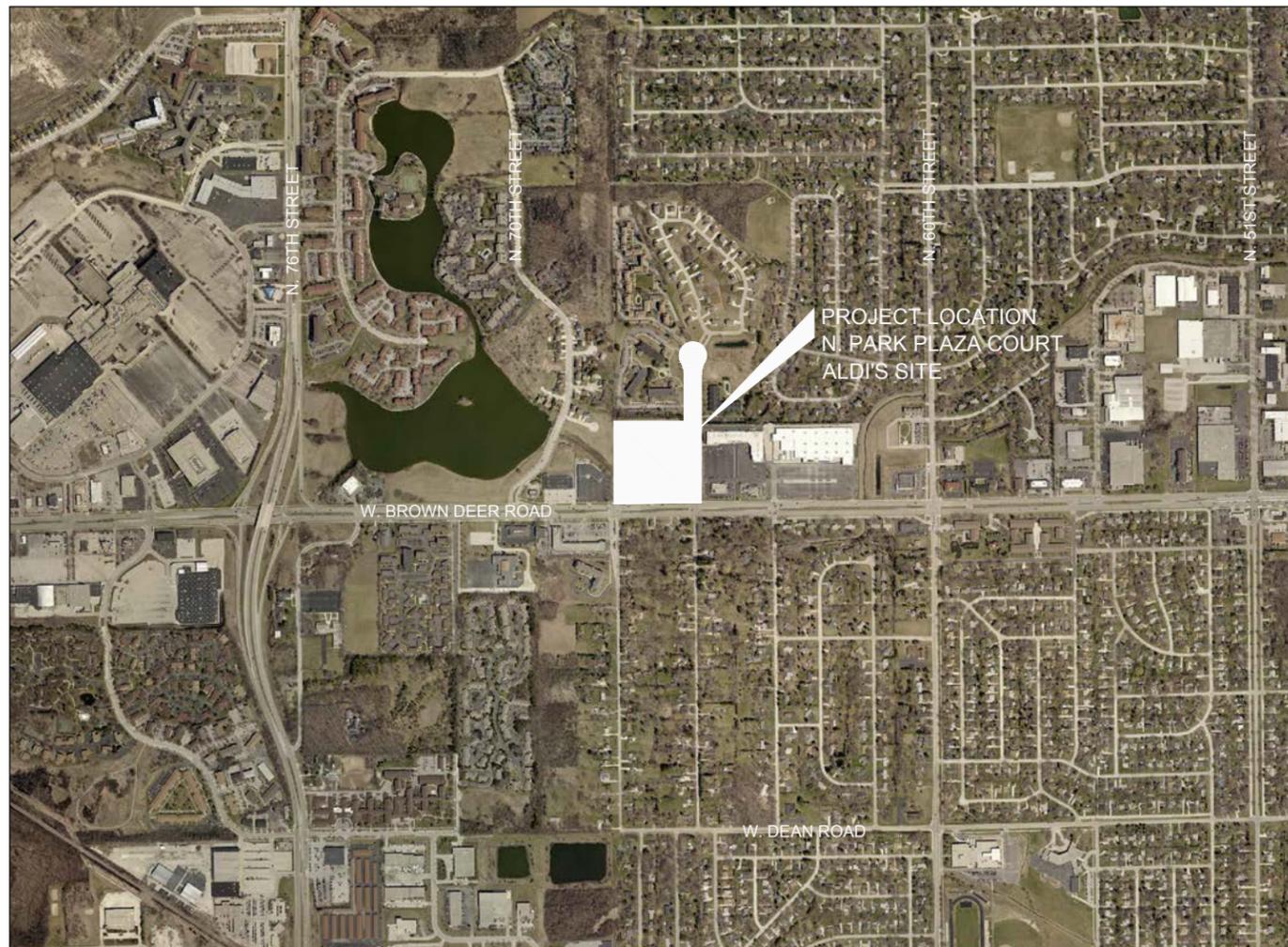


PARK PLAZA COURT RECONSTRUCTION ALDI INC SITE STORMWATER MANAGEMENT VILLAGE OF BROWN DEER FEB 2016



COUNTY MAP
NTS

MILWAUKEE
COUNTY



VILLAGE OF BROWN DEER



NORTH

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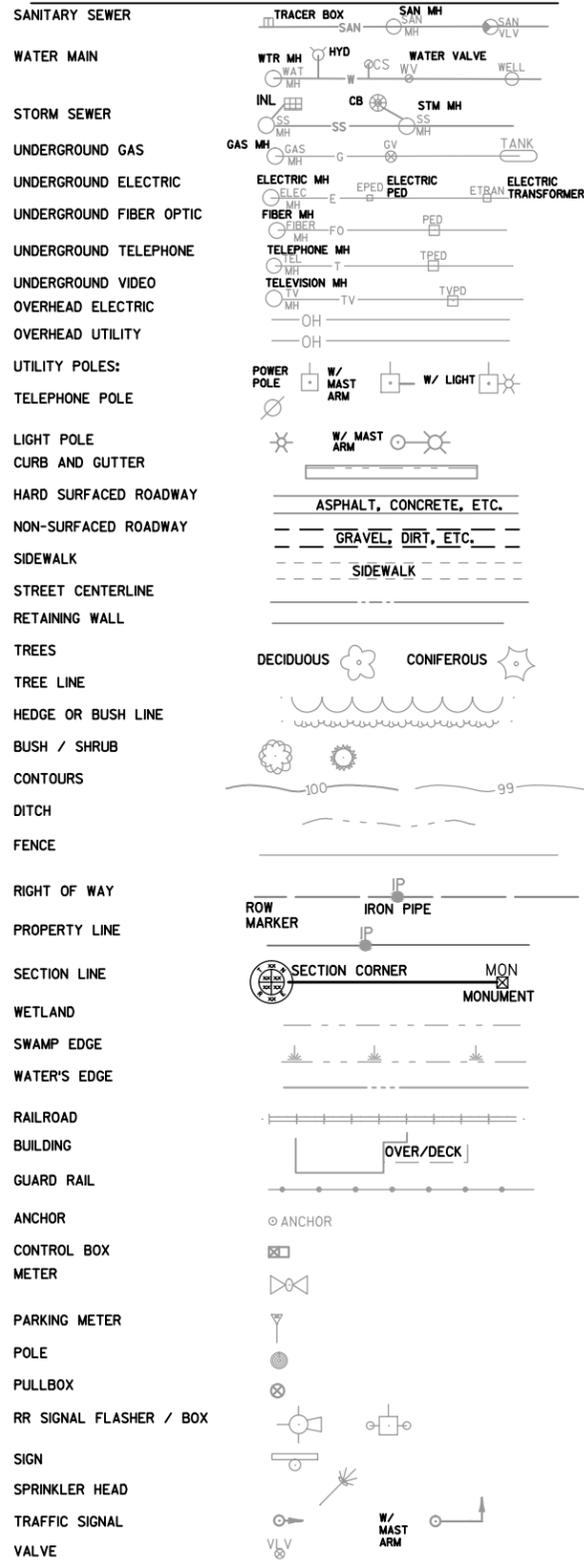
PARK PLAZA COURT RECONSTRUCTION
ALDI INC SITE STORMWATER MANAGEMENT
VILLAGE OF BROWN DEER



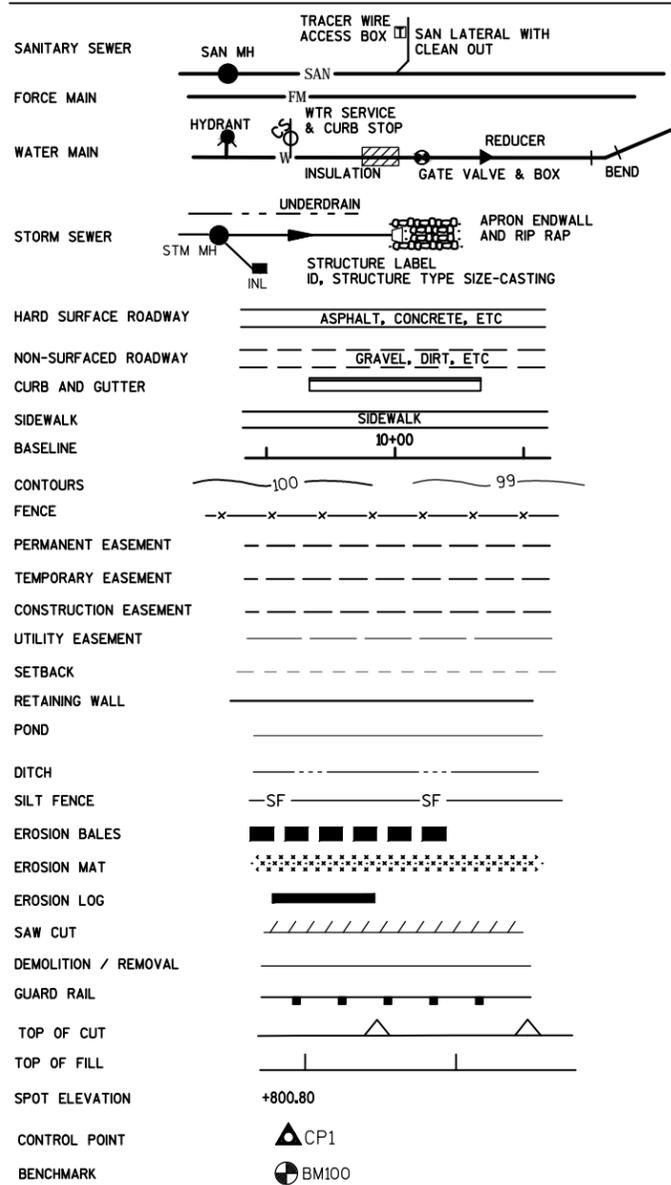
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SHEET NO
G-1

EXISTING



NEW



ABBREVIATIONS:

| | | | | |
|-----------------------------|---------------------------|-----------------------------|------------------------------|---------------------------------|
| AB ANCHOR BOLT | DEFL DEFLECTION | ID INSIDE DIAMETER | PC POINT OF CURVE | T&B TOP & BOTTOM |
| ABV ABOVE | DEG DEGREE | IF INSIDE FACE | PE PRIVATE ENTRANCE | TC TOP BACK OF CURB |
| ADJ ADJUST | DF DRINKING FOUNTAIN | IN INCHES | PED PEDESTAL | TELE TELEPHONE |
| AFF ABOVE FINISHED FLOOR | DI DUCTILE IRON | INCL INCLUDE | PERF PERFORATE | THK THICKNESS |
| AL ALUMINUM | DI DIA DIAMETER | INF INFLUENT | PI POINT OF INTERSECTION | THRU THROUGH |
| ALT ALTERNATE WITH | DIM DIMENSION | INL INLET | PKG PARKING | TP TELEPHONE POLE |
| ALT/ ALTERNATE | DISCH DISCHARGE | INSUL INSULATION | P PLATE | TYP TYPICAL |
| APPROX APPROXIMATE | DN DOWN | INT INTERIOR | PL PLACE | T/ TOP OF |
| ASPH ASPHALT | DP DEPTH | INV INVERT | PL R PROPERTY LINE | UG UNDERGROUND GAS |
| AUTO AUTOMATIC | DR DOOR | IP IRON PIPE | PP POWER POLE | UE UNDERGROUND ELECTRICAL |
| AVE AVENUE | DTL DETAIL | IPS IRON PIPE SIZE | PSF POUNDS PER SQUARE FOOT | UNEXC UNEXCAVATED |
| @ AT | DW DRIVEWAY | AT AT | PSI POUNDS PER SQUARE INCH | UNO UNLESS NOTED OTHERWISE |
| B CRS BASE COURSE | DWG DRAWING | BT BACK OF CURB | PT POINT OF TANGENCY | USH UNITED STATES HIGHWAY |
| BC BOARD | E EAST | BD BOARD | PV PLUG VALVE | UT UNDERGROUND TELEPHONE |
| BEL BELOW | EA EACH | BE BELOW | PVMT PAVEMENT | UV UNDERGROUND VIDEO |
| BETWN BETWEEN | EAF EACH FACE | BF BACK FACE | PW POTABLE WATER | V VALVE |
| BFV BUTTERFLY VALVE | EFF EFFLUENT | BIT BITUMINOUS | % PERCENT | V&B VALVE & BOX |
| BLD BUILDING | EJ EXPANSION JOINT | BLD BLIND | QTY QUANTITY | VAR VARIABLE |
| BLDG BUILDING | EL ELEVATION JOINT | BLDG BLIND | RAD RADIUS | VER VERTICAL |
| BLK BLOCK | ELB ELBOW | BLDG BUILDING | RCP REINFORCED CONCRETE PIPE | VC VERTICAL CURVE |
| BLKG BLOCKING | ELEC ELECTRICAL | BLK BLOCK | RD ROAD | W WEST |
| BLVD BOULEVARD | EQ EQUAL | BLKG BLOCKING | RD ROOF DRAIN | W/ WITH |
| BM BENCHMARK | EQUIP EQUIPMENT | BLVD BOULEVARD | RDWY ROADWAY | W/O WITHOUT |
| BO BREAKOFF | ER END OF RADIUS | BM BENCHMARK | RED REDUCER | WD WIDTH |
| BRG BEARING | EST ESTIMATE | BO BREAKOFF | REF REFERENCE | WM WATER MAIN |
| BRK BRICK | EW EACH WAY | BRG BEARING | REINF REINFORCING | WS WATER SURFACE |
| BS BACK OF SIDEWALK | EWC ELECTRIC WATER COOLER | BRK BRICK | REM REMOVE | WTR WATER TREATMENT PLANT |
| BTM BOTTOM | EX EXISTING | BS BACK OF SIDEWALK | REPL REPLACE | WATER WATER |
| BV BALL VALVE | EXH EXHAUST | BTM BOTTOM | REQD REQUIRED | WFF WELDED WIRE FABRIC |
| B BASELINE | EXP EXPANSION | BV BALL VALVE | REV REVISED | WWM WOVEN WIRE MESH |
| B/ BOTTOM OF | EXT EXTERIOR | B BASELINE | RM ROOM | WWTP WASTEWATER TREATMENT PLANT |
| C&G CURB AND GUTTER | FD FLOOR DRAIN | B/ BOTTOM OF | RR RAILROAD | |
| CB CATCH BASIN | FDN FOUNDATION | CB CATCH BASIN | RT RIGHT | |
| CF CUBIC FOOT | FERT FERTILIZER | CF CUBIC FOOT | RW RIGHT OF WAY | |
| CHKD P CHECKERED PLATE | F-F FACE TO FACE | CHKD P CHECKERED PLATE | S SOUTH | |
| CI CAST IRON | FGL FIBERGLASS | CI CAST IRON | SAN SANITARY | |
| CJ CONTROL JOINT | FIN FINISHED | CJ CONTROL JOINT | NOT IN CONTRACT | |
| CL CENTERLINE | FL FLOWLINE | CL CENTERLINE | NO NUMBER | |
| CHL CHLORINE | FLG FLANGED | CHL CHLORINE | NOM NOMINAL | |
| CLG CEILING | FLR FLOOR | CLG CEILING | NPW NON-POTABLE WATER | |
| CLR CLEAR | FM FORCE MAIN | CLR CLEAR | NTS NOT TO SCALE | |
| CMP CORRUGATED METAL PIPE | FT FOOT | CMP CORRUGATED METAL PIPE | OC ON CENTER | |
| CMU CONCRETE MASONRY UNIT | FTG FOOTING | CMU CONCRETE MASONRY UNIT | OD OUTSIDE DIAMETER | |
| CO CLEANOUT | FUT FUTURE | CO CLEANOUT | OE OVERHEAD ELECTRIC | |
| CONC CONCRETE | G GAS | CONC CONCRETE | OF OUTSIDE FACE | |
| CONN CONNECTION | GA GAGE | CONN CONNECTION | OH OVERHEAD | |
| CONST CONSTRUCTION | GAR GARAGE | CONST CONSTRUCTION | OPG OPENING | |
| CONST JT CONSTRUCTION JOINT | GEN GENERAL | CONST JT CONSTRUCTION JOINT | OT OVERHEAD TELEPHONE | |
| CONT CONTINUOUS | GRD GRADE, GROUND | CONT CONTINUOUS | | |
| CONTR CONTRACTOR | GV GATE VALVE | CONTR CONTRACTOR | | |
| CONTR JT CONTRACTION JOINT | GRAV GRAVEL | CONTR JT CONTRACTION JOINT | | |
| COR CORNER | GW GROUNDWATER | COR CORNER | | |
| CP CONTROL POINT | HB HOSE BIB | CP CONTROL POINT | | |
| CPLG COUPLING | HM HOLLOW METAL | CPLG COUPLING | | |
| CRS COURSE | HORZ HORIZONTAL | CRS COURSE | | |
| CSP CORRUGATED STEEL PIPE | HSE HOUSE | CSP CORRUGATED STEEL PIPE | | |
| CTG CASTING | HT HEIGHT | CTG CASTING | | |
| CTH COUNTY TRUNK HIGHWAY | HW HOT WATER | CTH COUNTY TRUNK HIGHWAY | | |
| CULV CULVERT | HWR HOT WATER RETURN | CULV CULVERT | | |
| CV CHECK VALVE | HYD HYDRANT | CV CHECK VALVE | | |
| CW COLD WATER | | CW COLD WATER | | |
| CY CUBIC YARD | | CY CUBIC YARD | | |

PROJECT CONTACT INFORMATION:

| | | | |
|--|---|---|---|
| VILLAGE OF BROWN DEER: MATTHEW MAEDERER DIRECTOR OF PUBLIC WORKS 8717 N 43rd ST BROWN DEER, WI 53223 414-357-0120 MMAEDERER@BROWNDEERWI.ORG | WE-ENERGIES GAS & ELECTRIC DAN SANDE MANAGER - GAS & ELECTRIC POLICY 500 S 116TH ST WEST ALLIS, WI 53214 414-221-4578 DAN.SANDE@WE-ENERGIES.COM | AT&T JAY BULANEK AT&T WISCONSIN OUTSIDE PLANT ENGINEER 2005 PEWAUKEE ROAD WAUKESHA, WI 53188 262-896-7669 414-491-2855 JB5175@ATT.COM | AYRES ASSOCIATES: KRISTINE ANDERSON, P.E. N17 W24222 RIVERWOOD DR, SUITE 310 WAUKESHA, WI 53188 262-522-4901 |
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| NATE PIOTROWSKI COMMUNITY DEVELOPMENT DIRECTOR 4800 W GREEN BROOK DR BROWN DEER, WI 53223 414-371-3061 NPIOTROWSKI@BROWNDEERWI.ORG | WE-ENERGIES GAS PATRICIA FINN 500 S. 116TH STREET WEST ALLIS, WI 53214 414-944-5760 PATRICIA.FINN@WE-ENERGIES.COM | WISDOT SIGNALS: ELECTRICAL FIELD UNIT (EFU) 414-266-1170 SIGNAL OPERATIONS 414-750-2605 | |
| TOM NENNIG WATER DEPARTMENT MANAGER 4800 W GREEN BROOK DR BROWN DEER, WI 53223 TNENNIG@BROWNDEERWI.ORG 414-371-3081 | TIME WARNER CABLE STEVE CRAMER CONSTRUCTION SUPERVISOR 1320 N DR MARTIN LUTHER KING JR. DR MILWAUKEE, WI 53212 414-277-4045 STEVE.CRAMER@TWCABLE.COM | | |

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| DR BY | JWS | PROJ NO | 24-0266.12 | | | | |
| CHK BY | KA | DATE | FEB 2016 | NO | DATE | REVISION | |

**PARK PLAZA COURT RECONSTRUCTION
ALDI INC SITE STORMWATER MANAGEMENT
VILLAGE OF BROWN DEER**



GENERAL SYMBOLS AND ABBREVIATIONS

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF BROWN DEER AT LEAST 2 DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
2. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION UNTIL THE SITE IS STABILIZED BY VEGETATION OR OTHER APPROVED MEANS.
3. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE AS TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
4. DITCH CHECKS SHALL BE PLACED WHERE SHOWN IN EXISTING DITCHES PRIOR TO CONSTRUCTION AND IMMEDIATELY FOLLOWING GRADING OF NEW DITCHES OR INSTALLATION OF NEW OUTFALLS.
5. OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THENEXT WORK DAY. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES, INCLUDING SOIL TRACKED BY CONSTRUCTION TRAFFIC, SHALL AT A MINIMUM, BE CLEANED BY THE END OF EACH WORK DAY. EXCESSIVE AMOUNTS OF SEDIMENT OR DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS SHALL BE CLEANED FROM ADJACENT STREETS BY THE USE OF MECHANICAL OR MANUAL SWEEPING OPERATIONS ONCE A WEEK AT A MINIMUM AND BEFORE IMMINENT RAIN EVENTS.
6. ALL SEDIMENT LADEN WATER PUMPED FROM THE SITE SHALL BE TREATED BY A TEMPORARY SEDIMENT BASIN OR BEFILTERED BY OTHER APPROVED MEANS. WATER SHALL NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR RECEIVING CHANNELS.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREA, INCLUDING SOIL STOCKPILES LEFT INACTIVE FORMORE THAN 10 DAYS, SHALL AT A MINIMUM BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER METHODS APPROVED BY THE ENGINEER. SILT FENCE SHALL BE PLACED AROUND ALL SOIL STOCK PILES.
8. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF THE WORK DAY.
9. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5-INCHES OR MORE AND MAKE NEEDED REPAIRS. RECORD INSPECTIONS AS SPECIFIED.
10. DRAWINGS SHOW GENERAL LOCATION OF EROSION CONTROL DEVICES AND SIGNS. ACTUAL LOCATIONS MAY VARY AS DETERMINED BY ENGINEER IN THE FIELD.

GENERAL PROJECT NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING PROPERTY IRONS. PROPERTY IRONS REMOVED OR DISTURBED DURING CONSTRUCTION SHALL BE RE-ESTABLISHED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
2. SALVAGE EXISTING CASTINGS TO BE RE-INSTALLED.
3. CONTRACTOR SHALL NOT OPERATE CONSTRUCTION EQUIPMENT OUTSIDE OF CONSTRUCTION EASEMENTS OR VILLAGE RIGHT-OF-WAY WITHOUT WRITTEN APPROVAL FROM ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING ASPHALT ON STREETS OUTSIDE OF PROPOSED SAW CUTS. ANY DAMAGE DURING CONSTRUCTION UNDER THIS CONTRACT SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
5. ASPHALT OR CONCRETE ROADWAY AND DRIVEWAYS AND CONCRETE CURB & GUTTER SHALL BE SAW CUT PRIOR TO RESTORATION.
6. EXISTING STREET MATERIALS AND THEIR THICKNESS MAY VARY. ALL COST ASSOCIATED WITH REMOVAL OF EXISTING STREET MATERIAL SHALL BE PAID FOR UNDER ROADWAY REMOVALS.
7. CONTRACTOR SHALL PROVIDE RUNOFF BARRIERS PRIOR TO RAIN EVENTS TO PREVENT ROADWAY WASH OUT. INLET PROTECTION SHALL BE PLACED AT ALL INLETS THAT WILL RECEIVE RUNOFF FROM DISTURBED AREAS.
8. LOCATION OF EXISTING UTILITIES MAY VARY FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES TO AVOID POTENTIAL CONFLICTS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES AND APPURTENANCES NOT SHOWN TO BE REPLACED. TEMPORARY REMOVAL AND ANY DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
10. INSTALL INLET PROTECTION AND OTHER EROSION CONTROL PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
11. WORK ITEMS SHOWN SHALL BE INCIDENTAL TO CONTRACT OTHERWISE INCLUDED IN THE BID FORM.

HORIZONTAL CONTROL

| ALL HORIZONTAL CONTROL IS BASED ON THE U.S. STATE PLANE COORDINATE SYSTEM, WI SOUTH ZONE, NAD27 | | | | |
|---|-----------|-----------|------------|---------------------|
| CONTROL POINT | ELEVATION | NORTH | EAST | DESCRIPTION |
| 1 | 97.79 | 435762.19 | 2535517.01 | CHISELED "X" |
| 2 | 98.76 | 436151.38 | 2535516.83 | CHISELED "T" |
| 3 | 96.50 | 436408.30 | 2535521.32 | CHISELED "T" |
| 4 | 101.98 | 437031.65 | 2535571.48 | 3/4" REBAR WITH CAP |
| 5 | 96.69 | 436409.07 | 2535589.95 | 3/4" REBAR WITH CAP |
| 6 | 93.14 | 436374.32 | 2535936.42 | PK NAIL |

VERTICAL CONTROL

| ALL VERTICAL CONTROL IS BASED ON THE VILLAGE OF BROWN DEER DATUM, OBTAINED BY SUBTRACTING 580.60 FROM NGVD 29 ELEVATIONS PER SEWRPC TIE SHEETS | | | | |
|--|-----------|-----------|------------|---------------------------|
| BENCHMARK | ELEVATION | NORTH | EAST | DESCRIPTION |
| 1176 | 100.09 | 436188.00 | 2535643.00 | N. FLANGE BOLT ON HYDRANT |

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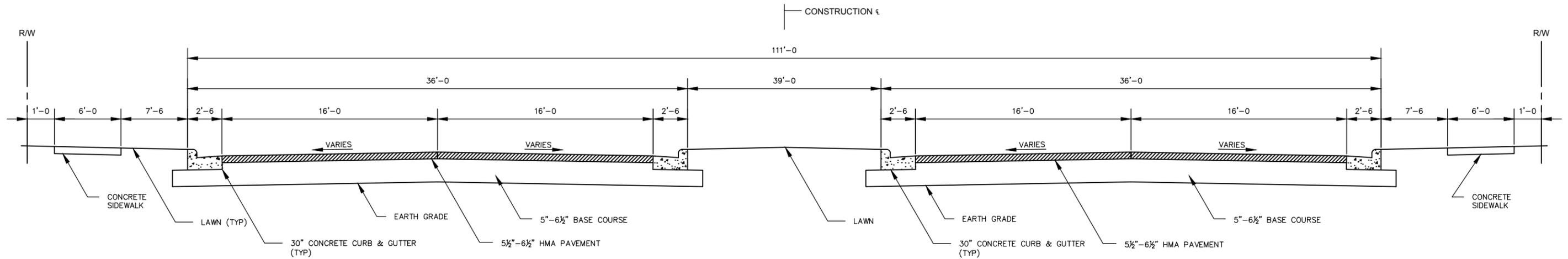
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| CHK BY | KA | DATE | FEB 2016 | NO | DATE | | REVISION | NO | DATE |
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**PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER**

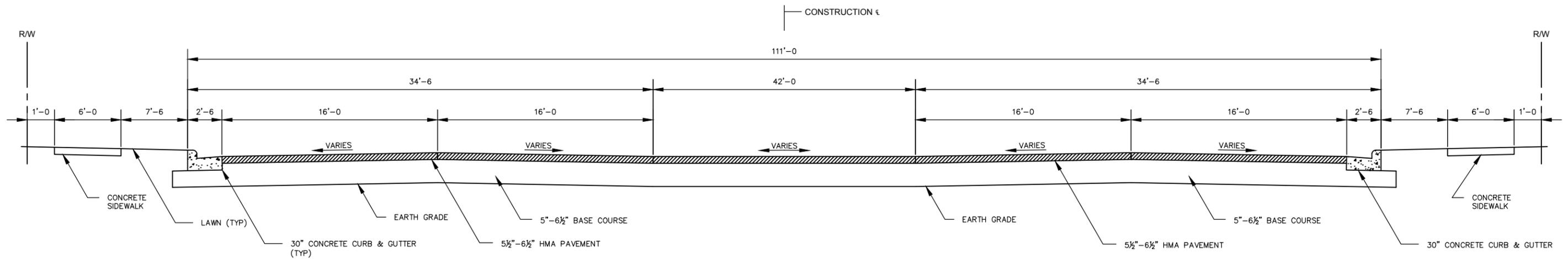


GENERAL PROJECT AND EROSION CONTROL NOTES

SHEET NO
G-3



TYPICAL EXISTING SECTION FOR
PARK PLAZA COURT W/ MEDIATEAN
STA 10+60 TO 17+10



TYPICAL EXISTING SECTION FOR
PARK PLAZA COURT W/O MEDIATEAN
STA 10+60 TO 17+10

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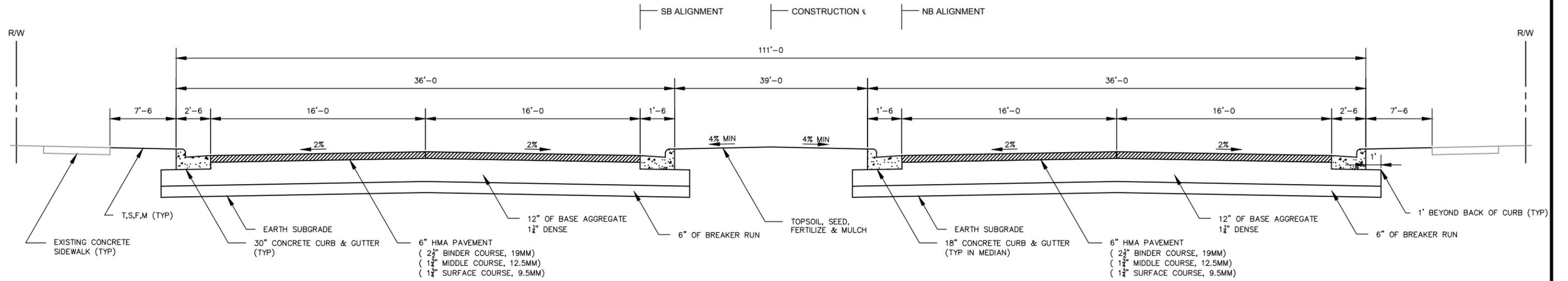
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ALDI INC SITE STORMWATER MANAGEMENT
VILLAGE OF BROWN DEER

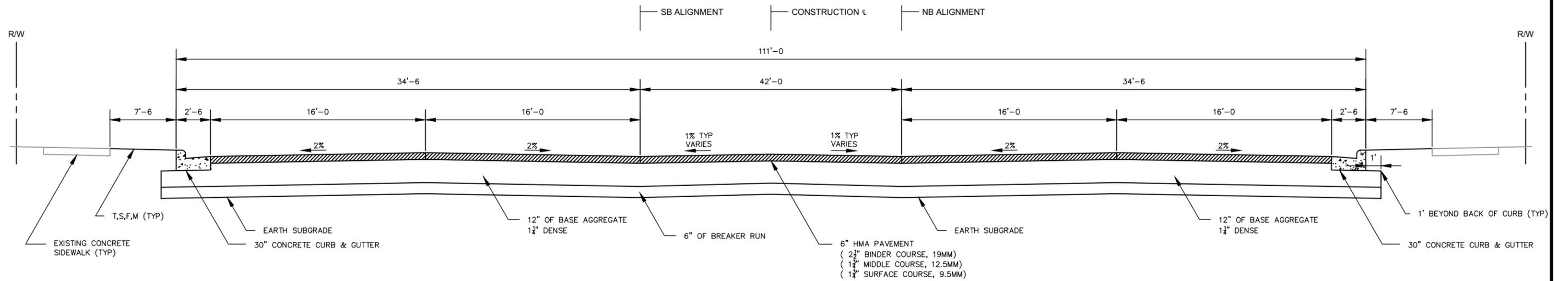


EXISTING TYPICAL SECTIONS

SHEET NO
G-4



TYPICAL FINISHED SECTION FOR
PARK PLAZA COURT W/ MEDIAN
STA 10+60 TO 17+10



TYPICAL FINISHED SECTION FOR
PARK PLAZA COURT W/O MEDIAN
STA 10+60 TO 17+10

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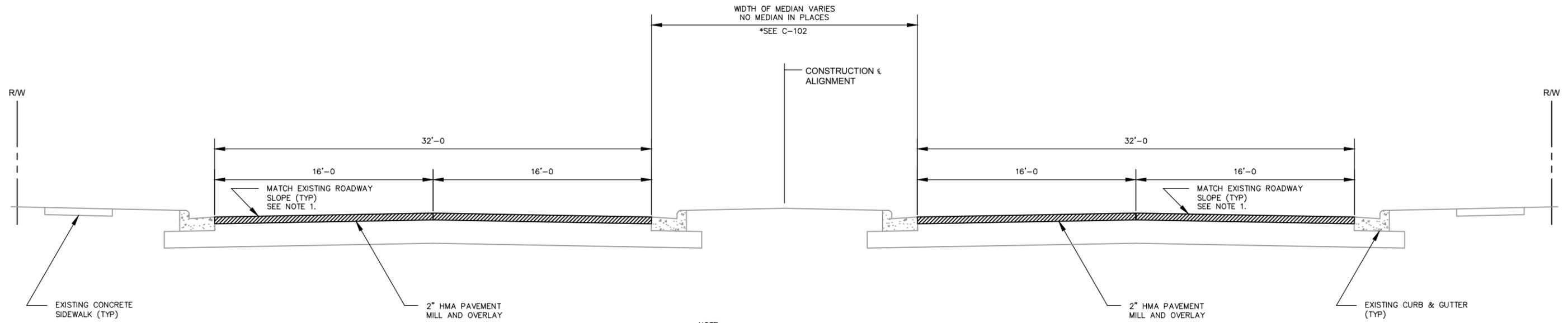
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PARK PLAZA COURT RECONSTRUCTION
ALDI INC SITE STORMWATER MANAGEMENT



PROPOSED TYPICAL SECTIONS

SHEET NO
G-5



NOTE
 1. DETERMINE EXISTING SLOPE AND MATCH.
 PROVIDE STAKING IF NECESSARY

TYPICAL FINISHED SECTION FOR
 PARK PLAZA COURT
 MILL AND OVERLAY
 STA 17+10 TO 23+41

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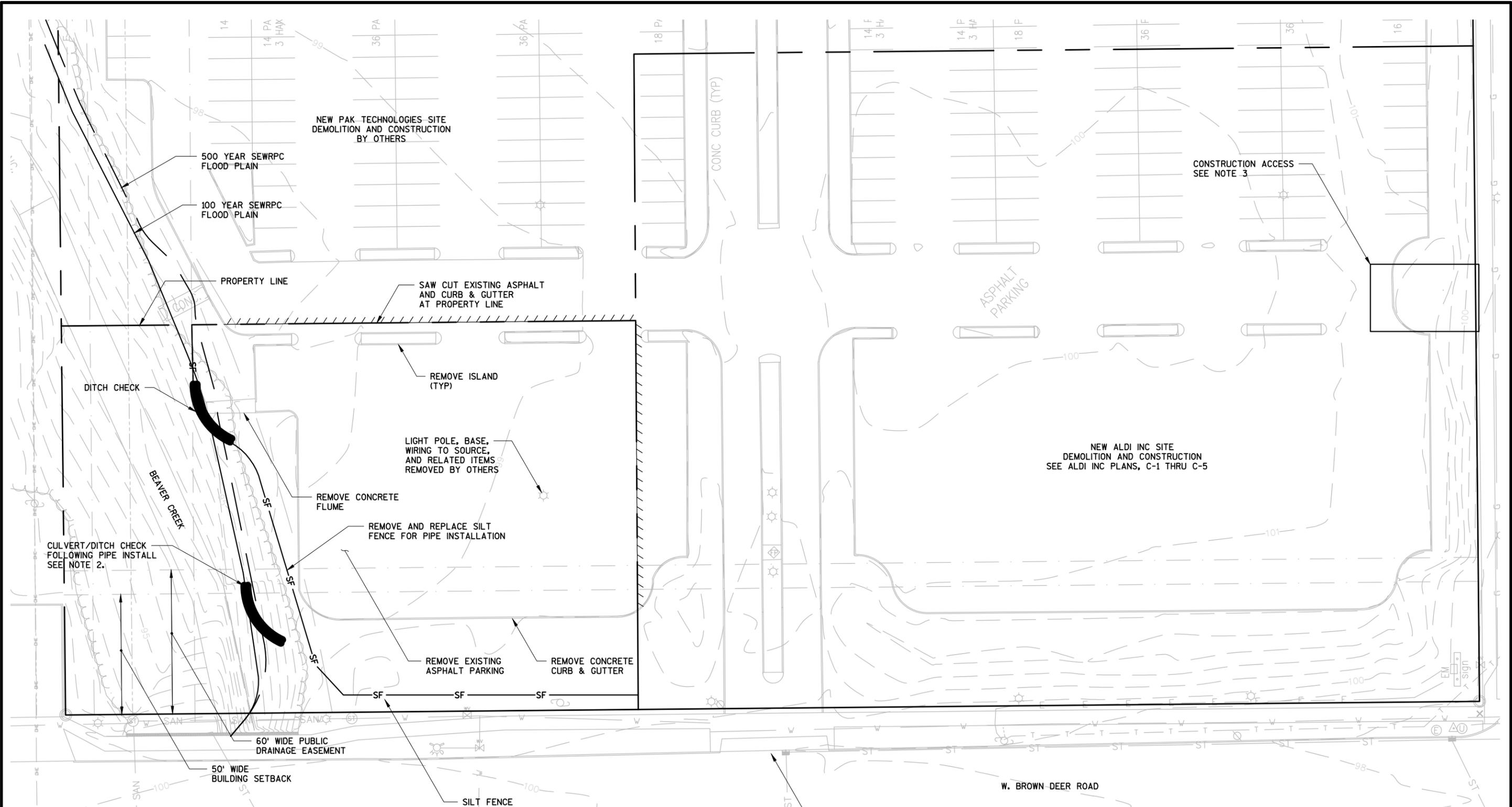
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**PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT**



PROPOSED TYPICAL SECTIONS

SHEET NO
G-6



NOTES:

1. US STATE PLANE (WI SOUTH ZONE) NAD27 SEWRPC
2. PROVIDE SILT CURTAIN DURING ENDWALL AND PIPE INSTALLATION
3. SITE ACCESS FROM EXISTING DRIVEWAY OFF OF W BROWN DEER ROAD UNTIL ALDI INC SITE WORK BEGINS. ONCE ALDI INC SITE ACCESS IS CONSTRUCTED AT PARK PLAZA CT, THAT ACCESS POINT MUST BE USED. COORDINATE ACCESS WITH ALDI INC. CONTRACTOR AS NECESSARY.



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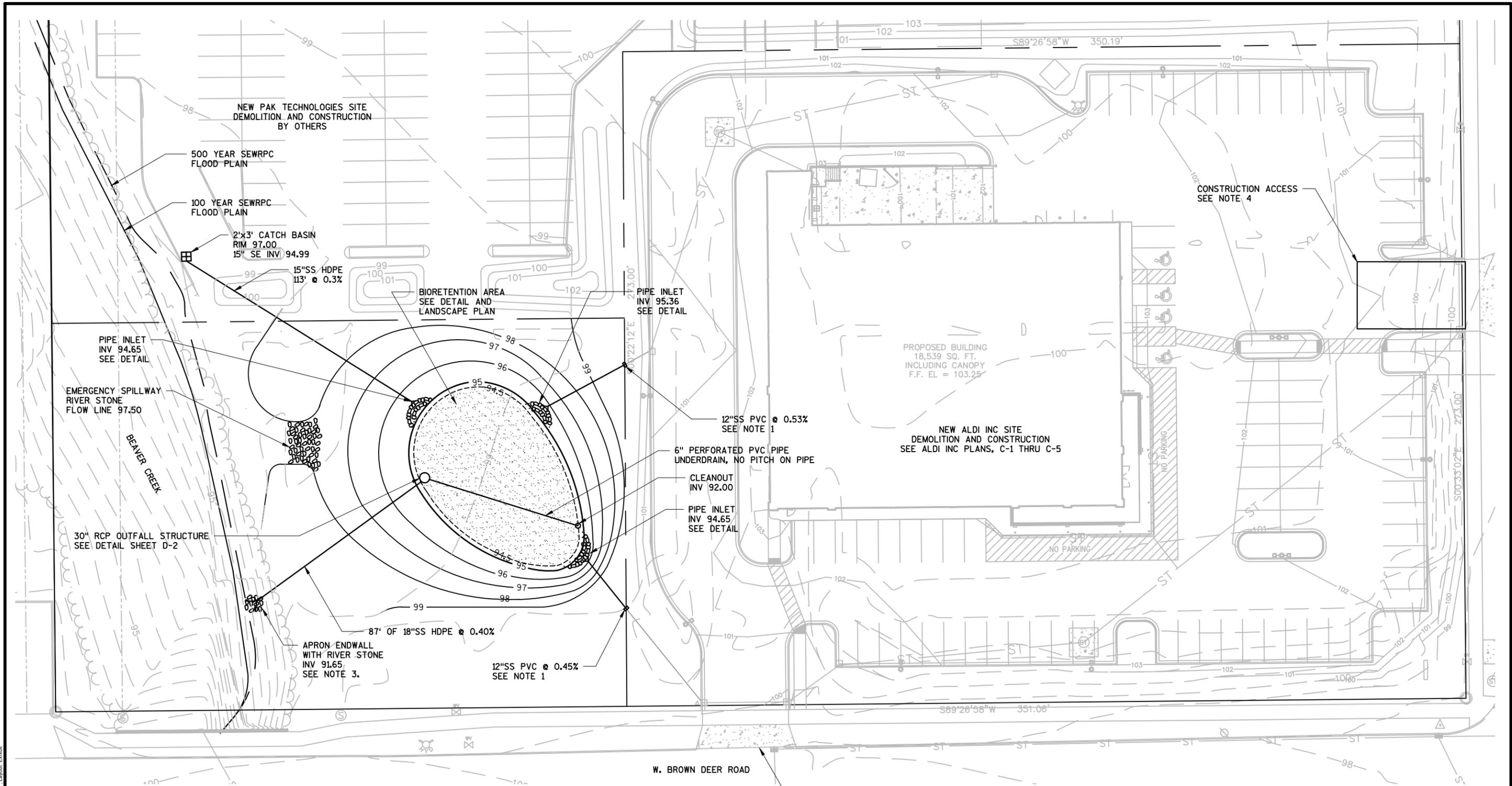
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**PARK PLAZA COURT RECONSTRUCTION
ALDI INC SITE STORMWATER MANAGEMENT
VILLAGE OF BROWN DEER**



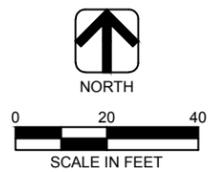
**STORMWATER MANAGEMENT SITE
DEMOLITION AND EROSION CONTROL**

SHEET NO
C-1



NOTES:

1. COORDINATE STORM LEAD INSTALLATION FROM STRUCTURE WITH ALDI SITE CONTRACTOR.
2. US STATE PLANE (WI SOUTH ZONE) NAD27 SEWRPC
3. WATER ELEVATION WAS 90.7 AT TIME OF SURVEY. PROVIDE COFFER DAM FOR ENDWALL AND PIPE INSTALLATION IF NECESSARY.
4. SITE ACCESS FROM EXISTING DRIVEWAY OFF OF W BROWN DEER ROAD UNTIL ALDI INC SITE WORK BEGINS. ONCE ALDI INC SITE ACCESS IS CONSTRUCTED AT PARK PLAZA CT, THAT ACCESS POINT MUST BE USED. COORDINATE ACCESS WITH ALDI INC. CONTRACTOR AS NECESSARY.



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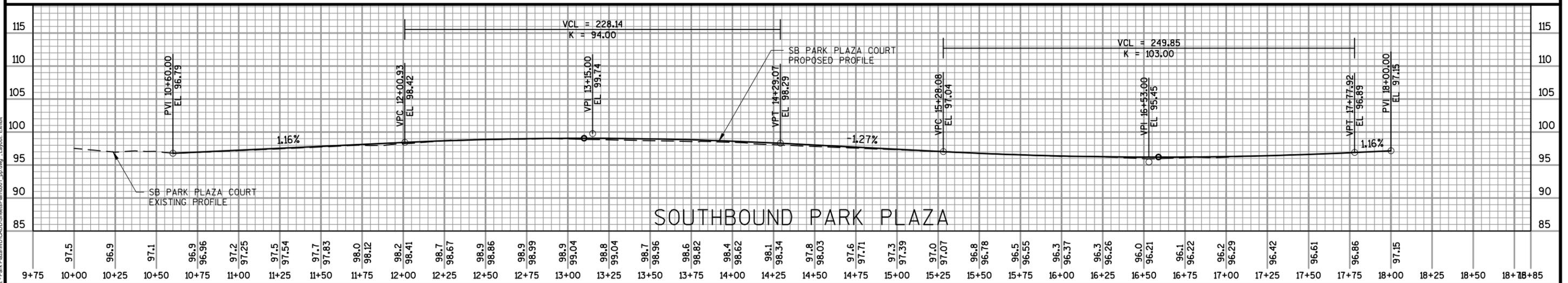
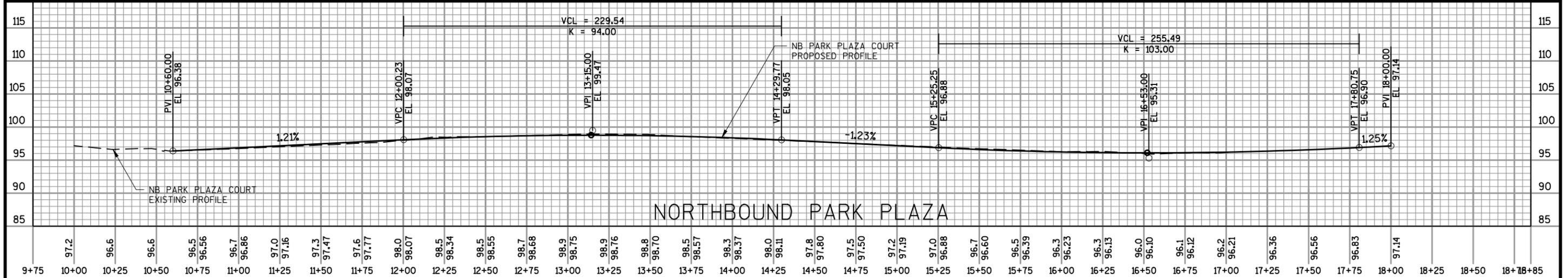
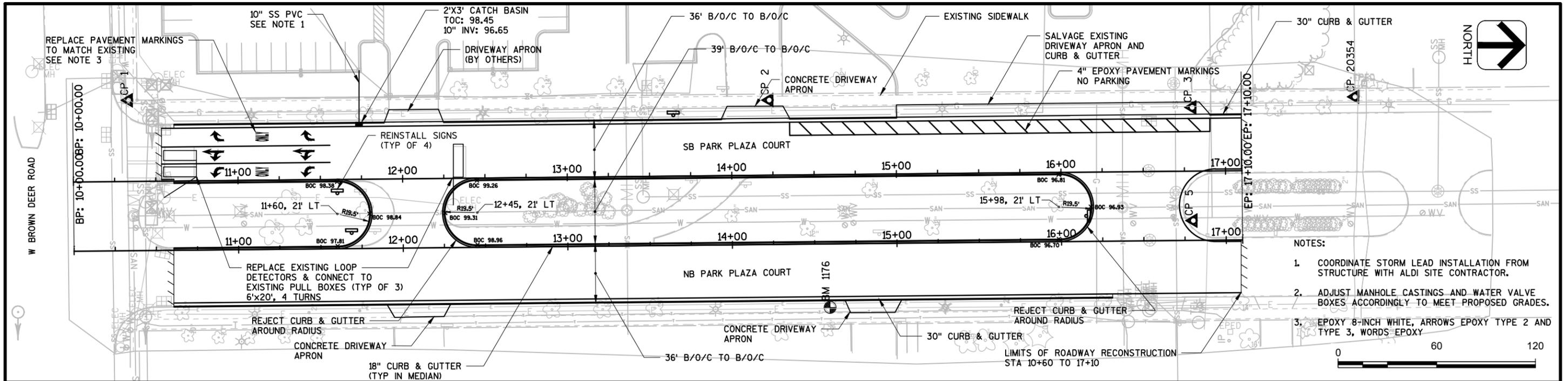
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| PJK | | | | | | | |
| DR BY | PROJ NO. | | | | | | |
| JWS | 24-0266.12 | | | | | | |
| CHK BY | DATE | | | | | | |
| KA | FEB 2016 | | | | | | |

**PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER**



STORMWATER MANAGEMENT SITE PLAN

SHEET NO
C-2



| | | | |
|--------|-----|----------|------------|
| DES BY | PJK | BOOK NO. | |
| DR BY | JWS | PROJ NO. | 24-0266.12 |
| CHK BY | KA | DATE | FEB 2016 |

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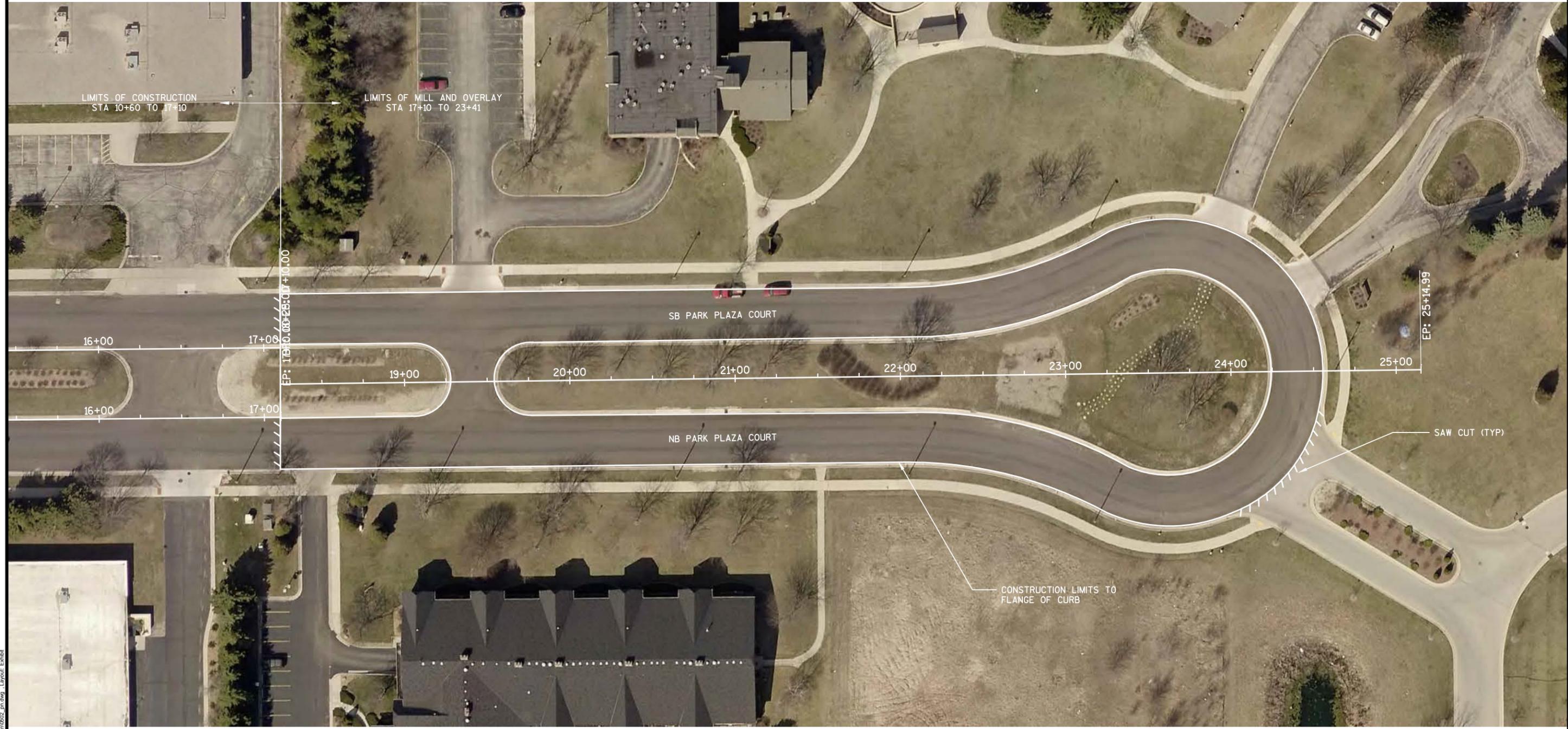
PARK PLAZA COURT RECONSTRUCTION
ALDI INC SITE STORMWATER MANAGEMENT
VILLAGE OF BROWN DEER



PARK PLAZA COURT
PLAN AND PROFILE

SHEET NO
C-101

AA-Standard.sib
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- NOTES:**
1. DETERMINE AND MATCH EXISTING CROSS SLOPES PROVIDE STAKING AS NECESSARY.
 2. MAINTAIN ACCESS TO PRIVATE PROPERTY AT ALL TIMES.
 3. STAGE CONSTRUCTION SO THAT ONE HALF OF PARK PLAZA CT IS CONSTRUCTED AT A TIME. TWO WAY TRAFFIC AND ACCESS TO ALL DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

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 24-0266\24-026612 - Park Plaza\WDCADD\Sheets\Plan\0502 - pd.dwg - Layout - Exhibit

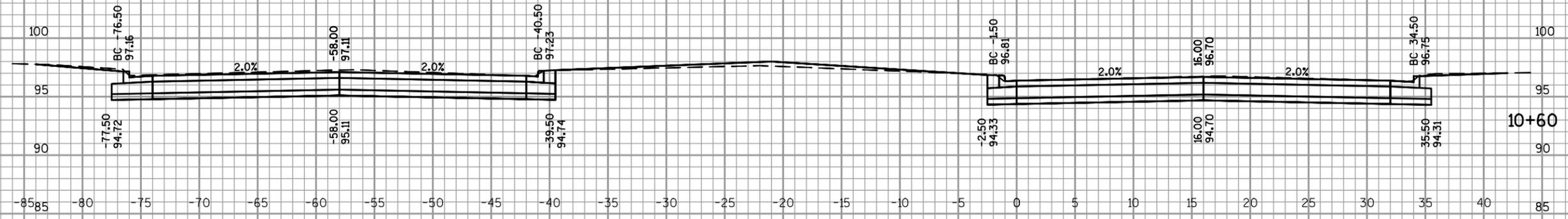
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| DES BY | PJK | BOOK NO | | | | | | | |
| DR BY | JWS | PROJ NO | 24-0266.12 | | | | | | |
| CHK BY | KA | DATE | FEB 2016 | NO | DATE | REVISION | NO | DATE | REVISION |

**PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER**



**PARK PLAZA COURT
 MILL AND OVERLAY**

SHEET NO
C-102



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|--------|-----|---------|------------|----|------|----------|--|
| DES BY | PJK | BOOK NO | . | | | | |
| DR BY | JWS | PROJ NO | 24-0266.12 | | | | |
| CHK BY | KA | DATE | FEB 2016 | NO | DATE | REVISION | |

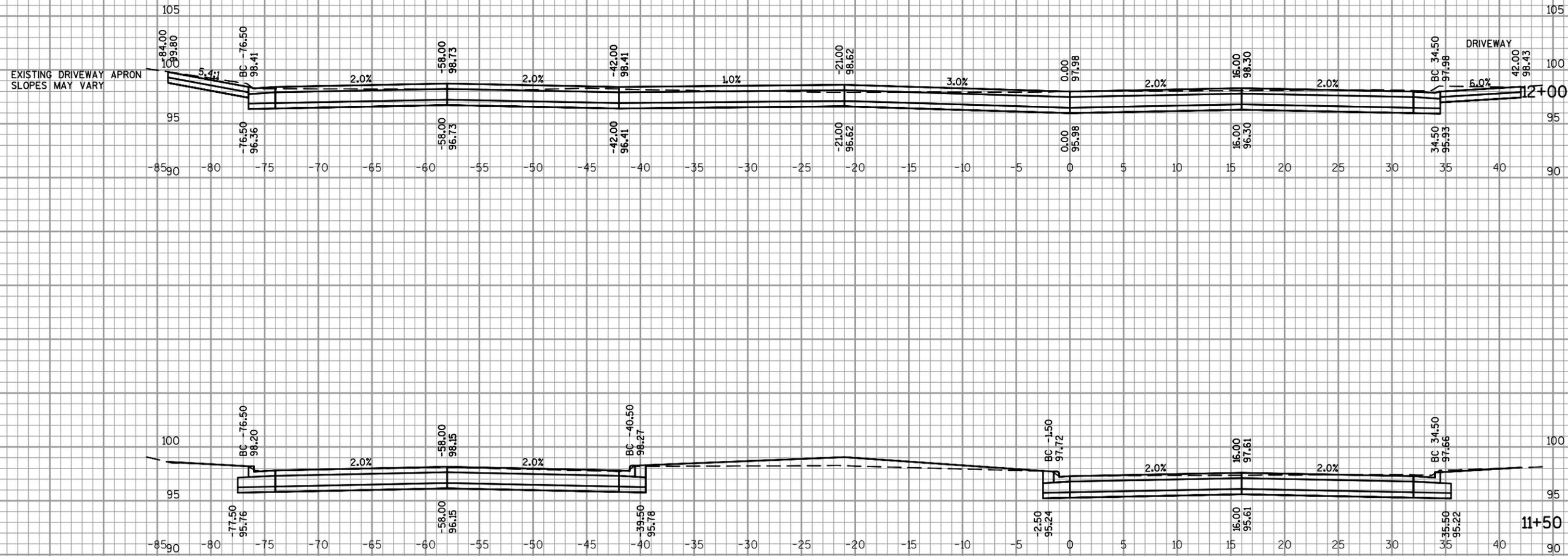
PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER



CROSS SECTIONS

SHEET NO
 X-101

AA-Standard.sib
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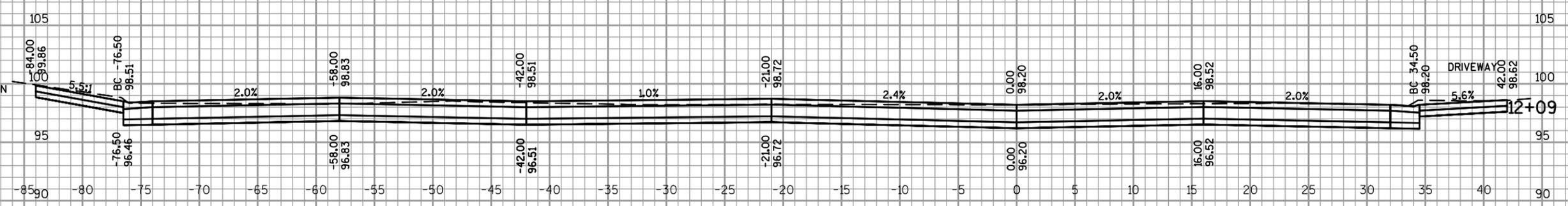
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| DR BY | JWS | PROJ NO | | 24-0266.12 | | | | |
| CHK BY | KA | DATE | | FEB 2016 | | | | |

**PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER**



CROSS SECTIONS

SHEET NO
X-102



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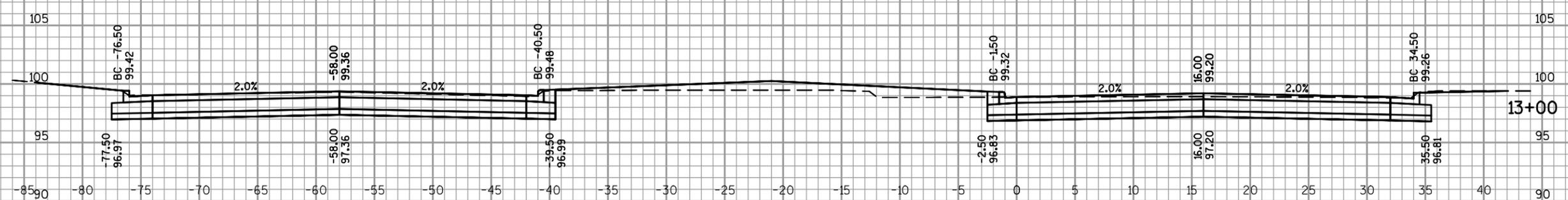
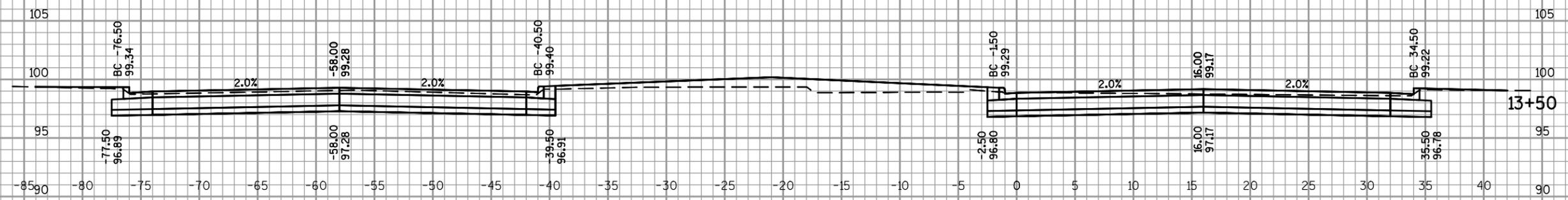
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| CHK BY <td>KA <td>DATE <td>FEB 2016</td> <td></td> <td></td> </td></td> | KA <td>DATE <td>FEB 2016</td> <td></td> <td></td> </td> | DATE <td>FEB 2016</td> <td></td> <td></td> | FEB 2016 | | |

PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER



CROSS SECTIONS

SHEET NO
 X-103



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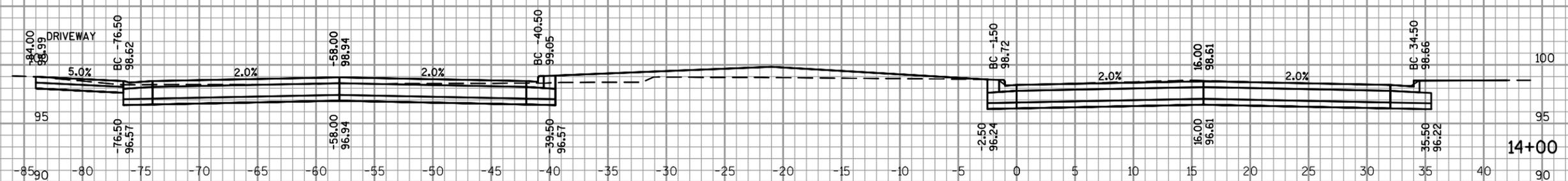
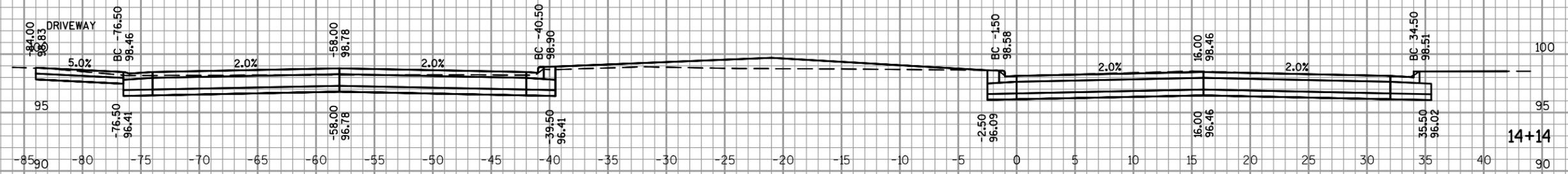
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| CHK BY | KA | DATE | FEB 2016 | NO | DATE | REVISION | |

PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER



CROSS SECTIONS

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X-104



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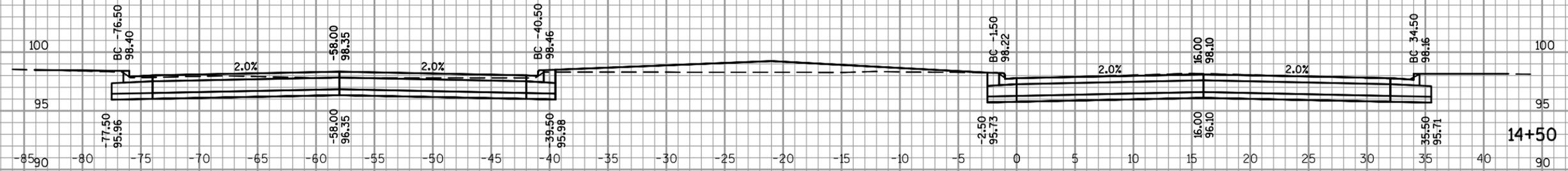
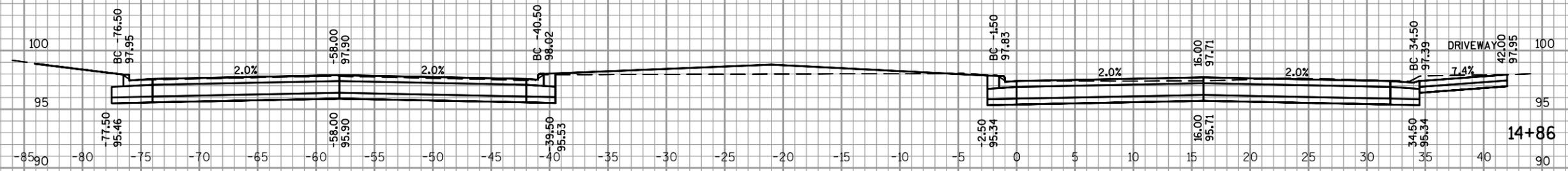
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| DR BY | JWS | PROJ NO | 24-0266.12 |
| CHK BY | KA | DATE | FEB 2016 |
| NO | DATE | REVISION | |
| NO | DATE | REVISION | |

PARK PLAZA COURT RECONSTRUCTION
ALDI INC SITE STORMWATER MANAGEMENT
VILLAGE OF BROWN DEER



CROSS SECTIONS

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AA-Standard.sbt

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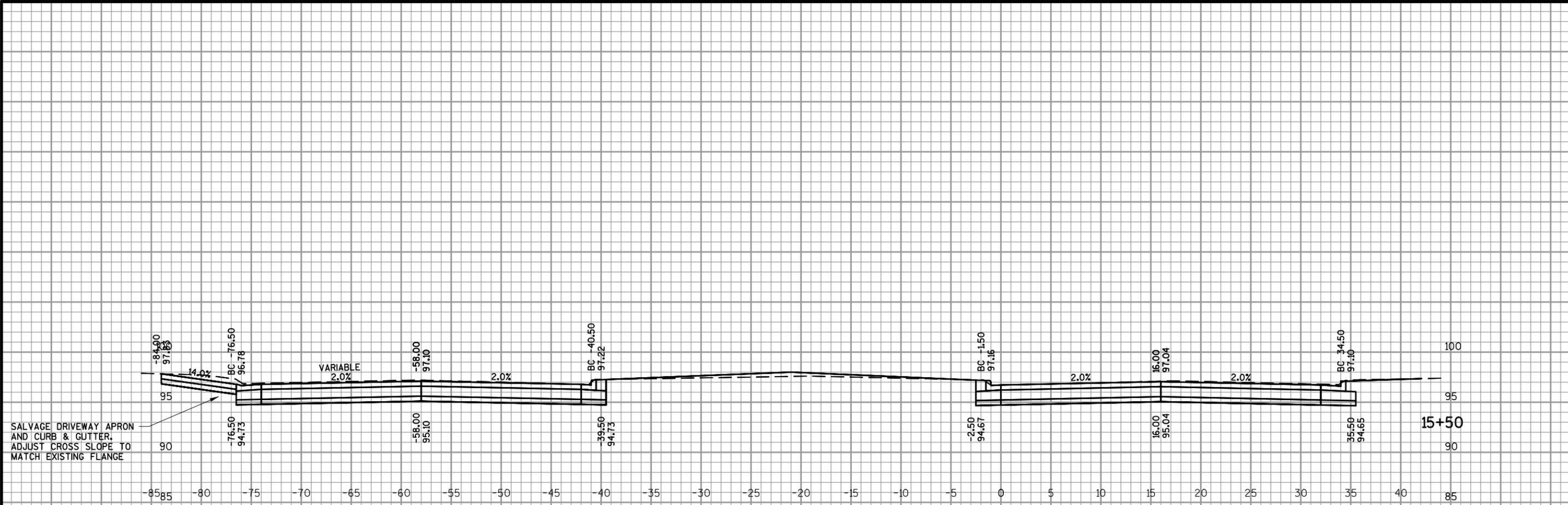
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| CHK BY | KA | DATE | FEB 2016 | NO | DATE | REVISION | |

PARK PLAZA COURT RECONSTRUCTION
ALDI INC SITE STORMWATER MANAGEMENT
VILLAGE OF BROWN DEER



CROSS SECTIONS

SHEET NO
X-106



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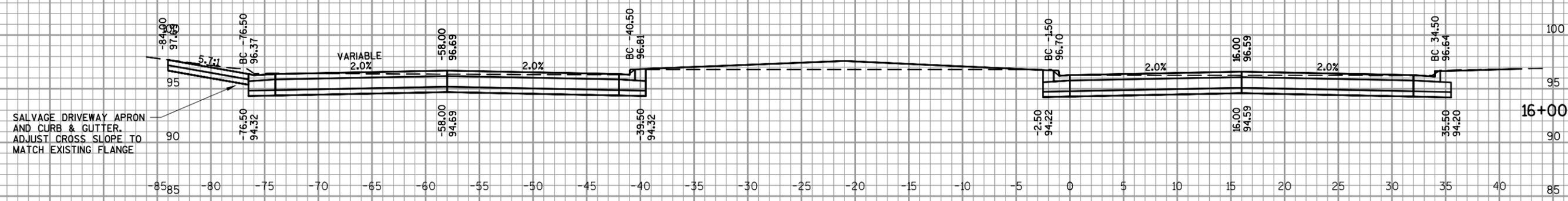
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| DR BY | JWS | PROJ NO | 24-0266.12 | | | | |
| CHK BY | KA | DATE | FEB 2016 | NO | DATE | REVISION | |

**PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER**



CROSS SECTIONS

SHEET NO
X-107



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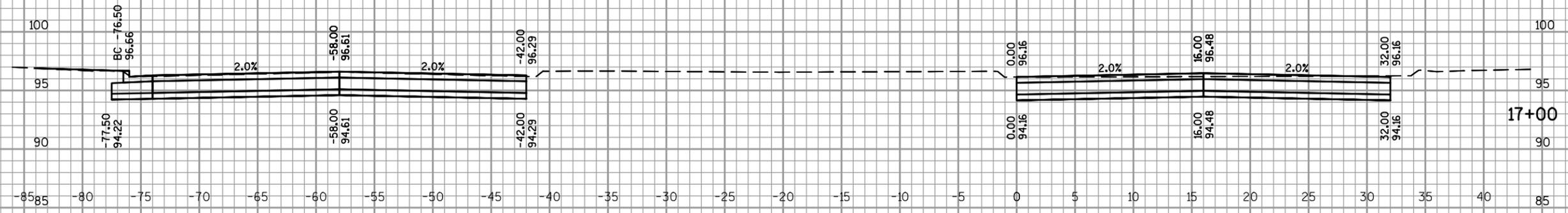
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| DES BY | PJK | BOOK NO | |
| DR BY | JWS | PROJ NO | 24-0266.12 |
| CHK BY | KA | DATE | FEB 2016 |
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**PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER**



CROSS SECTIONS

SHEET NO
X-108



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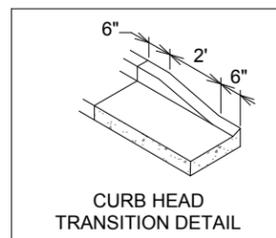
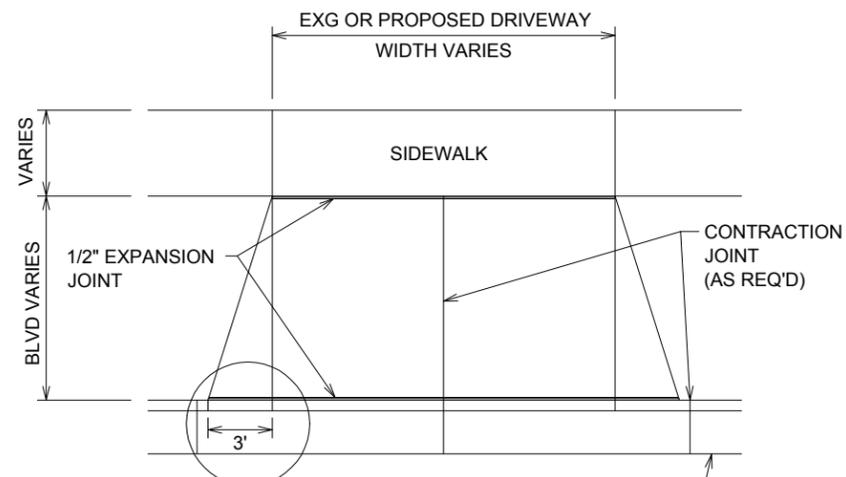
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| JWS | JWS | 24-0266.12 | | | | | | |
| CHK BY | KA | DATE | FEB 2016 | | | | | |

PARK PLAZA COURT RECONSTRUCTION
 ALDI INC SITE STORMWATER MANAGEMENT
 VILLAGE OF BROWN DEER



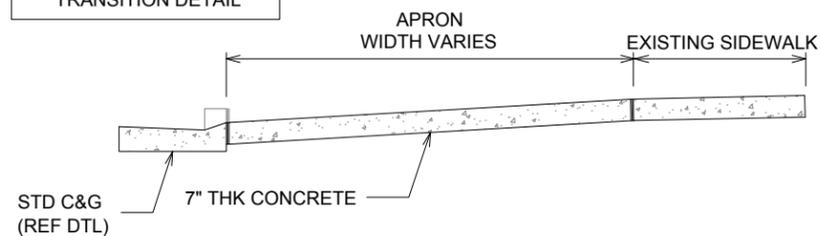
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SHEET NO
 X-109



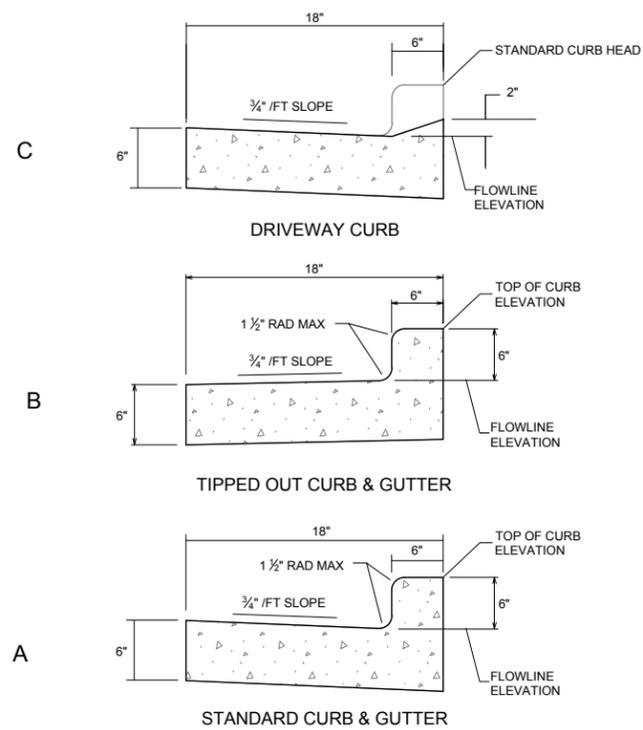
PLAN VIEW

STD C&G (REF DTL)

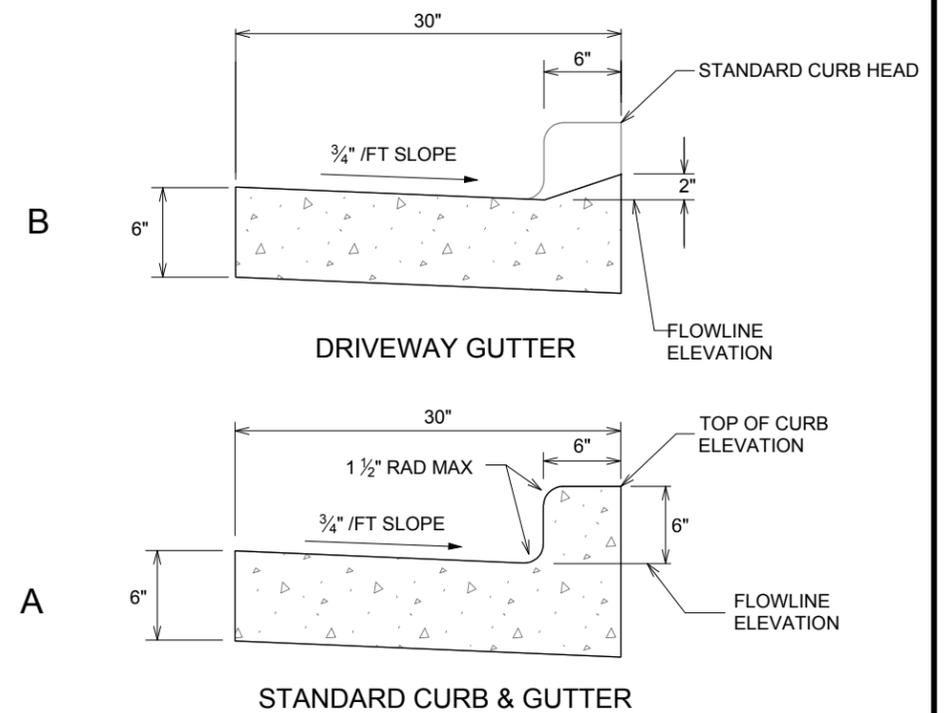


SECTION

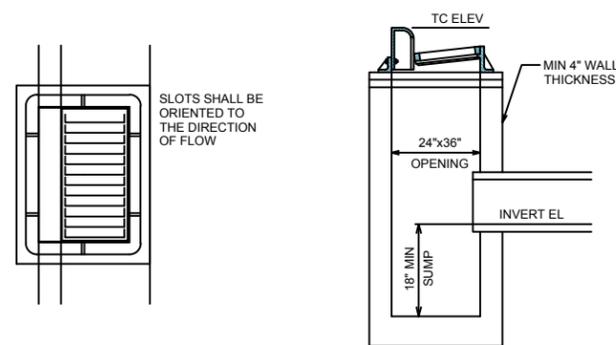
① CONCRETE DRIVEWAY APRON
NTS ST104



② 18" CONCRETE CURB & GUTTER (MEDIAN)
NTS ST500



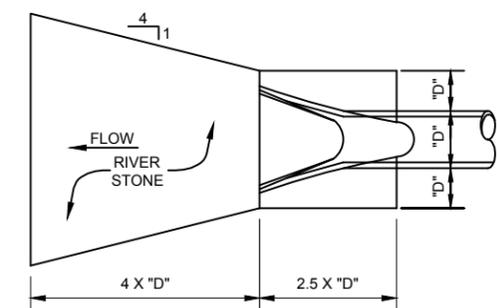
③ 30" CONCRETE CURB & GUTTER
NTS ST100



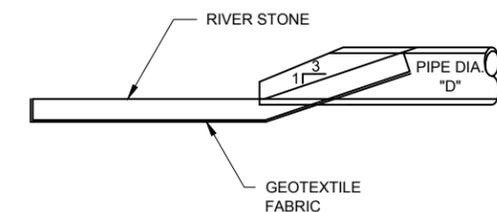
CASTING:
NEENAH FOUNDRY CO R-3067 CASTING OR APPROVED EQUAL
ADJUST FRAME TO GRADE WITH (2) 2" TO 4" THICK PRECAST CONCRETE RINGS. RINGS SHALL BE REINFORCED WITH WIRE MESH OR #3 STEEL BARS. TOP RING SHALL NOT BE MORTARED UNTIL FINAL ADJUSTMENT.

MANHOLE:
SEE MANHOLE SPEC, PRECAST CONCRETE AND REINFORCEMENT SHALL CONFORM TO ASTM C478. CAST IN PLACE CONCRETE AND REINFORCEMENT SHALL CONFORM TO CONCRETE SPEC

④ CATCH BASIN DETAIL
NTS



PLAN



SECTION

⑤ RIVER STONE - STORM SEWER OUTLET
NTS

AA-Standard.snb
P:\Projects\2014\2014022812 - Park Plaza\WDCADD\Sheets\Plan\0210_cd.dwg - Layout: 1 CONSTRUCTION DETAILS

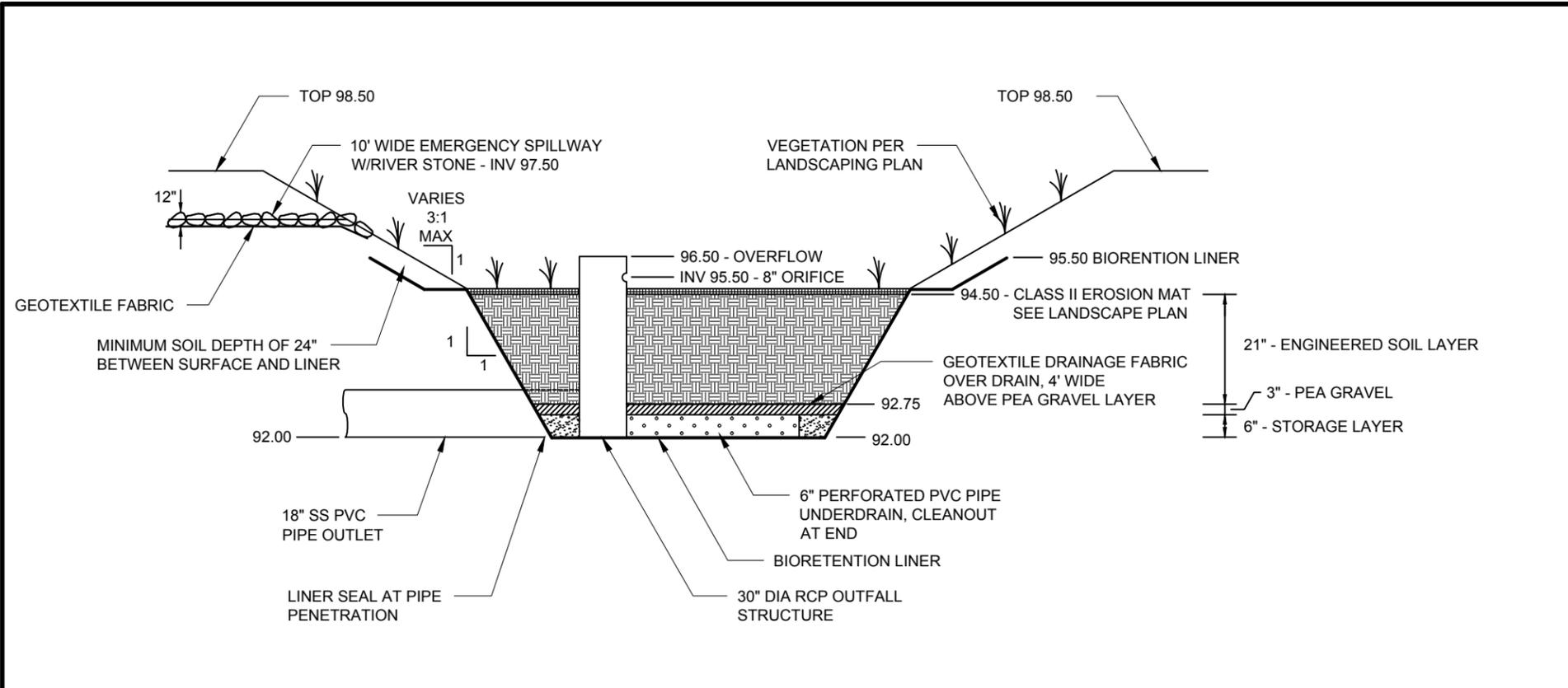
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| DES BY | PJK | BOOK NO | | | | | | | |
| DR BY | JWS | PROJ NO | 24-0266.12 | | | | | | |
| CHK BY | KA | DATE | FEB 2016 | NO | DATE | | REVISION | NO | DATE |

PARK PLAZA COURT RECONSTRUCTION
ALDI INC SITE STORMWATER MANAGEMENT
VILLAGE OF BROWN DEER

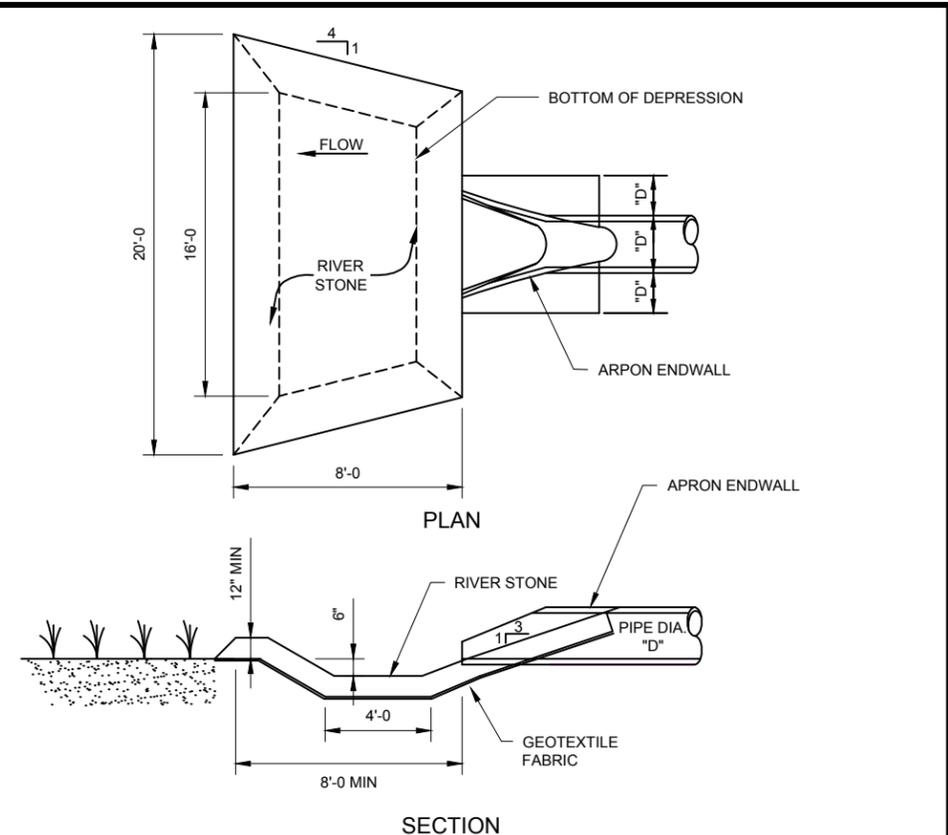


DETAILS

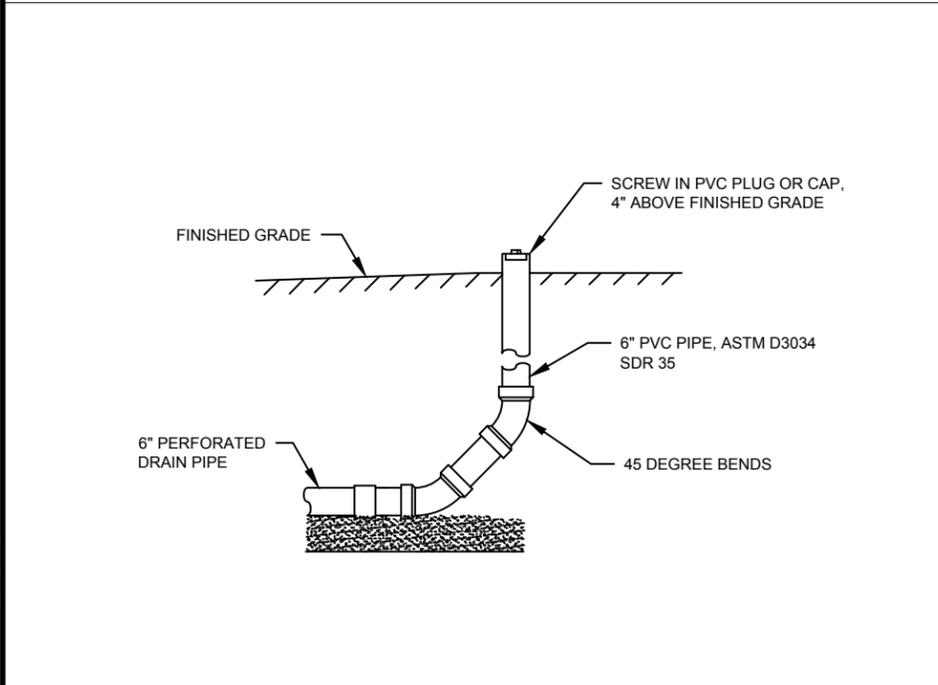
SHEET NO
D-1



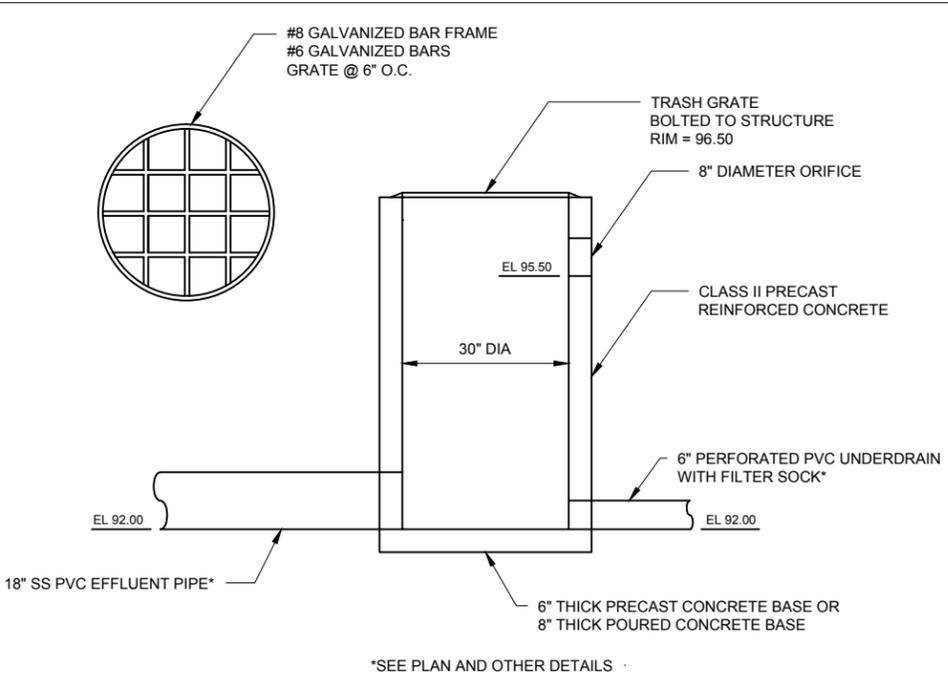
⑥ **BIORETENTION DETAIL**
NTS



⑦ **BIORETENTION PIPE INLET/LEVEL SPREADER AND FOREBAY**
NTS



⑧ **CLEANOUT**
NTS



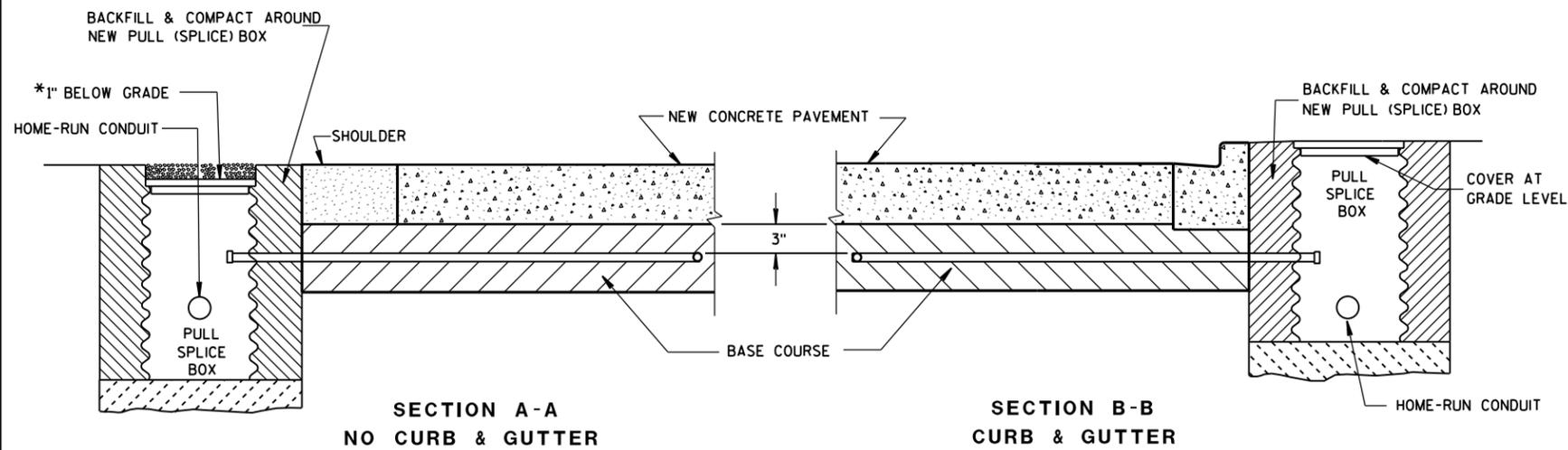
⑨ **BIORETENTION OUTFALL STRUCTURE**
NTS

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C:\Users\jw3\OneDrive\Documents\2024022612 - Park Plaza\WDCADD\Sheets\Plan\0210_cd.dwg - Layout: 2 CONSTRUCTION DETAILS

| DES BY | PJK | BOOK NO | | | | | |
|--------|-----|---------|------------|----|------|----------|--|
| DR BY | JWS | PROJ NO | 24-0266.12 | | | | |
| CHK BY | KA | DATE | FEB 2016 | NO | DATE | REVISION | |
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PARK PLAZA COURT RECONSTRUCTION
ALDI INC SITE STORMWATER MANAGEMENT
VILLAGE OF BROWN DEER





*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

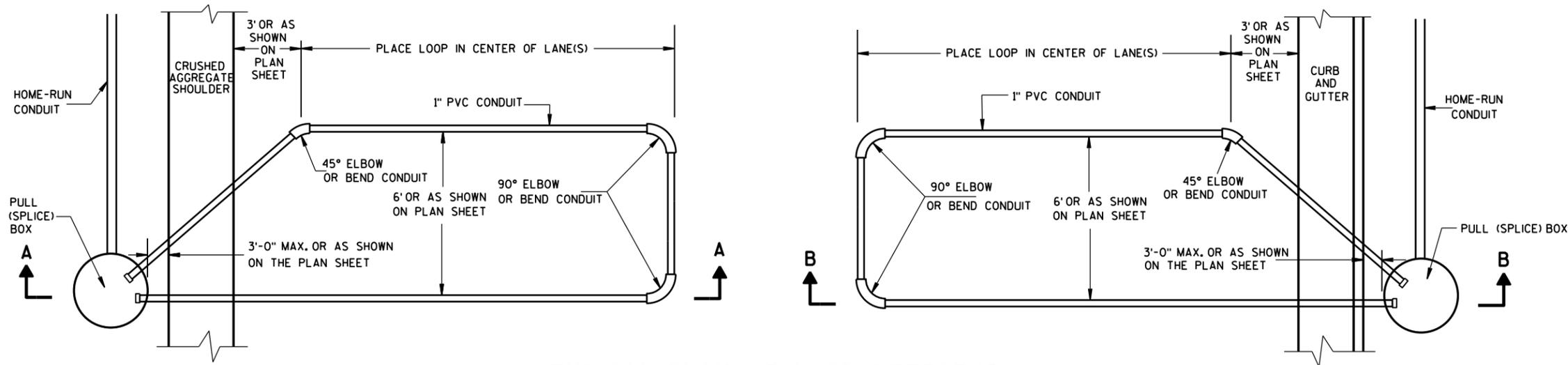
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

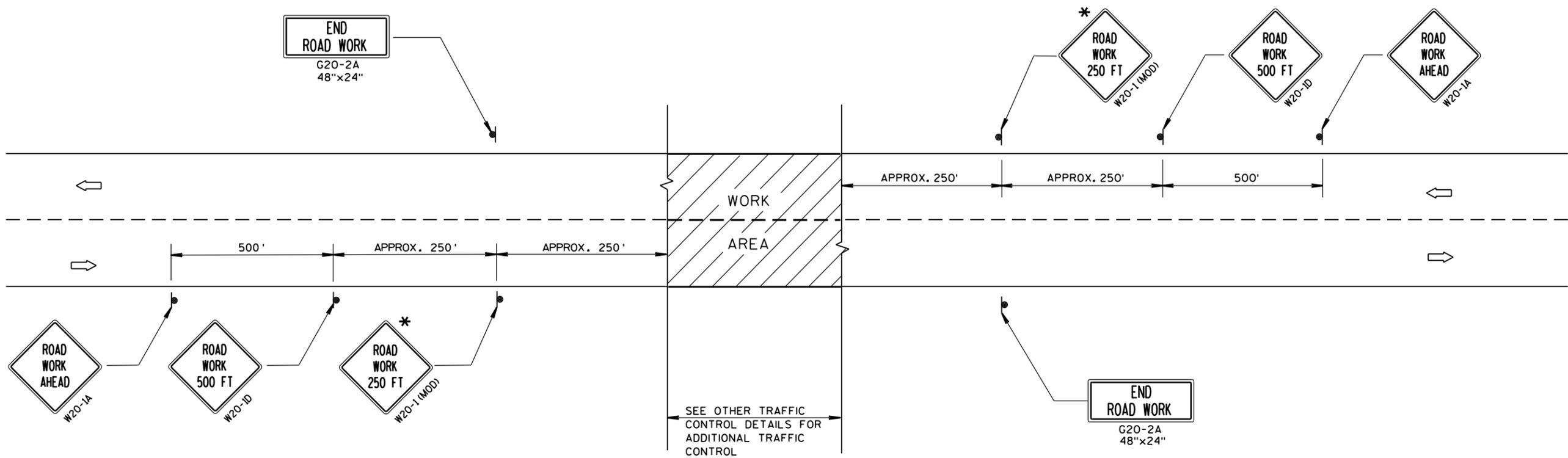
| | |
|---|---|
| LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1) | |
| STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION | |
| APPROVED DATE FHWA | /S/ Ahmet Demirbilek STATE ELECTRICAL ENGINEER |

6

6



15C5: Traffic Control, Advance Warning Signs 40 M.P.H. or Less, Two Way Undivided Road Open to Traffic



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

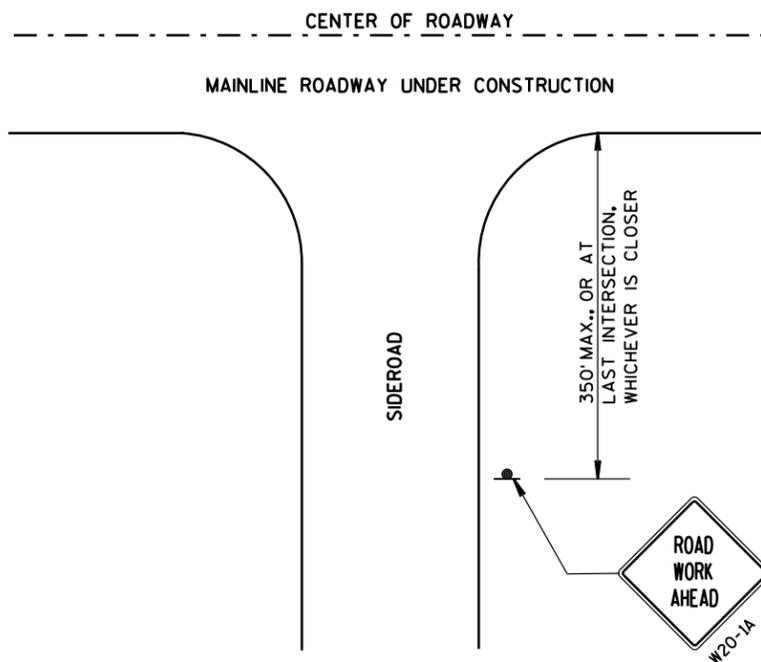
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

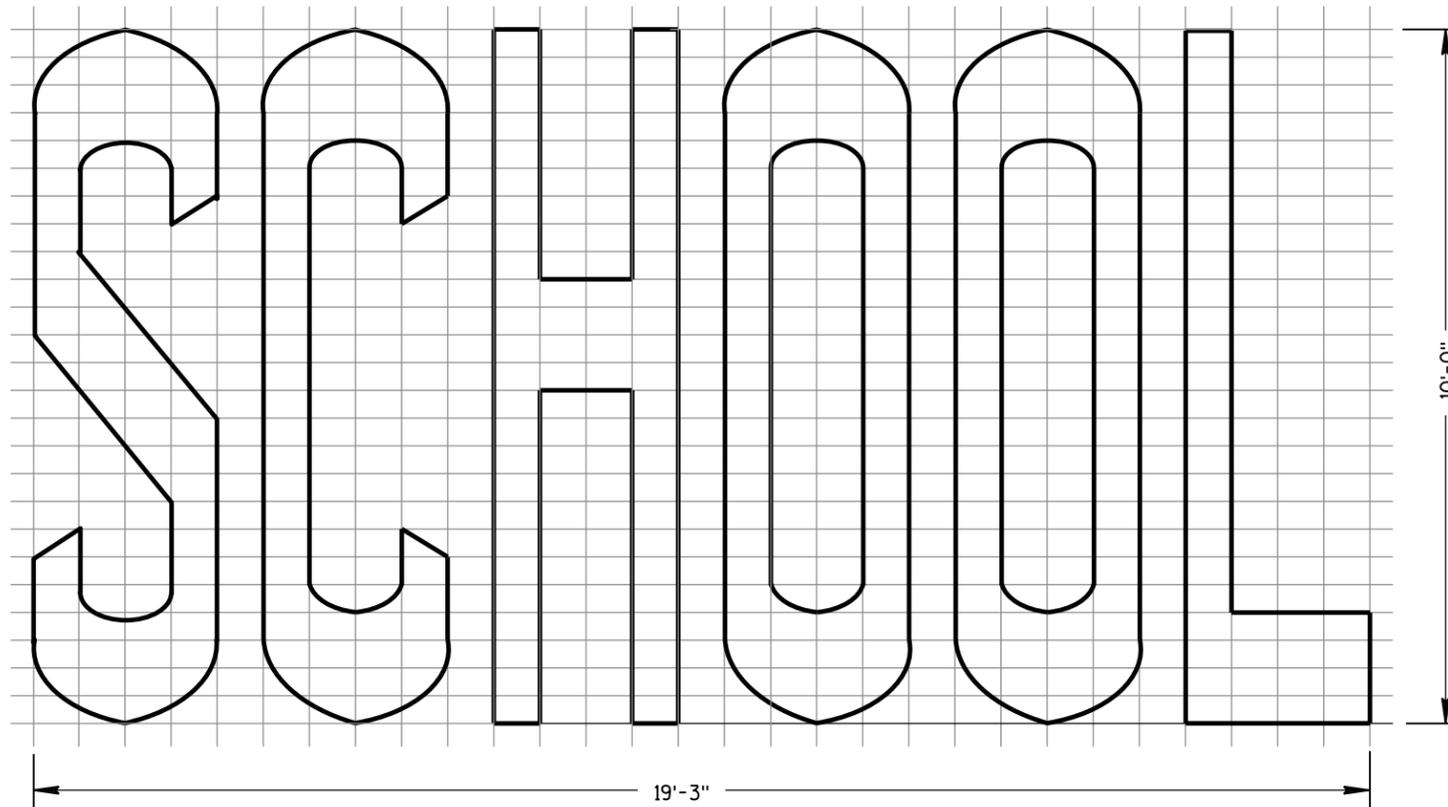
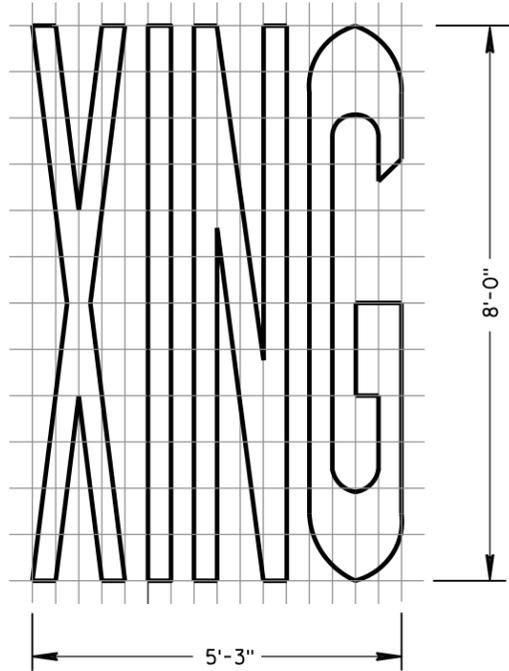
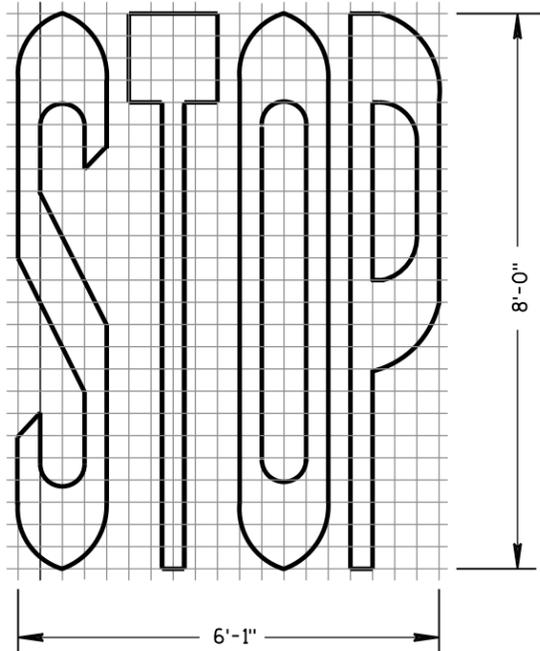
| | |
|--|--|
| TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC | |
| STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION | |
| APPROVED DATE | /S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER |
| FHWA | |



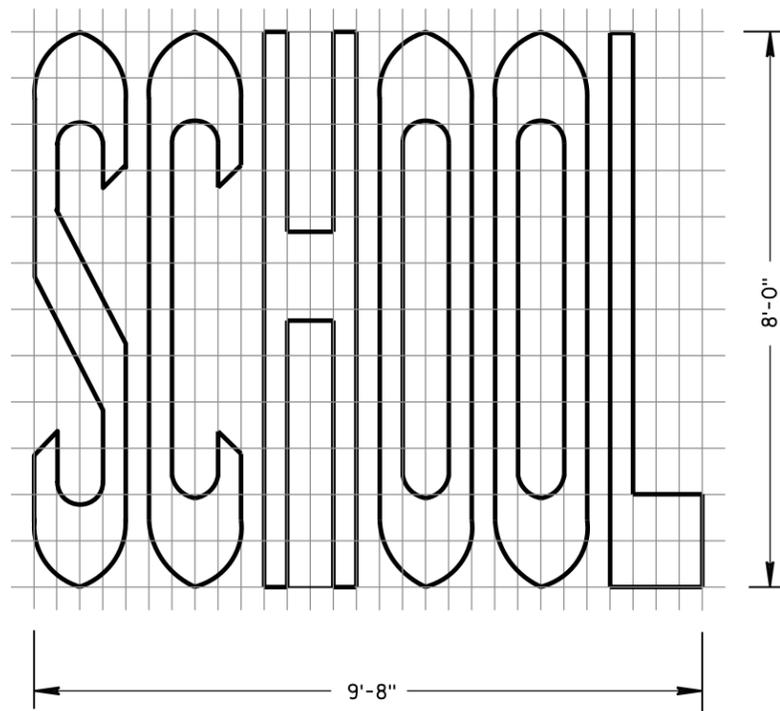
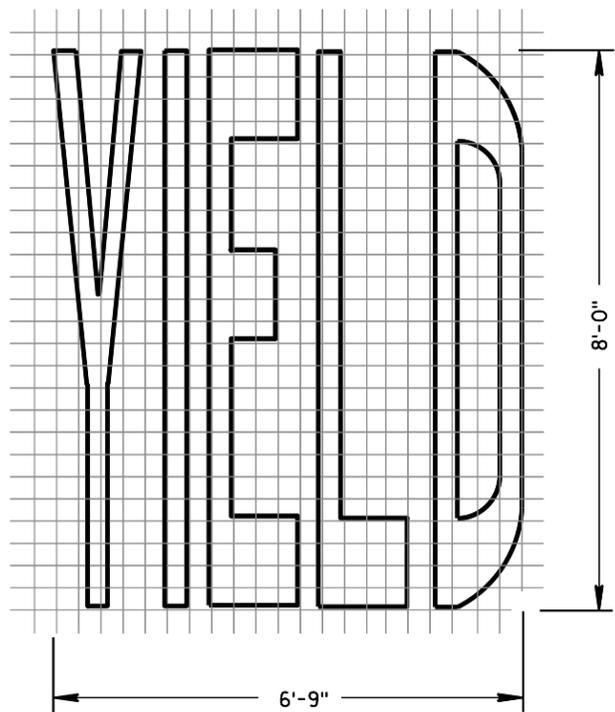
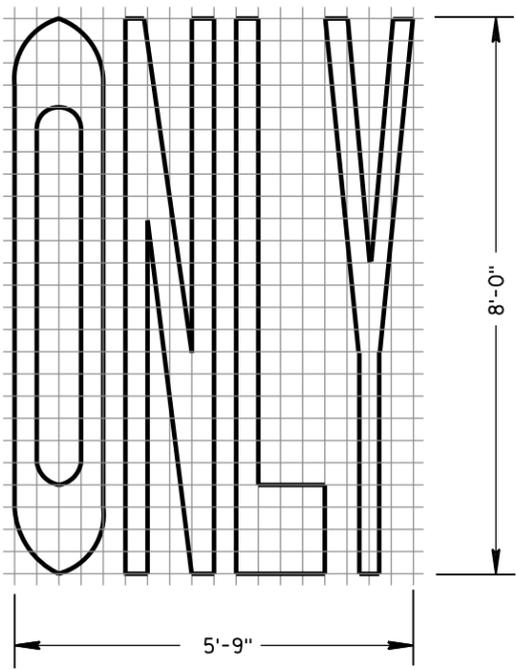
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

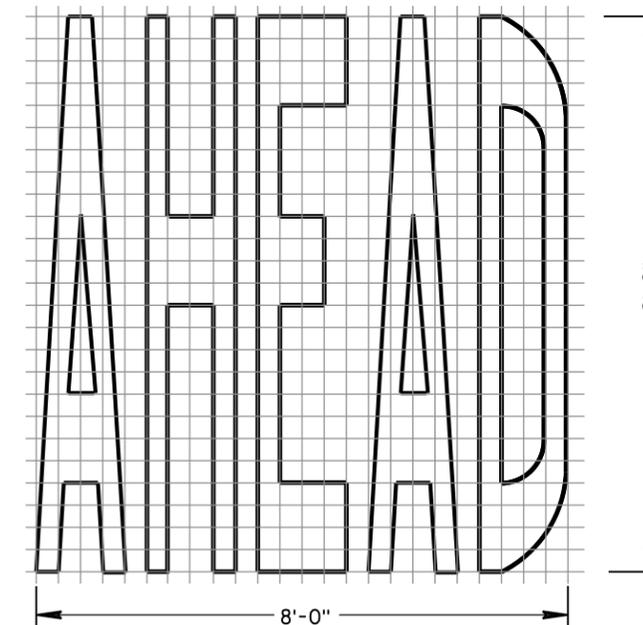
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TWO-LANE



SINGLE-LANE



6

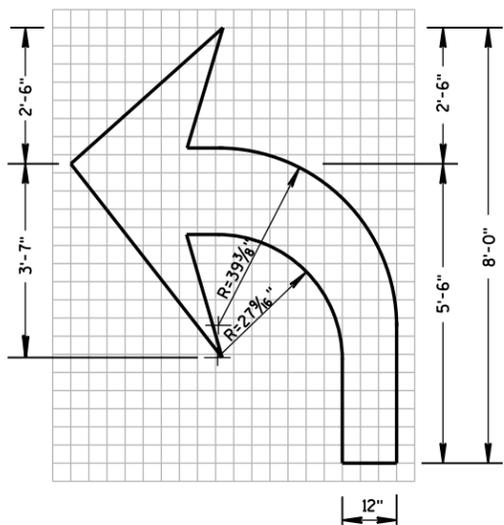
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PAVEMENT MARKING WORDS

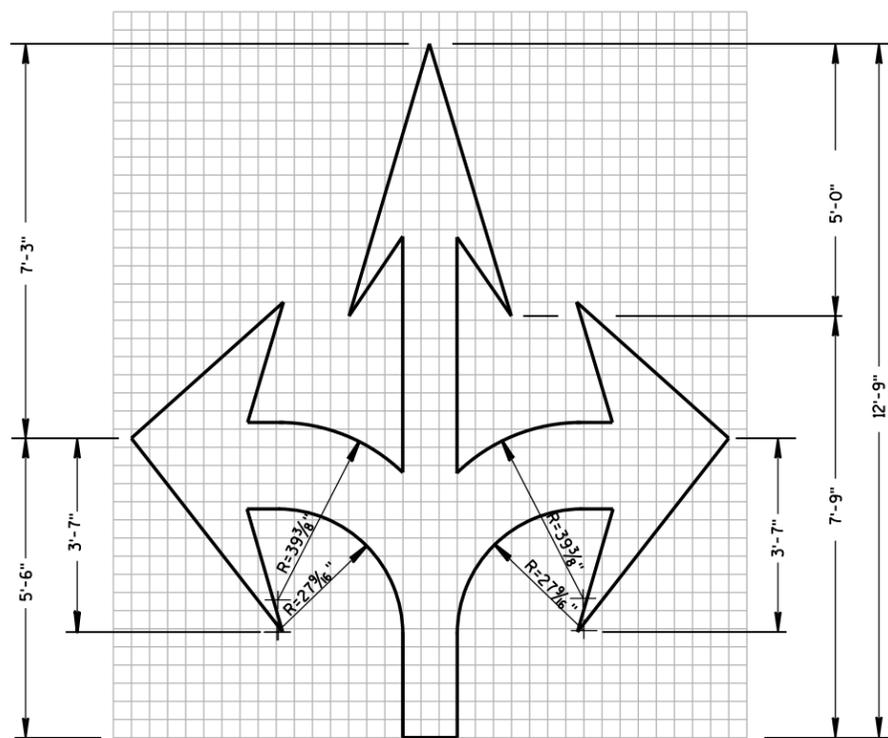
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

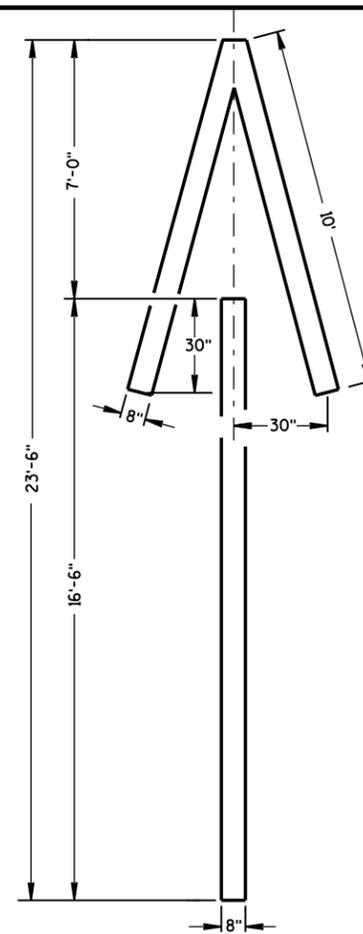
7-1-11 /S/ Thomas N. Notbohm
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



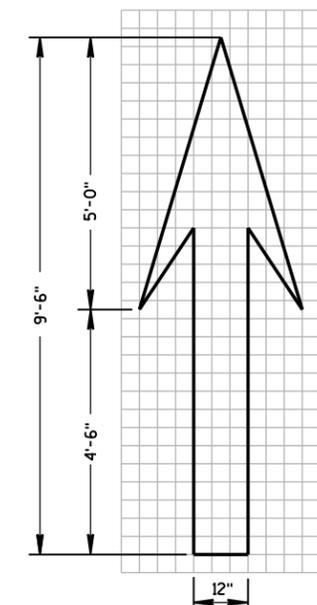
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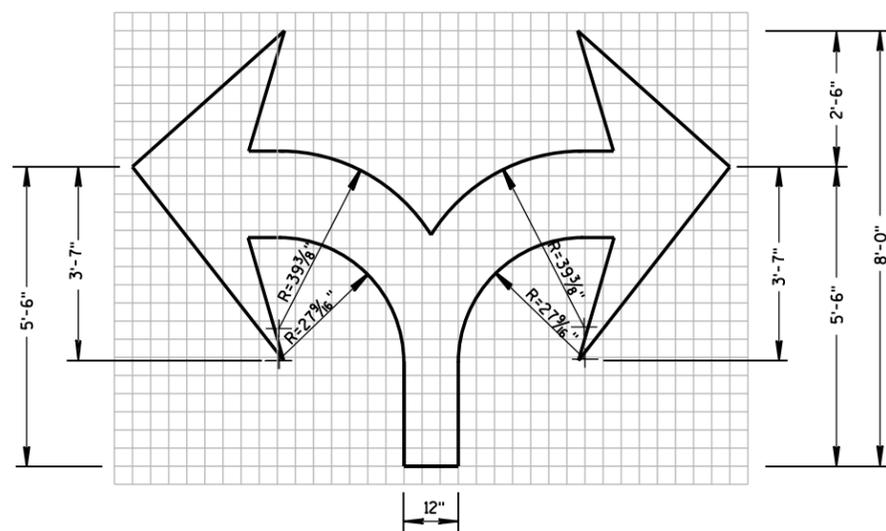
TYPE 6



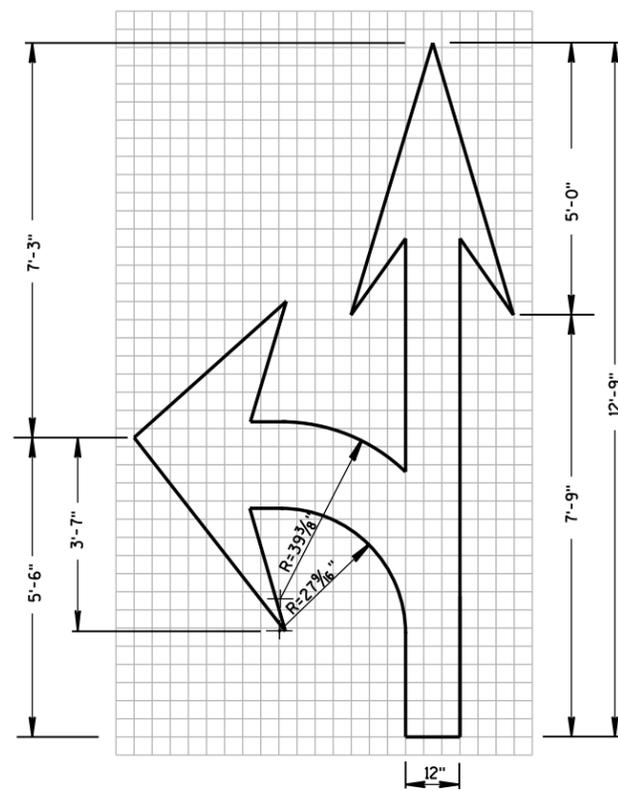
TYPE 4



TYPE 1



TYPE 7

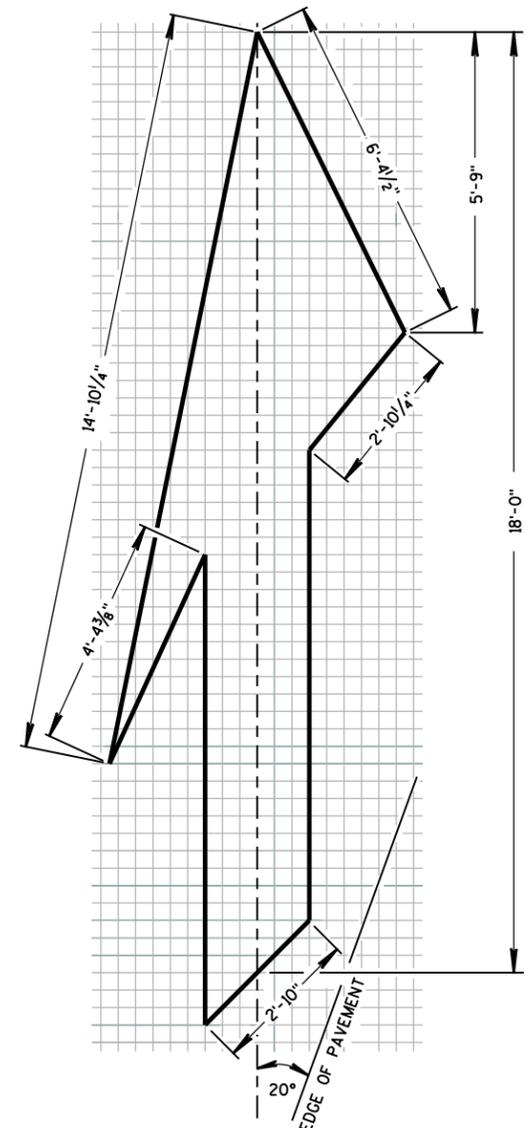


TYPE 3

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

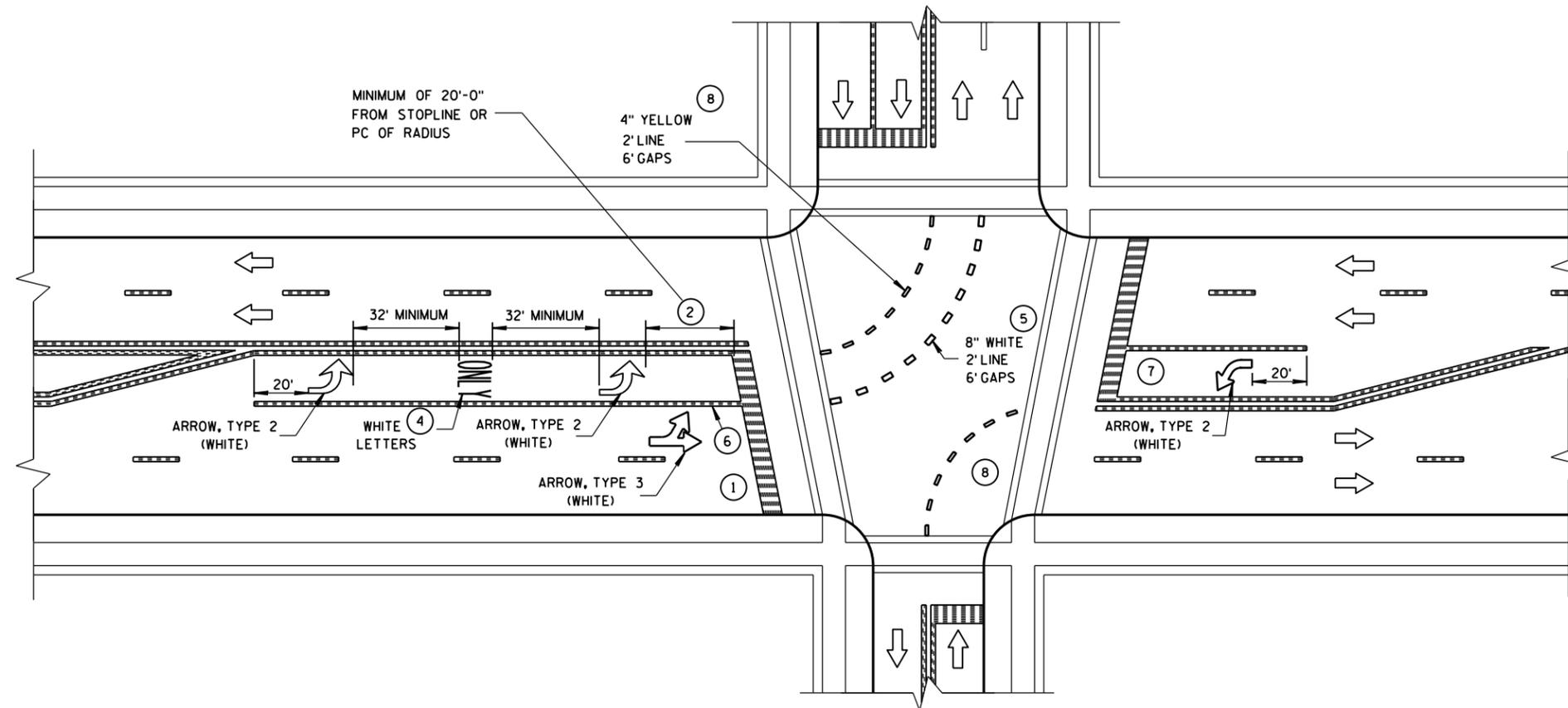


TYPE 5 LANE DROP ARROW

PAVEMENT MARKING ARROWS

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APPROVED
7-1-2011 /S/ Thomas N. Notbohm
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



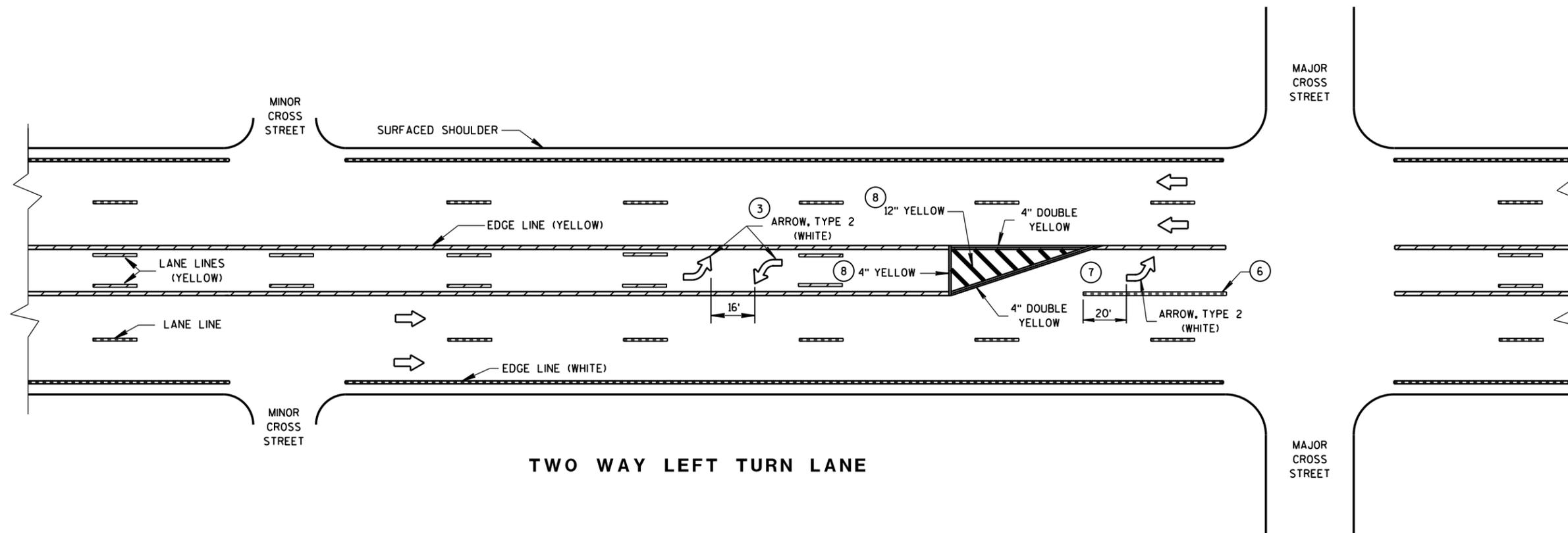
GENERAL NOTES

- ① STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- ② DISTANCE MAY BE ADJUSTED TO ACCOMMODATE SHORT LEFT TURN LANES, AS APPROVED BY THE ENGINEER.
- ③ A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ④ ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
- ⑤ 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
- ⑥ 8" WHITE
- ⑦ ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
- ⑧ REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
 ARROW SYMBOL ()
 SHOWS DIRECTION OF TRAVEL

6

6



TWO WAY LEFT TURN LANE

**PAVEMENT MARKING
(LEFT TURN LANE)**

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