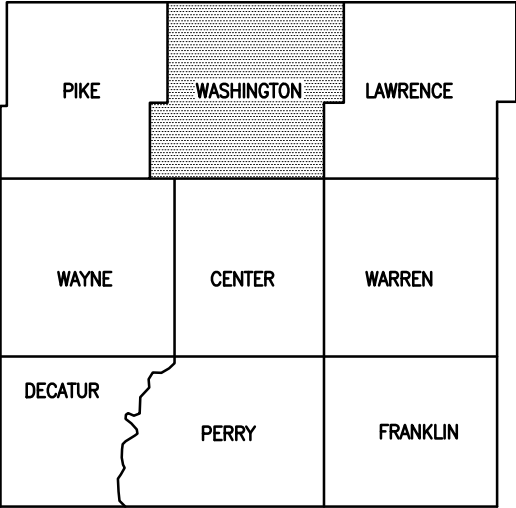


CITY OF INDIANAPOLIS
DEPARTMENT OF PUBLIC WORKS

MARION COUNTY, INDIANA
GREGORY A. BALLARD, MAYOR
LORI MISER, DIRECTOR



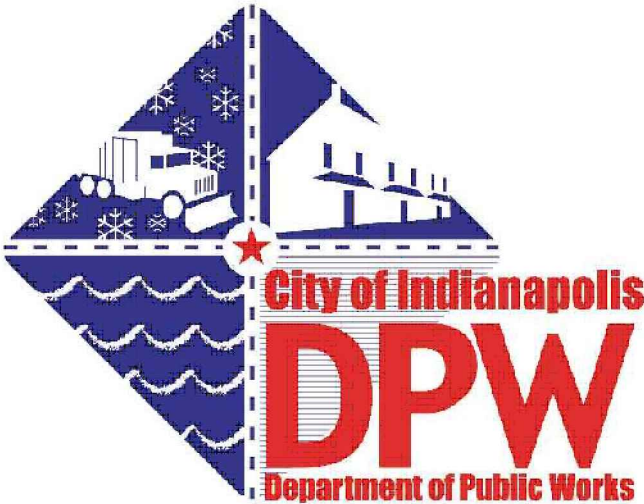
MARION COUNTY TOWNSHIP MAP

VICINITY MAP KEY

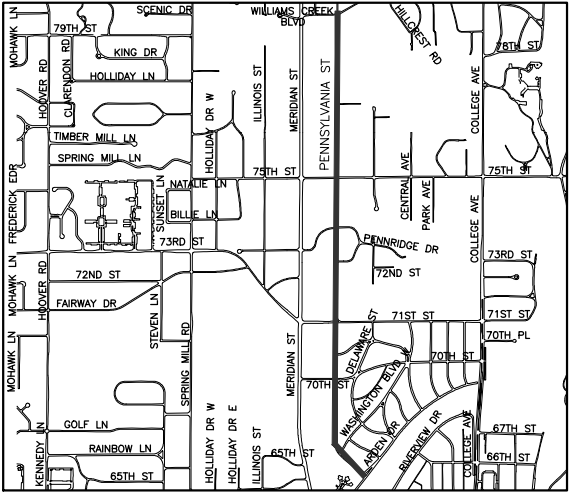
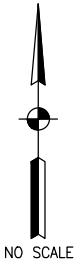
MARK	STREET	LOCATION	TOWNSHIP
①	PENNSYLVANIA ST.	ARDEN DR. TO WILLIAMS CREEK BLVD.	WASHINGTON



PROJECT LOCATION MAP



① PENNSYLVANIA ST.



1:4000

PENNSYLVANIA ST.

REVISIONS

REVISION No.	DATE	SHEETS

THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE FROM INFORMATION PROVIDED BY THE RESPECTIVE UTILITIES. THE UTILITY LOCATIONS MAY NOT BE COMPLETE OR NECESSARILY ACCURATE. THE CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED PRIOR TO BEGINNING WORK.

CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262



INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

**DPW PROJECT RS-12-601C
RESURFACING WITH RELATED ITEMS
TITLE SHEET**

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
1 of 27
DATE
01/08/2014

LEGEND

Existing Legend	
— GAS —	Gas
— W —	Water
— SAN —	Sanitary
— STS —	Storm
— FC —	Fiber Optic
	Telephone Box
	Cable TV Vault
	Storm Structure
	Remove/Reset Mailbox
	Gas Valve
	Miscellaneous Poles
	Signal Detector housing
	Signal Pole
	Traffic Control Box
	Water Meter
	Water Valve
	Fire Hydrant
	Power Pole
	Light Pole
	Gas Meter
	Misc. Manhole
	Traffic Manhole
	Catch Basin Round
	Catch Basin Square
	Curb Inlet
Proposed Legend	
	Blue RPM
	Adjust Casting to Grade
	Adjust Detector Housing to Grade
	Compacted Aggregate, Type "O", No. 53
	HMA For Approaches, Type "B"
	HMA Base 25mm for Base Repair (990#/ SYD MIN.)
	HMA For Widening
	Monolithic Curb
	Concrete Curb, 20"
	Concrete Curb and Gutter
	Concrete Curb Removal (All Types)
	Concrete Rolled Curb & Gutter
	Bituminous Cold Planing, Up to 3 1/2"
	Concrete Cold Planing and Scarify
	Clean Structure
	Geotextiles
	Riprap

UTILITIES

TELEPHONE: AT&T 5870 N. COLLEGE AVENUE INDIANAPOLIS, IN 46220 MICHEAL HAYNES PHONE: (317) 275-6355 GREG CAMMACK PHONE: (317) 752-9426 BRIAN CRAVENS PHONE: (317) 252-5003	SANITARY SEWER DEPARTMENT OF PUBLIC WORKS CITY OF INDIANAPOLIS RM. 2460, CITY COUNTY BUILDING 200 E. WASHINGTON STREET INDIANAPOLIS, IN 46204 TIM LAWSON PHONE: (317) 327-8725 EMAIL: tlawson@indygov.org
CABLE TELEVISION & IDA FIBEROPTIC BRIGHTHOUSE CABLEVISION 3030 ROOSEVELT AVE. INDIANAPOLIS, IN. 46218 JEFF FARMER PHONE: (317) 632-9077 x263 EMAIL: jejjry.farmer@mybighthouse.com	ELECTRIC: INDIANAPOLIS POWER & LIGHT CO. P.O. BOX 1595 INDIANAPOLIS, IN 46206-1595 PHONE: (317) 261-8138 (UNDERGROUND) PHONE: (317) 261-8622 (LIGHTING) RHONDA WILLIAMS PHONE: (317) 261-5203 EMAIL: RhondaWilliams@ges.com
GAS: CITIZENS GAS & COKE UTILITY 2020 N. MERIDIAN STREET INDIANAPOLIS, IN 46202 RICH MILLER PHONE: (317) 927-4684 EMAIL: rmiller@citizensenergygroup.com	WATER: VEOLIA WATER P.O. BOX 1220 INDIANAPOLIS, IN 46206 PHONE: (317) 847-0879 DANNY HAMMER EMAIL: danny.hammer@veoliawatern.com
STEAM CITIZENS THERMAL ENERGY 366 KENTUCKY AVE. INDIANAPOLIS, IN. 46225 FRED BRASHER PHONE: (317) 693-7772 EMAIL: fbrasher@citizensenergygroup.com	CHILLED WATER CITIZENS THERMAL ENERGY 366 KENTUCKY AVE. INDIANAPOLIS, IN. 46225 FRED BRASHER PHONE: (317) 693-7772 EMAIL: fbrasher@citizensenergygroup.com

GENERAL NOTES

- THESE PLANS AND CONTRACT DOCUMENTS HAVE BEEN PREPARED PER THE SCOPE OF WORK PROVIDED BY INDIANAPOLIS DPW.
- THIS PROJECT IS FOREMOST A RESURFACING PROJECT, NOT A TOTAL REHABILITATION, TOTAL UPGRADE, OR RECONSTRUCTION. THESE DOCUMENTS HAVE BEEN PREPARED TO MEET THE GOALS AS SET OUT IN THE SCOPE OF THE ENGINEER'S REPORT AND DO NOT NECESSARILY MEET ALL OF THE CRITERIA OF AASHTO OR INDOT FOR DESIGN. ALL PROPOSED WORK AS SHOWN ON THESE PLANS HAS BEEN COORDINATED WITH AND APPROVED BY INDIANAPOLIS DPW.
- MANHOLES, CATCH BASINS, CASTINGS, PIPES, HYDRANTS, POWER POLES, BUILDINGS, PROPERTY BOUNDARIES, ETC., THAT ARE INDICATED ON PLAN SHEETS HAVE BEEN IDENTIFIED AND LOCATED BY IMAGIS DRAWINGS OR BY THE ENGINEER'S FIELD REVIEW. THIS INFORMATION IS SHOWN FOR CLARITY, BUT MAY NOT BE COMPLETE OR ACCURATE. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COORDINATION, SHOWN OR NOT. THE CONTRACTOR SHALL HAVE ALL UTILITIES FIELD LOCATED AS NECESSARY PRIOR TO BEGINNING WORK. THE SUPPORT, PROTECTION AND RESTORATION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY PLACE ON THE PLANS OR IN THE SPECIFICATIONS WHERE IT IS SPECIFIED FOR THE CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL, SAID SHOP DRAWINGS MUST BE APPROVED BY THE ENGINEER PRIOR TO ORDERING OR PLACEMENT OF ANY MATERIALS FOR SAID IMPROVEMENT.
- AT ANY LOCATION WHERE MILLING IS INDICATED, A 1 INCH BUTT JOINT IS REQUIRED WHERE THE MILLING AND RESURFACING MEETS EXISTING PAVEMENT.
- THE STATIONING AND OFFSETS SHOWN HEREIN ARE FOR REFERENCE PURPOSES AND APPROXIMATE LOCATIONS OF EXISTING FEATURES ONLY, AND DO NOT REPRESENT THE RESULTS OF A ROUTE SURVEY AS DESCRIBED IN 865 IAC 1-12-20 THRU 1-12-25 (MINIMUM STANDARDS). CENTERLINES NOTED HAVE NOT BEEN MONUMENTED.
- TACK COAT IS REQUIRED WITH EACH LAYER OF ASPHALT PLACED. TACK COAT IS REQUIRED ON VERTICAL SURFACES NEXT TO ASPHALT (i.e., GUTTER, SHOULDER, WIDENING, ETC.).
- THE CONTRACTOR SHALL TRANSITION PAVEMENT SLOPE THROUGH CORNER RADII AT A CONSTANT RATE SO AS TO MATCH THE ADJACENT TYPICAL SECTIONS. WEDGE AND LEVEL MATERIAL OR OTHER MATERIAL ACCEPTED BY THE ENGINEER SHALL BE USED AS NECESSARY TO PROVIDE POSITIVE DRAINAGE OF THE INTERSECTION.
- PAVEMENT MARKINGS ON CROSS SHEET SHALL MATCH EXISTING PAVEMENT MARKINGS AT THE PAVING LIMITS SHOWN ON THE RESURFACING PLANS.
- CONTRACTOR SHALL INSTALL ONE (1) RAISED PAVEMENT MARKER CAST METAL BASE, TYPE 1 (INDOT STD. DWG NO. E 808-MKRM-10) WITH BLUE PRISMATIC REFLECTOR AT THE CENTERLINE OF ROADWAY, DIRECTLY ACROSS FROM EACH FIRE HYDRANT OR AS DIRECTED BY THE ENGINEER.
- EXISTING CURB TYPES MAY VARY AT STREETS. CONTRACTOR SHALL INSPECT CURB PRIOR TO BEGINNING WORK TO ASSURE PROPER FIT AND TRANSITION.
- ALL UTILITIES SHOWN ON PLANS WERE OBTAINED FROM DPW DATA AND/OR PLANS PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL UTILITIES IN THE AREA PRIOR TO ANY EXCAVATION.
- ALL EARTH SHOULDERS, MEDIAN AREA, CUT AND FILL SLOPES SHALL BE PLAIN OR MULCHED SEEDED EXCEPT WHERE SODDING IS SPECIFIED.
- THE PROPOSED RADII CURB AT DRIVES AND STREET APPROACHES THAT ARE TO BE REPLACED, SHALL MATCH EXISTING CURB RADII.
- THE WIDTH OF THE PROPOSED DRIVES TO BE REPLACED SHALL MATCH EXISTING DRIVE WIDTHS, UNLESS NOTED.
- THE MARION COUNTY SURVEYOR REQUIRES 96 HOURS NOTICE TO PROVIDE ASSISTANCE AS NEEDED IN LOCATION ALL HARRISON MARKERS. THE TELEPHONE NUMBER FOR THE MARION COUNTY SURVEYOR IS (317) 372-4150. THE WORK ON ALL HARRISON MONUMENTS WILL BE COORDINATED WITH AND SUPERVISED BY THE MARION COUNTY SURVEYOR. SECTION CORNERS ARE TO BE LOCATED, MARKED, AND STRADDLED BY THE MARION COUNTY SURVEYOR PRIOR TO EXCAVATION. CENTERLINE LOCATIONS ARE TO BE LOCATED AND MARKED BY THE CONTRACTOR'S SURVEYOR AND STRADDLED BY THE MARION COUNTY SURVEYOR PRIOR TO EXCAVATION.
- RIGHT-OF-WAY INFORMATION PROVIDED IS FOR ILLUSTRATIVE PURPOSES ONLY. THESE APPROXIMATE LOCATIONS ARE PROVIDED FROM THE CITY'S IMAGIS DATA. ENGINEER ASSUMES NO LIABILITY FOR ANY PROBLEMS RESULTING FROM USE OF UNRESEARCHED PROPERTY RECORDS OR UNVERIFIED SURVEY ON THIS PROJECT. IF NECESSARY, INDIANAPOLIS DPW WILL PROVIDE CONTRACTOR WITH "RIGHT-OF-ENTRY" RELEASES FROM ALL AFFECTED PROPERTY OWNERS ALONG THE WIDENING INSTALLATION ROUTES FOR GRADING PURPOSES. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION. DISTURBED LAWNS SHALL BE REPLACED WITH MULCHED SEEDING, AS DIRECTED BY ENGINEER.
- ALL INLETS NOTED AS "MODIFIED" TYPE ARE STANDARD INDOT STRUCTURES, WITH ANY OF THE FOLLOWING MODIFICATIONS: 1) ADJUSTMENTS IN DEPTH, 2) ADDITIONAL INLET OR OUTLET PIPES, OR 3) A 3" DROP ACROSS THE STRUCTURE BOTTOM. UNLESS OTHERWISE NOTED NO SPECIAL DETAILS ARE REQUIRED.
- ANY SAW-CUTTING TO REMOVE CURB, SIDEWALK, ADA CURB RAMPS, AND DRIVES SHALL BE INCLUDED IN THE COST OF THE COINCIDING REMOVAL ITEM AND WILL NOT BE PAID FOR SEPARATELY.
- NEW TRAFFIC SIGNAL LOOPS SHALL BE PLACED AS NEAR AS PRACTICAL TO THE LOCATION OF THE EXISTING LOOPS THEY REPLACE.
- FOR ANY BID ITEM FOR WHICH A QUANTITY IS BID (SEE ITEMIZED PROPOSAL), PRIOR WRITTEN APPROVAL FROM THE ENGINEER TO EXCEED THE BID QUANTITY IS REQUIRED OR NO PAYMENT WILL BE MADE FOR THE OVERAGE.
- CONSTRUCTION SIGNS TO BE FIELD LOCATED AND APPROVED BY ENGINEER.
- DUE TO EXISTING FIELD CONDITIONS, CONFORMANCE TO ADA STANDARDS WILL NOT ALWAYS BE POSSIBLE IN ORDER TO TRANSITION TO MEET EXISTING CONDITIONS (I.E. NON-COMPLIANT SLOPES).
- THE LONGITUDINAL BLOCKS OF THE CONTINENTAL PEDESTRIAN CROSSWALK DESIGNS ARE TO BE INSTALLED PARALLEL TO TRAFFIC FLOW AND SHOULD AVOID WHEEL PATHS WHENEVER POSSIBLE.

	Remove, Flip, Reset Stone Curb		Line Thermoplastic, Solid, White, 4 in.
	Remove Guardrail		Line Thermoplastic, Broken, White, 4 in.
	Remove and Reset Casting		Line Thermoplastic, Solid, White, 6 in.
	Remove and Reset Mailbox		Line Thermoplastic, Lane Extensions, 6 in. Dotted, White, 2' Line, 6' Gap
	Remove and Reset Fence		Line Multi-Component, Solid, White, 4 in.
	Bus Stop Pad, 6 in. concrete on 4 in. of 53 compacted aggregate		Line Thermoplastic, Solid, Yellow, 4 in.
	Sidewalk Curb Ramp, Type A		Line Thermoplastic, Broken, Yellow, 4 in.
	Sidewalk Curb Ramp, Type B		Line Thermoplastic, White, Stop Bar, 24 in.
	Sidewalk Curb Ramp, Type C		Line Multi-Component, White, Stop Bar, 24 in.
	Sidewalk Curb Ramp, Type D		Line Thermoplastic, Transverse Marking, Crosswalk, 6 in.
	Sidewalk Curb Ramp, Type F		Line Thermoplastic, Transverse Marking, Crosswalk, White, 24 in.
	Sidewalk Curb Ramp, Type G		Transverse Marking, Thermoplastic, White, 4 in.
	Sidewalk Curb Ramp, Type H		Transverse Marking, Thermoplastic, "ONLY"
	Sidewalk Curb Ramp, Type K		Transverse Marking, Thermoplastic, Lane Indication Arrow
	Sidewalk Transition		Pavement Message Marking, Thermoplastic, Bike Symbol
			Pavement Message Marking, Thermoplastic, Shared Lane Indication Arrow & Bike Symbol

INDEX

SHEET No.	DESIGNATION	DPW MAP No.
1	TITLE SHEET	
2	GENERAL NOTES	
3	TYPICAL SECTION	
4	MISCELLANEOUS DETAILS	
5-24	RESURFACING PLANS	37, 60
25	SUMMARY OF QUANTITIES	

HOLEY MOLEY SAYS
**DON'T
DIG
BLIND'**



'IT'S THE LAW'
CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544

CALL TOLL FREE
PER INDIANA STATE LAW IS-69-1991,
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: BDF
CHECKED: REW

DESIGNED: REW
CHECKED: PLK

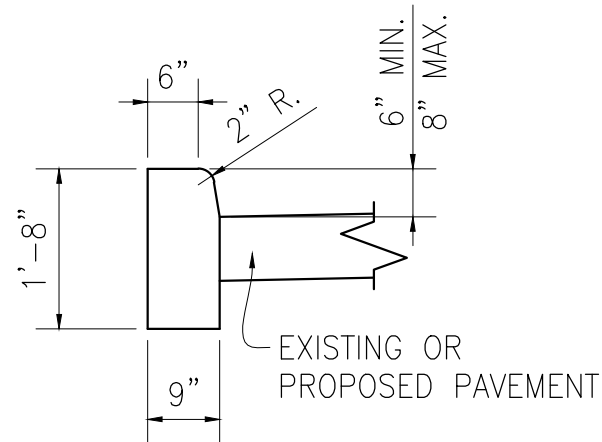
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

GENERAL NOTES
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

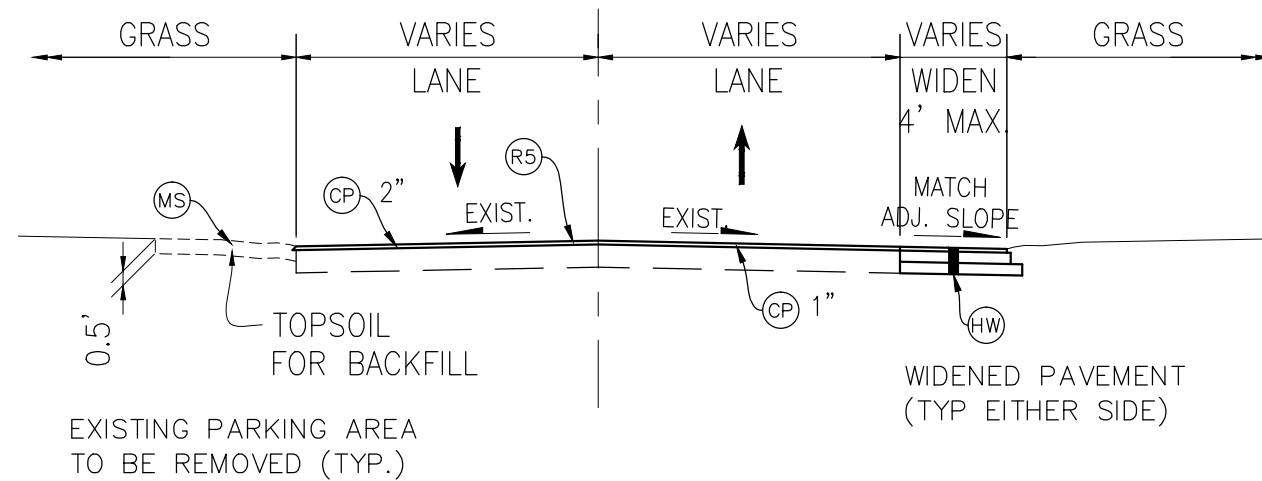
SCALE
AS NOTED
PROJECT NO.
RS-12-601C

SHEETS
2 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-204-Typical Section.dwg Feb 06, 2014-12:46:22 pm LAYOUT: TYPICAL SECTION



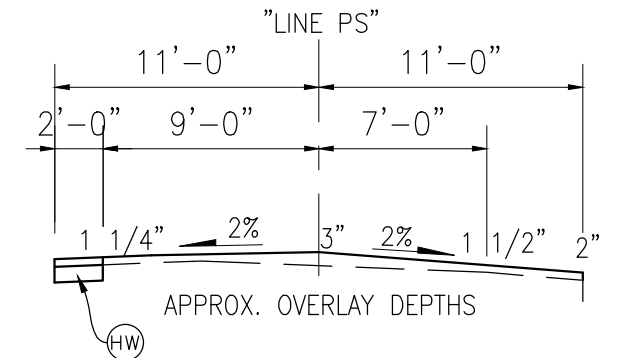
CC 20" CONCRETE CURB
SCALE: N.T.S.



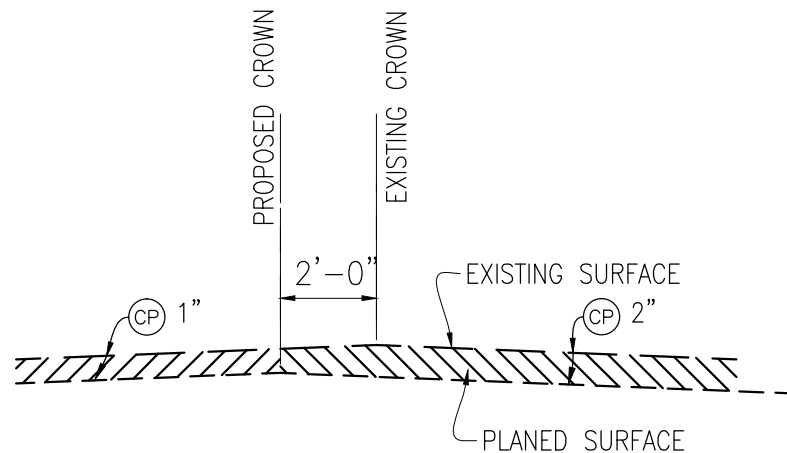
PENNSYLVANIA STREET
ARDEN DR. TO WILLIAMS CREEK BLVD.

LEGEND

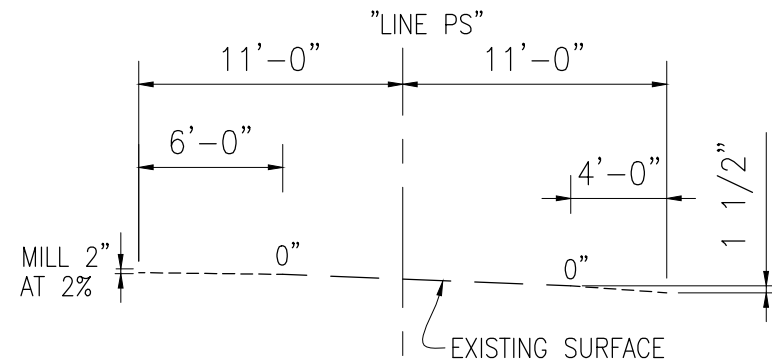
- (R5) 220#/SYD HMA SURFACE TYPE B
- (CP) COLD PLANING UP TO 3 1/2"
- (HW) 220#/SYD HMA SURFACE TYPE B ON 660#/SYD HMA BASE TYPE B FOR WIDENING ON SUBGRADE TREATMENT, TYPE III
- (MS) MULCHED SEEDING



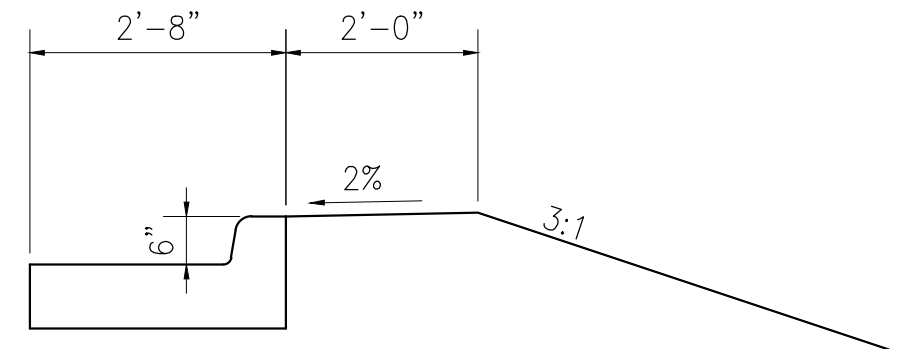
ESTABLISH CROWN SECTION
STA. 110+50 TO STA 112+50



DIFFERENTIAL COLD PLANING DEPTH
SCALE: N.T.S.
MOVES ROADWAY CROWN 2'
FOR WIDENING ON ONE SIDE



PROFILE MILLING
STA. 110+50 TO STA 112+50



CG CONCRETE CURB AND GUTTER
SCALE: N.T.S.
STA. 107+00 TO STA. 108+15±
INDOT STANDARD DRAWING E 605-CCCG-01

CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB
1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

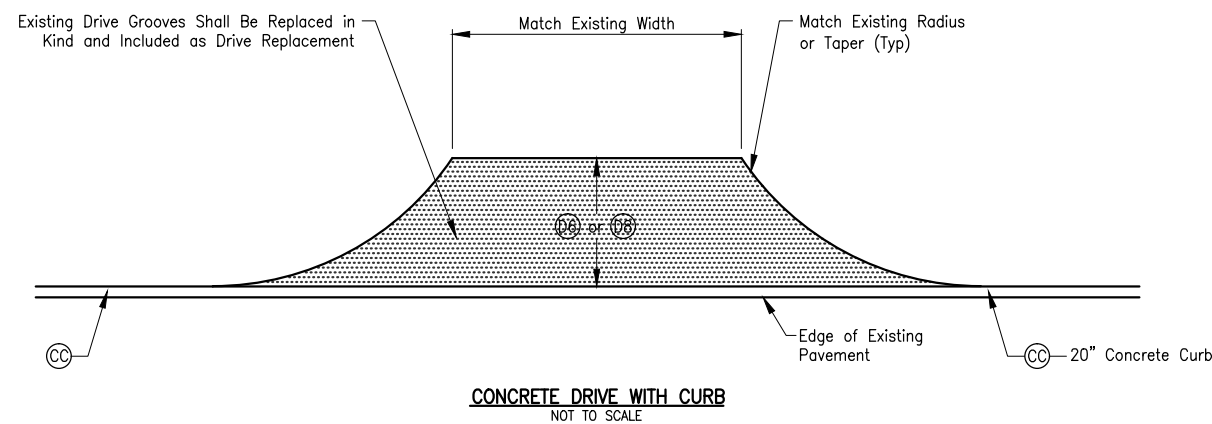
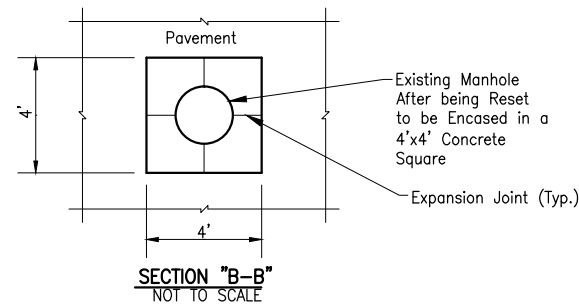
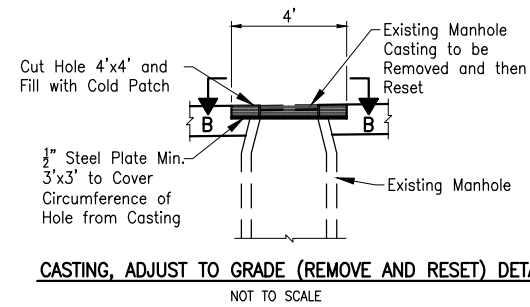
INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

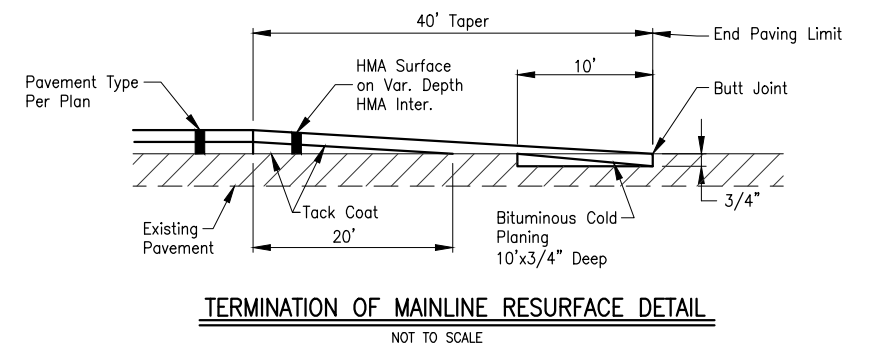
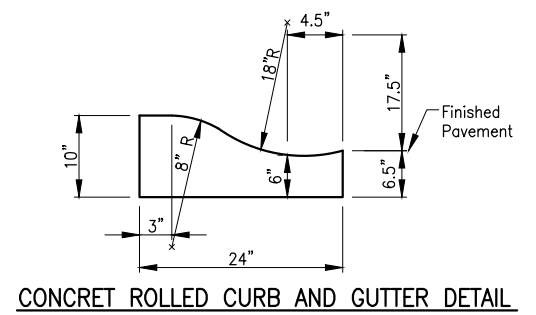
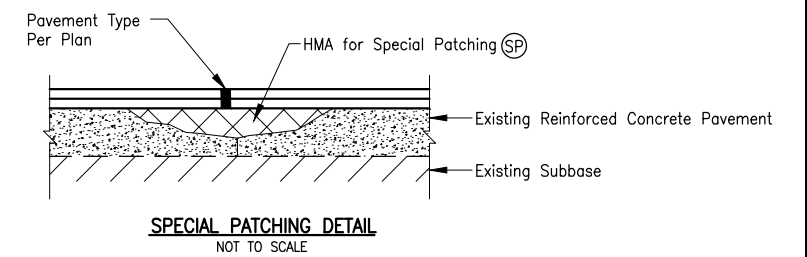
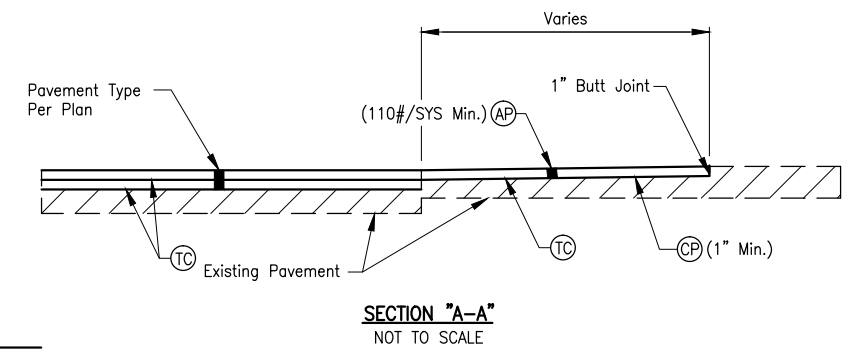
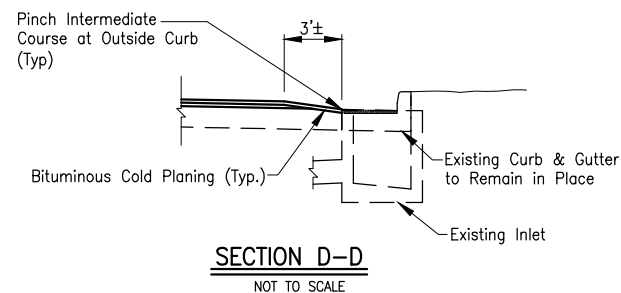
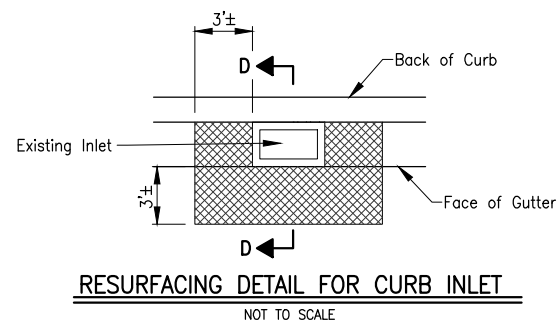
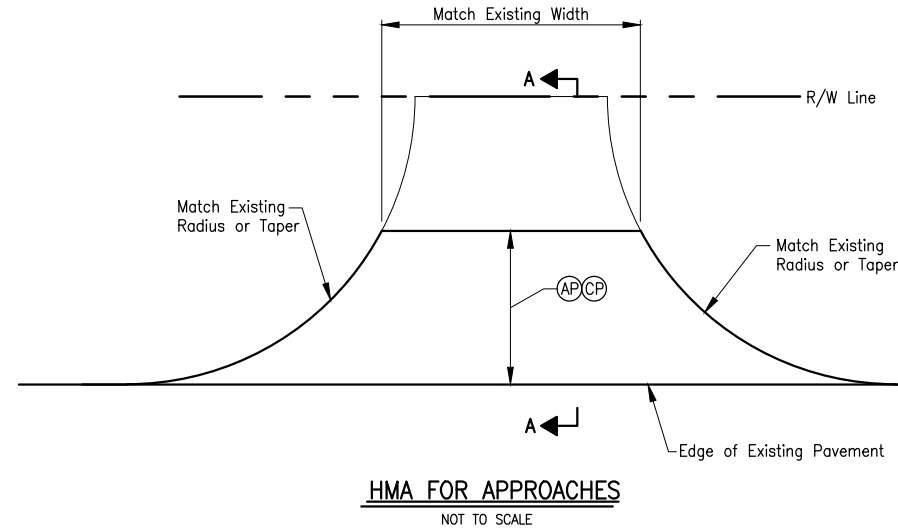
TYPICAL SECTIONS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
3 of 27
DATE
01/08/2014



LEGEND

- (AP) Asphalt for Approaches
- (CP) Bituminous Cold Planing, Up to 3 1/2"
- (D6) Conc. Pvmt. for Driveways, 6"
- (D8) Conc. Pvmt. for Driveways, 8"
- (TC) Tack Coat
- (SP) HMA for Special Patching



JANSSEN & SPAANS ENGINEERING
 9120 Harrison Park Court
 Indianapolis, Indiana 46216
 Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
 STANDARD SPECIFICATIONS DATED 2014
 TO BE USED WITH THESE PLANS.

DRAWN: BDF
 CHECKED: REW
 DESIGNED: REW
 CHECKED: PLK

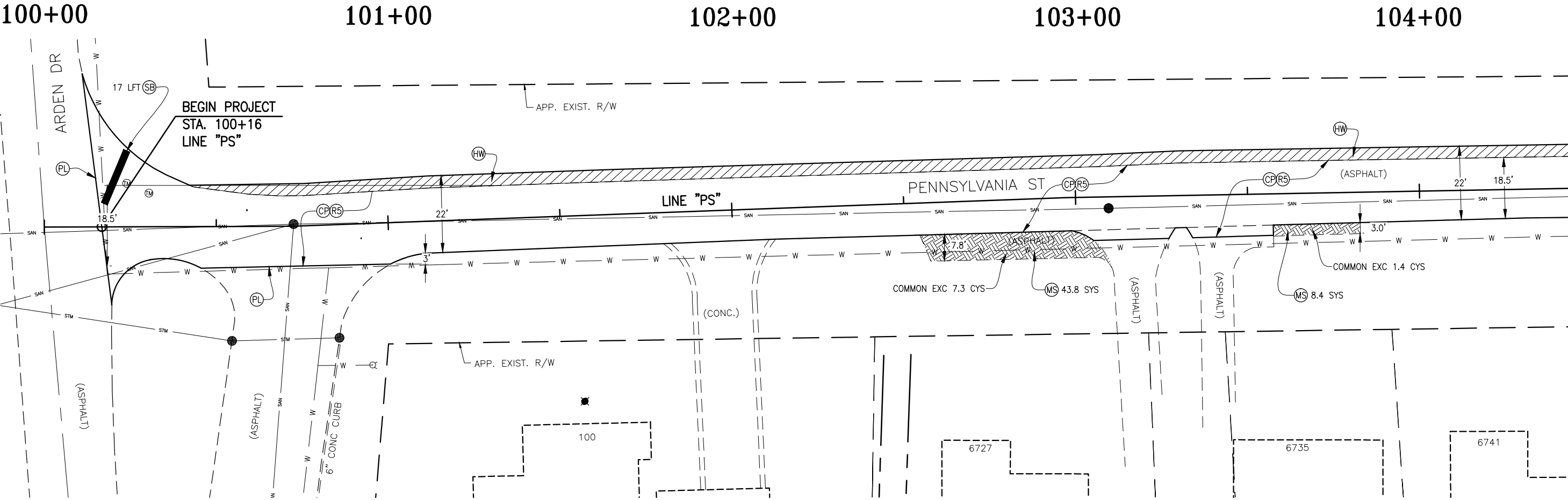
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

**MISCELLANEOUS DETAILS
 PENNSYLVANIA ST. FROM
 ARDEN DR. TO WILLIAMS CREEK BLVD.**

SCALE
 AS NOTED
 PROJECT NO.
 RS-12-601C
 SHEETS
 4 of 27
 DATE
 01/08/2014

CERTIFIED BY: *Ronald E. Webb*
 RONALD E. WEBB
 1/08/14
 DATE

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:49:47 pm LAYOUT: SHEET 1

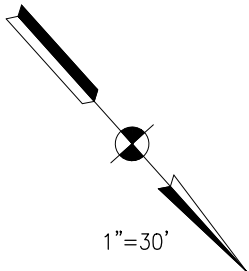


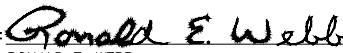
GENERAL NOTES

1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
 2. See Typical Sections & Details for base repair detail.
- * Level Area 50:1 Max. Cross Slope
- ** See previous sheets for quantities


LEGEND

- ▶ Blue RPM (Fire Hydrant)
- Ⓐ HMA For Approaches, Type B
- Ⓗ W HMA For Widening
- Ⓓ G Ditch Grading
- Ⓒ P Bituminous Cold Planing
- Ⓓ G Special Ditch Grading
- Ⓔ E Geotextiles
- Ⓐ PL Paving Limits
- Ⓒ R5 220#/SYD HMA, Type B, Surface
- Ⓖ S Mulched Seeding
- Ⓖ P RipRap
- Ⓖ B Line, Thermoplastic, White, Stop Bar, 24 in.



CERTIFIED BY: 
RONALD E. WEBB

1/08/14
DATE


JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

DRAWN: BDF
CHECKED: REW

DESIGNED: REW
CHECKED: PLK

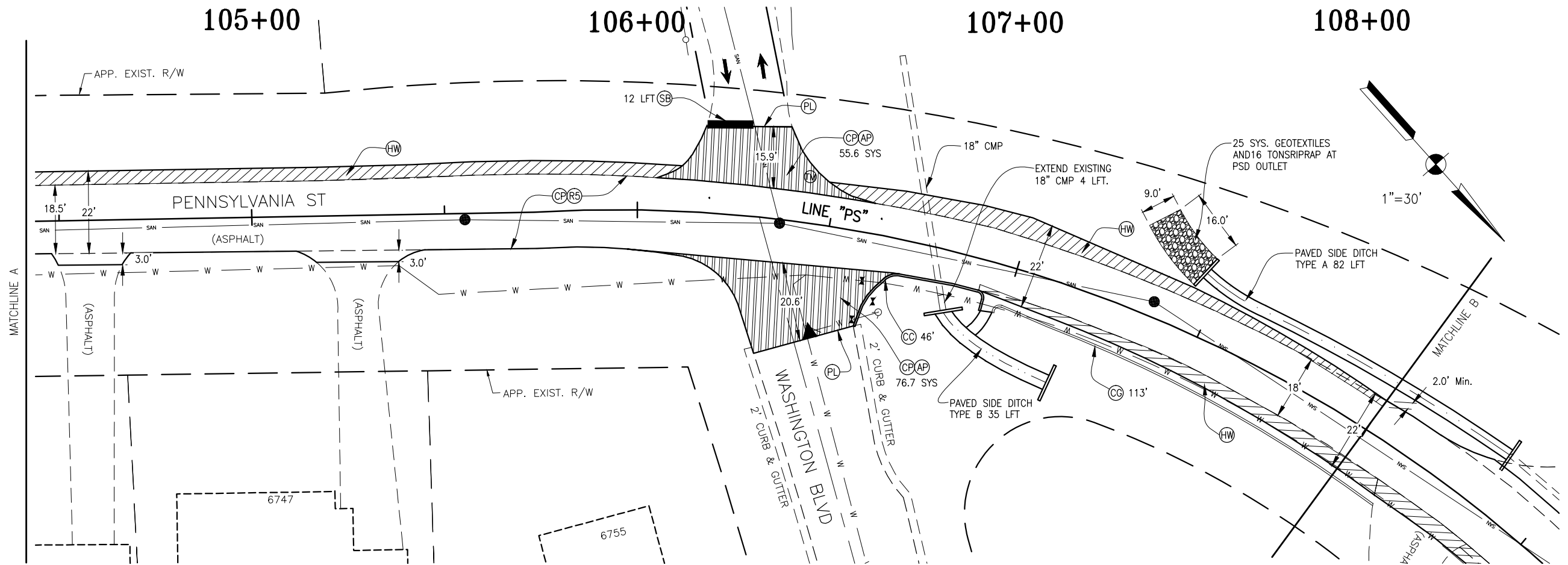
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

**CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.**

SCALE	AS NOTED
PROJECT NO.	RS-12-601C
SHEETS	5 of 27
DATE	01/08/2014

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:50:03 pm LAYOUT: SHEET 2



GENERAL NOTES

1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ► Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (R5) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (GG) Special Ditch Grading | (CC) Concrete Curb, 20" |
| (GE) Geotextiles | (CG) Concrete Curb and Gutter |

Benchmark - Cut "x" in the West Flange Bolt of Fire Hydrant located on the North side of Intersection of Pennsylvania St. and Washington Blvd.

Assumed Elev. = 103.49'

VERTICAL DATUM ONLY - NO HORIZONTAL CONTROL
CENTERLINE WAS ESTABLISHED BY SPLITTING PAVEMENT

CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

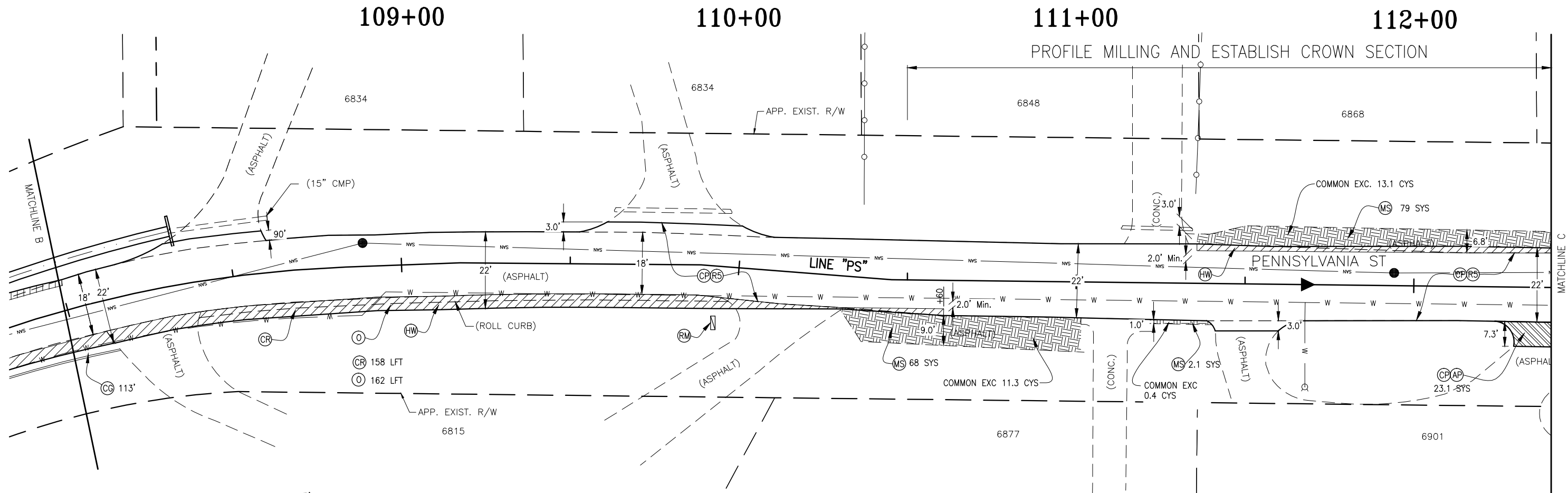
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C

SHEETS
6 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:50:21 pm LAYOUT: SHEET 3



GENERAL NOTES

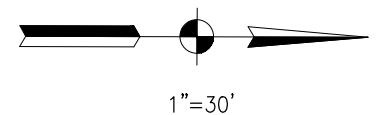
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|-------------------------------------|------------------------------------|
| ▶ Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (RS) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (CR) Concrete Curb Removal |
| (DG) Special Ditch Grading | (RM) Remove and Reset Mailbox |
| (GE) Geotextiles | |
| (O) Concrete Rolled Curb and Gutter | |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

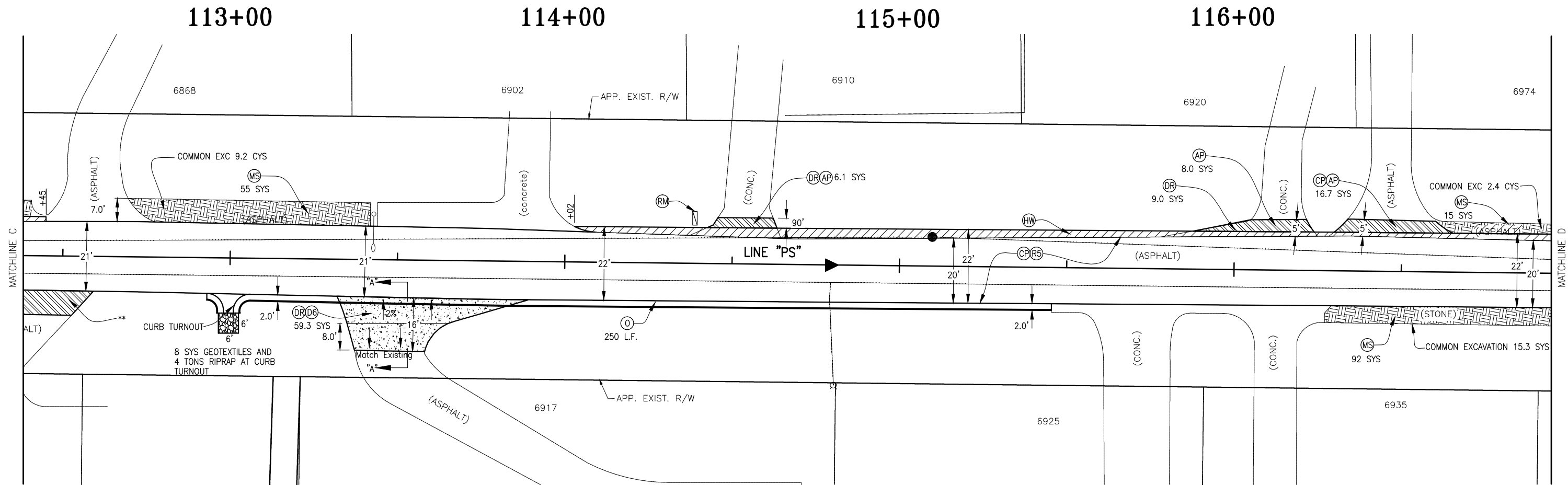
DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
7 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:50:39 pm LAYOUT: SHEET 4



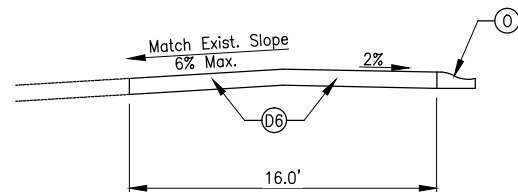
GENERAL NOTES

- (DR) Drive Removal (All Types)
- (D6) Concrete Pavement for Driveways, 6"
- (CG) Concrete Curb and Gutter

1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

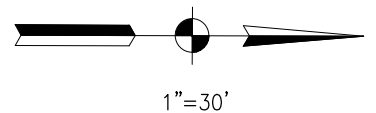
** See previous sheets for quantities



SECTION "A-A"
N.T.S.

LEGEND

- Blue RPM (Fire Hydrant)
- (AP) HMA For Approaches, Type B
- (HW) HMA For Widening
- (DG) Ditch Grading
- (CP) Bituminous Cold Planing
- (SG) Special Ditch Grading
- (GE) Geotextiles
- (O) Concrete Rolled Curb and Gutter
- (PL) Paving Limits
- (RS) 220#/SYD HMA, Type B, Surface
- (MS) Mulched Seeding
- (RIP) RipRap
- (SB) Line, Thermoplastic, White, Stop Bar, 24 in.
- (RM) Remove and Reset Mailbox
- (DR) Drive Removal
- (D6) Concrete Pavement for Driveways, 6"



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.














DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

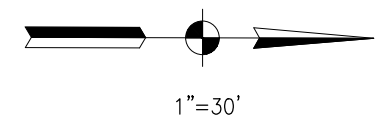
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

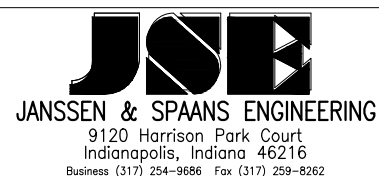
SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
8 of 27
DATE
01/08/2014

- * Level Area 50:1 Max. Cross Slope
- ** See previous sheets for quantities.

- | | | | |
|---|----------------------------|---|--|
|  | Blue RPM (Fire Hydrant) |  | Paving Limits |
|  | HMA For Approaches, Type B |  | 220#/SYD HMA, Type B, Surface |
|  | HMA For Widening |  | Mulched Seeding |
|  | Ditch Grading |  | RipRap |
|  | Bituminous Cold Planing |  | Line, Thermoplastic, White, Stop Bar, 24 in. |
|  | Special Ditch Grading |  | Remove and Reset Mailbox |
|  | Geotextiles | | |



1/08/14
DATE



INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: <u> </u> BDF
CHECKED: <u> </u> REW
DESIGNED: <u> </u> REW
CHECKED: <u> </u> PLK

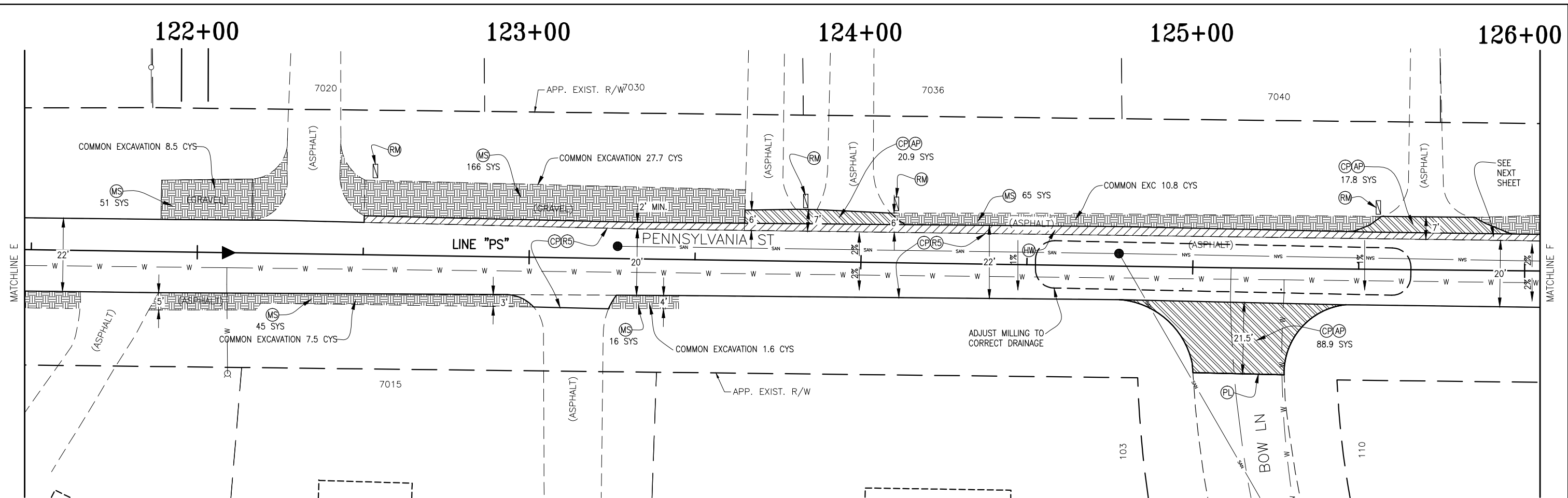
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C

SHEETS		
9	of	27
DATE		
01/08/2014		

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:51:13 pm LAYOUT: SHEET 6



GENERAL NOTES

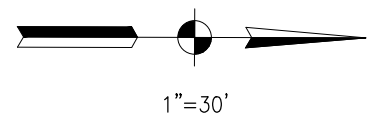
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ► Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (R5) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (SG) Special Ditch Grading | (RM) Remove and Reset Mailbox |
| (GE) Geotextiles | |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

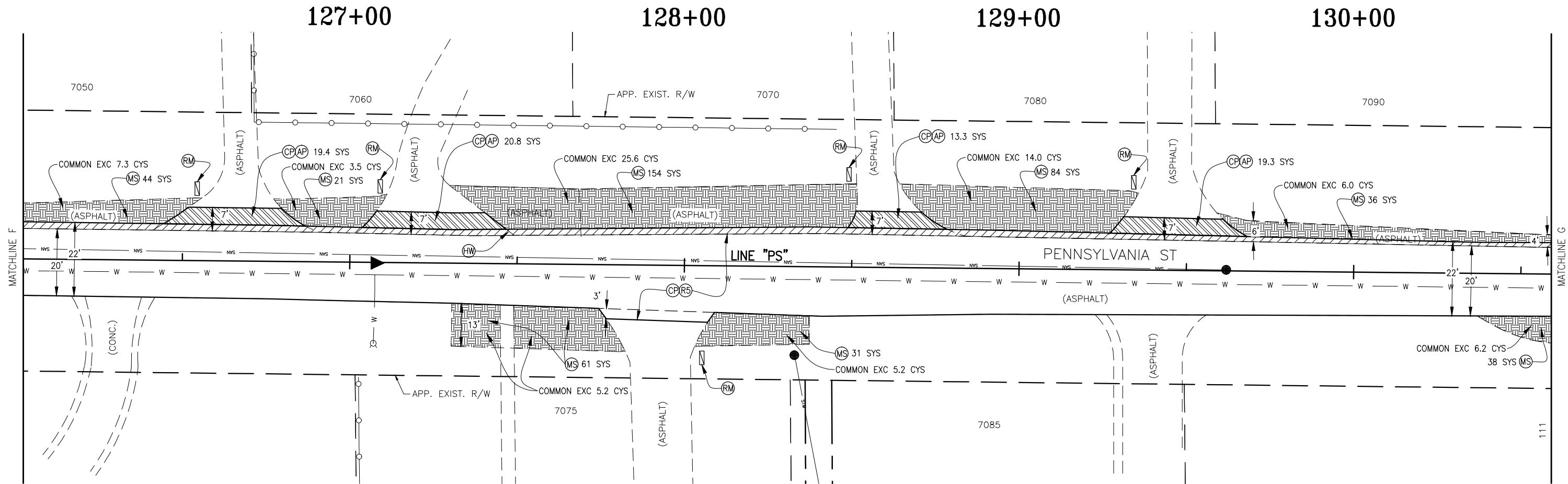
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C

SHEETS
10 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:51:29 pm LAYOUT: SHEET 7



GENERAL NOTES

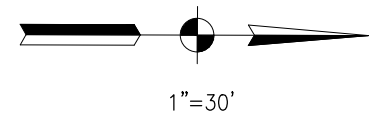
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ▶ Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (RS) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (SG) Special Ditch Grading | (RM) Remove and Reset Mailbox |
| (GE) Geotextiles | |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

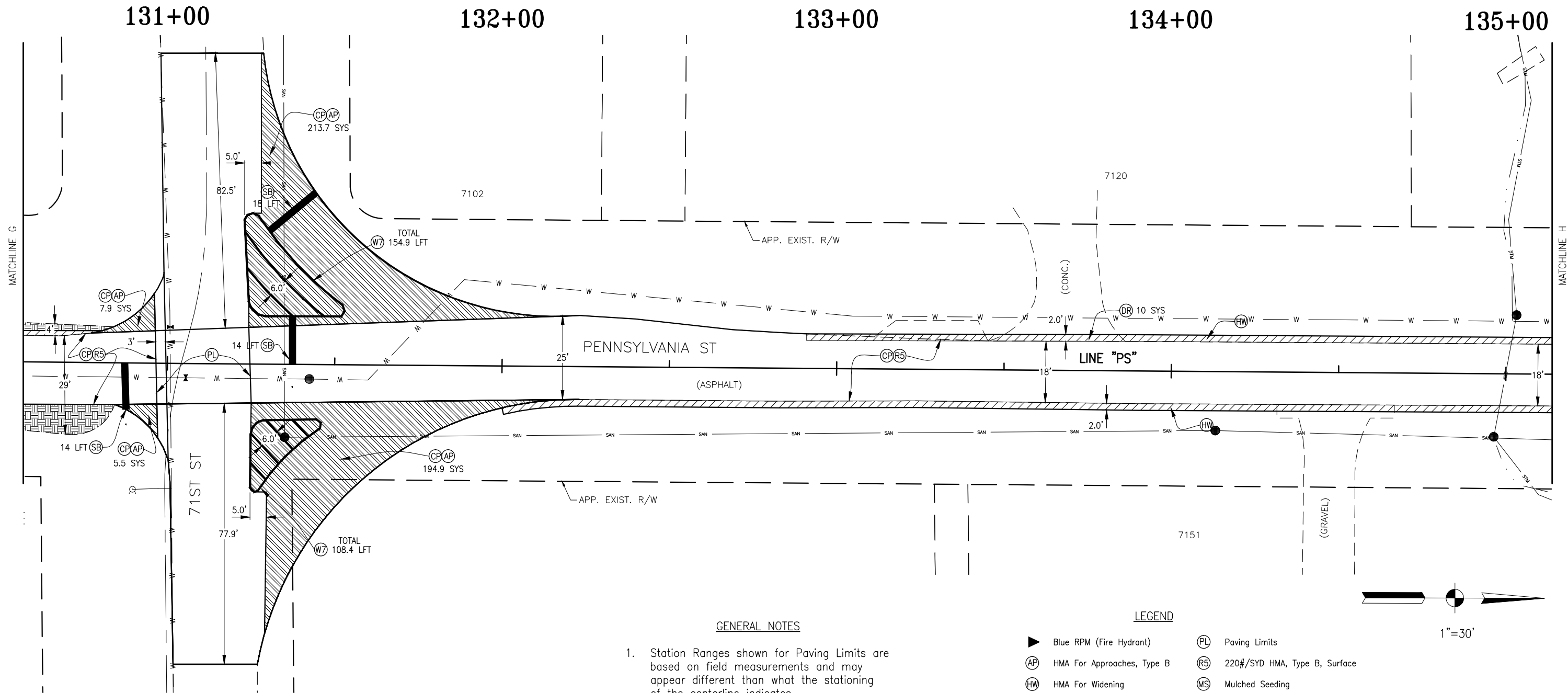
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C

SHEETS
11 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:51:47 pm LAYOUT: SHEET 8



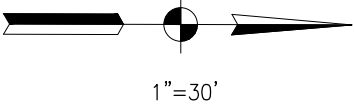
GENERAL NOTES

1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

LEGEND

- | | |
|-------------------------------|--|
| Blue RPM (Fire Hydrant) | PL Paving Limits |
| AP HMA For Approaches, Type B | R5 220#/SYD HMA, Type B, Surface |
| HW HMA For Widening | MS Mulched Seeding |
| DG Ditch Grading | RIP RipRap |
| CP Bituminous Cold Planing | SB Line, Thermoplastic, White, Stop Bar, 24 in. |
| DG* Special Ditch Grading | Y Line, Thermoplastic, Solid, Yellow, 4 in. |
| GE Geotextiles | W7 Transverse Marking, Thermoplastic, White, 6 In. |
| DR Drive Removal | W2 Line, Thermoplastic, Solid White, 6 In. |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

9/20/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

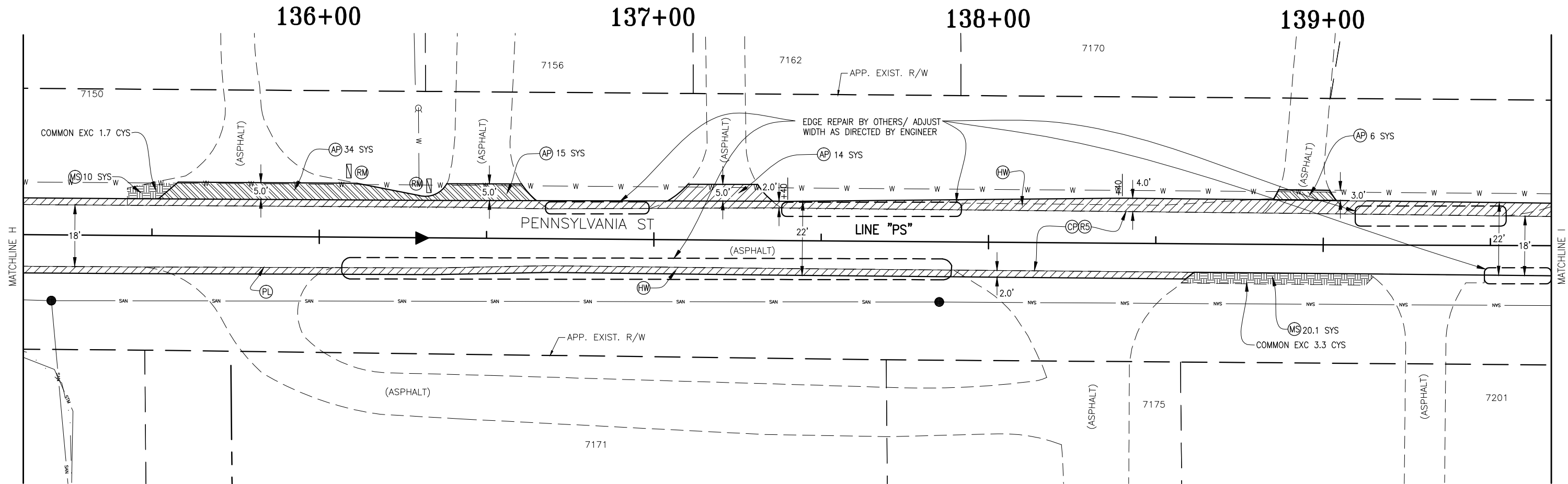
DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
12 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:52:01 pm LAYOUT: SHEET 9



GENERAL NOTES

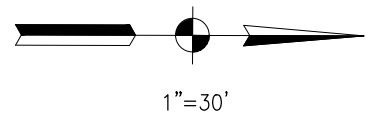
- Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
- See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ▶ Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (R5) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (DG) Special Ditch Grading | (Y) Line, Thermoplastic, Solid, Yellow, 4 in. |
| (GE) Geotextiles | (W2) Line, Thermoplastic, Solid, White, 6 in. |
| (RM) Remove and Reset Mailbox | |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

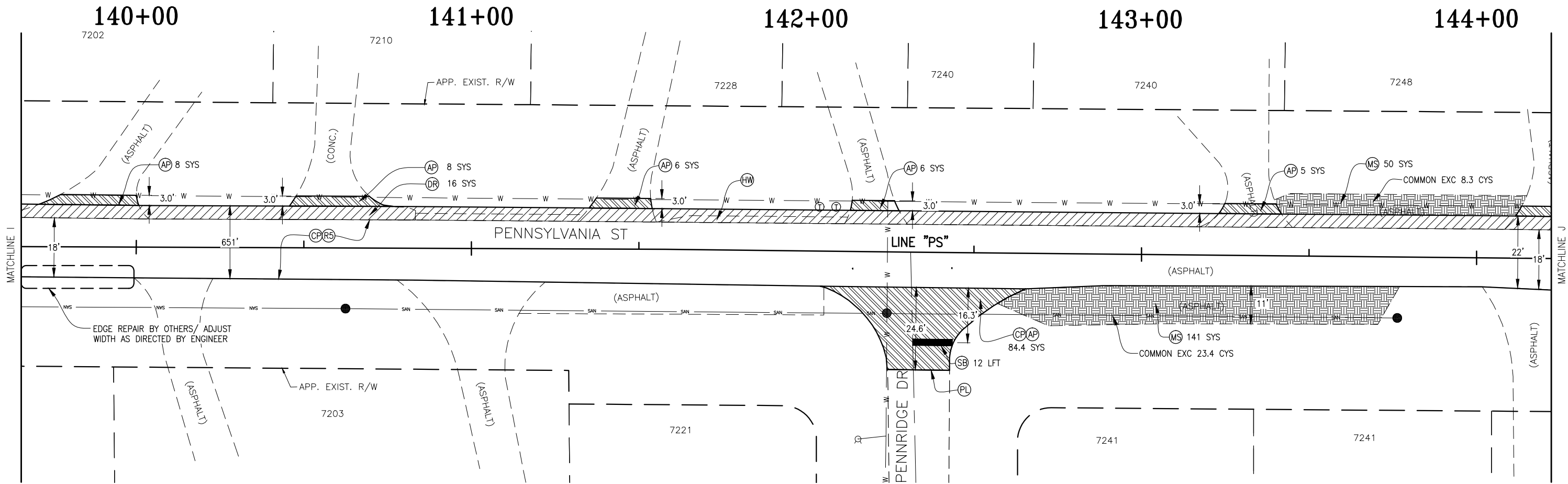
DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
13 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:52:44 pm LAYOUT: SHEET 10



GENERAL NOTES

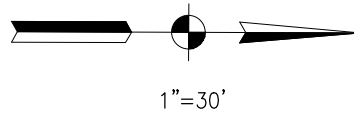
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ► Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (RS) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (DG) Special Ditch Grading | (DR) Drive Removal (All Types) |
| (GE) Geotextiles | |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

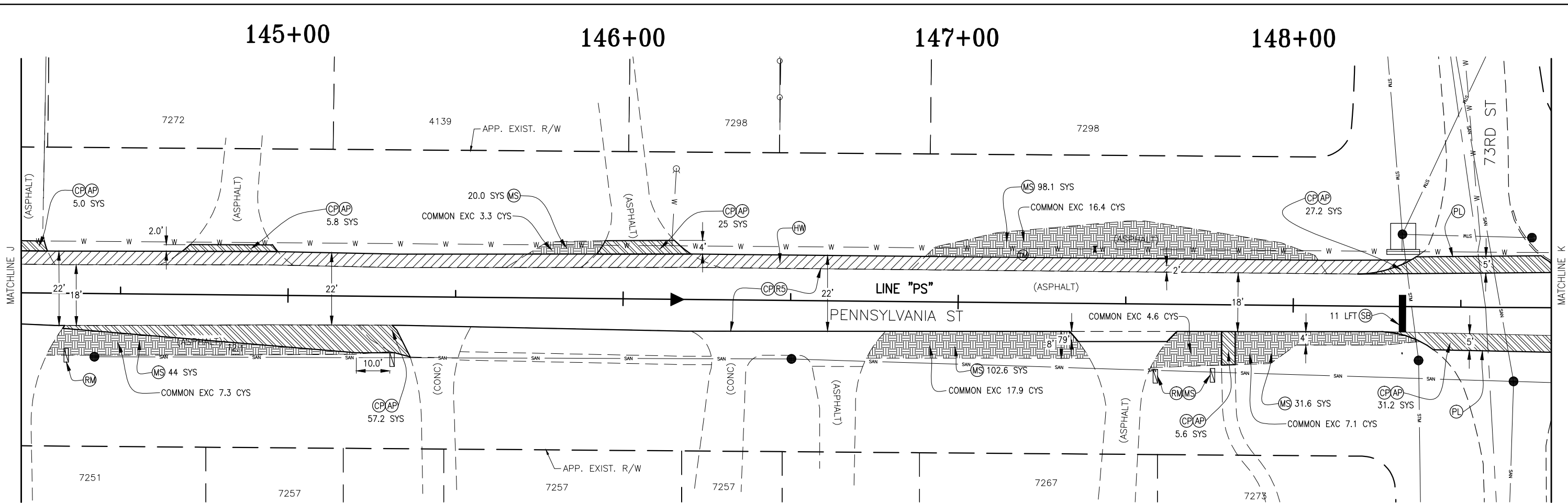
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
14 of 27
DATE
01/08/2014

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:53:02 pm LAYOUT: SHEET 11



GENERAL NOTES

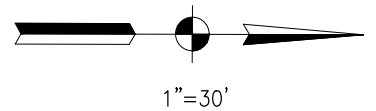
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ▶ Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (R5) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (SDG) Special Ditch Grading | (RM) Remove and Reset Mailbox |
| (GE) Geotextiles | |



CERTIFIED BY: <i>Ronald E. Webb</i>	1/08/14 DATE	JSE JANSSEN & SPAANS ENGINEERING 9120 Harrison Park Court Indianapolis, Indiana 46216 Business (317) 254-9686 Fax (317) 259-8262

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

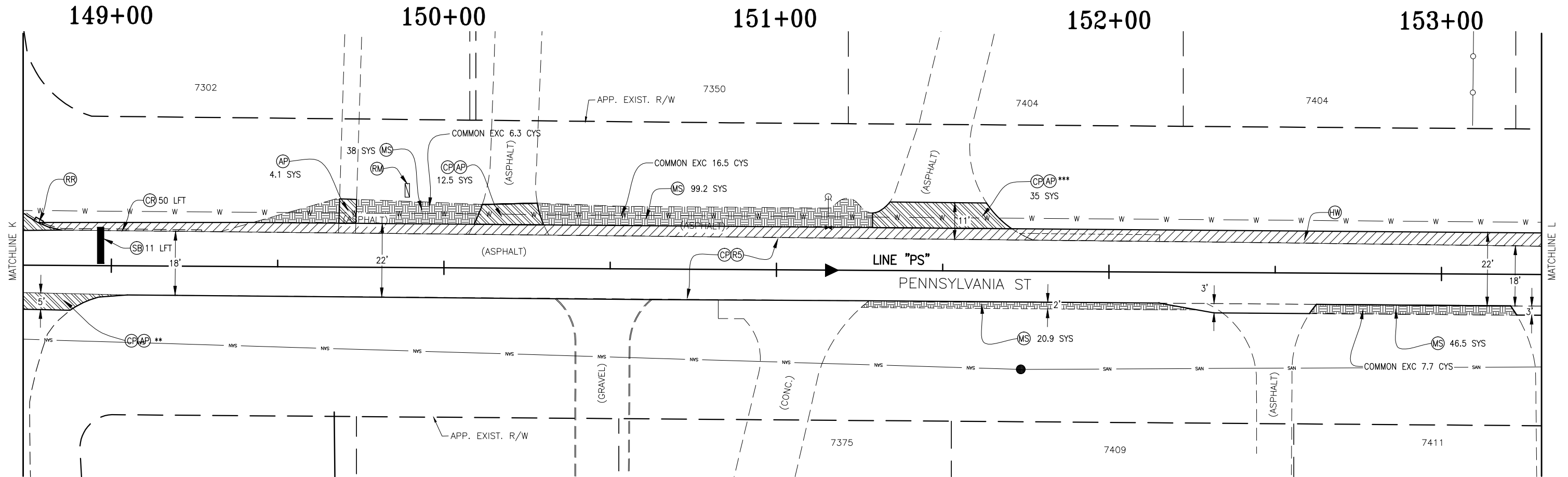
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
15 of 27
DATE
01/08/2014

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:53:25 pm LAYOUT: SHEET 12



GENERAL NOTES

1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

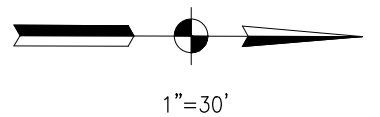
* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

*** Additional material required as directed by Engineer

LEGEND

- | | |
|---------------------------------|---|
| ▶ Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (RS) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (DG) Special Ditch Grading | (RM) Remove and Reset Mailbox |
| (GE) Geotextiles | (CR) Curb Removal |
| | (RR) Remove and Reset Casting |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

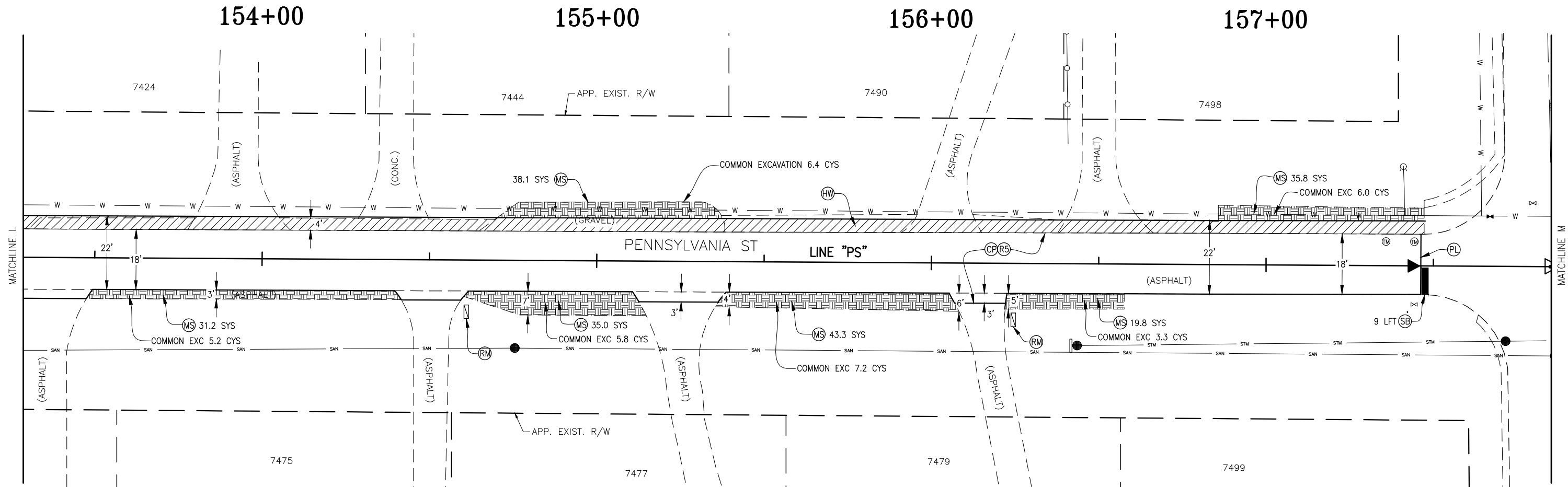
DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
16 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:53:43 pm LAYOUT: SHEET 13



GENERAL NOTES

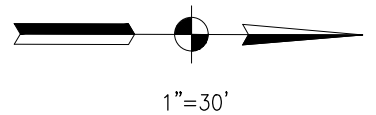
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ▶ Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (R5) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (DG) Special Ditch Grading | (Y) Line, Thermoplastic, Solid, Yellow, 4 in. |
| (GE) Geotextiles | (W2) Line, Thermoplastic, Solid, White, 6 in. |
| (RM) Remove and Reset Mailbox | |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

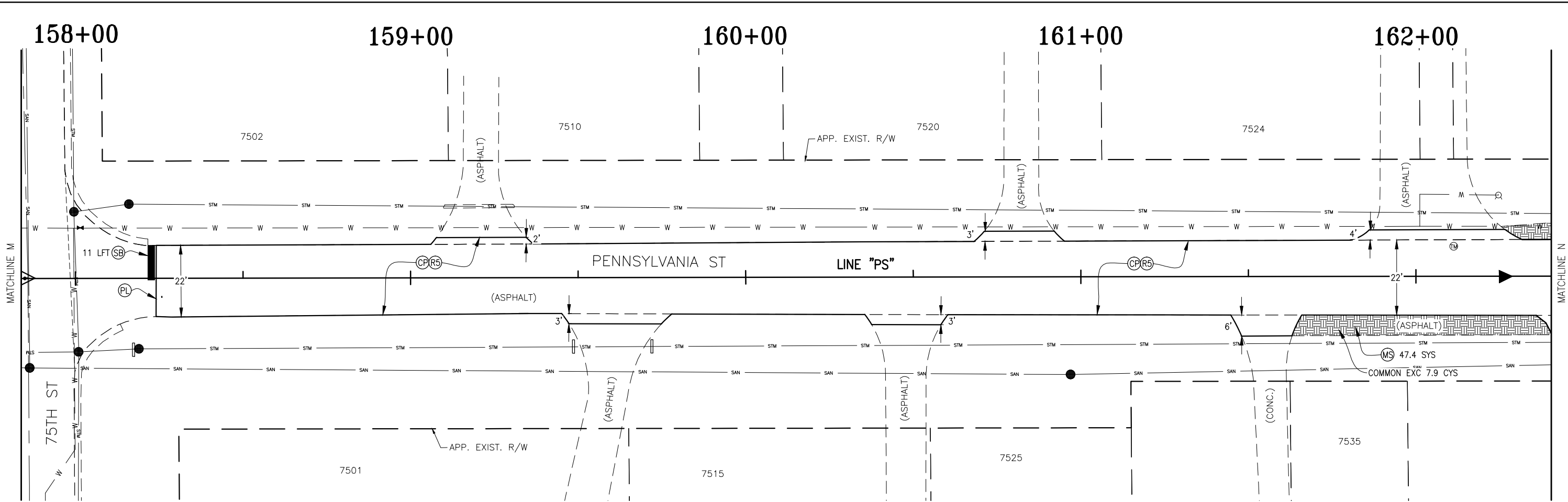
DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
17 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:53:59 pm LAYOUT: SHEET 14



GENERAL NOTES

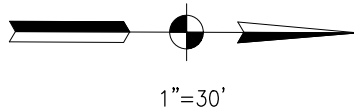
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ► Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (R5) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (DG) Special Ditch Grading | (Y) Line, Thermoplastic, Solid, Yellow, 4 in. |
| (GE) Geotextiles | (W2) Line, Thermoplastic, Solid, White, 6 in. |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

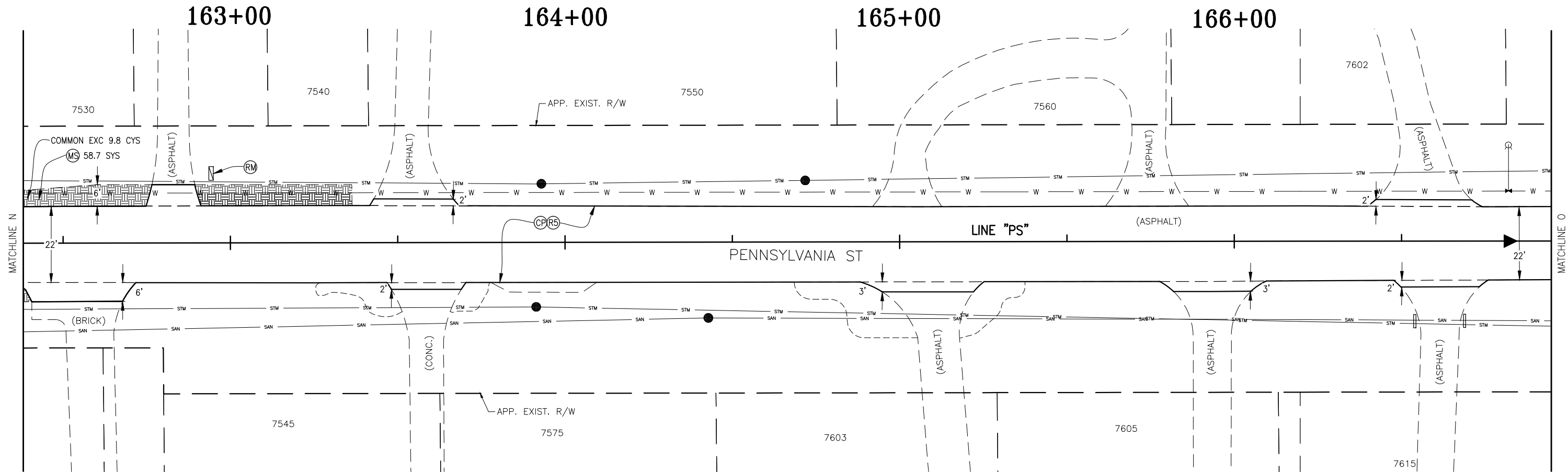
CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
18 of 27
DATE
01/08/2014

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:54:43 pm LAYOUT: SHEET 15



GENERAL NOTES

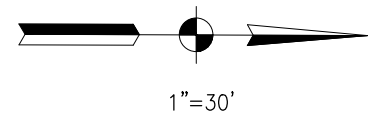
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ► Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (RS) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (DGS) Special Ditch Grading | (Y) Line, Thermoplastic, Solid, Yellow, 4 in. |
| (GE) Geotextiles | (W2) Line, Thermoplastic, Solid, White, 6 in. |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
19 of 27
DATE
01/08/2014

- * Level Area 50:1 Max. Cross Slope
- ** See previous sheets for quantities.

- | | |
|------------------------------|--|
| ▶ Blue RPM (Fire Hydrant) | Ⓟ Paving Limits |
| Ⓐ HMA For Approaches, Type B | Ⓡ 220#/SYD HMA, Type B, Surface |
| Ⓜ HMA For Widening | Ⓜ Mulched Seeding |
| Ⓓ Ditch Grading | Ⓡ RipRap |
| Ⓒ Bituminous Cold Planing | Ⓟ Line, Thermoplastic, White, Stop Bar, 24 in. |
| Ⓓ Special Ditch Grading | Ⓜ Remove and Reset Mailbox |
| Ⓔ Geotextiles | |

$$1'' = 30'$$

CERTIFIED BY: Ronald E. Webb
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

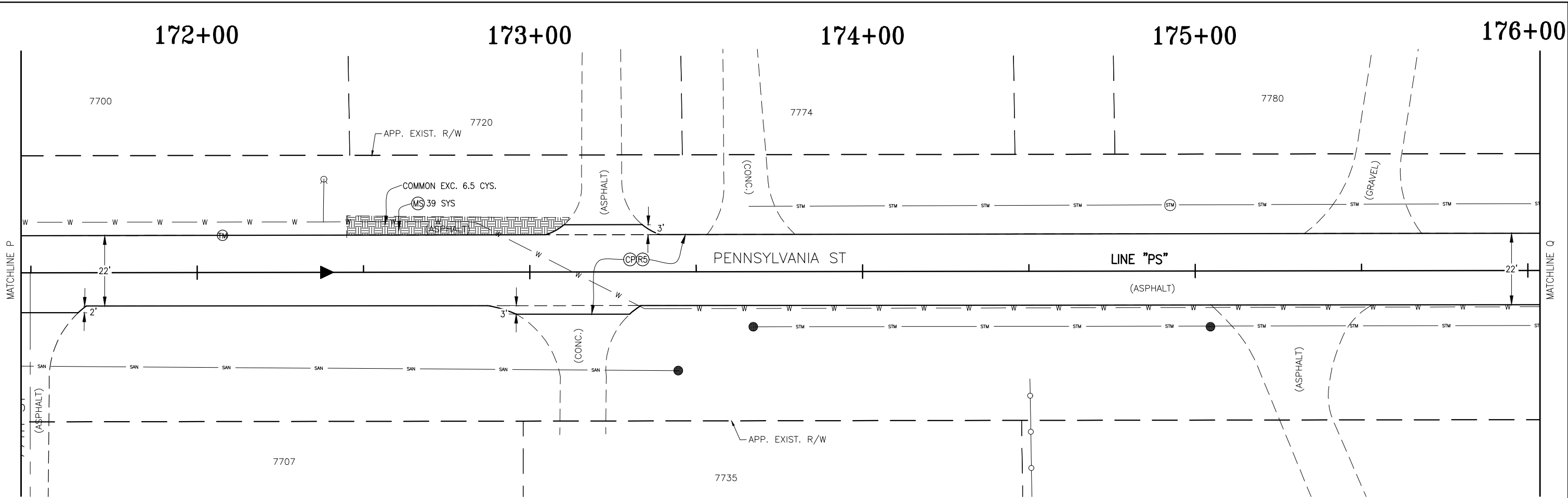
DRAWN: _____	BDF
CHECKED: _____	REW
DESIGNED: _____	REW
CHECKED: _____	PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

**CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.**

SCALE		
AS NOTED		
PROJECT NO.		
RS-12-601C		
SHEETS		
20	of	27
DATE		
01/08/2014		

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:55:16 pm LAYOUT: SHEET 17



GENERAL NOTES

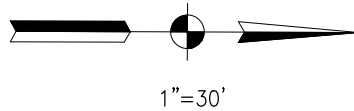
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ▶ Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (R5) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (SG) Special Ditch Grading | |
| (GE) Geotextiles | |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

DRAWN: BDF
CHECKED: REW

DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

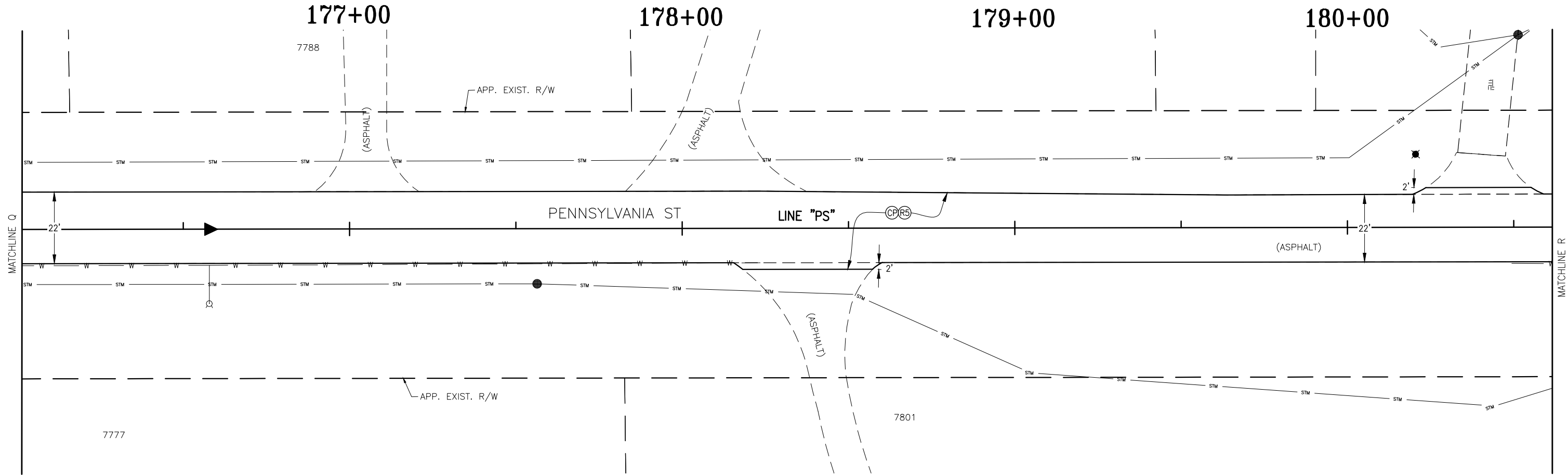
CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C

SHEETS
21 of 27
DATE
01/08/2014

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:55:30 pm LAYOUT: SHEET 18



GENERAL NOTES

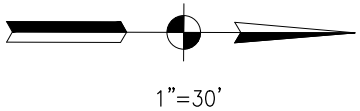
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.


* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities


LEGEND

- ▶ Blue RPM (Fire Hydrant)
- (AP) HMA For Approaches, Type B
- (HW) HMA For Widening
- (DG) Ditch Grading
- (CP) Bituminous Cold Planing
- (DG) Special Ditch Grading
- (GE) Geotextiles
- (PL) Paving Limits
- (RS) 220#/SYD HMA, Type B, Surface
- (MS) Mulched Seeding
- (RIP) RipRap
- (SB) Line, Thermoplastic, White, Stop Bar, 24 in.



CERTIFIED BY: 
RONALD E. WEBB

1/08/14
DATE


JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

DRAWN: BDF
CHECKED: REW

DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

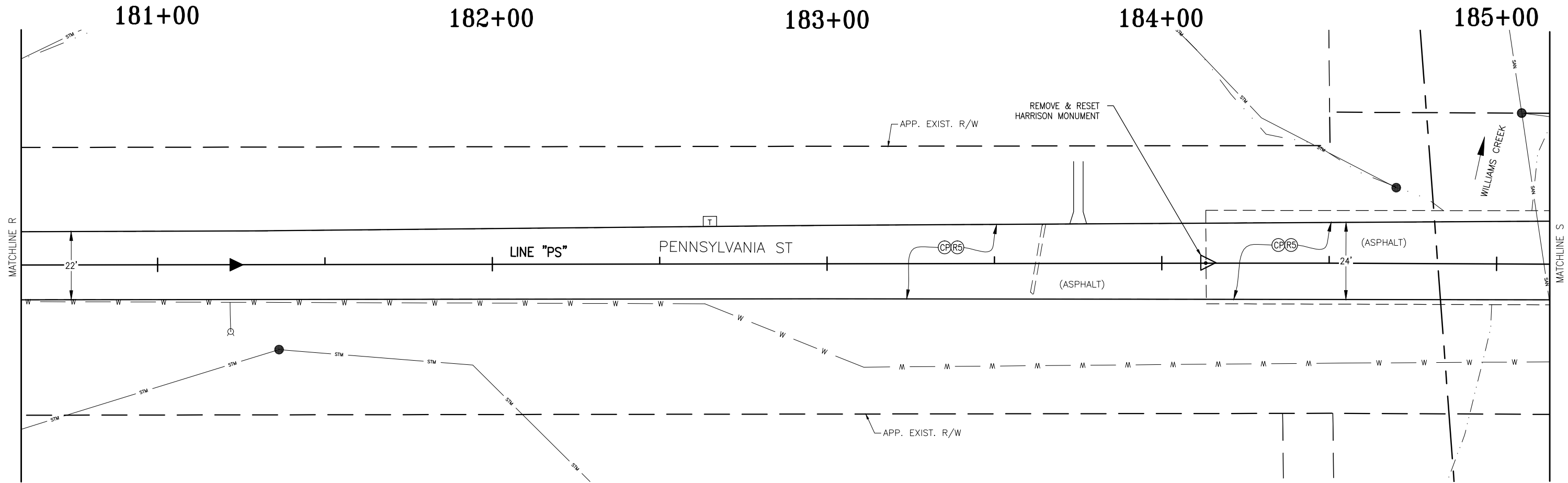
CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C

SHEETS
22 of 27
DATE
01/08/2014

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:55:48 pm LAYOUT: SHEET 19



GENERAL NOTES

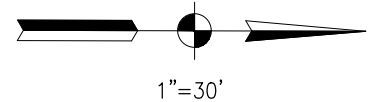
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ► Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (RS) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (DG) Special Ditch Grading | (Y) Line, Thermoplastic, Solid, Yellow, 4 in. |
| (GE) Geotextiles | (W2) Line, Thermoplastic, Solid, White, 6 in. |



CERTIFIED BY: <i>Ronald E. Webb</i>	DATE: 1/08/14	JSE JANSSEN & SPAANS ENGINEERING 9120 Harrison Park Court Indianapolis, Indiana 46216 Business (317) 254-9686 Fax (317) 259-8262
-------------------------------------	---------------	---

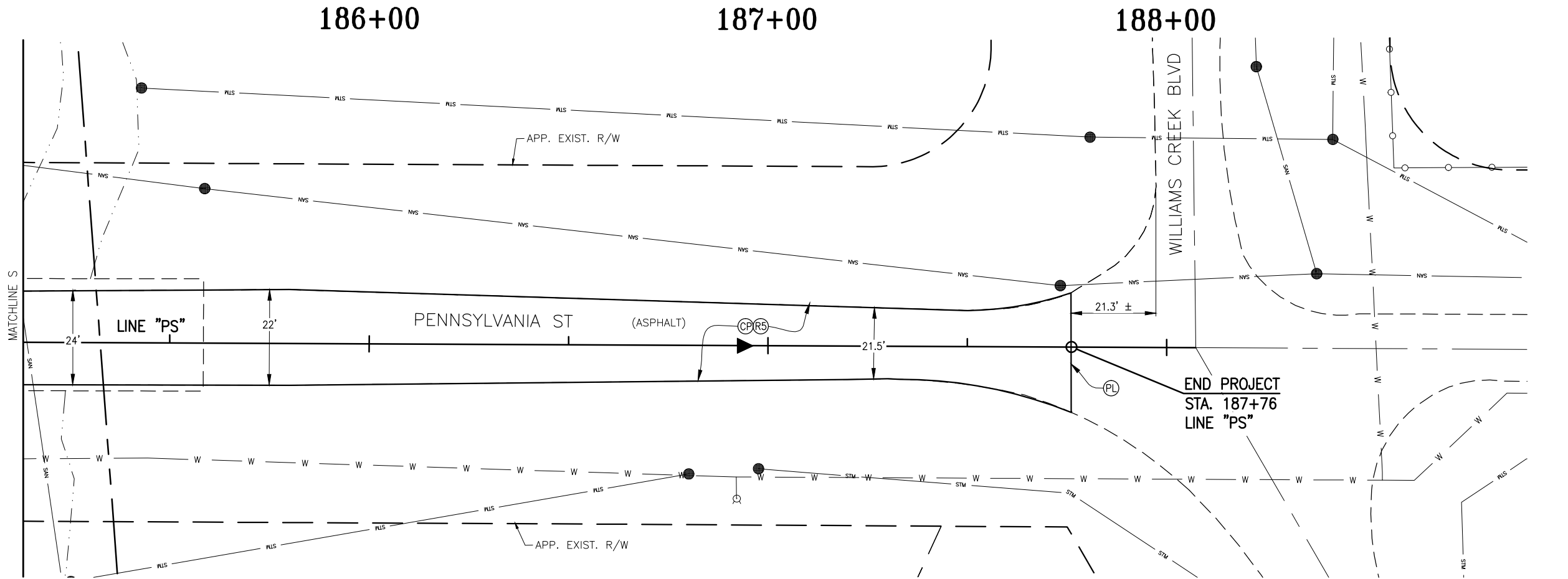
INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
23 of 27
DATE
01/08/2014

P:\998 - Indpls DPW Resurface\DRAWINGS\998-204\998-PENNSYLVANIA ST CD.dwg Feb 06, 2014-12:56:02 pm LAYOUT: SHEET 20



GENERAL NOTES

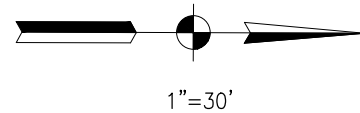
1. Station Ranges shown for Paving Limits are based on field measurements and may appear different than what the stationing of the centerline indicates.
2. See Typical Sections & Details for base repair detail.

* Level Area 50:1 Max. Cross Slope

** See previous sheets for quantities

LEGEND

- | | |
|---------------------------------|---|
| ▶ Blue RPM (Fire Hydrant) | (PL) Paving Limits |
| (AP) HMA For Approaches, Type B | (RS) 220#/SYD HMA, Type B, Surface |
| (HW) HMA For Widening | (MS) Mulched Seeding |
| (DG) Ditch Grading | (RIP) RipRap |
| (CP) Bituminous Cold Planing | (SB) Line, Thermoplastic, White, Stop Bar, 24 in. |
| (DGS) Special Ditch Grading | |
| (GE) Geotextiles | |



CERTIFIED BY: *Ronald E. Webb*
RONALD E. WEBB

1/08/14
DATE

JSE
JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

DRAWN: BDF
CHECKED: REW
DESIGNED: REW
CHECKED: PLK


CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION DETAILS
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.


SCALE
AS NOTED
PROJECT NO.
RS-12-601C
SHEETS
24 of 27
DATE
01/08/2014

	CURB REMOVAL (ALL TYPES)	REMOVE AND RESET CASTING TO GRADE	REMOVE AND RESET MAILBOX	HMA SURFACE, TYPE B	HMA BASE FOR WIDENING, TYPE B	HMA FOR APPROACHES, TYPE B	BITUMINOUS COLD PLANING UP TO 3-1/2"	MULCHED SEEDING	SNOWPLOWABLE RAISED PAVEMENT MARKER, TWO WAY BLUE	TRANSVERSE MARKING, THERMOPLASTI C, STOP LINE, 24 IN.	DRIVE REMOVAL (ALL TYPES)	GEOTEXTILE	RIPRAP, REVETMENT	REMOVE AND RESET HARRISON MONUMENT	EXCAVATION, COMMON
	LFT	EACH	EACH	TON	TON	TON	SYS	SYS	EACH	LFT	SYS	SYS	TON	EACH	CYS
Totals	214	1	24	2462	667	152	22532	2470	17	189	104	32	20	2	418

	CONCRETE PAVEMENT FOR DRIVEWAYS, 6 IN.	CONC, CURB TURNOUT	PAVED SIDE DITCH, TYPE A	PAVED SIDE DITCH, TYPE B	ROLLED CURB AND GUTTER	CONCRETE CURB AND GUTTER	CONCRETE CURB, 20"	TRANSVERSE MARKING, THERMOPLASTIC, WHITE, 6 IN.	LINE, THERMOPLASTIC, SOLID, YELLOW, 4 IN.	PIPE, TYPE 1 CIRCULAR, 18 IN CMP					
	SYS	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT	LFT					
Totals	59	25	82	35	412	113	46	263	306	4					

CERTIFIED BY: 
RONALD E. WEBB

1/08/14
DATE


JANSSEN & SPAANS ENGINEERING
9120 Harrison Park Court
Indianapolis, Indiana 46216
Business (317) 254-9686 Fax (317) 259-8262

DRAWN: BDF
CHECKED: REW

DESIGNED: REW
CHECKED: PLK

CITY OF INDIANAPOLIS DEPARTMENT OF PUBLIC WORKS

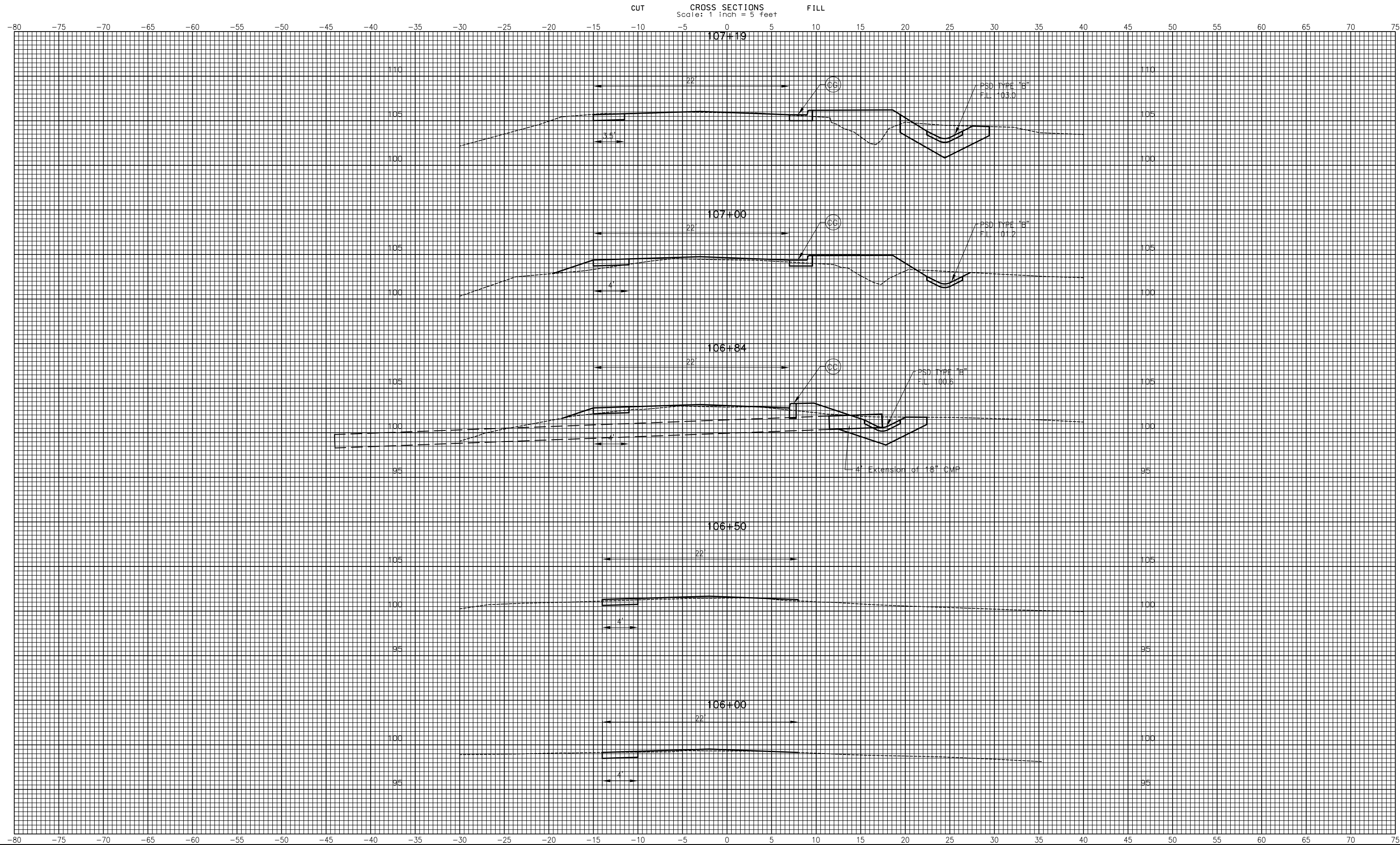
SUMMARY OF QUANTITIES
PENNSYLVANIA ST. FROM
ARDEN DR. TO WILLIAMS CREEK BLVD.

SCALE
AS NOTED
PROJECT NO.
RS-12-601C

SHEETS
25 of 27
DATE
01/08/2014

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2014
TO BE USED WITH THESE PLANS.

Last Saved By: Box
Date: 2/6/2014
Code: 1000000000
Drawing File: P:\1998 - Indpls DPW Resurfacing\DRAWINGS\98-204\98-204-CIVIL 3D\SLG-Sections\ACAD-98-204-PENNSYLVANIA-XS.dwg



RECOMMENDED
FOR APPROVAL: _____
DESIGN ENGINEER DATE

DESIGNED: _____ DRAWN: EJK

CHECKED: _____ CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PENNSYLVANIA STREET

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

FILE

DESIGNATION

SURVEY BOOK

SHEET

CONTRACT

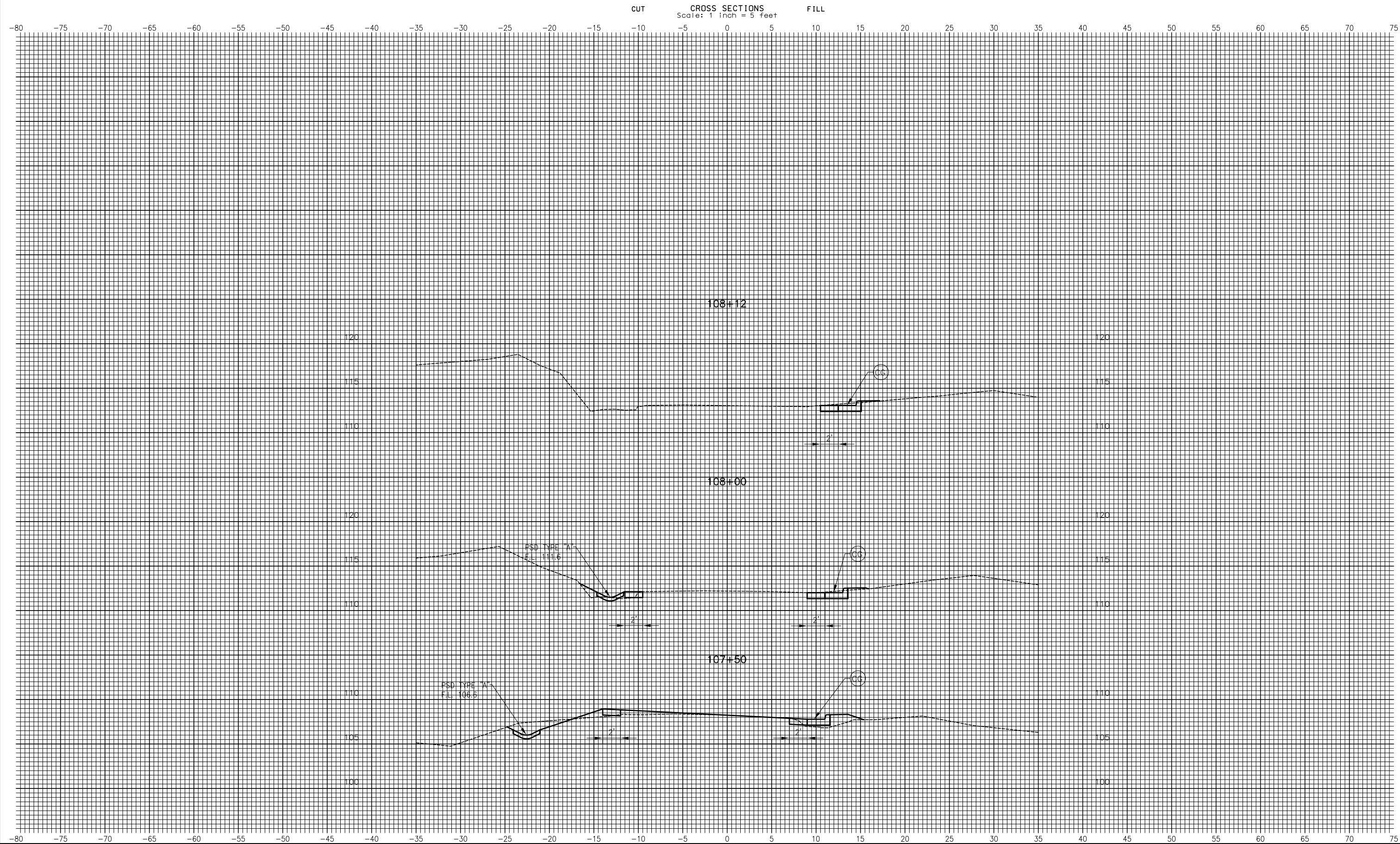
PROJECT

26

of

27

Last Saved By: Box
Date: 2/6/2014
Code: 1000000000
Drawing Title: PA 1008 - Indpls DPW Resurface\DRAWINGS\98-204\98-204-CIVIL 3D\SLG-Sections\ACAD-98-204-98-PENNSYLVANIA-XS.dwg



					RECOMMENDED FOR APPROVAL: _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1"=5'	FILE
					DESIGNED: _____ DRAWN: EJK		CROSS SECTIONS PENNSYLVANIA STREET		VERTICAL SCALE 1"=5'	DESIGNATION
					CHECKED: _____ CHECKED: _____				SURVEY BOOK	SHEET 27 of 27
									CONTRACT	PROJECT