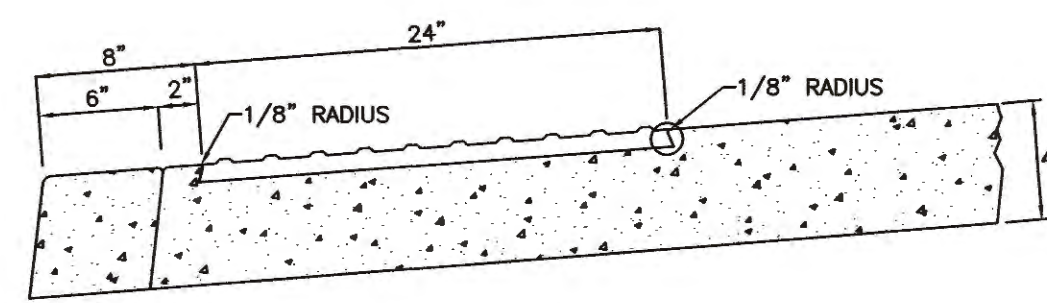
ARROWS SHALL BE PAINTED WHITE AND SIZED TO MEET STANDARDS.



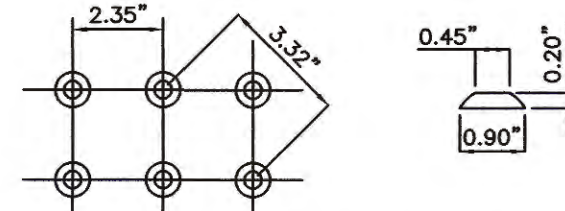
7 SPEED TABLE PLAN
C502 NO SCALE



5 SECTION
C502 NO SCALE



CROSS SECTION OF DETECTABLE WARNING PANEL

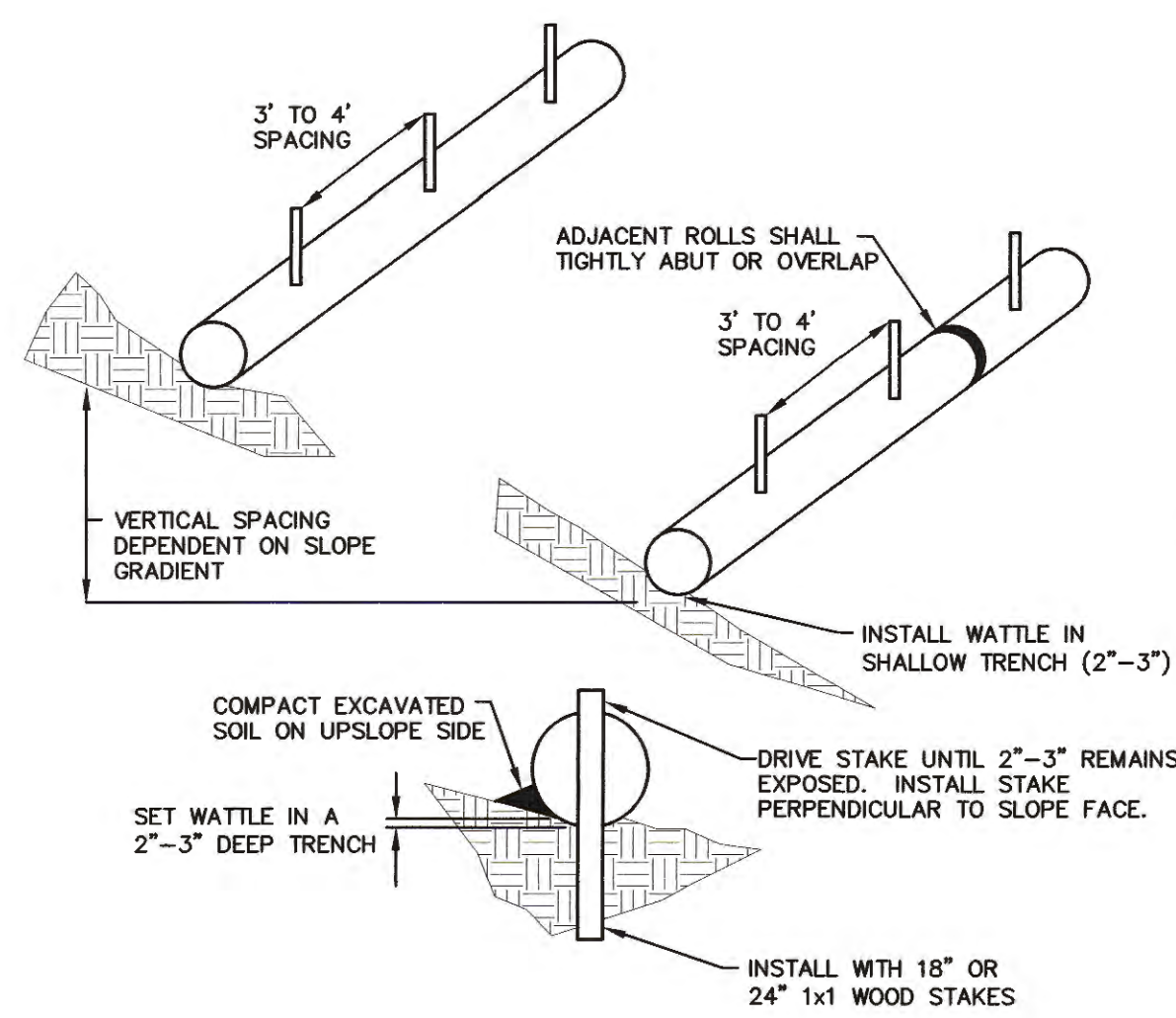


AMERICANS WITH DISABILITIES ACT 4.29.2 STANDARDS

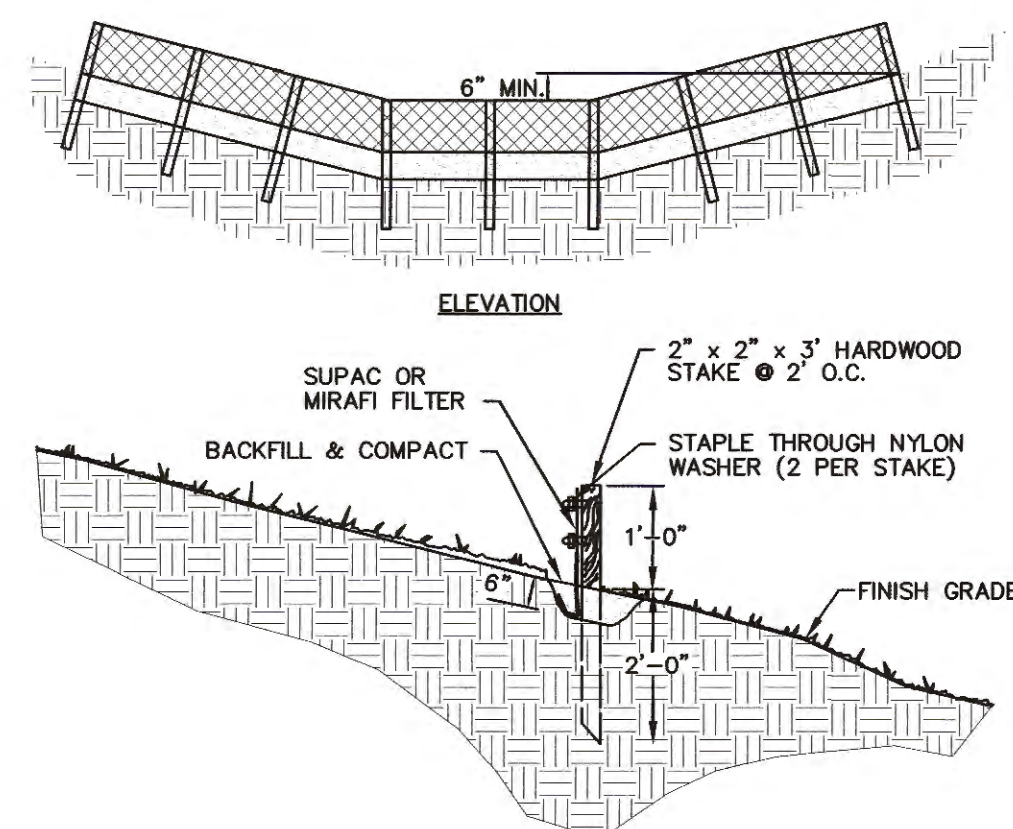
A.D.A. RAMP DETECTABLE WARNING PANELS

1. ALL A.D.A. RAMP WHERE THE SIDEWALK INTERSECTS AN ALLEY OR COMMERCIAL ENTRANCE HAVING A TRAFFIC CONTROL SIGN OR SIGNAL, OR WHERE THE SIDEWALK INTERSECTS A STREET SHALL HAVE DETECTABLE WARNING PANELS. THE PANELS ARE TO BE ADA SOLUTIONS 2448 REPR (OR APPROVED EQUAL) AND SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
2. PLACE TRUNCATED A.D.A. RAMP DETECTABLE WARNING PANELS AT THE BASE OF THE CURB RAMP. INSTALL PANELS ACROSS FULL WIDTH OF RAMP, WITH A MINIMUM OF 24" IN DEPTH, AND SET BACK 2"-6" FROM THE BACK OF CURB/BOTTOM OF RAMP. (SEE RAMP DETAILS)
3. THE COLOR OF THE TRUNCATED A.D.A. RAMP DETECTABLE WARNING PANELS SHALL BE COLONIAL OR BRICK RED (OR APPROVED EQUAL). THE FINAL COLOR SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
4. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURERS INSTRUCTIONS FOR PROPER INSTALLATION OF THE TRUNCATED A.D.A. RAMP DETECTABLE WARNING PANELS.

12 TRUNCATED DOME PANELS
C503 NO SCALE



STRAW WATTLE (ALTERNATE)



SILT FENCE

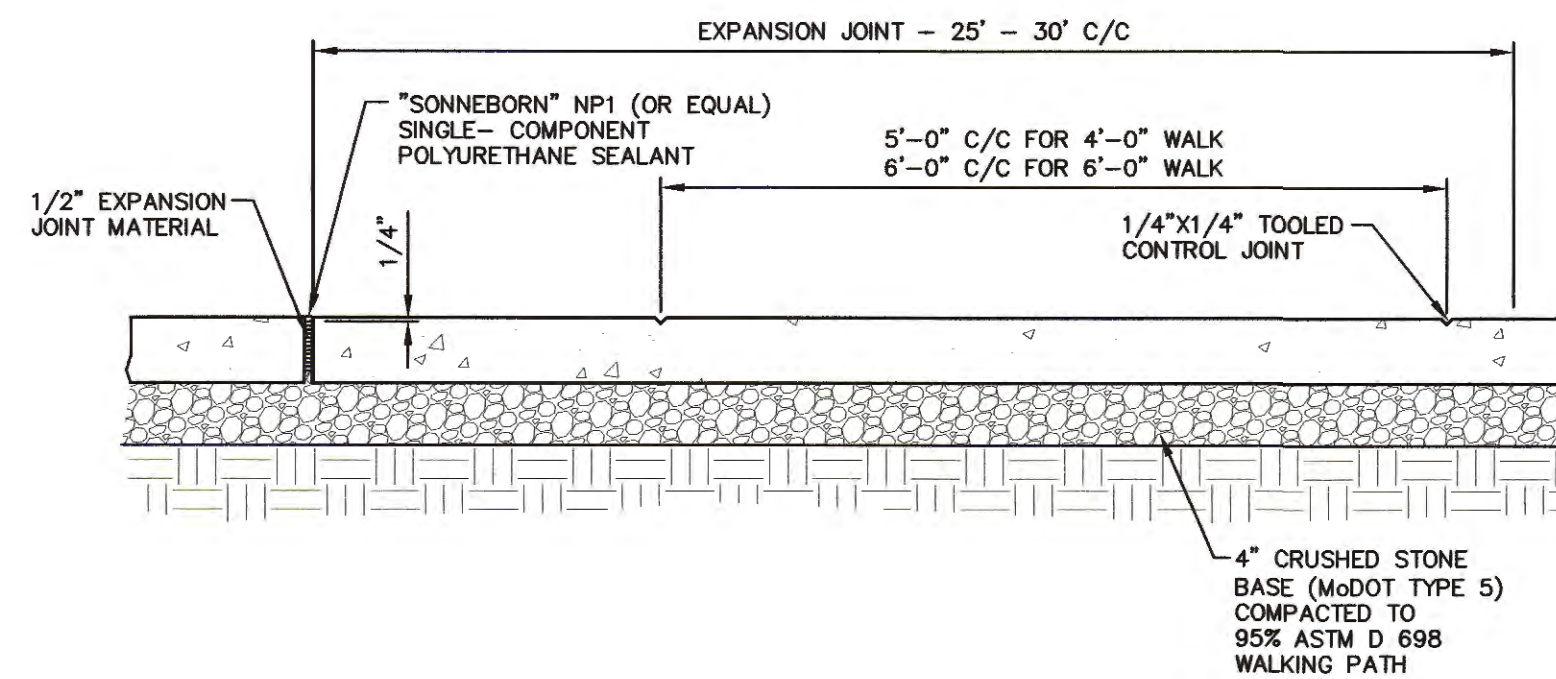
1 EROSION CONTROL DETAILS
C503 NO SCALE

NOTES:

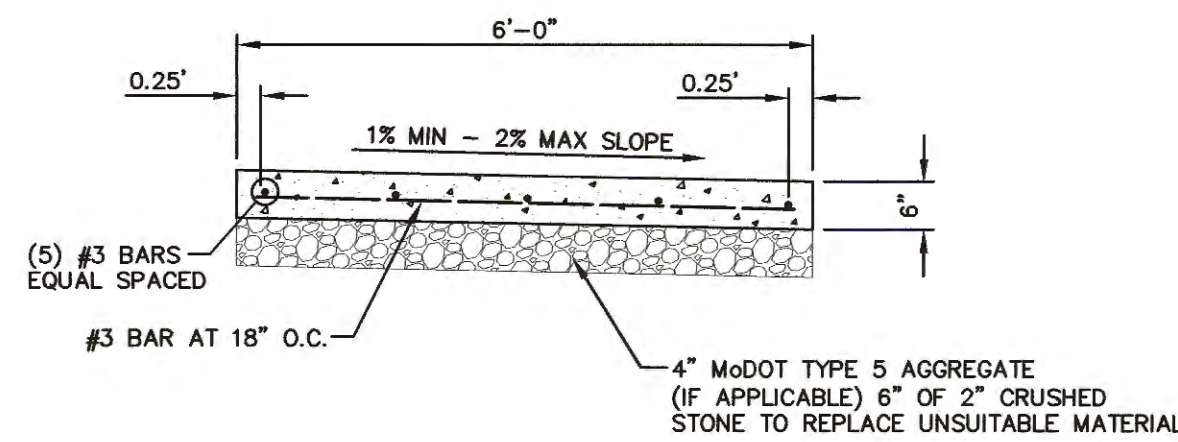
1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" DEEP X 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD OVERLAP 24" - SHINGLE IN DIRECTION OF FLOW.
3. SECURE THE WATTLE WITH 18-24" STAKES EVERY 3-4' AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2-3" OF STAKE EXTENDED ABOVE THE WATTLE. STAKE SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.

NOTES:

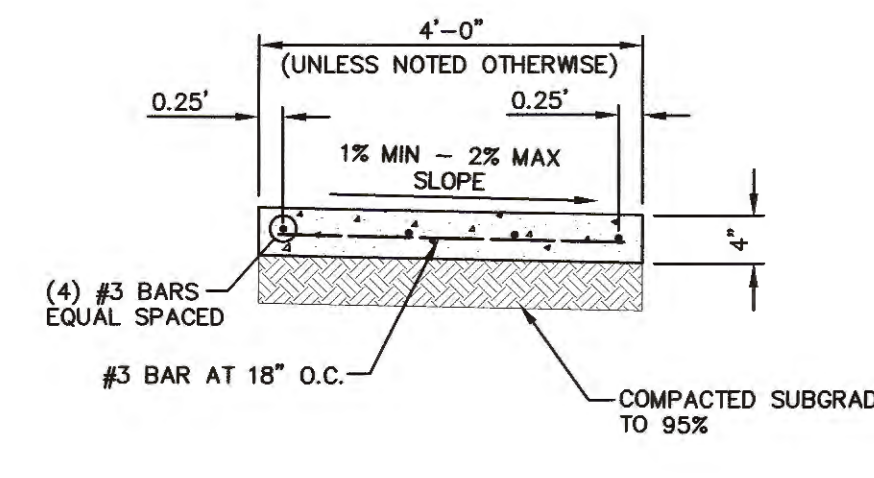
1. INSTALLATION SHALL COMPLY WITH ASTM D 6462 LATEST EDITION.
2. WHEN TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED ACROSS TWO POSTS, 60" MIN. AS SHOWN.
3. MAINTENANCE SHALL BE PERFORMED. DEPTH OF ACCUMULATED SEDIMENTS MAY NOT EXCEED 1/4 THE HEIGHT OF THE FENCE. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING 1/2 THE HEIGHT OF THE FENCE FABRIC ABOVE GRADE.
4. WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
5. COMPACTING IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQ. INCH. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
6. ADD POST CAPS AS NEEDED BASED ON SITE CONDITIONS AND APPLICABLE AGENCY REQUIREMENTS.



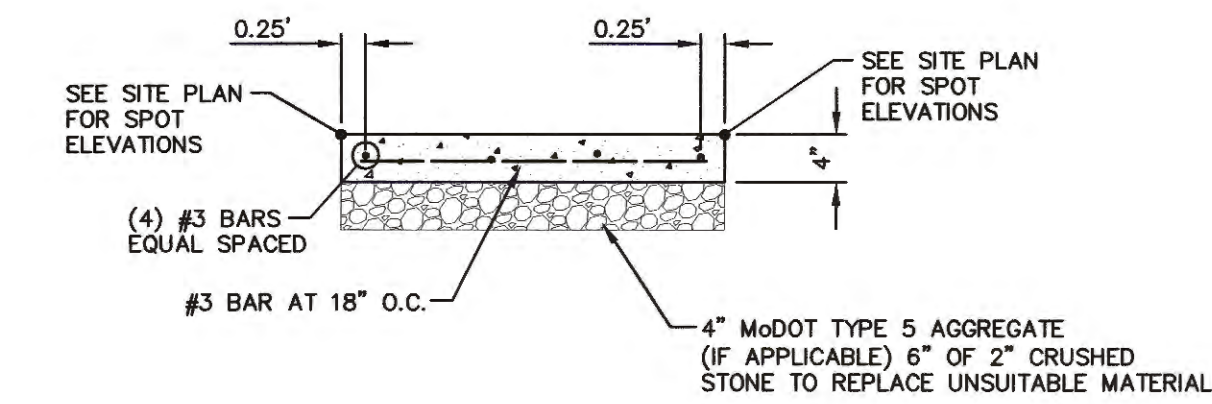
16 SIDEWALK WALKING PATH CONTROL JOINTS
C503 NO SCALE



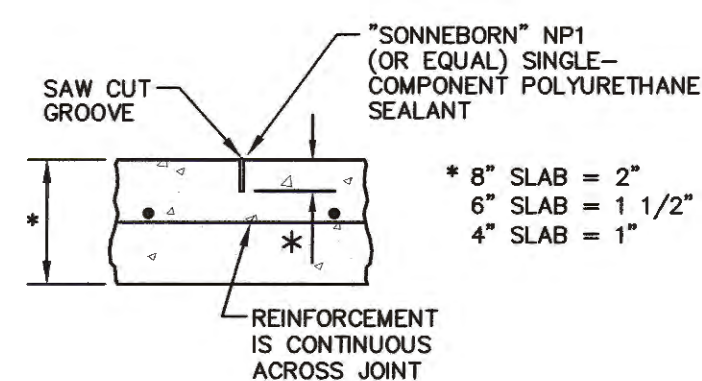
13 CONCRETE WALKING PATH
C503 NO SCALE



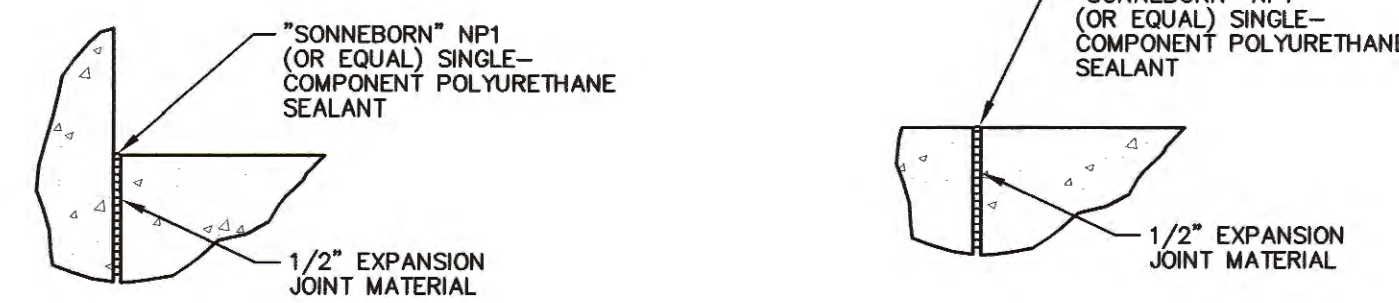
14 CONCRETE SIDEWALK
C503 NO SCALE



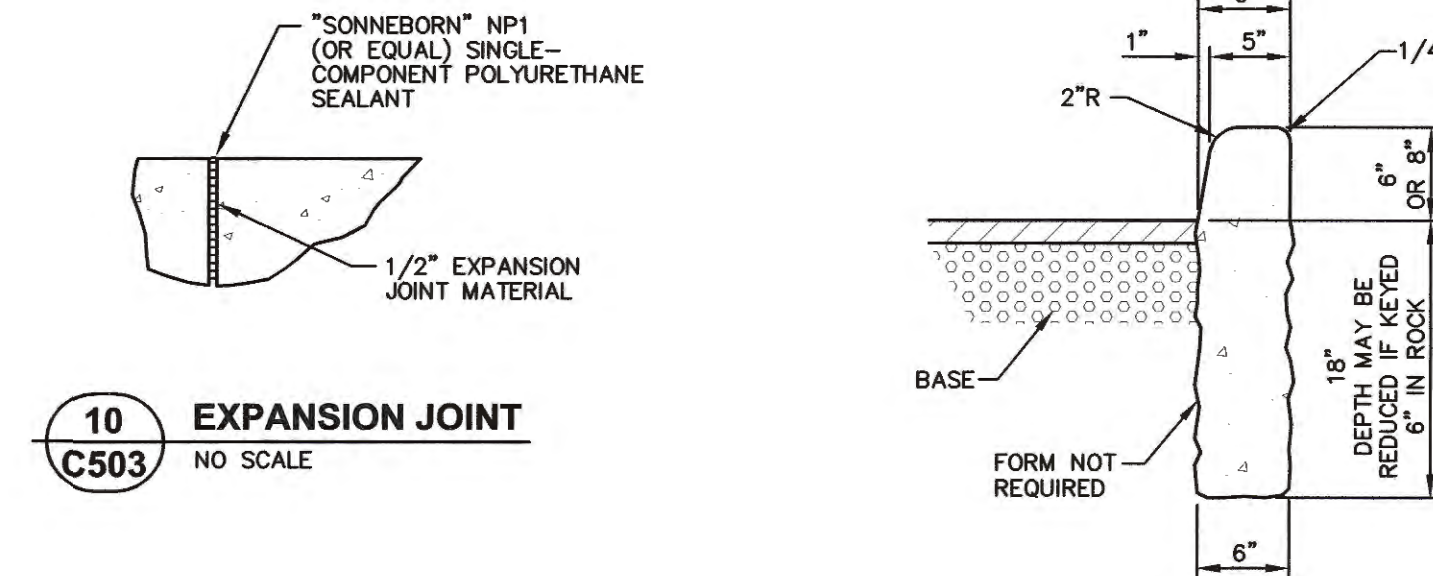
15 CONCRETE SLAB
C503 NO SCALE



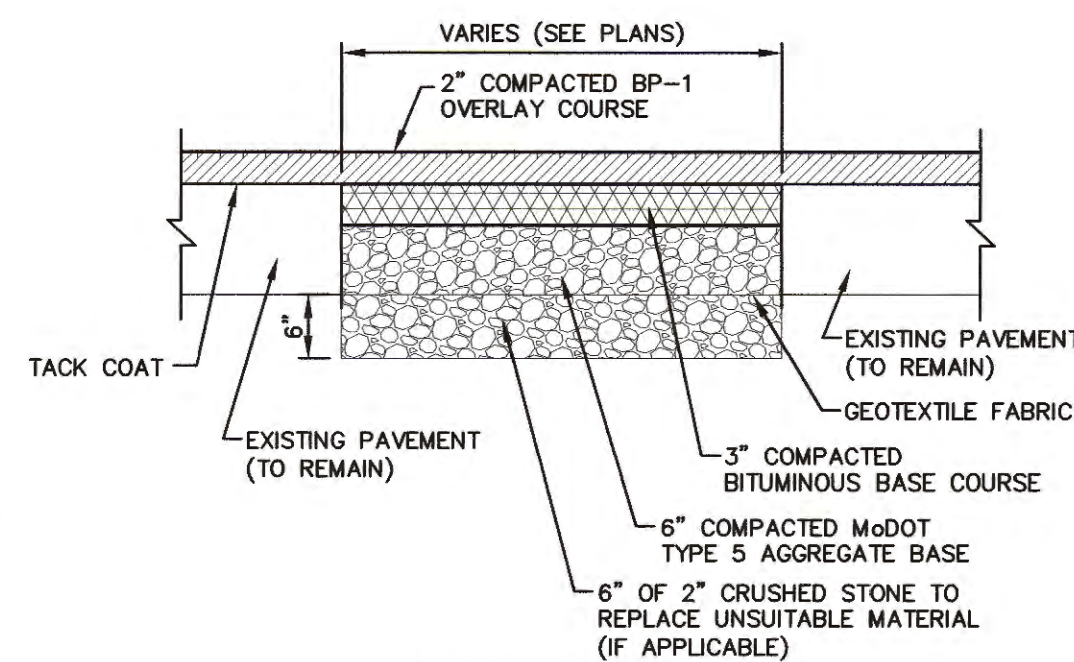
8 CONTROL JOINT
C503 NO SCALE



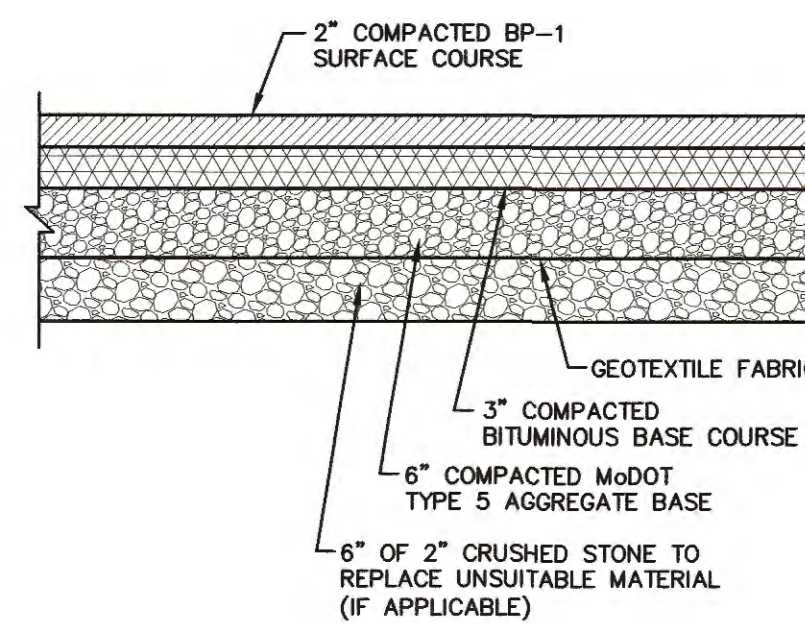
9 EXPANSION JOINT
C503 NO SCALE



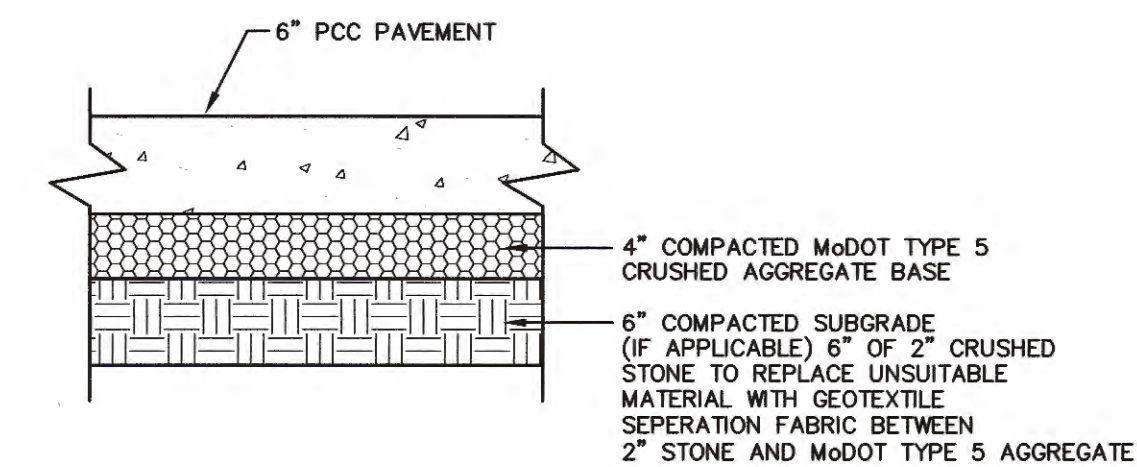
11 BARRIER CURB
C503 NO SCALE



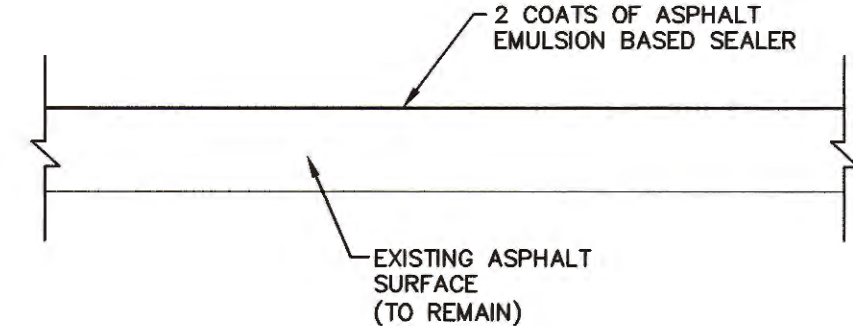
5 PAVEMENT PATCH (SUBGRADE FAILURE)
C503 NO SCALE



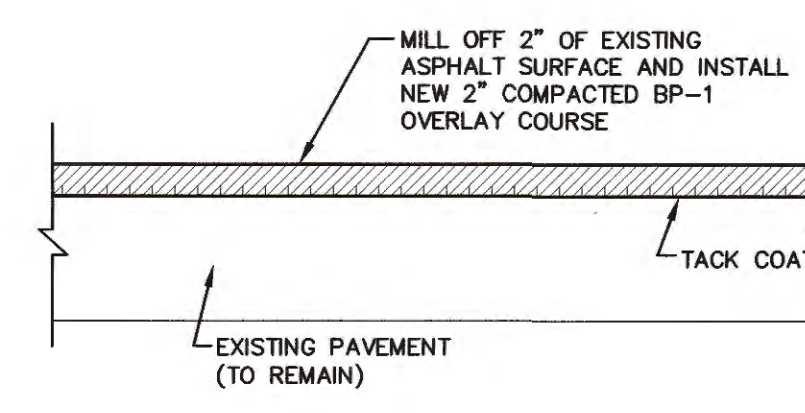
6 ASPHALT SURFACE SECTION
C503 NO SCALE



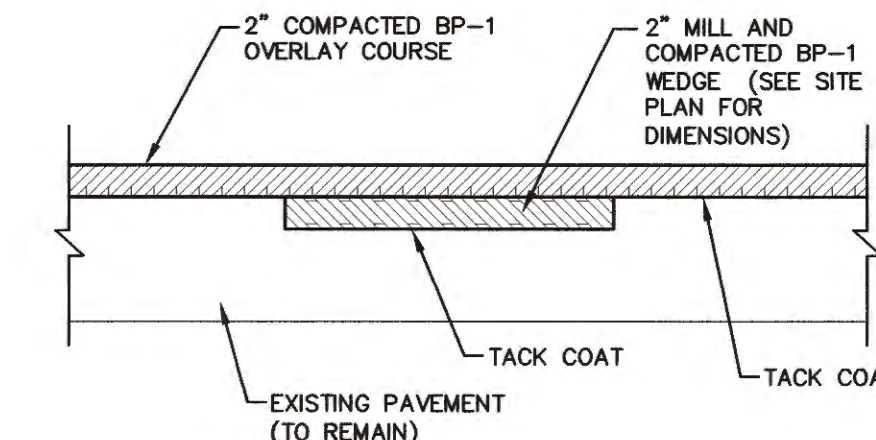
7 CONCRETE SURFACE SECTION
C503 NO SCALE



2 ASPHALT SEAL COAT
C503 NO SCALE



3 EXISTING ASPHALT MILL AND OVERLAY
C503 NO SCALE



4 MILL WITH WEDGE REPAIR AND OVERLAY
C503 NO SCALE



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REPAIR PAVING /
INFRASTRUCTURE
AND STONE WALL

BELLEFONTAINE
HABILITATION CENTER
10695 BELLEFONTAINE ROAD

SAINT LOUIS COUNTY

PROJECT # M1904-01
SITE # 7356
ASSET # 6517356071

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 07/10/2023

CAD DWG FILE: 801001DETAILS
DRAWN BY: R.HAYES/ALONG
CHECKED BY: C.HUDDLESTON
DESIGNED BY: S.VOGLER

SHEET TITLE:
**EROSION CONTROL /
PAVEMENT SECTIONS
& SIDEWALK DETAILS**

SHEET NUMBER:

C-503

SHEET 28 OF 28
JULY 10, 2023