

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

SURFACE TRANSPORTATION URBAN FUNDING VILLAGE OF DIAMOND FAU 383 (IL 113) SECTION 14-00010-00-WR PROJECT M-4003 (410) WILL COUNTY C-93-019-15

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|--------------------|--------------|-----------|
| 383 | 14-00010-00-WR | WILL | 71 | 1 |
| FED. ROAD DIST. NO. - | ILLINOIS | CONTRACT NO. 87606 | | |

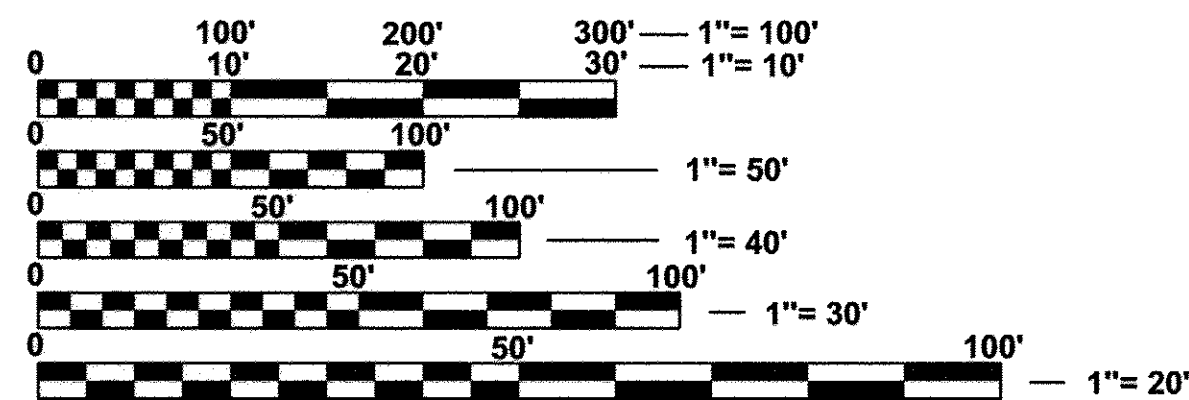
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- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-08 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 442201-03 CLASS C AND D PATCHES
- 515001-03 NAME PLATES FOR BRIDGES
- 542011-02 CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS
15" (375 mm) THRU 72" (1800 mm) EQUIVALENT DIAMETER

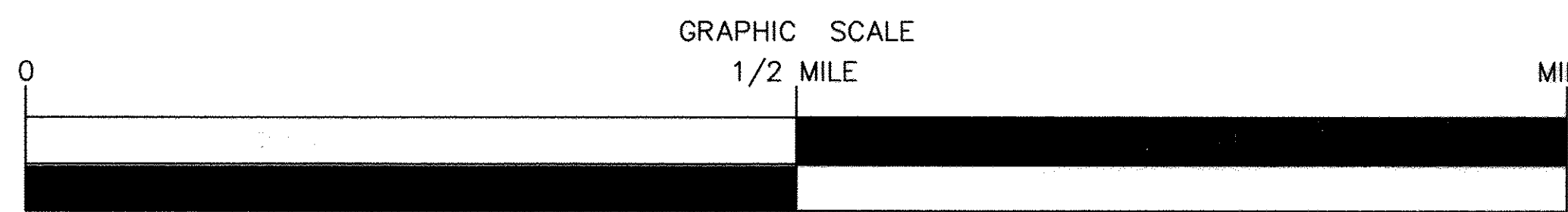
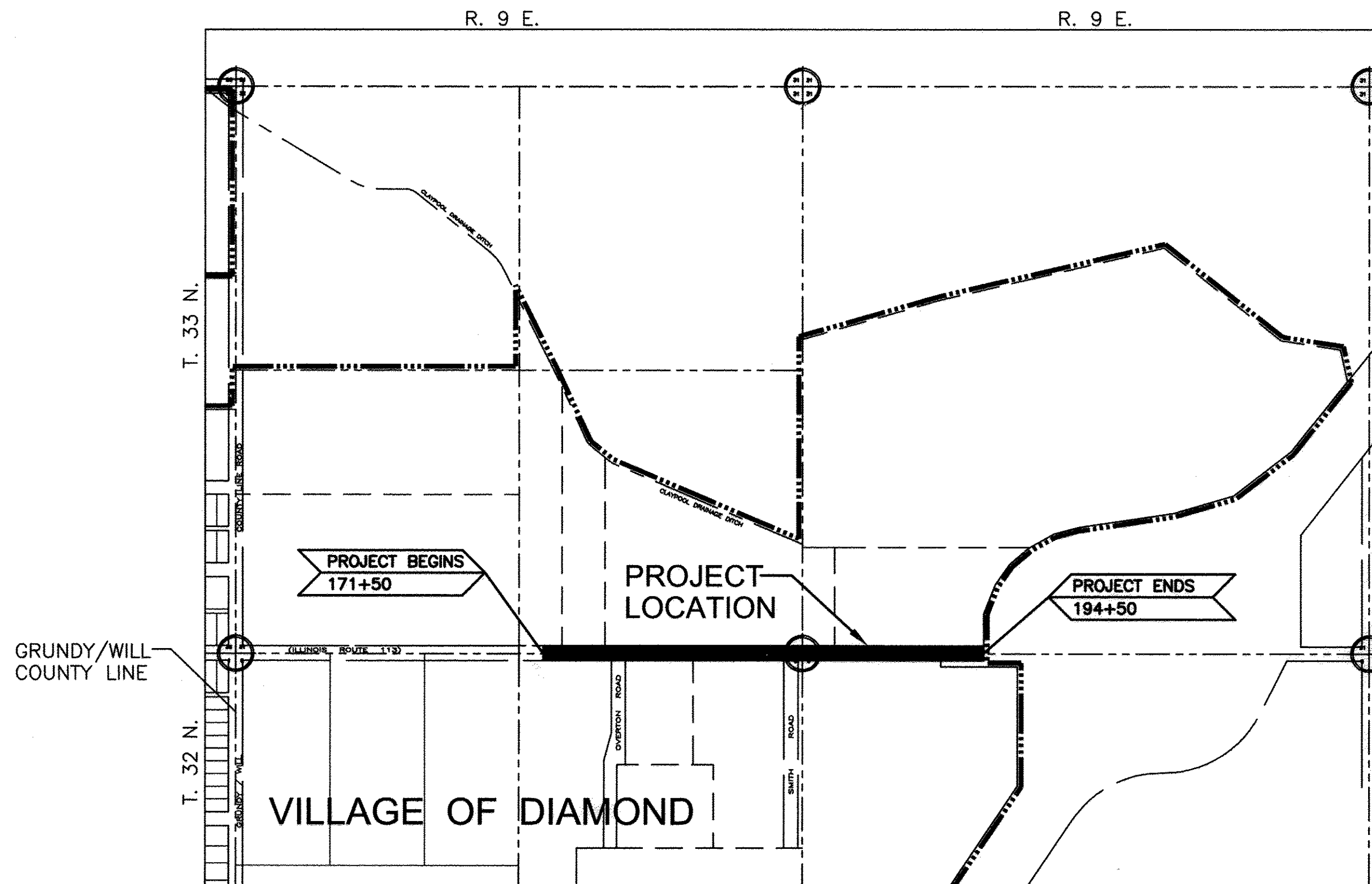
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602301-04 INLET, TYPE A
- 602306-03 INLET, TYPE B
- 602401-03 MANHOLE, TYPE A
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- 602701-02 MANHOLE STEPS
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- 604006-05 FRAME AND GRATE, TYPE 3
- 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 667101-02 PERMANENT SURVEY MARKERS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (500 MM) FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
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- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
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- 701901-05 TRAFFIC CONTROL DEVICES
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- 720006-04 SIGN PANEL ERECTION DETAILS
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782001-01 CURB REFLECTORS



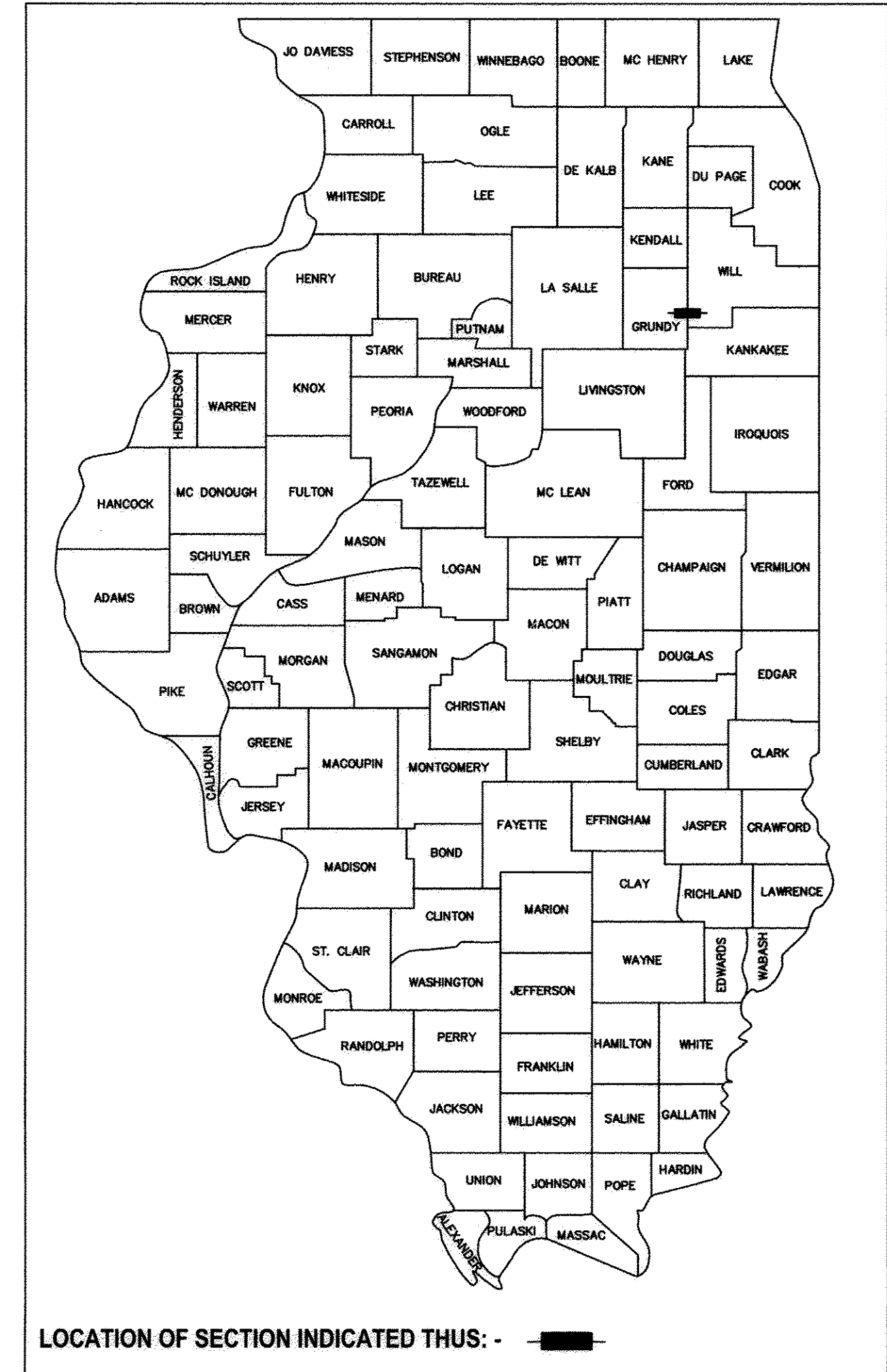
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

CONTRACT NO. 87606



NET LENGTH OF SECTION 2300' (0.436 MILES)
GROSS LENGTH OF SECTION 2300' (0.436 MILES)



FAU 383 (IL 113)
FUNCTION CLASSIFICATION: MINOR ARTERIAL
ADT= 11100 (2013)
POSTED SPEED 45 MPH
DESIGN SPEED 45 MPH
ADT= 12432 (2015)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 20 2016
[Signature]
PRESIDENT, VILLAGE OF DIAMOND

7/15 2016
[Signature]
DISTRICT 3 LOCAL ROADS AND STREETS ENGINEER

[Signature]
date
JAMES K. CLINARD
LICENSED PROFESSIONAL ENGINEER
NO. 062-041793
STATE OF ILLINOIS
expires 11-30-2017
[Signature]
signature
PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-001717

RELEASED FOR BID BASED ON LIMITED REVIEW
7/15 2016
[Signature]
REGION 2 ENGINEER

JAMES K CLINARD
CHAMLIN & ASSOCIATES
815.223.3344

GENERAL NOTES

THE THICKNESS OF HMA MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

PLACE CURB RAMPS FOR SIDEWALKS AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.

ALL ELEVATIONS REFERRING TO U. S. G. S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

| | | |
|------------------------------|--------|--------------------------|
| GRANULAR MATERIALS | 2.05 | TONS/CU YD |
| HMA RESURFACING | 112 | LBS/SQ YD/IN |
| SHORT TERM PAVEMENT MARKING | 10 | FT/100 FT OF APPLICATION |
| MIX FOR CRACKS, JTS & FLGWYS | 0.0003 | TONS/SQ YD |
| LEVEL BINDER (HAND METHOD) | 0.0005 | TONS/SQ YD |
| SUPPLEMENTAL WATERING | 3 | GAL/SQ YD/APPLICATION |
| CALCIUM CHLORIDE | 2 | LB/SQ YD/APPLICATION |
| AGGREGATE DITCH CHECKS | 5 | TONS AGGREGATE |

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

AT&T MIDWEST
1000 COMMERCE DRIVE, FLOOR 1
DAK BROOK, IL 60523 1-630-573-6414

COMED
1910 SOUTH BRIGGS STREET
JOLIET, IL 60431 1-630-453-9491

NICOR GAS
3000 E. CASS STREET
JOLIET, IL 60432-9731 1-815-740-4100

COMCAST
1304 MARQUETTE DRIVE
ROSEMONT, IL 60446 1-847-489-0283

VILLAGE OF DIAMOND
1750 E. DIVISION ST.
DIAMOND, IL 60416 1-815-634-8149

COMMITMENTS: THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE EMERGENCY SERVICES AND SCHOOL DISTRICTS TWO WEEKS IN ADVANCE OF THE WORK.

THE EXISTING SECTION CORNER (BRASS MONUMENT) AT STA. 186+75.95 AND STA. 187+32.56 SHALL BE PRESERVED IN ACCORDANCE WITH SECTION 668 OF THE STANDARD SPECIFICATIONS. A NEW PERMANENT SURVEY MARKER SHALL BE SET IN THEIR PLACE AND LAND SECTION MARKERS SHALL BE SET IN ACCORDANCE WITH DETAIL ON SHEET 48.

HORIZONTAL CONTROL (STATE PLANE COORDINATES)

| | NORTHING | EASTING |
|----------------------------|------------|------------|
| STA. 171+50 | 1683407.22 | 1009090.47 |
| STA. 178+47.89/STA. 300+00 | 1683428.61 | 1009788.03 |
| STA. 183+00 | 1683442.46 | 1010239.93 |
| STA. 194+50 | 1683477.71 | 1011389.39 |

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| | | |
|-----------------|-----------|-------------|
| DRAWN BY: NV | REVISIONS | |
| | LEVEL | DESCRIPTION |
| CHECKED BY: JKC | BY | DATE |
| DATE: 01/15 | | |

CHAMPLIN
ASSOCIATES, INC.

PERU MORRIS
ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

GENERAL NOTES

CONSTRUCTION
PLANS

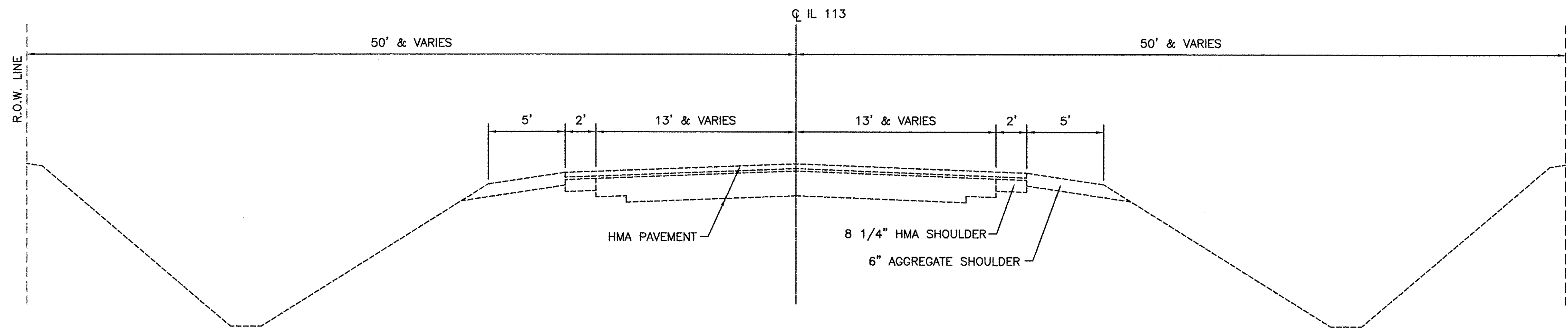
CURRENT AS OF: 05/18/2016

SCALE: AS NOTED SHEET 2
FILE NO.: 66139.01 Y- OF 71

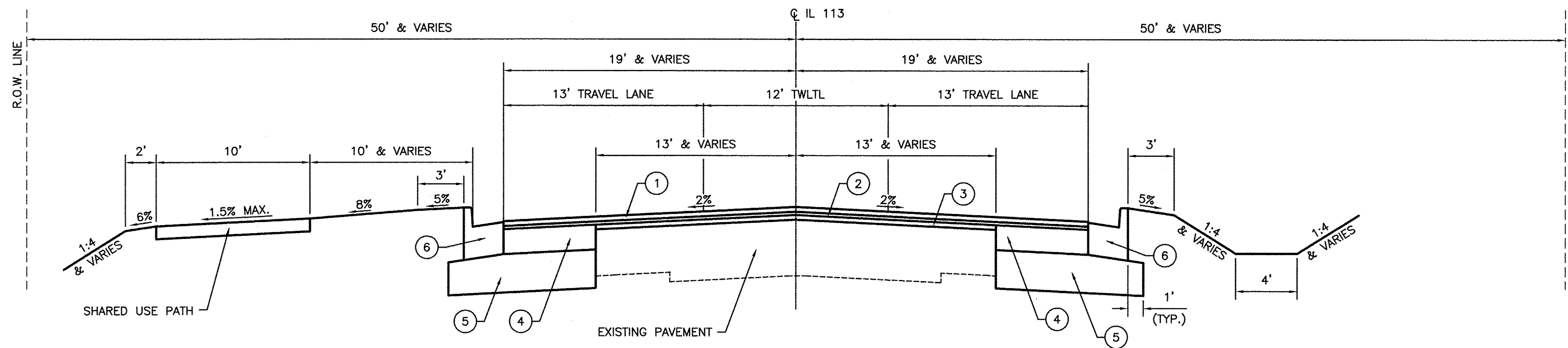
CONTRACT NO. 87606

IL 113

| | | |
|--|--------------|---------------------------|
| STRUCTURAL DESIGN TRAFFIC: | Year | 2022 |
| PV = | 13501 | SU = 850 MU = 333 |
| ROAD/STREET CLASSIFICATION: | Class | MAJOR COLLECTOR |
| PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE: | | |
| P = | 50 | S = 50 M = 50 |
| TRAFFIC FACTOR: | Actual TF = | 1.80 AC Type = 20 |
| | Minimum TF = | 3.4 |
| PG GRADE: | Binder = | PG64-22 Surface = PG64-22 |
| SUBGRADE SUPPORT RATING: | | |
| SSR = | POOR | |



EXISTING TYPICAL SECTION
N.T.S.
IL 113



PROPOSED TYPICAL SECTION
N.T.S.
IL 113

| | HMA BASE COURSE | HMA LEVEL BINDER | HMA SURFACE | INCIDENTAL HMA |
|----------------------------|------------------|------------------|-------------------|--------------------------|
| PG GRADE | PG64-22 | PG64-22 | PG64-22 | PG64-22 |
| DESIGN AIR Voids | 4.0% @ N70 | 4.0% @ N70 | 4.0% @ N70 | 4.0% @ N50 |
| MIXTURE COMPOSITION | IL 19.0 | IL 9.5FG | IL 9.5 | --- |
| FRICTION AGGREGATE | --- | --- | MIXTURE D | MIXTURE C |
| DENSITY TEST METHOD | CORES | GROWTH CURVE | CORES/CORRELATION | SATISFACTION OF ENGINEER |
| MIXTURE WEIGHT | 112#/SQ. YD./IN. | 112#/SQ. YD./IN. | 112#/SQ. YD./IN. | 112#/SQ. YD./IN. |
| QUALITY MANAGEMENT PROGRAM | QC/QA | QC/QA | QC/QA | QC/QA |
| SUBLOT SIZE | N/A | N/A | --- | N/A |
| LOCATION(S) | N/A | N/A | --- | N/A |

* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTON SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.

LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ② LEVELING BINDER (MACHINE METHOD), N70, 1"
- ③ LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH
- ④ HOT-MIX ASPHALT BASE COURSE, 7 3/4"
- ⑤ SUBBASE GRANULAR MATERIAL, TYPE A, 12"
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

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| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

CHAMBLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

TYPICAL SECTIONS

CONSTRUCTION PLANS

| | |
|---------------------------|---------|
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 3 |
| FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606

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| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | |
|----------|---------------------------------------|-------|----------------|---------------------|---------------------|
| | | | | FED@9% LOCAL 20% | FED@9% LOCAL 20% |
| | | | | ROADWAY | BRIDGE |
| | | | | 0004 | 0014 |
| 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | UNIT | 16 | 16 | --- |
| 20200100 | EARTH EXCAVATION | CU YD | 2787 | 2787 | --- |
| 20400800 | FURNISHED EXCAVATION | CU YD | 3781 | 3781 | --- |
| 20700220 | POROUS GRANULAR EMBANKMENT | CU YD | 147 | --- | 147 |
| 20800150 | TRENCH BACKFILL | CU YD | 212 | 212 | --- |
| 25000210 | SEEDING, CLASS 2A | ACRE | 2.30 | 2.30 | --- |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 207 | 207 | --- |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 207 | 207 | --- |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 207 | 207 | --- |
| 25100115 | MULCH, METHOD 2 | ACRE | 2.30 | 2.3 | --- |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 124 | 124 | --- |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 460 | 460 | --- |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 32 | 32 | --- |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 748 | 748 | --- |

* - SPECIALTY ITEM
 Δ - SPECIAL PROVISION

| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

SUMMARY OF QUANTITIES

| | | |
|---------------------------|---------------------------|---------|
| CONSTRUCTION PLANS | CURRENT AS OF: 05/18/2016 | |
| | SCALE: AS NOTED | SHEET 4 |
| | FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606

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| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | |
|------------|--|-------|----------------|--------------------------|-------------------------|
| | | | | FED 0% LOCAL 20% ROADWAY | FED 0% LOCAL 20% BRIDGE |
| | | | | 0004 | 0014 |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 5 | 5 | --- |
| 28100107 | STONE RIPRAP, CLASS A4 | SQ YD | 32 | --- | 32 |
| 28200200 | FILTER FABRIC | SQ YD | 32 | --- | 32 |
| 31100910 | SUBBASE GRANULAR MATERIAL, TYPE A 12" | SQ YD | 4289 | 4289 | --- |
| 35100100 | AGGREGATE BASE COURSE, TYPE A | TON | 780 | 780 | --- |
| 35501315 | HOT-MIX ASPHALT BASE COURSE, 7 3/4" | SQ YD | 2575 | 2575 | --- |
| Δ 40200800 | AGGREGATE SURFACE COURSE, TYPE B | TON | 62 | 62 | --- |
| 40201000 | AGGREGATE FOR TEMPORARY ACCESS | TON | 456 | 456 | --- |
| Δ 40600275 | BITUMINOUS MATERIALS (PRIME COAT) | POUND | 5135 | 5135 | --- |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 6469 | 6469 | --- |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 2 | 2 | --- |
| 40600535 | LEVELING BINDER (HAND METHOD), N70 | TON | 4 | 4 | --- |
| 40600635 | LEVELING BINDER (MACHINE METHOD), N70 | TON | 1336 | 1336 | --- |
| 40600990 | TEMPORARY RAMP | SQ YD | 47 | 47 | --- |
| 40603340 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 | TON | 819 | 819 | --- |

* - SPECIALTY ITEM
 Δ - SPECIAL PROVISION

| | | | | |
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| DATE: 01/15 | | | | |

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

SUMMARY OF QUANTITIES

| | | |
|---------------------------|---------------------------|---------|
| CONSTRUCTION PLANS | CURRENT AS OF: 05/18/2016 | |
| | SCALE: AS NOTED | SHEET 5 |
| | FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606

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| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | |
|------------|--|-------|----------------|---------------------------|--------------------------|
| | | | | FED 50% LOCAL 20% ROADWAY | FED 50% LOCAL 20% BRIDGE |
| | | | | 0004 | 0014 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 256 | 256 | --- |
| 42300400 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH | SQ YD | 1214 | 1214 | --- |
| 42400100 | PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH | SQ FT | 172 | 172 | --- |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 33 | 33 | --- |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 17 | 17 | --- |
| 44000155 | HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" | SQ YD | 1514 | 1514 | --- |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 1486 | 1486 | --- |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 334 | 334 | --- |
| 44000600 | SIDEWALK REMOVAL | SQ FT | 768 | 768 | --- |
| Δ 44004250 | PAVED SHOULDER REMOVAL | SQ YD | 1279 | 1279 | --- |
| Δ 44200094 | PAVEMENT PATCHING, TYPE II, 8 INCH | SQ YD | 38 | 38 | --- |
| Δ 44200099 | PAVEMENT PATCHING, TYPE III, 8 INCH | SQ YD | 16 | 16 | --- |
| Δ 44300200 | STRIP REFLECTIVE CRACK CONTROL TREATMENT | FOOT | 4200 | 4200 | --- |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 887 | 887 | --- |

* - SPECIALTY ITEM
 Δ - SPECIAL PROVISION

| | | | | |
|-----------------|-----------|----|------|-------------|
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| DATE: 01/15 | | | | |

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

SUMMARY OF QUANTITIES

CONSTRUCTION PLANS

| | |
|---------------------------|---------|
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 6 |
| FILE NO.: 66139.01 Y- | OF 71 |

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| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | |
|------------|--|-------|----------------|---------------------------|--------------------------|
| | | | | FED 30% LOCAL 20% ROADWAY | FED 30% LOCAL 20% BRIDGE |
| | | | | 0004 | 0014 |
| 50800105 | REINFORCEMENT BARS | POUND | 17090 | --- | 17090 |
| * 50901720 | BICYCLE RAILING | FOOT | 35 | --- | 35 |
| 51500100 | NAME PLATES | EACH | 1 | --- | 1 |
| 54002020 | EXPANSION BOLTS 3/4 INCH | EACH | 58 | --- | 58 |
| 54003000 | CONCRETE BOX CULVERTS | CU YD | 97 | --- | 97 |
| 54213657 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | EACH | 11 | 11 | --- |
| 54213693 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" | EACH | 1 | 1 | --- |
| Δ 54263630 | CONCRETE END SECTION, STANDARD 542011, 30", 1:6 | EACH | 8 | 8 | --- |
| 542A5485 | PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30" | FOOT | 156 | 156 | --- |
| 550A0050 | STORM SEWERS, CLASS A, TYPE 1 12" | FOOT | 791 | 791 | --- |
| 550A0070 | STORM SEWERS, CLASS A, TYPE 1 15" | FOOT | 432 | 432 | --- |
| 550A0090 | STORM SEWERS, CLASS A, TYPE 1 18" | FOOT | 203 | 203 | --- |
| 550A0190 | STORM SEWERS, CLASS A, TYPE 1 48" | FOOT | 115 | 115 | --- |
| 550A0340 | STORM SEWERS, CLASS A, TYPE 2 12" | FOOT | 86 | 86 | --- |

* - SPECIALTY ITEM
 Δ - SPECIAL PROVISION

| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |



FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

SUMMARY OF QUANTITIES

CONSTRUCTION PLANS

| | |
|---------------------------|---------|
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 7 |
| FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606

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Peru, Missouri, 64601
N:\CAD\3D\PLANS\004-SQO.dwg Last Modified: May, 20, 2016 - 11:43am. Plotted on: May, 20, 2016 - 1:24pm by Jim

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | |
|------------|---|-------|----------------|-------------------|------------------|
| | | | | FED 0% LOCAL 20% | FED 0% LOCAL 20% |
| | | | | ROADWAY | BRIDGE |
| | | | 0004 | 0014 | |
| 550A0380 | STORM SEWERS, CLASS A, TYPE 2 18" | FOOT | 537 | 537 | --- |
| 55100500 | STORM SEWER REMOVAL 12" | FOOT | 136 | 136 | --- |
| Δ 56100600 | WATER MAIN 6" | FOOT | 5 | 5 | --- |
| Δ 56100700 | WATER MAIN 8" | FOOT | 45 | 45 | --- |
| Δ 56109300 | WATER VALVES TO BE MOVED | EACH | 3 | 3 | --- |
| Δ 56400100 | FIRE HYDRANTS TO BE MOVED | EACH | 1 | 1 | --- |
| 59300100 | CONTROLLED LOW-STRENGTH MATERIAL | CU YD | 15 | 15 | --- |
| 60218400 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 14 | 14 | --- |
| 60221100 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 | 1 | --- |
| 60224446 | MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 | 1 | --- |
| 60235700 | INLETS, TYPE A, TYPE 3 FRAME AND GRATE | EACH | 25 | 25 | --- |
| 60240220 | INLETS, TYPE B, TYPE 3 FRAME AND GRATE | EACH | 3 | 3 | --- |
| 60500060 | REMOVING INLETS | EACH | 2 | 2 | --- |
| 60603800 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | FOOT | 74 | 74 | --- |

* - SPECIALTY ITEM
Δ - SPECIAL PROVISION

| LEVEL | BY | DATE | REVISIONS | DESCRIPTION |
|-------|----|------|-----------|-------------|
| | | | | |
| | | | | |
| | | | | |



FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

SUMMARY OF QUANTITIES

| | | |
|--------------------|---------------------------|---------|
| CONSTRUCTION PLANS | CURRENT AS OF: 05/18/2016 | |
| | SCALE: AS NOTED | SHEET 8 |
| | FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606

CHAMLIN & ASSOCIATES, INC. © 2014
 Drawn: Name: G:\Users\jmc\OneDrive\CHAMLIN\Projects\14-00010-00-VR\14-00010-00-VR-1113-EXTENSION-PHASE-1\CAD\3D\PLANS\04-SOQ.dwg, Last Modified: May 20, 2016 - 11:42am, Plotted on: May 20, 2016 - 1:24pm by jmc

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | |
|------------|---|--------|----------------|-------------------|------------------|--|
| | | | | FED 0% LOCAL 20% | FED 0% LOCAL 20% | |
| | | | | ROADWAY | BRIDGE | |
| | | | | 0004 | 0014 | |
| | | | | | | |
| 60605000 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | FOOT | 4324 | 4324 | --- | |
| Δ 63200310 | GUARDRAIL REMOVAL | FOOT | 204 | 204 | --- | |
| Δ 66700205 | PERMANENT SURVEY MARKERS, TYPE I | EACH | 2 | 2 | --- | |
| Δ 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 1700 | 1700 | --- | |
| Δ 66900450 | SPECIAL WASTE PLANS AND REPORTS | L SUM | 1 | 1 | --- | |
| Δ 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 6 | 6 | --- | |
| | | | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | --- | |
| | | | | | | |
| 70100450 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 | L SUM | 1 | 1 | --- | |
| | | | | | | |
| 70100460 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701306 | L SUM | 1 | 1 | --- | |
| | | | | | | |
| 70100500 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701326 | L SUM | 1 | 1 | --- | |
| | | | | | | |
| 70103815 | TRAFFIC CONTROL SURVEILLANCE | CAL DA | 10 | 10 | --- | |
| | | | | | | |
| 70106800 | CHANGEABLE MESSAGE SIGN | CAL MO | 1 | 1 | --- | |
| | | | | | | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 1612 | 1612 | --- | |
| | | | | | | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 149 | 149 | --- | |
| | | | | | | |

* - SPECIALTY ITEM
 Δ - SPECIAL PROVISION

| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |


 PERU MORRIS
 ILLINOIS
 ASSOCIATES, INC.

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

SUMMARY OF QUANTITIES

CONSTRUCTION PLANS

| | |
|---------------------------|---------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 9 |
| FILE NO.: 66139.01 Y- | OF 71 |

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 Drawing Name: CA\Users\jmc\Projects\14-00010-00-VR\14-00010-00-VR-11-13-EXTENSION-PHASE-1\CAD\3D\PLANS\04-S00.dwg, Last Modified: May 20, 2016 - 11:43am Plotted on: May 20, 2016 - 1:25pm by jmc

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | |
|----------|--|-------|----------------|-------------------|-------------------|
| | | | | FED 90% LOCAL 10% | FED 90% LOCAL 10% |
| | | | | ROADWAY | BRIDGE |
| | | | | 0004 | 0014 |
| 70300210 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS | SQ FT | 281 | 281 | --- |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 4869 | 4869 | --- |
| 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 1080 | 1080 | --- |
| 70300250 | TEMPORARY PAVEMENT MARKING - LINE 8" | FOOT | 60 | 60 | --- |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 40 | 40 | --- |
| 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 44 | 44 | --- |
| 72400100 | REMOVE SIGN PANEL ASSEMBLY - TYPE A | EACH | 12 | 12 | --- |
| 72400500 | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | EACH | 3 | 3 | --- |
| 72400600 | RELOCATE SIGN PANEL ASSEMBLY - TYPE B | EACH | 1 | 1 | --- |
| 73000100 | WOOD SIGN SUPPORT | FOOT | 136 | 136 | --- |
| 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 281 | 281 | --- |
| 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 4869 | 4869 | --- |
| 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 1080 | 1080 | --- |
| 78000500 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" | FOOT | 60 | 60 | --- |

* - SPECIALTY ITEM
 Δ - SPECIAL PROVISION

| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |



FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

SUMMARY OF QUANTITIES

CONSTRUCTION PLANS

| | | |
|---------------------------|----------|--------------------|
| CURRENT AS OF: 05/18/2016 | | CONTRACT NO. 87606 |
| SCALE: AS NOTED | SHEET 10 | |
| FILE NO.: 66139.01 Y- | OF 71 | |

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| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | |
|--------------|---|-------|----------------|-------------------|-------------------|
| | | | | FED 80% LOCAL 20% | FED 80% LOCAL 20% |
| | | | | ROADWAY | BRIDGE |
| | | | | 0004 | 0014 |
| * 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 40 | 40 | --- |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 116 | 116 | --- |
| X0327980 | PAVEMENT MARKING REMOVAL - WATER BLASTING | SQ FT | 2524 | 2524 | --- |
| * 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 60 | 60 | --- |
| # Δ Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 | --- |
| # Δ Z0032900 | LAND SECTION MARKERS | EACH | 8 | 8 | --- |
| # Δ Z0056612 | STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH | FOOT | 121 | 121 | --- |
| # Δ Z0056620 | STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH | FOOT | 271 | 271 | --- |
| # Δ Z0076600 | TRAINEES | HOUR | 1000 | 1000 | --- |
| # Δ Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | | | | |

* - SPECIALTY ITEM
 Δ - SPECIAL PROVISION
 # - 0042

| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
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| DATE: 01/15 | | | | |

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

SUMMARY OF QUANTITIES

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 11 |
| FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606

| TREE REMOVAL SCHEDULE | |
|-----------------------|--|
| LOCATION | TREE REMOVAL (OVER 15 UNITS DIAMETER) UNIT |
| MAINLINE | |
| 57.8' RT, STA 186+63 | 16 |
| TOTAL | 16 |

| EARTHWORK SCHEDULE | | | | |
|--------------------------|--------------------------|---|--------------------|---|
| LOCATION | EARTH EXCAVATION CU. YD. | EARTH EXCAVATION ADJUSTED FOR SHRINKAGE CU. YD. | EMBANKMENT CU. YD. | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU. YD. |
| MAINLINE | | | | |
| STA 171+50 TO STA 195+00 | 2787.4 | 2090.6 | 5871.8 | -3781.3 |
| | | 0.0 | | 0.0 |
| | | 0.0 | | 0.0 |
| | | 0.0 | | 0.0 |
| TOTAL | 2787 | 2091 | 5872 | -3781 |
| | | | | FURNISHED EXCAVATION |

| SEEDING SCHEDULE | | | | | | | |
|---------------------------------|------------------------------------|--------------------------------------|-------------------------------------|------------------------|----------------------|-------------------------------|---|
| LOCATION | NITROGEN FERTILIZER NUTRIENT POUND | PHOSPHORUS FERTILIZER NUTRIENT POUND | POTASSIUM FERTILIZER NUTRIENT POUND | SEEDING, CLASS 2A ACRE | MULCH, METHOD 2 ACRE | EROSION CONTROL BLANKET SQ YD | TEMPORARY EROSION CONTROL SEEDING POUND |
| MAINLINE | | | | | | | |
| LT STA 171+90 TO STA 195+49.9 | 80 | 80 | 80 | 0.89 | 0.89 | --- | 177.5 |
| RT STA 172+34.1 TO STA 193+57.1 | 127 | 127 | 127 | 1.41 | 1.41 | 124.5 | 282.2 |
| | --- | --- | --- | --- | --- | --- | --- |
| TOTAL | 207 | 207 | 207 | 2.30 | 2.30 | 124 | 460 |

| TEMPORARY EROSION CONTROL | | | |
|-------------------------------|-----------------------------|--------------------------------|--------------------------------|
| LOCATION | TEMPORARY DITCH CHECKS FOOT | PERIMETER EROSION BARRIER FOOT | INLET AND PIPE PROTECTION EACH |
| RT STA 174+50 | 8 | --- | --- |
| RT STA 177+00 | 8 | --- | --- |
| RT STA 178+11 | --- | --- | 2 |
| RT STA 179+00 TO STA 186+40.2 | --- | 748 | --- |
| RT STA 181+50 | 8 | --- | --- |
| RT STA 184+00 | 8 | --- | --- |
| RT STA 186+41 | --- | --- | 2 |
| RT STA 189+50 | --- | --- | 1 |
| TOTAL | 32 | 748 | 5 |

| RESURFACING SCHEDULE | | | | | |
|--------------------------|--|--|---------------------------------------|--|--------------------------------------|
| LOCATION | BITUMINOUS MATERIALS (TACK COAT) POUND | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS TON | LEVELING BINDER (HAND METHOD),N70 TON | LEVELING BINDER (MACHINE METHOD),N70 TON | HMA SURFACE COURSE, MIX "D", N70 TON |
| MAINLINE | | | | | |
| STA 171+50 TO STA 194+50 | 6469 | 2 | --- | 1336 | 819 |
| STA 175+00 TO STA 192+50 | --- | --- | 4 | --- | --- |
| | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- |
| | --- | --- | --- | --- | --- |
| TOTAL | 6469 | 2 | 4 | 1336 | 819 |

| PAVEMENT PATCHING SCHEDULE | | |
|-----------------------------|--|---|
| LOCATION | PAVEMENT PATCHING, TYPE II, 8 INCH SQ YD | PAVEMENT PATCHING, TYPE III, 8 INCH SQ YD |
| MAINLINE | | |
| LT STA 191+36 TO STA 191+44 | 11.6 | --- |
| RT STA 191+36 TO STA 191+44 | 11.6 | --- |
| LT STA 192+81 TO STA 192+89 | 14.8 | --- |
| RT STA 192+81 TO STA 192+89 | --- | 15.6 |
| TOTAL | 38 | 16 |

| PAVEMENT WIDENING SCHEDULE | | | | |
|-----------------------------------|--------------------------------|--------------------------|--|---|
| LOCATION | PAVED SHOULDER REMOVAL SQ. YD. | PAVEMENT REMOVAL SQ. YD. | SUB-BASE GRAN. MATL., TYPE A 12" SQ. YD. | HOT-MIX ASPHALT BASE COURSE, 7 3/4" SQ. YD. |
| MAINLINE | | | | |
| LT STA 172+05.9 TO STA 172+51.8 | --- | 16.6 | --- | --- |
| LT STA 172+30.53 TO STA 193+85.42 | --- | --- | 2174.2 | 1305.6 |
| LT STA 172+51.8 TO STA 193+00 | 748.1 | --- | --- | --- |
| RT STA 172+57.40 TO STA 193+57.07 | --- | --- | 2114.3 | 1269.1 |
| RT STA 172+58.76 TO STA 191+34.85 | 531.3 | --- | --- | --- |
| TOTAL | 1279 | 17 | 4289 | 2575 |

| TEMPORARY RAMP | |
|----------------|------------------------|
| LOCATION | TEMPORARY RAMP SQ. YD. |
| MAINLINE | |
| STA 171+50 | 23.9 |
| STA 194+50 | 22.8 |
| TOTAL | 47 |

| HMA SURFACE REMOVAL | |
|--------------------------|---|
| LOCATION | HOT-MIX ASPHALT REMOVAL, 1 1/2" SQ. YD. |
| MAINLINE | |
| STA 171+50 TO STA 174+40 | 1080.0 |
| STA 193+50 TO STA 194+50 | 433.6 |
| TOTAL | 1514 |

| SIDEWALK AND BIKE PATH SCHEDULE | | | | | | |
|---------------------------------|------------------------|---|---------------------------|-----------------------------------|---|--|
| LOCATION | SIDEWALK REMOVAL SQ FT | PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH SQ FT | DETECTABLE WARNINGS SQ FT | AGGREGATE BASE COURSE, TYPE A TON | BITUMINOUS MATERIALS (PRIME COAT) POUND | INCIDENTAL HOT-MIX ASPHALT SURFACING TON |
| MAINLINE | | | | | | |
| LT STA 171+90 TO STA 172+61.29 | 768 | --- | --- | --- | --- | --- |
| LT STA 171+90 TO STA 195+25 | --- | --- | --- | 780 | 5135 | 256 |
| LT STA 195+25 TO STA 195+48.2 | --- | 172 | 33 | --- | --- | --- |
| TOTAL | 768 | 172 | 33 | 780 | 5135 | 256 |

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| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |



PERU MORRIS
ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

SCHEDULE OF QUANTITIES

CONSTRUCTION
PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 12 |
| FILE NO.: 66139.01 Y- | OF 71 |

| WATER MAIN SCHEDULE | | | | |
|-----------------------------|---------------|---------------|--------------------------|---------------------------|
| LOCATION | WATER MAIN 6" | WATER MAIN 8" | WATER VALVES TO BE MOVED | FIRE HYDRANTS TO BE MOVED |
| | FOOT | FOOT | EACH | EACH |
| MAINLINE | | | | |
| RT STA 187+06 TO STA 187+46 | --- | 45 | --- | --- |
| 60' RT STA 187+12.5 | --- | --- | 2 | --- |
| 56' RT STA 187+43.3 | 5 | --- | 1 | 1 |
| TOTAL | 5 | 45 | 3 | 1 |

| CONCRETE CURB AND GUTTER SCHEDULE | | | |
|-----------------------------------|-------------------------------------|---|---|
| LOCATION | COMBINATION CURB AND GUTTER REMOVAL | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 |
| | FOOT | FOOT | FOOT |
| MAINLINE | | | |
| LT STA 171+05.9 TO STA 172+51.8 | 46 | --- | --- |
| LT STA 172+06.1 TO STA 193+85.4 | --- | --- | 2179 |
| RT STA 172+34.1 TO STA 193+57.1 | --- | --- | 2123 |
| RT STA 172+34.1 TO STA 172+76.6 | 44 | --- | --- |
| RT STA 191+34.8 TO STA 193+57.1 | 222 | --- | --- |
| RT STA 191+76.86 | --- | 37 | --- |
| RT STA 192+84.03 | --- | 37 | --- |
| LT STA 195+32.2 TO STA 195+51.3 | 22 | --- | 22 |
| TOTAL | 334 | 74 | 4324 |

| PAVEMENT MARKING SCHEDULE | | | | | | | | | | | | | | | |
|---------------------------|----------------------------|--------------|--------------|--------------|---------------|--------------------------------|--------------|--------------|--------------|---------------|------------------------------------|-----------------------------|---|-------------------------------------|--------------------------|
| LOCATION | TEMPORARY PAVEMENT MARKING | | | | | THERMOPLASTIC PAVEMENT MARKING | | | | | RAISED REFLECTIVE PAVEMENT MARKERS | SHORT TERM PAVEMENT MARKING | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | SHORT TERM PAVEMENT MARKING REMOVAL | PAVEMENT MARKING REMOVAL |
| | LETTERS & SYMBOLS SQ. FT. | LINE 4" FOOT | LINE 6" FOOT | LINE 8" FOOT | LINE 12" FOOT | LETTERS & SYMBOLS SQ. FT. | LINE 4" FOOT | LINE 6" FOOT | LINE 8" FOOT | LINE 12" FOOT | EACH | FOOT | EACH | SQ. FT. | SQ. FT. |
| MAINLINE | | | | | | | | | | | | | | | |
| STA 171+50 TO STA 194+50 | 280.8 | 4869 | 1080 | 60 | 40 | 280.8 | 4869 | 1080 | 60 | 40 | 116 | 1612 | 60 | 149 | 2524 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL | 281 | 4869 | 1080 | 60 | 40 | 281 | 4869 | 1080 | 60 | 40 | 116 | 1612 | 60 | 149 | 2524 |

| DRIVEWAY SCHEDULE | | | | | |
|-------------------|--------------------|---------------------------|--------------------------|--------------------------------|----------------------------------|
| LOCATION | NEW DRIVEWAY WIDTH | DRIVEWAY PAVEMENT REMOVAL | PCC DRIVEWAY PAVEMENT 8" | AGGREGATE FOR TEMPORARY ACCESS | AGGREGATE SURFACE COURSE, TYPE B |
| | FOOT | SQ YD | SQ YD | TON | TON |
| MAINLINE | | | | | |
| LT STA 174+52.09 | 26 | 92.1 | 116.1 | 31.5 | --- |
| LT STA 177+21.86 | 39 | 199.3 | 157.2 | 68.1 | --- |
| LT STA 178+40.52 | 27 | --- | 113.0 | --- | --- |
| RT STA 178+48.10 | 25 | 190.8 | 187.2 | 65.2 | --- |
| LT STA 182+77.03 | 16 | 69.2 | 72.7 | 23.6 | --- |
| LT STA 182+96.38 | 14 | 69.2 | 66.3 | 23.6 | --- |
| RT STA 186+85.57 | 24 | 151.6 | --- | --- | 61.8 |
| LT STA 187+18.34 | --- | --- | --- | --- | --- |
| LT STA 189+19.29 | 32 | 163.3 | 135.9 | 55.8 | --- |
| RT STA 191+76.86 | 35 | 73.8 | 48.8 | 25.2 | --- |
| LT STA 192+37.28 | 32.5 | 283.7 | 155.8 | 96.9 | --- |
| RT STA 192+84.03 | 38.5 | 67.3 | 53.4 | 23.0 | --- |
| --- | --- | --- | --- | --- | --- |
| TOTAL | INFO ONLY | 1486 | 1214 | 456 | 62 |

| SIGN SCHEDULE | | | | | |
|-------------------------|-------------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------|
| LOCATION | WOOD SIGN SUPPORT | REMOVE SIGN PANEL ASSEMBLY - TYPE A | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | RELOCATE SIGN PANEL ASSEMBLY - TYPE B | SIGN PANEL, TYPE 1 |
| | FOOT | EACH | EACH | EACH | SQ. FT. |
| MAINLINE | | | | | |
| LT STA 172+63 | --- | 1 | --- | --- | --- |
| RT STA 175+51 | 14.5 | 1 | --- | --- | 7.5 |
| LT STA 175+55 | 14.5 | 1 | --- | --- | 7.5 |
| RT STA 178+69 | --- | 1 | --- | --- | --- |
| RT STA 179+38 | --- | 1 | --- | --- | --- |
| RT STA 183+53 (2 SIGNS) | 15.5 | 2 | --- | --- | 12.1 |
| LT STA 190+14 (3 SIGNS) | 18 | --- | 3 | --- | --- |
| LT STA 191+43 | --- | 1 | --- | --- | --- |
| LT STA 193+50 | 14.5 | 2 | --- | --- | 7 |
| LT STA 194+63 | 14.5 | 1 | --- | --- | 7.5 |
| LT STA 195+20 | 13 | 1 | --- | --- | 2.25 |
| LT STA 195+35 | 31 | --- | --- | 1 | --- |
| TOTAL | 136 | 12 | 3 | 1 | 44 |

| STRIP REFLECTIVE CRACK CONTROL SCHEDULE | |
|---|-------------------------------------|
| LOCATION | STRIP REFLECTIVE CRACK CONTROL FOOT |
| MAINLINE | |
| STA 172+34 TO STA 193+34 | 4200 |
| --- | --- |
| TOTAL | 4200 |

| GUARDRAIL REMOVAL SCHEDULE | |
|-----------------------------------|------------------------|
| LOCATION | GUARDRAIL REMOVAL FOOT |
| MAINLINE | |
| LT STA 192+88.85 TO STA 194+91.38 | 204 |
| --- | --- |
| TOTAL | 204 |

| STORM SEWER REMOVAL SCHEDULE | | |
|------------------------------|-------------------------|-----------------|
| LOCATION | STORM SEWER REMOVAL 12" | REMOVING INLETS |
| | FOOT | EACH |
| MAINLINE | | |
| LT STA 171+95 TO STA 173+32 | 136 | --- |
| RT STA 191+34 | --- | 1 |
| RT STA 192+29 | --- | 1 |
| --- | --- | --- |
| TOTAL | 136 | 2 |

| PIPE CULVERT REMOVAL SCHEDULE | |
|-------------------------------|---------------------------|
| LOCATION | PIPE CULVERT REMOVAL FOOT |
| MAINLINE | |
| LT STA 174+52 | 52 |
| LT STA 177+22 | 59 |
| LT STA 178+40 | 36 |
| RT STA 178+50 | 148 |
| LT STA 182+86 | 51 |
| RT STA 184+80 | 82 |
| RT STA 186+50 | 200 |
| LT STA 187+18 | 120 |
| LT STA 189+19 | 44 |
| LT STA 192+37 | 95 |
| --- | --- |
| TOTAL | 887 |

| SURVEY MARKER SCHEDULE | | |
|------------------------|--------------------------|----------------------|
| LOCATION | PERMANENT SURVEY MARKERS | LAND SECTION MARKERS |
| | EACH | EACH |
| RT STA 186+75.95 | 1 | 4 |
| RT STA 187+32.56 | 1 | 4 |
| TOTAL | 2 | 8 |

| CULVERT SCHEDULE | | | |
|--|--|---|-----------------|
| LOCATION | PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30" | CONCRETE END SECTION, STANDARD 542011, 30", 1:6 | TRENCH BACKFILL |
| | FOOT | EACH | CU YD |
| MAINLINE | | | |
| 48.17' RT STA 178+10.85 TO STA 178+86.19 | 33 | 2 | 9 |
| 42.25' RT STA 178+10.92 TO STA 178+86.26 | 33 | 2 | 9 |
| 52.67' RT STA 186+41.04 TO STA 187+28.38 | 45 | 2 | --- |
| 46.75' RT STA 186+41.15 TO STA 187+28.45 | 45 | 2 | --- |
| TOTAL | 156 | 8 | 18 |

CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Name: G:\Users\jmorris\OneDrive\Documents\CHAMLIN\PHASE-1\11-3-EXTENSION-FAU-383\PLANS\11-3-EXTENSION-FAU-383-SPRINT.dwg
 Date: May 23, 2016 2:53pm
 Plotted on: May 23, 2016 2:53pm
 Plotted by: jmorris

| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS
 ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

SCHEDULE OF QUANTITIES

| | | |
|---------------------------|---------------------------|----------|
| CONSTRUCTION PLANS | CURRENT AS OF: 05/18/2016 | |
| | SCALE: AS NOTED | SHEET 13 |
| | FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606

STORM SEWER STRUCTURE SCHEDULE

| STRUCTURE NUMBER | STATION | OFFSET | RIM ELEV. | FLOW LINE ELEVATION | | | | EACH | EACH | EACH | EACH | EACH | EACH | EACH | REMARKS |
|------------------|-----------|----------|-----------|---------------------|--------|--------|--------|------|------|------|------|------|------|------|------------------|
| | | | | NORTH | SOUTH | EAST | WEST | | | | | | | | |
| 1 | 193+59.27 | 39.0' LT | -- | -- | -- | -- | 542.50 | - | - | - | - | - | - | - | BOX CULVERT |
| 2 | 192+85 | 26' LT | 552.96 | -- | 548.06 | 546.41 | 546.41 | - | - | 1 | - | - | - | - | |
| 2A | 192+85 | 19' LT | 552.71 | 548.16 | 548.16 | -- | -- | - | - | - | - | - | - | 1 | |
| 2B | 192+85 | 19' RT | 552.71 | 548.54 | -- | -- | -- | - | - | - | - | - | 1 | - | |
| 3 | 191+40 | 26' LT | 553.37 | -- | 548.47 | 547.14 | 547.14 | - | - | 1 | - | - | - | - | |
| 3A | 191+40 | 19' LT | 553.12 | 548.57 | 548.57 | -- | -- | - | - | - | - | - | - | 1 | |
| 3B | 191+40 | 19' RT | 553.12 | 548.95 | -- | -- | -- | - | - | - | - | - | 1 | - | |
| 4 | 188+52.31 | 26' LT | 553.43 | -- | 549.58 | 548.58 | 548.58 | - | - | 1 | - | - | - | - | |
| 4A | 188+52.31 | 19' LT | 553.18 | 549.68 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 5 | 188+10 | 26' LT | 553.49 | -- | 549.64 | 548.79 | 548.79 | - | - | 1 | - | - | - | - | |
| 5A | 188+10 | 19' LT | 553.24 | 549.74 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 6 | 187+50 | 26' LT | 553.69 | -- | 549.84 | 549.09 | 549.09 | - | - | 1 | - | - | - | - | |
| 6A | 187+50 | 19' LT | 553.44 | 549.94 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 7 | 184+75 | 26' LT | 553.82 | -- | 549.97 | 549.48 | 549.48 | - | - | 1 | - | - | - | - | |
| 7A | 184+75 | 19' LT | 553.57 | 550.07 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 8 | 183+50 | 26' LT | 553.52 | -- | 549.67 | 549.67 | 549.67 | - | - | 1 | - | - | - | - | |
| 8A | 183+50 | 19' LT | 553.27 | 549.77 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 9 | 183+20 | 26' LT | 553.55 | -- | 549.70 | 549.69 | 549.69 | - | - | 1 | - | - | - | - | |
| 9A | 183+20 | 19' LT | 553.30 | 549.80 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 10 | 181+95 | 26' LT | 553.92 | -- | 550.07 | 550.04 | 550.04 | - | - | 1 | - | - | - | - | |
| 10A | 181+95 | 19' LT | 553.67 | 550.17 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 11 | 180+55 | 26' LT | 554.34 | -- | 550.49 | 550.43 | 550.43 | - | - | 1 | - | - | - | - | |
| 11A | 180+55 | 19' LT | 554.09 | 550.59 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 12 | 179+30 | 26' LT | 554.73 | -- | 550.98 | 550.78 | 550.78 | - | - | 1 | - | - | - | - | |
| 12A | 179+30 | 19' LT | 554.58 | 551.08 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 13 | 177+51 | 26' LT | 555.69 | -- | 552.09 | 551.28 | 551.28 | - | - | 1 | - | - | - | - | |
| 13A | 177+51 | 19' LT | 555.44 | 552.19 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 14 | 175+90 | 26' LT | 556.27 | -- | -- | 551.73 | 551.73 | - | - | 1 | - | - | - | - | |
| 15 | 174+00 | 26' LT | 556.23 | -- | 552.62 | 552.27 | 552.27 | - | - | 1 | - | - | - | - | |
| 15A | 174+00 | 19' LT | 555.97 | 552.72 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 16 | 173+64.33 | 26' LT | 556.15 | -- | 552.55 | 552.37 | 552.37 | - | - | - | - | - | - | 1 | |
| 16A | 173+55.56 | 19' LT | 555.90 | 552.65 | -- | -- | -- | - | - | - | - | - | - | 1 | |
| 17 | 171+95.48 | 33.6' LT | 556.45 | -- | 553.90 | 553.90 | 553.90 | - | - | - | - | - | - | - | EXISTING MANHOLE |
| SUBTOTAL | | | | | | | | 0 | 0 | 14 | 1 | 0 | 14 | 2 | |

STORM SEWER STRUCTURE SCHEDULE

| STRUCTURE NUMBER | STATION | OFFSET | RIM ELEV. | FLOW LINE ELEVATION | | | | EACH | EACH | EACH | EACH | EACH | EACH | EACH | REMARKS |
|------------------------------|-----------|-----------|-----------|---------------------|--------|--------|--------|------|------|------|------|------|------|------|-------------------------|
| | | | | NORTH | SOUTH | EAST | WEST | | | | | | | | |
| SUBTOTAL FROM PREVIOUS SHEET | | | | | | | | 0 | 0 | 14 | 1 | 0 | 14 | 2 | |
| 18 | 190+75.4 | 42.4' RT | -- | -- | -- | 547.42 | 547.42 | - | - | - | - | - | 1 | - | AT EXISTING END SECTION |
| 19 | 189+50 | 48.5' RT | -- | -- | -- | 548.31 | 548.31 | - | 1 | - | - | - | - | - | |
| 20 | 188+52.31 | 19' RT | 553.18 | -- | 550.18 | -- | -- | - | - | - | - | - | - | 1 | |
| 20A | 188+52.31 | 44.31' RT | -- | 548.60 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 21 | 188+10 | 19' RT | 553.24 | -- | 550.24 | -- | -- | - | - | - | - | - | - | 1 | |
| 21A | 188+10 | 44.04' RT | -- | 548.73 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 22 | 187+50 | 19' RT | 553.44 | -- | 550.44 | -- | -- | - | - | - | - | - | - | 1 | |
| 22A | 187+50 | 45.20' RT | -- | 548.91 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 23 | 184+75 | 19' RT | 553.58 | -- | 550.58 | -- | -- | - | - | - | - | - | - | 1 | |
| 23A | 184+75 | 42.92' RT | -- | 549.74 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 24 | 183+50 | 19' RT | 553.27 | -- | 550.27 | -- | -- | - | - | - | - | - | - | 1 | |
| 24A | 183+50 | 38.66' RT | -- | 550.11 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 25 | 183+20 | 19' RT | 553.30 | -- | 550.30 | -- | -- | - | - | - | - | - | - | 1 | |
| 25A | 183+20 | 38.41' RT | -- | 550.20 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 26 | 181+95 | 19' RT | 553.67 | -- | 550.67 | -- | -- | - | - | - | - | - | - | 1 | |
| 26A | 181+95 | 37.96' RT | -- | 550.58 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 27 | 180+55 | 19' RT | 554.09 | -- | 551.59 | -- | -- | - | - | - | - | - | - | 1 | |
| 27A | 180+55 | 39.45' RT | -- | 551.00 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 28 | 179+30 | 19' RT | 554.58 | -- | 552.08 | -- | -- | - | - | - | - | - | - | 1 | |
| 28A | 179+30 | 39.94' RT | -- | 551.37 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 29 | 177+51 | 19' RT | 555.44 | -- | 552.94 | -- | -- | - | - | - | - | - | - | 1 | |
| 29A | 177+51 | 41.10' RT | -- | 551.90 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| 30 | 173+55.56 | 19' RT | 555.90 | -- | -- | 553.40 | -- | - | - | - | - | - | - | 1 | |
| 30A | 174+00 | 19' RT | 555.97 | -- | 552.97 | -- | 552.97 | - | - | - | - | - | - | 1 | |
| 30B | 174+25 | 38.66' RT | -- | 552.89 | -- | -- | -- | 1 | - | - | - | - | - | - | |
| TOTAL | | | | | | | | 11 | 1 | 14 | 1 | 1 | 25 | 3 | |

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| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

SCHEDULE OF QUANTITIES

CONSTRUCTION PLANS

CURRENT AS OF: 05/18/2016
SCALE: AS NOTED
FILE NO.: 66139.01 Y--

SHEET 14 OF 71

CONTRACT NO. 87606

| STORM SEWER PIPE SCHEDULE | | | | | | | | | | | | | | |
|---------------------------|------|-----|--------|---------|--------------------------------------|------------|------------|----------|-------------------------------|------------|---------------------------------------|------------|---|--------------------------|
| PIPE NUMBER | FROM | TO | LENGTH | % GRADE | STORM SEWERS, CLASS A, TYPE 1 12" | | | | STORM SEWERS, CLASS A, TYPE 2 | | STORM SEWERS (WATERMAIN REQUIREMENTS) | | CONTROLLED LOW-STRENGTH MATERIAL CU YD | TRENCH BACKFILL CU YD |
| | | | | | 12" | 15" | 18" | 48" | 12" | 18" | 15 INCH | 18 INCH | | |
| 1 | 1 | 2 | 75.4 | 5.19 | -- | -- | -- | -- | -- | 73 | -- | -- | -- | |
| 2 | 2 | 2A | 5.4 | 1.85 | -- | -- | -- | -- | 3 | -- | -- | -- | -- | |
| 3 | 2A | 2B | 41.2 | 0.92 | -- | -- | -- | -- | 40 | -- | -- | 7.4 | -- | |
| 4 | 2 | 3 | 145.0 | 0.50 | -- | -- | -- | -- | -- | 141 | -- | -- | 54.6 | |
| 5 | 3 | 3A | 5.4 | 1.85 | -- | -- | -- | -- | 3 | -- | -- | -- | -- | |
| 6 | 3A | 3B | 41.2 | 0.92 | -- | -- | -- | -- | 40 | -- | -- | 7.4 | -- | |
| 7 | 3 | 4 | 287.7 | 0.50 | -- | -- | -- | -- | -- | 284 | -- | -- | 42.4 | |
| 8 | 4 | 4A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 9 | 4 | 5 | 42.3 | 0.50 | -- | -- | -- | -- | -- | 39 | -- | -- | -- | |
| 10 | 5 | 5A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 11 | 5 | 6 | 60.0 | 0.50 | -- | -- | 56 | -- | -- | -- | -- | -- | -- | |
| 12 | 6 | 6A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 13 | 6 | 7 | 275.0 | 0.14 | -- | -- | -- | -- | -- | -- | 271 | -- | 17.6 | |
| 14 | 7 | 7A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 15 | 7 | 8 | 125.0 | 0.14 | -- | -- | 121 | -- | -- | -- | -- | -- | -- | |
| 16 | 8 | 8A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 17 | 8 | 9 | 30.0 | 0.14 | -- | -- | 26 | -- | -- | -- | -- | -- | -- | |
| 18 | 9 | 9A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 19 | 9 | 10 | 125.0 | 0.28 | -- | 121 | -- | -- | -- | -- | -- | -- | 16.8 | |
| 20 | 10 | 10A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 21 | 10 | 11 | 140.0 | 0.28 | -- | 136 | -- | -- | -- | -- | -- | -- | -- | |
| 22 | 11 | 11A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 23 | 11 | 12 | 125.0 | 0.28 | -- | -- | -- | -- | -- | 121 | -- | -- | -- | |
| 24 | 12 | 12A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 25 | 12 | 13 | 179.0 | 0.28 | -- | 175 | -- | -- | -- | -- | -- | -- | -- | |
| 26 | 13 | 13A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 27 | 13 | 14 | 161.0 | 0.28 | 157 | -- | -- | -- | -- | -- | -- | -- | 22.1 | |
| 28 | 14 | 15 | 190.0 | 0.28 | 186 | -- | -- | -- | -- | -- | -- | -- | 16.7 | |
| 29 | 15 | 15A | 5.4 | 1.85 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 30 | 15 | 16 | 35.7 | 0.28 | 31 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 31 | 16 | 16A | 10.3 | 0.97 | 7 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 32 | 16 | 17 | 169.0 | 0.90 | 165 | -- | -- | -- | -- | -- | -- | -- | 23.2 | |
| SUBTOTAL | | | | | 579 | 432 | 203 | 0 | 86 | 537 | 121 | 271 | 14.8 | 193.4 |

| STORM SEWER PIPE SCHEDULE | | | | | | | | | | | | | | |
|----------------------------------|------|-----|--------|---------|--------------------------------------|------------|------------|------------|-------------------------------|------------|---------------------------------------|------------|---|--------------------------|
| PIPE NUMBER | FROM | TO | LENGTH | % GRADE | STORM SEWERS, CLASS A, TYPE 1 12" | | | | STORM SEWERS, CLASS A, TYPE 2 | | STORM SEWERS (WATERMAIN REQUIREMENTS) | | CONTROLLED LOW-STRENGTH MATERIAL CU YD | TRENCH BACKFILL CU YD |
| | | | | | 12" | 15" | 18" | 48" | 12" | 18" | 15 INCH | 18 INCH | | |
| SUBTOTAL FROM OTHER TABLE | | | | | 579 | 432 | 203 | 0 | 86 | 537 | 121 | 271 | 14.8 | 193.4 |
| 33 | 18 | 19 | 125.4 | 0.71 | -- | -- | -- | 115 | -- | -- | -- | -- | -- | |
| 34 | 20 | 20A | 23.7 | 6.67 | 18 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 35 | 21 | 21A | 23.4 | 6.45 | 17 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 36 | 22 | 22A | 24.6 | 6.22 | 18 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 37 | 23 | 23A | 22.3 | 3.77 | 16 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 38 | 24 | 24A | 18.1 | 0.88 | 12 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 39 | 25 | 25A | 17.8 | 0.56 | 12 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 40 | 26 | 26A | 17.4 | 0.52 | 11 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 41 | 27 | 27A | 18.8 | 3.14 | 13 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 42 | 28 | 28A | 19.3 | 3.68 | 13 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 43 | 29 | 29A | 20.5 | 4.88 | 14 | -- | -- | -- | -- | -- | -- | -- | -- | |
| 44 | 30 | 30A | 44.4 | 0.97 | 43 | -- | -- | -- | -- | -- | -- | -- | 1.0 | |
| 45 | 30A | 30B | 30.6 | 0.26 | 25 | -- | -- | -- | -- | -- | -- | -- | -- | |
| TOTAL | | | | | 791 | 432 | 203 | 115 | 86 | 537 | 121 | 271 | 14.8 | 194.4 |

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| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

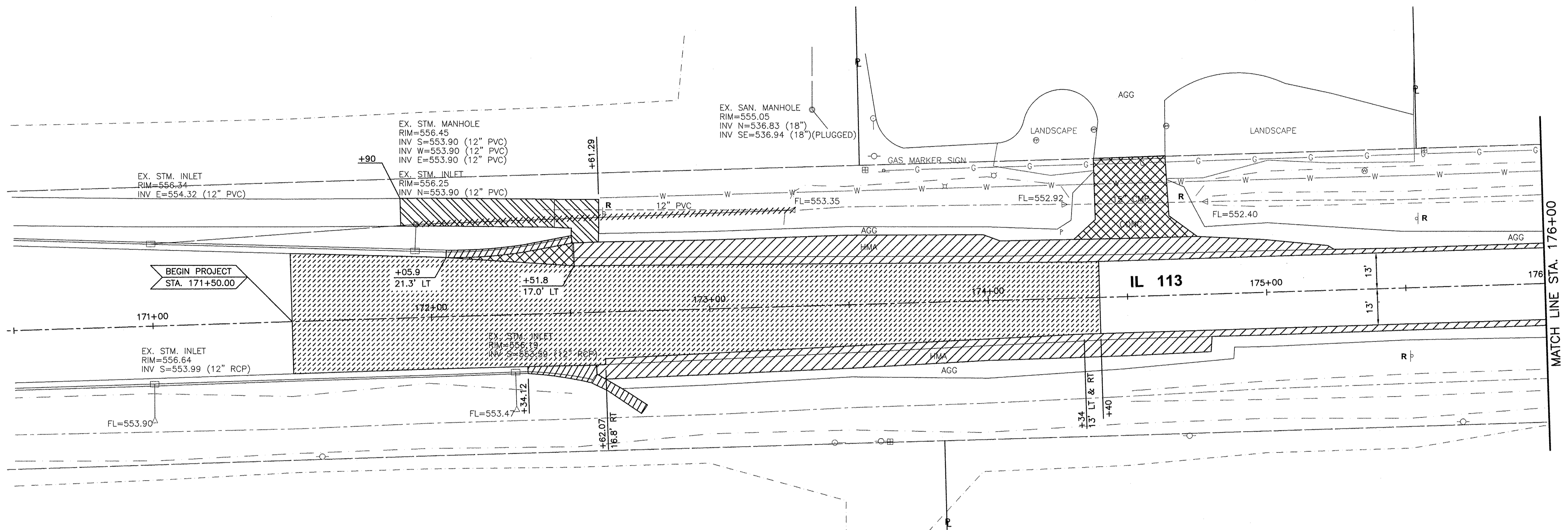
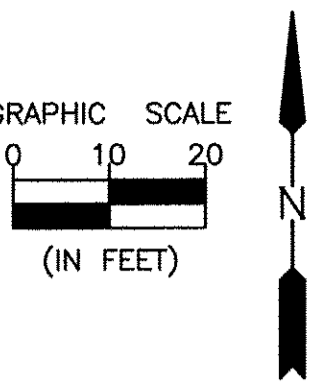
FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

SCHEDULE OF QUANTITIES

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 15 |
| FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2\"/>
- SHOULDER REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CONCRETE CURB & GUTTER REMOVAL

- A - MANHOLE, INLET OR VALVE BOX TO BE ADJUSTED
- R - MANHOLE, INLET, SIGN, OR PIPE CULVERT TO BE REMOVED
- RL - FIRE HYDRANT OR WATER VALVE TO BE RELOCATED (SEE WATER MAIN PLANS)
- STORM SEWER TO BE REMOVED
- X - TREE REMOVAL

NOTE: IN ADDITION TO THE ITEMS SHOWN TO BE REMOVED, RELOCATED OR ADJUSTED HERE, UTILITIES OWNED BY OTHERS MUST ALSO BE REMOVED, RELOCATED OR ADJUSTED. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THOSE UTILITIES.

CHAMLIN & ASSOCIATES, INC. © 2014 Drawing Number: G:\Users\G\06739\01-113-EXTENSION-PHASE-IL13-PLAN\PLANS\016-REM-171-176.dwg Last Modified: May 20, 2016 - 11:49am Plotted on: May 23, 2016 - 8:36am by jinc

| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

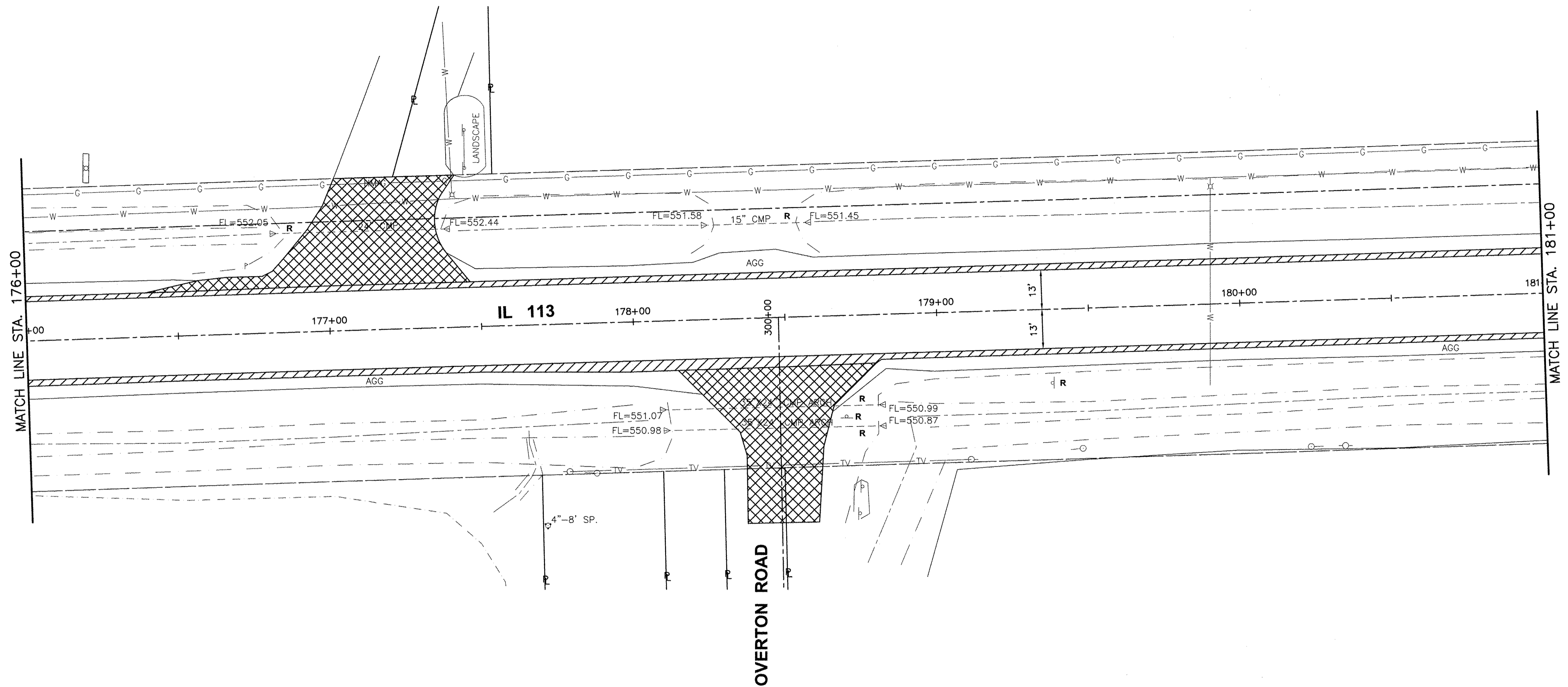
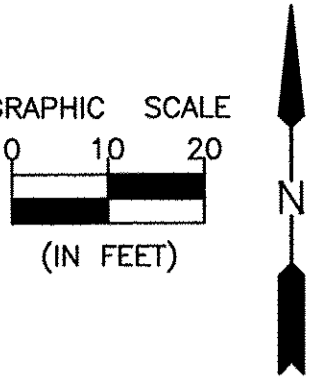
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

REMOVAL PLAN
STA. 171+00.00 TO STA. 176+00.00

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 16 |
| FILE NO.: 66139.01 Y- | OF 71 |



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" & VARIES
- SHOULDER REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CONCRETE CURB & GUTTER REMOVAL

- A - MANHOLE, INLET OR VALVE BOX TO BE ADJUSTED
- R - MANHOLE, INLET, SIGN, OR PIPE CULVERT TO BE REMOVED
- RL - FIRE HYDRANT OR WATER VALVE TO BE RELOCATED (SEE WATER MAIN PLANS)
- STORM SEWER TO BE REMOVED
- X - TREE REMOVAL

NOTE: IN ADDITION TO THE ITEMS SHOWN TO BE REMOVED, RELOCATED OR ADJUSTED HERE, UTILITIES OWNED BY OTHERS MUST ALSO BE REMOVED, RELOCATED OR ADJUSTED. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THOSE UTILITIES.

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Drawing Name: G:\Users\G36733-D\113-EXTENSION-PHASE-A\CD\PLANS\017-REV-176-181.dwg Last Modified: May 20, 2016 - 11:49am Plotted on: May 23, 2016 - 8:37am by jinc

| | | | | |
|-----------------|-----------|----|------|-------------|
| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

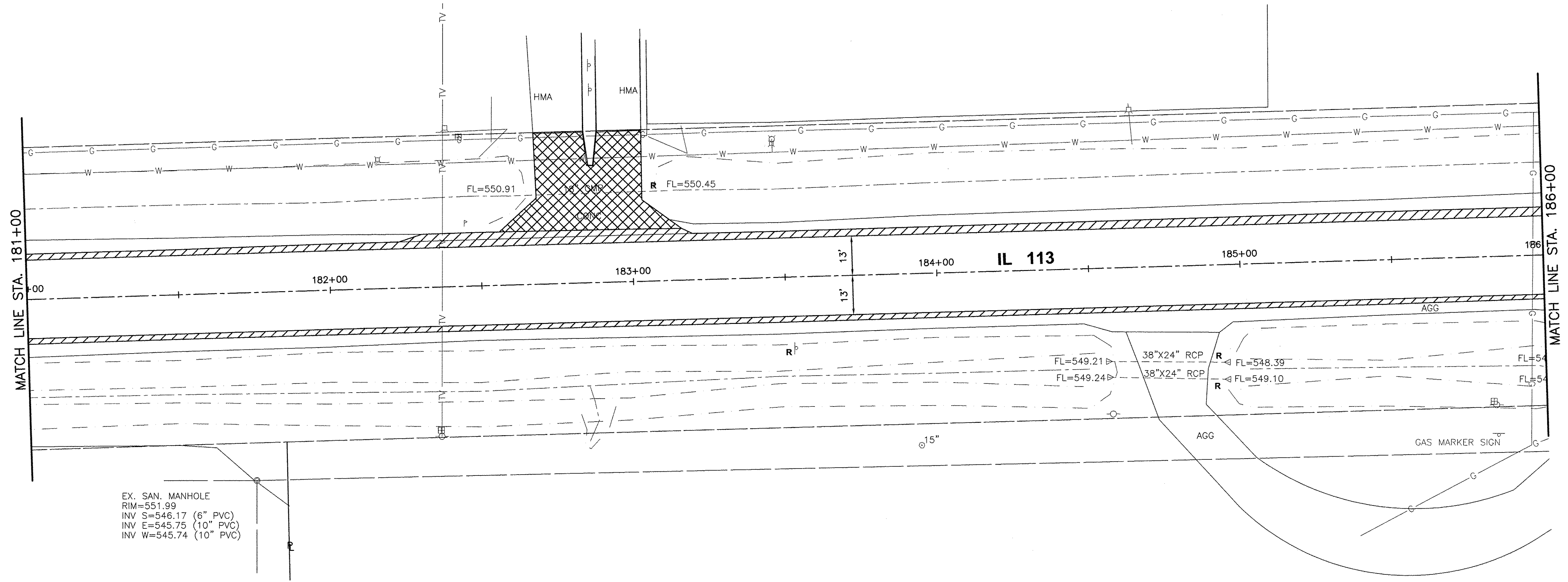
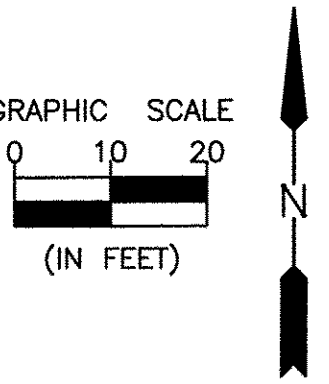
CHAMBLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

**FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY**

**REMOVAL PLAN
STA. 176+00.00 TO STA. 181+00.00**

**CONSTRUCTION
PLANS**

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 17 |
| FILE NO.: 66139.01 Y- | OF 71 |



EX. SAN. MANHOLE
 RIM=551.99
 INV S=546.17 (6" PVC)
 INV E=545.75 (10" PVC)
 INV W=545.74 (10" PVC)

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" & VARIES
- SHOULDER REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CONCRETE CURB & GUTTER REMOVAL

- A - MANHOLE, INLET OR VALVE BOX TO BE ADJUSTED
- R - MANHOLE, INLET, SIGN, OR PIPE CULVERT TO BE REMOVED
- RL - FIRE HYDRANT OR WATER VALVE TO BE RELOCATED (SEE WATER MAIN PLANS)
- STORM SEWER TO BE REMOVED
- X - TREE REMOVAL

NOTE: IN ADDITION TO THE ITEMS SHOWN TO BE REMOVED, RELOCATED OR ADJUSTED HERE, UTILITIES OWNED BY OTHERS MUST ALSO BE REMOVED, RELOCATED OR ADJUSTED. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THOSE UTILITIES.

CHAMBLIN & ASSOCIATES, INC. © 2014
 Drawing Number: 14-00010-00-186-REM-181-186.dwg Last Modified: May 20, 2016 - 11:49am Plotted on: May 23, 2016 - 8:38am by jmc

| DRAWN BY: NV | REVISIONS | | | |
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| CHECKED BY: JKC | | | | |
| DATE: 01/15 | | | | |

CHAMBLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

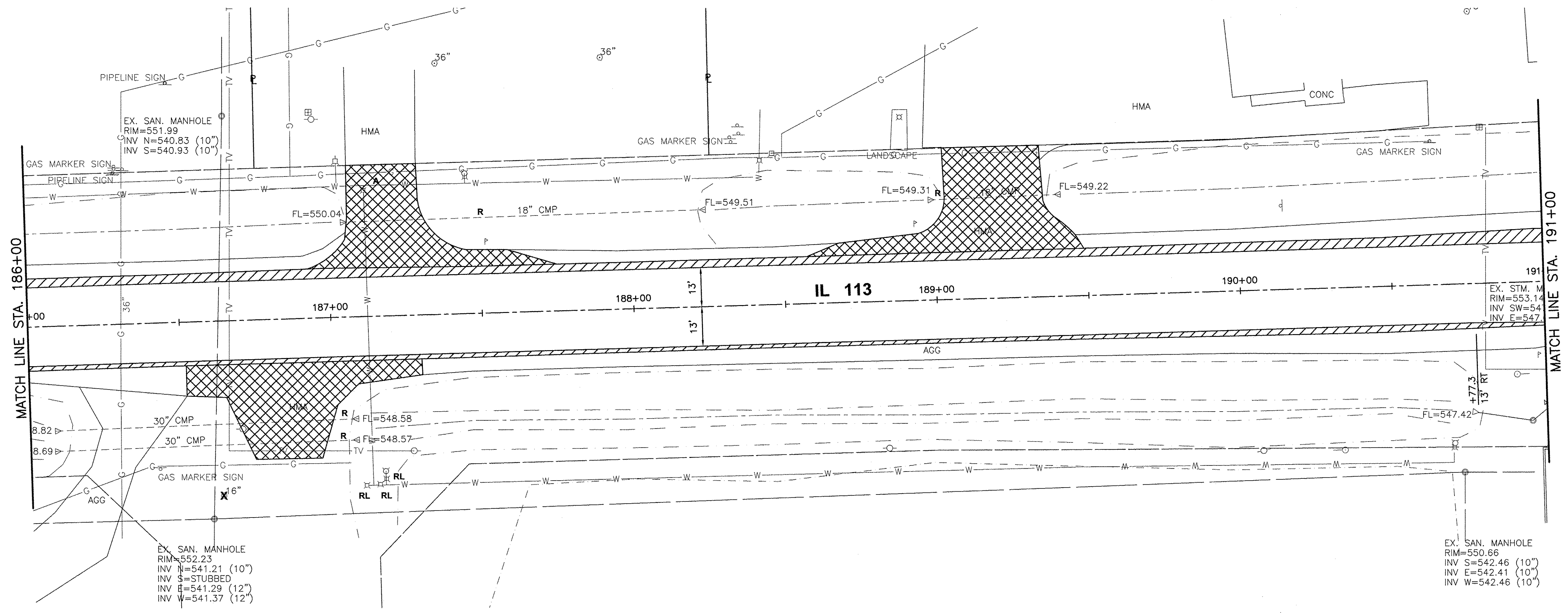
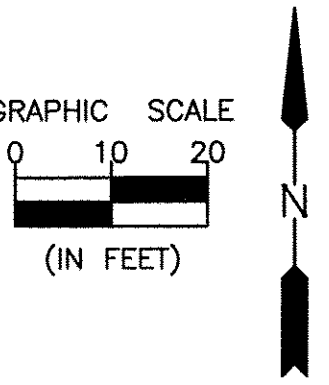
FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

REMOVAL PLAN
 STA. 181+00.00 TO STA. 186+00.00

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 18 |
| FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606



- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2\"/>
- SHOULDER REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CONCRETE CURB & GUTTER REMOVAL

- A - MANHOLE, INLET OR VALVE BOX TO BE ADJUSTED
- R - MANHOLE, INLET, SIGN, OR PIPE CULVERT TO BE REMOVED
- RL - FIRE HYDRANT OR WATER VALVE TO BE RELOCATED (SEE WATER MAIN PLANS)
- STORM SEWER TO BE REMOVED
- X - TREE REMOVAL

NOTE: IN ADDITION TO THE ITEMS SHOWN TO BE REMOVED, RELOCATED OR ADJUSTED HERE, UTILITIES OWNED BY OTHERS MUST ALSO BE REMOVED, RELOCATED OR ADJUSTED. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THOSE UTILITIES.

CHAMLIN & ASSOCIATES, INC. © 2014. Drawing Name: G:\Users\G\66139-01-LL13-EXTENSION-PHASE-A\CAD\CAD\PLANS\019-REM-186-191.dwg. Last Modified: May 20, 2016 11:50am. Plotted on: May 23, 2016 8:40am by jmc

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| DATE: 01/15 | | | | |

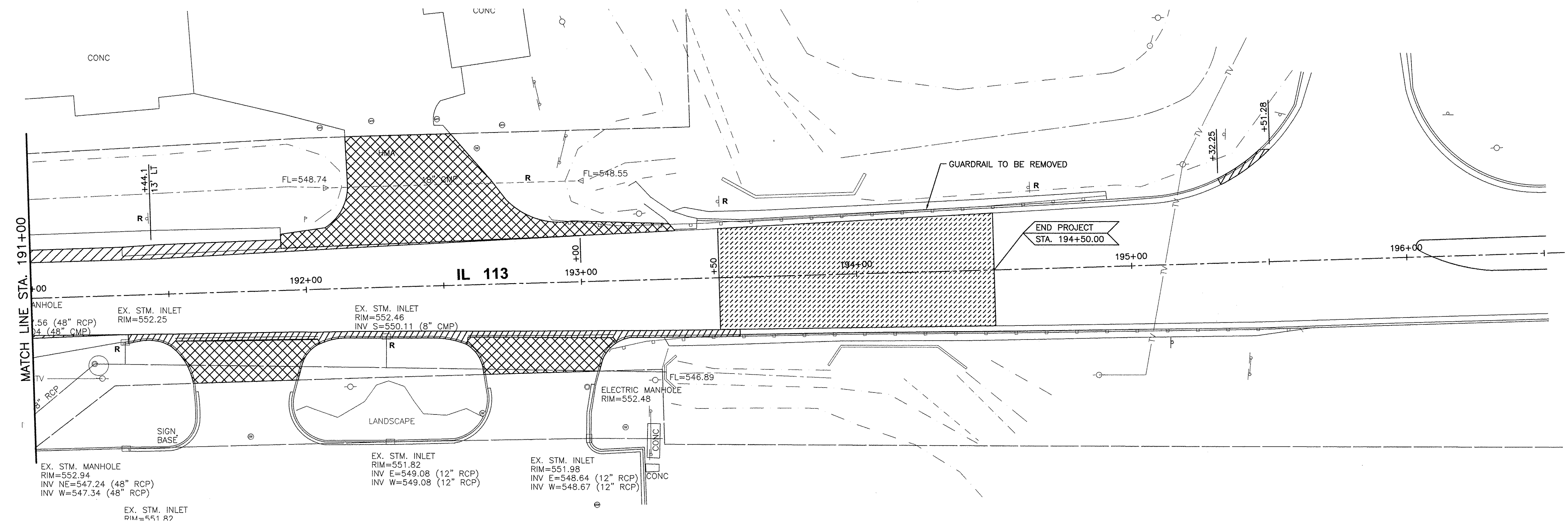
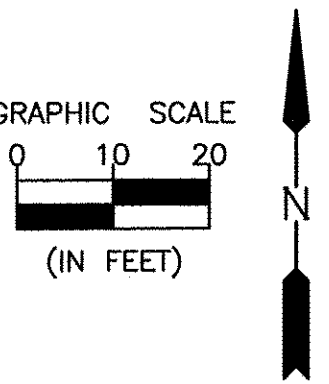
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS


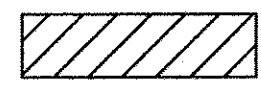



FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

REMOVAL PLAN
STA. 186+00.00 TO STA. 191+00.00

CONSTRUCTION PLANS

| | | |
|---------------------------|----------|--------------------|
| CURRENT AS OF: 05/18/2016 | | CONTRACT NO. 87606 |
| SCALE: AS NOTED | SHEET 19 | |
| FILE NO.: 66139.01 Y- | OF 71 | |



-  HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2\"/>
-  SHOULDER REMOVAL
-  SIDEWALK REMOVAL
-  PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
-  COMBINATION CONCRETE CURB & GUTTER REMOVAL

- A - MANHOLE, INLET OR VALVE BOX TO BE ADJUSTED
- R - MANHOLE, INLET, SIGN, OR PIPE CULVERT TO BE REMOVED
- RL - FIRE HYDRANT OR WATER VALVE TO BE RELOCATED (SEE WATER MAIN PLANS)
- STORM SEWER TO BE REMOVED
- X - TREE REMOVAL

NOTE: IN ADDITION TO THE ITEMS SHOWN TO BE REMOVED, RELOCATED OR ADJUSTED HERE, UTILITIES OWNED BY OTHERS MUST ALSO BE REMOVED, RELOCATED OR ADJUSTED. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THOSE UTILITIES.

CHAMLIN & ASSOCIATES, INC. © 2014. Drawing Name: C:\Users\jg\OneDrive\Documents\CHAMLIN\PROJECTS\14-00010-00-VR\14-00010-00-VR-113-EXTENSION-PAVE-CONC\PLANS\20-REV4-191-196.dwg. Last Modified: May 20, 2016 - 11:50am. Plotted on: May 23, 2016 - 8:41am by jmc

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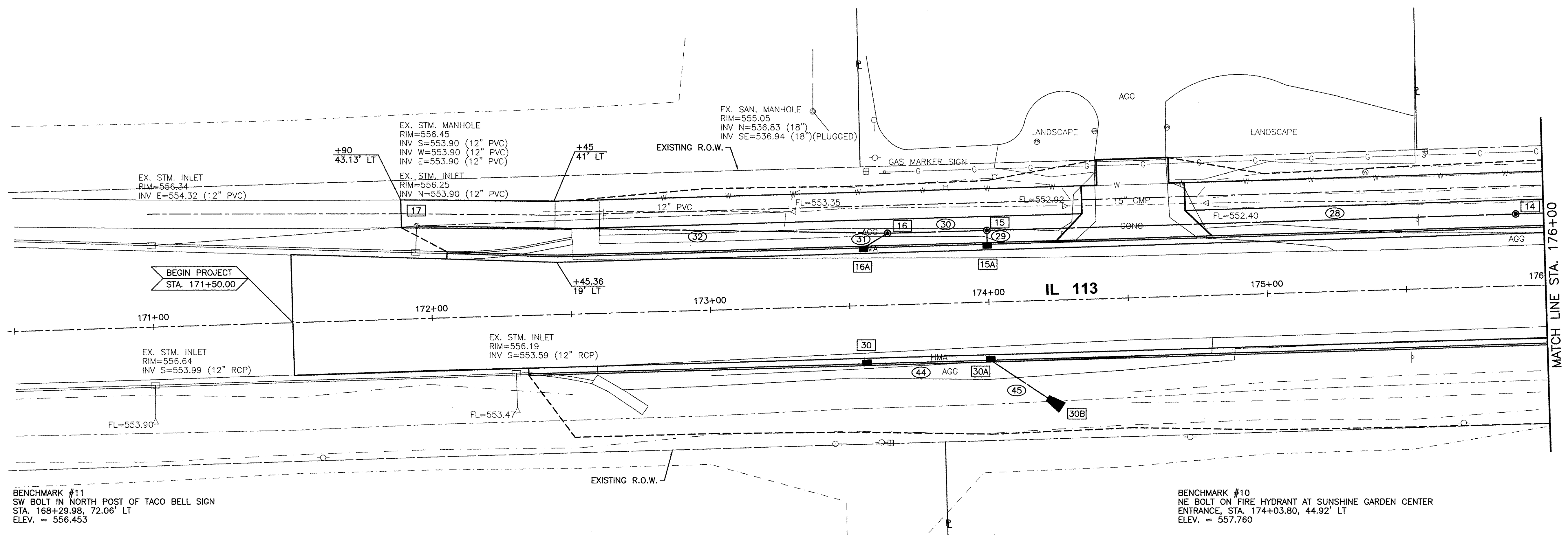
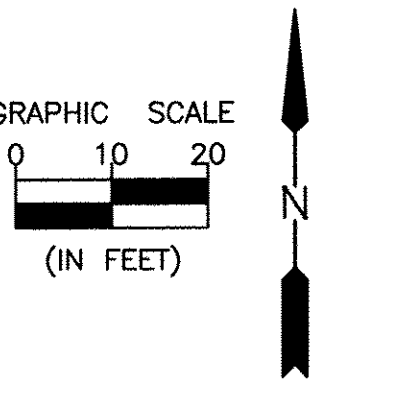
CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

REMOVAL PLAN
 STA. 191+00.00 TO STA. 196+00.00

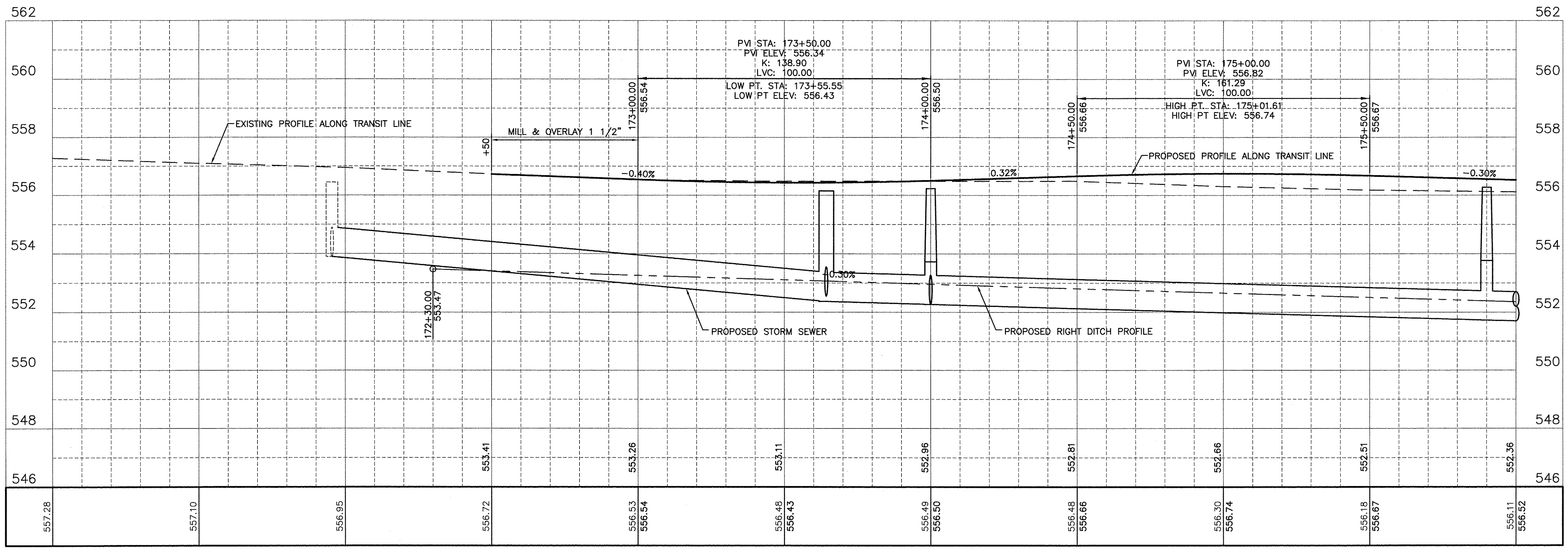
CONSTRUCTION PLANS

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|---------------------------|----------|--------------------|
| CURRENT AS OF: 05/18/2016 | | CONTRACT NO. 87606 |
| SCALE: AS NOTED | SHEET 20 | |
| FILE NO.: 66139.01 | Y- | OF 71 |



BENCHMARK #11
SW BOLT IN NORTH POST OF TACO BELL SIGN
STA. 168+29.98, 72.06' LT
ELEV. = 556.453

BENCHMARK #10
NE BOLT ON FIRE HYDRANT AT SUNSHINE GARDEN CENTER
ENTRANCE, STA. 174+03.80, 44.92' LT
ELEV. = 557.760



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Drawing Name: C:\Users\G38759\OneDrive\Documents\11-13-EXTENSION-PHASE-A\CD\PLANS\021-PP-171-176.dwg Last Modified: May 23, 2016 - 11:50am Plotted on: May 23, 2016 - 8:22am by jmc

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| CHECKED BY: JKC | LEVEL | BY | DATE |
| DATE: 01/15 | | | |

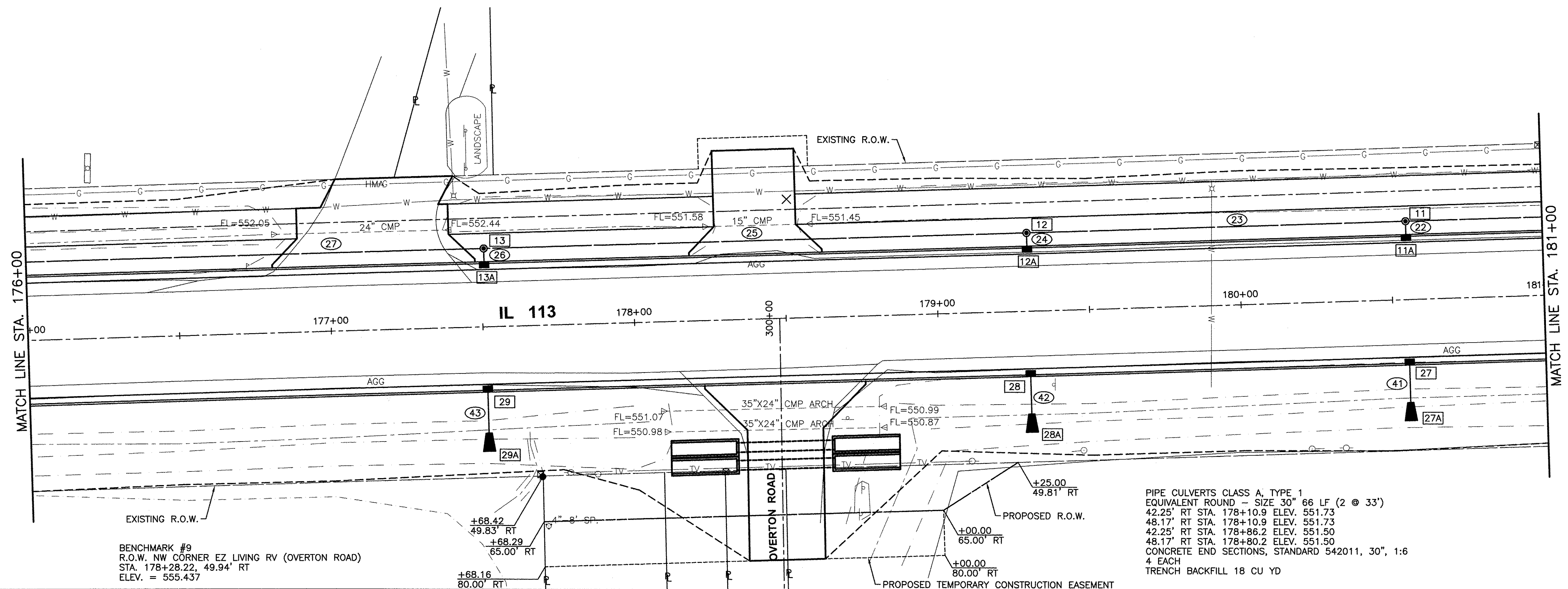
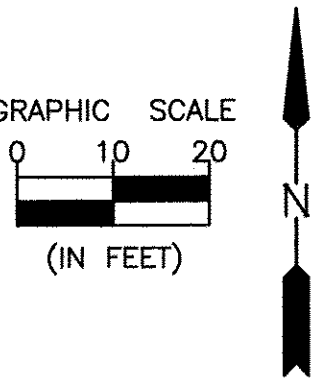
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

PLAN AND PROFILE
STA. 171+00.00 TO STA. 176+00.00

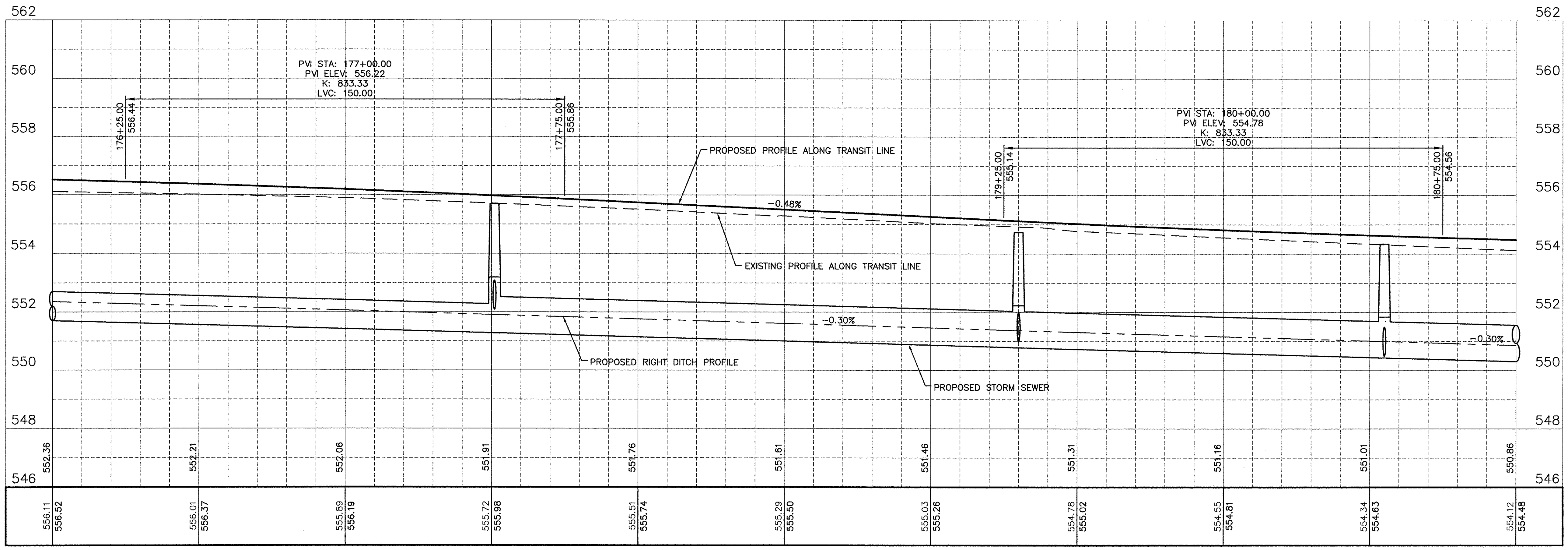
CONSTRUCTION PLANS
CURRENT AS OF: 05/18/2016
SCALE: AS NOTED SHEET 21
FILE NO.: 66139.01 Y- OF 71

CONTRACT NO. 87606



BENCHMARK #9
R.O.W. NW CORNER EZ LIVING RV (OVERTON ROAD)
STA. 178+28.22, 49.94' RT
ELEV. = 555.437

PIPE CULVERTS CLASS A, TYPE 1
EQUIVALENT ROUND - SIZE 30" 66 LF (2 @ 33")
42.25' RT STA. 178+10.9 ELEV. 551.73
48.17' RT STA. 178+10.9 ELEV. 551.73
42.25' RT STA. 178+86.2 ELEV. 551.50
48.17' RT STA. 178+80.2 ELEV. 551.50
CONCRETE END SECTIONS, STANDARD 542011, 30", 1:6
4 EACH
TRENCH BACKFILL 18 CU YD



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Drawing Name: S:\Users\G\167139-D\1-L1-EXTENSION-PMSE-A\CAD\C3D\PLANS\02-PP-176-181.dwg Last Modified: May 20, 2016 - 11:50am Plotted on: May 23, 2016 - 8:43am by jmc

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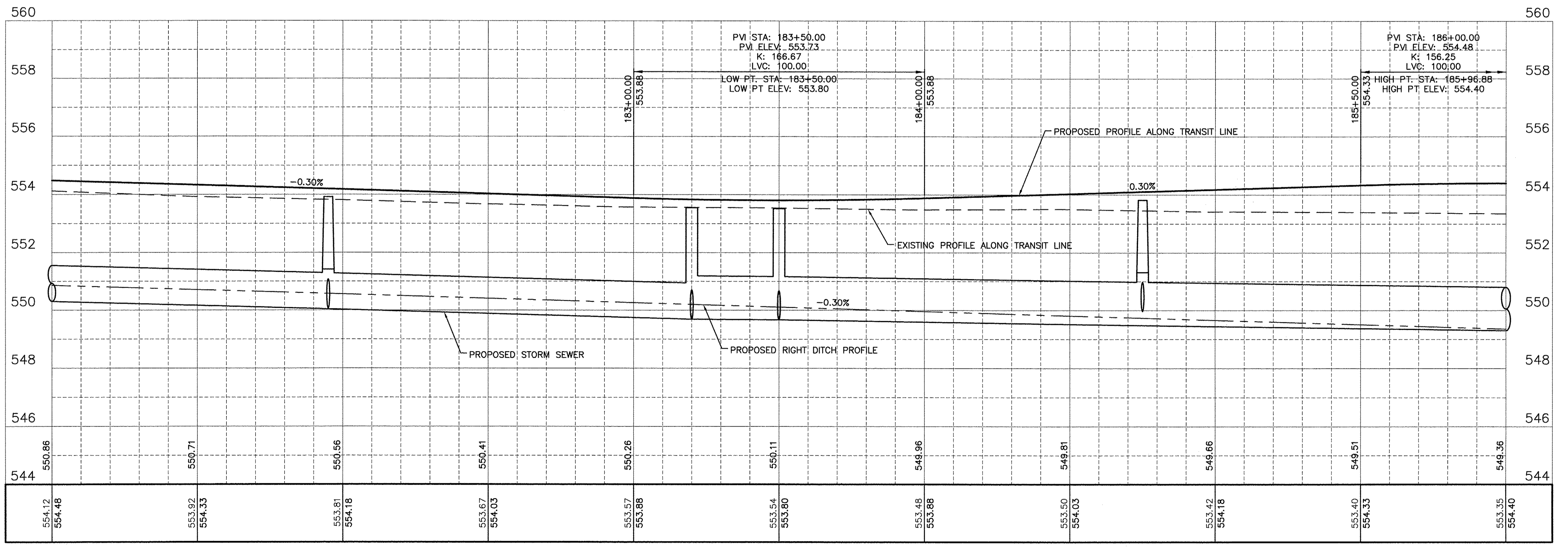
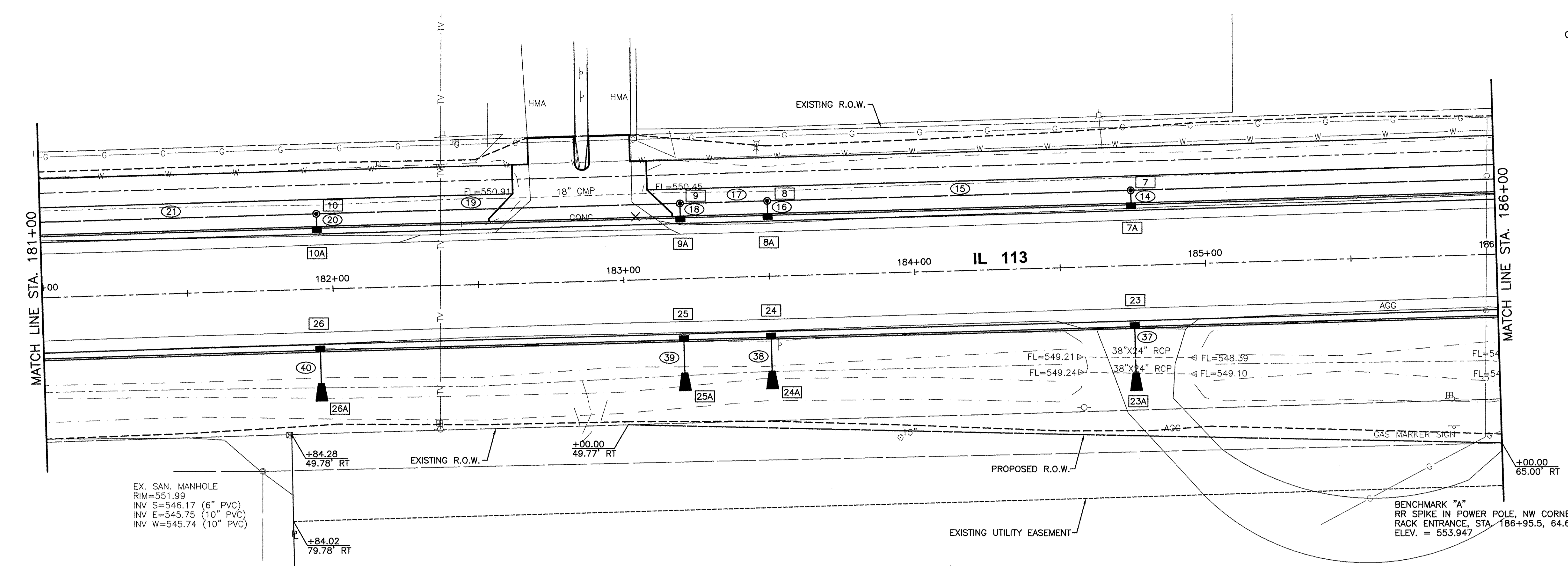
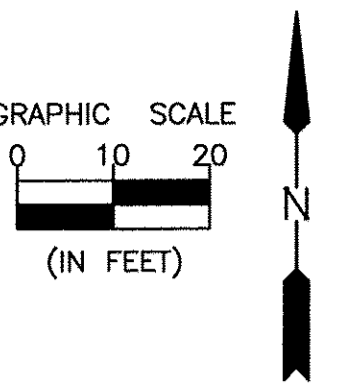
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS
ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

PLAN AND PROFILE
STA. 176+00.00 TO STA. 181+00.00

CONSTRUCTION PLANS
CURRENT AS OF: 05/18/2016
SCALE: AS NOTED SHEET 22
FILE NO.: 66139.01 Y- OF 71

CONTRACT NO. 87606



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 Drawing Number: 66139.01-03-ILL13-EXTENSION-PHASE-1(ADD) PLANS(03)-PP-181-186.dwg Label Modified: May 20, 2016 11:50am Plotted on: May 23, 2016 8:44am by jmc

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| DRAWN BY: ARR/NV | | REVISIONS | |
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| DATE: 01/15 | DESCRIPTION | | |

CHAMLIN & ASSOCIATES, INC.

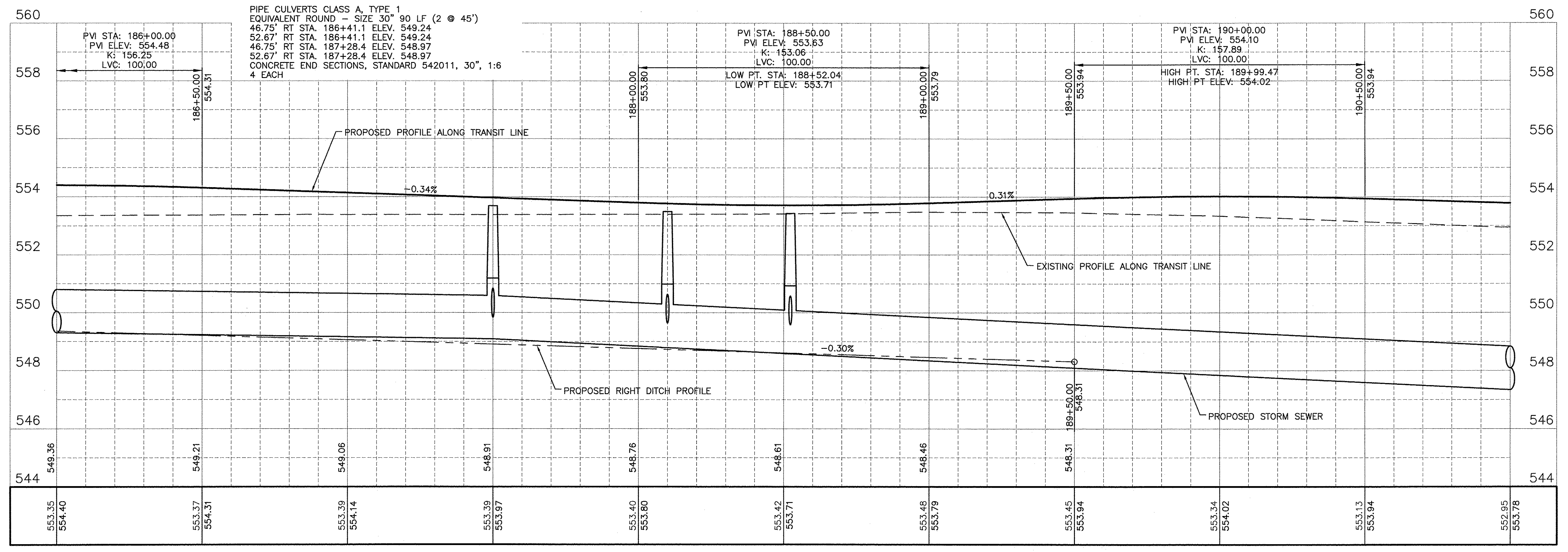
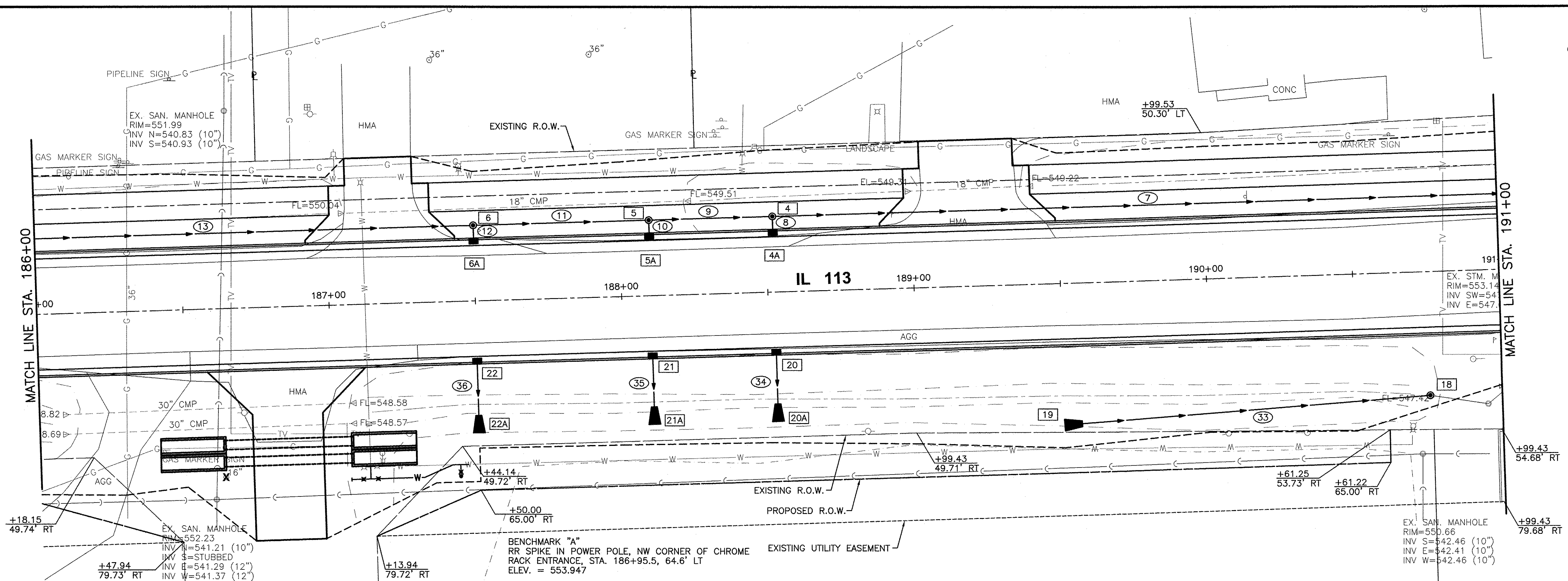
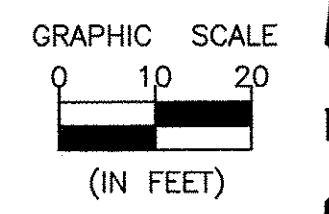
PERU MORRIS
ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

PLAN AND PROFILE
STA. 181+00.00 TO STA. 186+00.00

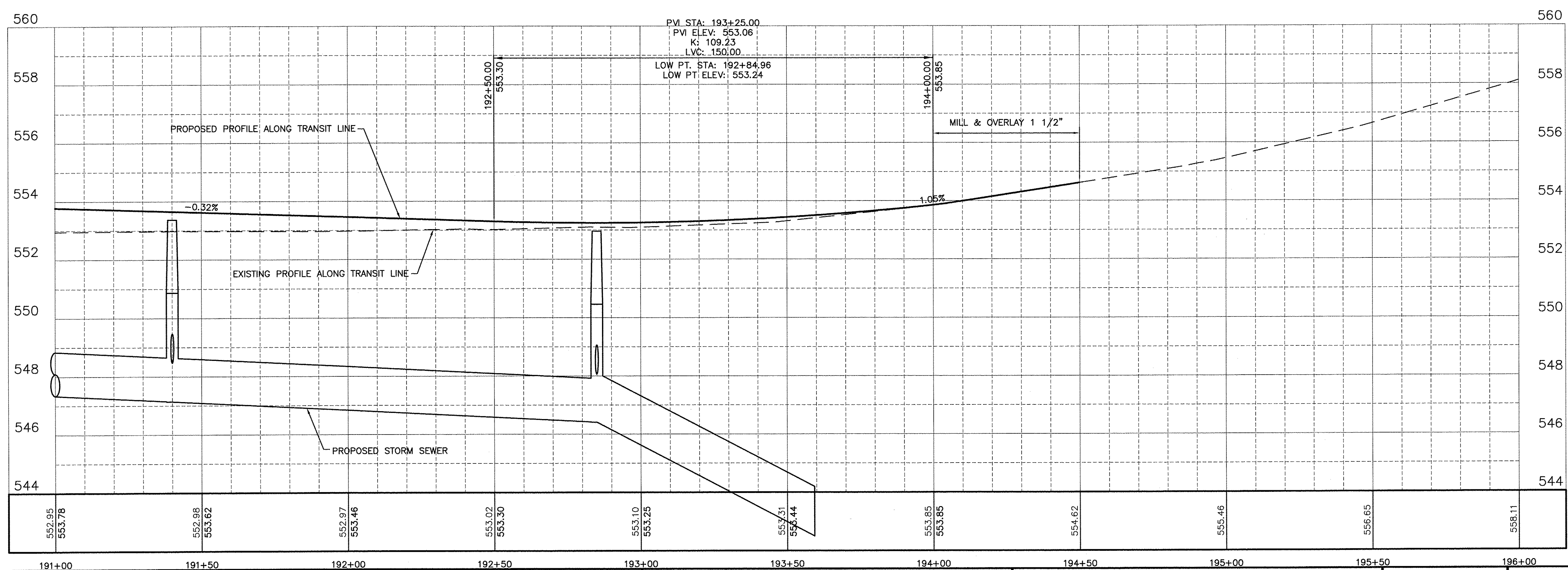
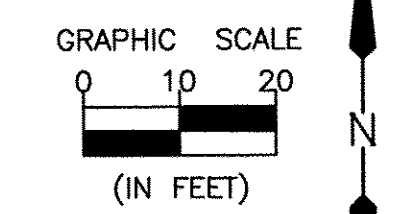
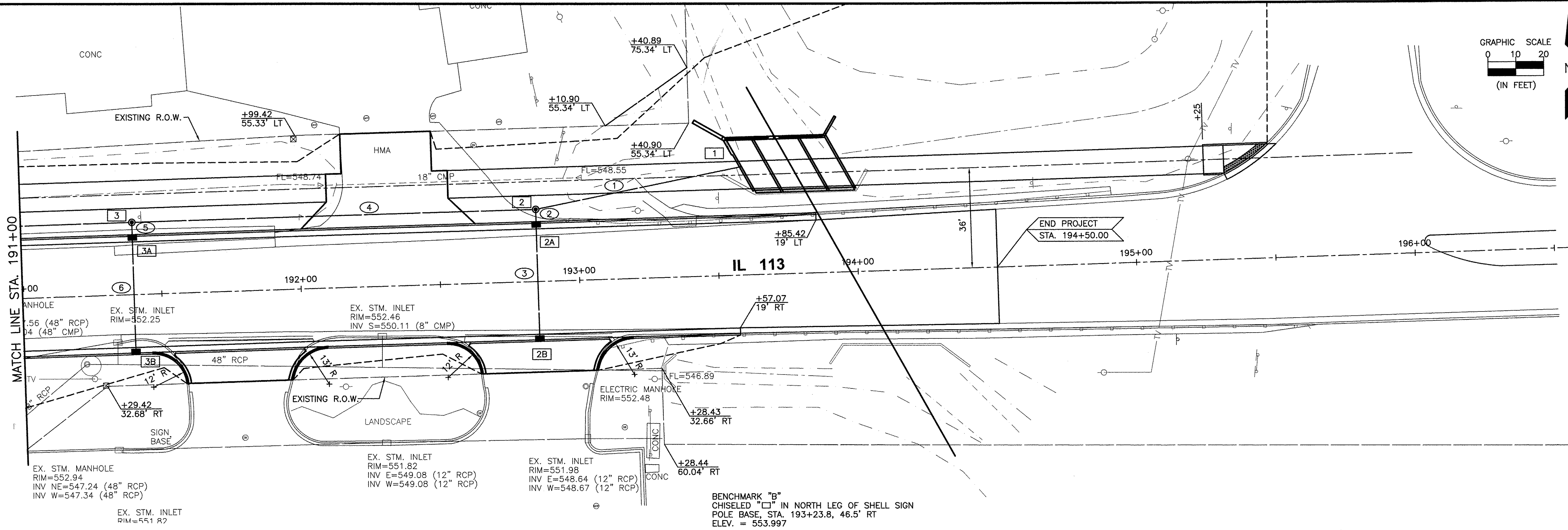
CONSTRUCTION PLANS

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|---------------------------|----------|--------------------|
| CURRENT AS OF: 05/18/2016 | | CONTRACT NO. 87606 |
| SCALE: AS NOTED | SHEET 23 | |
| FILE NO.: 66139.01 Y- | OF 71 | |



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Drawing Name: G:\Users\G\Ubersa\A\66139-01-IL113-EXTENSION-PHASE-1\CAD\CAD\PLANS\024-PP-186-191.dwg, Last Modified: Aug 10, 2016 - 3:53pm, Plotted on: Aug 10, 2016 - 4:26pm, by: mowbray

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| DRAWN BY: ARR/NV | CHECKED BY: JKC | DATE: 01/15 | REVISIONS | | PERU MORRIS ILLINOIS | FAU 383 SECTION 14-00010-00-WR VILLAGE OF DIAMOND WILL COUNTY | PLAN AND PROFILE STA. 186+00.00 TO STA. 191+00.00 | CONSTRUCTION PLANS | CONTRACT NO. 87606 CURRENT AS OF: 05/18/2016 SCALE: AS NOTED FILE NO.: 66139.01 Y- | SHEET 24 OF 71 |
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 Drawing Name: G:\Users\jvk\OneDrive\Projects\13-EXTENSION-PHASE-1\CD\CD\PLANS\025-PP-191-196.dwg Last Modified: May 20, 2016 11:49am Plotted on: May 23, 2016 8:47am by jvk

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| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 10/14 | | | | |

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

PLAN AND PROFILE
STA. 191+00.00 TO STA. 196+00.00

CONSTRUCTION PLANS

| | |
|-----------------------|---------------------------|
| CONTRACT NO. 87606 | CURRENT AS OF: 05/18/2016 |
| SCALE: AS NOTED | SHEET 25 |
| FILE NO.: 66139.01 Y- | OF 71 |

SEQUENCE OF WORK

STAGE I

- * EXTEND EXISTING TRIPLE BOX CULVERT.
- * CONSTRUCT STORM SEWERS ON THE NORTH AND SOUTH SIDES OF IL 113.

STAGE II

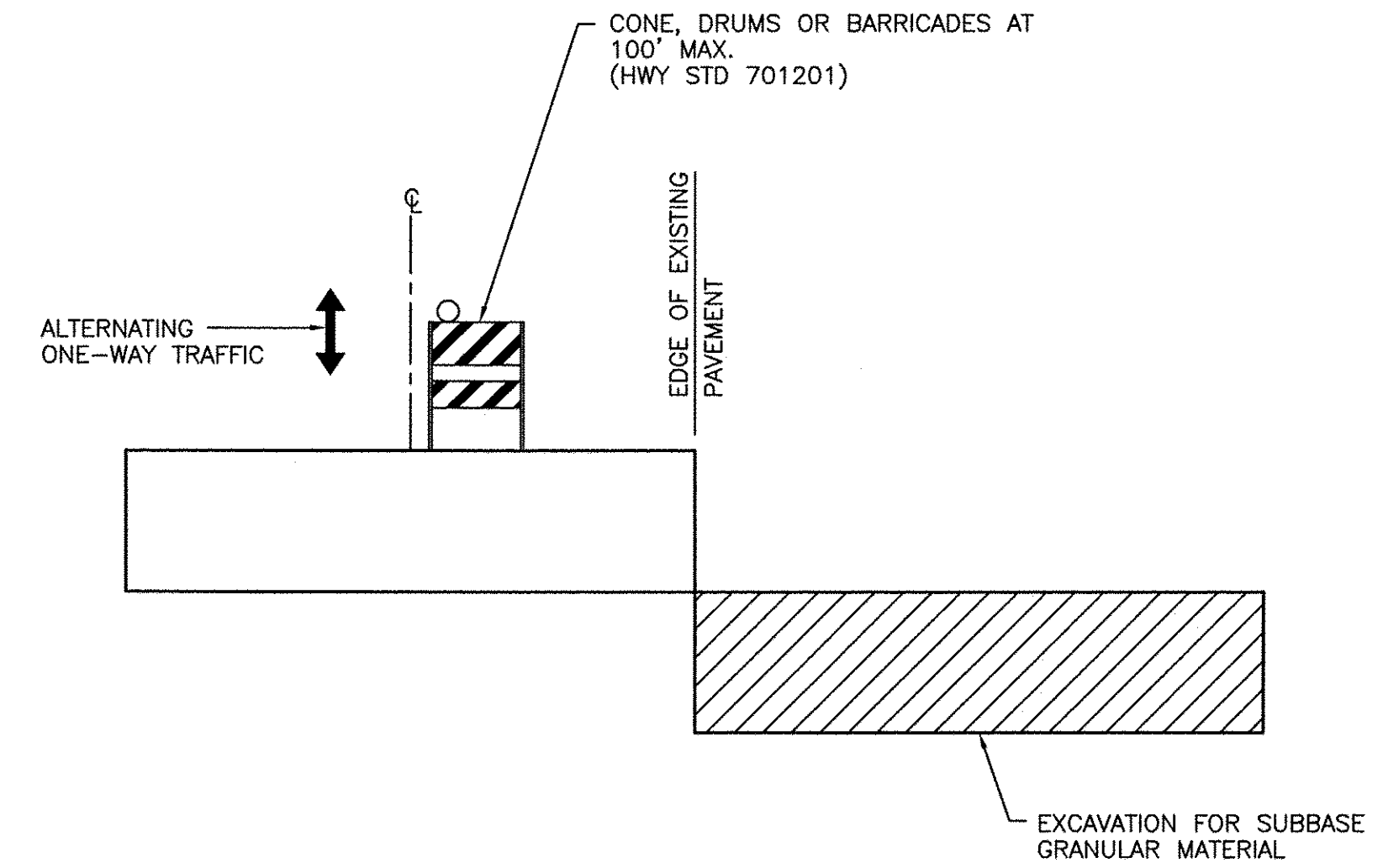
- * CONSTRUCT IL 113 PAVEMENT WIDENING ALONG THE NORTH EDGE OF PAVEMENT TO TOP OF BASE COURSE AND PLACE VARIABLE THICKNESS LEVELING BINDER OVER IL 113.

STAGE III

- * CONSTRUCT IL 113 PAVEMENT WIDENING ALONG THE SOUTH EDGE OF PAVEMENT TO TOP OF HMA BASE COURSE.

STAGE IV

- * PLACE LEVELING BINDER AND SURFACE COURSE, AND ALL OTHER WORK TO COMPLETE THE PROJECT.



STAGE CONSTRUCTION WIDENING DETAIL – IL 113

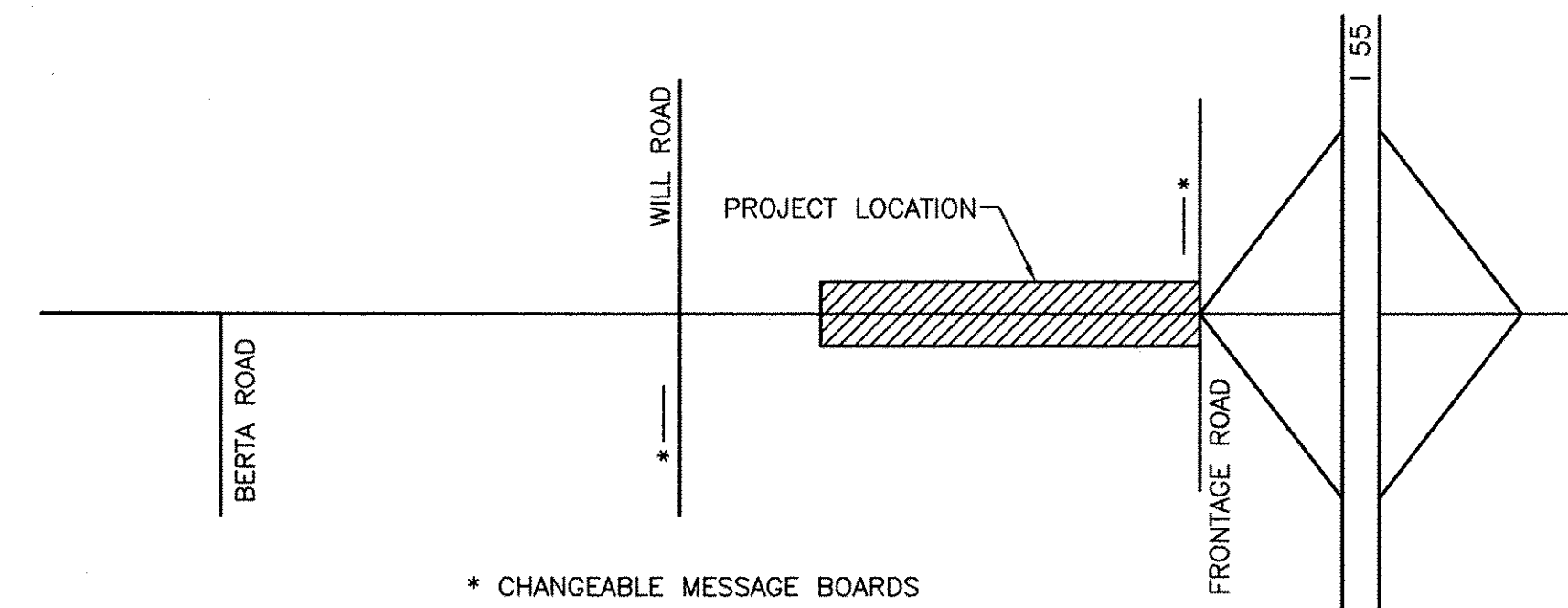
TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701201 DURING WORK TO EXCAVATE FOR SUB-BASE GRANULAR MATERIAL. THE FIRST 4" OF SUB-BASE GRANULAR MATERIAL SHALL BE PLACED PRIOR TO OPENING THE ADJACENT LANE. THEN TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701326.

TRAFFIC CONTROL NOTES

1. WORK TO EXTEND THE TRIPLE BOX CULVERT SHALL BE DONE BEHIND THE EXISTING GUARD RAIL AND HIGHWAY STANDARD 701006 SHALL BE USED.
2. TRAFFIC CONTROL FOR CONSTRUCTION OF STORM SEWERS AND ENTRANCE CULVERTS SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARDS 701006 AND 701201.
3. TRAFFIC CONTROL FOR PAVEMENT WIDENING SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARDS 701201 AND 701326, AND THE DETAIL ON THIS SHEET.
4. TRAFFIC CONTROL FOR MILLING AND RESURFACING WORK SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701306. PLACE UNEVEN LANE SIGNS AT STATIONS 170+00 AND 195+00 DURING THIS WORK.
5. TRAFFIC CONTROL FOR WORK TO CONSTRUCT THE SHARED USE PATH AND TO INSTALL SIGNS SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701006.
6. TRAFFIC CONTROL FOR STRIPING WORK SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701311.

THE SHARED USE PATH SHALL BE CLOSED AT 169+30 BY PLACING A DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE WITH R11-1101-2418 SIGN ACROSS THE PATH. THIS WORK SHALL BE CONSIDERED INCLUDED IN OTHER TRAFFIC CONTROL PAY ITEMS.

SHARED USE PATH CLOSURE



PUBLIC INFORMATION PLAN

- 1) CHANGEABLE MESSAGE BOARDS SHALL BE IN PLACE FOR TWO WEEKS PRIOR TO START OF CONSTRUCTION.
- 2) THE CONTRACTOR SHALL NOTIFY EMERGENCY SERVICES (POLICE, FIRE & AMBULANCE) IN WRITING 2 WEEKS PRIOR TO BEGINNING WORK.

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 CHAM\Projects\14-00010-00-WR\113-EXHIBITION-PHASE-1\CADD\C3D\PLANS\026-TRAFFIC-CONTROL-DETS.dwg
 Last Modified: May 18, 2016 - 2:20pm
 Plotted on: May 18, 2016 - 2:22pm by rnsck

| DRAWN BY: NV | REVISIONS | | | |
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CHAMLIN & ASSOCIATES, INC.

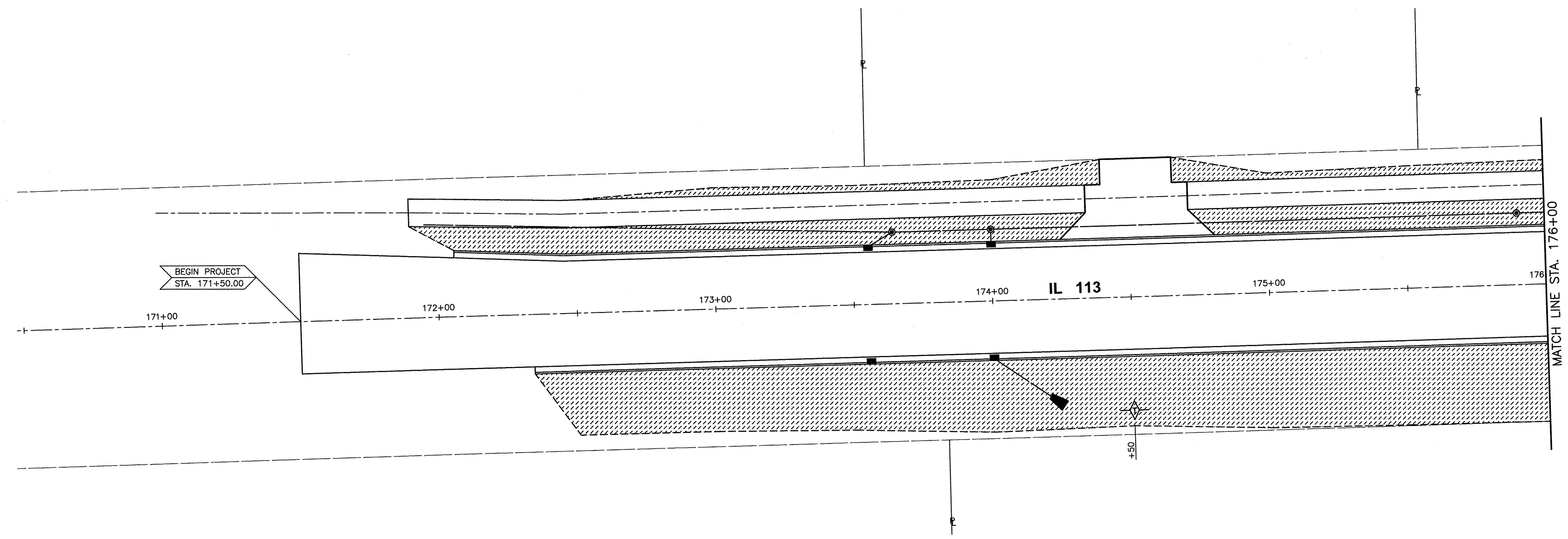
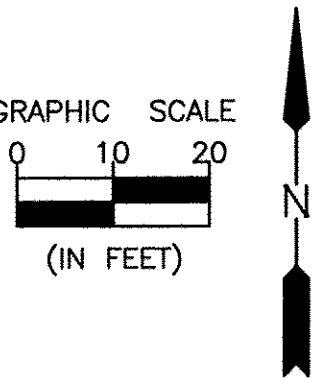
PERU MORRIS
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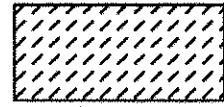
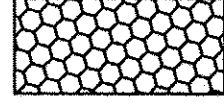



**FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY**

**STAGE CONSTRUCTION AND
TRAFFIC CONTROL PLANS**

**CONSTRUCTION
PLANS**

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 26 |
| FILE NO.: 66139.01 Y- | OF 71 |



-  SEEDING CLASS 2A
MULCH METHOD 2
-  STONE RIPRAP CLASS A4
-  PERIMETER EROSION CONTROL BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION

CHAMLIN & ASSOCIATES, INC. © 2014
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 Plot Date: May 20, 2016 11:55am
 Plot Size: 8.48in by 7.1in

| DRAWN BY: NV | REVISIONS | | | |
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| | LEVEL | BY | DATE | DESCRIPTION |
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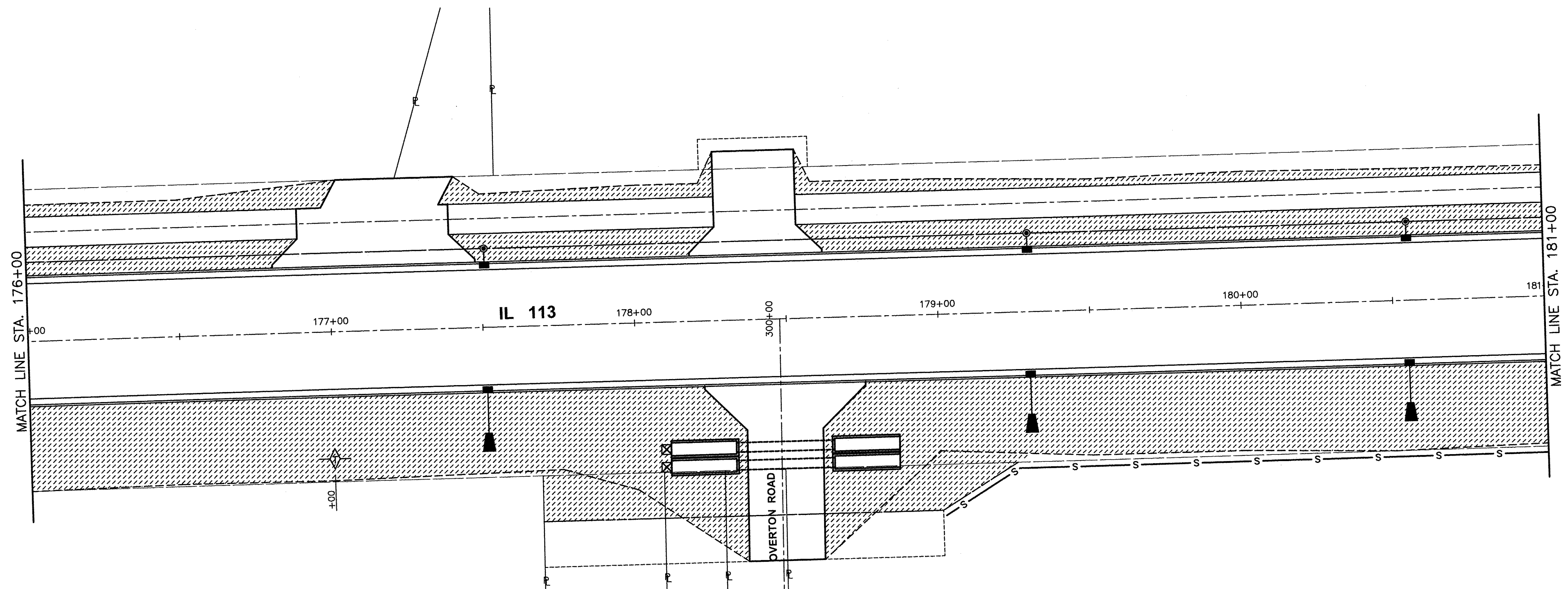
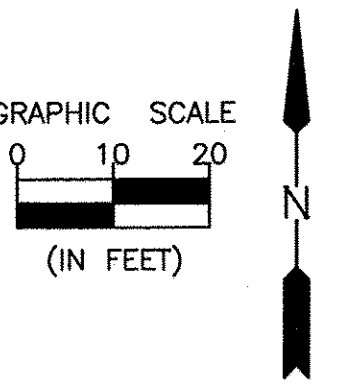
CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS
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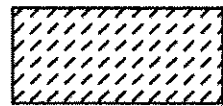
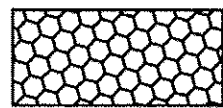



FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

EROSION AND SEDIMENT CONTROL PLAN
 STA. 171+00.00 TO STA. 176+00.00

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 27 |
| FILE NO.: 66139.01 Y- | OF 71 |



-  SEEDING CLASS 2A
MULCH METHOD 2
-  STONE RIPRAP CLASS A4
-  PERIMETER EROSION CONTROL BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION

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 Drawing Name: C:\Users\jkc\Documents\CHAMLIN\PROJECTS\14-00010-00-VR\14-00010-00-VR-181.dwg
 Last Modified: May 20, 2016 - 11:55am
 Plotted on: May 23, 2016 - 8:45am by jkc

| DRAWN BY: NV | REVISIONS | | | |
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| CHECKED BY: JKC | | | | |
| DATE: 01/15 | | | | |

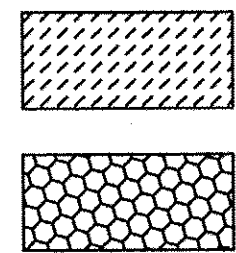
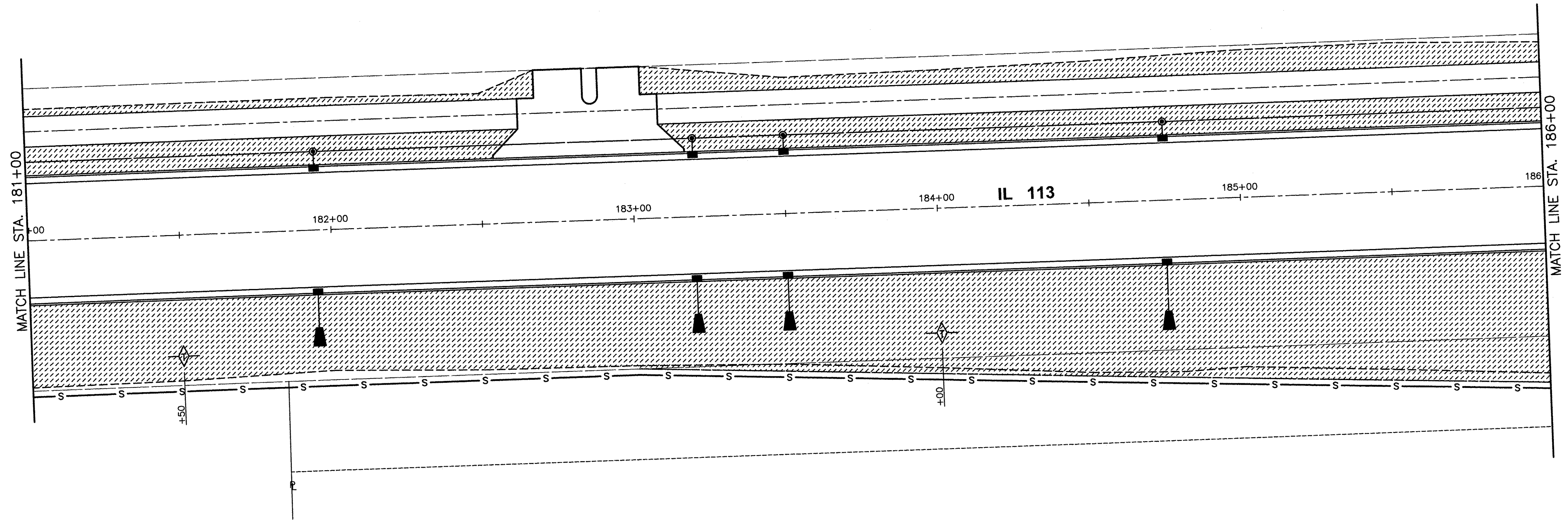
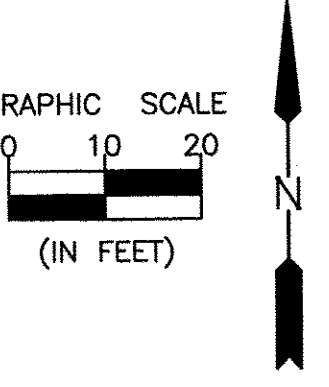
CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

EROSION AND SEDIMENT CONTROL PLAN
 STA. 176+00.00 TO STA. 181+00.00

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 28 |
| FILE NO.: 66139.01 Y- | OF 71 |



SEEDING CLASS 2A
MULCH METHOD 2

STONE RIPRAP CLASS A4

— S — PERIMETER EROSION CONTROL BARRIER

◇ TEMPORARY DITCH CHECK

⊗ INLET AND PIPE PROTECTION

CHAMLIN & ASSOCIATES, INC. © 2014
Drawing Name: C:\Users\G. Ubers\Documents\14-00010-00-EROS-181-186.dwg, Last Modified: May 20, 2016 11:55am, Plotted on: May 23, 2016 8:50am by jmc

| DRAWN BY: NV | REVISIONS | | | |
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| | LEVEL | BY | DATE | DESCRIPTION |
| CHECKED BY: JKC | | | | |
| DATE: 01/15 | | | | |

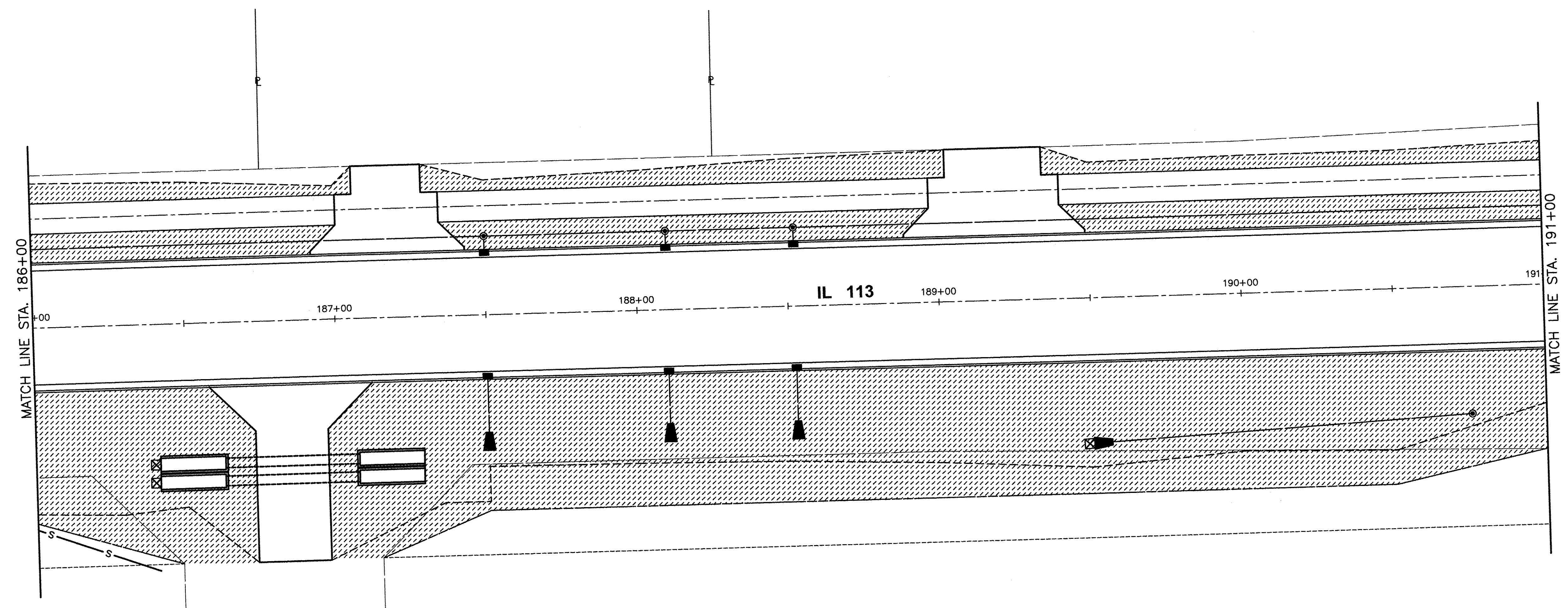
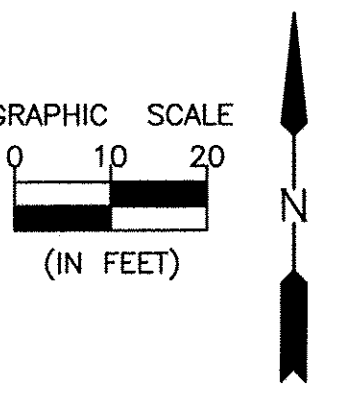
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS
ILLINOIS

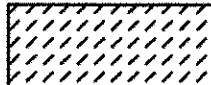
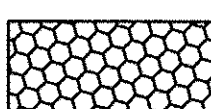



FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

EROSION AND SEDIMENT CONTROL PLAN
STA. 181+00.00 TO STA. 186+00.00

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 29 |
| FILE NO.: 66139.01 Y- | OF 71 |



-  SEEDING CLASS 2A
MULCH METHOD 2
-  STONE RIPRAP CLASS A4
-  PERIMETER EROSION CONTROL BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION

CHAMLIN & ASSOCIATES, INC. © 2014
 DRAWING NUMBER: 14-00010-00-01-113-EROSION-CONTROL-PLANS-030-EROS-186-191.dwg
 Last Modified: May 20, 2016 - 11:55am
 Plotted on: May 23, 2016 - 8:51am by jinc

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| DATE: 01/15 | | | | |

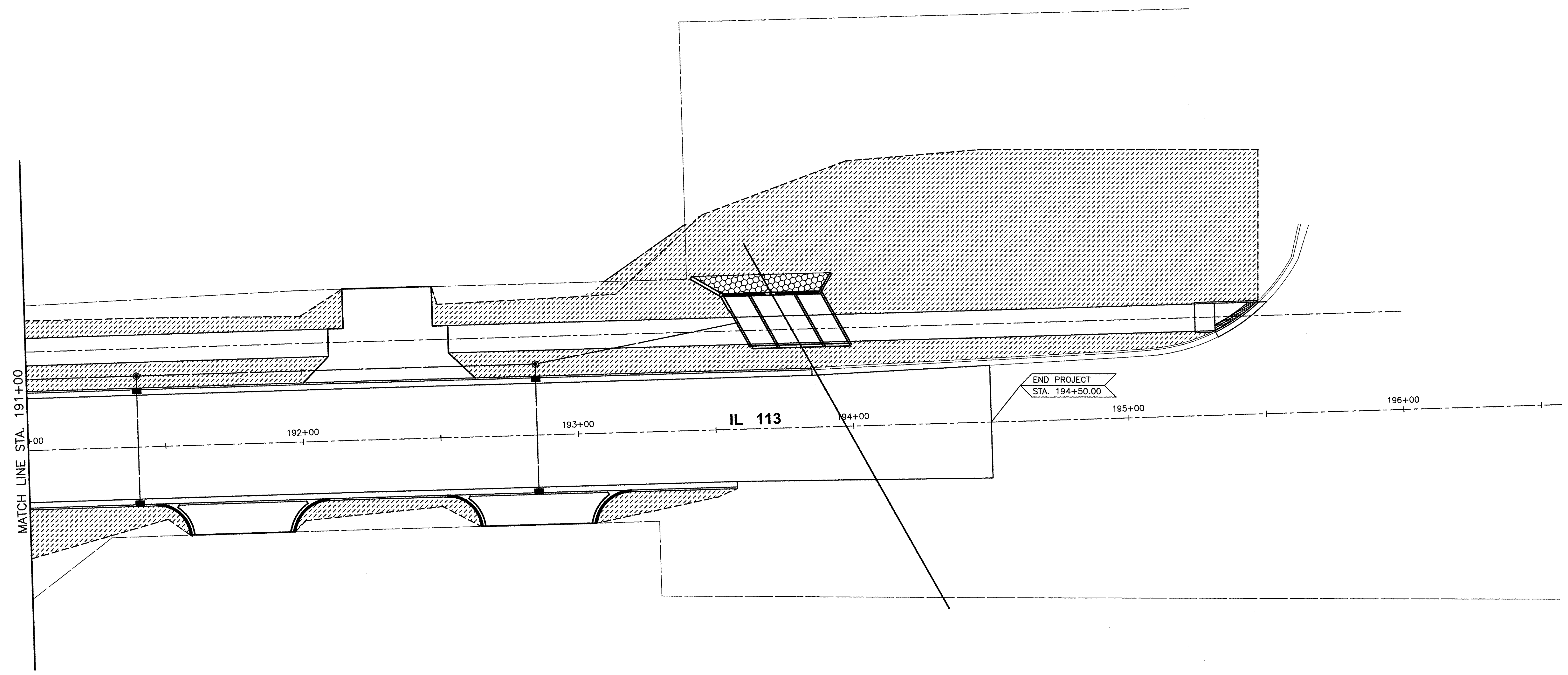
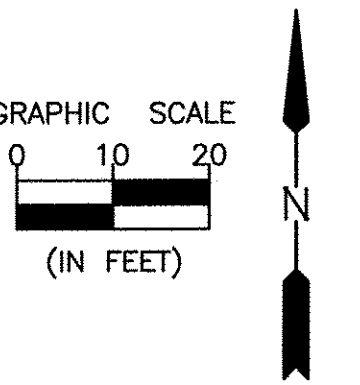
CHAMLIN & ASSOCIATES, INC.
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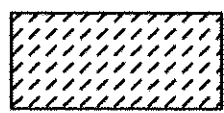
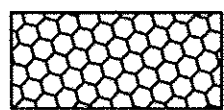



FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

EROSION AND SEDIMENT CONTROL PLAN
 STA. 186+00.00 TO STA. 191+00.00

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 30 |
| FILE NO.: 66139.01 Y- | OF 71 |



-  SEEDING CLASS 2A
MULCH METHOD 2
-  STONE RIPRAP CLASS A4
-  PERIMETER EROSION CONTROL BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION

CHAMBLIN & ASSOCIATES, INC. © 2014
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| DATE: 01/15 | | | | |

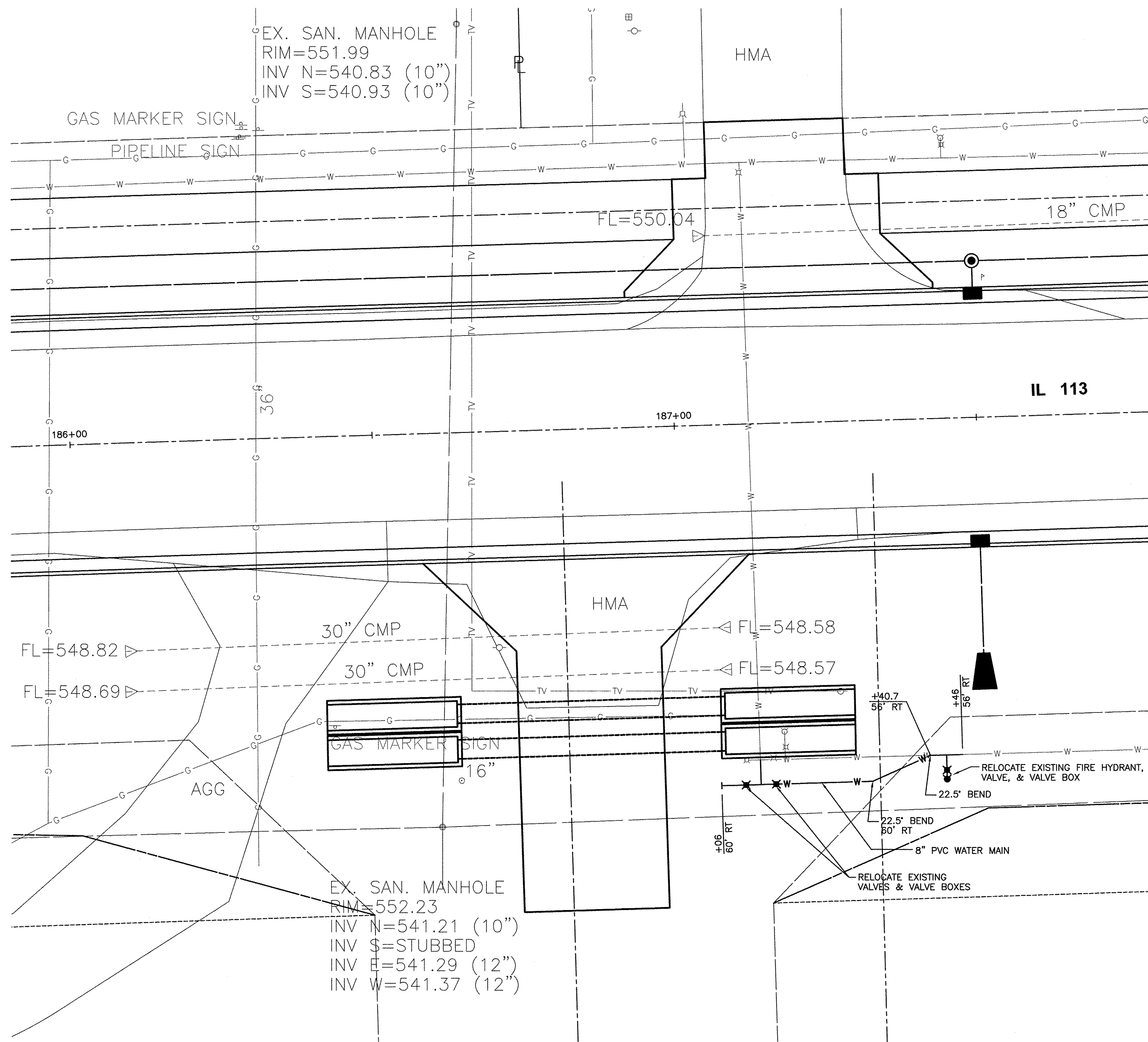
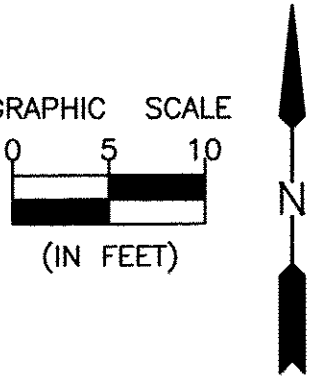
CHAMBLIN & ASSOCIATES, INC.
 PERU MORRIS
 ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

EROSION AND SEDIMENT CONTROL PLAN
 STA. 191+00.00 TO STA. 196+00.00

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 31 |
| FILE NO.: 66139.01 Y- | OF 71 |



CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Name: S:\Users\G\66109-01-IL13-EXTENSION-PHASE-1\CAD\CD\PLANS\032-HMA.dwg Last Modified: May 20, 2016 - 11:55am Plotted on: May 23, 2016 - 8:56am by jmc

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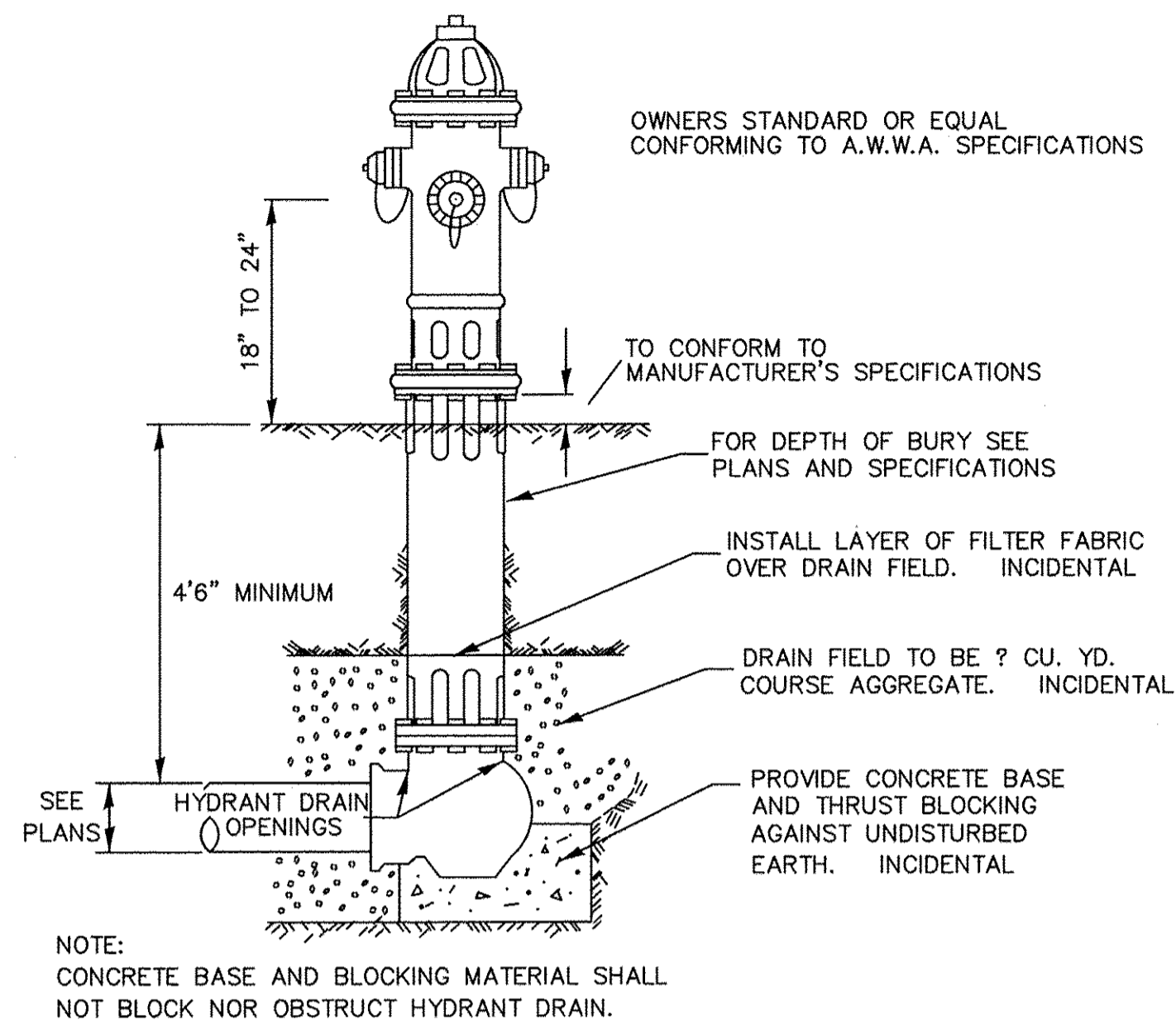
CHAMLIN & ASSOCIATES, INC.
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FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

WATER MAIN PLANS

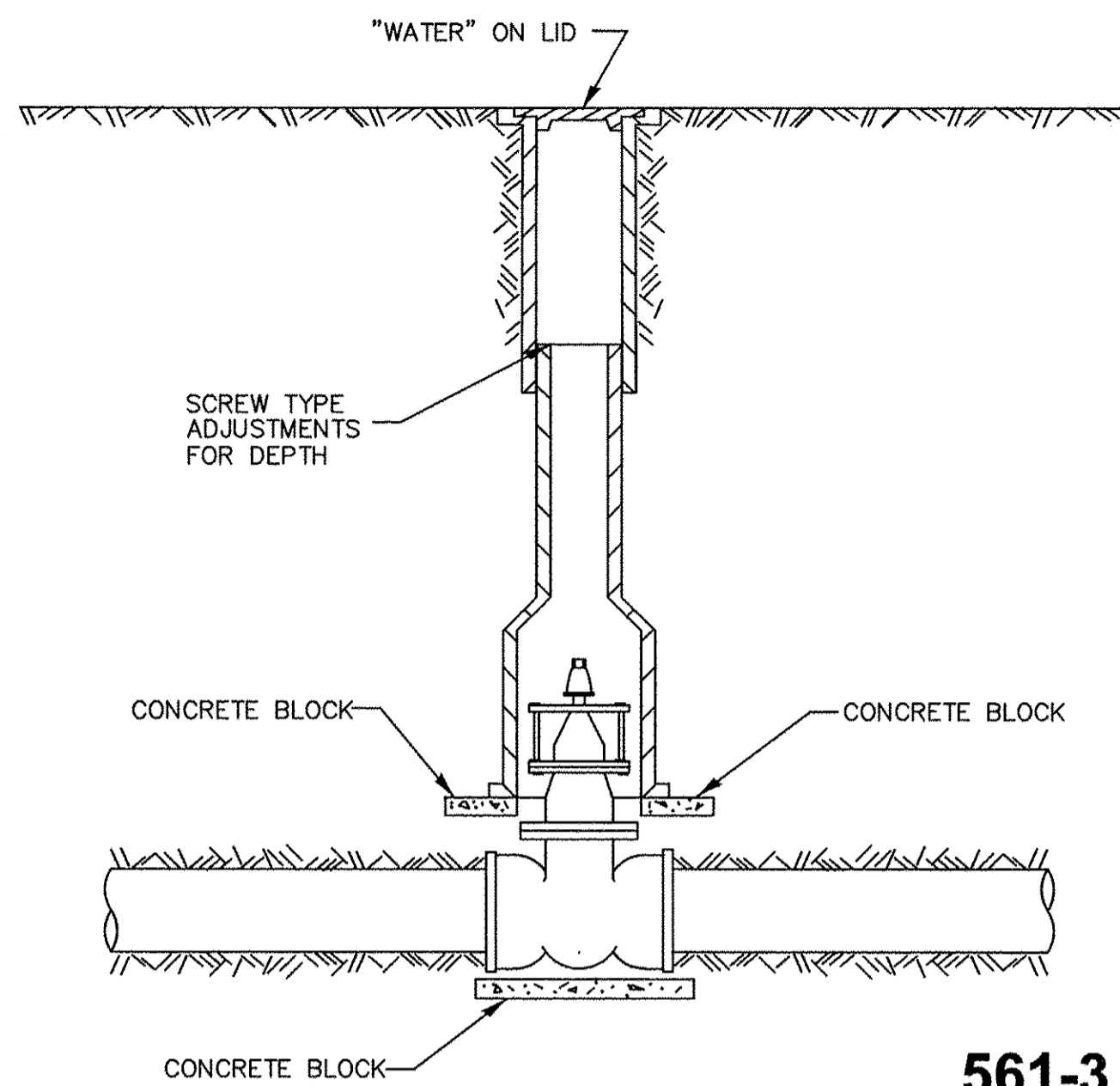
CONSTRUCTION PLANS

| | |
|---------------------------|----------|
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| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 32 |
| FILE NO.: 66139.01 Y- | OF 71 |



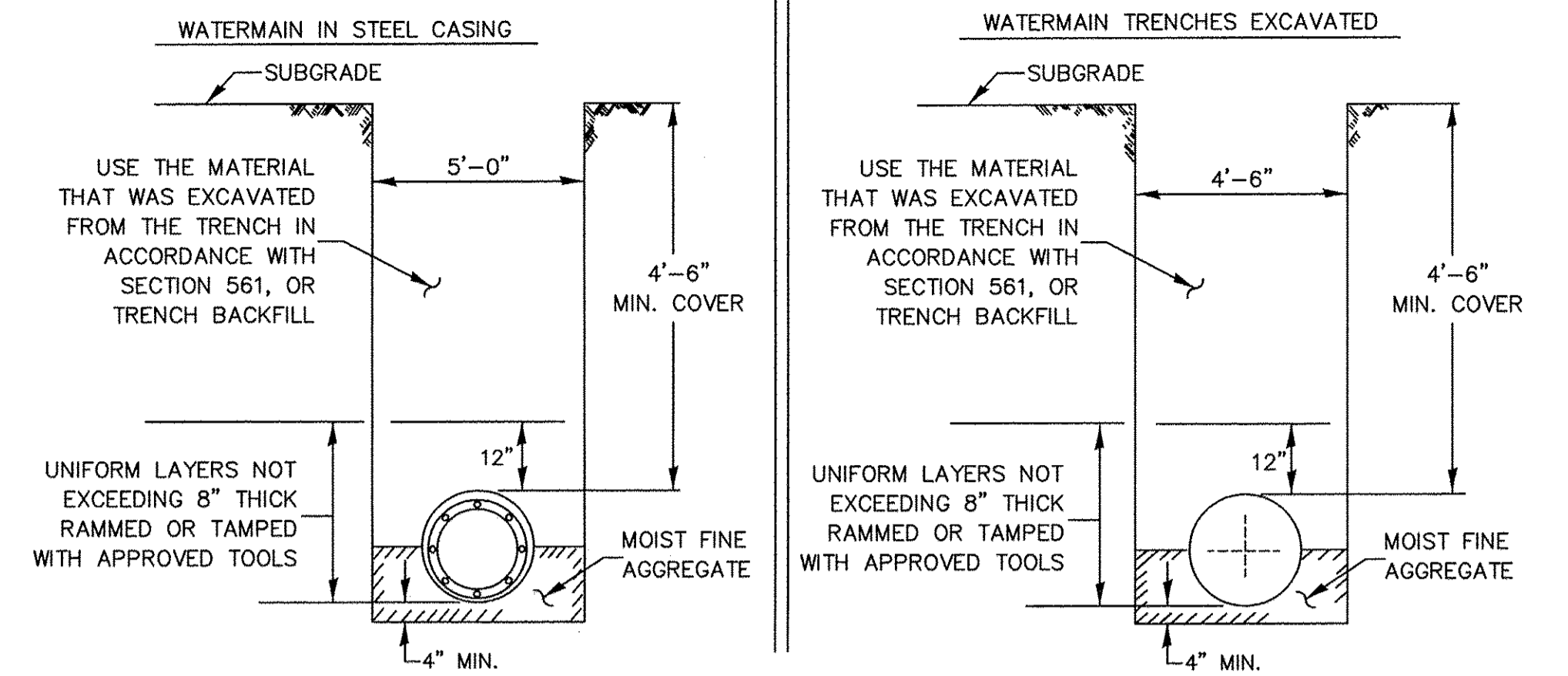
TYPICAL HYDRANT INSTALLATION

561-1



561-3

TYPICAL VALVE BOX INSTALLATION



GENERAL NOTES:

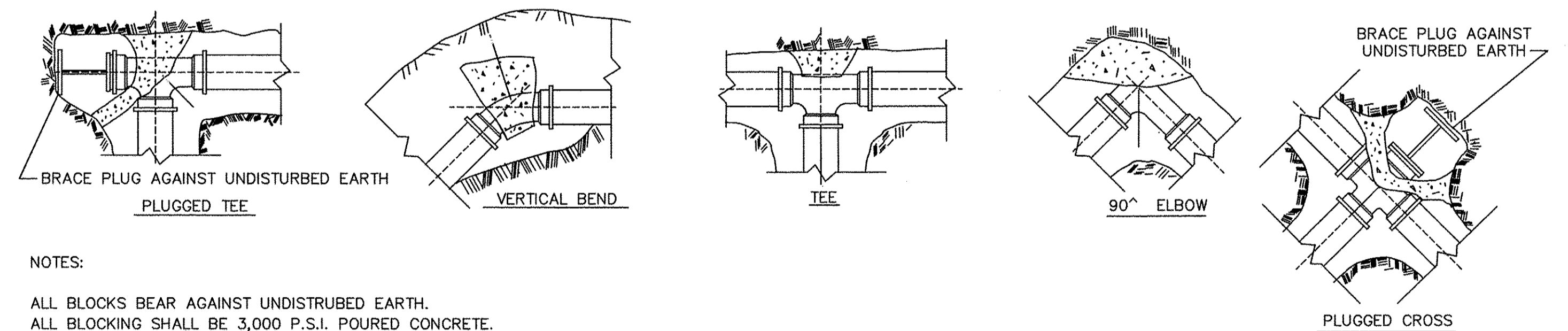
1. ANY SOFT OR SPONGY MATERIAL ENCOUNTERED BELOW THE ELEVATION OF THE PIPE SHALL BE REMOVED AND REPLACED WITH WELL COMPACTED MOIST FINE AGGREGATE.
2. ANY ROCK ENCOUNTERED IN THE TRENCH SHALL BE REMOVED TO A DEPTH OF AT LEAST 8 INCHES BELOW THE PIPE GRADE AND REPLACED WITH WELL COMPACTED MOIST FINE AGGREGATE.
3. THE SIDES OF THE TRENCH MAY BE SLOPED OR BENCHED ABOVE A 5 FT. TRENCH DEPTH OR ABOVE THE ELEVATION OR THE TOP OF PIPE, WHICHEVER IS GREATER, IN LIEU OF COMPLETE SHORING OR SHEETING OF THE FULL TRENCH DEPTH.

BACKFILL OPTIONS:

- METHOD 1: UNIFORM LAYERS NOT EXCEEDING 12" THICK RAMMED OR TAMPED WITH APPROVED TOOLS
- METHOD 2: UNIFORM LAYERS NOT EXCEEDING 12" THICK INUNDATED OR DEPOSITED IN WATER
- METHOD 3: FILL TRENCH WITH LOOSE MATERIAL THEN JET WITH WATER, 6 FT MINIMUM SPACING OF HOLES

561-4

WATERMAIN INSTALLATION REQUIREMENTS



NOTES:

- ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
- ALL BLOCKING SHALL BE 3,000 P.S.I. POURED CONCRETE.
- ARROWS INDICATE DIRECTION OF THRUST.
- ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

TYPICAL THRUST BLOCK INSTALLATIONS

561-5

CHAMLIN & ASSOCIATES, INC. © 2014. Drawing Number: 66139-01-01-13-EXTENSION-PHASE-1A-CAD(CAD)PLANS\033-WM-DTS.dwg User: JKC Modified: Sep 15, 2015 1:32pm Plotted on: May 18, 2016 3:02pm by nstacy

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| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

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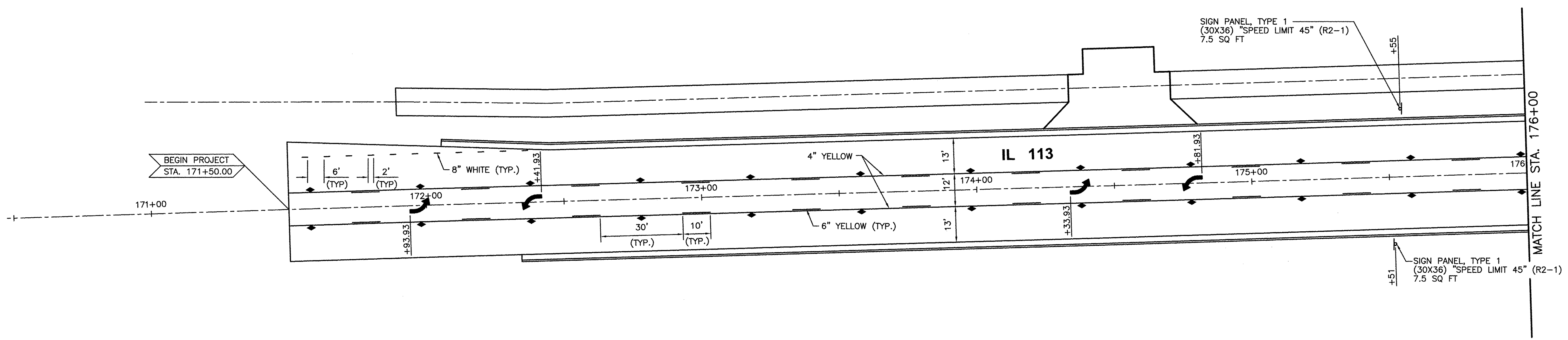
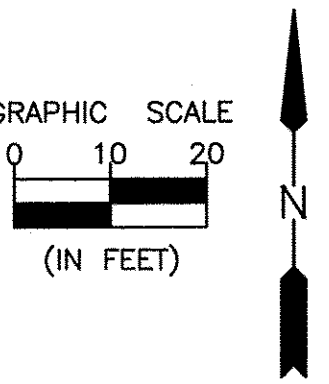
FAU 383 SECTION 14-00010-00-WR VILLAGE OF DIAMOND WILL COUNTY

WATER MAIN PLANS

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 33 |
| FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606



LEGEND

- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER
- ▲ TRAFFIC SIGN

SEE HIGHWAY STANDARD 781001

CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Number: S:\Users\jmorris\OneDrive\Projects\14-00010-00-VR\14-00010-00-VR-176.dwg Last Modified: May 20, 2016 11:58am Plotted on: May 23, 2016 8:57am by jmorris

| DRAWN BY: NV | REVISIONS | | | |
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| CHECKED BY: JKC | | | | |
| DATE: 01/15 | | | | |

CHAMLIN
 ASSOCIATES, INC.

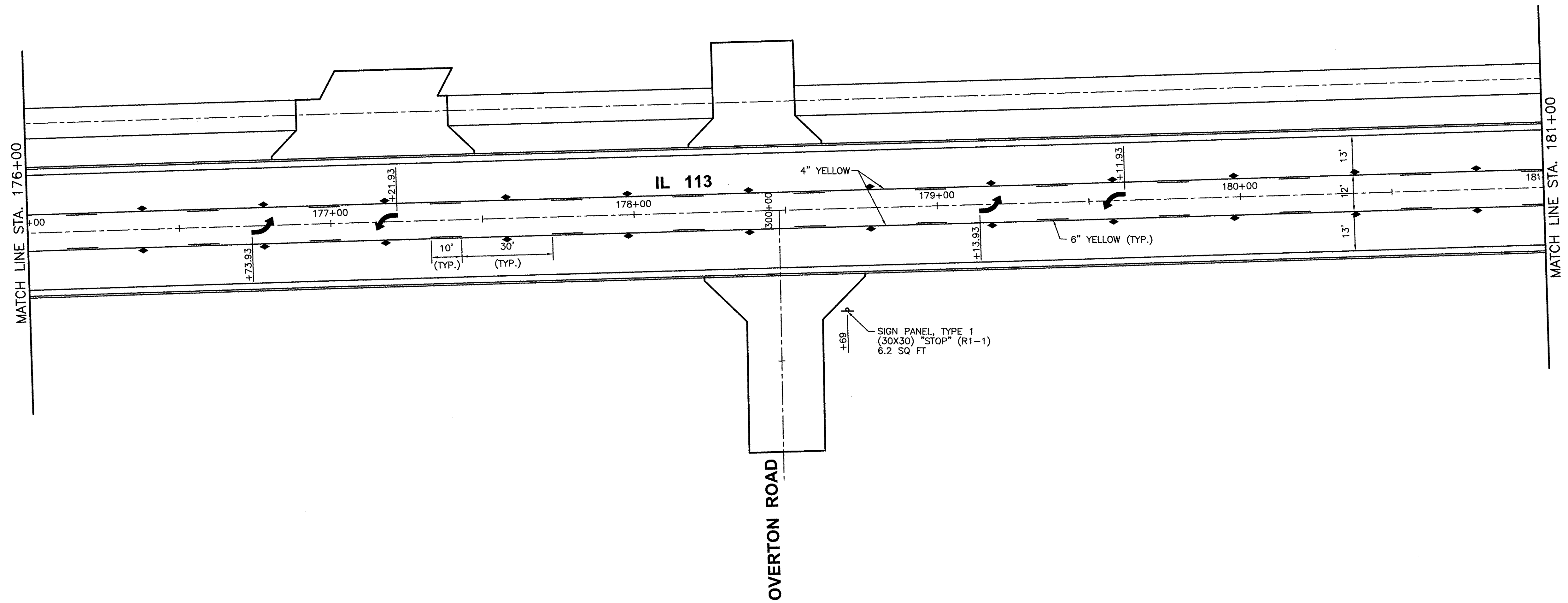
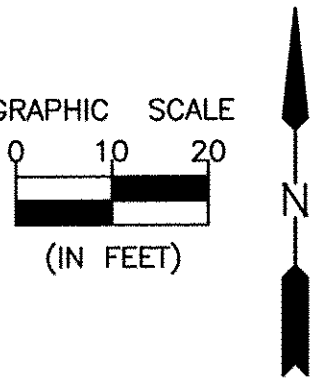
PERU MORRIS
 ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

PAVEMENT MARKING AND SIGN PLAN
 STA. 171+00.00 TO STA. 176+00.00

CONSTRUCTION PLANS

| | | |
|---------------------------|----------|--------------------|
| CURRENT AS OF: 05/18/2016 | | CONTRACT NO. 87606 |
| SCALE: AS NOTED | SHEET 34 | |
| FILE NO.: 66139.01 | Y- | OF 71 |



LEGEND

- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER
- ⊥ TRAFFIC SIGN

SEE HIGHWAY STANDARD 781001

CHAMLIN & ASSOCIATES, INC. © 2014
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| DATE: 01/15 | | | | |

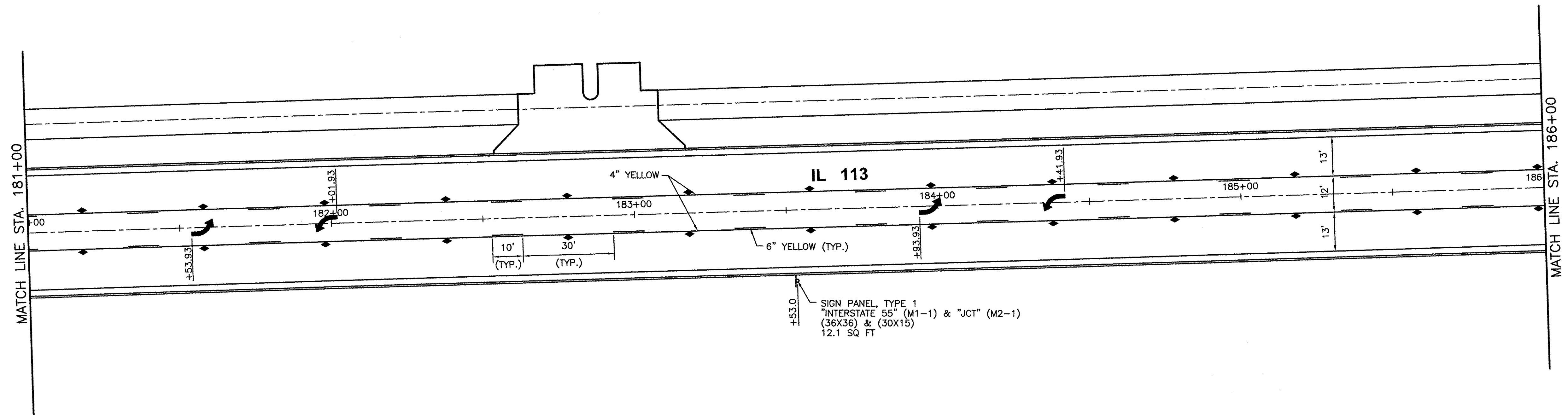
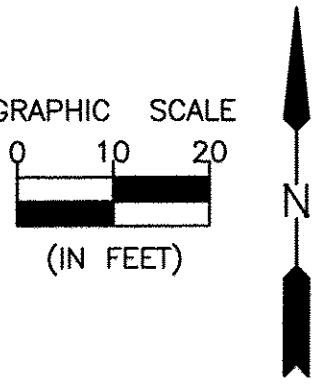

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS
 ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

PAVEMENT MARKING AND SIGN PLAN
STA. 176+00.00 TO STA. 181+00.00

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 35 |
| FILE NO.: 66139.01 Y- | OF 71 |



- LEGEND**
- ▶ ONE-WAY AMBER MARKER
 - ▷ ONE-WAY CRYSTAL MARKER
 - ◆ TWO-WAY AMBER MARKER
 - ▬ TRAFFIC SIGN
- SEE HIGHWAY STANDARD 781001

CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Name: G:\Users\G\66139-01-113-EXTENSION-PAUSE-A\CAD\PLANS\036-PWK-181-186.dwg Last Modified: May 20, 2016 - 11:58am Plotted on: May 23, 2016 - 8:59am by jmc

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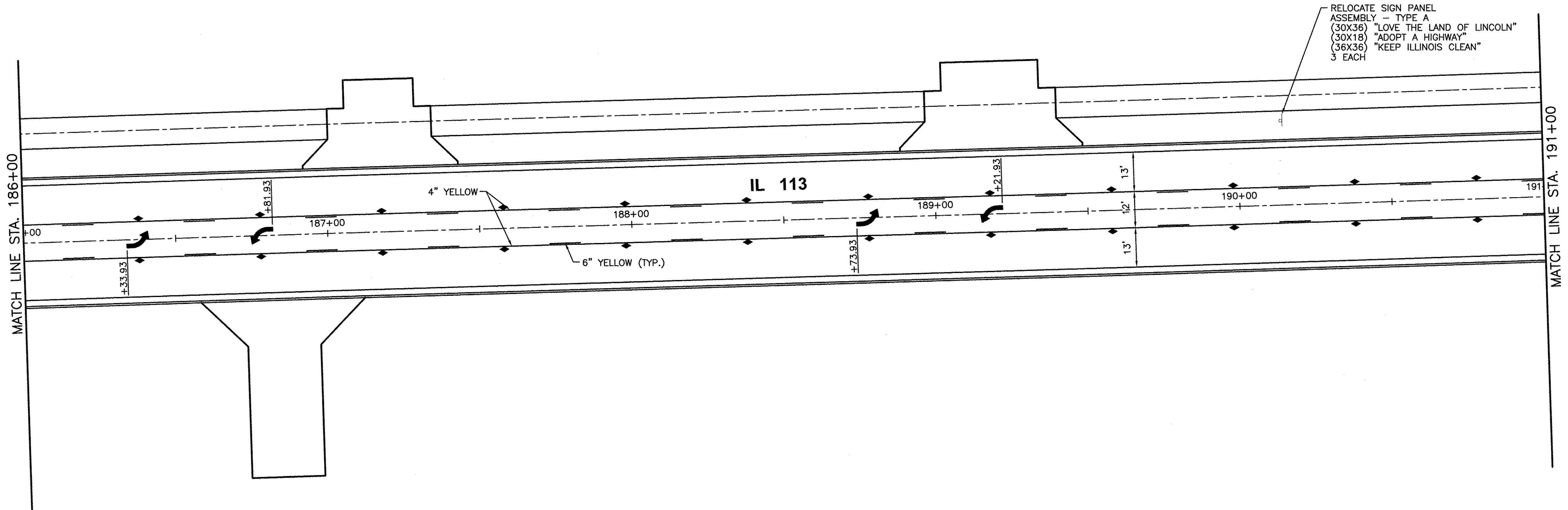
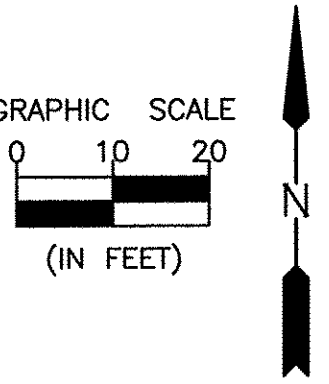
CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS
 ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

PAVEMENT MARKING AND SIGN PLAN
 STA. 181+00.00 TO STA. 186+00.00

CONSTRUCTION PLANS

| | | |
|---------------------------|----------|--------------------|
| CURRENT AS OF: 05/18/2016 | | CONTRACT NO. 87606 |
| SCALE: AS NOTED | SHEET 36 | |
| FILE NO.: 66139.01 Y- | OF 71 | |



RELOCATE SIGN PANEL
 ASSEMBLY - TYPE A
 (30X36) "LOVE THE LAND OF LINCOLN"
 (30X18) "ADOPT A HIGHWAY"
 (36X36) "KEEP ILLINOIS CLEAN"
 3 EACH

LEGEND

- ▶ ONE-WAY AMBER MARKER
- ▽ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER
- ▲ TRAFFIC SIGN

SEE HIGHWAY STANDARD 781001

CHAMBLIN & ASSOCIATES, INC. © 2014
 Drawing Name: G:\Users\jgibson\OneDrive\Work\14-00010-00-VR\14-00010-00-VR-191-191-113-EXTENSION-PAVE-MARKING-PLAN\14-00010-00-VR-191-191-113-EXTENSION-PAVE-MARKING-PLAN.dwg
 Date: 01/15/2016 11:58am
 Plotter: HP DesignJet 5000PS
 Plot Size: 36x48 inches
 Plot Scale: 1/8" = 1'-0"

| DRAWN BY: NV | REVISIONS | | |
|-----------------|-----------|----|------|
| | LEVEL | BY | DATE |
| CHECKED BY: JKC | | | |
| DATE: 01/15 | | | |

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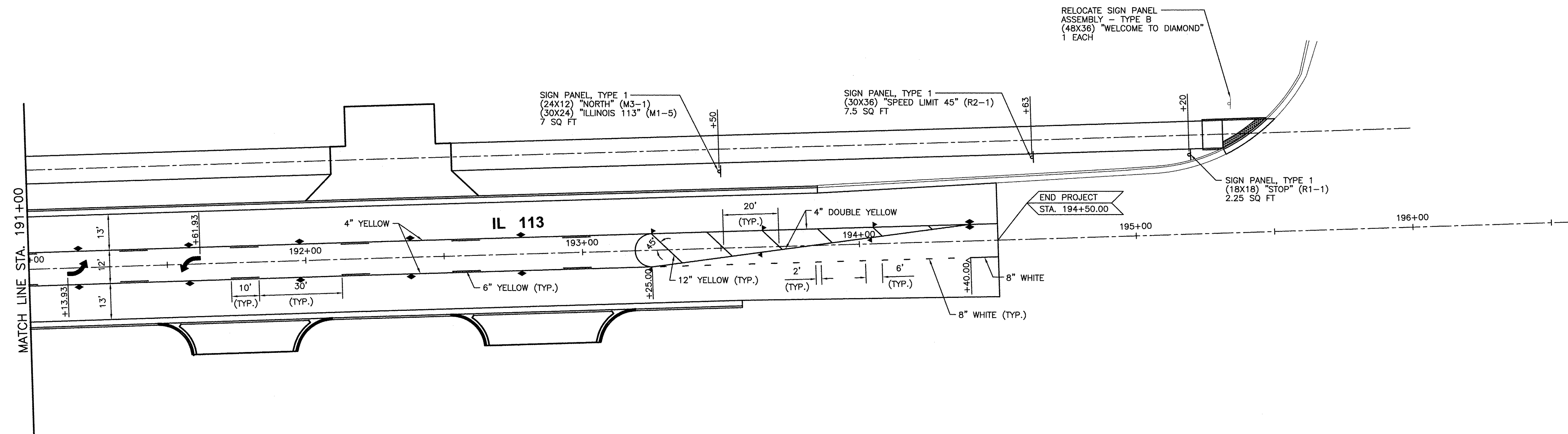
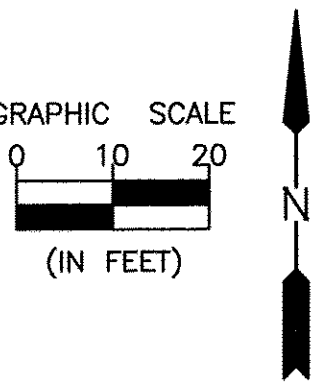
FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

PAVEMENT MARKING AND SIGN PLAN
STA. 186+00.00 TO STA. 191+00.00

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 37 |
| FILE NO.: 66139.01 Y- | OF 71 |

CONTRACT NO. 87606



- LEGEND**
- ▶ ONE-WAY AMBER MARKER
 - ▽ ONE-WAY CRYSTAL MARKER
 - ◆ TWO-WAY AMBER MARKER
 - ▲ TRAFFIC SIGN
- SEE HIGHWAY STANDARD 781001

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 Drawing Name: C:\Users\jmorris\OneDrive\Documents\CHAMLIN\PLANS\038-PWK-191-196.dwg Last Modified: May 20, 2016 - 11:58am Plotted on: May 23, 2016 - 9:01am by jmc

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| | LEVEL | BY | DATE | DESCRIPTION |
| CHECKED BY: JKC | | | | |
| DATE: 01/15 | | | | |

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FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

PAVEMENT MARKING AND SIGN PLAN
 STA. 191+00.00 TO STA. 196+00.00

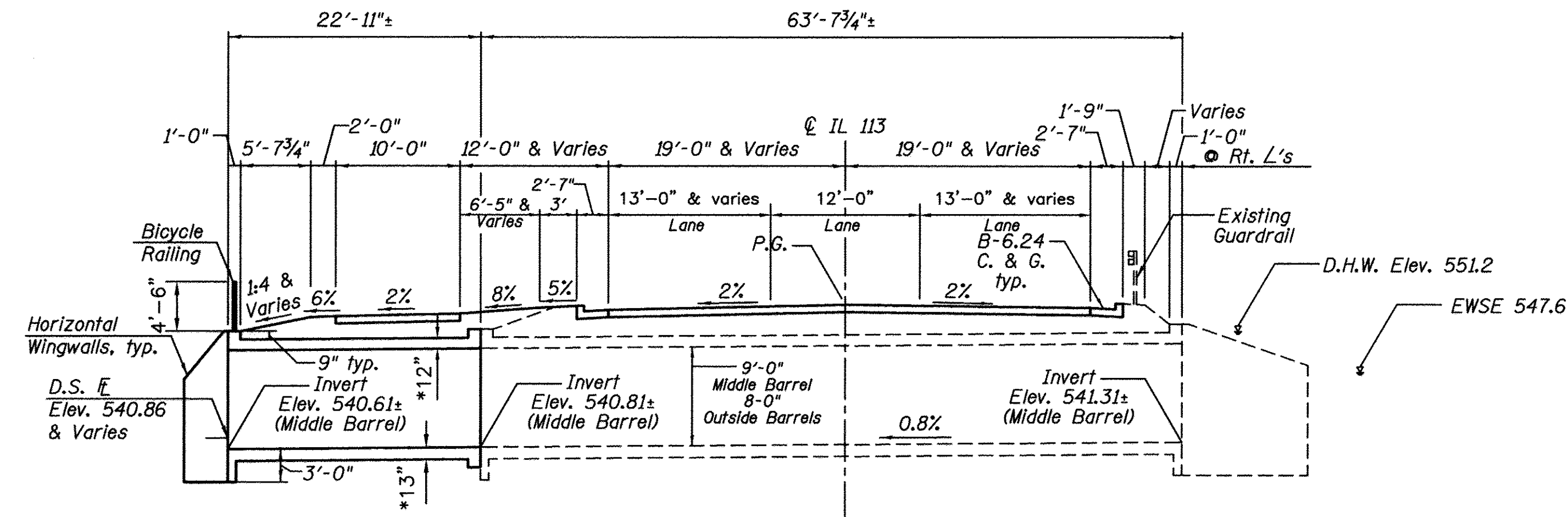
CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 38 |
| FILE NO.: 66139.01 Y- | OF 71 |

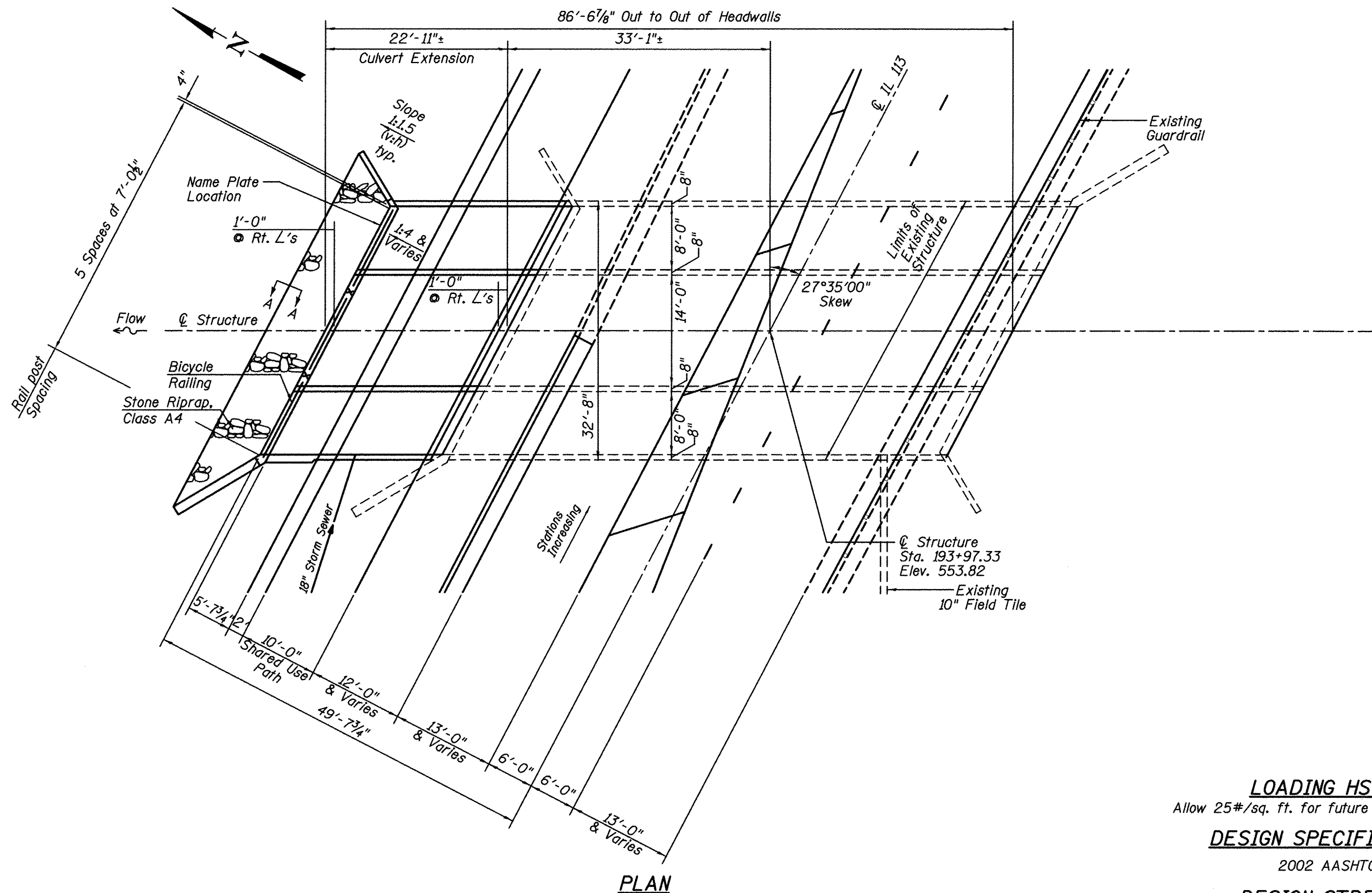
Benchmark "A"-Chiseled "□" in north leg of Shell sign pole base, Sta. 193+23.8, 46.5' Rt., Elev. = 553.997

Existing Structure: S.N. 099-0305, built in 1993 as triple box culvert 8'x8', 14'x9', 8'x8', 63'-7 3/4" out to out of Headwall. Traffic to be maintained utilizing lane closures as necessary.

Existing Structure to be extended. Precast alternate is not allowed.



LONGITUDINAL SECTION



PLAN

WATERWAY INFORMATION

Table with columns: Flood, Freq. Yr., Discharge C.F.S., Opening Sq. Ft. (Exist., Prop.), Nat. H.W.E., Head - Ft. (Exist., Prop.), Headwater El. (Exist., Prop.).

*From Original Plans and Adjusted For Vertical Datum

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments...

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

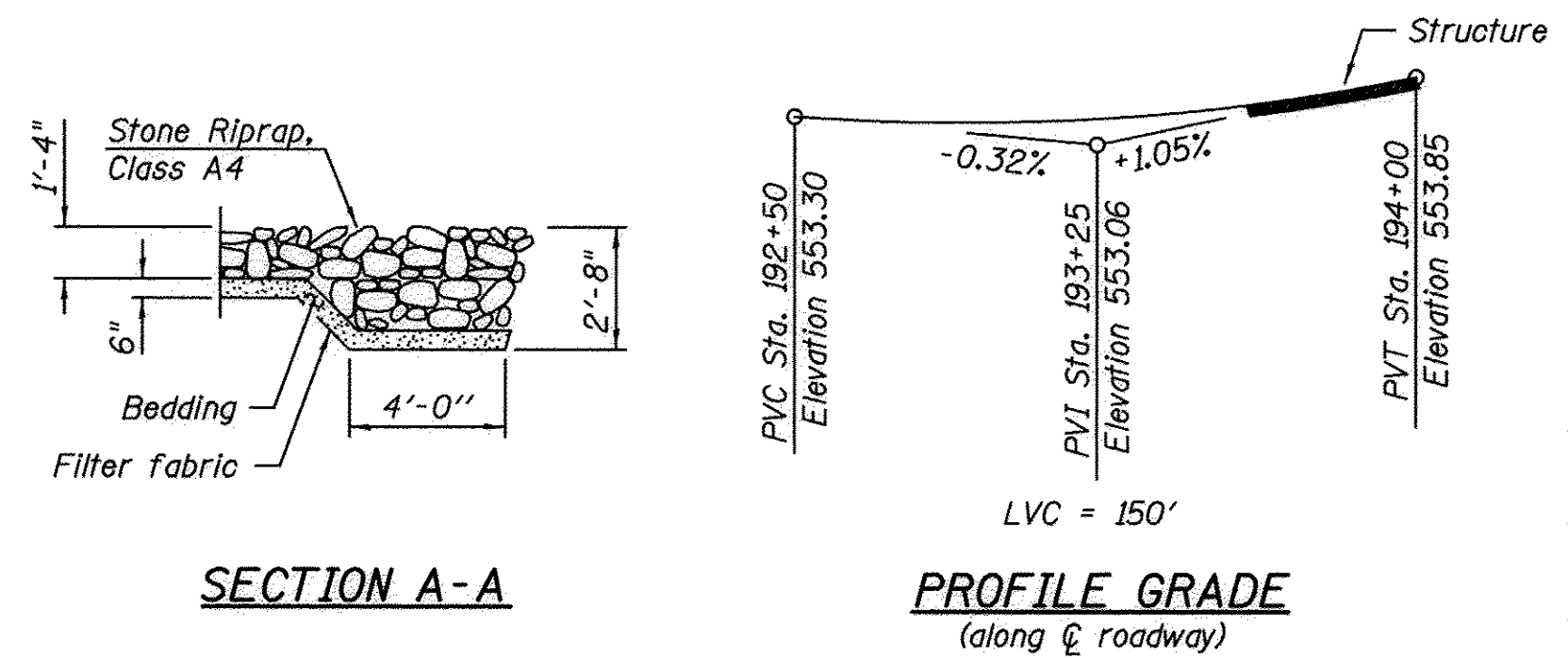
Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost Included with Name Plates.

INDEX OF SHEETS

Table with 2 columns: Sheet Number and Description (e.g., 39 General Plan & Elevation, 40 Dimensional Plans, 41 Reinforcement Plans, 42 Bicycle Railing).

CLAYPOOL DRAINAGE DITCH EXTENDED BY VILLAGE OF DIAMOND SEC. 14-00010-00-WR STA. 193+97.33 STR NO. 099-0305 LOADING HS20

NAME PLATE See Std. 515001

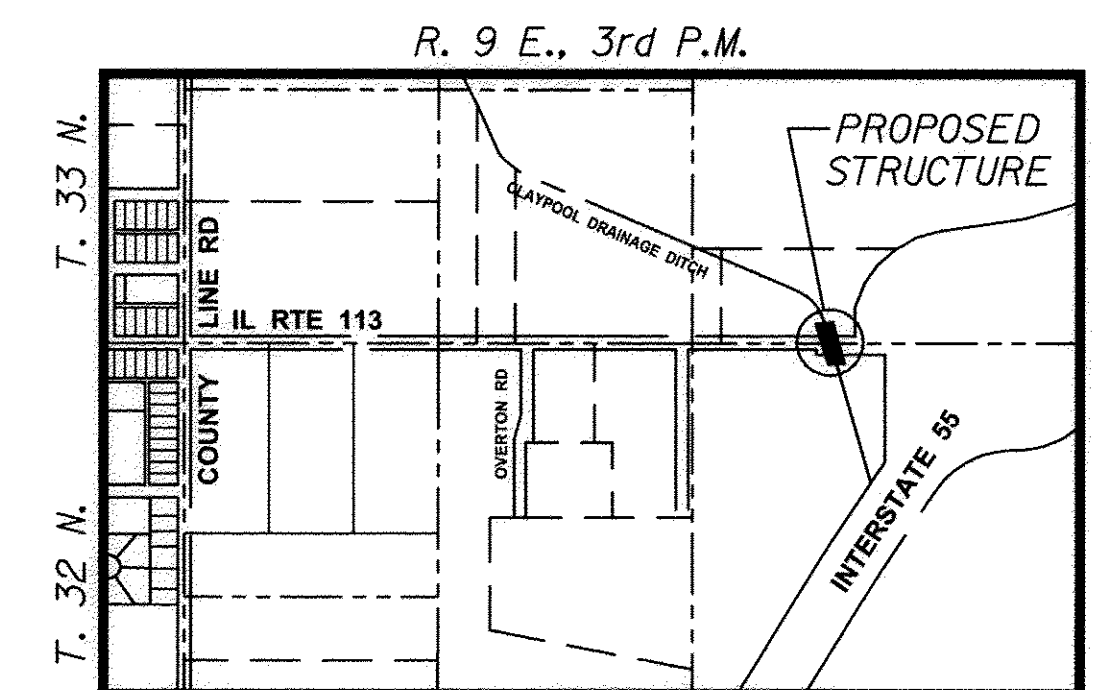


SECTION A-A

PROFILE GRADE (along centerline roadway)

TOTAL BILL OF MATERIALS

Table with 3 columns: Item, Unit, Total Quantity. Includes items like Porous Granular Embankment, Stone Riprap, Filter Fabric, etc.



LOCATION MAP

GENERAL PLAN & ELEVATION ILLINOIS ROUTE 113 OVER CLAYPOOL DRAINAGE DITCH FAU 383 SECTION 14-00010-00-WR WILL COUNTY STATION 193+97.33 STRUCTURE NO. 099-0305

LOADING HS 20 Allow 25#/sq. ft. for future wearing surface DESIGN SPECIFICATIONS 2002 AASHTO DESIGN STRESSES f'c = 3,500 psi fy = 60,000 psi (Reinforcement)

APPROVED FOR STRUCTURAL ADEQUACY ONLY Signature: [Signature] Engineer of Bridges and Structures

PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001717 Signature: [Signature] expires 11-30-2016

CHAMBLIN & ASSOCIATES, INC. © 2013

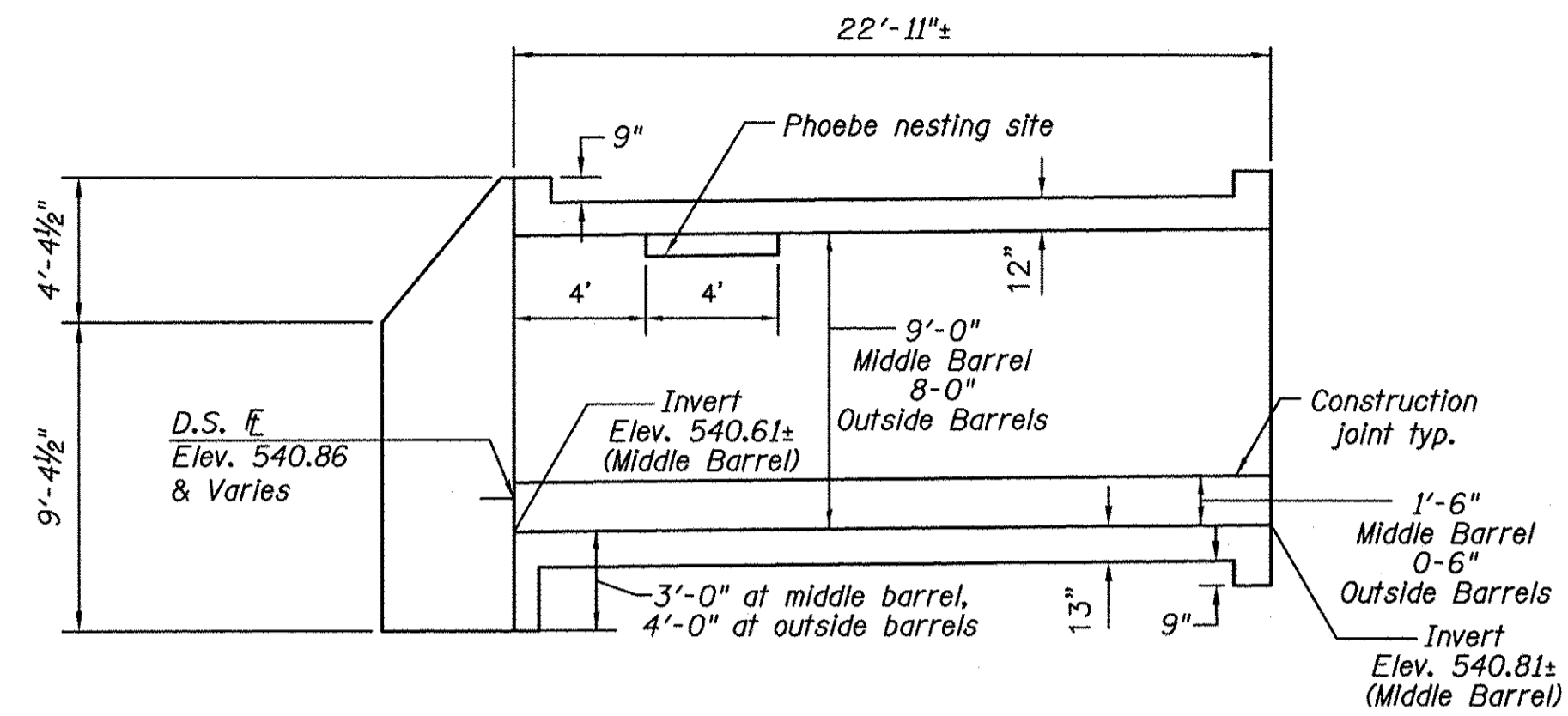
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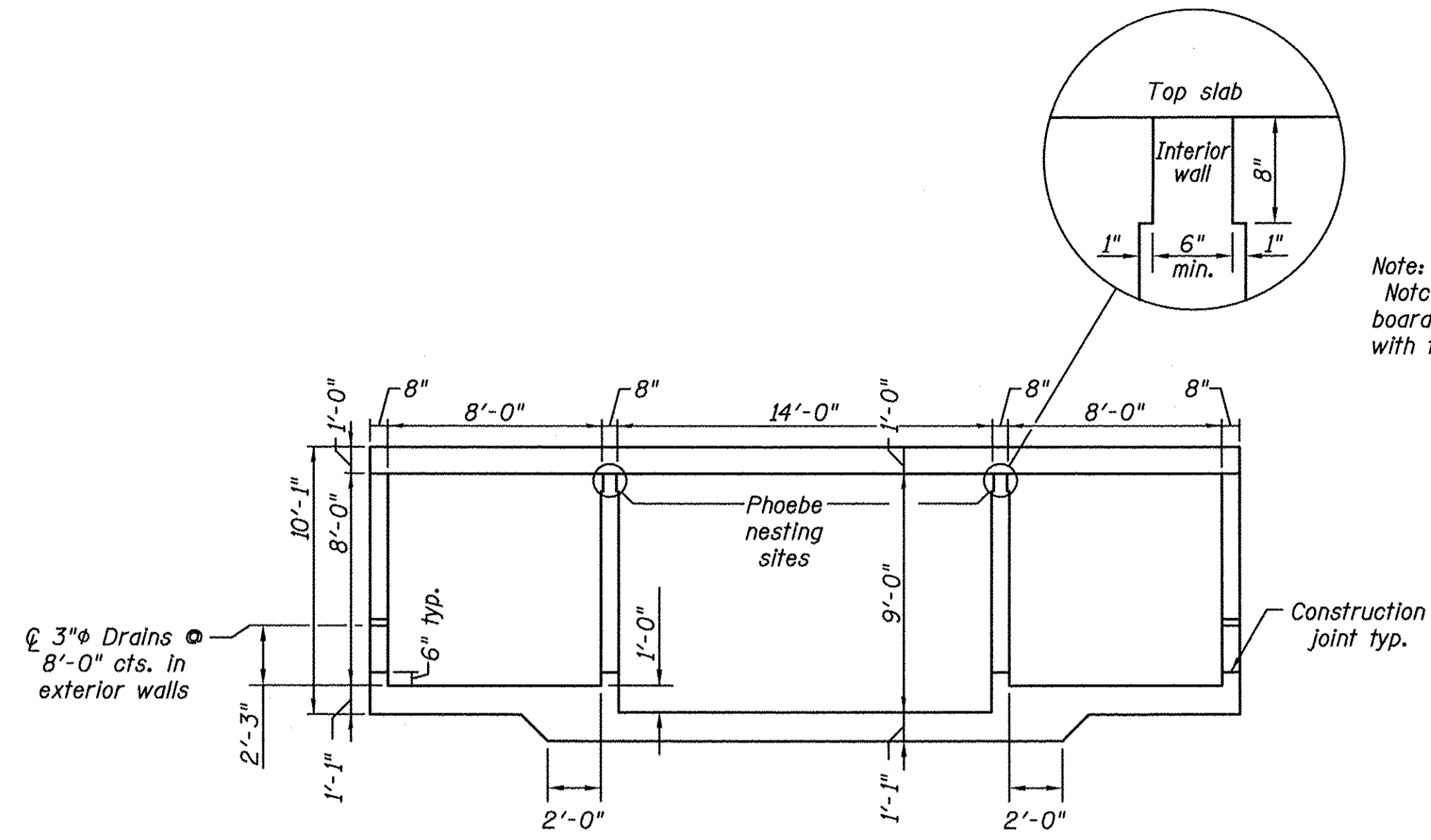
FAU 383 SECTION 14-00010-00-WR VILLAGE OF DIAMOND WILL COUNTY

GENERAL PLAN & ELEVATION CONSTRUCTION PLANS

Table with columns: CURRENT AS OF, SCALE, SHEET OF, FILE NO.

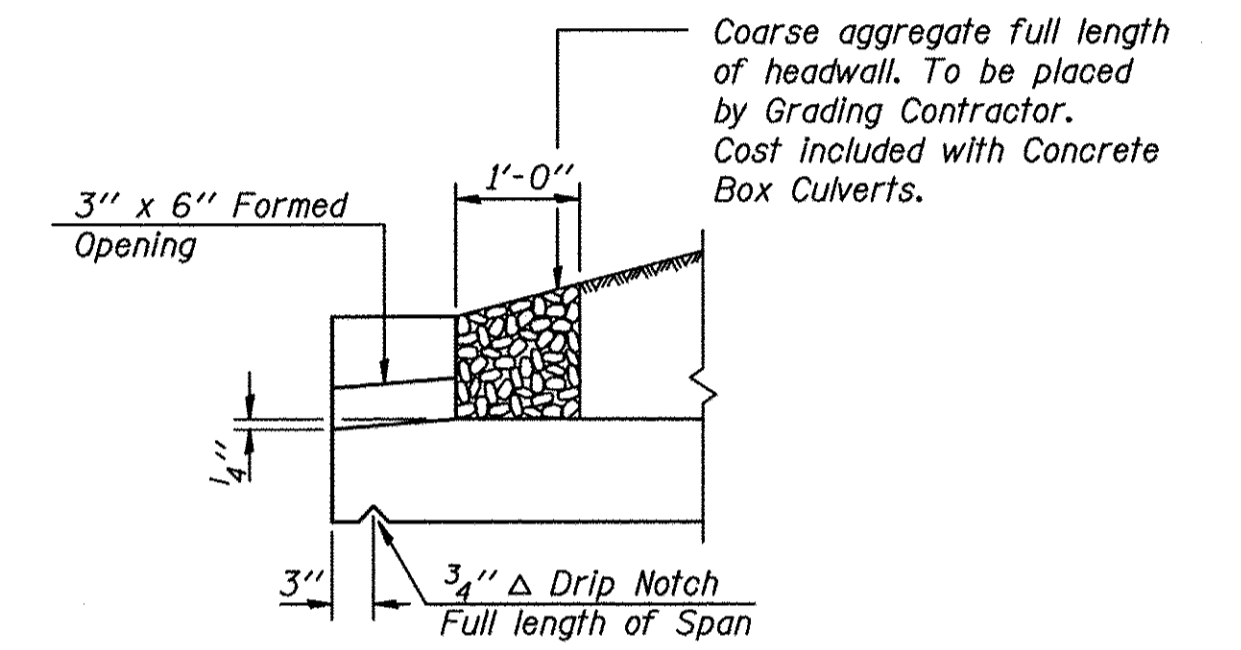


LONGITUDINAL SECTION

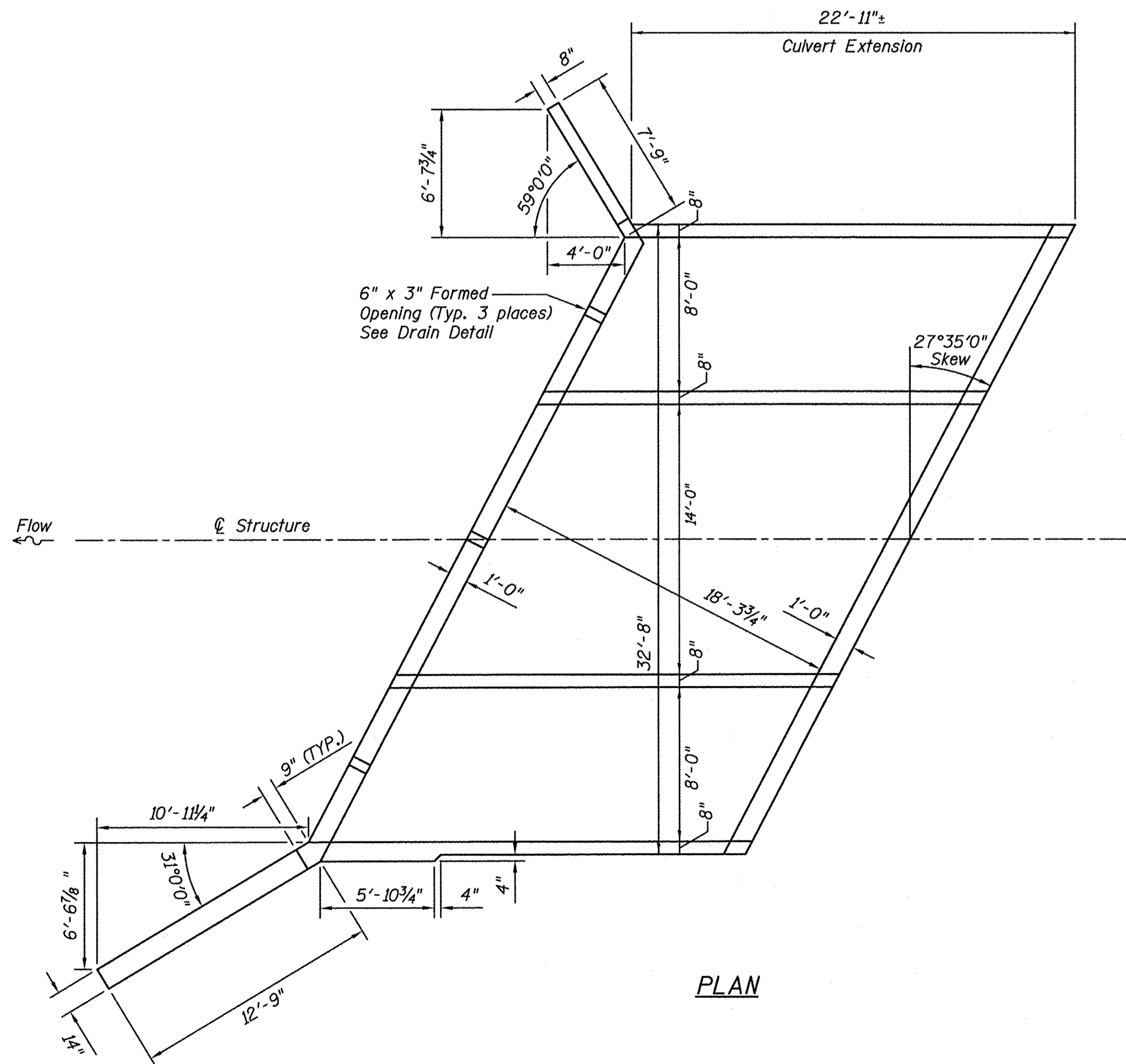


SECTION THRU BARREL

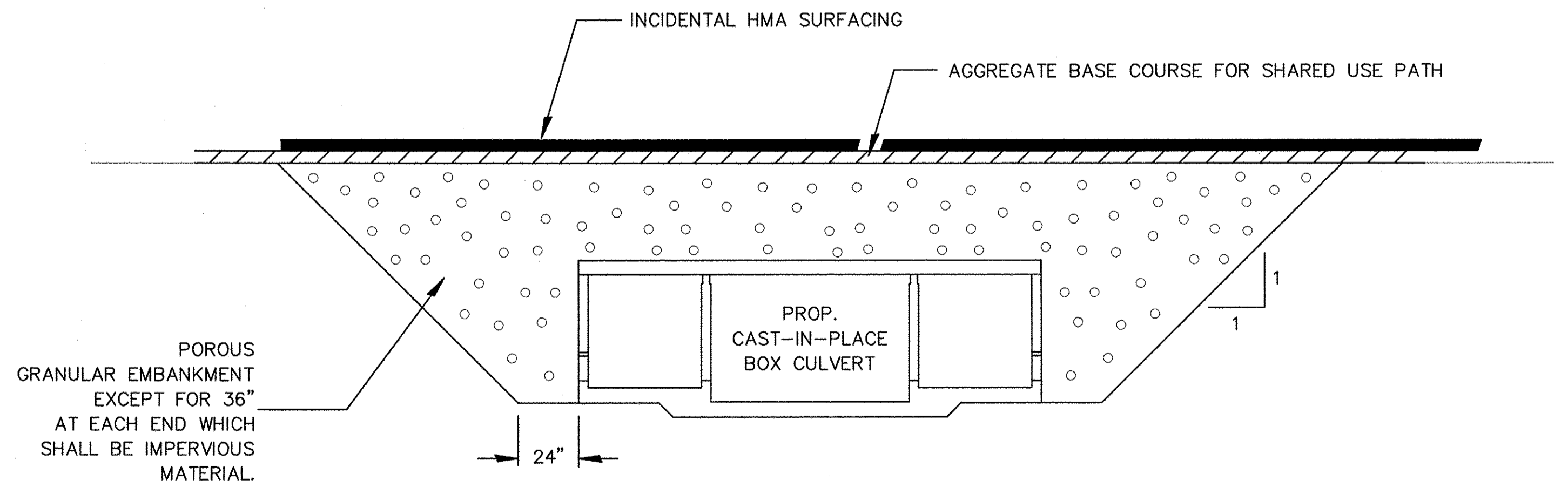
Note:
Notch formed by rough-finished board attached to and removed with formwork.



DRAIN DETAIL



PLAN



SECTION THROUGH CAST-IN-PLACE BOX CULVERT

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Drawing Name: G:\Users\jmc\OneDrive\Work\Projects\13-EXTENSION-PHASE-1\CAD\3D\PLANS\040-DIM.dwg Last Modified: May 20, 2016 - 9:35am Plotted on: May 20, 2016 - 1:06pm by jmc

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| DATE: 10/14 | | | | |

CHAMLIN & ASSOCIATES, INC.
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FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

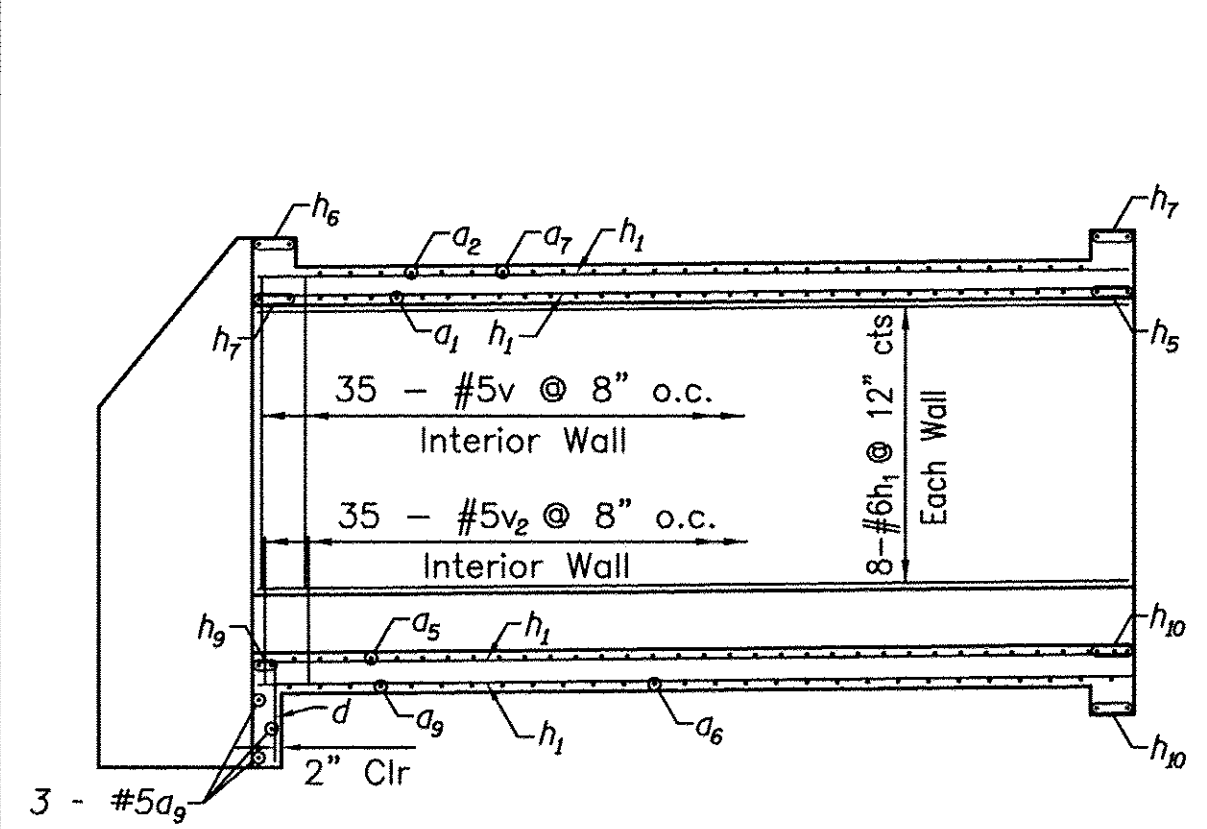
DIMENSIONAL PLANS
SN 099-0305

CONSTRUCTION PLANS

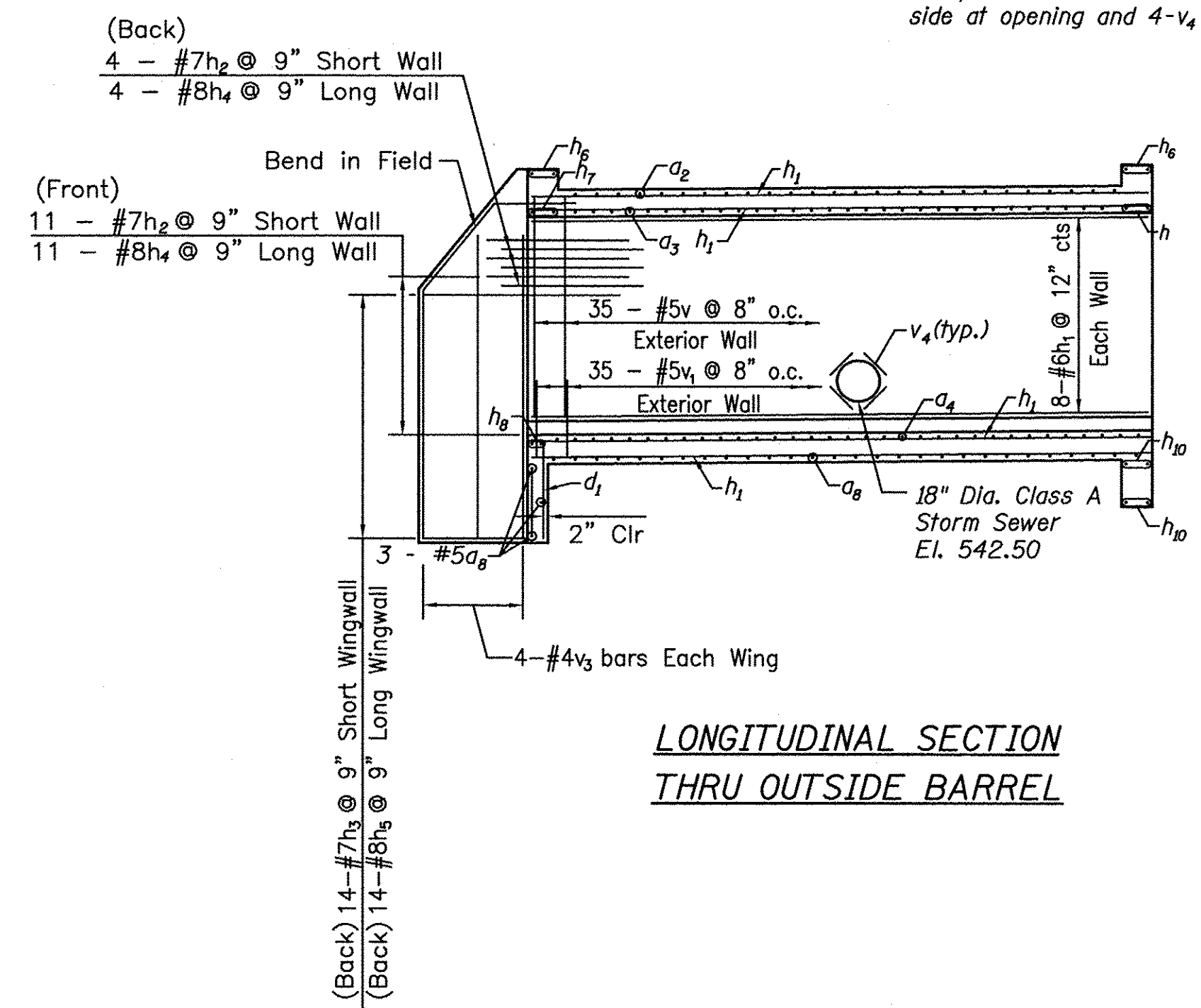
| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: 1"=5' | SHEET 40 |
| FILE NO.: 66139.01 Y- | OF 71 |

* Along the skew and centered on each barrel.

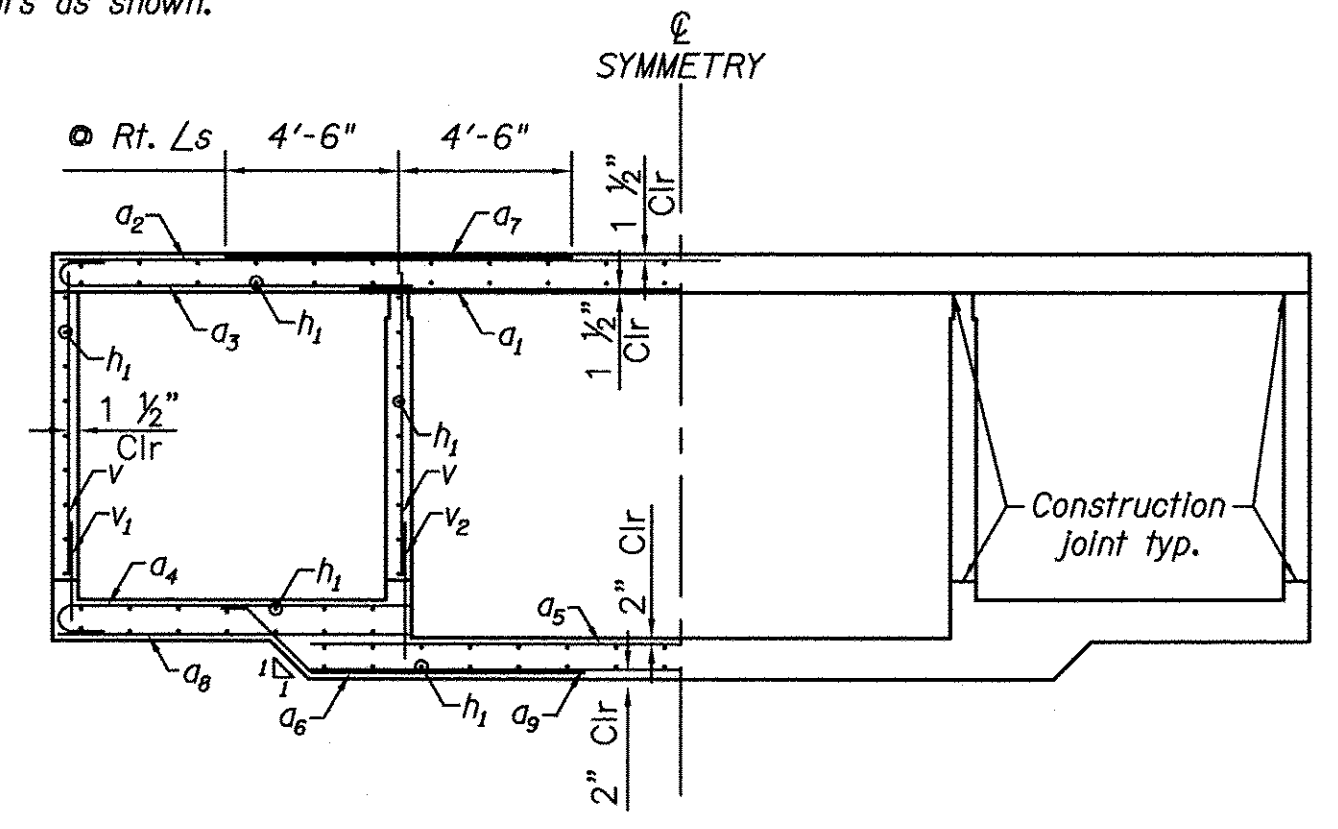
Field cut v & h₁ as necessary to miss and place one additional v bar each side at opening and 4-v₄ bars as shown.



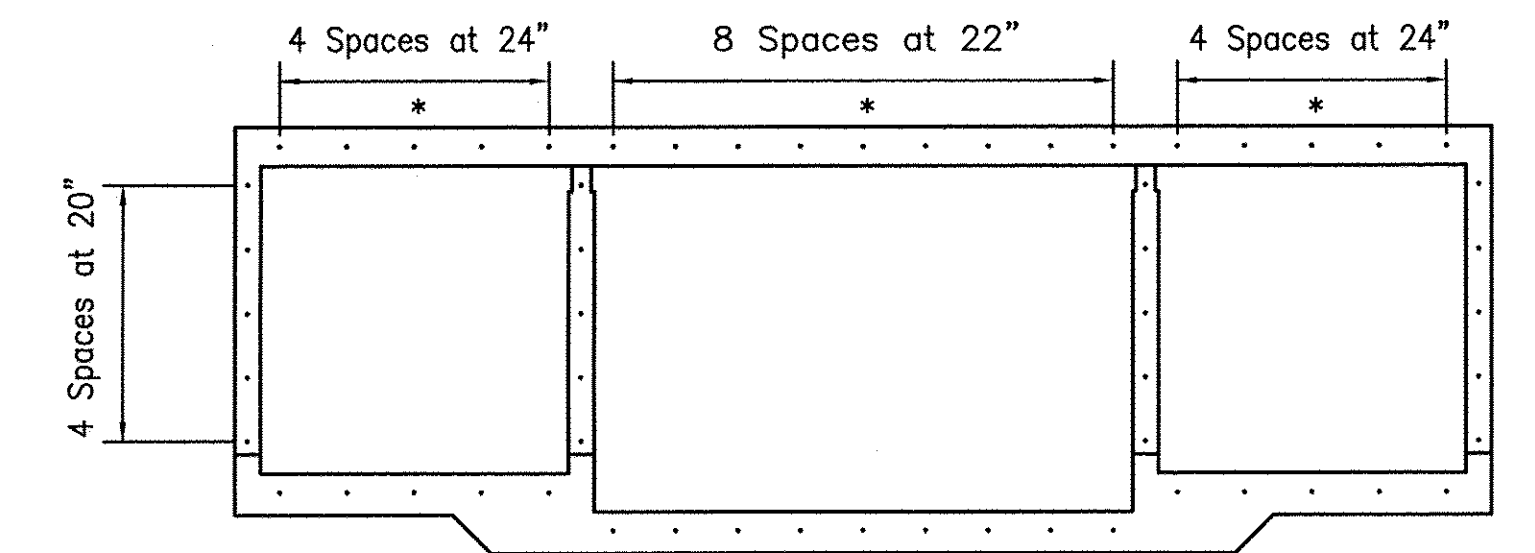
LONGITUDINAL SECTION THRU CENTER BARREL



LONGITUDINAL SECTION THRU OUTSIDE BARREL

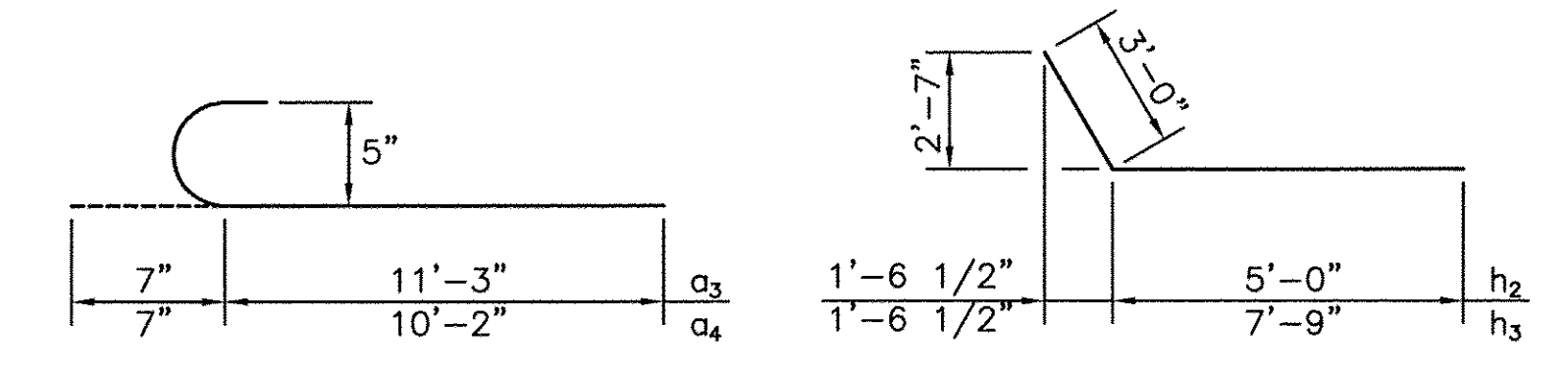


SECTION THRU BARREL

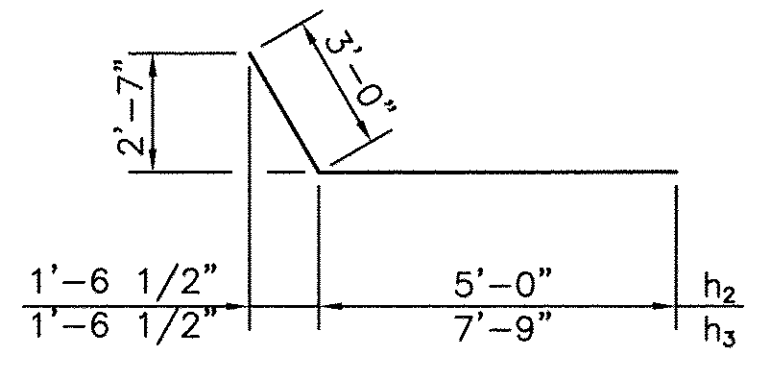


EXPANSION BOLT DETAIL
58 - 3/4\"/>

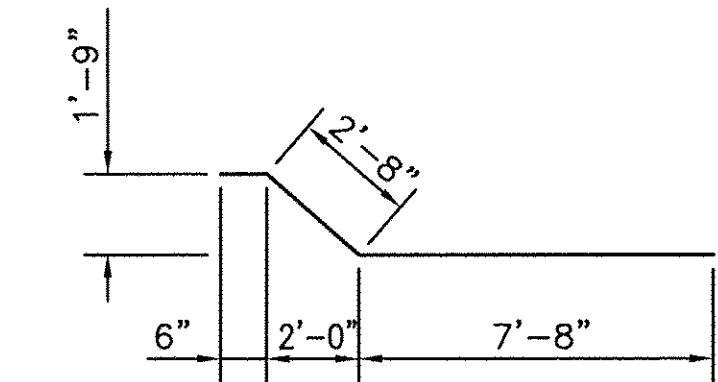
Min. Bar Lap
#5 Bar - 1'-8"
#6 Bar - 2'-0"



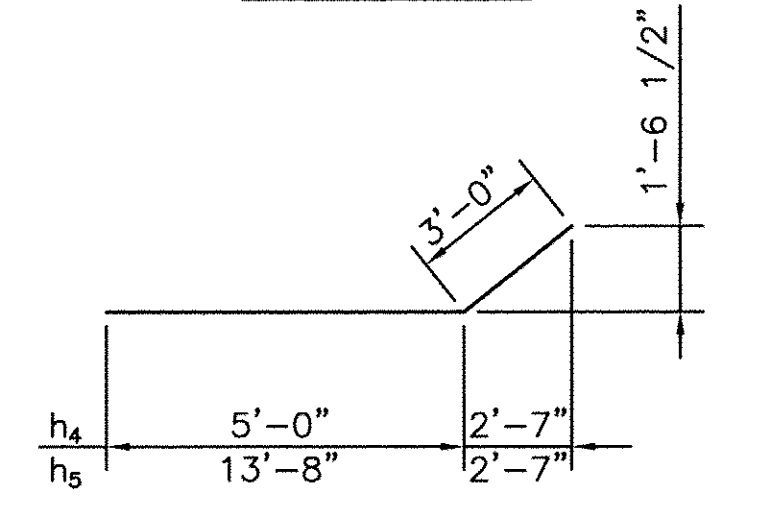
BAR a₃ & a₄



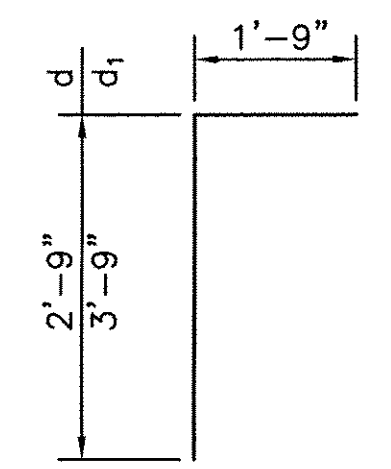
BAR h₂ & h₃



BAR a₆



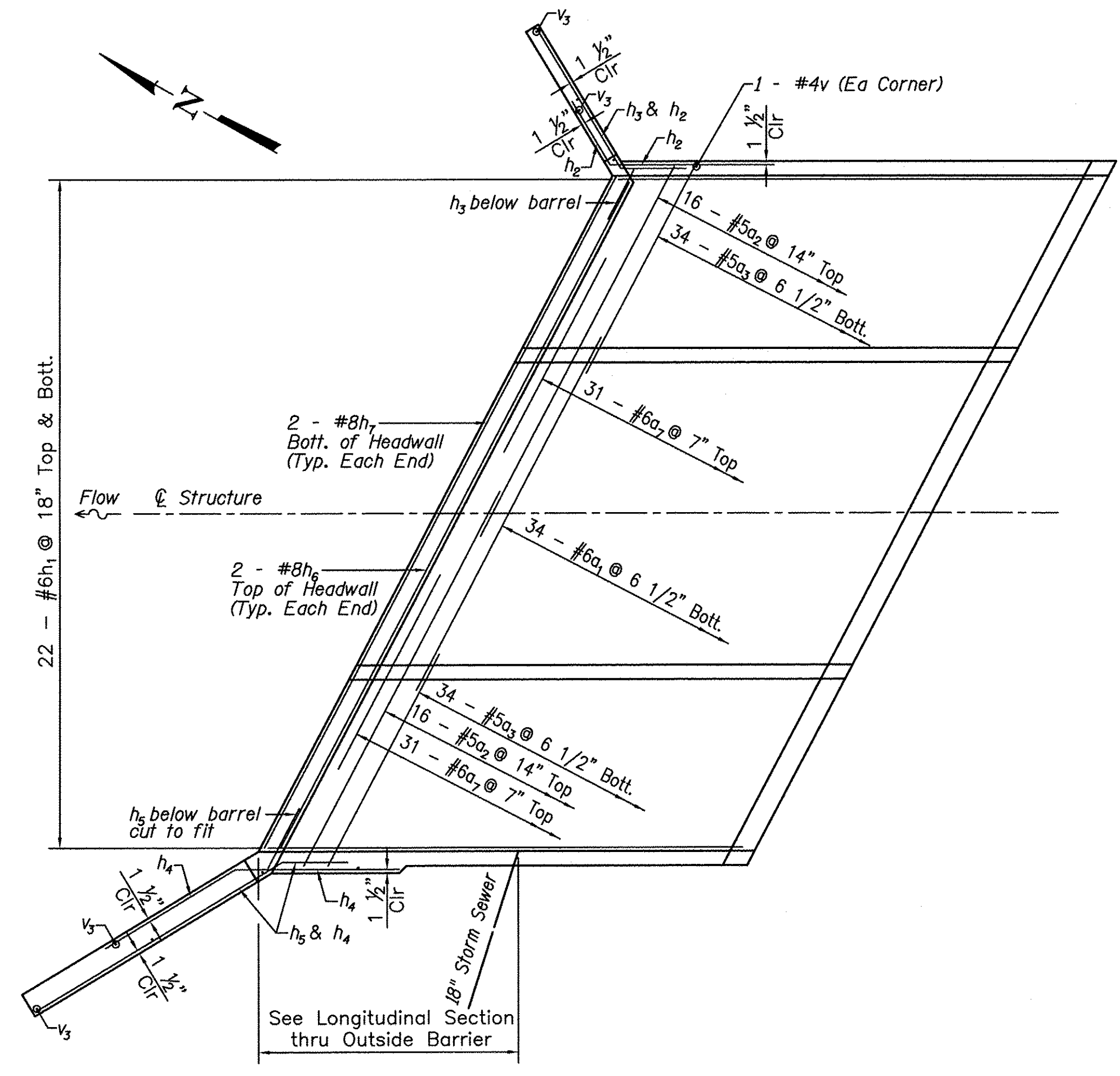
BAR h₄ & h₅



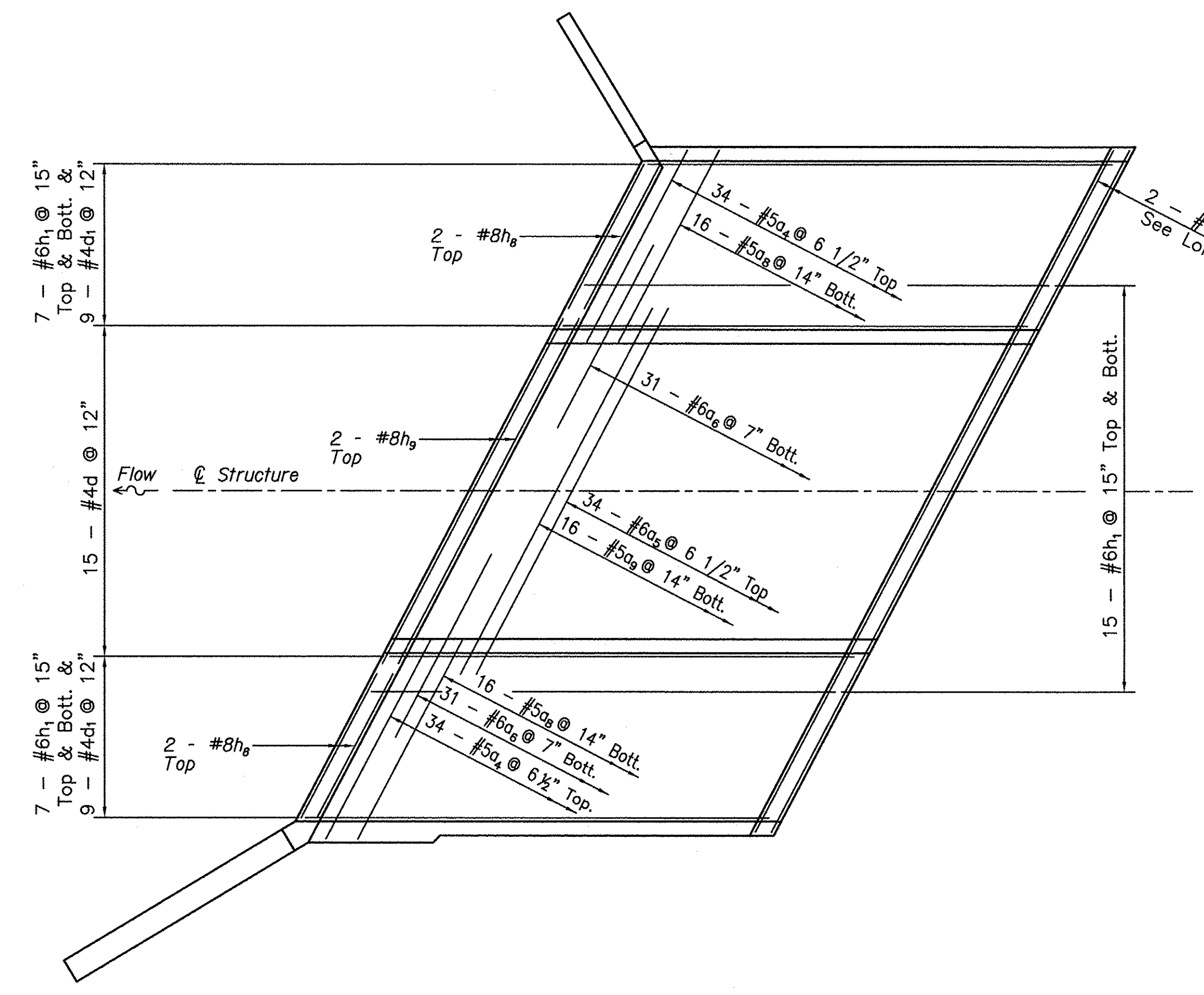
BAR d & d₁

BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|-----------------------|-----|---------|---------|-------|
| a ₁ | 34 | #6 | 36'-6" | — |
| a ₂ | 32 | #5 | 19'-1" | — |
| a ₃ | 68 | #5 | 11'-10" | — |
| a ₄ | 68 | #5 | 10'-9" | — |
| a ₅ | 34 | #6 | 21'-10" | — |
| a ₆ | 62 | #6 | 10'-10" | — |
| a ₇ | 62 | #6 | 10'-2" | — |
| a ₈ | 35 | #5 | 10'-2" | — |
| a ₉ | 19 | #5 | 21'-6" | — |
| d | 15 | #4 | 4'-6" | — |
| d ₁ | 18 | #4 | 5'-6" | — |
| h ₁ | 134 | #6 | 22'-8" | — |
| h ₂ | 15 | #7 | 8'-0" | — |
| h ₃ | 14 | #8 | 10'-9" | — |
| h ₄ | 15 | #7 | 8'-0" | — |
| h ₅ | 14 | #8 | 16'-8" | — |
| h ₆ | 4 | #8 | 36'-0" | — |
| h ₇ | 4 | #8 | 36'-6" | — |
| h ₈ | 4 | #8 | 10'-2" | — |
| h ₉ | 2 | #8 | 21'-9" | — |
| h ₁₀ | 2 | #8 | 36'-6" | — |
| v | 142 | #5 | 8'-0" | — |
| v ₁ | 70 | #5 | 2'-9" | — |
| v ₂ | 70 | #5 | 3'-9" | — |
| v ₃ | 8 | #4 | 13'-2" | — |
| v ₄ | 4 | #4 | 2'-0" | — |
| Concrete Box Culverts | | Cu. Yd. | 97.0 | |
| Reinforcement Bars | | Pound | 17090 | |



TOP SLAB REINFORCEMENT



BOTTOM SLAB REINFORCEMENT

PLAN

CHAMLIN & ASSOCIATES, INC. © 2013 Drawing Number: S:\Users\jg\Drawings\14-00010-00-01-REIN.dwg Last Modified: May 18, 2016 3:30pm Plotted on: May 20, 2016 1:05pm by jmc

| | | | | | |
|-----------------|-------|----|------|-----------|-------------|
| DRAWN BY: NOE | LEVEL | BY | DATE | REVISIONS | DESCRIPTION |
| CHECKED BY: JKC | | | | | |
| DATE: 10/14 | | | | | |

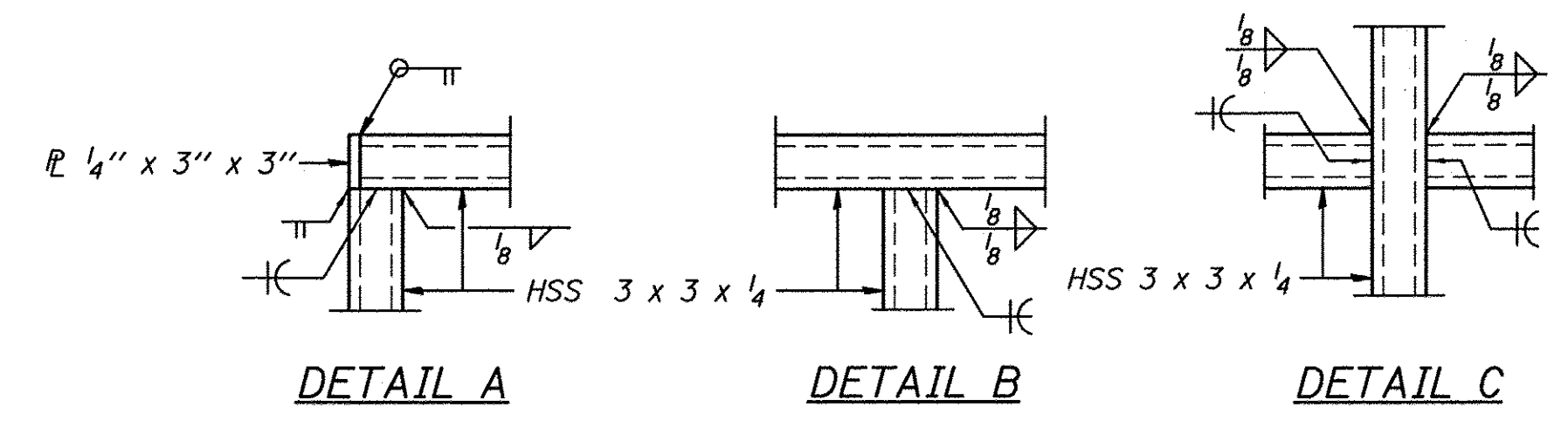
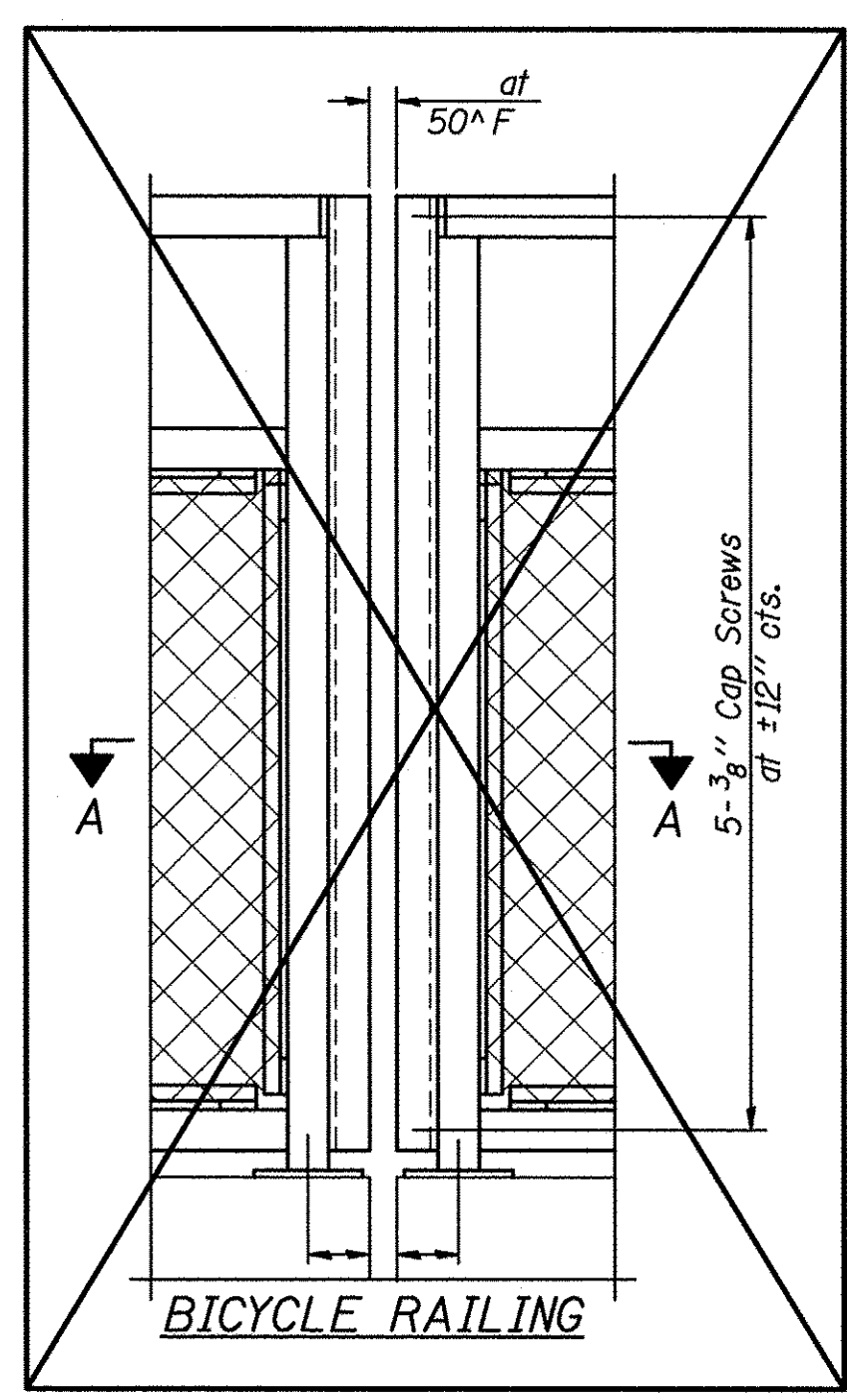
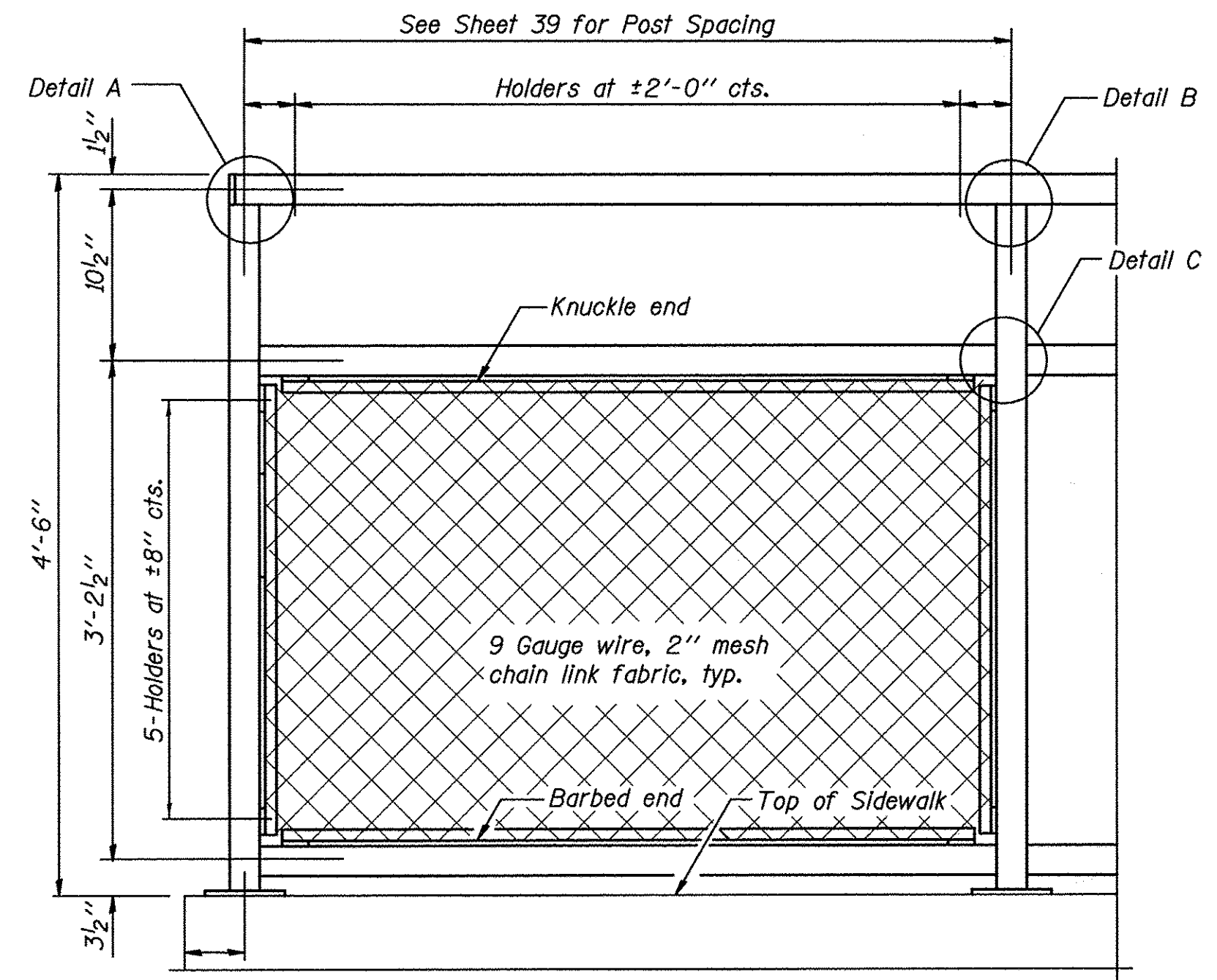
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

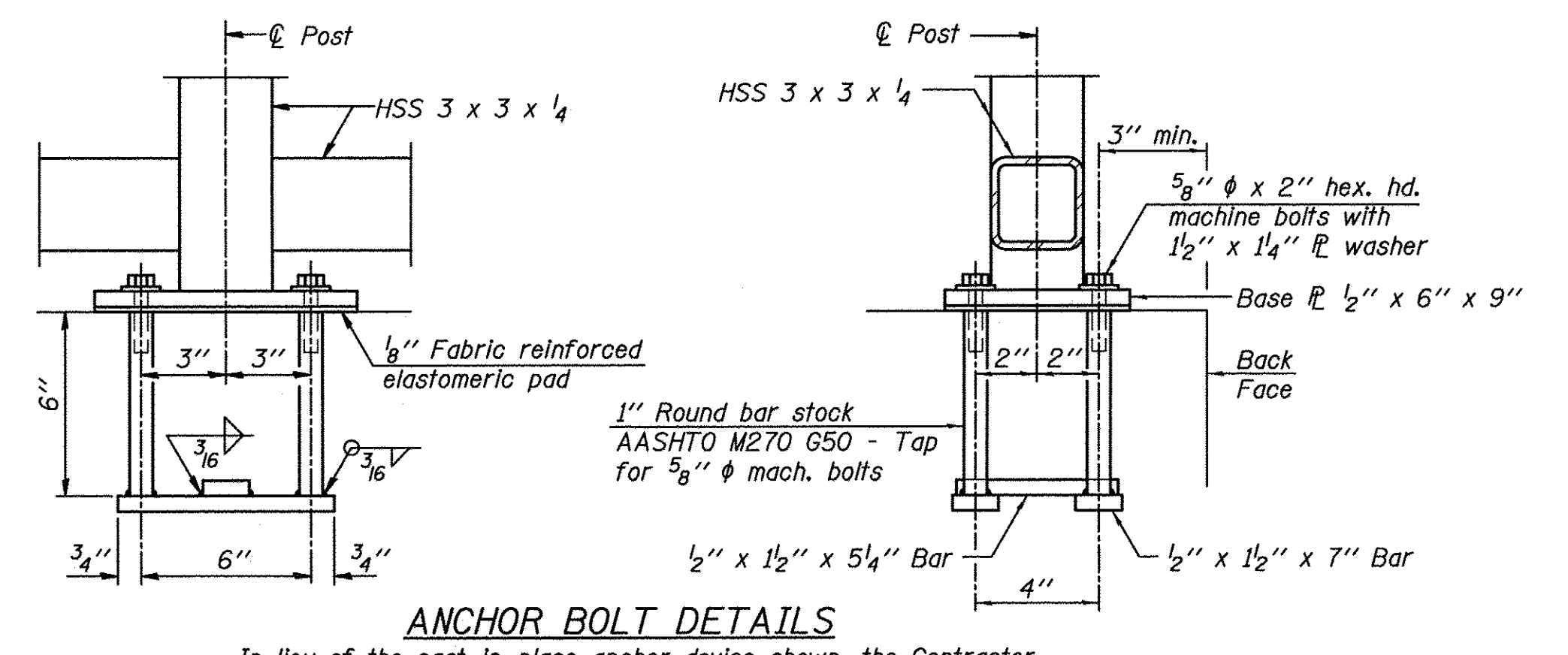
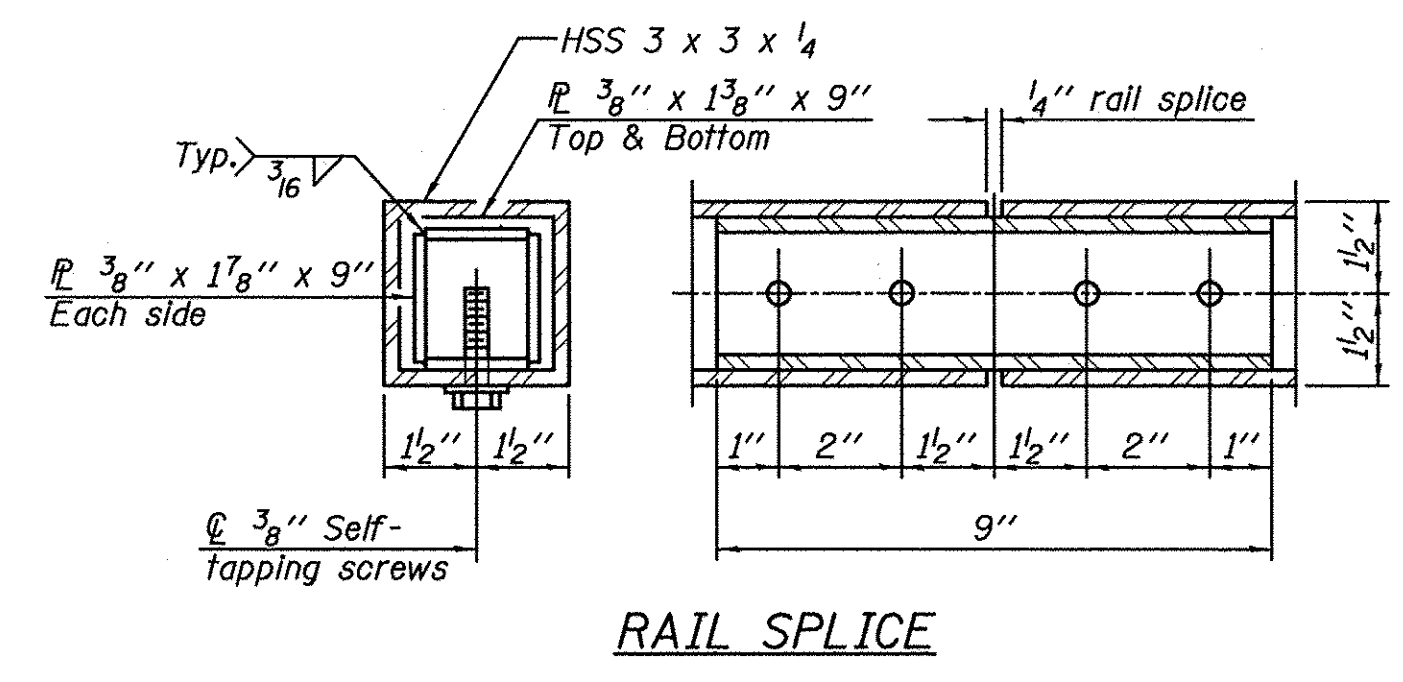
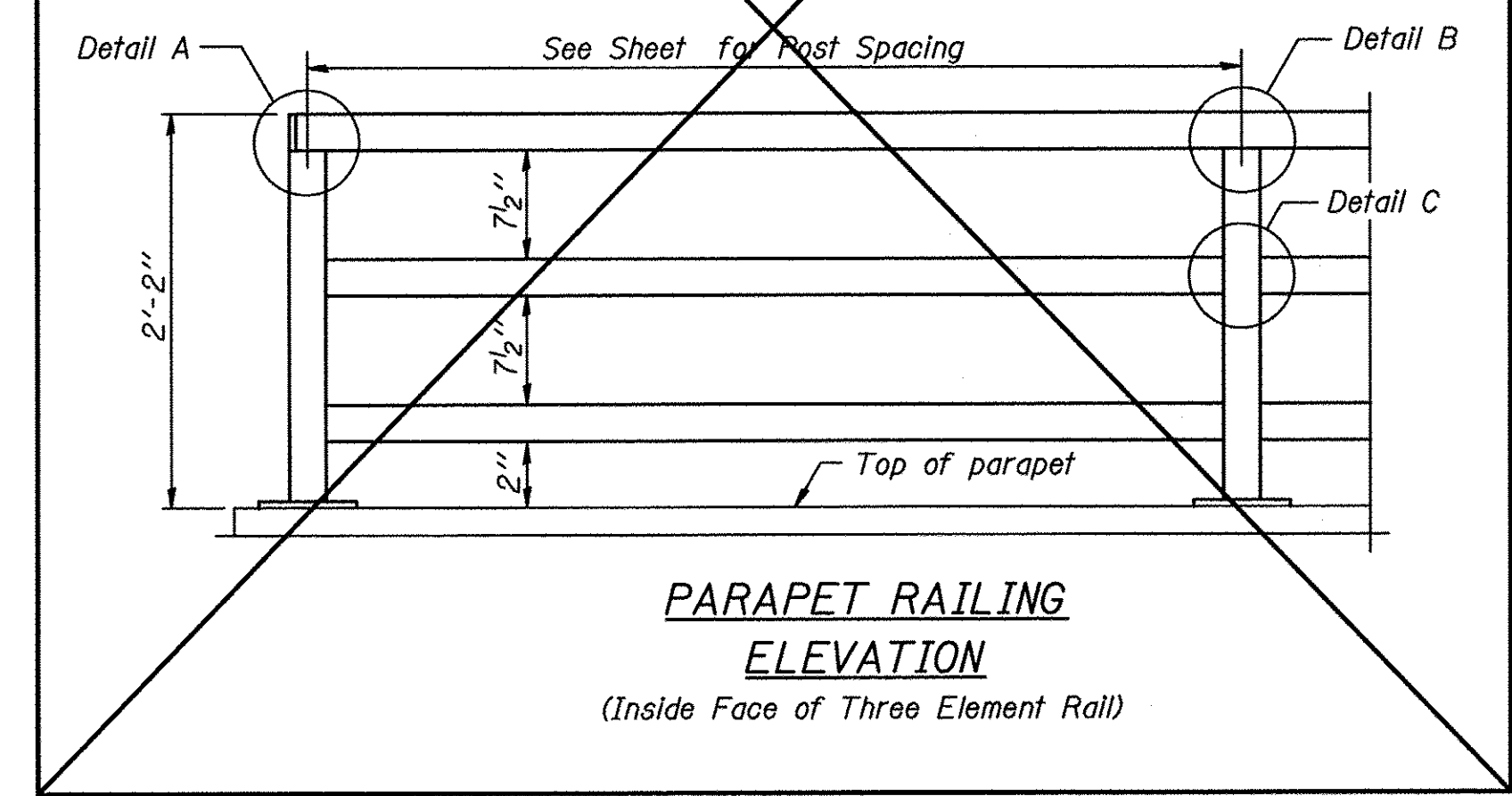
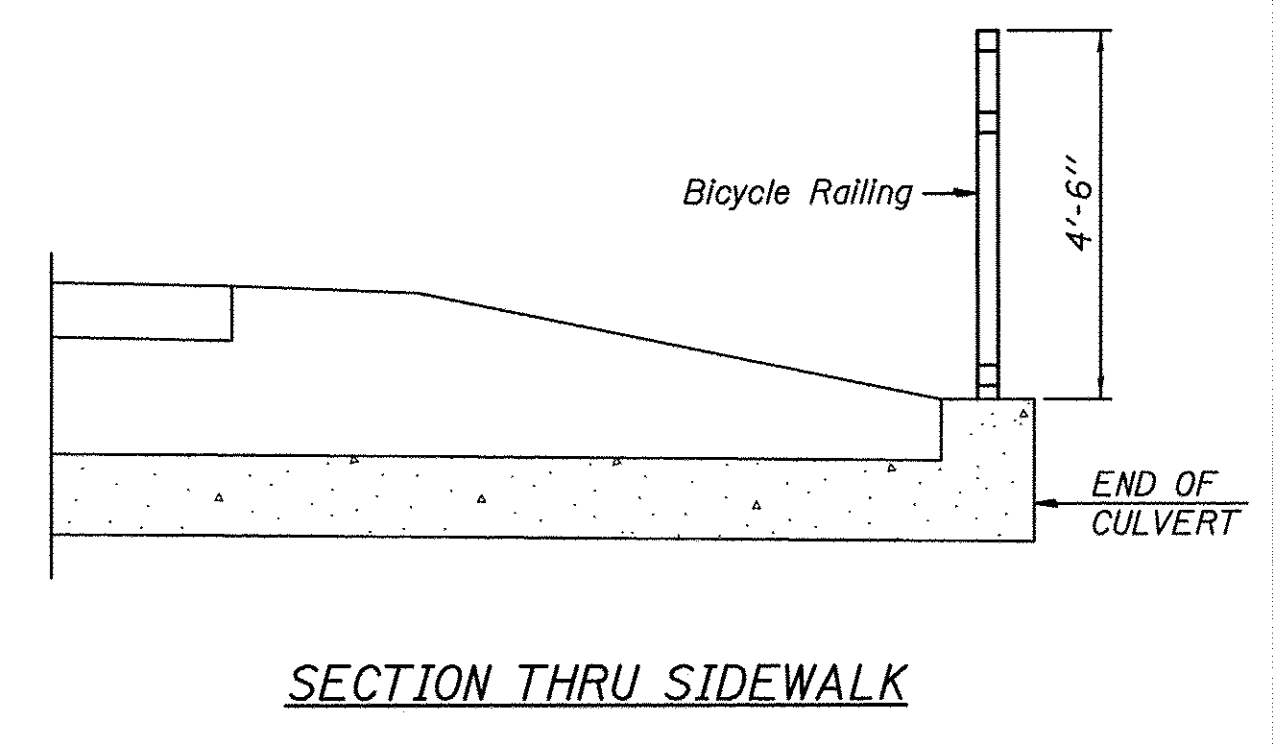
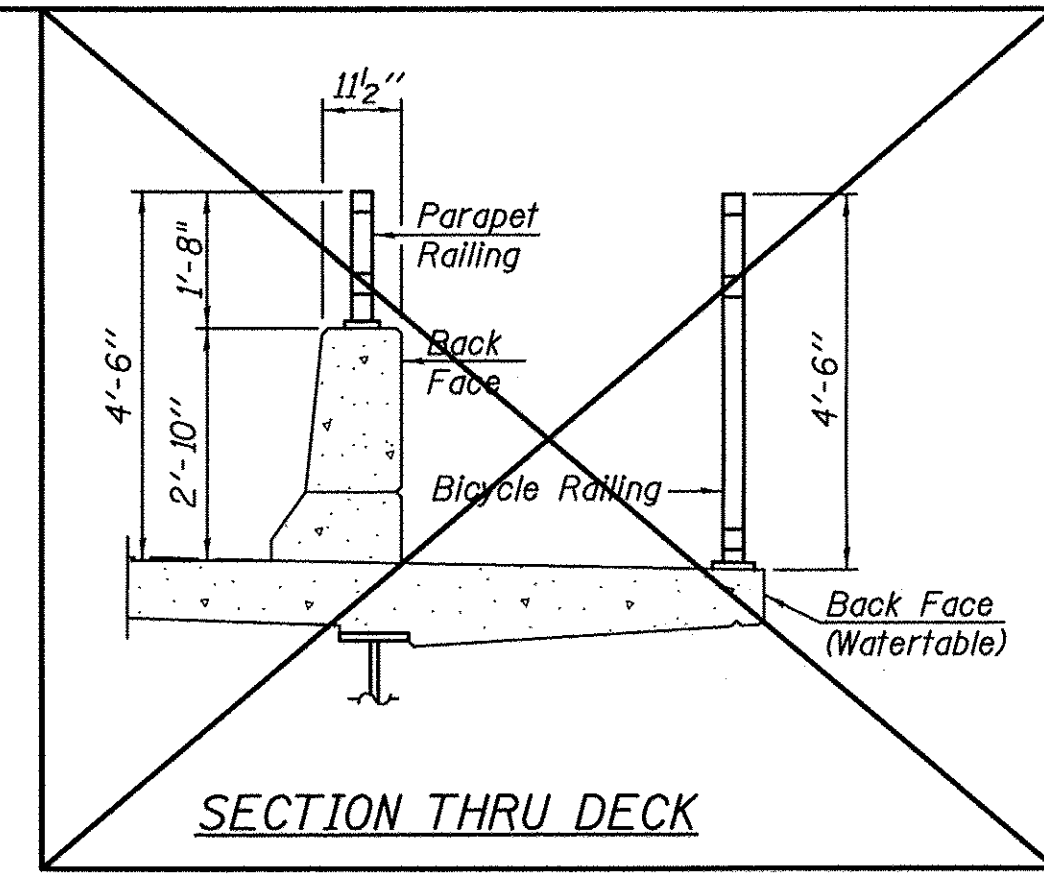
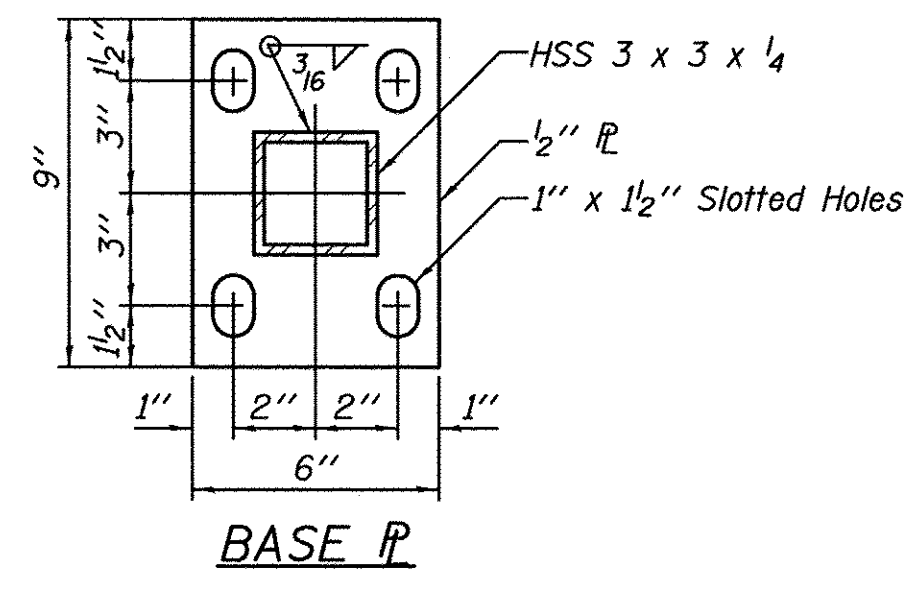
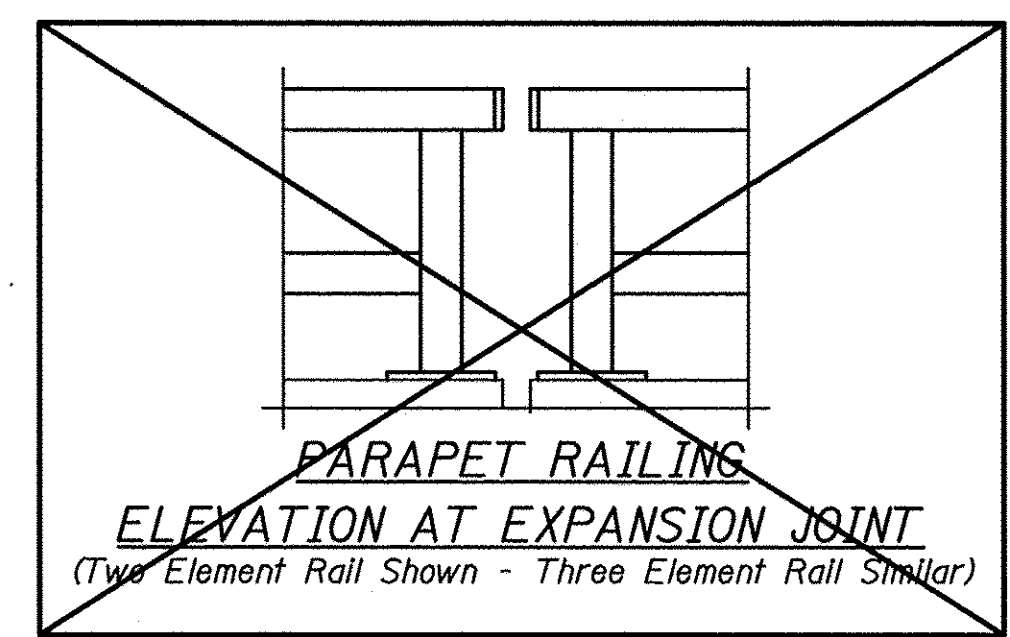
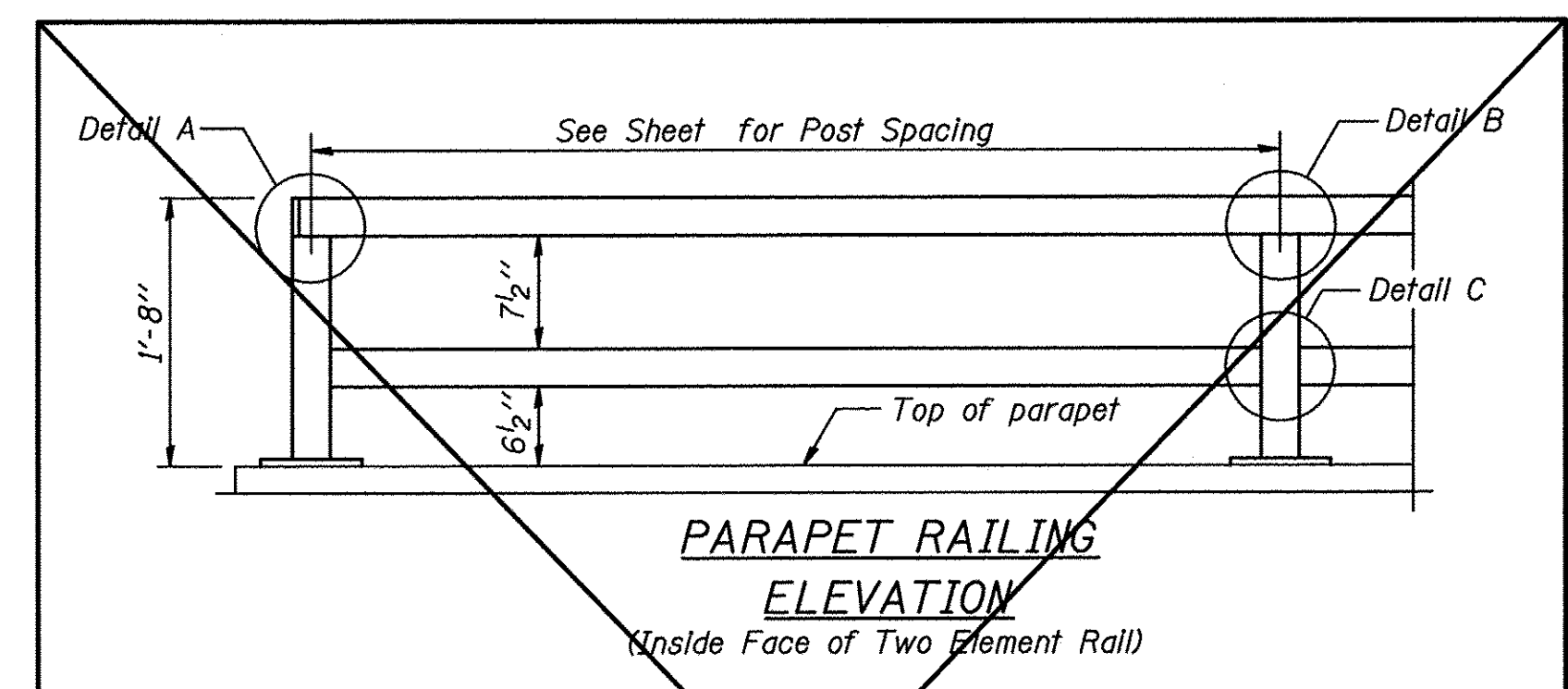
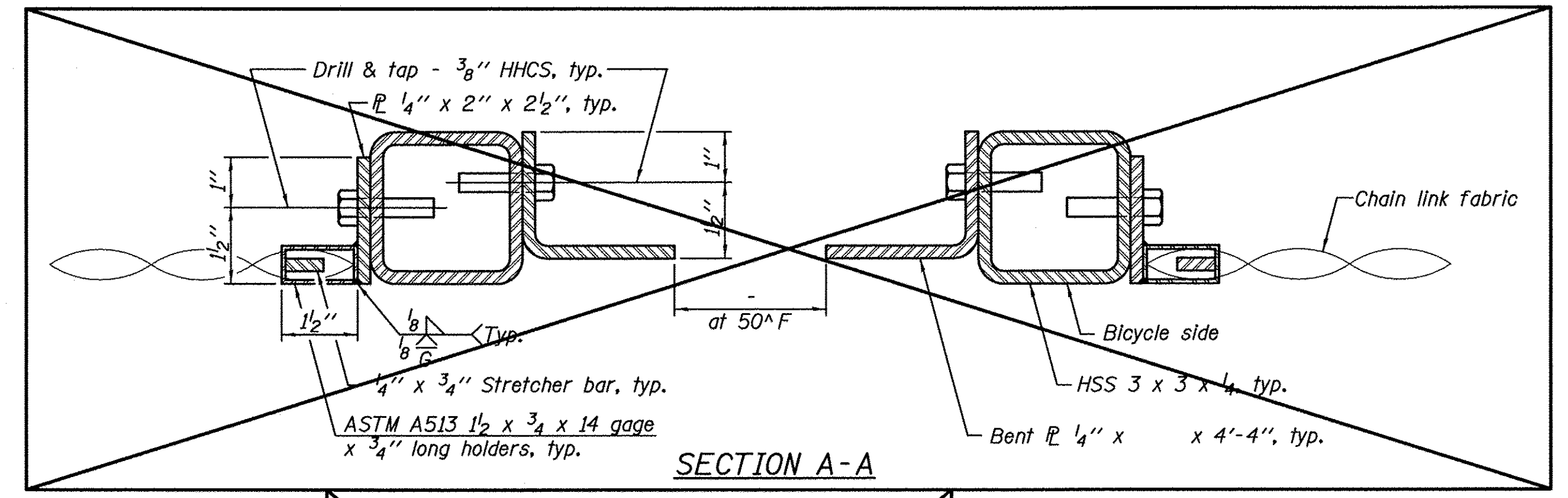
REINFORCEMENT PLANS
SN 099-0305

CONSTRUCTION PLANS
CURRENT AS OF: 05/18/2016
SCALE: 1"=5'
FILE NO.: 66139.01 Y- OF 71

CONTRACT NO. 87606



The designer should add the appropriate note as applicable.
 A. When railing is galvanized:
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 B. When railing is painted:
 All post, railing, splices, anchor devices, and bent plates shall be painted using the (List the appropriate paint system for Structural Steel).
 Only one of the above notes would appear on Contract Plans.



In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" φ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

| Item | Unit | Quantity |
|-----------------|------|----------|
| Bicycle Railing | Foot | 35 |

R-29 1-12-15 (10'-0" Maximum Post Spacing)

| DRAWN BY: NV | REVISIONS | | | |
|-----------------|-----------|----|------|-------------|
| | LEVEL | BY | DATE | DESCRIPTION |
| CHECKED BY: JKC | | | | |
| DATE: 01/15 | | | | |

CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

BICYCLE RAILING

CONSTRUCTION PLANS
 CURRENT AS OF: 05/18/2016
 SCALE: AS NOTED SHEET 42
 FILE NO.: 66139.01 Y- OF 71

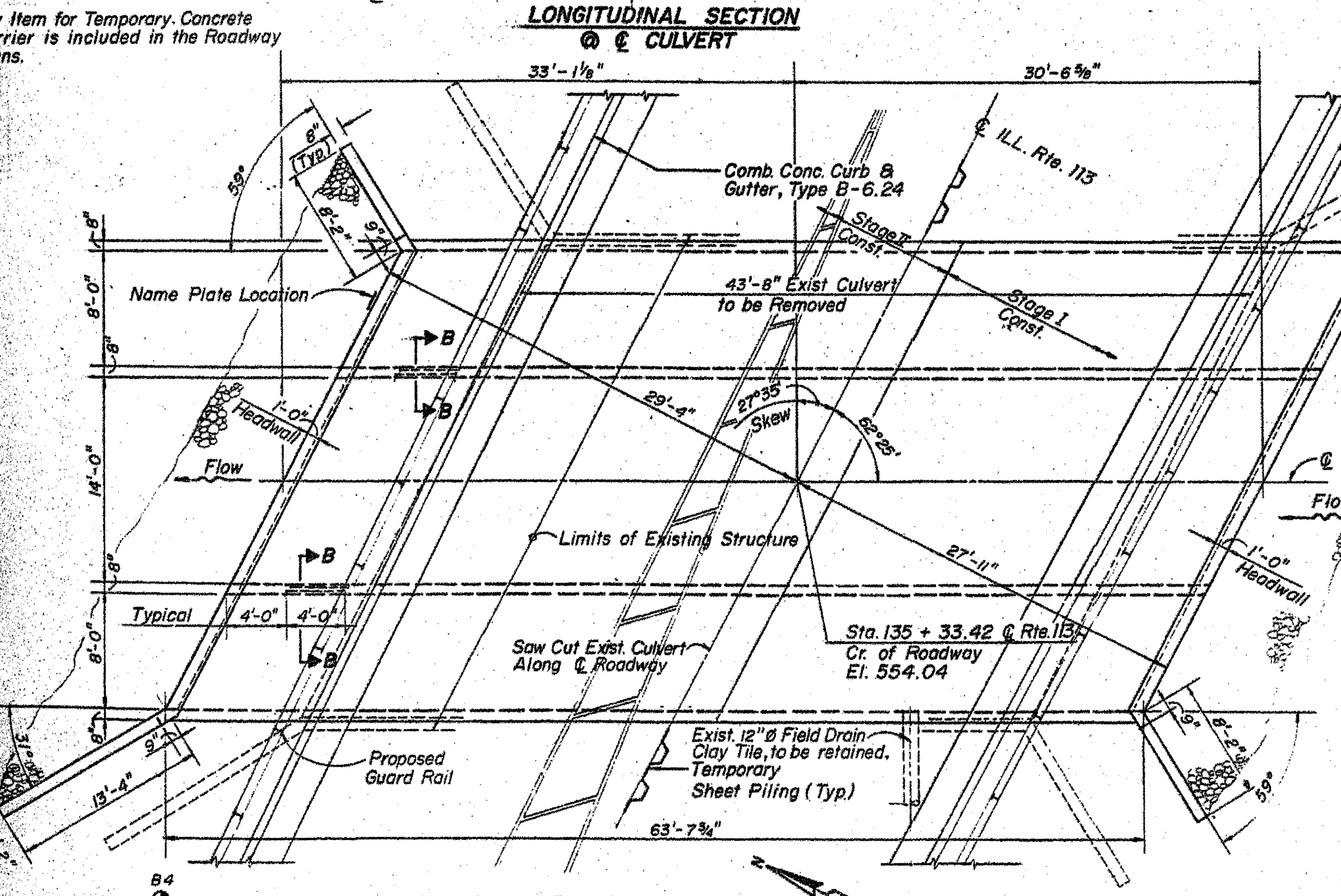
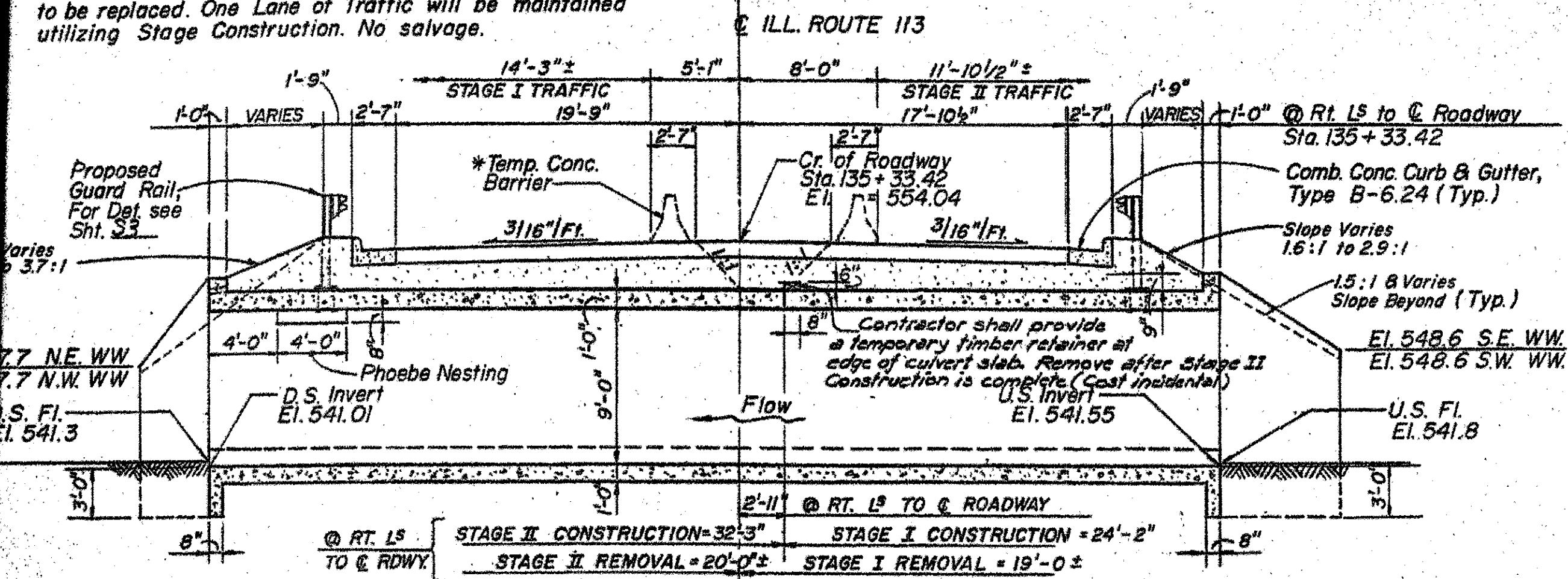
CONTRACT NO. 87606

CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Name: C:\Users\G\OneDrive\Documents\CHAMLIN\PROJECTS\14-00010-00-WR\14-00010-00-WR-113-EXTENSION-PHASE-A\CD\BICYCLE-RAILING.dwg Last Modified: May 18, 2016 - 3:31pm Plotted on: May 20, 2016 - 1:08pm by jmc

FILL HEIGHT = 554.04 - 541.29 - 10' = 2.75'

MARK: El. 555.18
 - CUT ON CENTER PIER UNDER
 ILL. ROUTE 113 OVER F.A.I. 55 (1-55)

Existing Triple Box Culvert No. 099-2009
 Center Box 14'-0" x 9'-11"; Side Boxes 8'-0" x 6'-11"
 to be replaced. One Lane of Traffic will be maintained
 utilizing Stage Construction. No salvage.



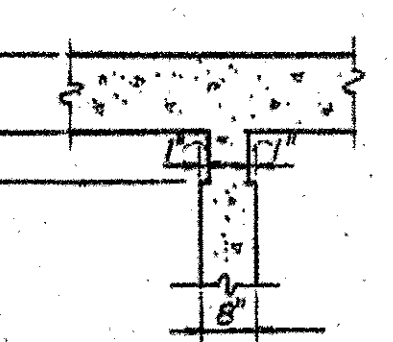
NOTE: Soil Boring Locations are shown thus: B4
 See Sht. S-3 for Boring Logs.

| WATERWAY INFORMATION | | | | | | | | | |
|--|-----------|-------|----------------|-------|-------------|----------|-------|---------------|-------|
| DRAINAGE AREA : 5.2 Sq.Mi. LOW GRADE EL. EXIST. 553.1 STA. 132 + 50 PROP. 553.1 | | | | | | | | | |
| FLOOD | FREQ. YR. | Q CFS | OPENING SQ.FT. | | NAT. H.W.E. | HEAD-FT. | | HEADWATER EL. | |
| | | | EXIST. | PROP. | | EXIST. | PROP. | EXIST. | PROP. |
| DESIGN | 50 | 880 | 197 | 254 | 551.6 | 0.5 | 0.1 | 552.1 | 551.7 |
| BASE | 100 | 1015 | 197 | 254 | 551.8 | 0.6 | 0.2 | 552.4 | 552.0 |
| OVERTOPPING | >100 | 1275 | 197 | 254 | 552.1 | 1.0 | — | 553.1 | — |
| MAX. CALC. | 500 | 1320 | — | 254 | 552.2 | — | 0.5 | — | 552.7 |

DESIGN DATA
SPECIFICATIONS
 1992 A.A.S.H.T.O.
DESIGN STRESSES
 $f'_c = 3500$ P.S.I.
 $f_y = 60,000$ P.S.I. (REINFORCEMENT)
LOADING : HS 20 - 44
 ALLOW 25 PSF FOR FUTURE WEARING SURFACE

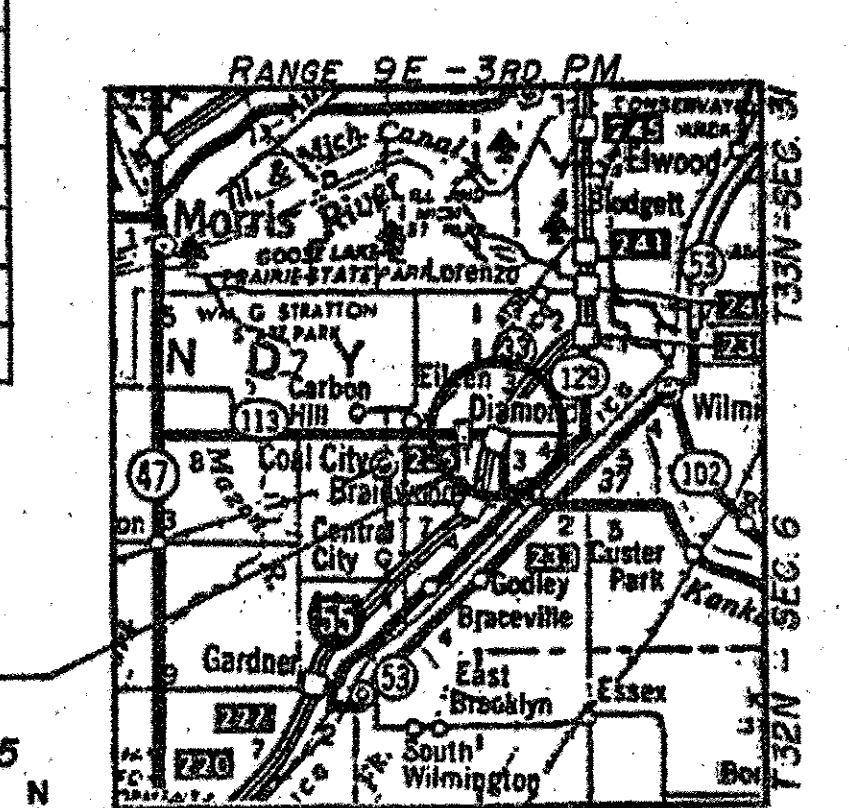
NOTE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREAS FREE OF WATER. THE METHOD OF WATER DIVERSION SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
 Engineer of Bridges and Structures

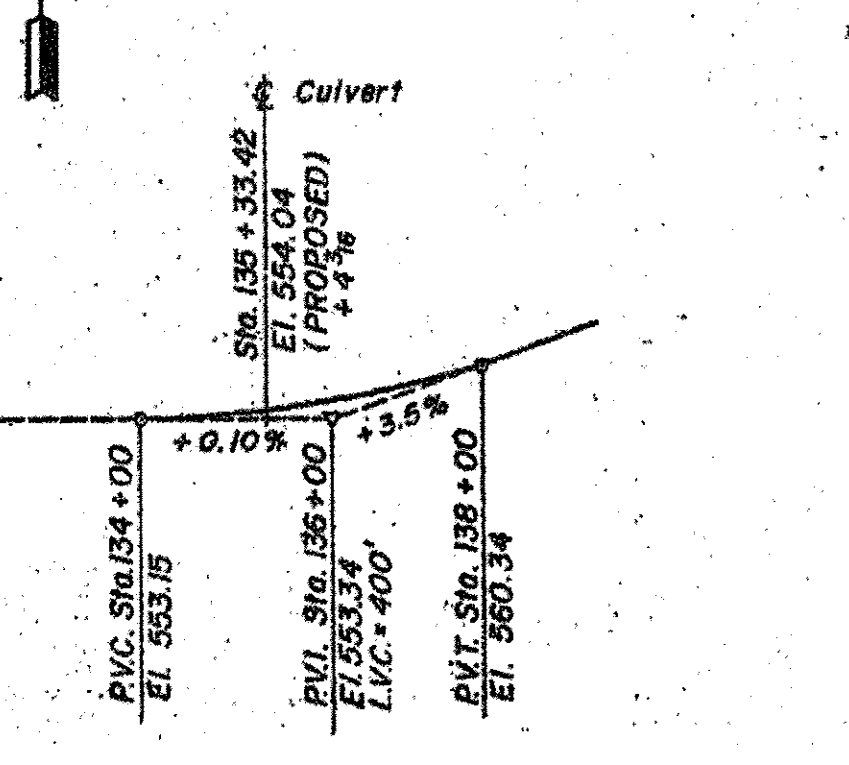


PHOEBE NESTING DETAIL B-B
 Downstream Only
NOTE:
 Notch shall be formed by rough finished board attached to and removed w/ formwork, each interior wall. (Do not chamfer). See longitudinal Section this sheet for location.

| SHEET NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------|---------|--------|--------------|-----------|
| 81 | * | WILL | 149 | 53 |



PROPOSED STRUCTURE No. 099-0305



PROFILE GRADE
 ILL. Rte. 113

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BOX CULVERT DESIGN IS STRUCTURALLY SOUND AND MEETS DESIGN LOADS SHOWN ON THIS PLAN. THE DESIGN IS AN INDIVIDUAL ONE FOR THE STYLE OF STRUCTURE AND COMPLETES THE REQUIREMENTS OF THE CURRENT "AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES".

STATE OF ILLINOIS
 RALPH E. ANDERSON
 2098
 LICENSED STRUCTURAL ENGINEER

NOV. 30, 1994
 BY LICENSE EXPIRES

Barton C. Ostrom
 REGISTERED

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION
 ILLINOIS ROUTE 113
 OVER CLAYPOOL DITCH
 SECTION 90HB-1-R & 99-2AC-4-RS(89)
 WILL COUNTY
 STATION 135+33.42
 STRUCTURE No. 999-0305

SCALE: VERT. 1"=10'
 HORIZ. 1"=100'

DATE 12-18-92

| REVISIONS | |
|-----------|------|
| NO. | DATE |
| | |
| | |
| | |
| | |

CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Name: C:\Users\jg\OneDrive\Documents\CHAMLIN\PROJECTS\99-2AC-4-RS(89)\113-EXTENSION-PHASE-1\CD\PLANS\043-EXIST-CULVERT.dwg Last Modified: May 18, 2016 3:35pm Plotted on: May 20, 2016 1:06pm by jmc

| LEVEL | BY | DATE | DESCRIPTION |
|-------|----|------|-------------|
| | | | |
| | | | |
| | | | |

CHAMLIN & ASSOCIATES, INC. PERU MORRIS ILLINOIS

FAU 383 SECTION 14-0010-00-WR VILLAGE OF DIAMOND WILL COUNTY

EXISTING CULVERT PLANS (FOR INFORMATION ONLY)

CONSTRUCTION PLANS

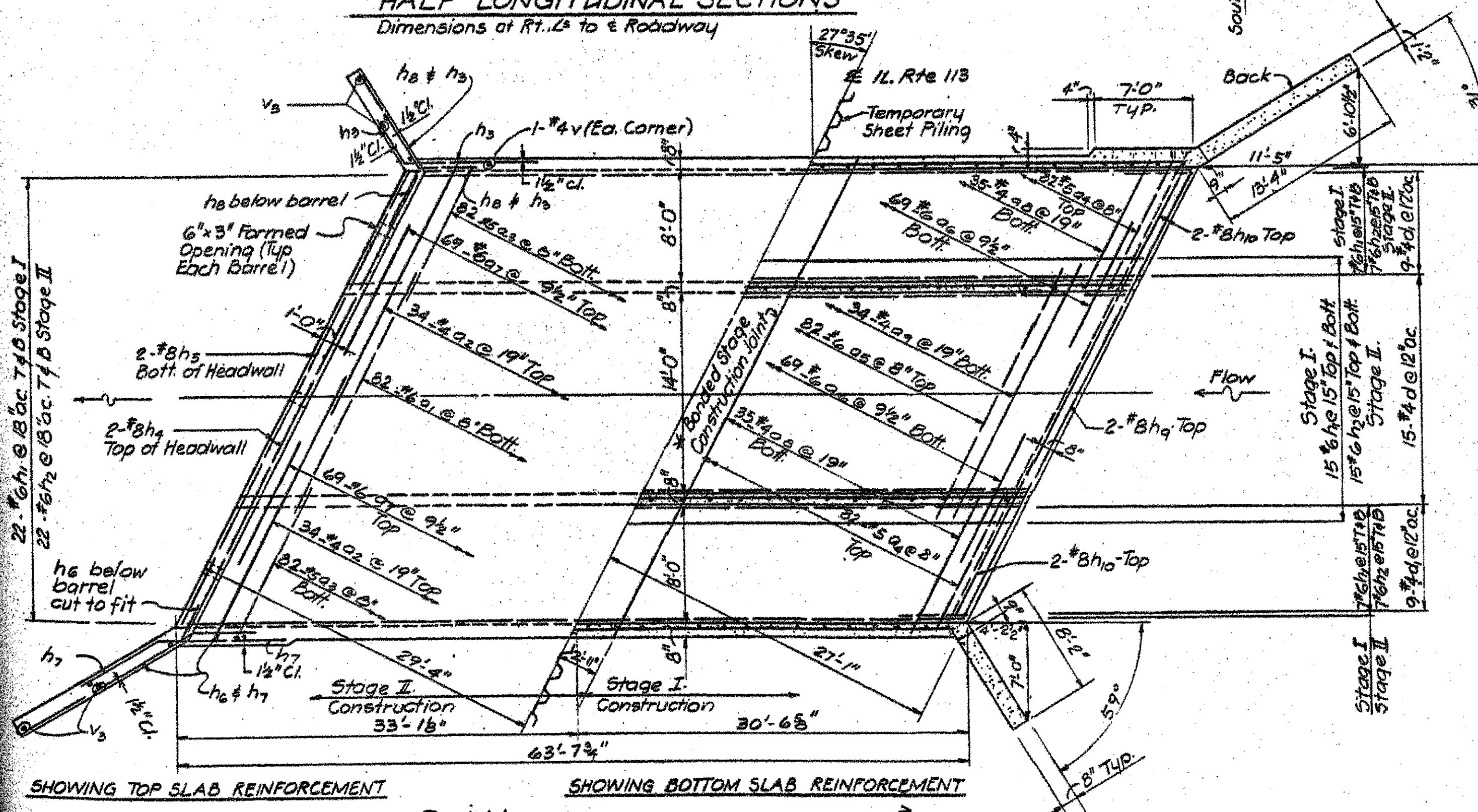
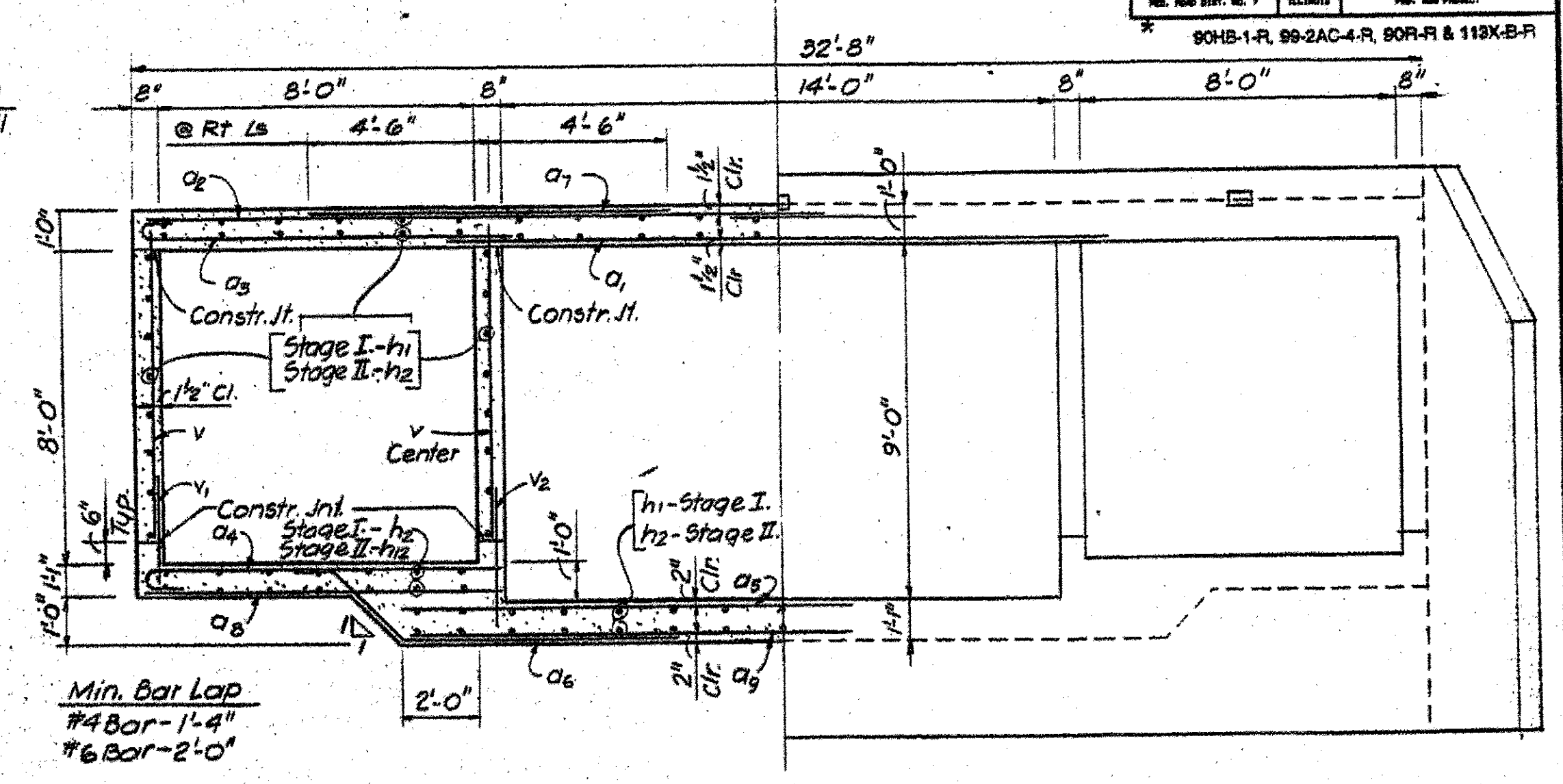
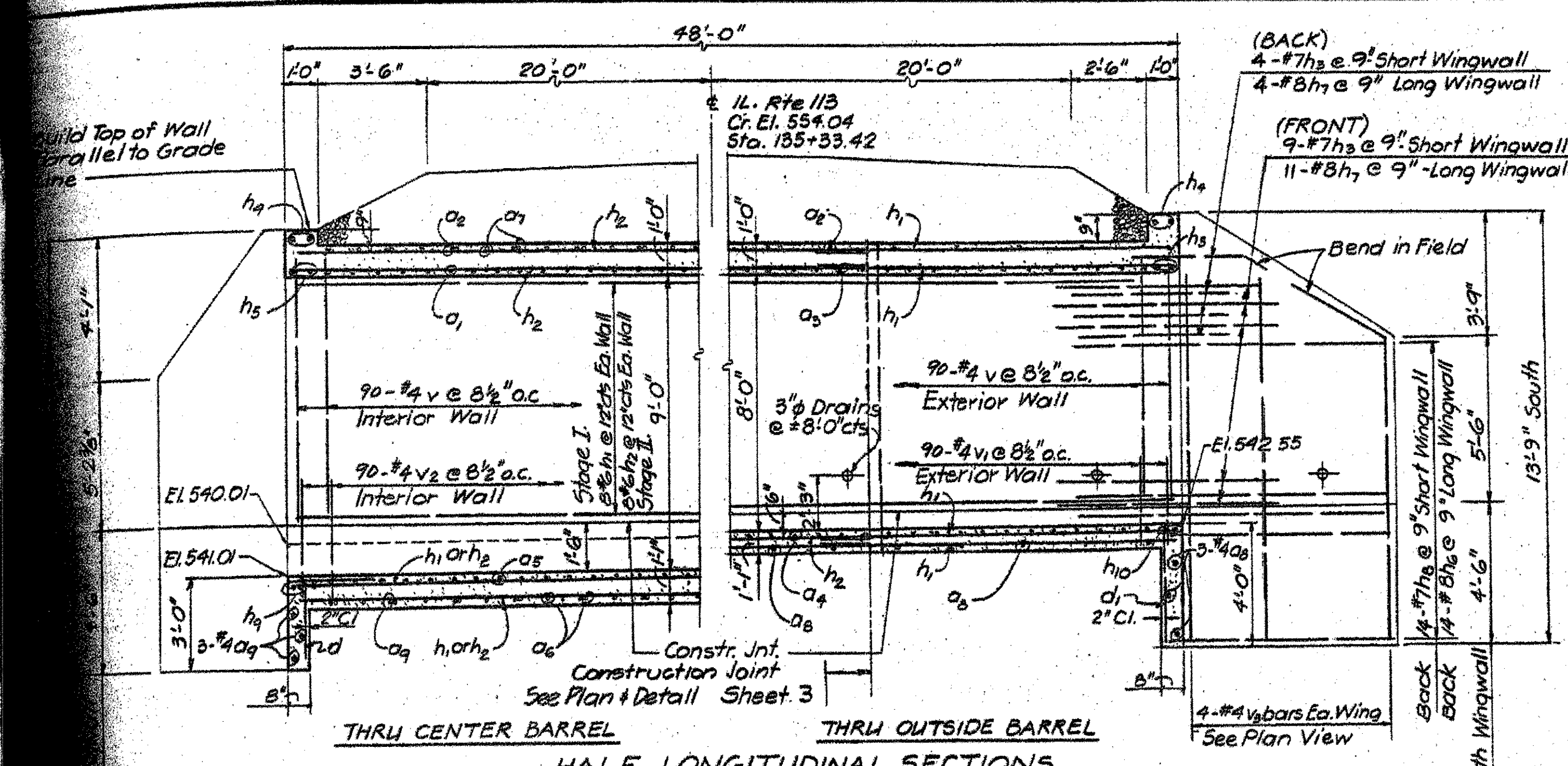
CURRENT AS OF: 05/18/2016

SCALE: AS NOTED SHEET 43

FILE NO.: 66139.01 Y- OF 71

CONTRACT NO. 87606

| | | | | | | | |
|--------------|---|---------|----|--|--|------------------|--|
| SHEET NO. 32 | | SECTION | | COUNTY | | TOTAL SHEETS | |
| 55 | 3 | 149 | 34 | | | | |
| STA. | | TO STA. | | ILLINOIS | | FED. AID PROJECT | |
| | | | | 90HB-1-R, 99-2AC-4-R, 90R-R & 112X-B-R | | | |



NOTES

Class X Concrete shall be used Throughout. Precast concrete option shall not be permitted. For Backfilling and Embankment see Standard Specifications. Reinforcement Bars shall Conform to the Requirements of AASHTO M-31, M-42 or M-53, Grade 60. Bars Indicated thus 22-#6 Etc. Indicates 22 Lines of Bars with 2 Lengths per Line. Not less than Seven feet of the Barrel shall be Poured Monolithically with the Wing Walls. All Exposed Edges of the Concrete shall be Beveled 3/4".

STATION 135 + 33.42
BUILT 199 BY
STATE OF ILLINOIS
F.A. 2319 SECTION 90HB-1-R
PROJECT NO. 99-2AC-4-R (99) 235
LOADING HS 20
STRUCTURE NO. 099-0305

| TOTAL BILL OF MATERIALS | | |
|-------------------------------------|----------|--------|
| ITEM | UNIT | QUANT. |
| Class X Concrete Box Culverts | Cu Yd. | 251 |
| Reinforcement Bars | Lbs | 35480 |
| Name Plates | Each | 1 |
| Removal of Existing Structures | Lump Sum | 1 |
| Temporary Sheet Piling | Sq Ft | 830 |
| Stone Rip Rap Class A-4 | Sq Yds | 69 |
| Filter Fabric for use with Rip Rap | Sq Yds. | 69 |
| Sub-base Granular Material, Special | Cu Yd. | 37 |

| | | |
|--------------------------------------|----------|-----|
| Silt Filter Fence | Lin. Ft. | 400 |
| Aggregate (Erosion Control) | Ton | 40 |
| Earth Excavation For Erosion Control | Cu Yd. | 100 |

ILLINOIS DEPARTMENT OF TRANSPORTATION
REINFORCEMENT DETAILS
TRIPLE BOX CULVERT
ILLINOIS ROUTE 113
OVER CLAYPOOL DITCH
SECTION 90HB-1-R & 99-2AC-4-RS(89)
WILL COUNTY
STATION 135+33.42
STRUCTURE No. 099-0305
VERT. SCALE: HORIZ. DATE 12-16-92

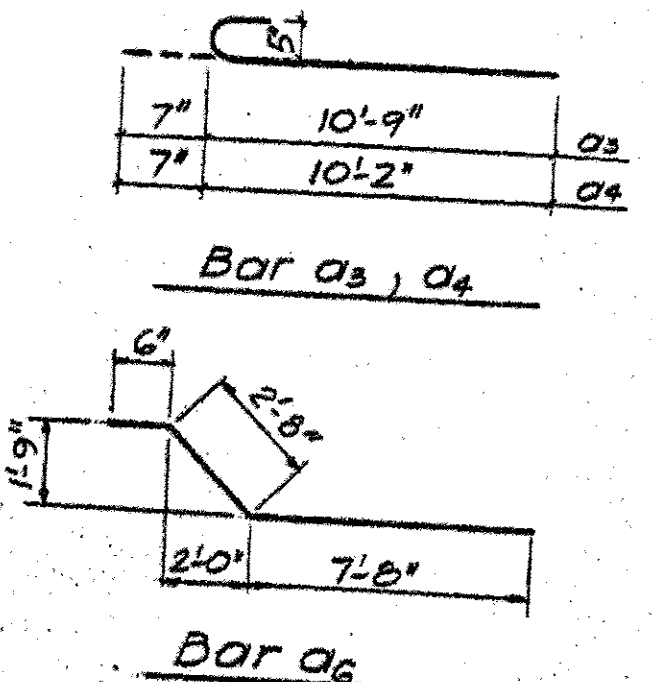
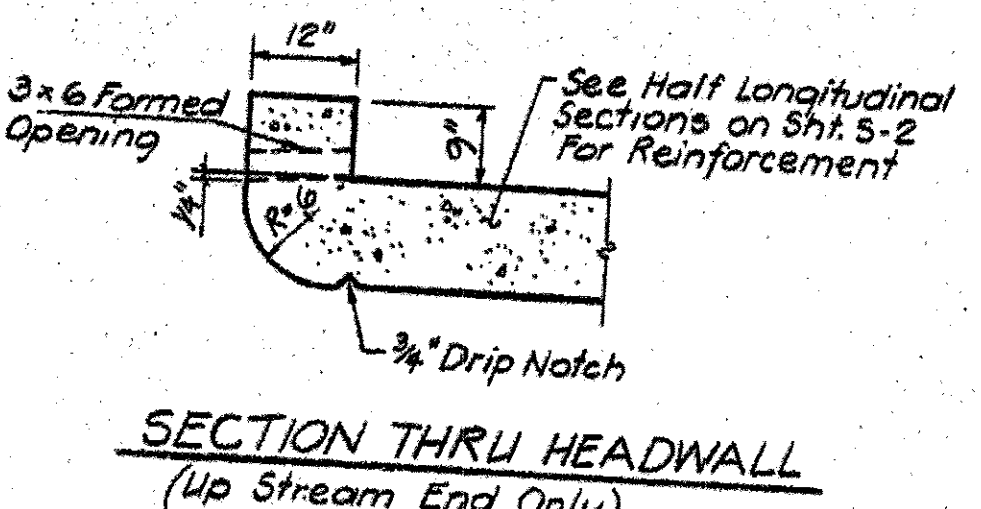
| REVISIONS | |
|-----------|------|
| NAME | DATE |
| | |
| | |
| | |
| | |

CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Number: S:\Users\jg3823\Projects\113-EXTENSION-PHASE-A\113-EXTENSION-PHASE-A\03-EXIST-CULVERT.dwg User: jg3823 Date: May 18, 2016 3:55pm Plotted on: May 20, 2016 1:09pm by jg3823

| | | | |
|-----------------|-----------|----|-------------|
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| CHECKED BY: JKC | LEVEL | BY | DATE |
| DATE: 01/15 | | | |
| | | | DESCRIPTION |

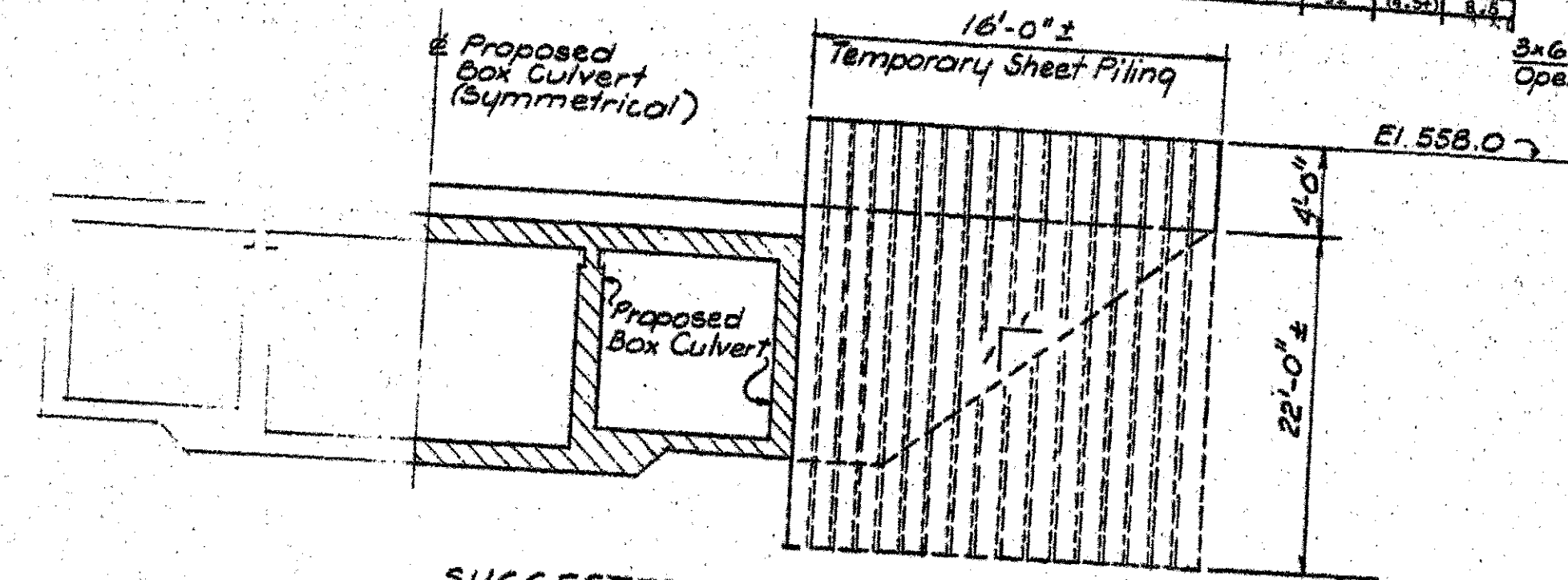
CHAMLIN ASSOCIATES, INC. PERU MORRIS ILLINOIS
 FAU 383 SECTION 14-00010-00-WR VILLAGE OF DIAMOND WILL COUNTY
 EXISTING CULVERT PLANS (FOR INFORMATION ONLY)
 CONSTRUCTION PLANS
 CURRENT AS OF: 05/18/2016
 SCALE: AS NOTED SHEET 44
 FILE NO.: 66139.01 Y- OF 71
 CONTRACT NO. 87606

| BORING LOG | | CHICAGO, ILLINOIS | |
|------------|-----------|-------------------|-----------|
| DATE | DEPTH | DATE | DEPTH |
| 2011.2 | 0-3.0 | 2011.2 | 0-3.0 |
| 2011.2 | 3.0-5.0 | 2011.2 | 3.0-5.0 |
| 2011.2 | 5.0-7.5 | 2011.2 | 5.0-7.5 |
| 2011.2 | 7.5-10.0 | 2011.2 | 7.5-10.0 |
| 2011.2 | 10.0-12.5 | 2011.2 | 10.0-12.5 |
| 2011.2 | 12.5-14.0 | 2011.2 | 12.5-14.0 |
| 2011.2 | 14.0-17.5 | 2011.2 | 14.0-17.5 |
| 2011.2 | 17.5-20.0 | 2011.2 | 17.5-20.0 |
| 2011.2 | 20.0-22.5 | 2011.2 | 20.0-22.5 |
| 2011.2 | 22.5-25.0 | 2011.2 | 22.5-25.0 |
| 2011.2 | 25.0-27.5 | 2011.2 | 25.0-27.5 |
| 2011.2 | 27.5-30.0 | 2011.2 | 27.5-30.0 |

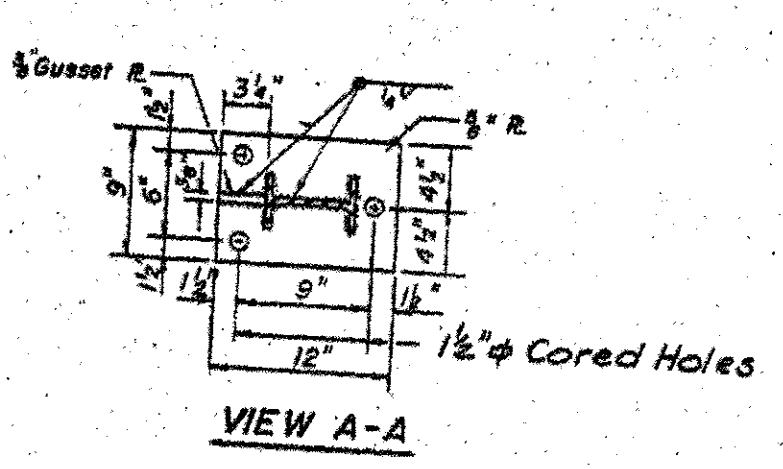
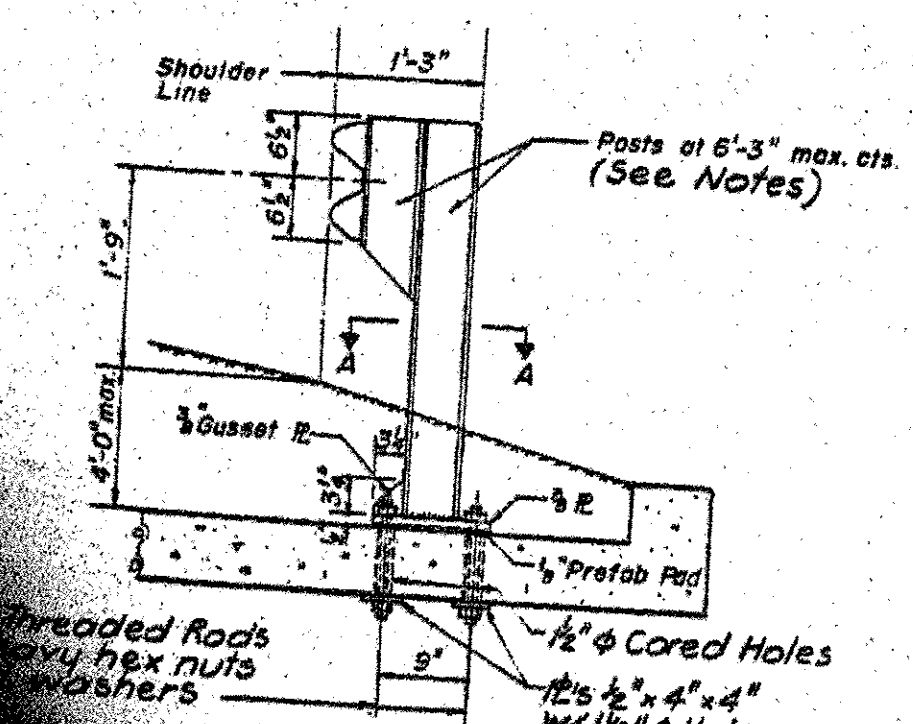
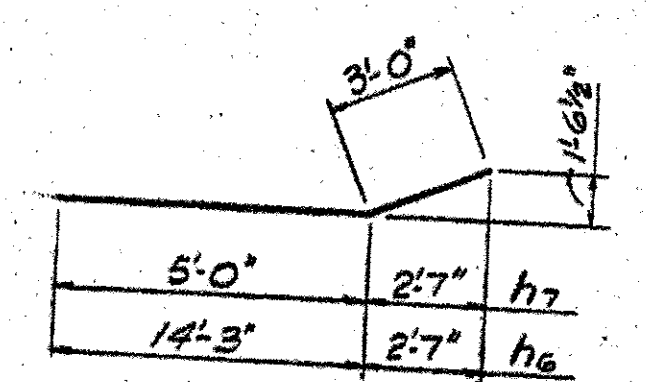
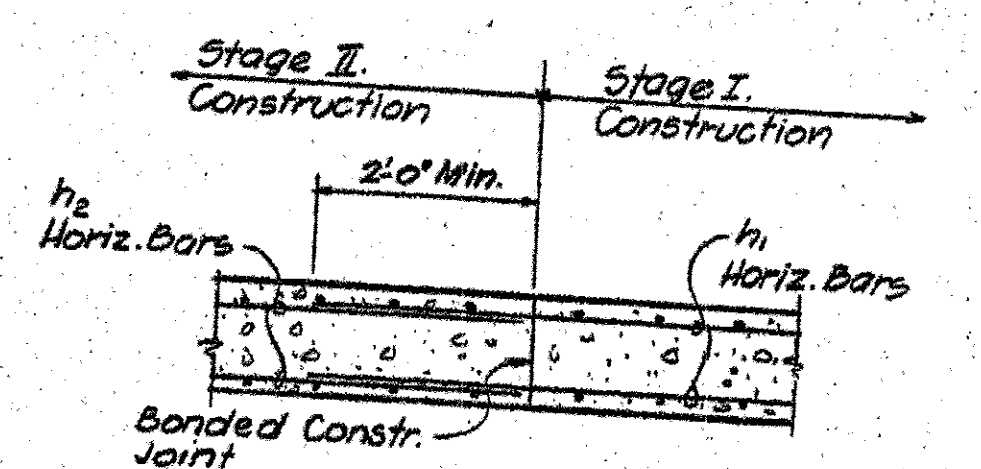
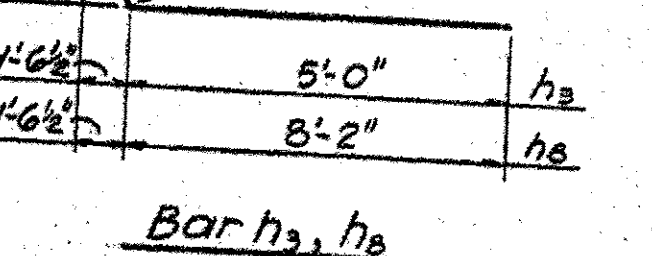
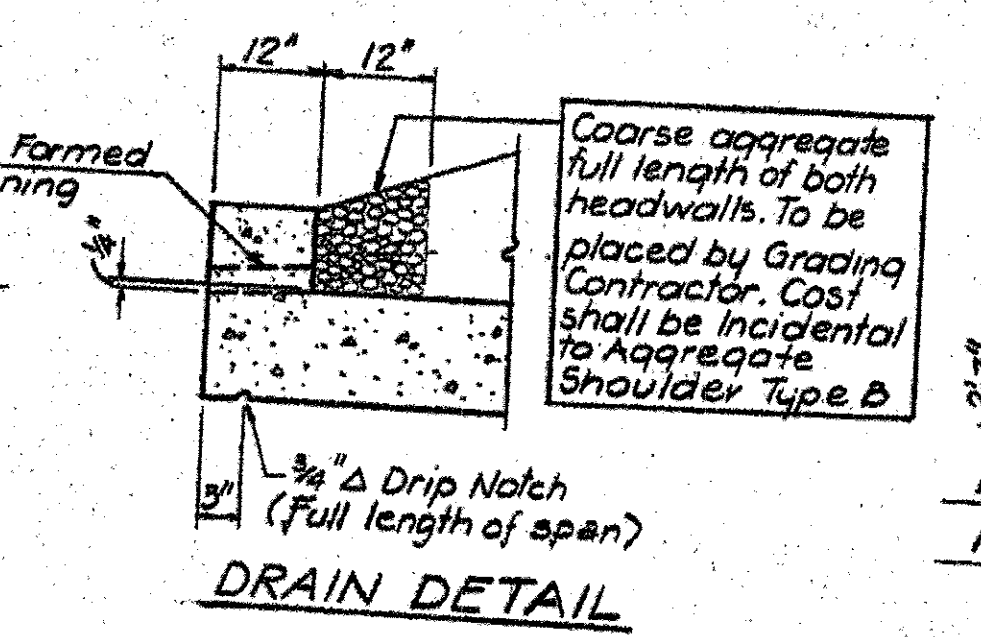


| BAR NO. | SIZE | LENGTH | SHR. |
|---------|------|--------|------|
| a1 | #6 | 18'-0" | |
| a2 | #4 | 19'-0" | |
| a3 | #5 | 11'-4" | |
| a4 | #5 | 10'-9" | |
| a5 | #6 | 2'-10" | |
| a6 | #6 | 10'-0" | |
| a7 | #6 | 10'-2" | |
| a8 | #4 | 10'-2" | |
| a9 | #4 | 2'-6" | |
| d | #4 | 4'-6" | |
| d1 | #4 | 5'-6" | |
| h1 | #6 | 30'-0" | |
| h2 | #6 | 35'-8" | |
| h3 | #7 | 8'-0" | |
| h4 | #8 | 36'-0" | |
| h5 | #8 | 36'-6" | |
| h6 | #8 | 17'-6" | |
| h7 | #8 | 6'-0" | |
| h8 | #7 | 11'-2" | |
| h9 | #8 | 27'-9" | |
| h10 | #8 | 10'-2" | |
| v | #4 | 8'-0" | |
| v1 | #4 | 27'-9" | |
| v2 | #4 | 31'-9" | |
| v3 | #4 | 15'-2" | |

| ITEM | UNIT | QUANT. |
|-------------------------------|---------|--------|
| Class x Concrete Box Culverts | Cu.Yds. | 251 |
| Reinforcement Bars | Lbs | 35,480 |
| Temporary Sheet Piling | Sq.Ft. | 830 |



The information shown for the Temporary Sheet Piling is estimated. It is the Contractor's responsibility to provide a design and computation of the Temporary Sheet Piling and associated members if required, subject to the approval of the Engineer.



| REVISIONS | DATE | DESCRIPTION |
|-----------|------|-------------|
| | | |
| | | |

ILLINOIS DEPARTMENT OF TRANSPORTATION
 REINFORCED CONCRETE
 SCALE: VERT. 1/4" = 1'-0"
 HORIZ. 1/4" = 1'-0"
 DATE 12-18-92

CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Name: G:\Users\G\Users\G\Projects\11-11-11-EXHIBITION-PHASE-A\CAD\CAD\PLANS\01-EXIST-CULVERT.dwg User: Modified: May 18, 2016 3:35pm Plotted on: May 20, 2016 1:11pm by jmc

| REVISIONS | DATE | DESCRIPTION |
|-----------|------|-------------|
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| | | |

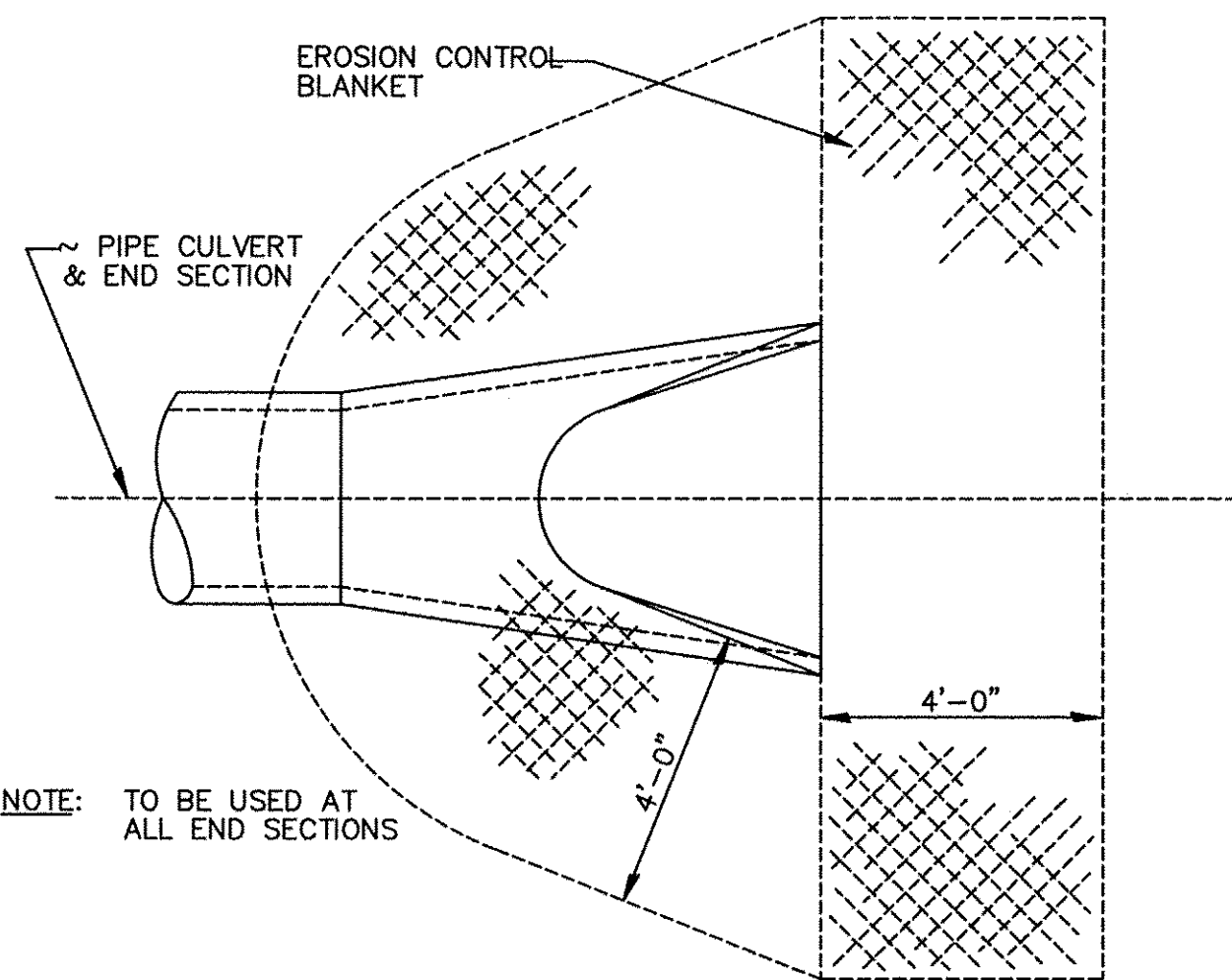
CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

EXISTING CULVERT PLANS
 (FOR INFORMATION ONLY)

CONSTRUCTION PLANS
 CURRENT AS OF: 05/18/2016
 SCALE: AS NOTED SHEET 45
 FILE NO.: 66139.01 Y- OF 71

CONTRACT NO. 87606

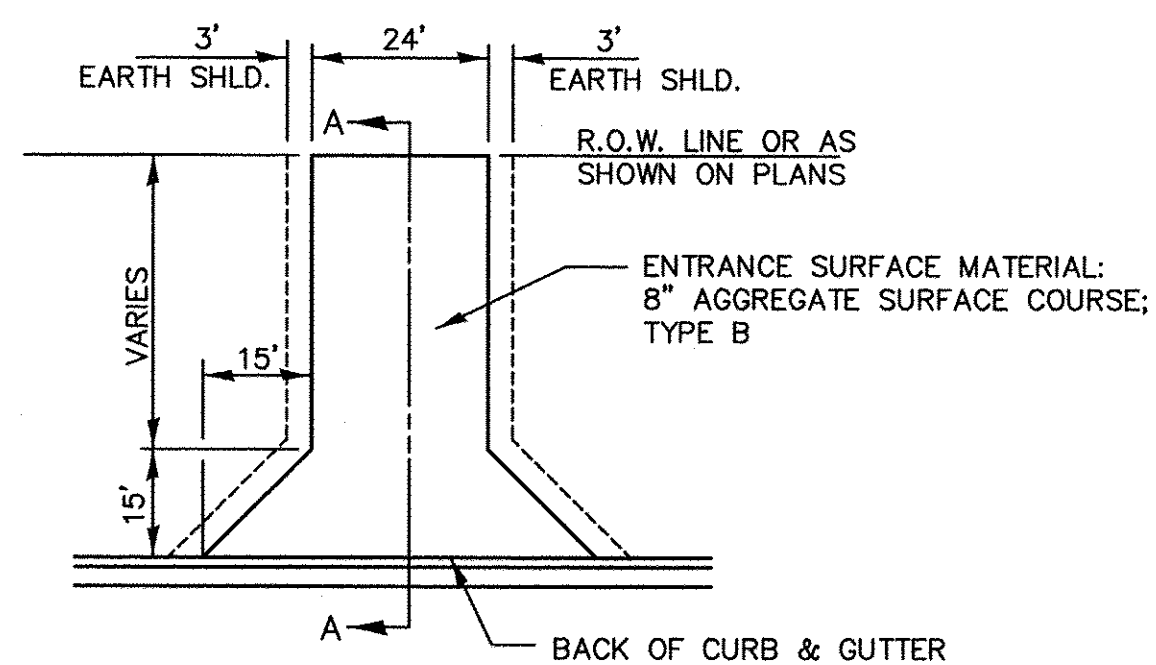


NOTE: TO BE USED AT ALL END SECTIONS

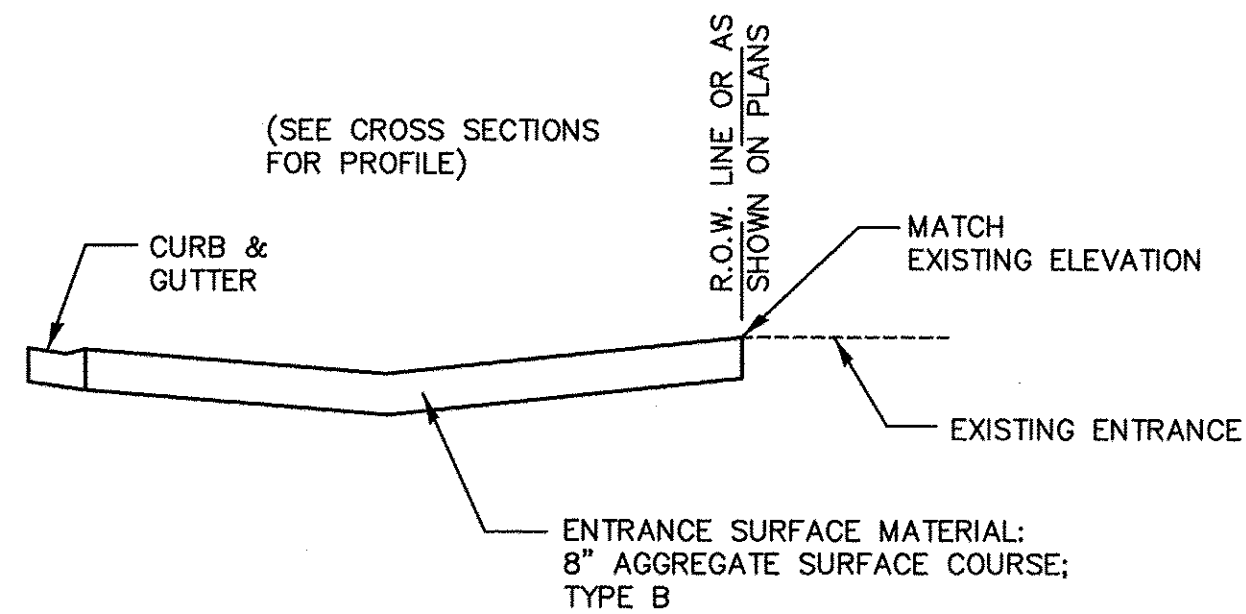
NOTE: PRC FLARED END SECTION SHOWN. TREATMENT SAME FOR OTHER END SECTIONS.

DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION

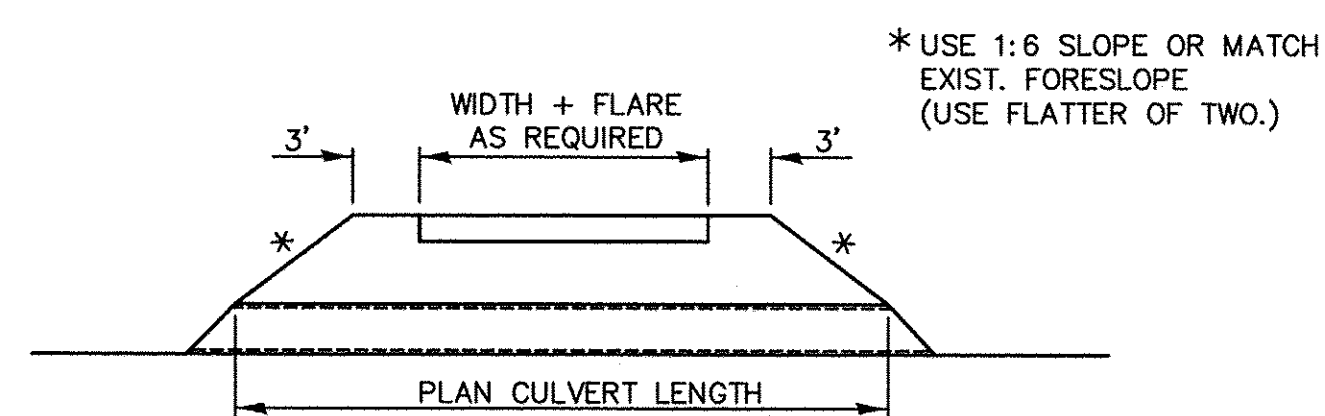
251-2



(SEE CROSS SECTIONS FOR PROFILE)

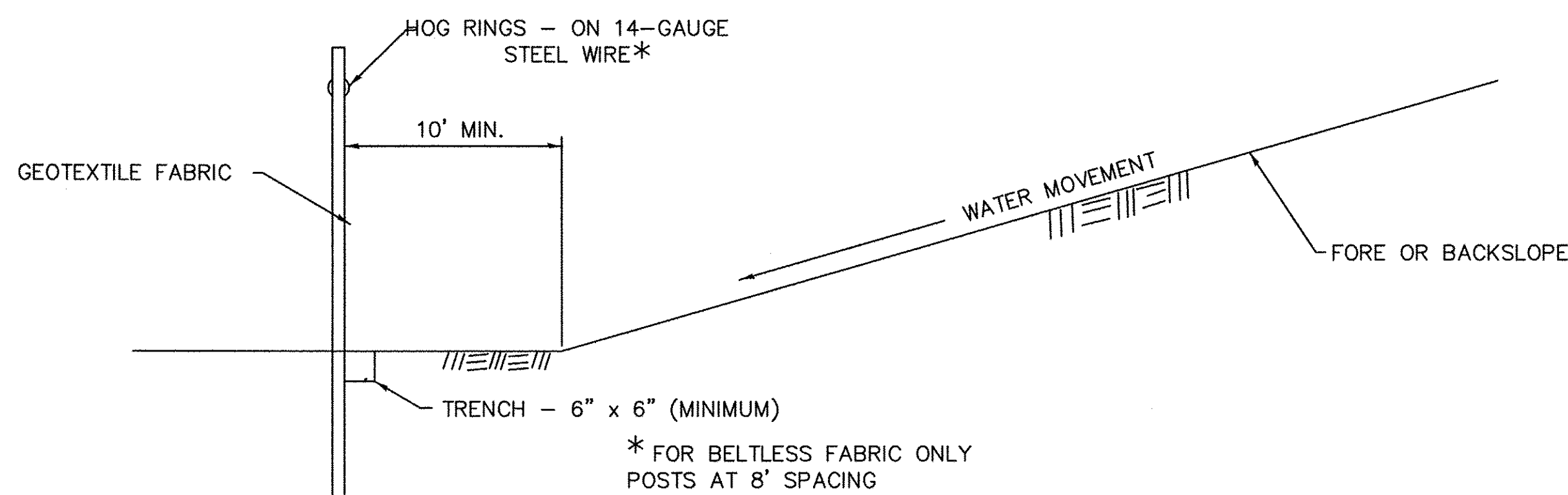
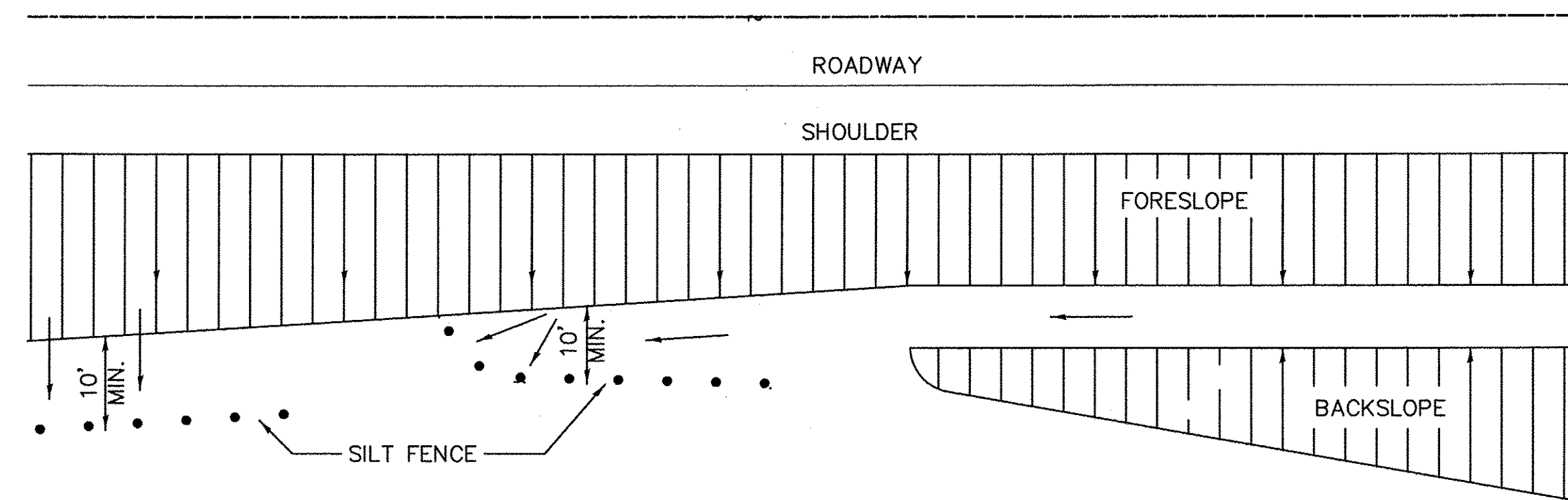


SECTION A-A



FIELD ENTRANCE DETAIL

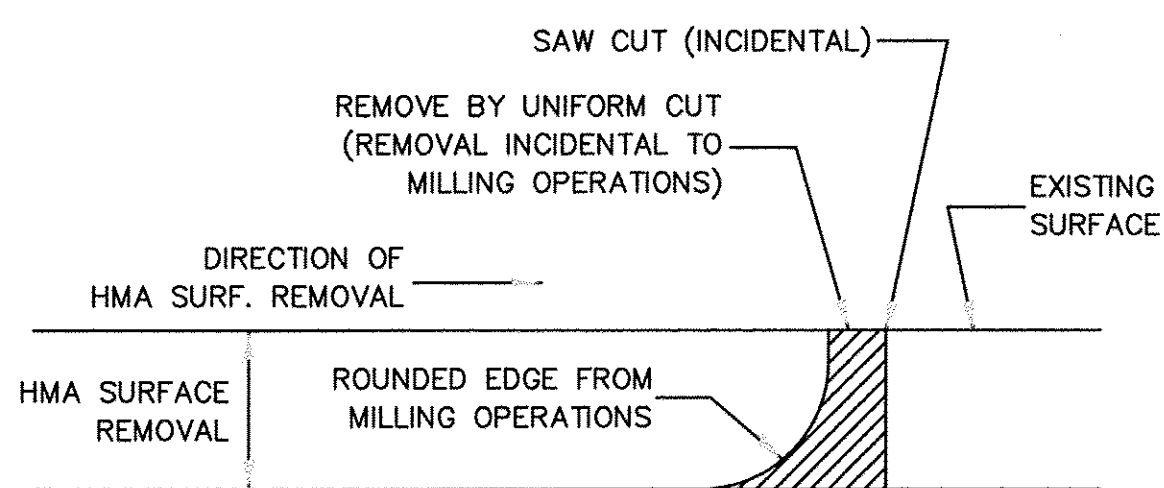
402-1



DETAILS OF SILT FENCE

EROSION CONTROL DETAILS FOR SILT FENCE

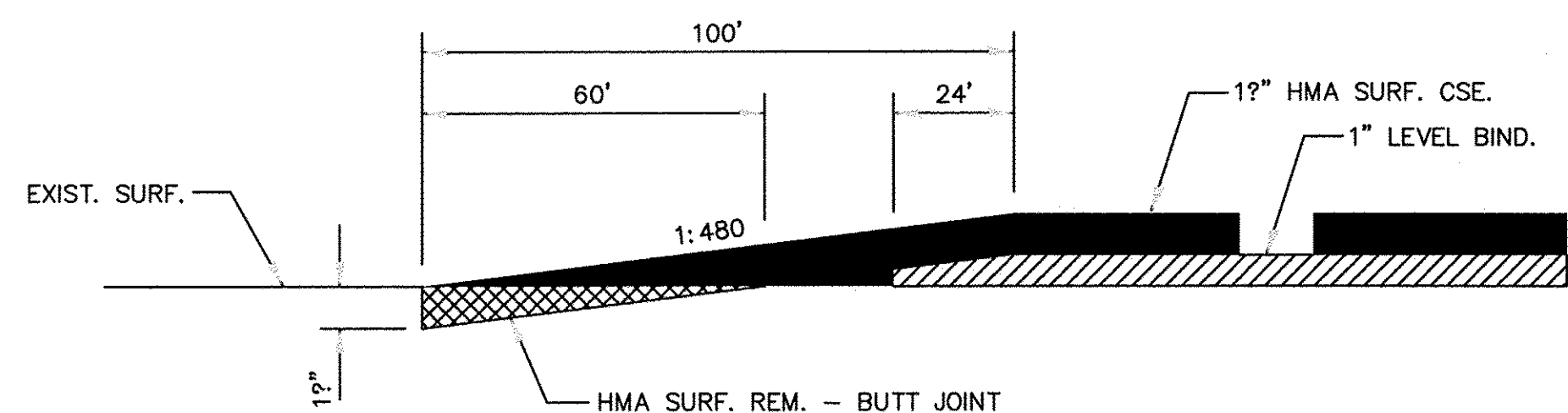
280-1



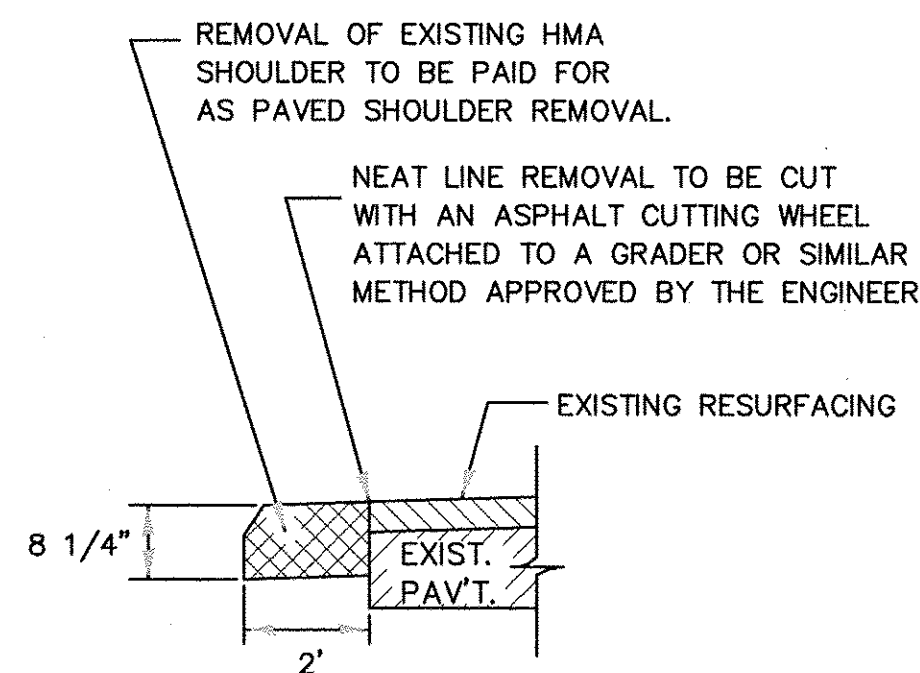
NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS

406-8

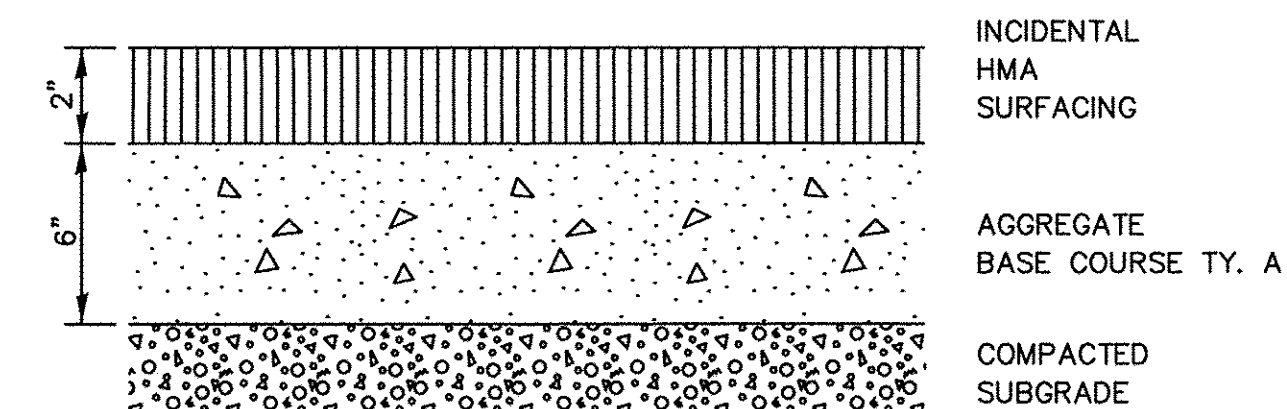


406-11



REMOVAL OF EXISTING HMA SHOULDER

440-1



BICYCLE PATH OR SHARED-USE TRAIL CROSS SECTION

406-13

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| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

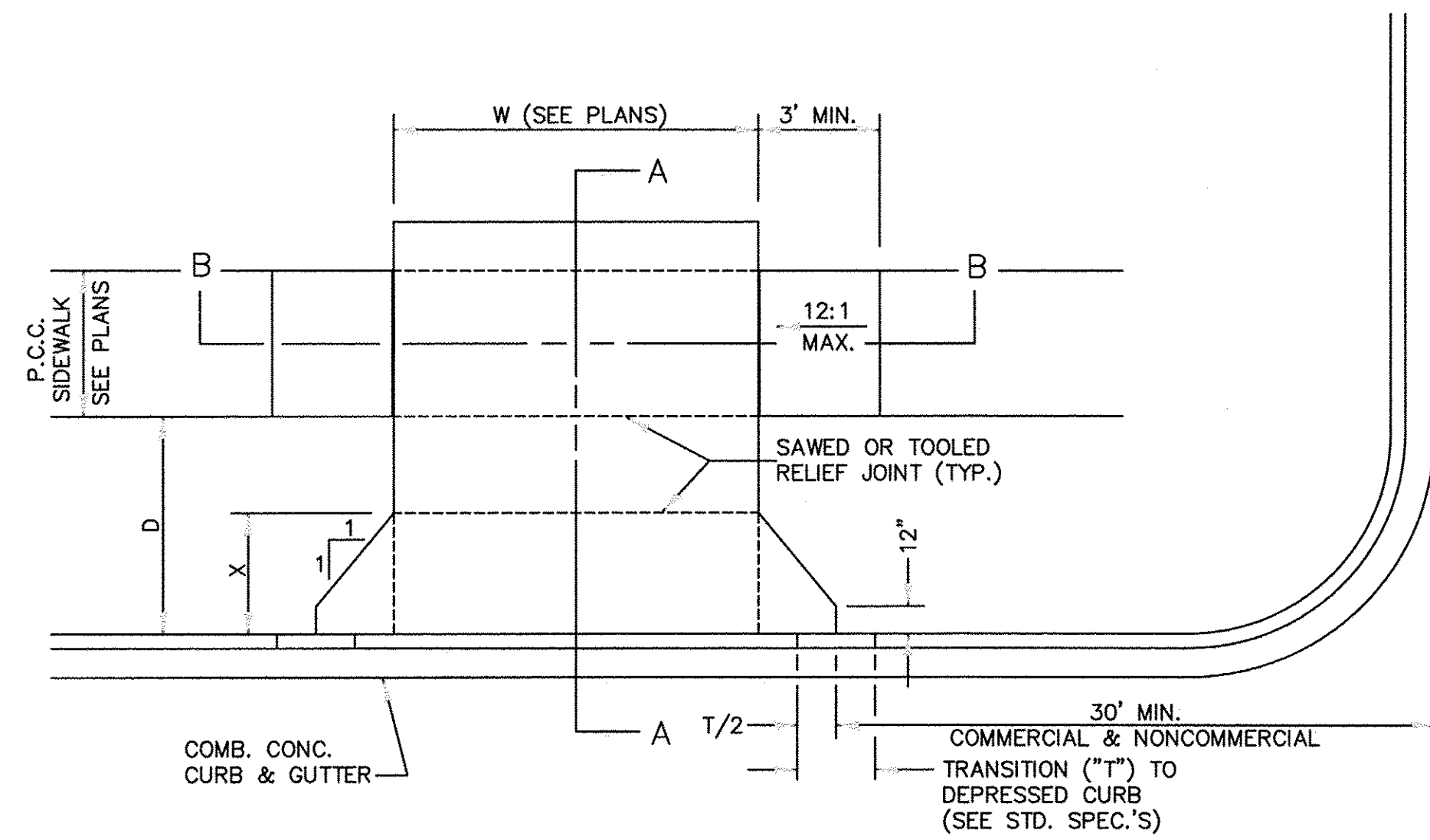
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

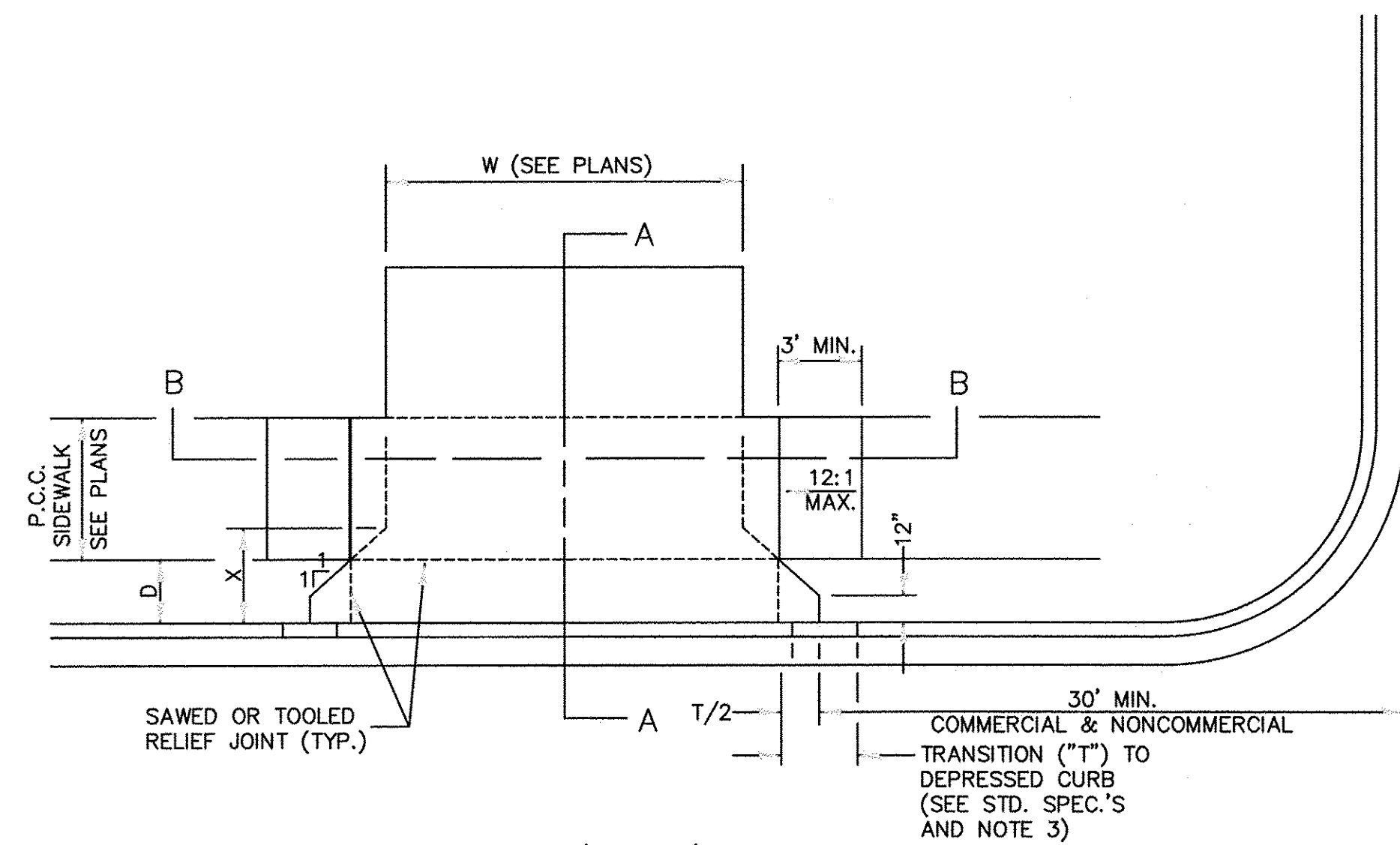
DETAILS

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 46 |
| FILE NO.: 66139.01 Y- | OF 71 |



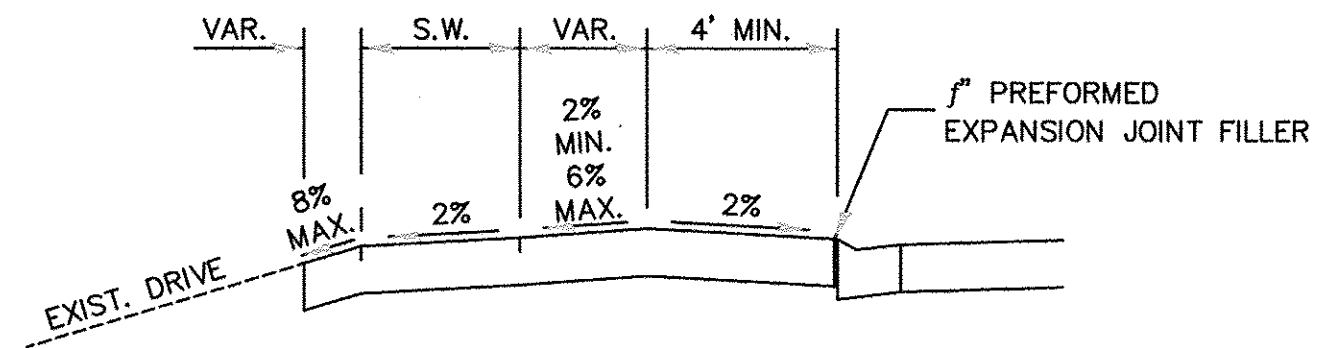
CASE I (D ≥ X)



CASE I (D < X)

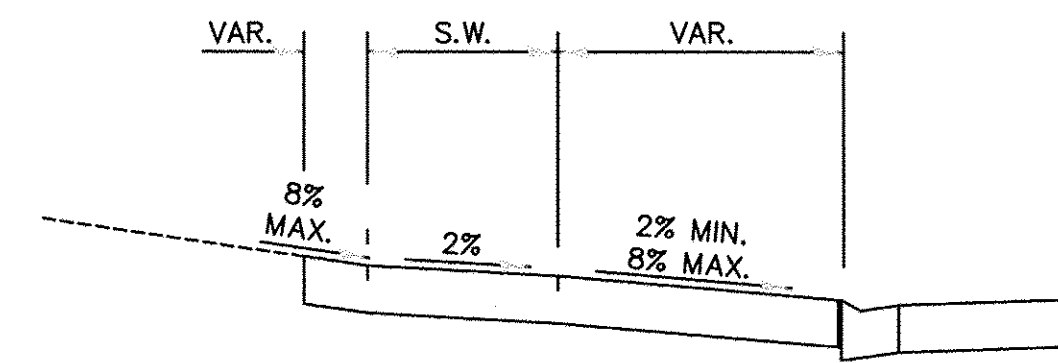
GENERAL NOTES:

1. X = 7' (NON-COMMERCIAL) X = 15' (COMMERCIAL)
2. COST OF EXPANSION JOINTS AND RELIEF JOINTS SHALL BE INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT.
3. AS THE DIMENSION "D" APPROACHES ZERO, THE TRANSITION TO DEPRESSED CURB SHALL BE NO STEEPER THAN 12:1

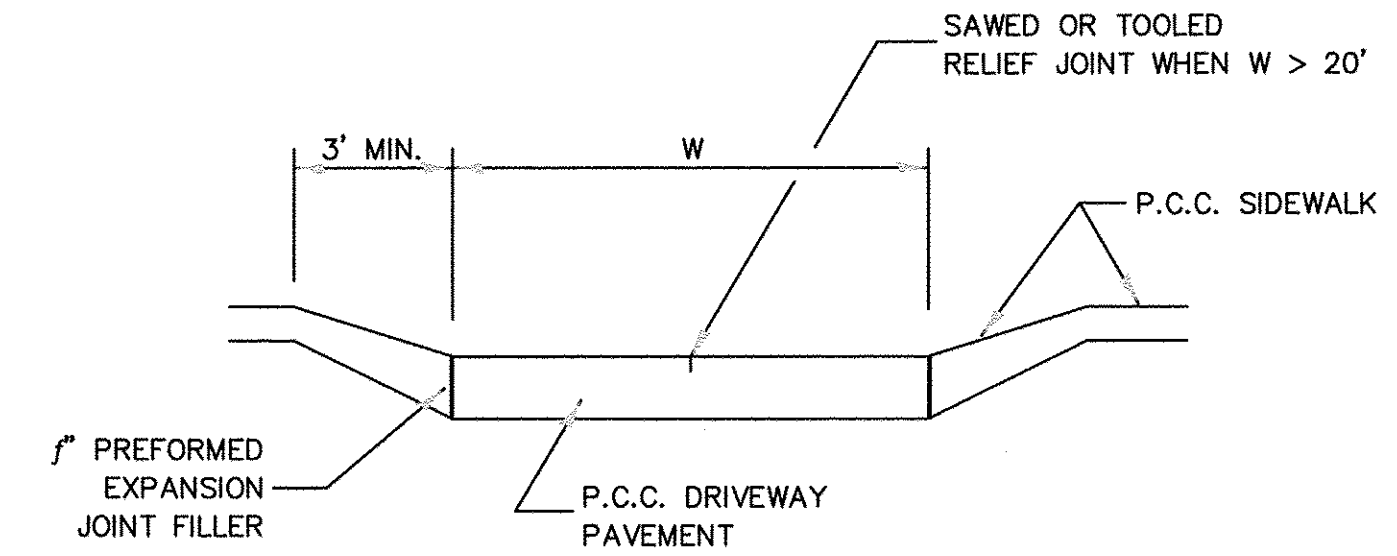


DEPRESSED ENTRANCE *
SECTION A-A

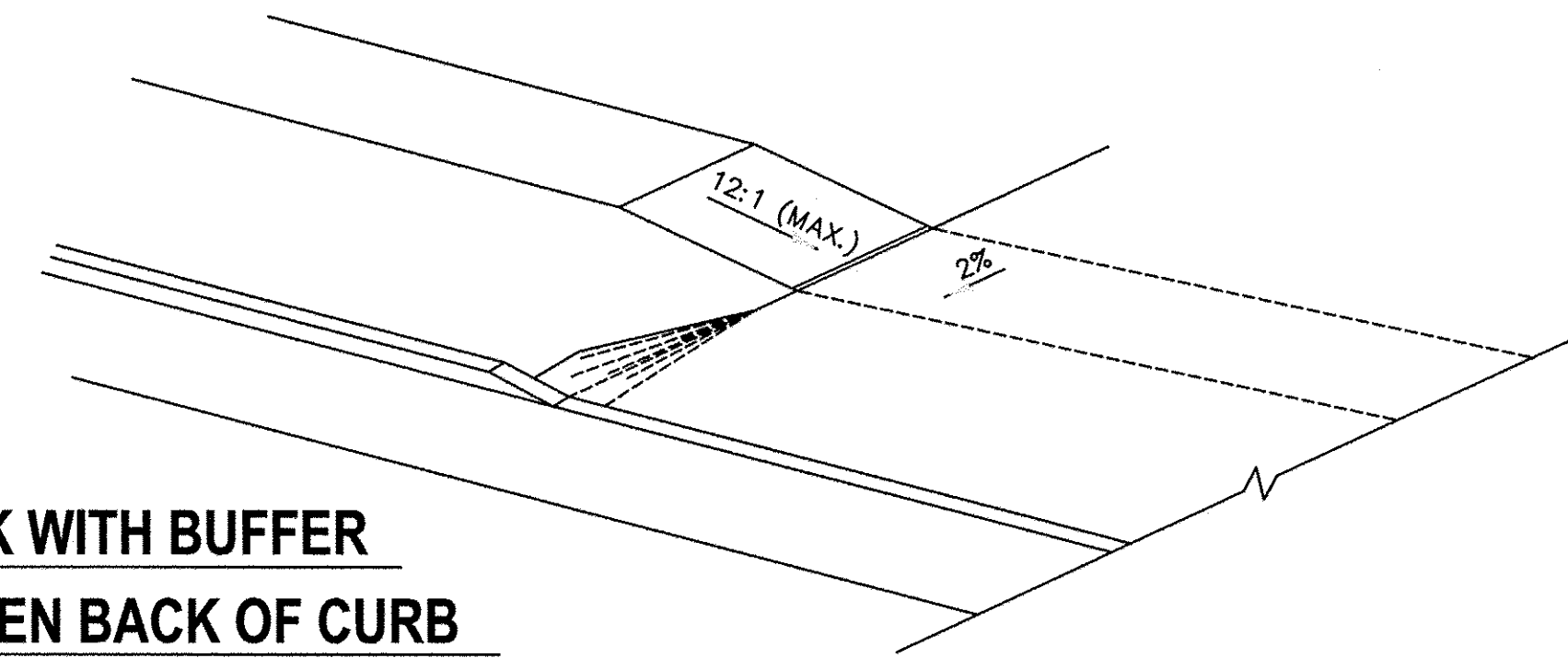
*(SEE X-SECTIONS FOR ENTRANCE PROFILE.)



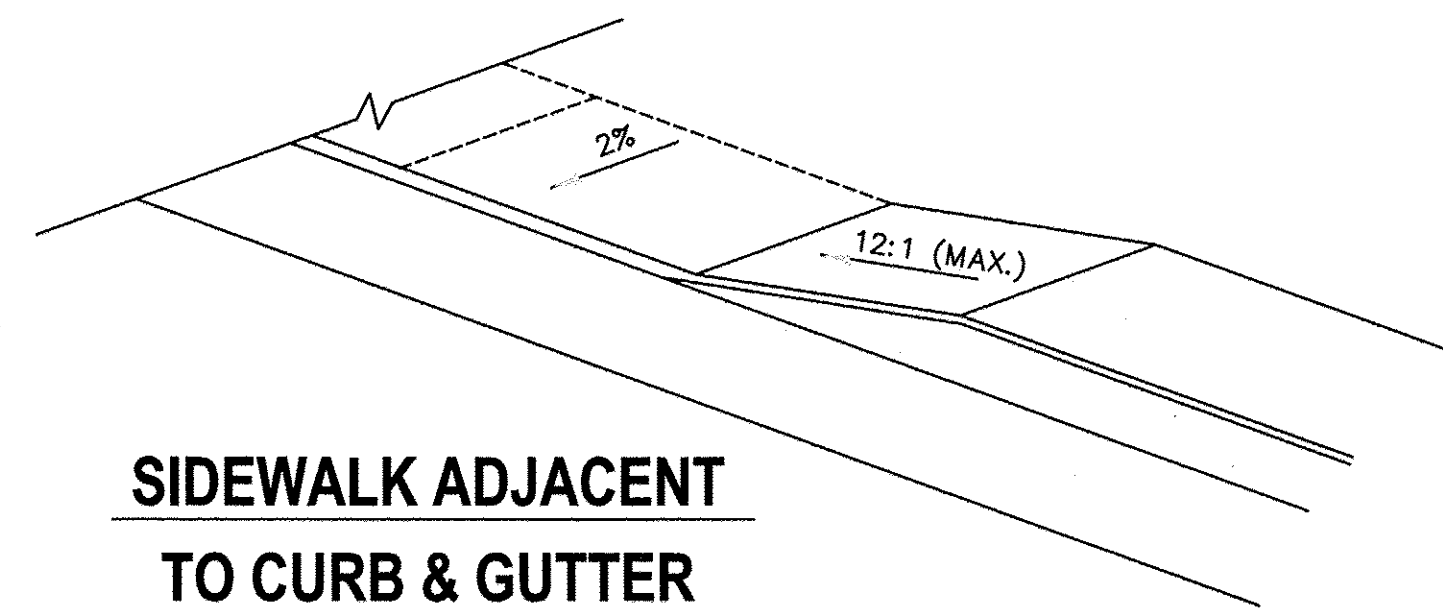
ELEVATED ENTRANCE *
SECTION A-A



SECTION B-B



SIDEWALK WITH BUFFER
AREA BETWEEN BACK OF CURB



SIDEWALK ADJACENT
TO CURB & GUTTER

423-1

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Drawing Name: G:\Users\G. Ubersch\OneDrive\Documents\CHAM\13-EXHIBITION-PHASE-1\CD\PLANS\046-DETS.dwg Last Modified: May 18, 2016 3:29pm Plotted on: May 20, 2016 1:12pm by jmc

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| DRAWN BY: NV | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 01/15 | | | | |

CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

DETAILS

CONSTRUCTION PLANS

| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 47 |
| FILE NO.: 66139.01 Y- | OF 71 |

LAND SECTION MARKERS

NOTES

THE REFERENCE MARKERS SHALL BE CONSTRUCTED BY POURING CLASS SI CONCRETE INTO HOLES PREPARED BY A POST HOLE DIGGER OR OTHER APPROVED METHODS. FORMS WILL NOT BE REQUIRED. PRECAST MARKERS OF THE SAME SIZE AND CONSTRUCTION MAY BE USED.

IN CULTIVATED FIELDS REFERENCE MARKERS SHALL BE PLACED TWO FEET BELOW THE GROUND SURFACE. IN FENCE LINES OR PROTECTED AREAS THE TOP SHALL BE PLACED AT GROUND LEVEL.

THE FOLLOWING WORK SHALL BE DONE UNDER THE DIRECTION OF A REGISTERED LAND SURVEYOR OF THE STATE OF ILLINOIS:

VERIFY AND TIE OFF ALL U.S. PUBLIC LAND SURVEY MONUMENTS, SHOWN IN THE PLANS, PRIOR TO CONSTRUCTION OPERATIONS. TIE POINTS SHALL BE SUFFICIENT IN NUMBER AND IN LOCATIONS AS NOT TO BE DISTURBED DURING CONSTRUCTION OPERATIONS.

AFTER CONSTRUCTION OPERATIONS ARE COMPLETE, INSTALL A PERMANENT SURVEY MARKER OF THE TYPE SPECIFIED TO REPLACE THE U.S. PUBLIC LAND SURVEY MONUMENT THAT WAS DISPLACED OR COVERED DURING CONSTRUCTION. THE LETTERING REFERRING TO THE STATE OF ILLINOIS AND DIVISION OF HIGHWAYS SHALL BE OMITTED FROM THE PERMANENT SURVEY MARKER AND THE MARKER SHALL BE MARKED AS DIRECTED BY THE ENGINEER.

SET FOUR CONCRETE REFERENCE MARKERS FOR EACH U.S. PUBLIC LAND SURVEY MONUMENT.

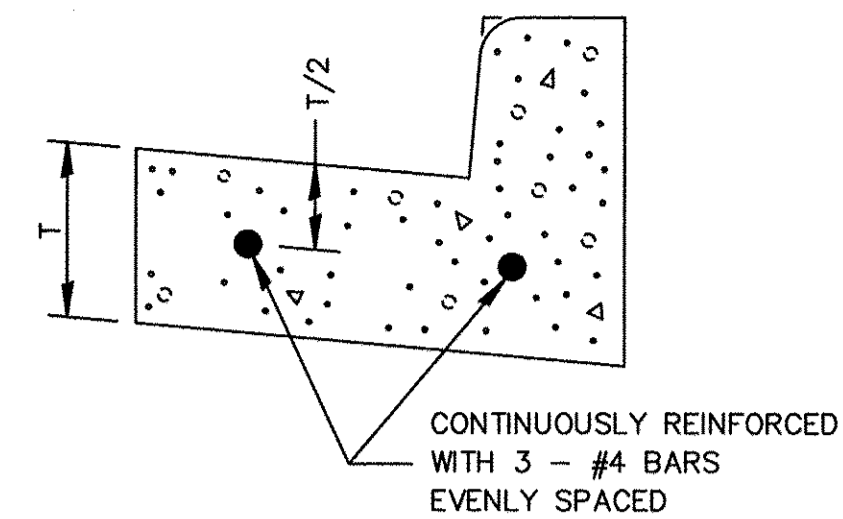
PREPARE MONUMENT RECORDS, FILE THE RECORDS AT THE COUNTY RECORDER'S OFFICE, AND PROVIDE A COPY TO THE DISTRICT OFFICE.

PERMANENT SURVEY MARKERS, OF THE TYPE SPECIFIED

SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, WHICH WILL BE PAYMENT IN FULL FOR FURNISHING, INSTALLING AND MARKING SAID MARKERS.

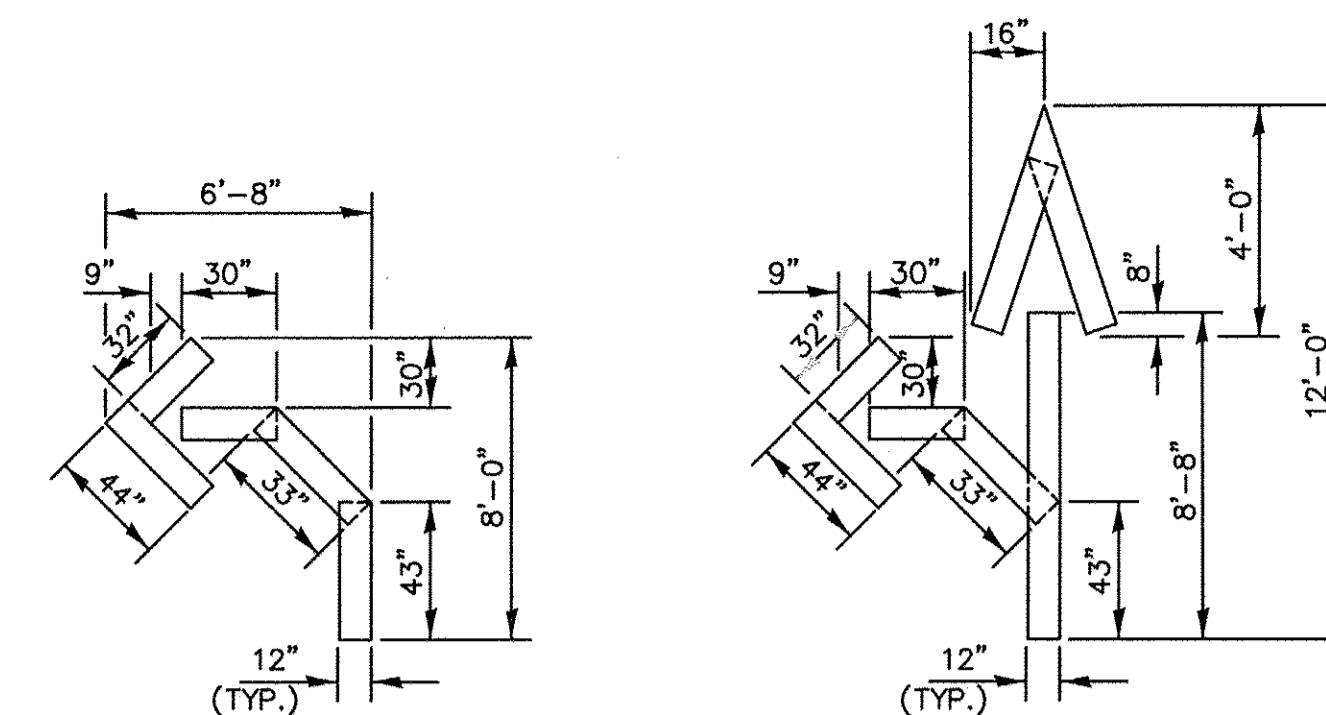
LAND SECTION MARKERS

SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, WHICH WILL BE PAYMENT IN FULL FOR SETTING TIE POINTS, SETTING FOUR CONCRETE REFERENCE MARKERS, PREPARING MONUMENT RECORDS, RECORDING AT COUNTY RECORDER'S OFFICE AND PROVIDING A COPY TO THE DISTRICT OFFICE.



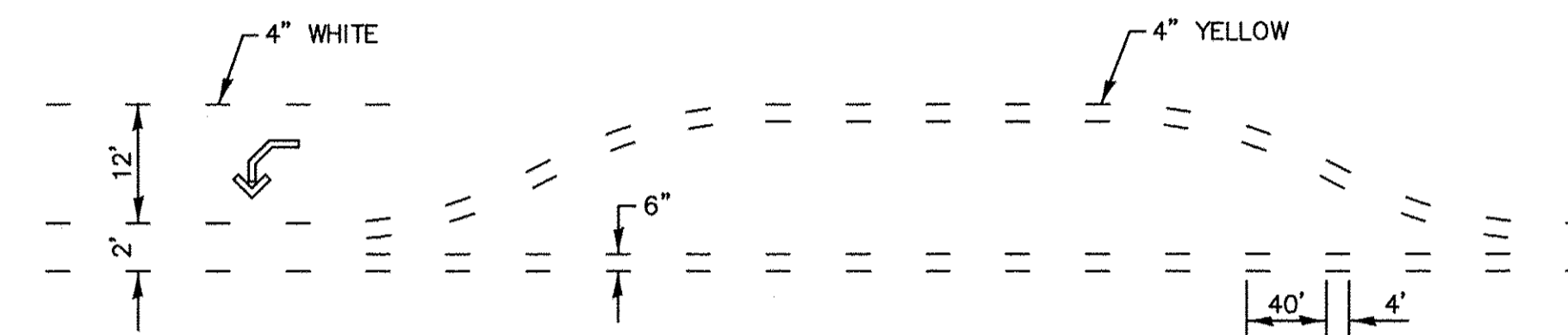
REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 606-7

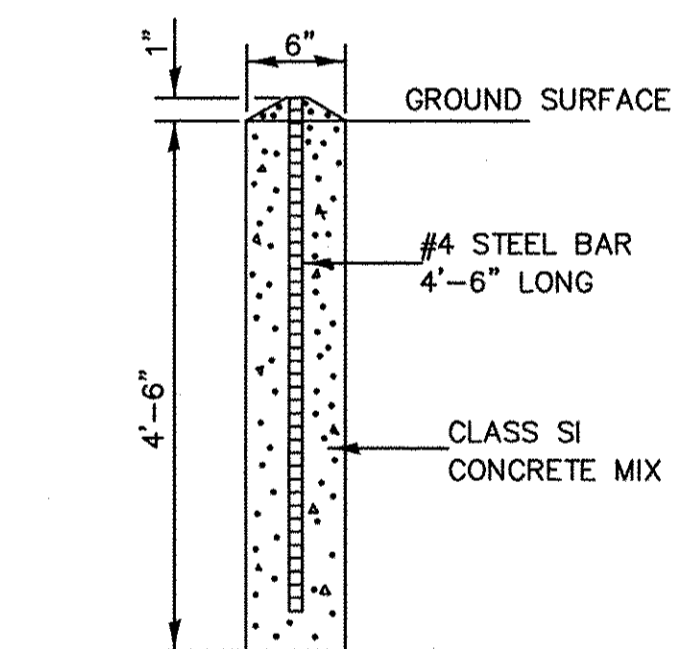
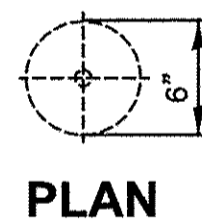
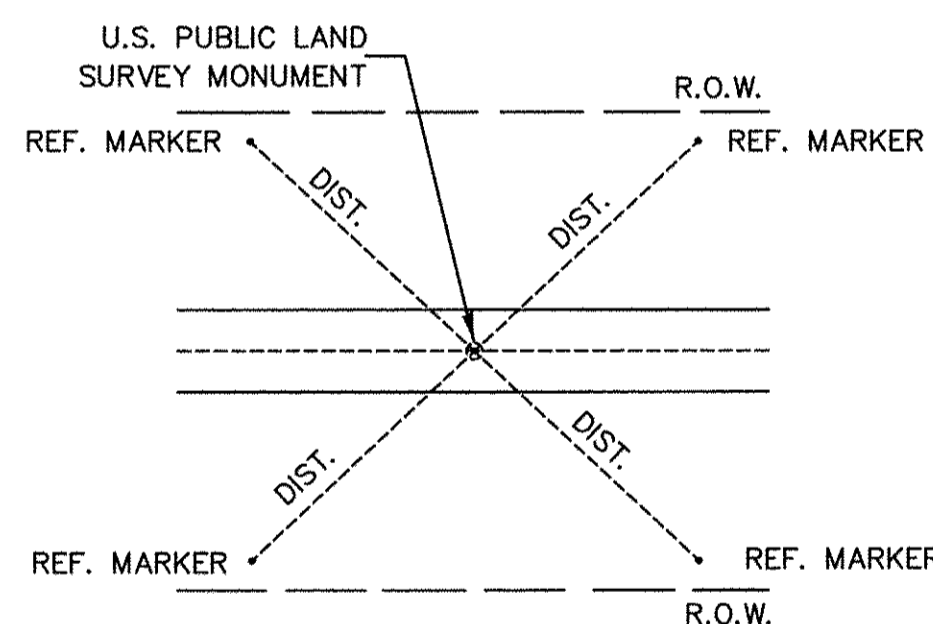


QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.

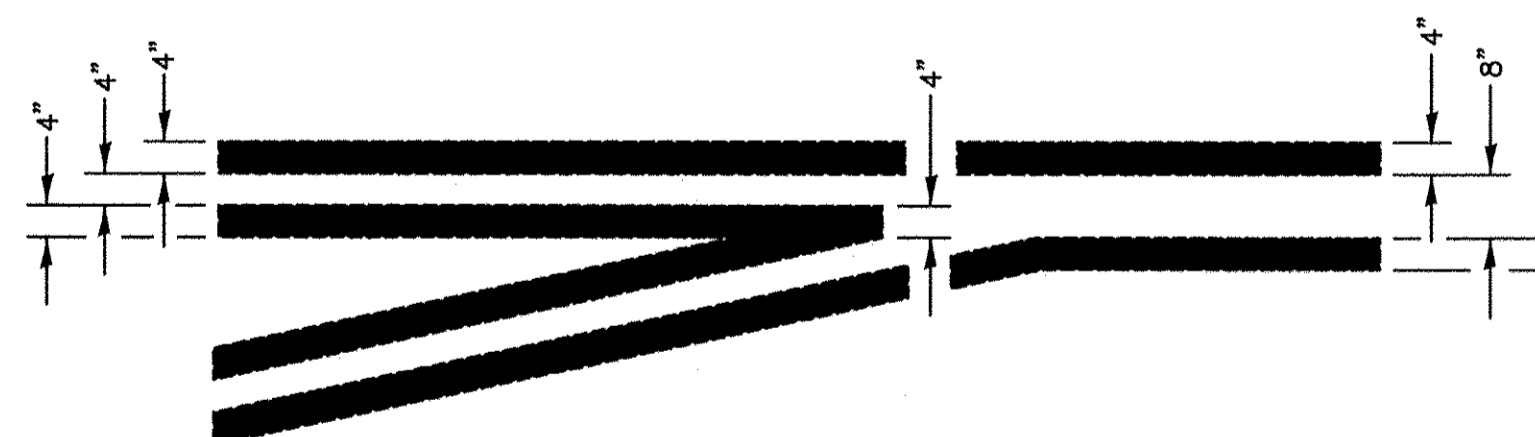


SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS 703-1

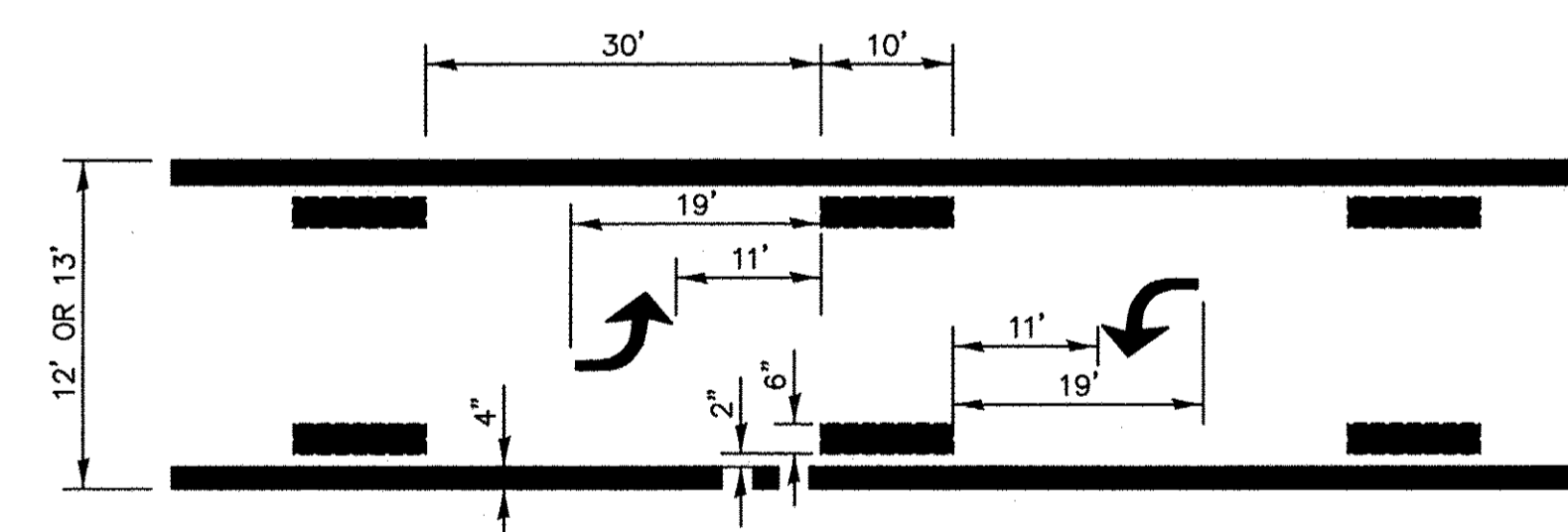


SECTION
CONCRETE REFERENCE MARKER

667-1



TYPICAL APPLICATION @ LEFT TURN LANES 780-1



TYPICAL APPLICATION @ BI-DIRECTIONAL TURN LANE 780-2

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| CHECKED BY: JKC | LEVEL | BY | DATE |
| DATE: 01/15 | | | |

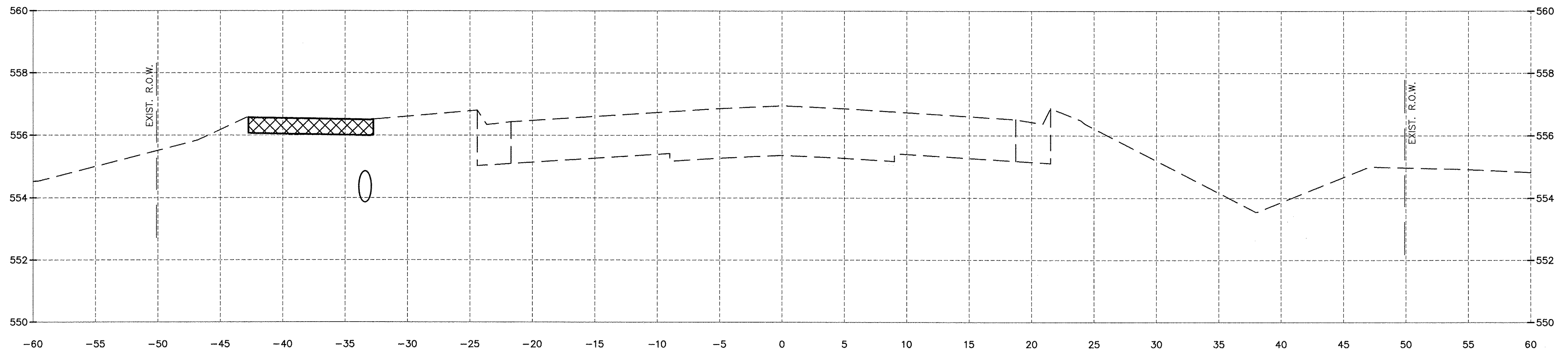
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

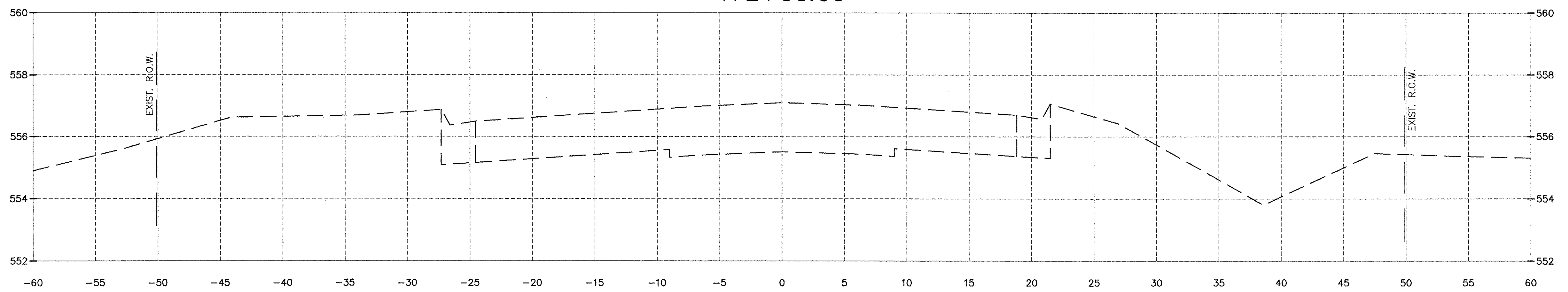
DETAILS

CONSTRUCTION PLANS

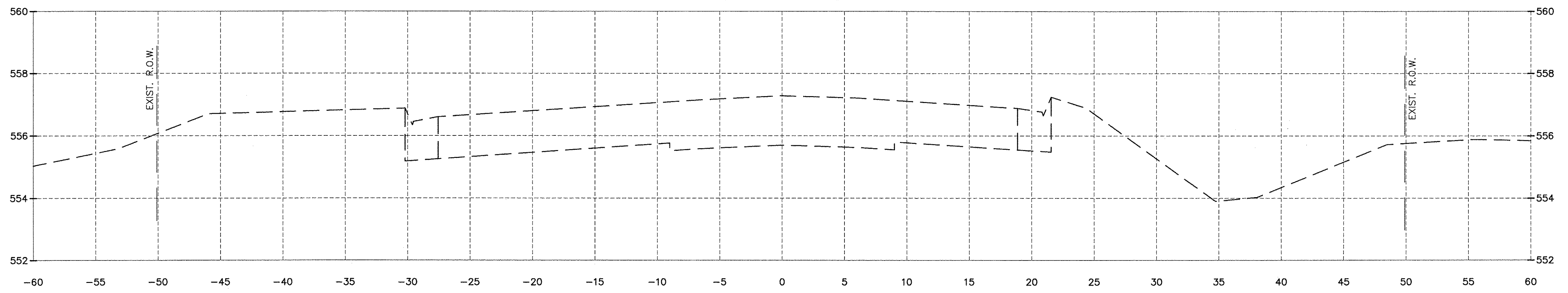
| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 48 |
| FILE NO.: 66139.01 Y- | OF 71 |



172+00.00



171+50.00



171+00.00

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| | LEVEL | BY | DATE |
| CHECKED BY: JKC | | | |
| DATE: 10/14 | | | |

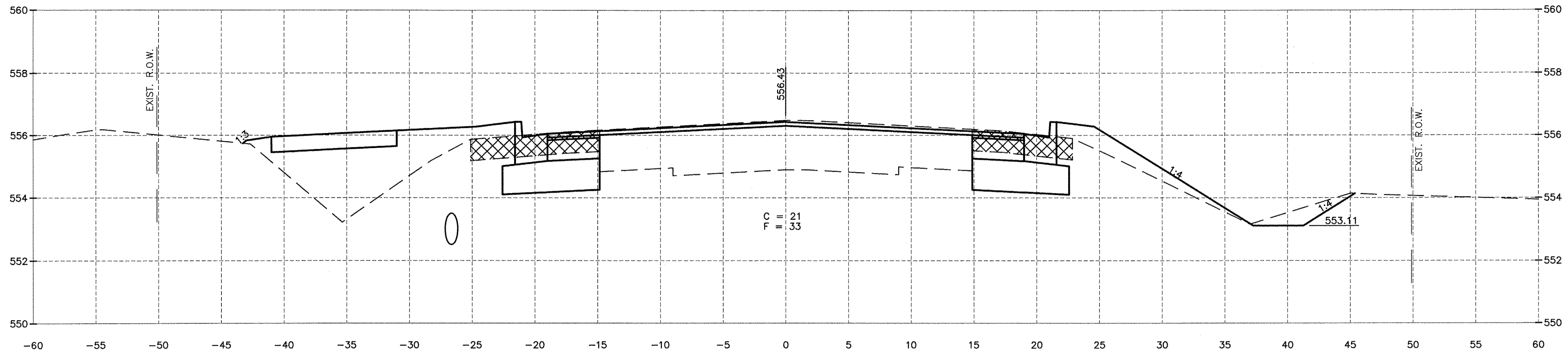
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

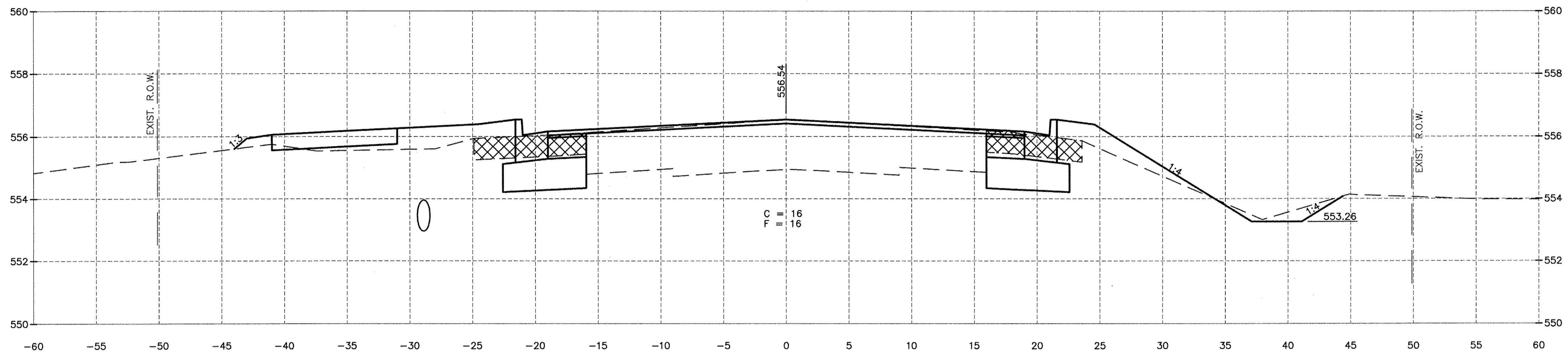
CROSS SECTIONS

CONSTRUCTION PLANS

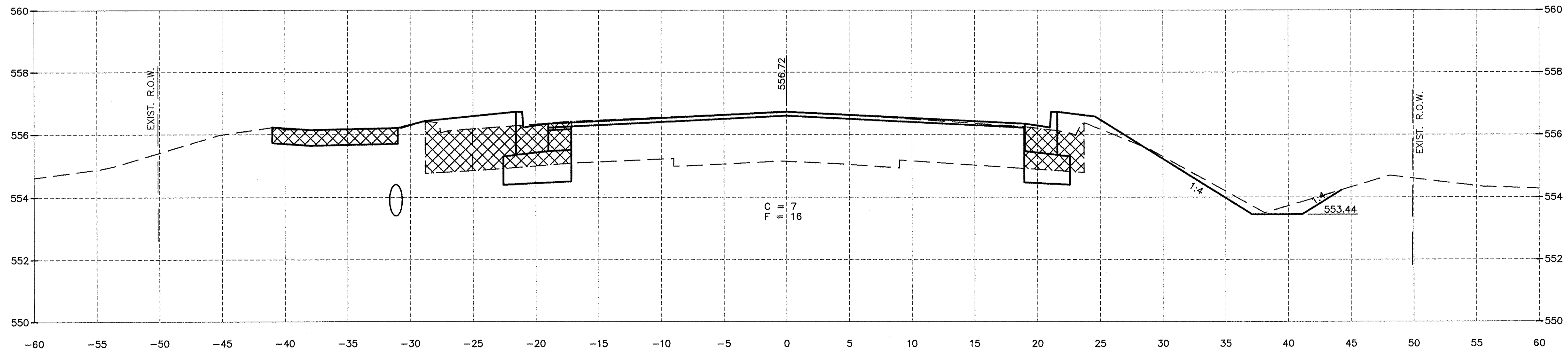
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| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 49 |
| FILE NO.: 66139.01 Y- | OF 71 |



173+50.00



173+00.00



172+50.00

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| DATE: 10/14 | | | | |

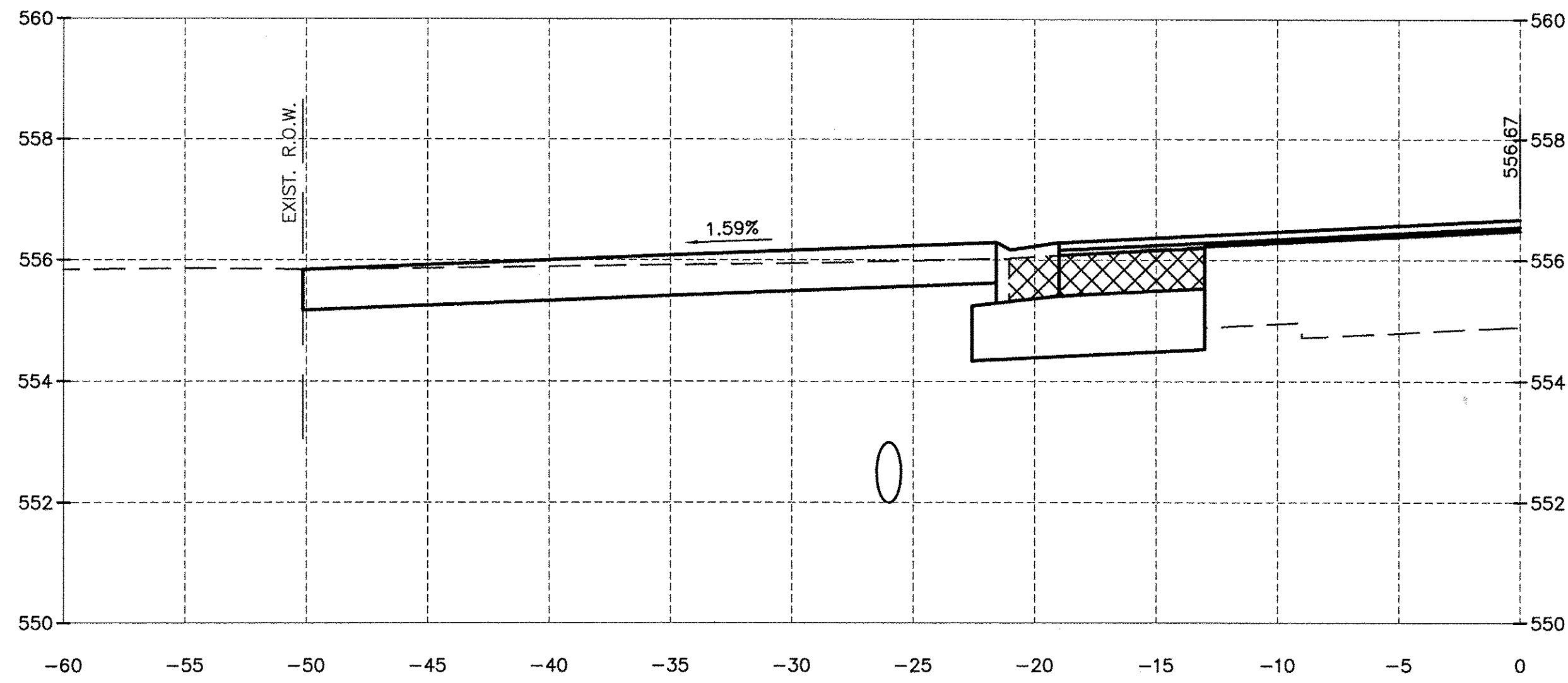
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-VR
VILLAGE OF DIAMOND
WILL COUNTY

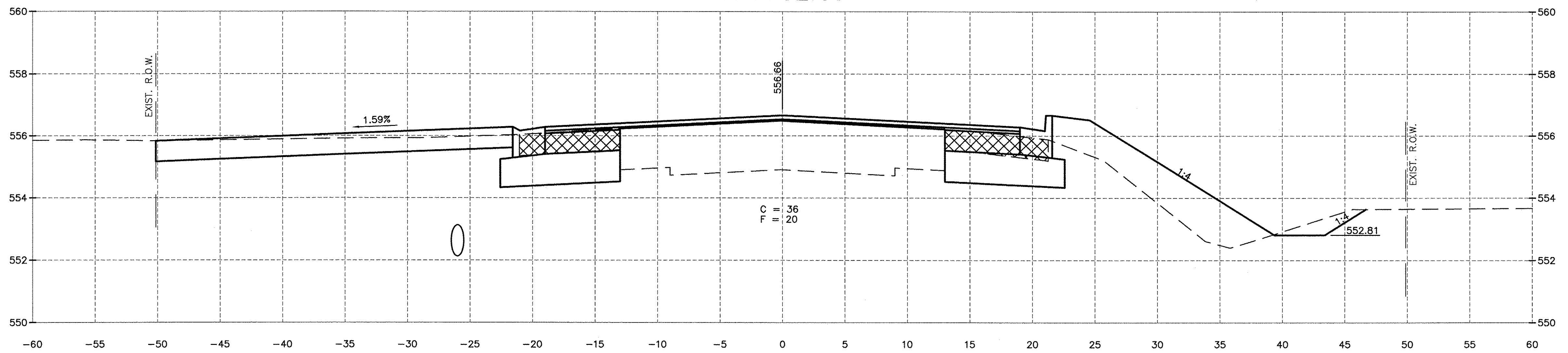
CROSS SECTIONS

CONSTRUCTION PLANS

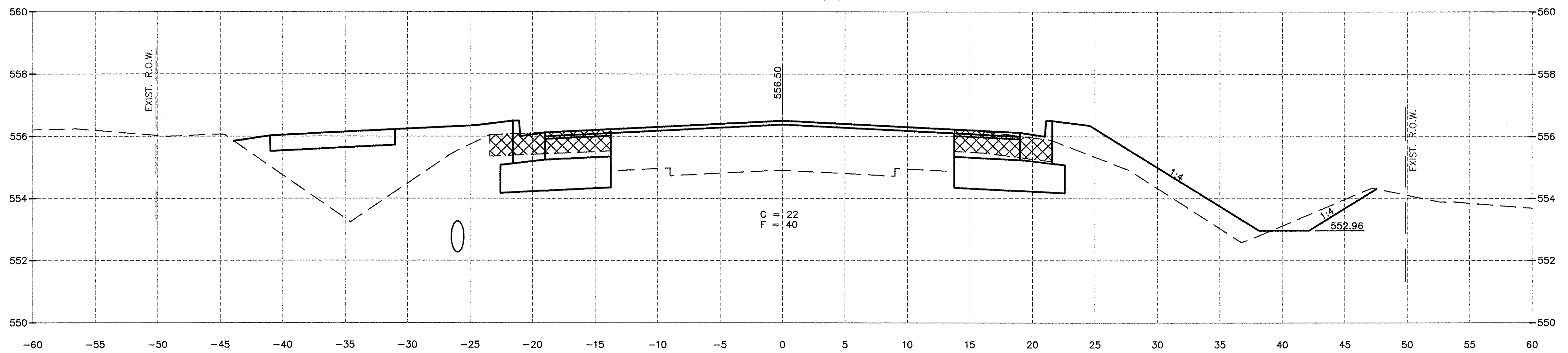
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|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 50 |
| FILE NO.: 66139.01 Y- | OF 71 |



174+52.09



174+50.00



174+00.00

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| DATE: 10/14 | | | | |

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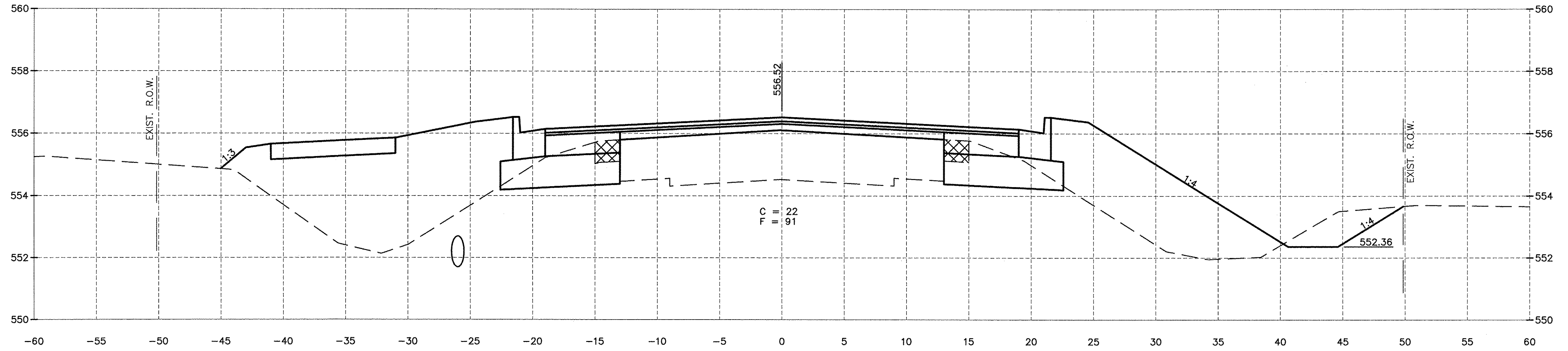
FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

CROSS SECTIONS

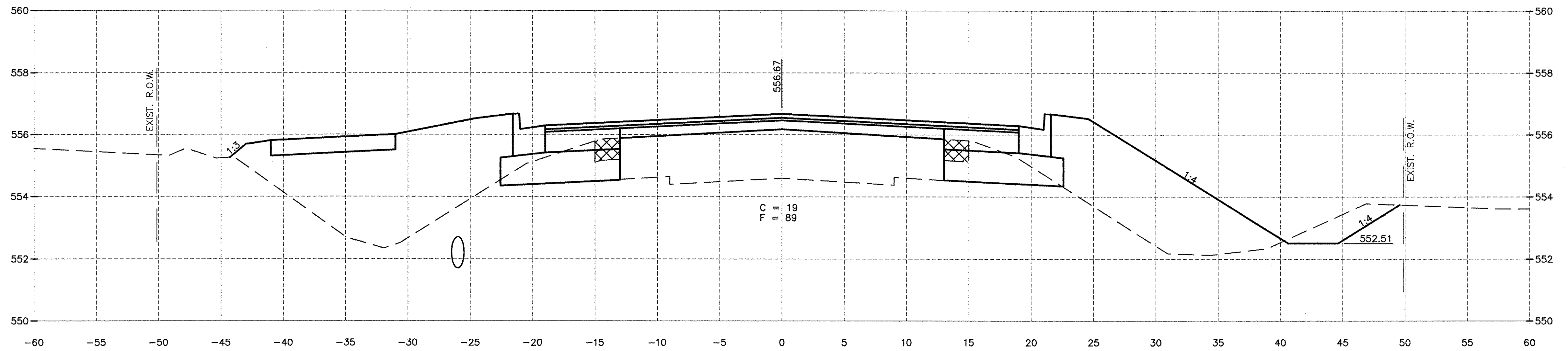
CONSTRUCTION PLANS

| | |
|---------------------------|----------|
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| SCALE: AS NOTED | SHEET 51 |
| FILE NO.: 66139.01 Y- | OF 71 |

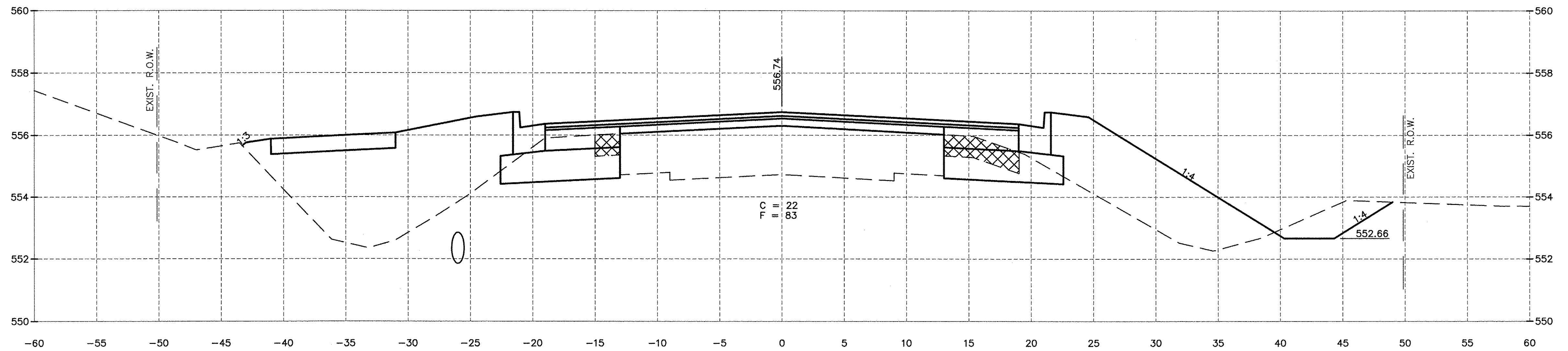
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 Drawing Name: C:\Users\jkc\OneDrive\Documents\14-00010-00-VR\14-00010-00-VR.dwg
 Last Modified: May 20, 2016 8:26am
 Plotted on: May 20, 2016 1:31pm by jkc



176+00.00



175+50.00



175+00.00

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|-----------------|-----------|----|------|-------------|
| DRAWN BY: ARR | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 10/14 | | | | |

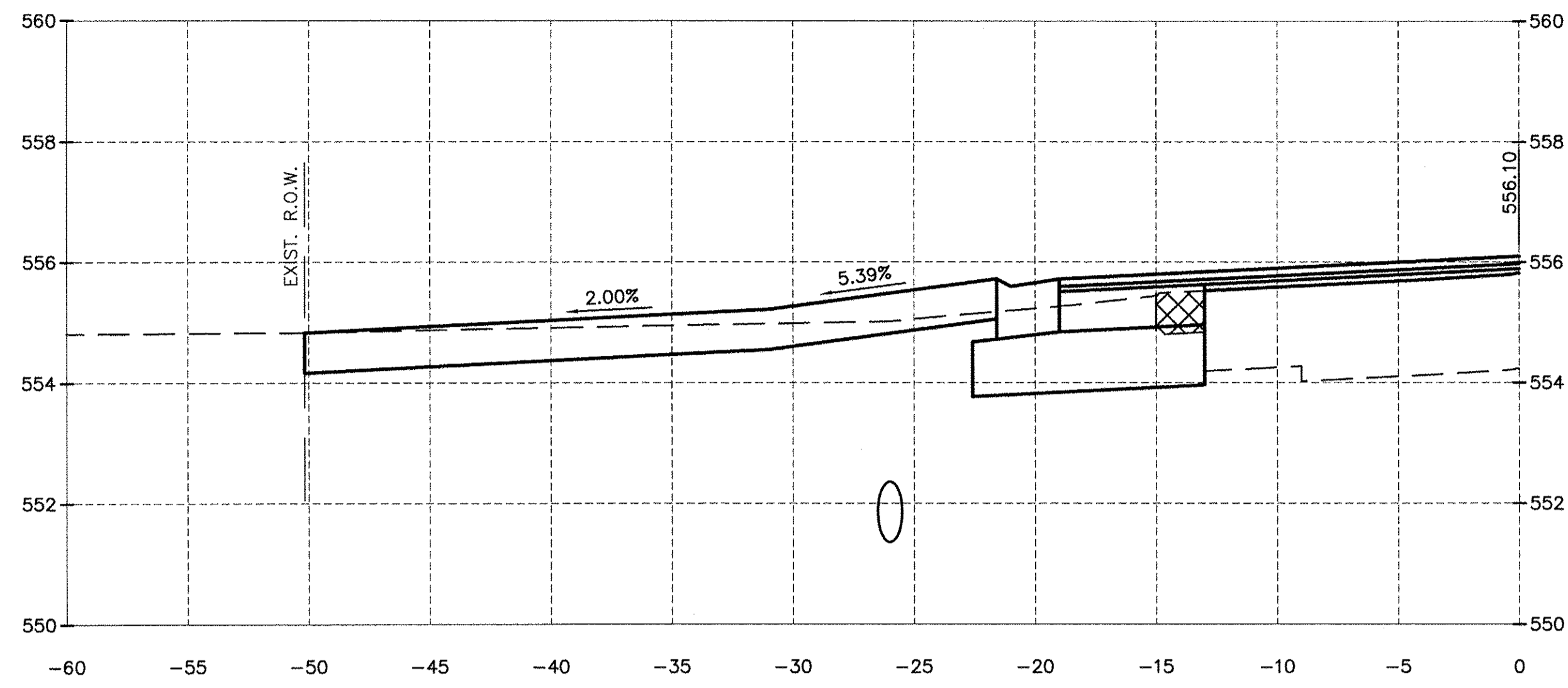
CHAMLIN & ASSOCIATES, INC.
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FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

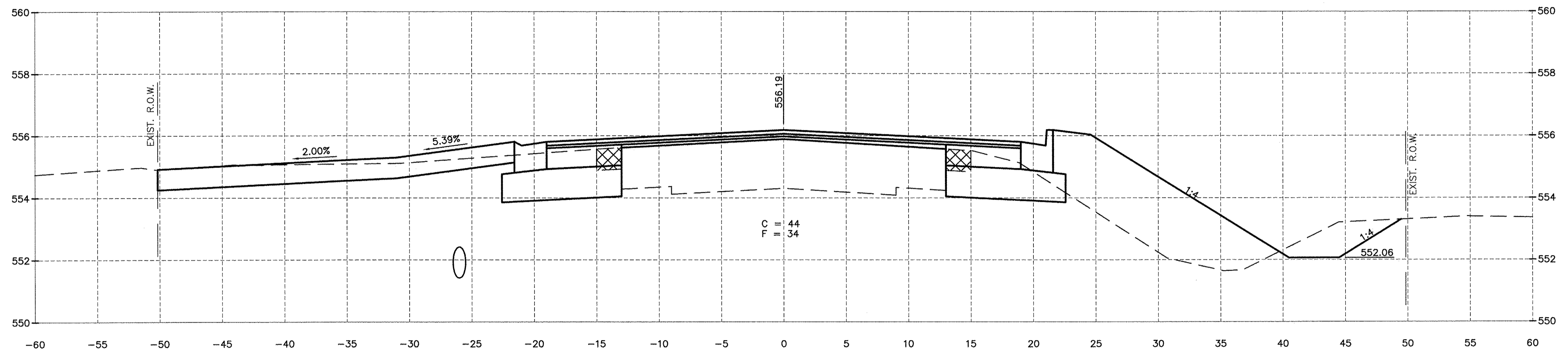
CROSS SECTIONS

CONSTRUCTION PLANS

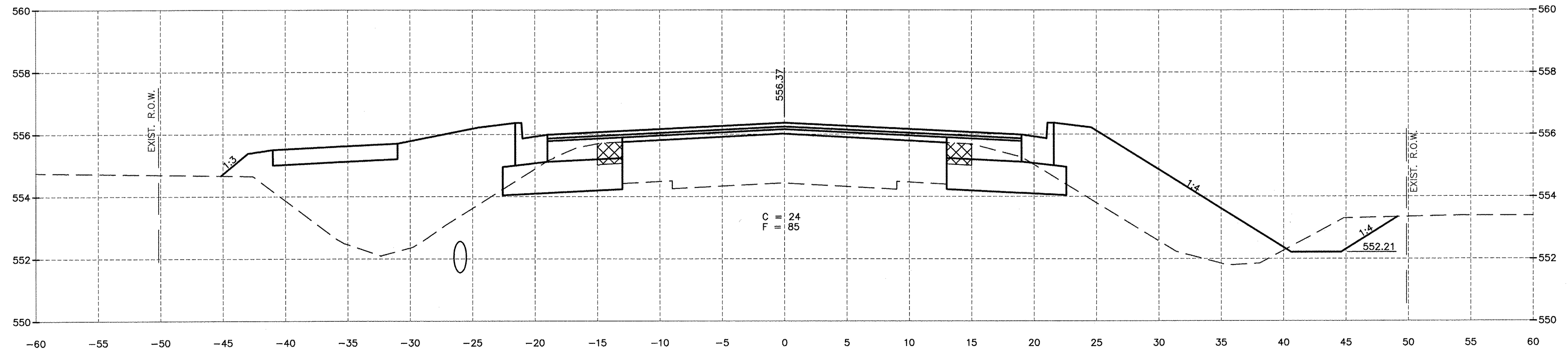
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| CONTRACT NO. 87606 | CURRENT AS OF: 05/18/2016 |
| SCALE: AS NOTED | SHEET 52 |
| FILE NO.: 66139.01 Y- | OF 71 |



177+21.86



177+00.00



176+50.00

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| DATE: 10/14 | | | | |

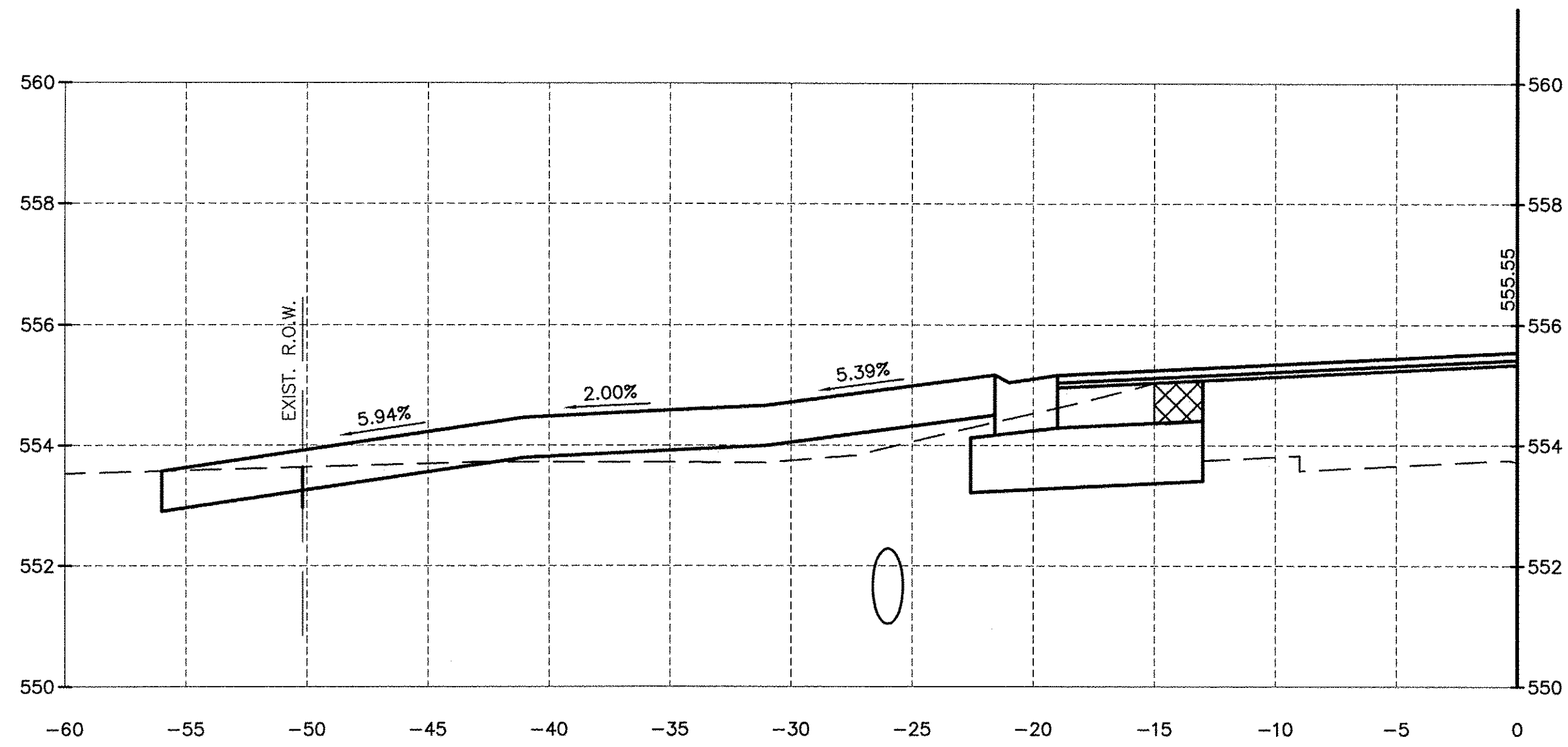
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PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

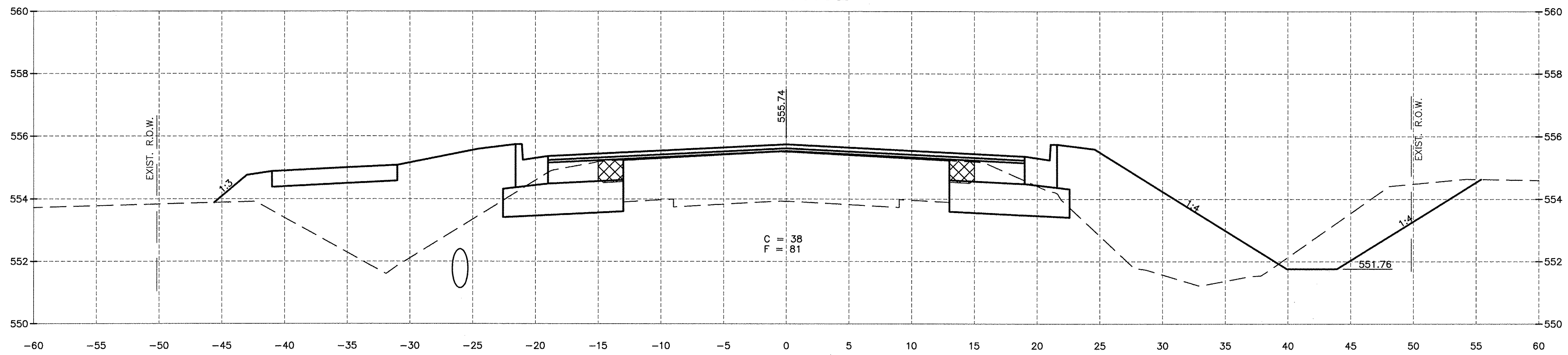
CROSS SECTIONS

CONSTRUCTION PLANS

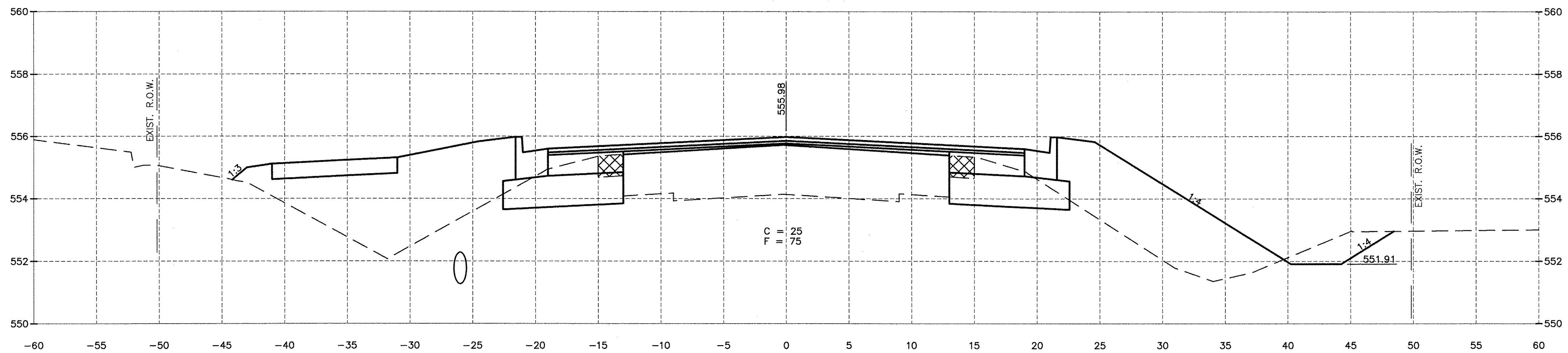
| | |
|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 53 |
| FILE NO.: 66139.01 Y- | OF 71 |



178+40.52



178+00.00



177+50.00

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|-----------------|-----------|----|------|-------------|
| DRAWN BY: ARR | REVISIONS | | | |
| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
| DATE: 10/14 | | | | |

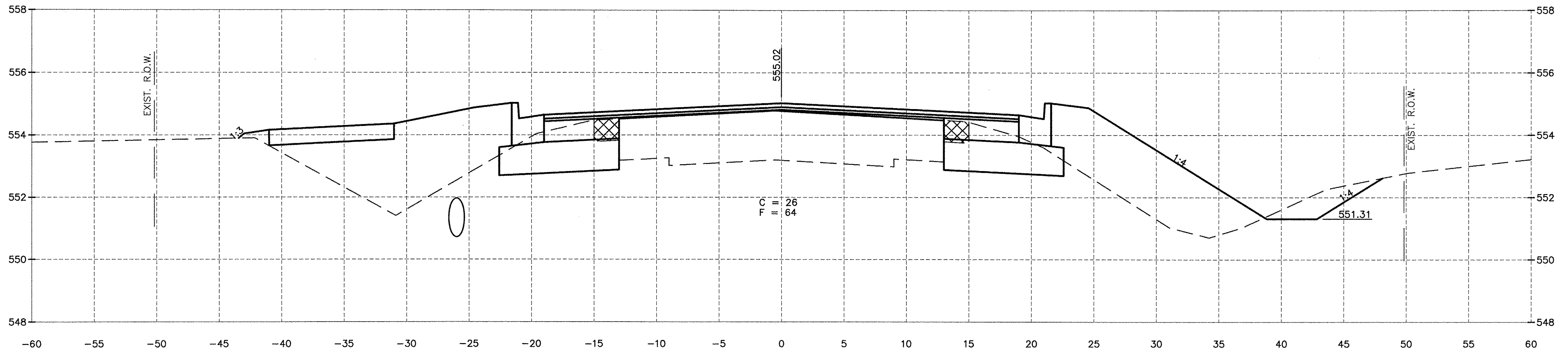
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

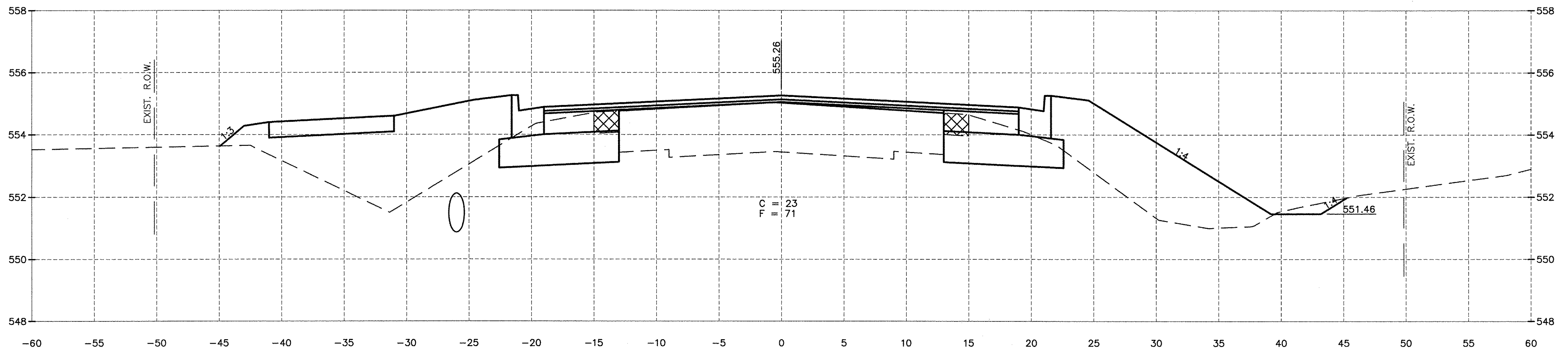
CROSS SECTIONS

CONSTRUCTION PLANS

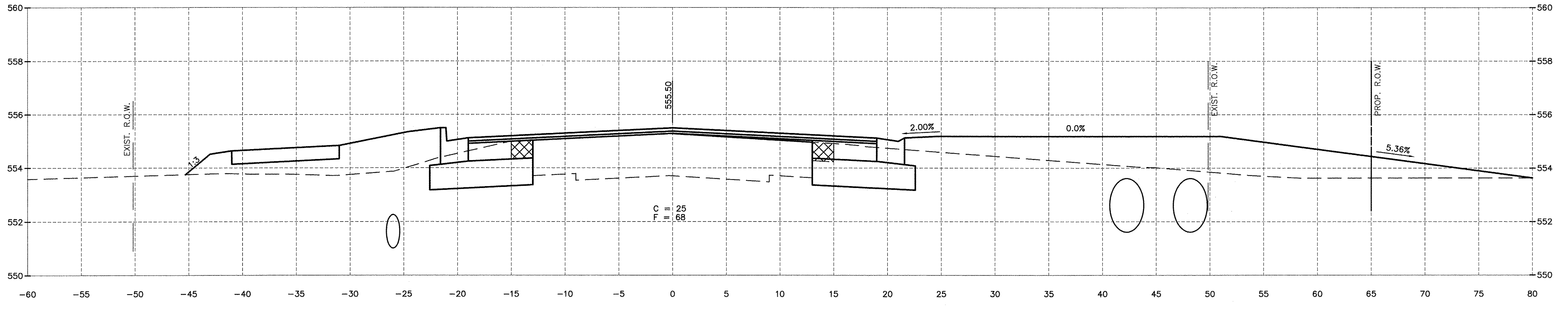
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| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 54 |
| FILE NO.: 66139.01 Y- | OF 71 |



179+50.00



179+00.00



178+50.00

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Drawing Name: G:\Users\jmorris\OneDrive\Projects\14-00010-00-VR\14-00010-00-VR.dwg Last Modified: May 20, 2016 1:35pm by jmorris
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| DATE: 10/14 | | | | |

CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

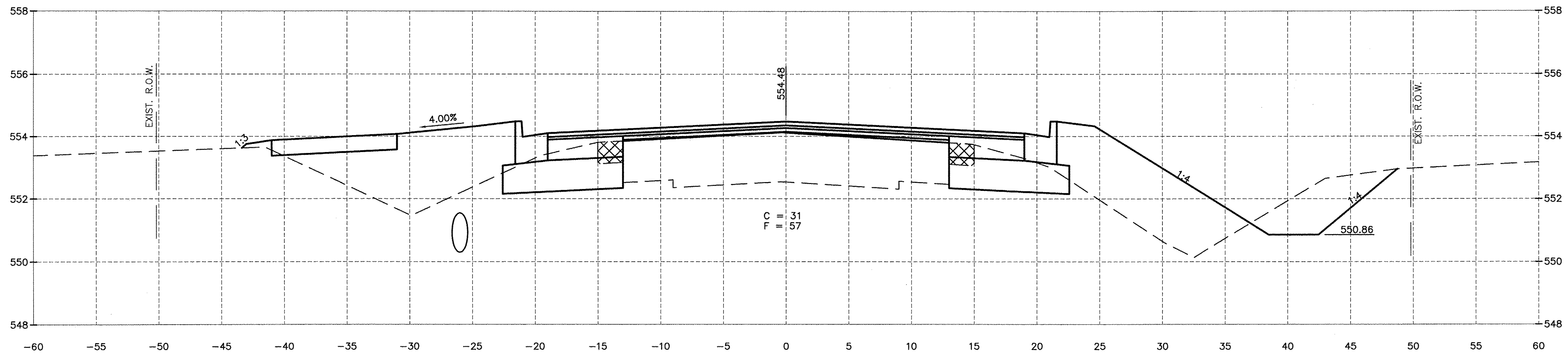
FAU 383 SECTION 14-00010-00-VR VILLAGE OF DIAMOND WILL COUNTY

CROSS SECTIONS

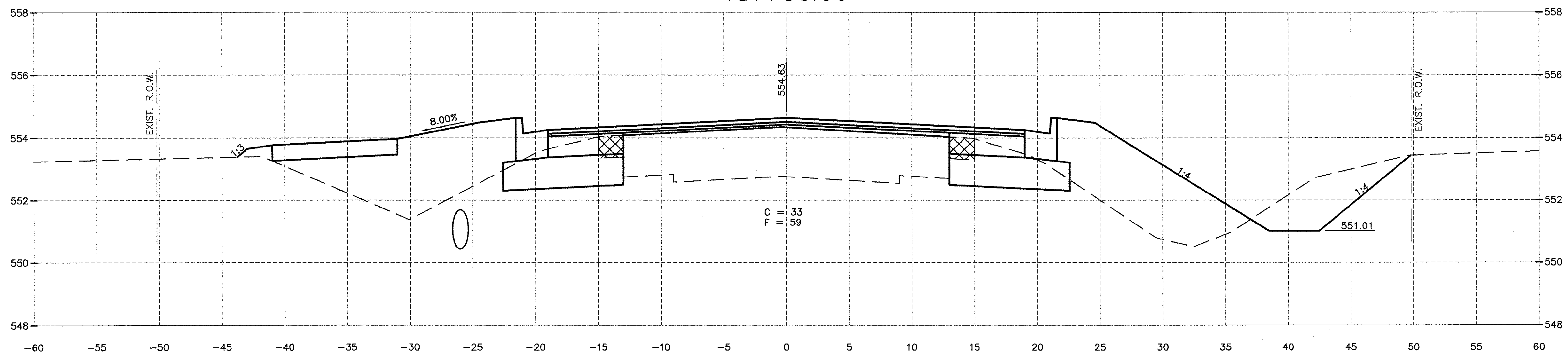
CONSTRUCTION PLANS

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| SCALE: AS NOTED | SHEET 55 | | |
| FILE NO.: 66139.01 Y- | OF | 71 | |

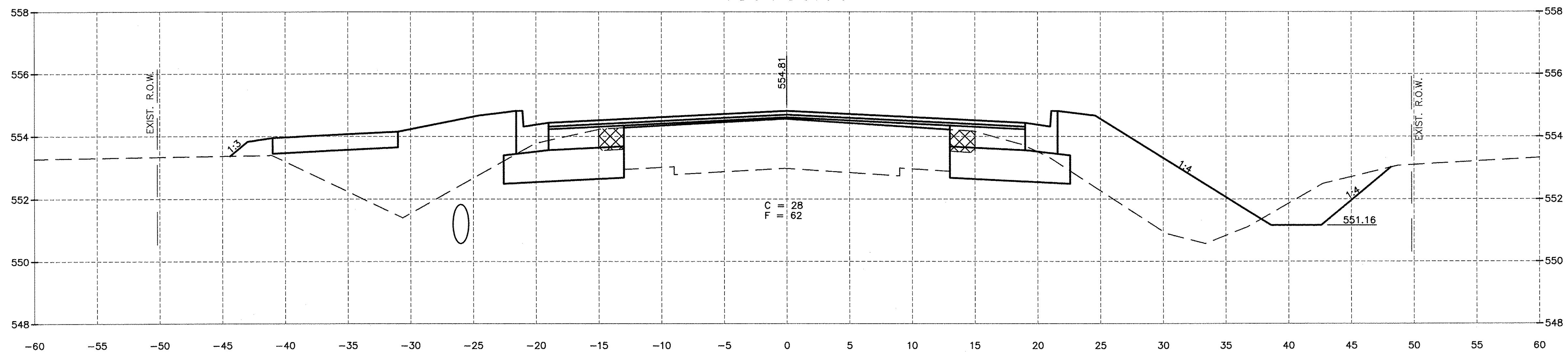
CHAMLIN & ASSOCIATES, INC. © 2014
 Drawing Name: G:\Users\G\OneDrive\CHAMLIN\Projects\14-00010-00-VR\14-00010-00-VR-14.dwg Last Modified: May 20, 2016 - 8:26am Plotted on: May 20, 2016 - 1:35pm by jmc



181+00.00



180+50.00



180+00.00

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| DRAWN BY: ARR | REVISIONS | | | |
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| DATE: 10/14 | | | | |

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 PERU MORRIS ILLINOIS

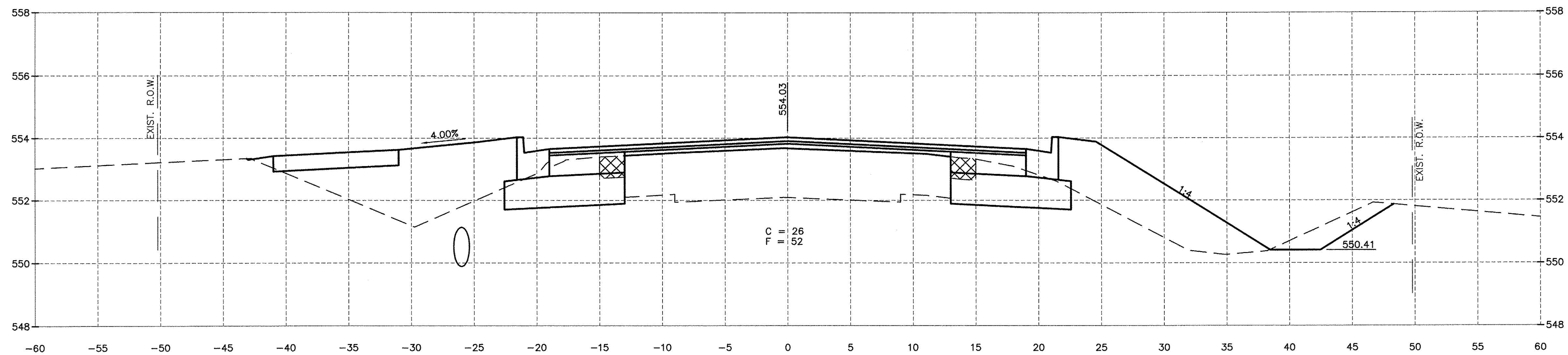
FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

CROSS SECTIONS

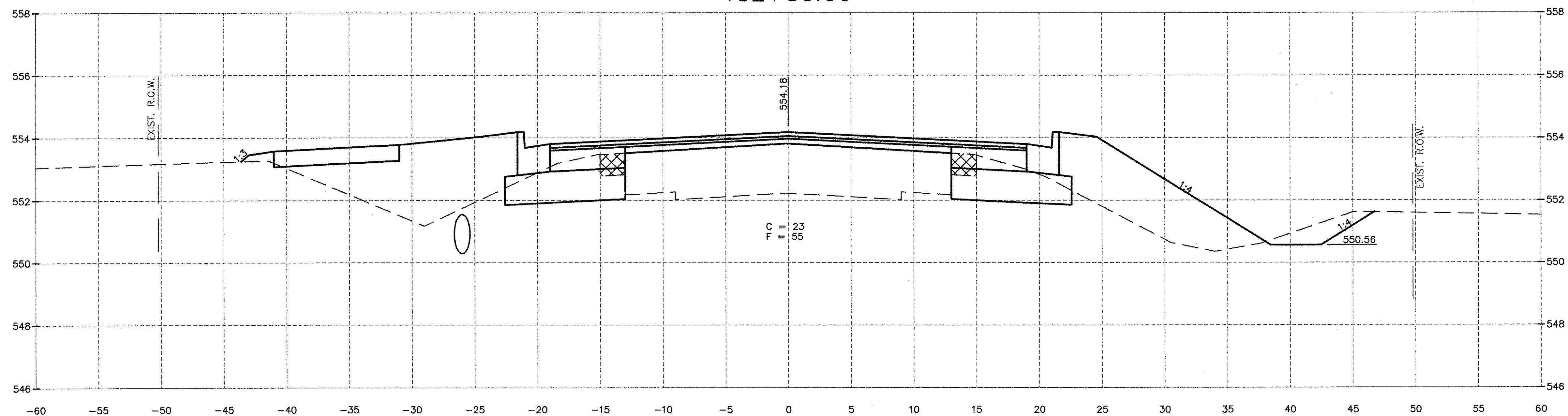
CONSTRUCTION PLANS

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| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 56 |
| FILE NO.: 66139.01 Y- | OF 71 |

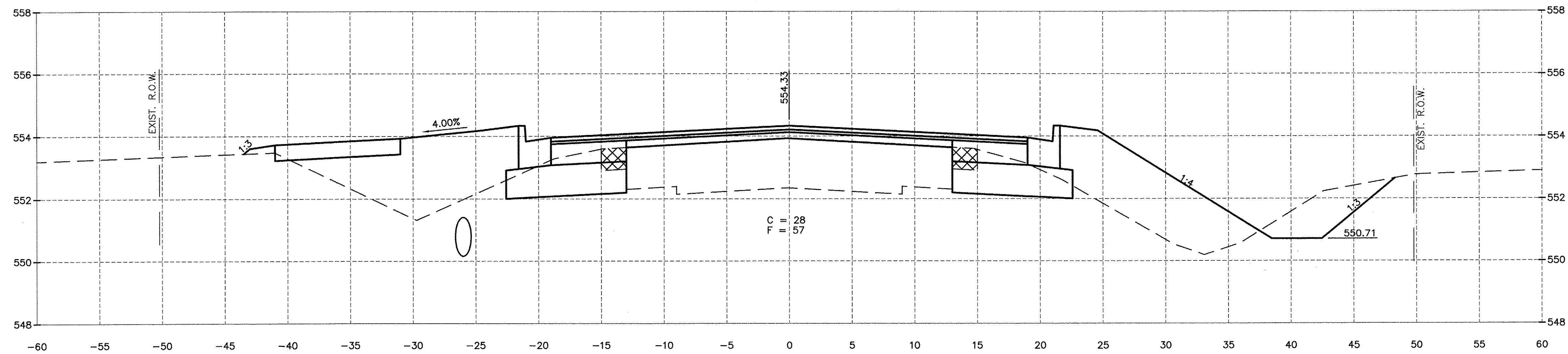
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182+50.00



182+00.00



181+50.00

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| DATE: 10/14 | | | | |

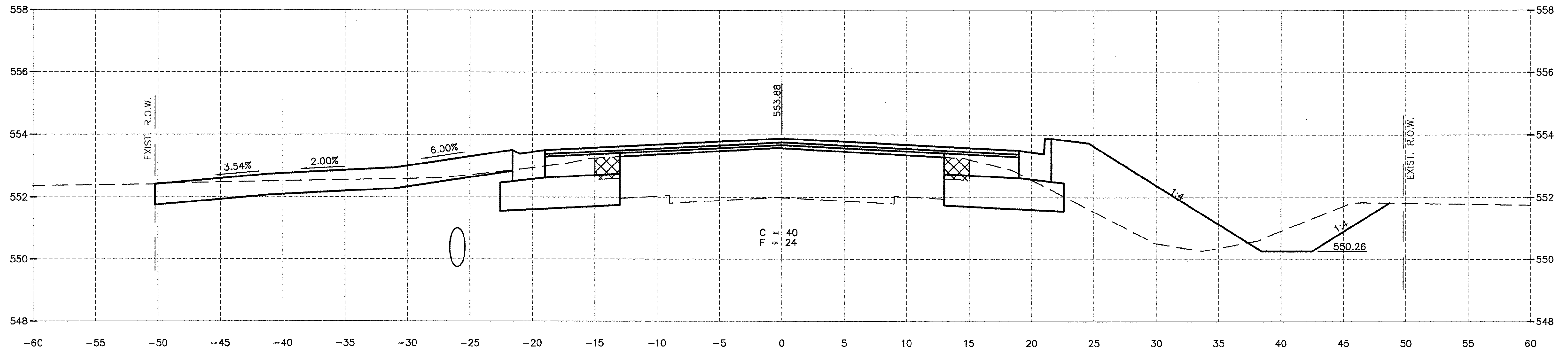
CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

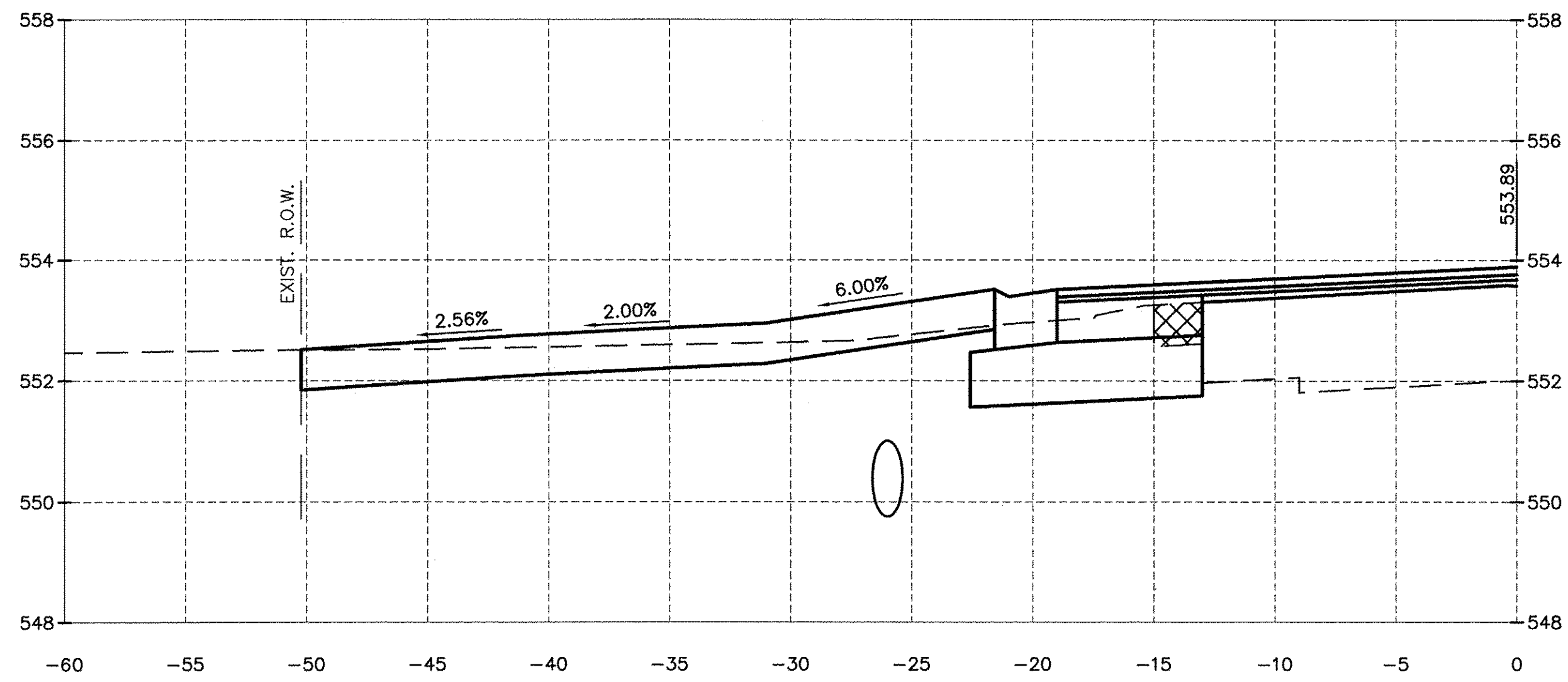
CROSS SECTIONS

CONSTRUCTION PLANS

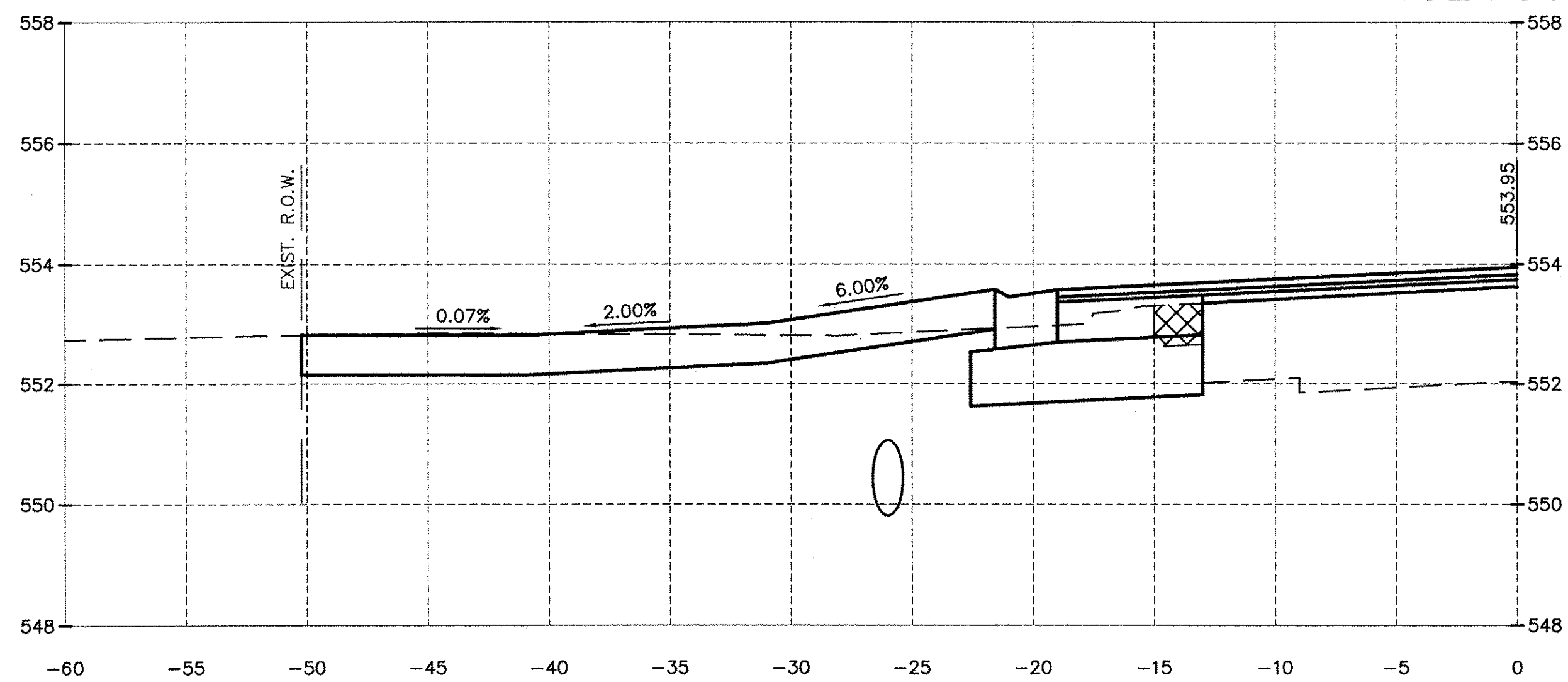
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| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 57 |
| FILE NO.: 66139.01 Y- | OF 71 |



183+00.00



182+96.38



182+77.03

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 Drawing Name: C:\Users\G.UBERS\Documents\14-00010-00-14-000-14.dwg Last Modified: May 20, 2016 8:26am Plotted on: May 20, 2016 1:35pm by jmc

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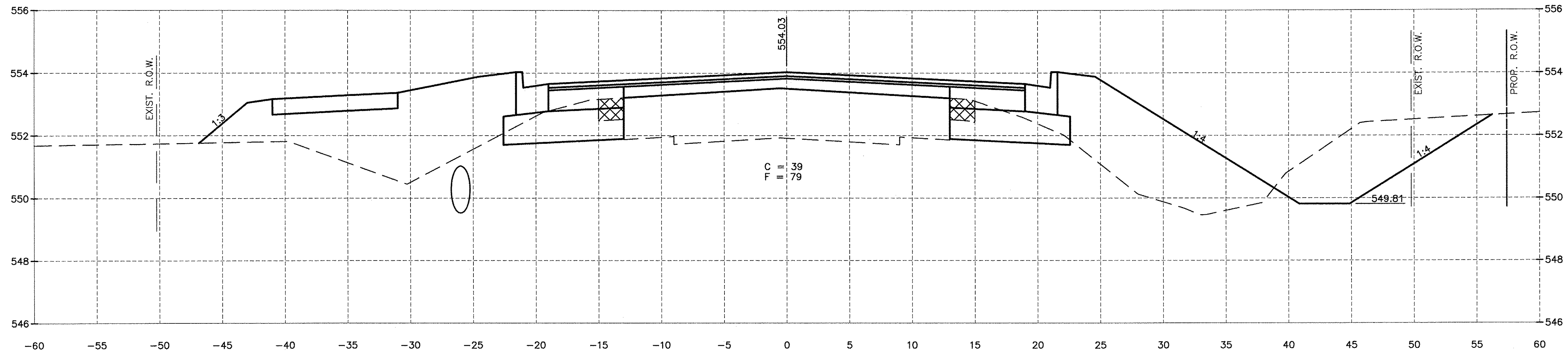
CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

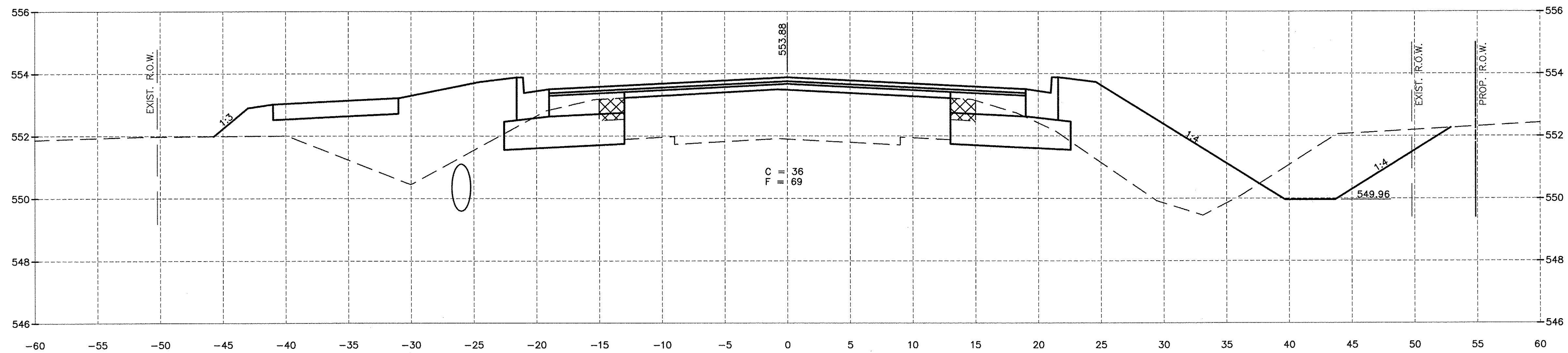
CROSS SECTIONS

CONSTRUCTION PLANS

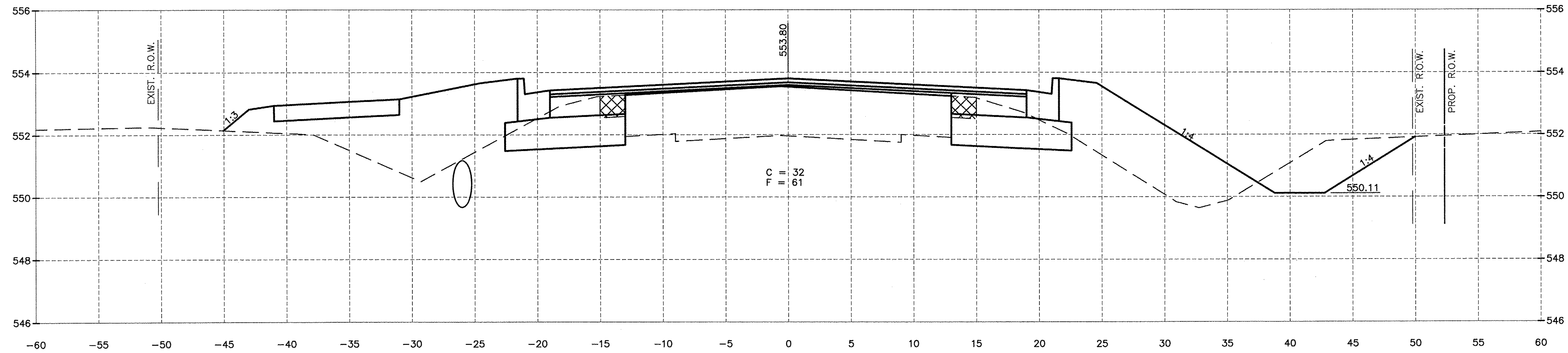
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| CONTRACT NO. 87606 | CURRENT AS OF: 05/18/2016 |
| SCALE: AS NOTED | SHEET 58 |
| FILE NO.: 66139.01 | Y- OF 71 |



184+50.00



184+00.00



183+50.00

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Drawing Name: C:\Users\jmc\Documents\14-00010-00\14-00010-00-01-113-EXTENSION-PHASE-1\CAD\C3D\ETOPD-9-23-14.dwg Last Modified: May 20, 2016 8:26am Plotted on: May 20, 2016 1:37pm by jmc

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CHAMLIN & ASSOCIATES, INC.
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ILLINOIS

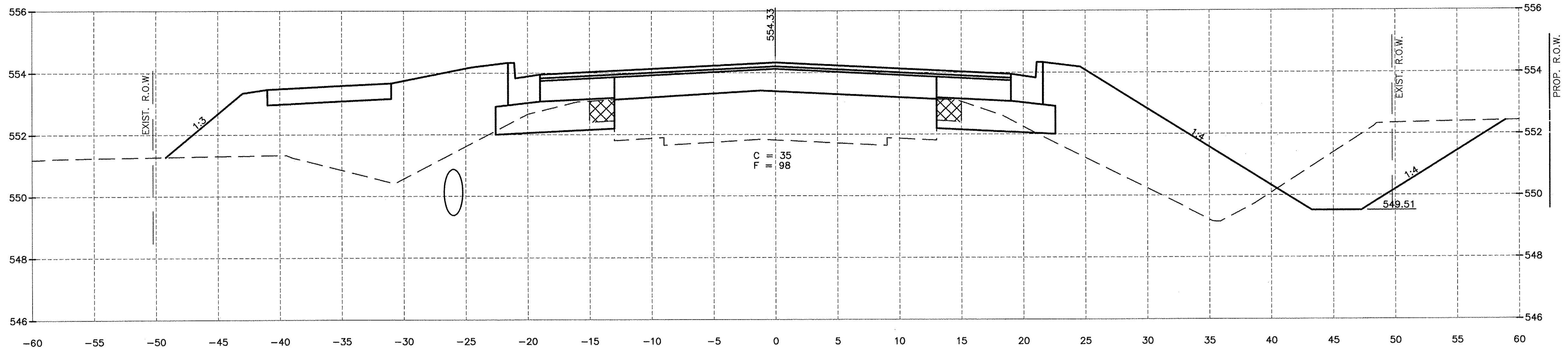
FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

CROSS SECTIONS

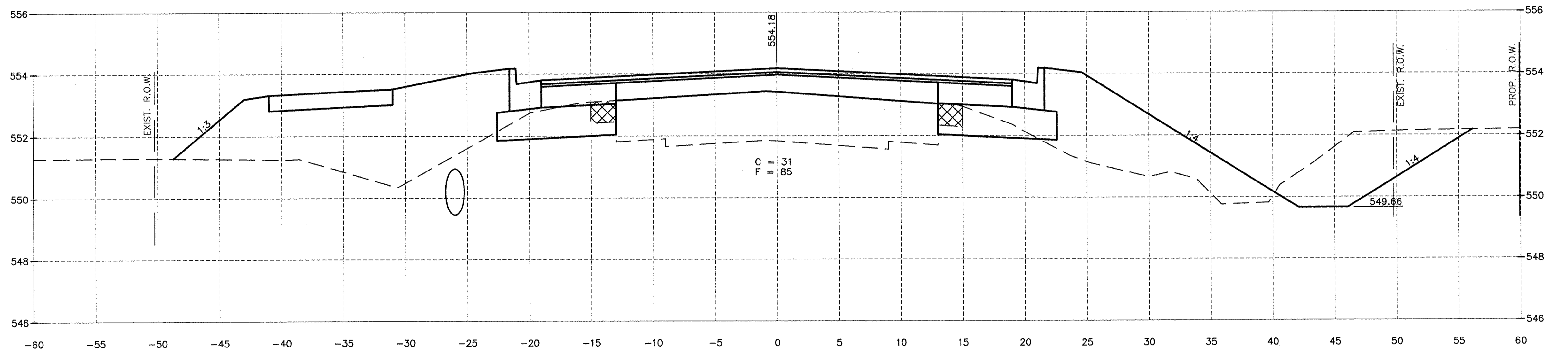
CONSTRUCTION PLANS

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| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 59 |
| FILE NO.: 66139.01 Y- | OF 71 |

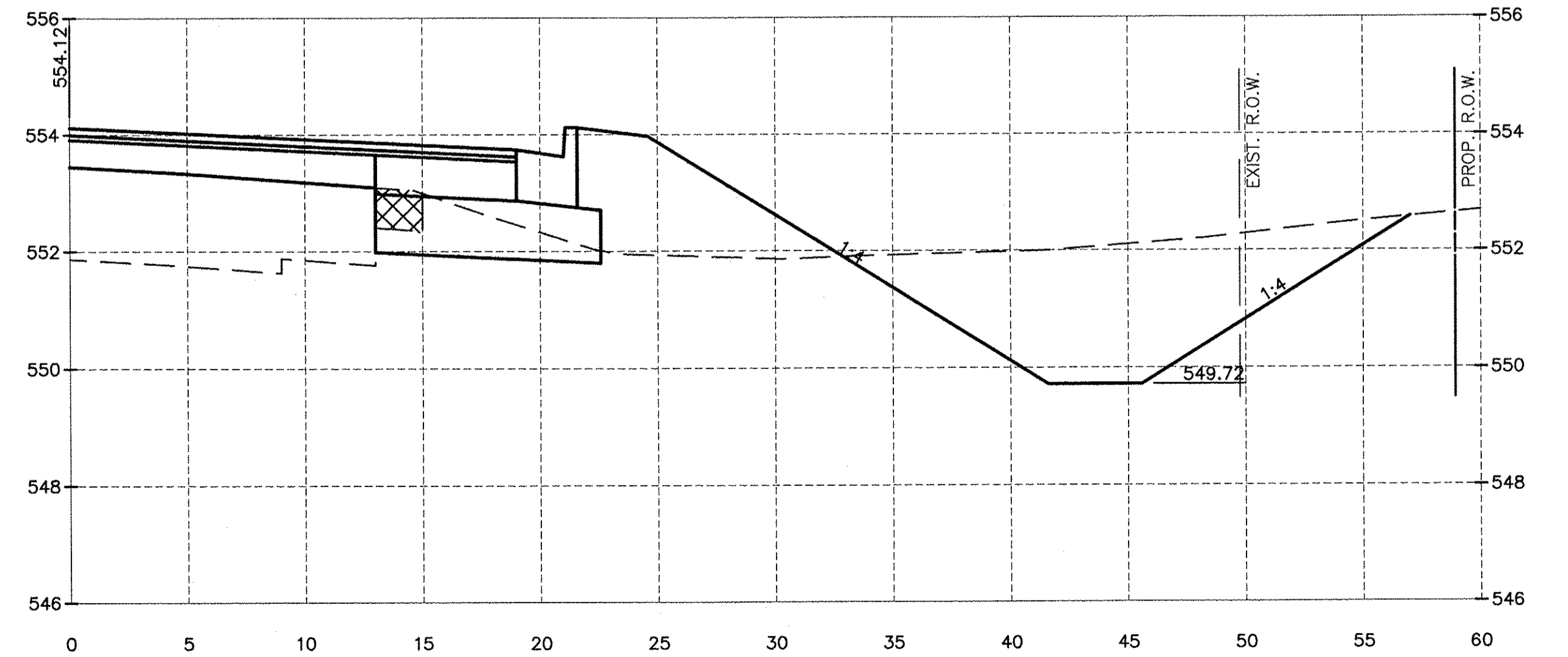
CHAMLIN & ASSOCIATES, INC. © 2014
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185+50.00



185+00.00



184+80.13

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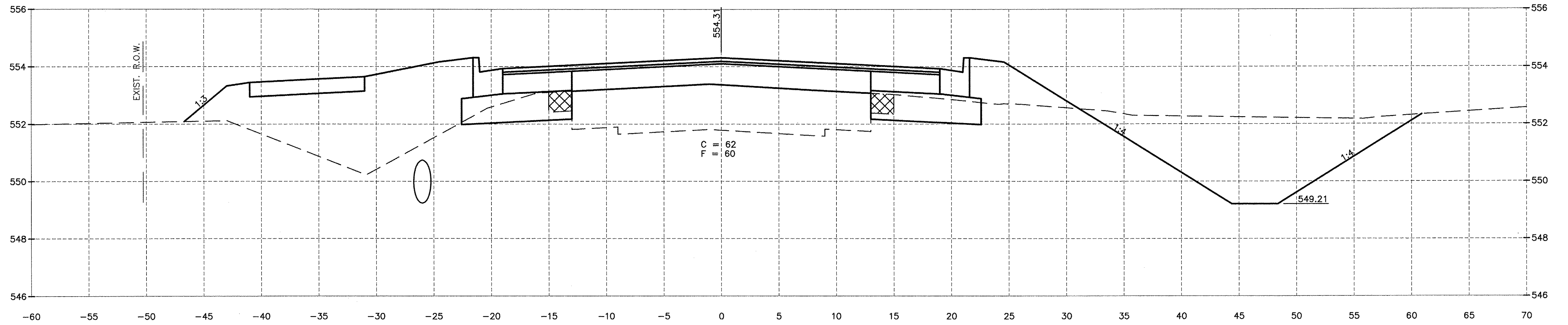
CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

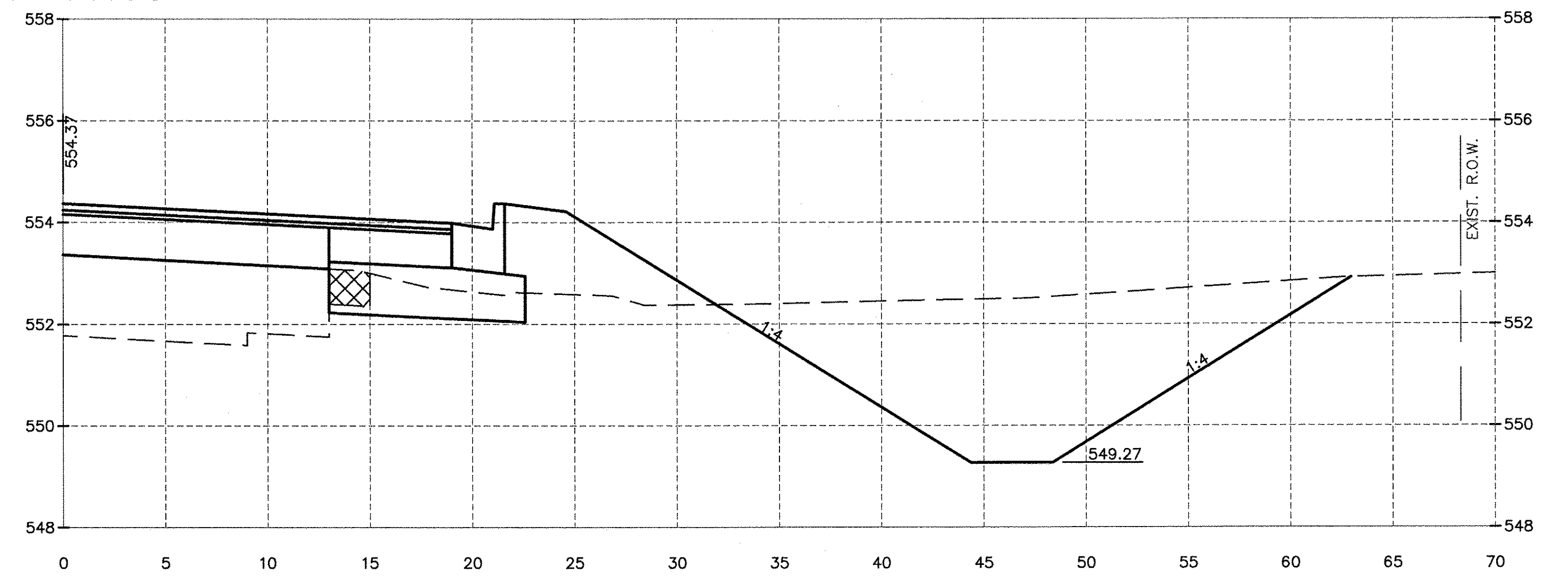
CROSS SECTIONS

CONSTRUCTION PLANS

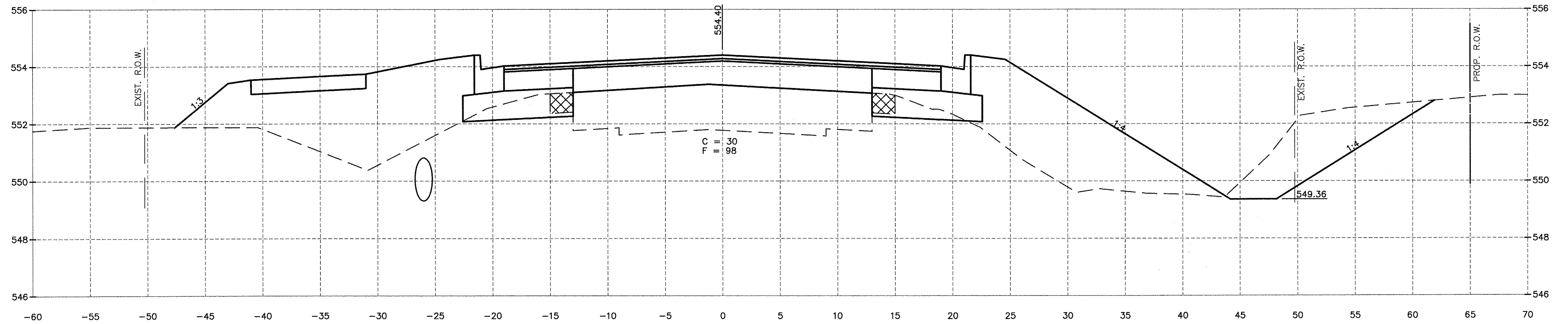
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| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 60 |
| FILE NO.: 66139.01 Y- | OF 71 |



186+50.00



186+28.87



186+00.00

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Drawing Name: C:\Users\jrc6139\OneDrive\Documents\14-00010-00-VR\14-00010-00-VR.dwg Last Modified: May 20, 2016 8:26am Plotted on: May 20, 2016 1:37pm by jrc6139

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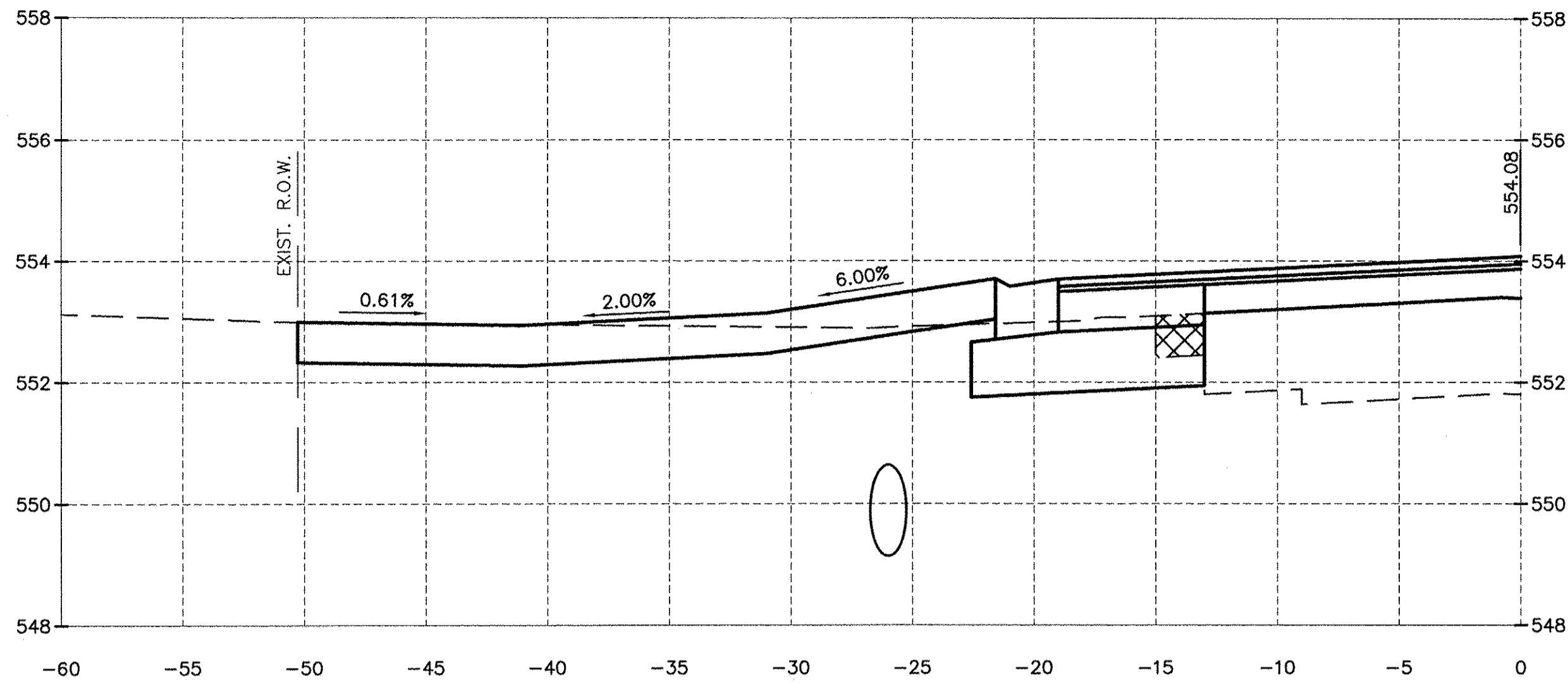
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

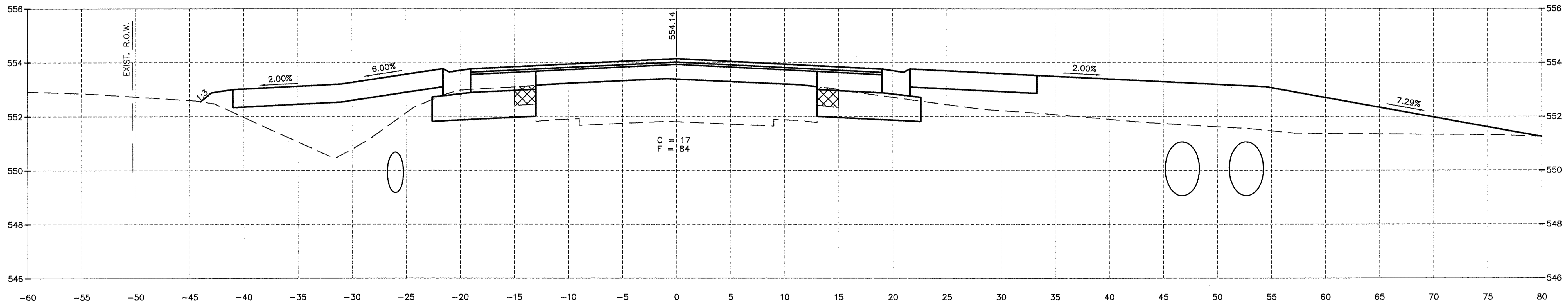
CROSS SECTIONS

CONSTRUCTION PLANS

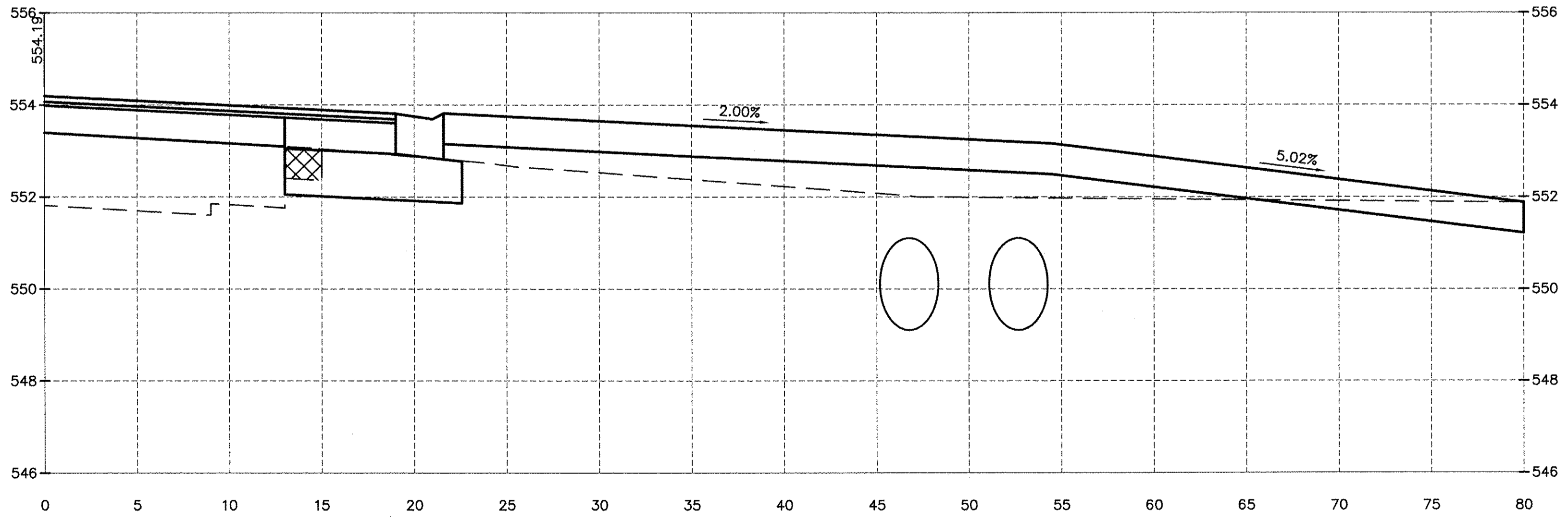
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| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 61 |
| FILE NO.: 66139.01 Y- | OF 71 |



187+18.34



187+00.00



186+85.57

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Drawing Name: G:\Users\G\66139-01-ILL13-EXTENSION-PHASE-1\CAU\CAD\13-EXTENSION-PHASE-1.dwg, Last Modified: May 20, 2016 - 8:26am, Plotted on: May 20, 2016 - 1:39pm by jmc

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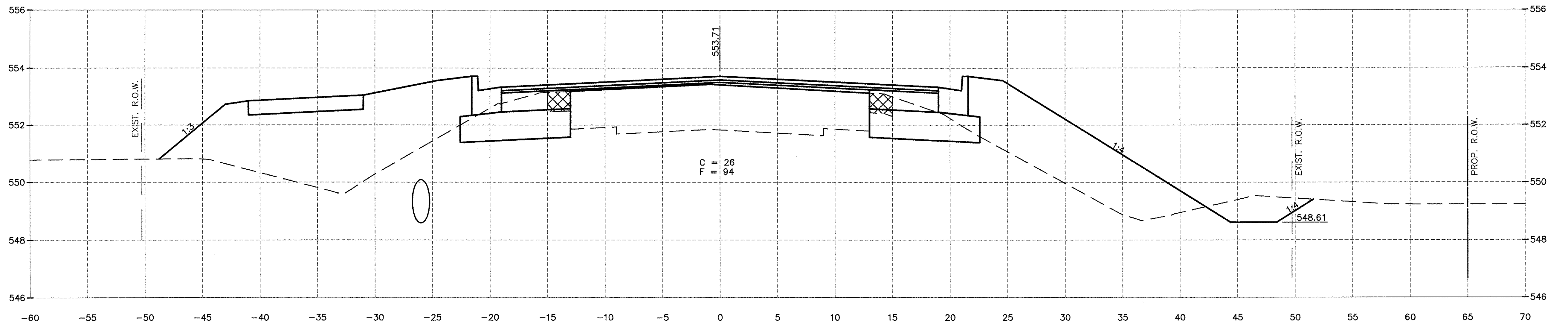
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

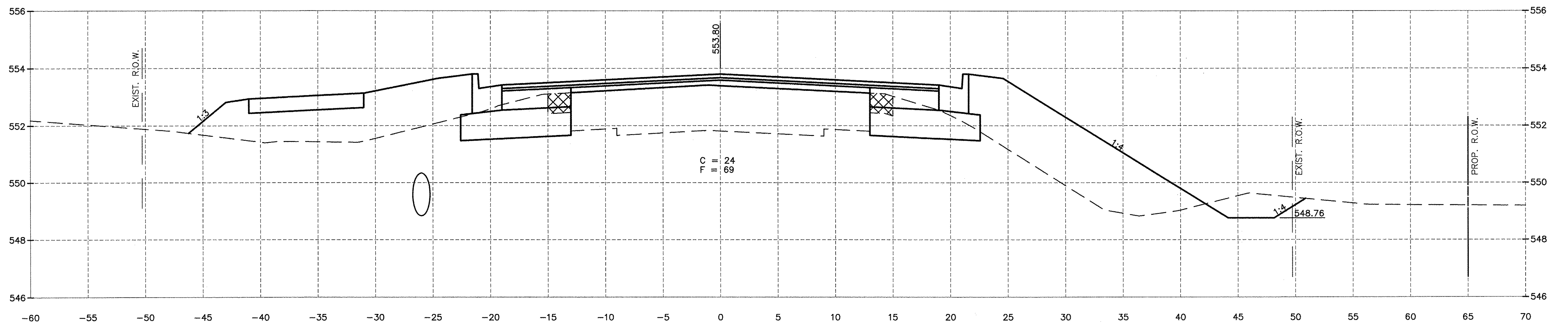
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CONSTRUCTION PLANS

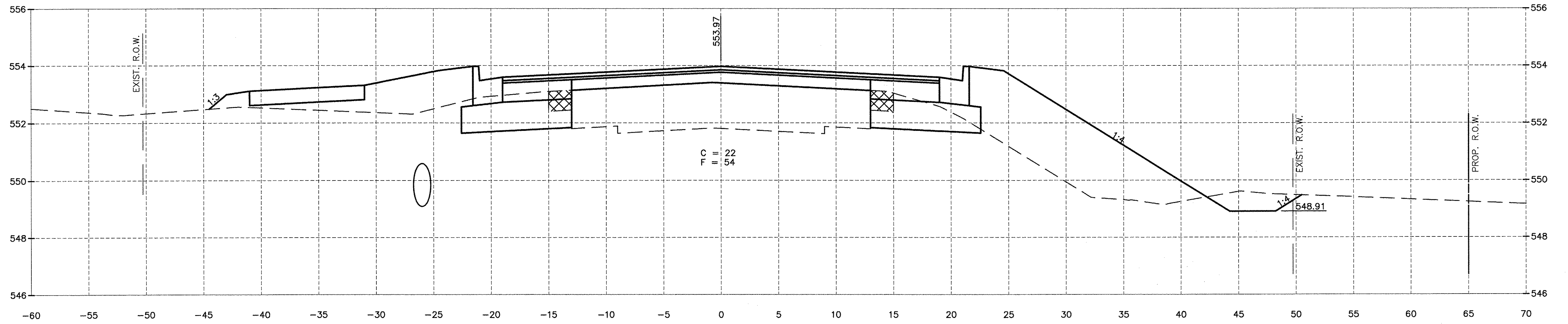
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| SCALE: AS NOTED | SHEET 62 |
| FILE NO.: 66139.01 Y- | OF 71 |



188+50.00



188+00.00



187+50.00

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Drawing Name: G:\Users\jmorris\OneDrive\Documents\14-00010-00-VR\14-00010-00-VR-14.dwg Last Modified: May 20, 2016 8:26am Plotted on: May 20, 2016 1:38pm by jmc

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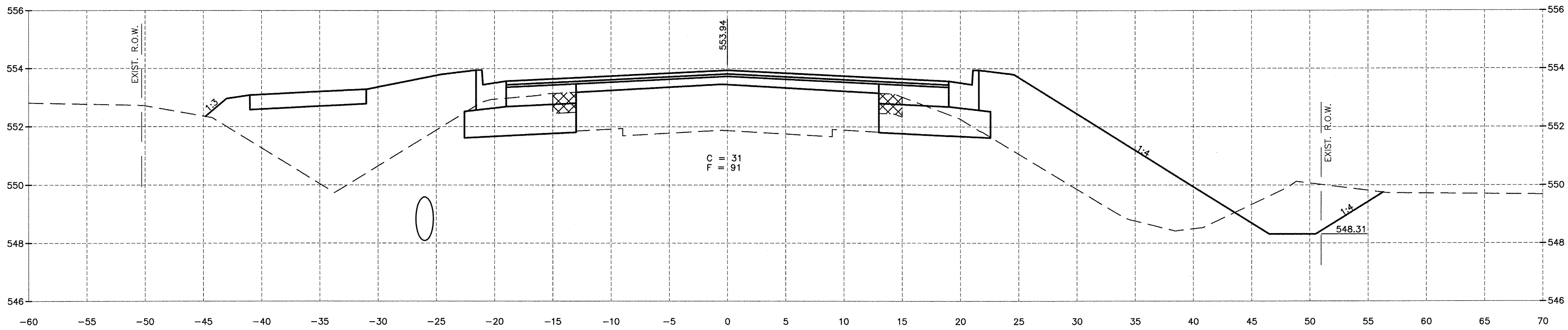
CHAMLIN & ASSOCIATES, INC.
PERU MORRIS
ILLINOIS

FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

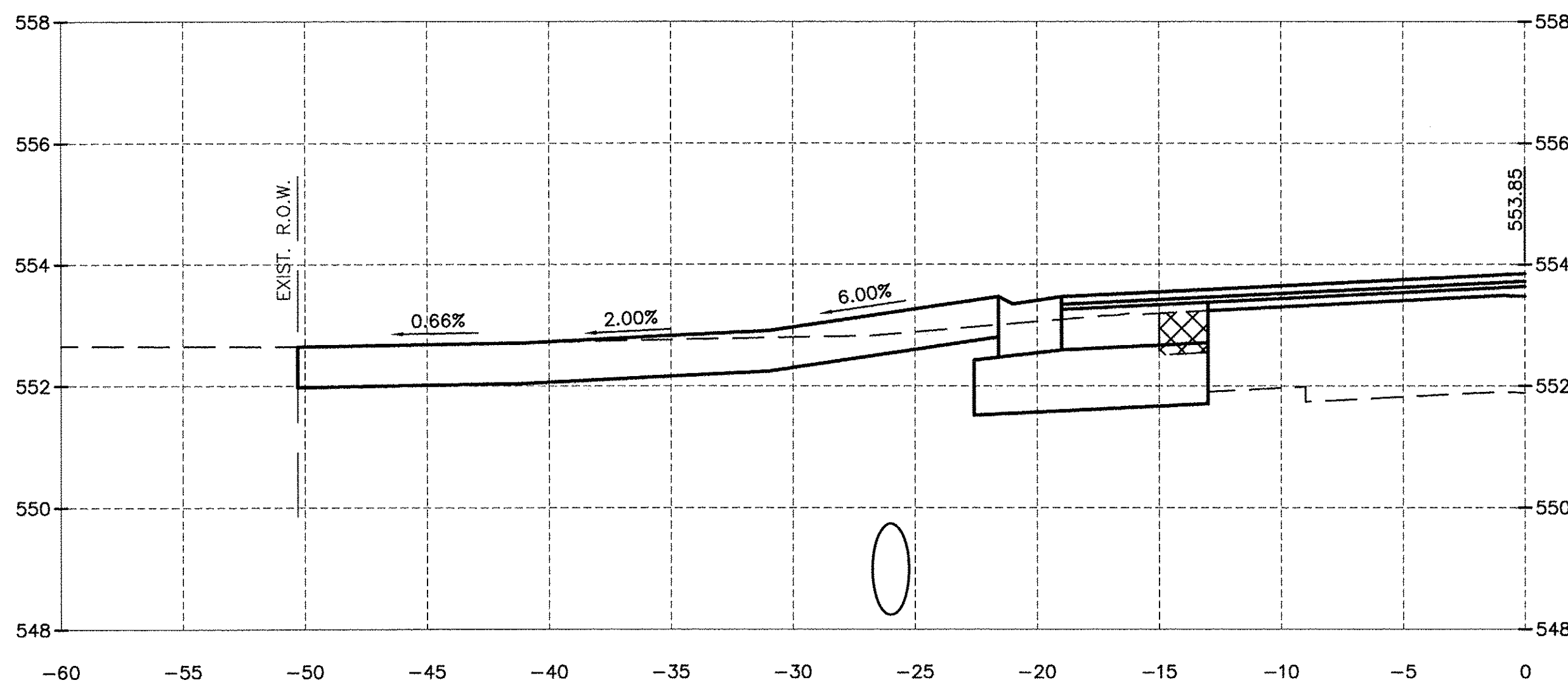
CROSS SECTIONS

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| | SCALE: AS NOTED | SHEET 63 |
| | FILE NO.: 66139.01 Y- | OF 71 |

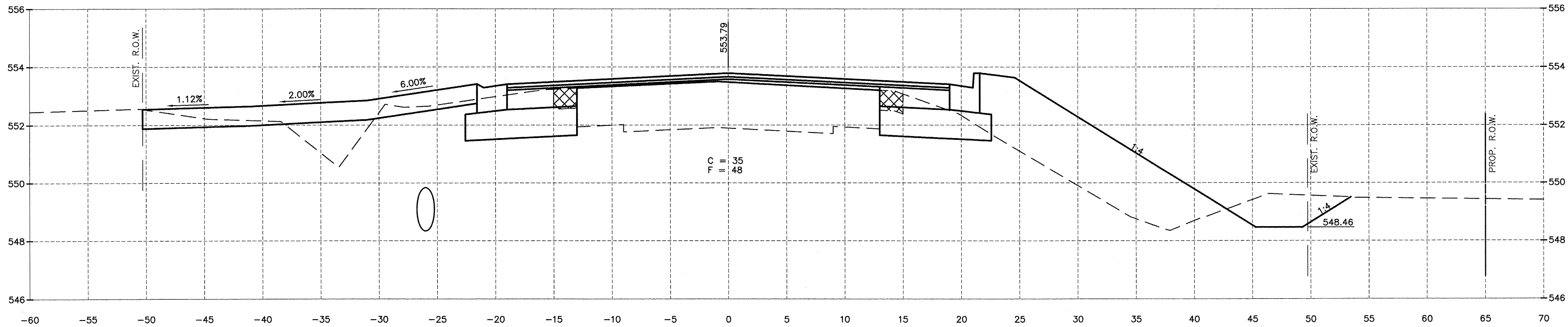
CONTRACT NO. 87606



189+50.00



189+19.29



189+00.00

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CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

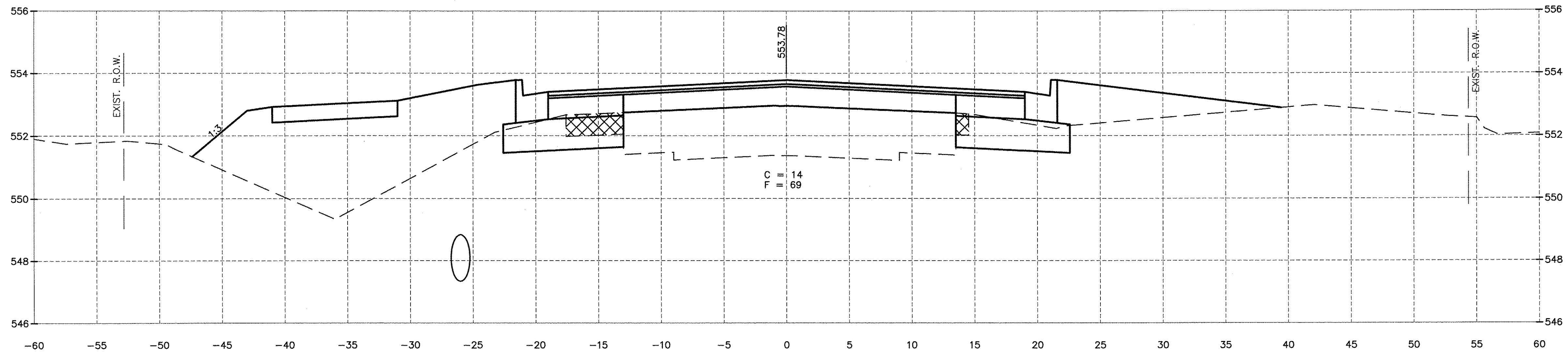
FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

CROSS SECTIONS

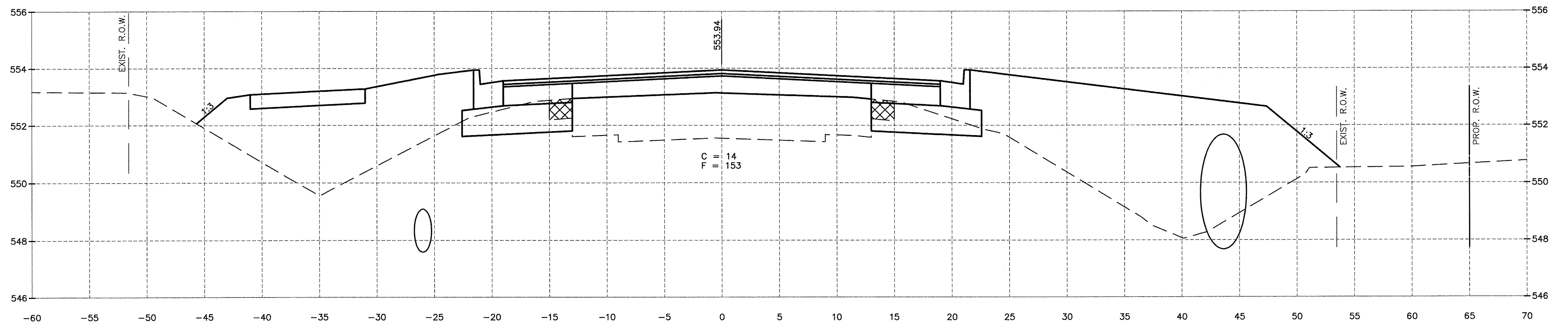
CONSTRUCTION PLANS

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| SCALE: AS NOTED | SHEET 64 |
| FILE NO.: 66139.01 Y- | OF 71 |

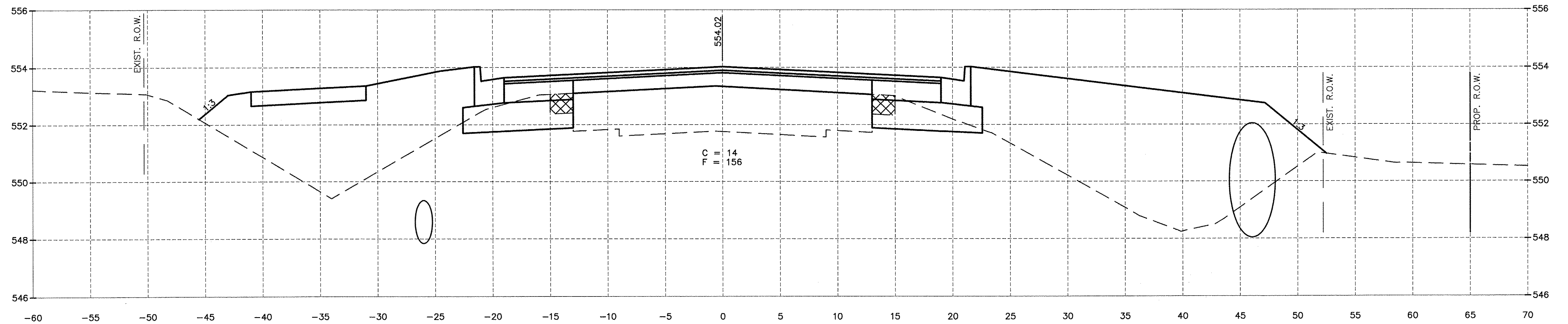
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 Drawing Name: G:\Users\j\66139-01\113-EXTENSION-PHASE-1\CAD\C3D\TPO-9-23-14.dwg Last Modified: May 20, 2016 - 8:26am Plotted on: May 20, 2016 - 1:39pm by jinc



191+00.00



190+50.00



190+00.00

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| CHECKED BY: JKC | LEVEL | BY | DATE | DESCRIPTION |
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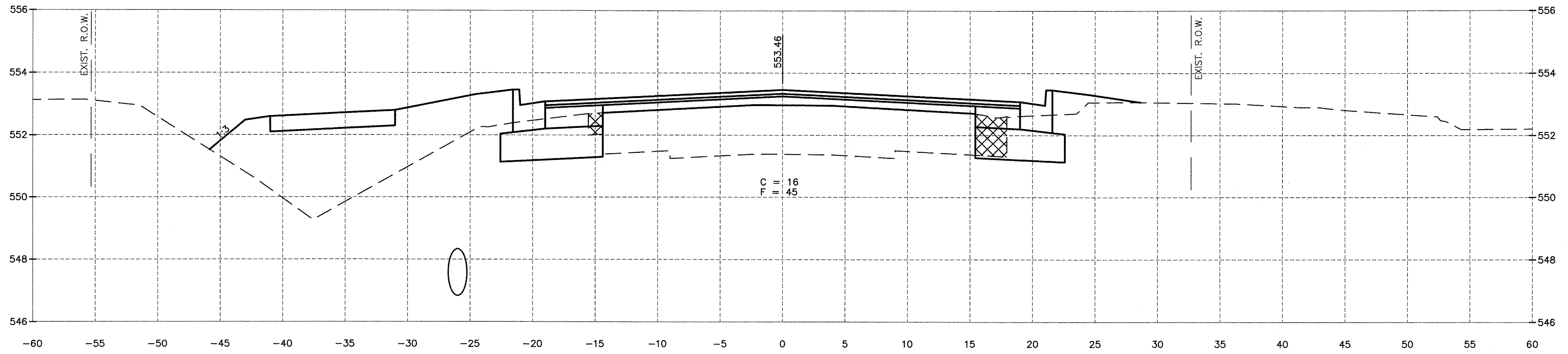
CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS
 ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

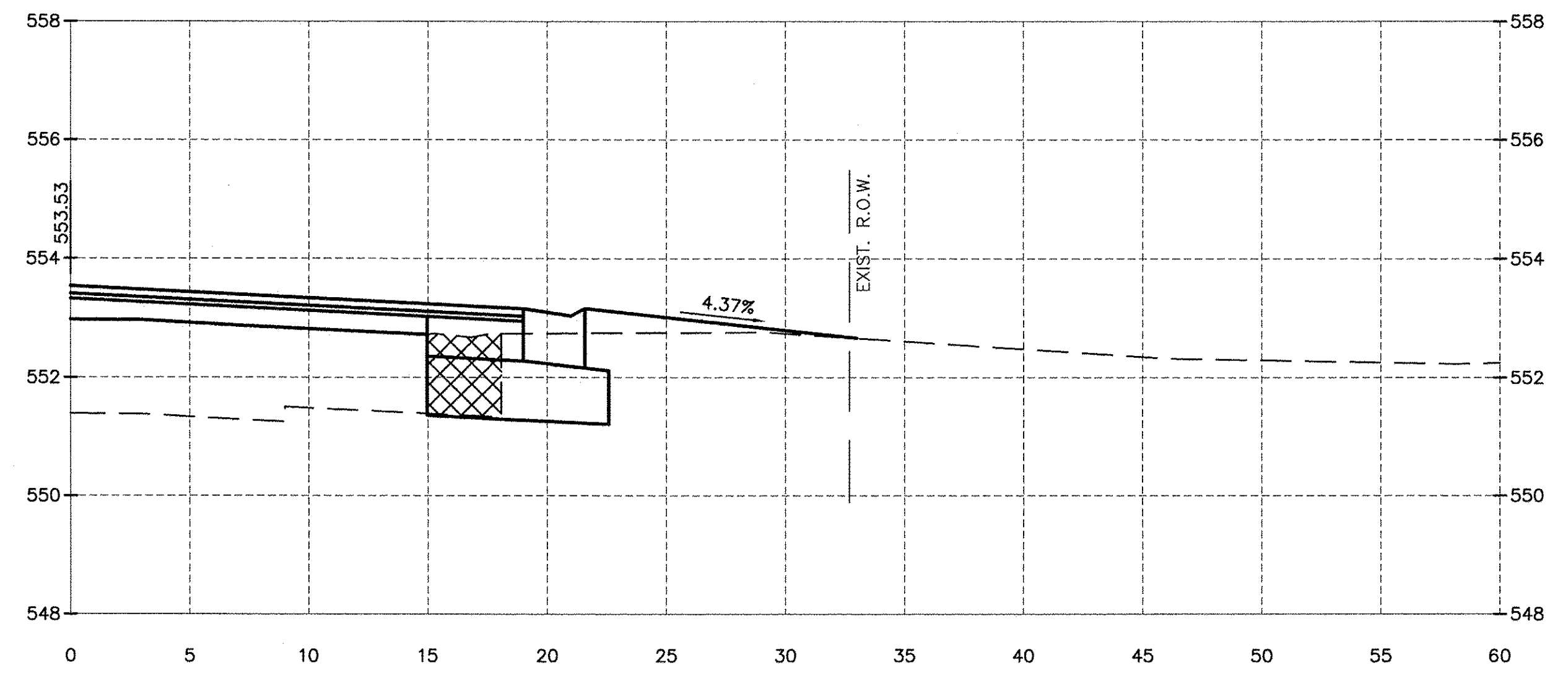
CROSS SECTIONS

CONSTRUCTION PLANS

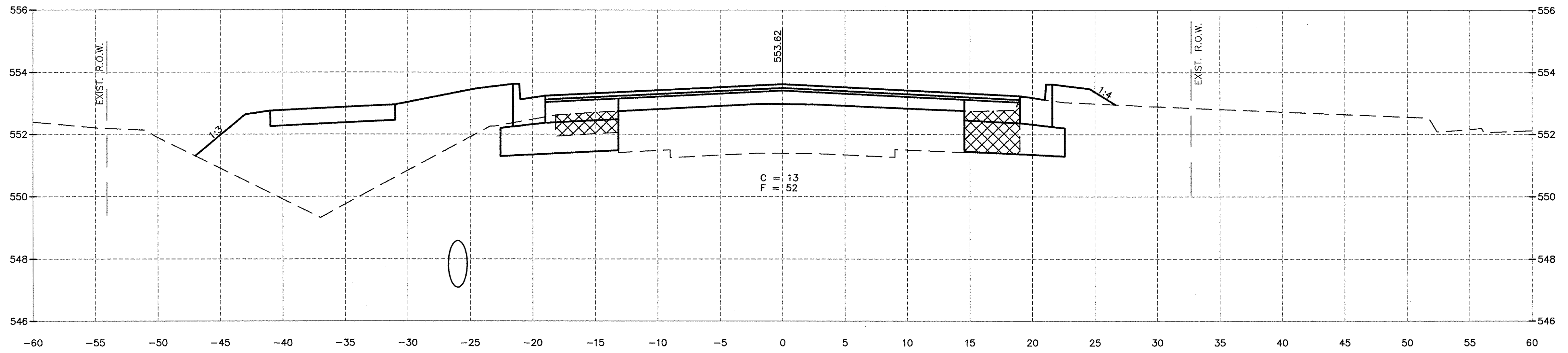
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| SCALE: AS NOTED | SHEET 65 |
| FILE NO.: 66139.01 Y- | OF 71 |



192+00.00



191+76.86



191+50.00

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| DRAWN BY: ARR | REVISIONS | | |
| CHECKED BY: JKC | LEVEL | BY | DATE |
| DATE: 10/14 | | | |

CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

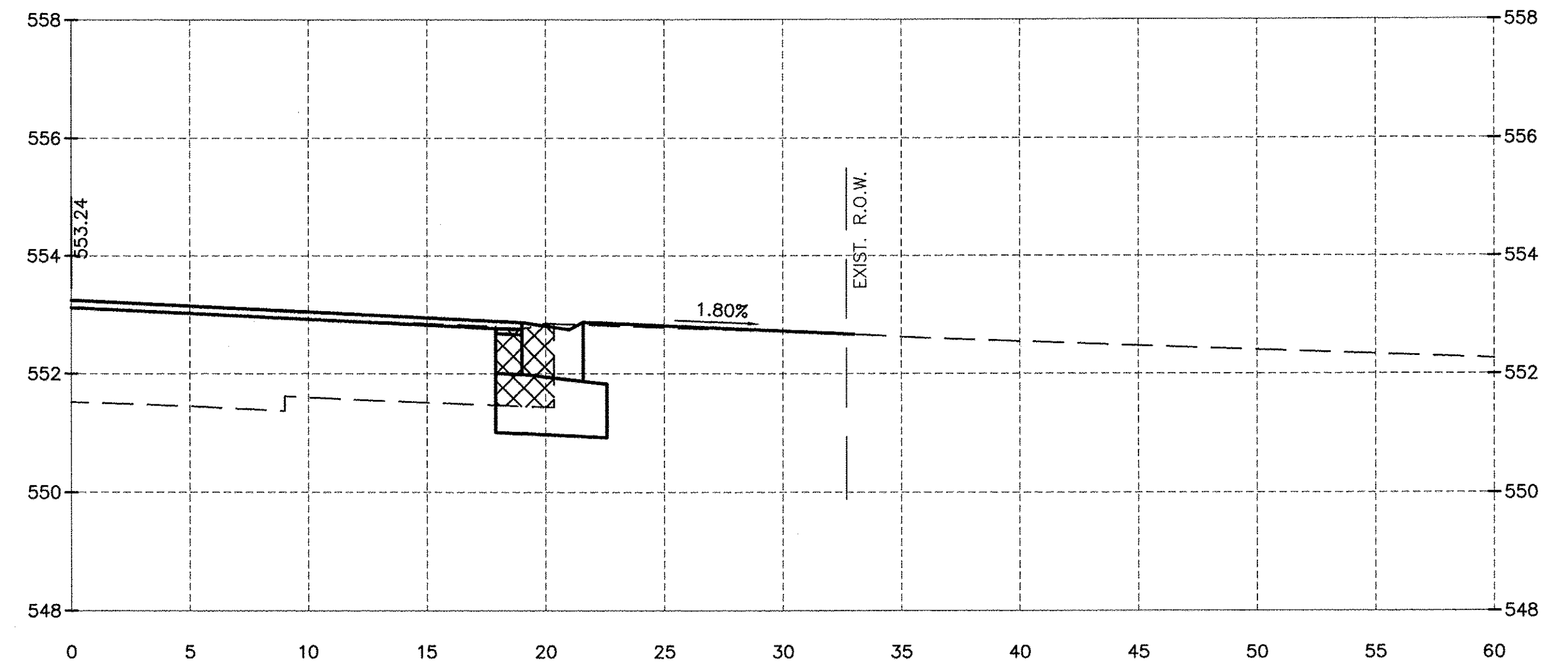
FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

CROSS SECTIONS

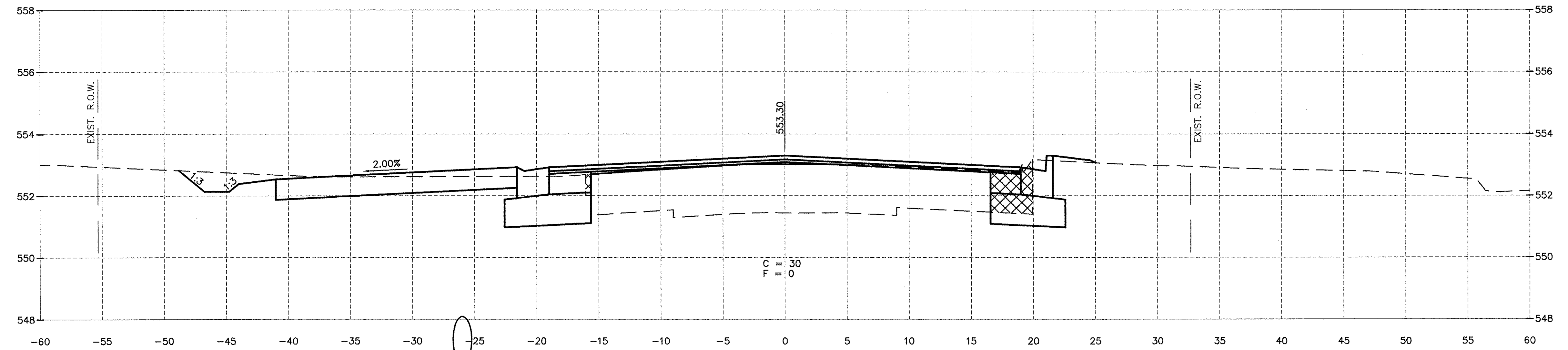
CONSTRUCTION PLANS

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| SCALE: AS NOTED | SHEET 66 |
| FILE NO.: 66139.01 Y- | OF 71 |

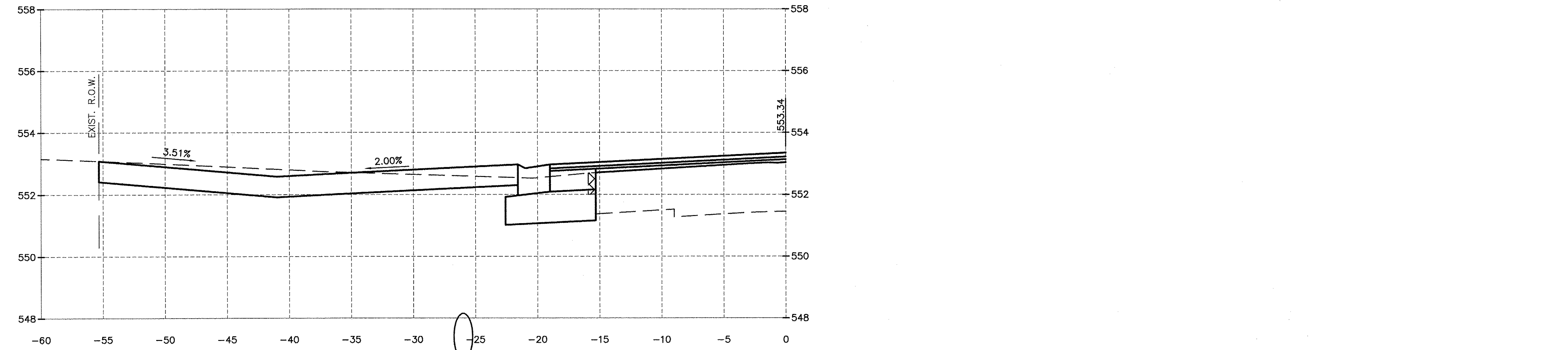
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192+84.03



192+50.00



192+37.28

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CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

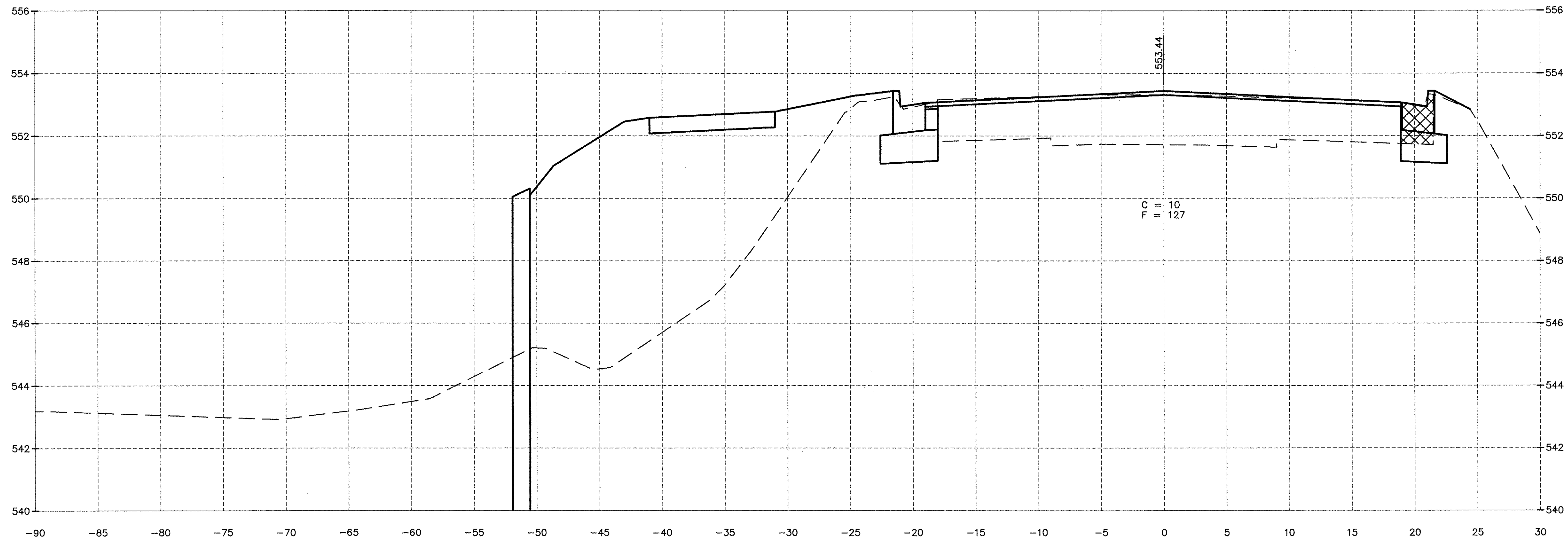
FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

CROSS SECTIONS

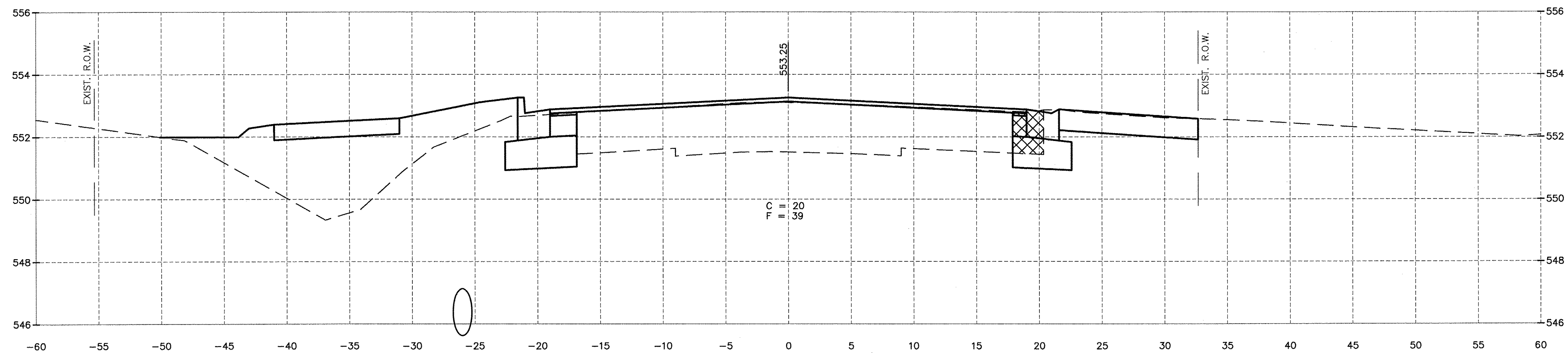
CONSTRUCTION PLANS

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| SCALE: AS NOTED | SHEET 67 |
| FILE NO.: 66139.01 Y- | OF 71 |

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193+50.00



193+00.00

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| DRAWN BY: ARR | REVISIONS | | | |
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CHAMLIN & ASSOCIATES, INC.
 PERU MORRIS ILLINOIS

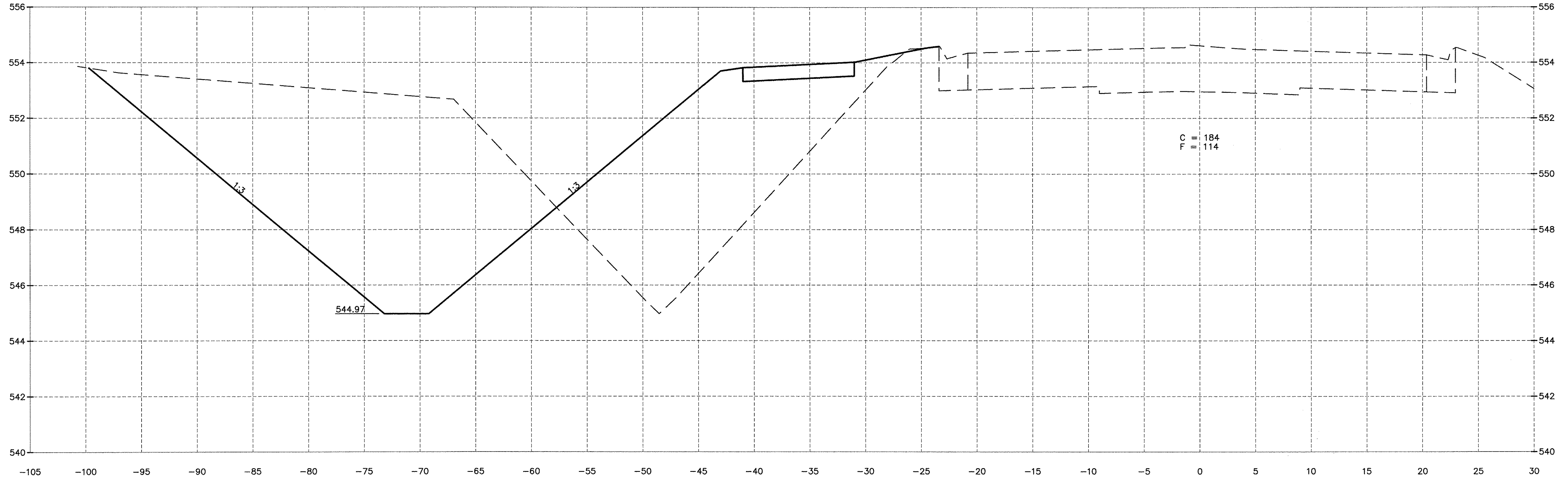
FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

CROSS SECTIONS

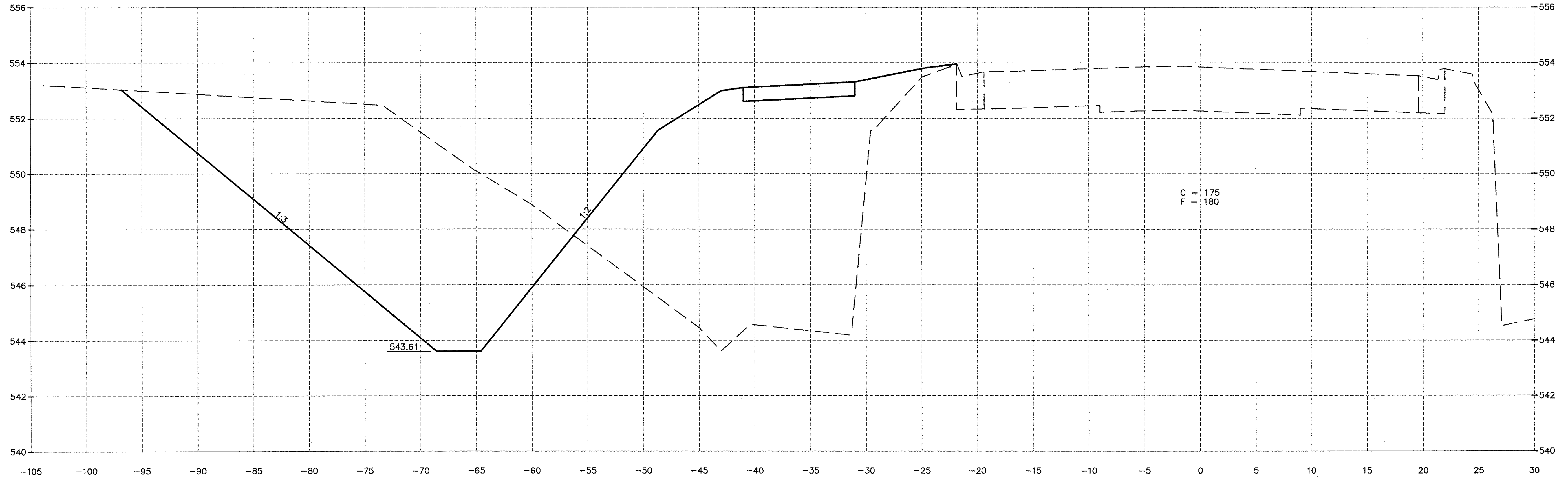
CONSTRUCTION PLANS

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| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 68 |
| FILE NO.: 66139.01 Y- | OF 71 |

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194+50.00



194+00.00

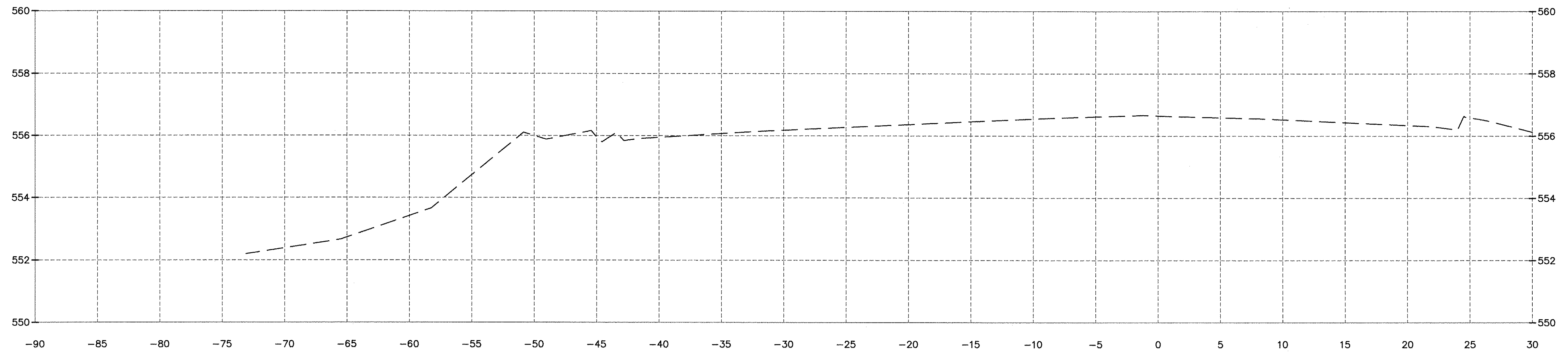
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| DATE: 10/14 | | | | | |

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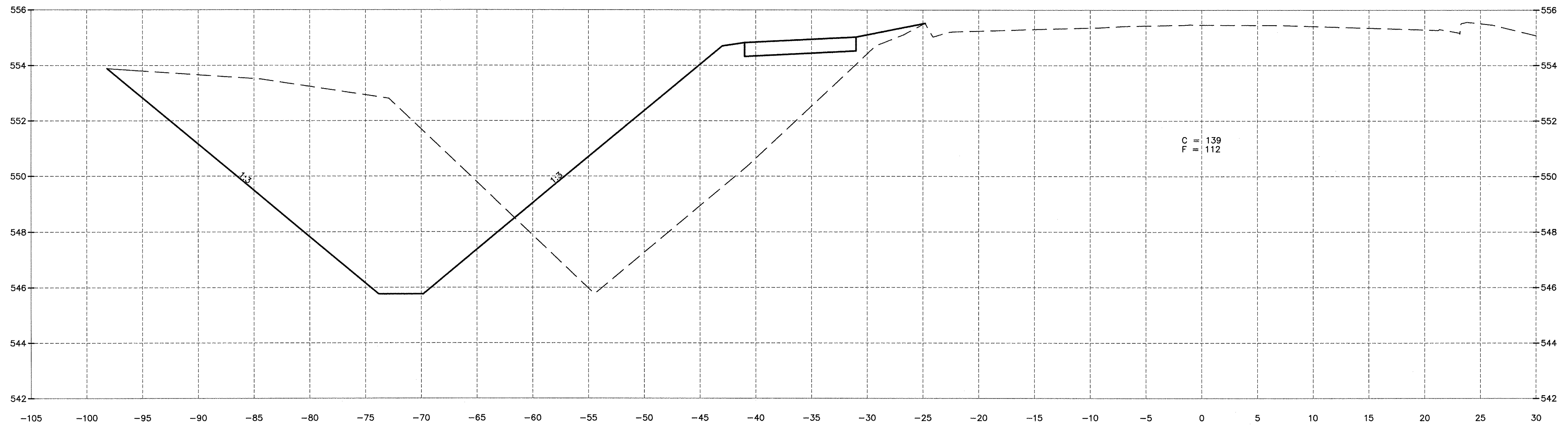
FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

CROSS SECTIONS
CONSTRUCTION PLANS

| | | |
|---------------------------|----------|--------------------|
| CURRENT AS OF: 05/18/2016 | | CONTRACT NO. 87606 |
| SCALE: AS NOTED | SHEET 69 | |
| FILE NO.: 66139.01 Y- | OF 71 | |



195+50.00



195+00.00

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Drawing Name: G:\Users\jg6139\OneDrive\Projects\13-EXTENSION-PHASE-1\CD\13-EXTENSION-PHASE-1\CD\13-EXTENSION-PHASE-1.dwg Last Modified: May 20, 2016 8:26am Plotted on: May 20, 2016 1:41pm by jmc

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| DRAWN BY: ARR | REVISIONS | | | |
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| DATE: 10/14 | | | | |

CHAMLIN & ASSOCIATES, INC.
PERU MORRIS ILLINOIS

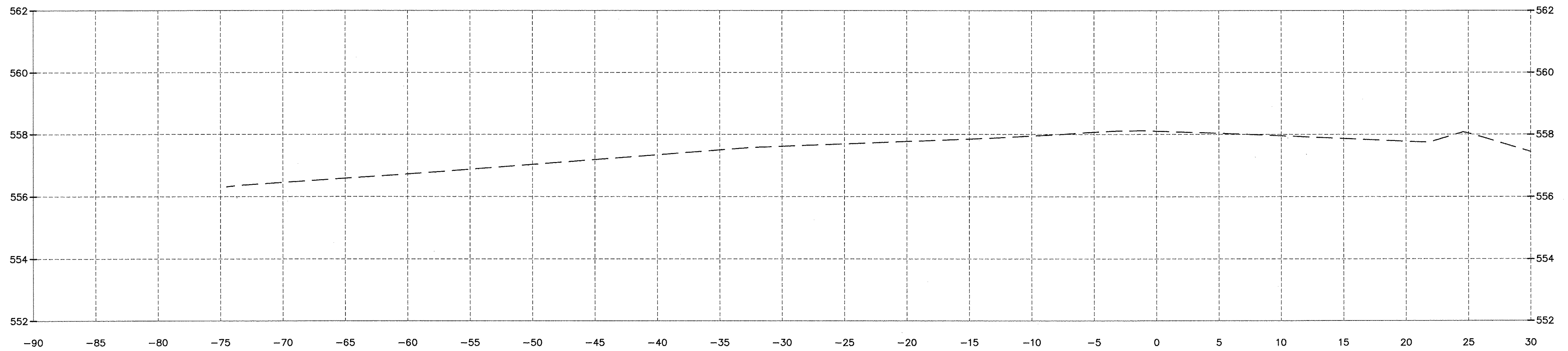
FAU 383
SECTION 14-00010-00-WR
VILLAGE OF DIAMOND
WILL COUNTY

CROSS SECTIONS

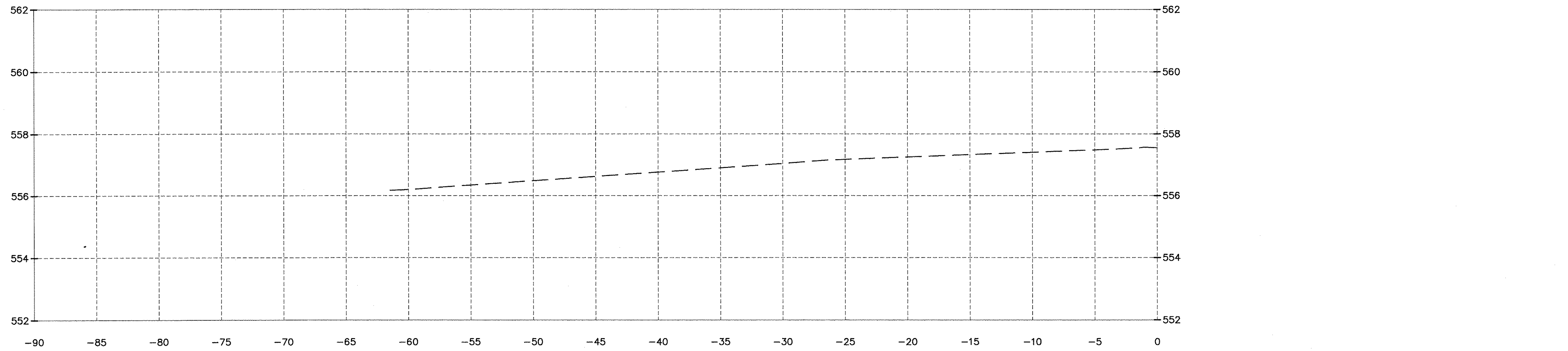
CONSTRUCTION PLANS

| | | | |
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| CURRENT AS OF: 05/18/2016 | | CONTRACT NO. 87606 | |
| SCALE: AS NOTED | FILE NO.: 66139.01 | SHEET 70 | OF 71 |

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196+00.00



195+81.10

| | | | |
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| DRAWN BY: ARR | | REVISIONS | |
| LEVEL | BY | DATE | DESCRIPTION |
| | | | |
| CHECKED BY: JKC | | | |
| DATE: 10/14 | | | |

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 PERU MORRIS
 ILLINOIS

FAU 383
 SECTION 14-00010-00-WR
 VILLAGE OF DIAMOND
 WILL COUNTY

CROSS SECTIONS

CONSTRUCTION PLANS

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|---------------------------|----------|
| CONTRACT NO. 87606 | |
| CURRENT AS OF: 05/18/2016 | |
| SCALE: AS NOTED | SHEET 71 |
| FILE NO.: 66139.01 Y- | OF 71 |