

115+00

(A) PROPOSED HMA PAVEMENT (45TH STREET)
165 lb/yd² QC/QA HMA, 3, 70, SURFACE, 9.5mm ON
275 lb/yd² QC/QA HMA, 3, 70, INTERMEDIATE, 19mm ON
660 lb/yd² QC/QA HMA, 3, 64, BASE, 19mm ON
SUBGRADE TREATMENT, TYPE IC (12 IN COMPACTED AGGREGATE)

(B) PROPOSED HMA PAVEMENT (CALUMET AVENUE)
165 lb/yd² QC/QA HMA, 4, 70, SURFACE, 9.5mm ON
275 lb/yd² QC/QA HMA, 4, 70, INTERMEDIATE, 19mm ON
660 lb/yd² QC/QA HMA, 4, 64, BASE, 19mm ON
SUBGRADE TREATMENT, TYPE IC (12 IN COMPACTED AGGREGATE)

(C) PROPOSED PCCP FOR APPROACHES, 9" ON
SUBGRADE TREATMENT, TYPE II

(D) PROPOSED HMA PAVEMENT FOR APPROACHES
165 lb/yd² HMA FOR APPROACHES TYPE B ON
275 lb/yd² HMA FOR APPROACHES TYPE B ON
880 lb/yd² HMA FOR APPROACHES TYPE B ON
SUBGRADE TREATMENT, TYPE II

(E) PROPOSED HMA PAVEMENT (ALLEY)
165 lb/yd² QC/QA HMA, 2, 64, SURFACE, 9.5mm ON
395 lb/yd² QC/QA HMA, 2, 64, INTERMEDIATE, 19mm ON
5" COMPACTED AGGREGATE, NO. 53 ON
SUBGRADE TREATMENT, TYPE IV
(12" #53'S TYPE IB GEOGRID)

(EE) PROPOSED RESURFACING
MILLING, ASPHALT 1 IN
165 lb/yd² QC/QA HMA, 3, 70, SURFACE, 9.5mm
HMA WEDGE AND LEVEL, TYPE B, 1 IN±

(F) PROPOSED SIDEWALK, CONCRETE, 4"

(CR) CURB RAMP, CONCRETE

(G) PCCP, 4 INCH, 6" COMPACTED AGGREGATE NO. 53

(K) PROPOSED HMA BIKEPATH
165 lb/yd² QC/QA HMA, 2, 64, SURFACE, 9.5mm ON
200 lb/yd² QC/QA HMA, 2, 64, INTERMEDIATE, 19mm ON
6" COMPACTED AGGREGATE, NO. 53, ON
SUBGRADE TREATMENT, TYPE III (IN PLACE COMPACT)

(15) CURB & GUTTER, 6" CURB HEIGHT, CONCRETE, MODIFIED
18" GUTTER FLAG

(15A) CURB & GUTTER, 6" CURB HEIGHT, CONCRETE, MODIFIED
12" GUTTER FLAG

(15B) CURB INTEGRAL CONCRETE

(15C) CURB, CONCRETE

(17) PAVED SIDE DITCH, H MODIFIED

(18) CENTER CURB, D, CONCRETE MODIFIED

(24) TOPSOIL, 4", MULCHED SEEDING U
WITH EROSION CONTROL BLANKET

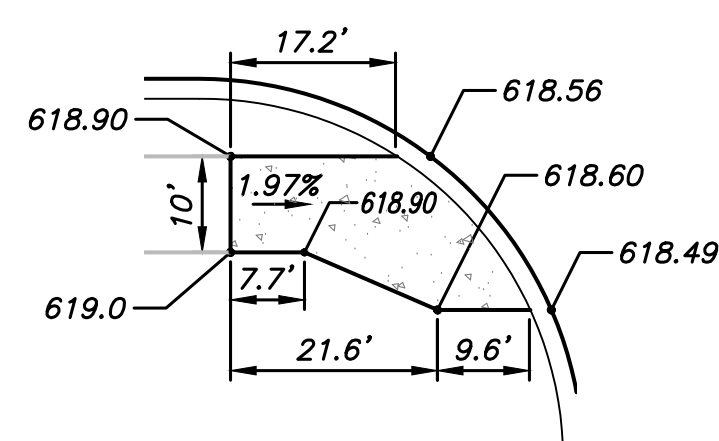
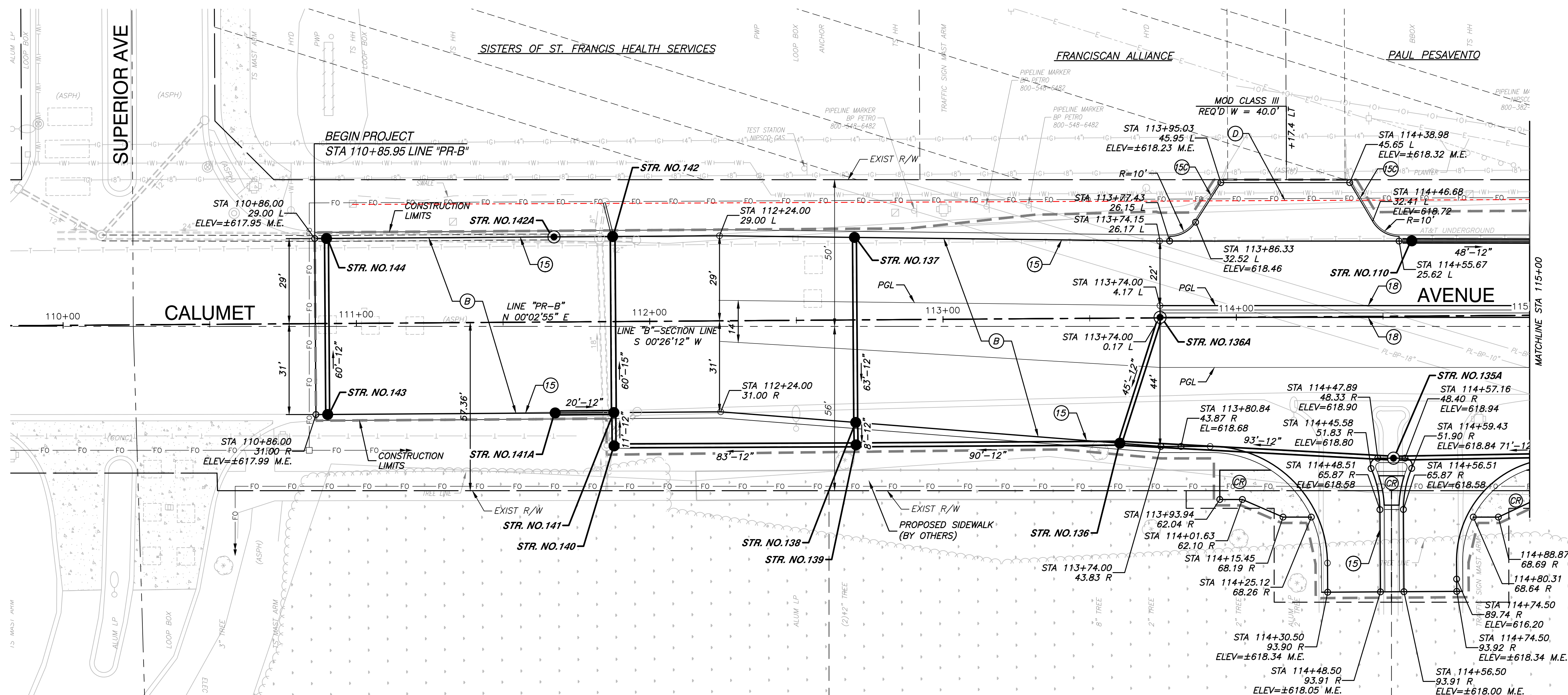
(26) TOPSOIL, 4", SODDING, NURSERY

(5C) STAMPED CONCRETE SIDEWALK
6" COMPACTED AGGREGATE 53

EXISTING WETLAND

1. ALL EXISTING TOPOGRAPHY AND R/W DESCRIBED OFF LINE "B". ALL PROPOSED IMPROVEMENTS DESCRIBED OFF LINE "PR-B", TO BE CONSTRUCTED.
2. SEE PLAN & PROFILE SHEETS AND STRUCTURE DATA TABLES FOR DRAINAGE STRUCTURE INFORMATION.

HORIZONTAL SCALE	ROAD FILE		
1"=20'	N/A		
VERTICAL SCALE	DESIGNATION		
1"=5'	0710056		
SURVEY BOOK	SHEETS		
N/A	101	of	360
CONTRACT	PROJECT		
B-36229	0710056		



CURB RAMP, CONCRETE

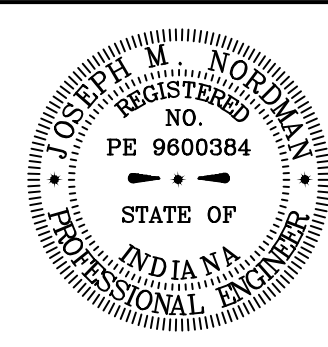
COMMUNITY PARK NORTH

115+00

BENCH MARK:
SQUARE CUT ON CONC BASE
FOR LIGHT POLE, WEST SIDE OF
CALUMET AVENUE, 30' NORTH OF
WHITE CASTLE BUILDING.
ELEVATION = 619.67



08315-PLAN-DTLS-01 - C10



RECOMMENDED
FOR APPROVAL Joseph M. Woldman 11/20/18
DESIGN ENGINEER DATE

DESIGNED: JB	DRAWN: RG
CHECKED: JMN	CHECKED: AG

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
CALUMET AVENUE - LINE "PR-B"

120+00

(A) PROPOSED HMA PAVEMENT (45TH STREET)
165 lb/yd³ QC/QA HMA, 3, 70, SURFACE, 9.5mm ON
275 lb/yd³ QC/QA HMA, 3, 70, INTERMEDIATE, 19mm ON
660 lb/yd³ QC/QA HMA, 3, 64, BASE, 19mm ON
SUBGRADE TREATMENT, TYPE IC (12 IN COMPACTED AGGREGATE)

(B) PROPOSED HMA PAVEMENT (CALUMET AVENUE)
165 lb/yd³ QC/QA HMA, 4, 70, SURFACE, 9.5mm ON
275 lb/yd³ QC/QA HMA, 4, 70, INTERMEDIATE, 19mm ON
660 lb/yd³ QC/QA HMA, 4, 64, BASE, 19mm ON
SUBGRADE TREATMENT, TYPE IC (12 IN COMPACTED AGGREGATE)

(C) PROPOSED PCCP FOR APPROACHES, 9" ON
SUBGRADE TREATMENT, TYPE II

(D) PROPOSED HMA PAVEMENT FOR APPROACHES
165 lb/yd³ HMA FOR APPROACHES TYPE B ON
275 lb/yd³ HMA FOR APPROACHES TYPE B ON
880 lb/yd³ HMA FOR APPROACHES TYPE B ON
SUBGRADE TREATMENT, TYPE II

(E) PROPOSED HMA PAVEMENT (ALLEY)
385 lb/yd³ QC/QA HMA, 2, 64, SURFACE, 9.5mm ON
385 lb/yd³ QC/QA HMA, 2, 64, INTERMEDIATE, 19.0mm ON
5" COMPACTED AGGREGATE, NO. 53 ON
SUBGRADE TREATMENT, TYPE IV
(12" #53'S TYPE IB GEORRID)

(EE) PROPOSED RESURFACING
MILLING, ASPHALT, 1 IN
165 lb/yd³ QC/QA HMA, 3, 70, SURFACE, 9.5mm
HMA WEDGE AND LEVEL, TYPE B, 1 IN±

(F) PROPOSED SIDEWALK, CONCRETE, 4"

(CR) CURB RAMP, CONCRETE

(G) PCCP, 4 INCH, 6" COMPACTED AGGREGATE NO. 53

(K) PROPOSED HMA BIKEPATH
165 lb/yd³ QC/QA HMA, 2, 64, SURFACE, 9.5mm ON
200 lb/yd³ QC/QA HMA, 2, 64, INTERMEDIATE, 19mm ON
6" COMPACTED AGGREGATE, NO. 53, ON
SUBGRADE TREATMENT, TYPE III (IN PLACE COMPACT)

(15) CURB & GUTTER, 6" CURB HEIGHT, CONCRETE, MODIFIED
18" GUTTER FLG

(15A) CURB & GUTTER, 6" CURB HEIGHT, CONCRETE, MODIFIED
12" GUTTER FLG

(15B) CURB INTEGRAL CONCRETE

(15C) CURB, CONCRETE

(17) PAVED SIDE DITCH, H MODIFIED

(18) CENTER CURB, D, CONCRETE MODIFIED

(24) TOPSOIL, 4", MULCHED SEEDING U
WITH EROSION CONTROL BLANKET

(26) TOPSOIL, 4", SODDING, NURSERY

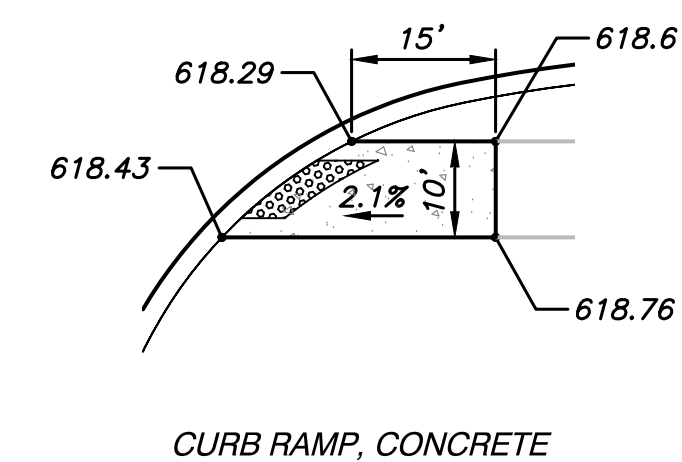
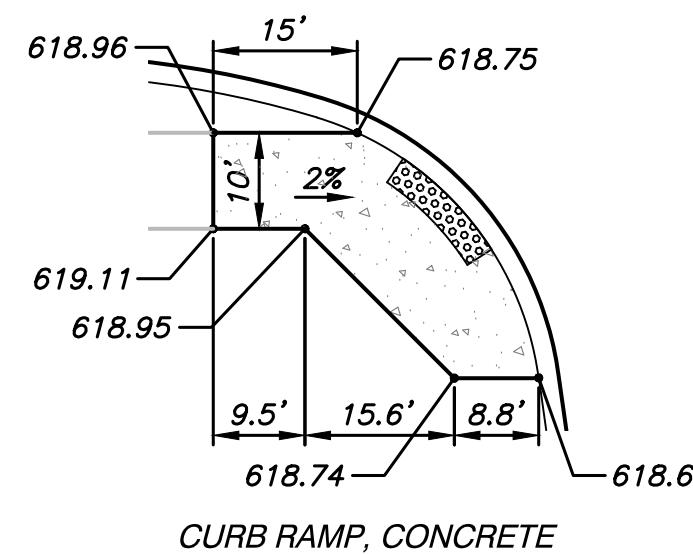
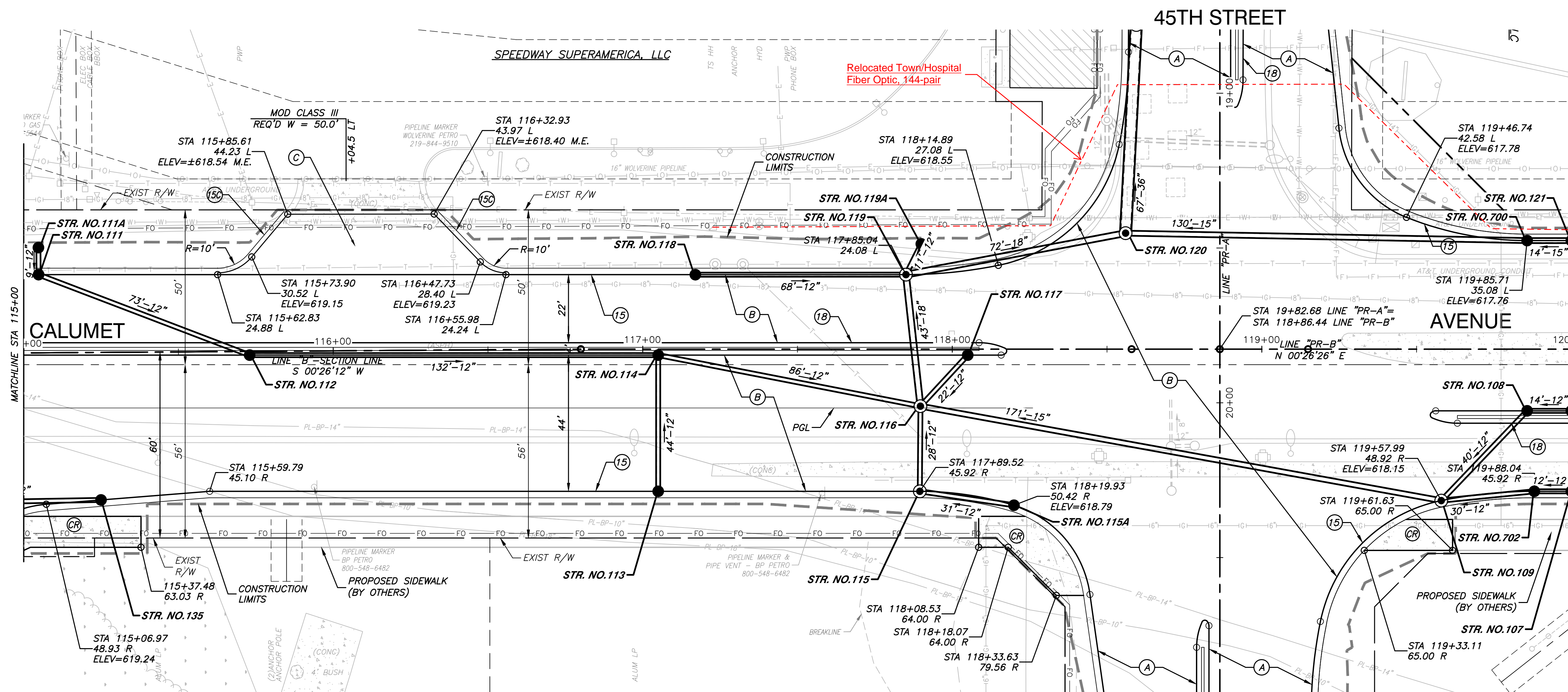
(5C) STAMPED CONCRETE SIDEWALK
6" COMPACTED AGGREGATE 53

EXISTING WETLAND

1. ALL EXISTING TOPOGRAPHY AND R/W DESCRIBED OFF LINE "B". ALL PROPOSED IMPROVEMENTS DESCRIBED OFF LINE "PR-B", TO BE CONSTRUCTED.
2. SEE PLAN & PROFILE SHEETS AND STRUCTURE DATA TABLES FOR DRAINAGE STRUCTURE INFORMATION.

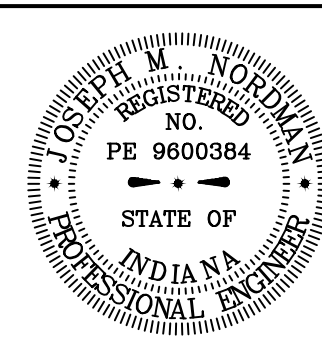
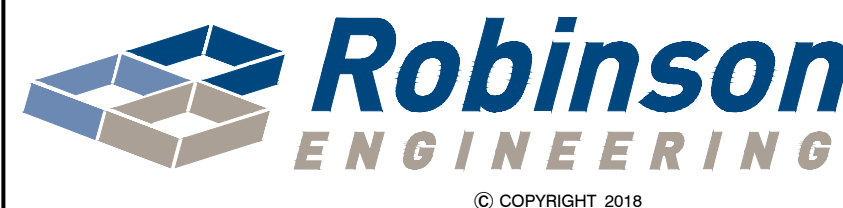
SEC 30, T-36-N, R-9-W
NORTH TOWNSHIP
LAKE COUNTY

HORIZONTAL SCALE	ROAD FILE	
1"=20'	N/A	
VERTICAL SCALE	DESIGNATION	
1"=5'	0710056	
SURVEY BOOK	SHEETS	
N/A	102	of 360
CONTRACT	PROJECT	
B-36229	0710056	



120+00

BENCH MARK:
SQUARE CUT ON CONC BASE
FOR LIGHT POLE, WEST SIDE OF
CALUMET AVENUE, 30' NORTH OF
WHITE CASTLE BUILDING.
ELEVATION = 619.67



RECOMMENDED FOR APPROVAL Joseph M. Wordman 11/20/11
DESIGN ENGINEER DATE

DESIGNED: JB	DRAWN: RG
CHECKED: JMN	CHECKED: AG

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
CALUMET AVENUE - LINE "PR-B"

120+00

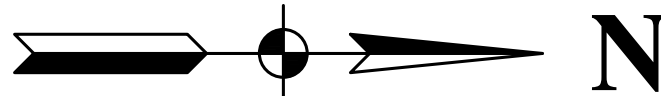
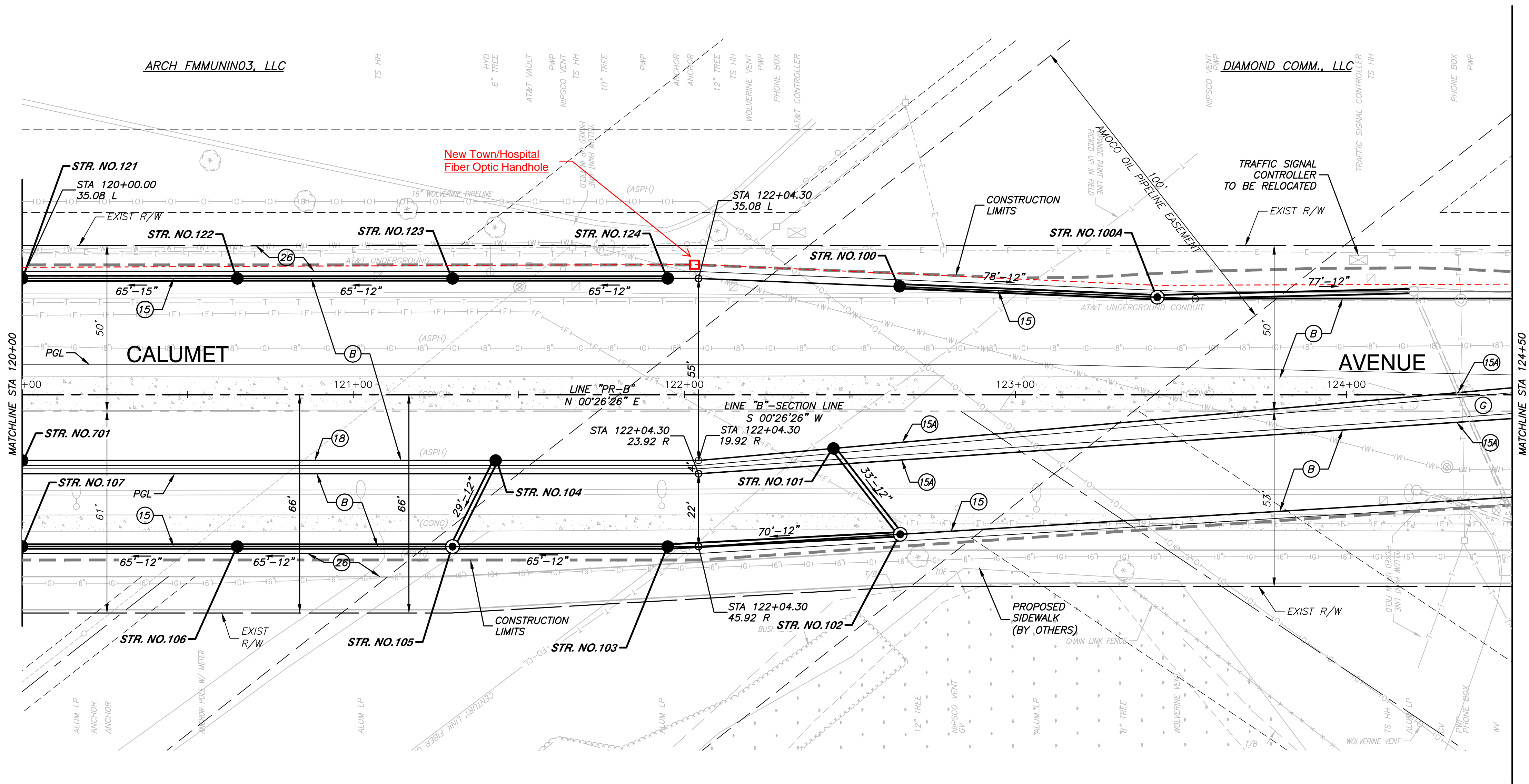
121+00

122+00

123+00

124+00

SEC 30, T-36-N, R-9-W
NORTH TOWNSHIP
LAKE COUNTY



LEGEND

- (A) PROPOSED HMA PAVEMENT (45TH STREET)
185 lb/yd² QC/QA HMA, 3, 70, SURFACE, 9.5mm ON
275 lb/yd² QC/QA HMA, 3, 70, INTERMEDIATE, 19mm ON
660 lb/yd² QC/QA HMA, 3, 64, BASE, 19mm ON
SUBGRADE TREATMENT, TYPE IC (12 IN COMPACTED AGGREGATE)
- (B) PROPOSED HMA PAVEMENT (CALUMET AVENUE)
185 lb/yd² QC/QA HMA, 4, 70, SURFACE, 9.5mm ON
275 lb/yd² QC/QA HMA, 4, 70, INTERMEDIATE, 19mm ON
660 lb/yd² QC/QA HMA, 4, 64, BASE, 19mm ON
SUBGRADE TREATMENT, TYPE IC (12 IN COMPACTED AGGREGATE)
- (C) PROPOSED PCCP FOR APPROACHES, 9" ON
SUBGRADE TREATMENT, TYPE II
- (D) PROPOSED HMA PAVEMENT FOR APPROACHES
185 lb/yd² HMA FOR APPROACHES TYPE B ON
275 lb/yd² HMA FOR APPROACHES TYPE B ON
880 lb/yd² HMA FOR APPROACHES TYPE B ON
SUBGRADE TREATMENT, TYPE IV
- (E) PROPOSED HMA PAVEMENT (ALLEY)
185 lb/yd² QC/QA HMA, 2, 64, SURFACE, 9.5mm ON
385 lb/yd² QC/QA HMA, 2, 64, INTERMEDIATE, 19.0mm ON
5" COMPACTED AGGREGATE, NO. 53 ON
SUBGRADE TREATMENT, TYPE IV
(12" #53'S TYPE IB GEOGRID)
- (E) PROPOSED RESURFACING
MILLING, ASPHALT, 1 IN
165 lb/yd² QC/QA HMA, 3, 70, SURFACE, 9.5mm
HMA WEDGE AND LEVEL, TYPE B, 1 IN±
- (F) PROPOSED SIDEWALK, CONCRETE, 4"
- (G) PCCP, 4 INCH, 6" COMPACTED AGGREGATE NO. 53
- (K) PROPOSED HMA BIKEPATH
185 lb/yd² QC/QA HMA, 2, 64, SURFACE, 9.5mm ON
200 lb/yd² QC/QA HMA, 2, 64, INTERMEDIATE, 19mm ON
6" COMPACTED AGGREGATE, NO. 53, ON
SUBGRADE TREATMENT, TYPE III (IN PLACE COMPACT)
- (15) CURB & GUTTER, 6" CURB HEIGHT, CONCRETE, MODIFIED
18" GUTTER FLAG
- (13A) CURB & GUTTER, 6" CURB HEIGHT, CONCRETE, MODIFIED
12" GUTTER FLAG
- (15B) CURB INTEGRAL CONCRETE
- (15C) CURB, CONCRETE
- (17) PAVED SIDE DITCH, H MODIFIED
- (18) CENTER CURB, D, CONCRETE MODIFIED
- (24) TOPSOIL, 4", MULCHED SEEDING U
WITH EROSION CONTROL BLANKET
- (26) TOPSOIL, 4", SODDING, NURSERY
- (SC) STAMPED CONCRETE SIDEWALK
6" COMPACTED AGGREGATE 53
- EXISTING WETLAND
- LIMITS OF CONSTRUCTION

NOTES:

1. ALL EXISTING TOPOGRAPHY AND R/W DESCRIBED
OFF LINE "B". ALL PROPOSED IMPROVEMENTS
DESCRIBED OFF LINE "PR-B", TO BE CONSTRUCTED.
2. SEE PLAN & PROFILE SHEETS AND STRUCTURE DATA
TABLES FOR DRAINAGE STRUCTURE INFORMATION.

SEC 30, T-36-N, R-9-W
NORTH TOWNSHIP
LAKE COUNTY

120+00

121+00

122+00

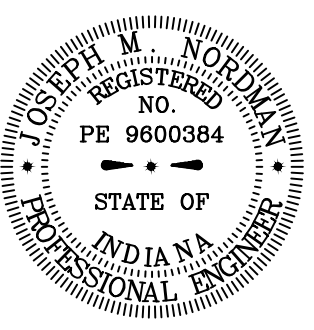
123+00

124+00

BENCH MARK:
SQUARE CUT ON CONC BASE
FOR LIGHT POLE, WEST SIDE OF
CALUMET AVENUE, 30' NORTH OF
WHITE CASTLE BUILDING.
ELEVATION = 619.67

Robinson
ENGINEERING

08315-PLAN-DTLS-01 - C12



RECOMMENDED
FOR APPROVAL *Joseph M. Robinson* 11/20/18
DESIGN ENGINEER DATE

DESIGNED: JB DRAWN: RG
CHECKED: JMN CHECKED: AG

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
CALUMET AVENUE - LINE "PR-B"

HORIZONTAL SCALE	ROAD FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	0710056
SURVEY BOOK	SHEETS
N/A	103 of 360
CONTRACT	PROJECT
B-36229	0710056

125+00

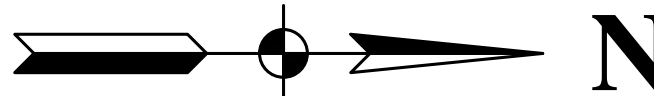
126+00

127+00

128+00

129+00

SEC 30, T-36-N, R-9-W
NORTH TOWNSHIP
LAKE COUNTY



LEGEND

- (A) PROPOSED HMA PAVEMENT (45TH STREET)
165 lb/yd² QC/QA HMA, 3, 70, SURFACE, 9.5mm ON
275 lb/yd² QC/QA HMA, 3, 70, INTERMEDIATE, 19mm ON
660 lb/yd² QC/QA HMA, 3, 64, BASE, 19mm ON
SUBGRADE TREATMENT, TYPE IC (12 IN COMPACTED AGGREGATE)
- (B) PROPOSED HMA PAVEMENT (CALUMET AVENUE)
165 lb/yd² QC/QA HMA, 4, 70, SURFACE, 9.5mm ON
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660 lb/yd² QC/QA HMA, 4, 64, BASE, 19mm ON
SUBGRADE TREATMENT, TYPE IC (12 IN COMPACTED AGGREGATE)
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SUBGRADE TREATMENT, TYPE II
- (D) PROPOSED HMA PAVEMENT FOR APPROACHES
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- (E) PROPOSED HMA PAVEMENT (ALLEY)
165 lb/yd² QC/QA HMA, 2, 64, SURFACE, 9.5mm ON
385 lb/yd² QC/QA HMA, 2, 64, INTERMEDIATE, 19.0mm ON
5" COMPACTED AGGREGATE, NO. 53 ON
SUBGRADE TREATMENT, TYPE IV (12" #53'S TYPE IB GEOGRID)
- (EE) PROPOSED RESURFACING
MILLING, ASPHALT, 1 IN
165 lb/yd² QC/QA HMA, 3, 70, SURFACE, 9.5mm
HMA WEDGE AND LEVEL, TYPE B, 1 IN±
- (F) PROPOSED SIDEWALK, CONCRETE, 4"
- (G) PCCP, 4 INCH, 6" COMPACTED AGGREGATE NO. 53
- (K) PROPOSED HMA BIKEPATH
165 lb/yd² QC/QA HMA, 2, 64, SURFACE, 9.5mm ON
200 lb/yd² QC/QA HMA, 2, 64, INTERMEDIATE, 19mm ON
6" COMPACTED AGGREGATE, NO. 53, ON
SUBGRADE TREATMENT, TYPE III (IN PLACE COMPACT)
- (15) CURB & GUTTER, 6" CURB HEIGHT, CONCRETE, MODIFIED
18" GUTTER FLAG
- (15A) CURB & GUTTER, 6" CURB HEIGHT, CONCRETE, MODIFIED
12" GUTTER FLAG
- (15B) CURB INTEGRAL CONCRETE
- (15C) CURB, CONCRETE
- (17) PAVED SIDE DITCH, H MODIFIED
- (18) CENTER CURB, D, CONCRETE MODIFIED
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WITH EROSION CONTROL BLANKET
- (26) TOPSOIL, 4", SODDING, NURSERY
- (SC) STAMPED CONCRETE SIDEWALK
6" COMPACTED AGGREGATE 53
- (W) EXISTING WETLAND
- LIMITS OF CONSTRUCTION

NOTES:

1. ALL EXISTING TOPOGRAPHY AND R/W DESCRIBED
OFF LINE "B". ALL PROPOSED IMPROVEMENTS
DESCRIBED OFF LINE "PR-B", TO BE CONSTRUCTED.
2. SEE PLAN & PROFILE SHEETS AND STRUCTURE DATA
TABLES FOR DRAINAGE STRUCTURE INFORMATION.

SEC 30, T-36-N, R-9-W
NORTH TOWNSHIP
LAKE COUNTY

125+00

126+00

127+00

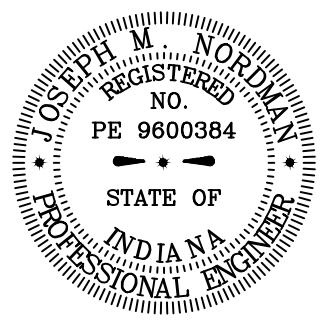
128+00

129+00

BENCH MARK:
SQUARE CUT ON CONC BASE
FOR LIGHT POLE, WEST SIDE OF
CALUMET AVENUE, 30' NORTH OF
WHITE CASTLE BUILDING.
ELEVATION = 619.67



08315-PLAN-DTLS-01 - C12C



RECOMMENDED
FOR APPROVAL *Joseph M. Woldman* 11/20/18
DESIGN ENGINEER DATE

DESIGNED: JB DRAWN: RG
CHECKED: JMN CHECKED: AG

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
CALUMET AVENUE - LINE "PR-B"

HORIZONTAL SCALE	ROAD FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	0710056
SURVEY BOOK	SHEETS
N/A	104 of 360
CONTRACT	PROJECT
B-36229	0710056