09-20-2019 LETTING ITEM 010

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	1
FED. ROAD DIST. NO 1	ILLINOIS	CONTRACT NO. 61F98		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

TRAFFIC DATA

ADT:
MAIN STREET — 2017 TRAFFIC 1,900 VPD

ROADWAY	SPEED POSTED	DESIGN SPEED
MAIN STREET	35 MPH	35 MPH

DESIGN DESIGNATION

FAU 0165 (MAIN STREET) - MAJOR COLLECTOR

J.U.L.I.E.
JOINT
UTILITY
LOCATION
INFORMATION FOR
EXCAVATION
CALL 811

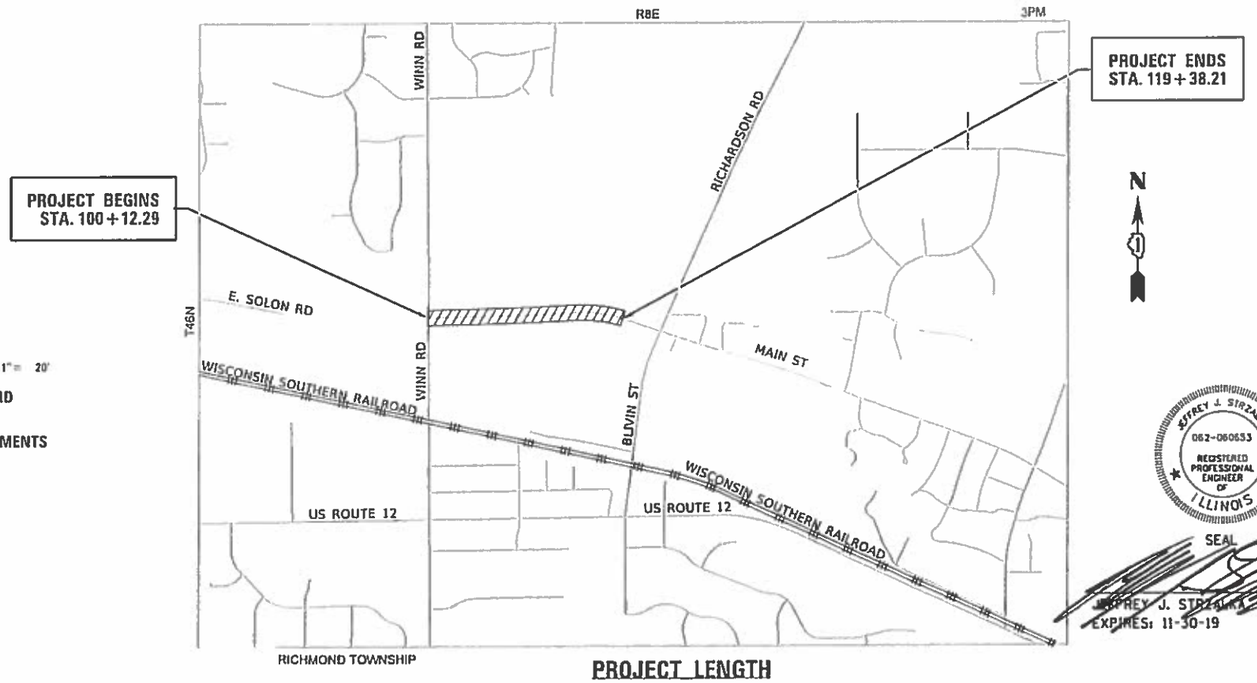
811
Know what's below.
Call before you dig.

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 0165 (MAIN STREET)
FROM WINN ROAD (FAU 0157) TO BLIVIN STREET (FAU 0010)
SIDEWALK AND DRAINAGE

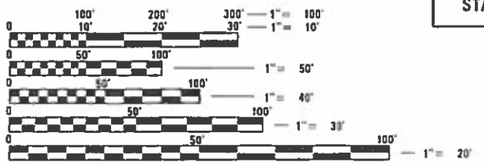
SECTION NO: 16-00016-00-SW
PROJECT NO: IUOW(511)
VILLAGE OF SPRING GROVE
McHENRY COUNTY
C-91-443-16

PROJECT LOCATION MAP
N.T.S.



PROJECT LENGTH

NET AND GROSS LENGTH OF PROJECT= 1,926 FT. = 0.36 MILES



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

LOCATION OF SECTION INDICATED THUS: —

HRGreen
420 NORTH FRONT STREET, SUITE 100 | McHENRY, ILLINOIS 60050
Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED June 6 2019
Thomas Sanders
VILLAGE OF SPRING GROVE

PASSED July 10 2019
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW July 11 2019
REGIONAL ENGINEER

JEFFREY J. STRZALKA
062-060553
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
SEAL
JEFFREY J. STRZALKA, P.E.
EXPIRES: 11-30-19

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

PROJECT ENGINEER: J. STRZALKA
PROJECT MANAGER: S. BICKING

CONTRACT NO. 61F98

PLAN

SURVEYED
PLOTTED
ADJACENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

NOTE BOOK
NO.

BY

DATE

PROFILE

SURVEYED
PLOTTED
CROSS CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD

NOTE BOOK
NO.

BY

DATE

INDEX OF SHEETS

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
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630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
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701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006-00	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

DISTRICT ONE DETAILS

STANDARD NO.	LIST OF DESCRIPTION
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TC-13	DISTRICT ONE TYPICAL PAVEMENT PAVEMENT MARKINGS
BD-32	BUTT JOINT AND HMA TAPER DETAILS

GENERAL NOTES

1. ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, APRIL 1, 2016. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
2. ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
3. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT THEM TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
4. IT IS THE CONTRACTOR' S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
5. ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
6. FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES.
7. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURES HAVE BEEN TAKEN FROM FIELD MEASUREMENTS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS
8. THE CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE ENTRANCES ALONG THE LIMITS OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
9. SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS AND SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE IN THE PORTION REMAINING
10. DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W. UNLESS OTHERWISE NOTED.
11. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
12. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
13. ALL SIGNS TO BE REMOVED ALONG THE PROJECT SHALL REMAIN THE PROPERTY OF THE VILLAGE OF SPRING GROVE AND SHALL BE RETURNED TO THE VILLAGE UPON REMOVAL.
14. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY WITHOUT WRITTEN CONSENT FROM THE VILLAGE OF SPRING GROVE.
15. CONSTRUCTION WORK MAY BE PERFORMED MONDAY THRU FRIDAY DURING THE HOURS OF 7:00 A.M. TO 7:00 P.M. AND ON WEEKENDS FROM 8:00 A.M. TO 6:00 P.M. NO WORK MAY BE PERFORMED PRIOR OR BEYOND THIS PERIOD WITHOUT PRIOR WRITTEN APPROVAL FROM THE VILLAGE.
16. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE MOST RECENT VERSION OF THE ILLINOIS URBAN MANUAL. SEE EROSION NOTES AND DETAILS FOR ADDITIONAL INFORMATION.
17. WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
18. THE INDISCRIMINATE USE OF FIRE HYDRANTS, EXISTING STREAMS, CREEKS, WETLANDS, OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE CONTRACTOR PRIOR TO THE USE OF THE WATER.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY DRIVEN AIR AND HANDWORK WITH SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE MOTORING PUBLIC. WITHIN 24 HOURS OF PLACING PRIME COAT AND THE LAYING OF HMA, THE CONTRACTOR SHALL SWEEP THE PAVEMENT AND REMOVE STANDING WATER, EARTH, WEEDS, LEAVES, DIRT, CONSTRUCTION DEBRIS, AND ALL LOOSE MATERIAL.
20. GRADING AND SHAPING REQUIRED AT THE GUARDRAIL OR TERMINALS SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 202 AND 204 OF THE STANDARD SPECIFICATIONS.

HRG PROJECT NO.: 180485
HRG PROJ. CONTACT:
FILE NAME: 180485-sht-gen-0dgn
PLOT DRIVER: IL_pdf_bw.pltcfg
PEN TABLE: plotlabel.tbl

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USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/24/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
MAIN STREET

SCALE: N.T.S. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	2
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES CONTINUED

STORM SEWERS AND UTILITIES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

2. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

4. OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE PROPOSED SIDEWALK GRADE LINE (PGL).

5. OTHER THAN TO INSTALL AND REMOVE THE METHOD OF DEWATERING, NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CREEK SHALL BE ISOLATED FROM CREEK FLOWS AND DEWATERED PRIOR TO THE COMMENCEMENT OF WORK. THE DIVERSION/ISOLATION OF THE CREEK FLOWS MUST BE CONSTRUCTED FROM NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, ETC.). EARTHEN DIVERSIONS ARE NOT ALLOWED.

6. PRECAST CONCRETE BOX CULVERTS, 6' X 6' SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECFICATIONS AND THE APPLICABLE REQUIREMENTS OF AASHTO M 273.

7. LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER BOX SECTIONS ARE IN PLACE.

   FILL = VARIES FROM 1.9' TO 2.2' BETWEEN ROADWAY SECTIONS.

   LIVE LOAD = HL93.

8. ALL PIPE CULVERTS CLASS A, SHALL BE REINFORCED CONCRETE PIPE WITH FLEXIBLE GASKET MEETING THE REQUIREMENTS OF ASTMC361.

SIGNING AND STRIPING

1. SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.

2. THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.

3. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS.

4. ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED.

LANDSCAPING

1. TREES TO BE PROTECTED DURING CONSTRUCTION WILL BE IDENTIFIED BY THE ENGINEER AND RECEIVE PROTECTION IN ACCORDANCE WITH THE DETAILS PROVIDED IN THE PLANS.

2. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL PLANT MATERIAL WITH THE INSTALLATION OF OTHER IMPROVEMENTS SUCH AS HARDSCAPE ELEMENTS AND RELATED STRUCTURES. ANY DAMAGE TO EXISTING IMPROVEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR.

3. THE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS PRIOR TO INSTALLATION AND CONTACT THE RESIDENT ENGINEER FOR APPROVAL. FINAL LOCATION AND STAKING OF ALL PLANT MATERIALS SHALL BE APPROVED BY THE RESIDENT ENGINEER IN ADVANCE OF PLANTING. IF CONFLICTS ARISE BETWEEN THE SIZE OF AREAS AND PLANS, THE CONTRACTOR IS REQUIRED TO CONTACT THE RESIDENT ENGINEER FOR RESOLUTION PRIOR TO INSTALLATION.

4. ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1-2004). PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES. PLANTS PLANTED IN ROWS OR GROUPS SHALL BE MATCHED IN FORM. PLANTS SHALL NOT BE ROOT-BOUND OR LOOSE IN THEIR CONTAINERS. HANDLE ALL PLANTS WITH CARE IN TRANSPORTING, PLANTING AND MAINTENANCE UNTIL INSPECTION AND FINAL ACCEPTANCE.

UNITED STATES ARMY CORPS OF ENGINEERS NOTES

1. EARTHEN COFFERDAMS OR OTHER PRACTICES THAT WOULD RESULT IN A RELEASE OF SEDIMENT INTO WATERS OF THE U.S. ARE NOT AUTHORIZED FOR USE. COFFERDAMS SHALL BE CONSTRUCTED OF NON-ERODIBLE MATERIALS ONLY. ACCEPTABLE PRACTICES INCLUDE, BUT ARE NOT LIMITED TO: PRE-FABRICATED RIGID.

2. COFFERDAMS, SHEET PILING, INFLATABLE BLADDERS, SANDBAGS AND FABRIC-LINED BASINS. 1. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW ORNO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMALWATER ELEVATION.

3. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING ACOFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUABARRIERS, RIP RAP AND GEOTEXTILE FABRIC, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.

4. WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OFTHE MATERIALS NECESSARY FOR THE CONSTRUCTION OF THE COFFERDAM. THECOFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAYENTER THE WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOTBE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BECOFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY, WILL BENECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THECOFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAYENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.

5. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON ASTABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE.THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGYDISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOTCAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THEBYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENTCONSTRUCTION ACTIVITIES.

6. DURING DEWATERING OF THE COFFERED AREA, ALL WATER MUST BE FILTERED TOREMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLESYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS.WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THEDOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERINGDEVICE TO THE WATERWAY MUST BE IDENTIFIED. DISCHARGE WATER IS CONSIDEREDCLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OFWATER CLARITY.

7. THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATERELEVATION SHALL BE STABILISED AS SPECIFIED IN THE PLANS PRIOR TOACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBEDDUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PRE-CONSTRUCTIONCONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

COUNTY STORMWATER PERMIT REQUIREMENTS

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PREFORMED.

2. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

3. STABILIZATION BY SEEDING SHALL INCLUDE TOPSOIL PLACEMENT AND FERTILIZATION, AS NECESSARY.

4. NATIVE SEED MIXTURES SHALL INCLUDE RAPID-GROWING ANNUAL GRASSES OR SMALL GRAINS TO PROVIDE INITIAL, TEMPORARY SOIL STABILIZATION.

5. OFFSITE PROPERTY SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT CONCENTRATED DISCHARGE LOCATIONS ALONG THE LENGTH OF ANY OUTFALL CHANNEL, AS NECESSARY TO PREVENT EROSION.

6. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE DISTURBANCE OF TRIBUTARY AREAS.

7. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE, OR TEMPORARY CEASED ON ANY PORTION OF THE DEVELOPMENT SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION OF DISTURBED AREAS SHALL BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NO LATER THAN 14 CALENDAR DAYS FROM THE INITIATION OF STABLIZATION WORK IN THE AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS INSTANCES WHEN THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE AND IN AREAS WHERE CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD MAY BE USED.

8. DISTURBANCE OF STEEPS SLOPES SHALL BE MINIMIZED. AREAS OR EMBANKMENTS HAVING SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH STAKING IN PLACE SOD, EROSION CONTROL BLANKET IN COMBINATION WITH SEEDING, OR EQUIVALENT CONTROL MEASURE.

9. PERIMETER CONTROL MEASURES SHALL BE PROVIDED DOWNSLOPE AND PERPENDICULAR TO THE FLOW OF RUNOFF FROM DISTURBED AREAS, WHERE THE TRIBUTARY AREA IS GREATER THAN 5,000 SQUARE FEET, AND WHERE RUNOFF WILL FLOW IN A SHEET FLOW MANNER. PERIMETER EROSION CONTROL SHALL ALSO BE PROVIDED AT THE BASE OF SOIL STOCKPILES.

10. THE DRAINAGE SYSTEM SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION DOWNSLOPE FROM DISTURBED AREAS. INLET PROTECTION THAT REDUCES SEDIMENT LOADING, WHILE ALLOWING RUNOFF TO ENTER THE INLET SHALL BE REQUIRED FOR ALL STORM SEWERS. CHECK DAMS, OR AN EQUIVALENT CONTROL MEASURE, SHALL BE REQUIRED FOR ALL CHANNELS. FILTER FABRIC INLET PROTECTION AND STRAW BALE DITCH CHECKS ARE NOT ACCEPTABLE CONTROL MEASURES.

11. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES). THE ENGINEER AND THE WILL COUNTY SOIL AND WATER CONSERVATION DISTRICT SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.

12. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.

13. STOCKPILED SOIL AND MATERIALS SHALL BE REMOVED FROM FLOOD HAZARD AREAS AT THE END OF EACH WORK DAY. SOIL AND MATERIALS STOCKPILED IN IWMC OR BUFFER AREAS SHALL BE PLACED ON TIMBER MATS, OR AN EQUIVALENT CONTROL MEASURE.

14. EFFECTIVE CONTROL MEASURES SHALL BE UTILIZED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE DEVELOPMENT SITE. AT A MINIMUM, CONTROL MEASURES SHALL BE IMPLEMENTED IN ORDER TO:MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER.MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, VEHICLE FLUIDS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE DEVELPMENT SITE TO PRECIPITATION AND TO STORMWATER.

15. ADEQUATE RECEPTACLES SHALL BE PROVIDED FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL OR IWMC. THE DEVELPMENT SITE SHALL BE MAINTAINED FREE OF CONSTRUCTION MATERIAL DEBRIS.

16. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

17. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.

18. DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORMWATER MANAGEMENT SYSTEM.

19. ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.

20. DRAIN TILES WITHIN THE DISTURBED AREA OF THE DEVELOPMENT SHALL BE REPLACED, BYPASSED AROUND TEH DEVELOPMENT OR INTERCEPTED AND CONNECTED TO THE DRAINGE SYSTEM FOR THE DEVELOPMENT. THE SIZE OF THE REPLACED OR BYPASSED DRAIN TILE SHALL BE EQUIVALENT TO THE EXISTING DRAIN TILE.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BM. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

HRG PROJECT NO.: 180485
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PEN TABLE: plotbw1.tbl

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Illinois Professional Design Firm
184-001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED -	
	DRAWN - DMS	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE = 7/8/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
MAIN STREET

SCALE: N.T.S. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	3
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STE 80% FEDERAL 20% LOCAL 0028	CONSTRUCTION CODE SRTS 100% FEDERAL 0004
+	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	120	120	
+	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	116	116	
	20101000	TEMPORARY FENCE	FOOT	240.0	240.0	
* +	20101200	TREE ROOT PRUNING	EACH	5	5	
+	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	5	
+	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5	
	20200100	EARTH EXCAVATION	CU YD	135		135
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	385		385
	20400800	FURNISHED EXCAVATION	CU YD	65		65
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	25		25
	20800150	TRENCH BACKFILL	CU YD	40	40	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,915	2,915	
+	25000110	SEEDING, CLASS 1A	ACRE	0.70	0.70	
+	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	55	55	
+	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	55	55	
+	25100630	EROSION CONTROL BLANKET	SQ YD	2,915	2,915	

* SPECIAL PROVISION

\+ SPECIALTY ITEM

PLAN: NOTE BOOK NO. ___ SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — BY — DATE

PROFILE: NOTE BOOK NO. ___ SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHK'D — BY — DATE

HRG PROJECT NO.: 180485
HRG PROJ. CONTACT:
FILE NAME: 180485-sht-soq.dgn
PLOT DRIVER: IL_pdf_bw.pltcfg
PEN TABLE: pltlabel.tbl

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STE 80% FEDERAL 20% LOCAL 0028	CONSTRUCTION CODE SRTS 100% FEDERAL 0004
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	30	30	
28000305	TEMPORARY DITCH CHECKS	FOOT	135.0		135.0
28000400	PERIMETER EROSION BARRIER	FOOT	565.0	565.0	
28200200	FILTER FABRIC	SQ YD	65	65	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,070	1,070	
31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	110	110	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	301	301	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	242	242	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	33		33
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	80		80
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	9,627.0	9,627.0	
42400800	DETECTABLE WARNINGS	SQ FT	10.0		10.0
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	409	409	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	96	96	
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	35	35	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	214.0	214.0	

* SPECIAL PROVISION

\+ SPECIALTY ITEM

HRG PROJECT NO.: 180485
FILE NAME: 180485-sht-soq.dgn
PLOT DRIVER: il_pdf_bw.pltcfg
PEN TABLE: plotpdf.tbl

HRGreen.com
Illinois Professional Design Firm # 184 001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
MAIN STREET

SCALE: N.T.S. | SHEET 2 OF 5 SHEETS | STA. TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	5

CONTRACT NO. 61F98

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					STE 80% FEDERAL 20% LOCAL 0028	SRTS 100% FEDERAL 0004
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	72	72	
*	50105220	PIPE CULVERT REMOVAL	FOOT	162.0	162.0	
+	50901720	BICYCLE RAILING	FOOT	50.0	50.0	
	51100300	SLOPE WALL 6 INCH	SQ YD	45		45
	54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2		2
*	54010606	PRECAST CONCRETE BOX CULVERTS 6' X 6'	FOOT	45.0		45.0
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	7	7	
	542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	115.0	115.0	
	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	140		140
*	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1	
	60255500	MANHOLES TO BE ADJUSTED	EACH	1	1	
*	60600605	CONCRETE CURB, TYPE B	FOOT	195.0	195.0	
+	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	104.0	104.0	
+	63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	75.0	75.0	
+	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
	63200310	GUARDRAIL REMOVAL	FOOT	129.0	129.0	

* SPECIAL PROVISION

\+ SPECIALTY ITEM

PLAN: SURVEYED, DRAWN, TRACED, ALIGNMENT CHECKED, ELEV. NOTES CHKD, CADD FILE NAME, NOTE BOOK, NO.

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, STRUCTURES CHKD, PROFILES, NOTES CHKD, NOTE BOOK, NO.

HRG PROJECT NO.: 190485
HRG PROJ. CONTACT: JJS
FILE NAME: 190485-sht-sos.dgn
PLOT DATE: 7/8/2019
PLOT TABLE: 20010GMLTBL

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184-001322

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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
MAIN STREET

SCALE: N.T.S. | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	6
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STE 80% FEDERAL 20% LOCAL 0028	CONSTRUCTION CODE SRTS 100% FEDERAL 0004
	67100100	MOBILIZATION	L SUM	1	1	
*	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180	
+	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
+	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	645.0	645.0	
+	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8	
* +	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
* +	B0001716	TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6	
* +	B2006116	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6	
*	X0326806	WASHOUT BASIN	L SUM	1	1	
*	X0327487	TRIAXIAL GEOGRID REINFORCEMENT, TYPE I	SQ YD	62		62
*	X0327584	GRADING AND SHAPING SHOULDERS, SPECIAL	FOOT	420.0	420.0	
*	X0964700	SHOULDERS, SPECIAL	SQ YD	110	110	
*	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	50	50	
*	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	4	
*	X4810200	AGGREGATE SHOULDER REMOVAL	CU YD	50	50	
*	X6026624	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	3		3

* SPECIAL PROVISION

\+ SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					STE 80% FEDERAL 20% LOCAL 0028	SRTS 100% FEDERAL 0004
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
* +	X8440116	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	EACH	1	1	
*	X8780105	CONCRETE FOUNDATIONS (SPECIAL)	EACH	6	6	
*	XX008550	REMOVE AND REPLACE STONE RIP RAP	SQ YD	69		69
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
*	Z0029604	HEADWALL REMOVAL	EACH	7		7
*	XX009325	TEMPORARY FLOW BYPASS	L SUM	1		1

* SPECIAL PROVISION

+ SPECIALTY ITEM

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, DATA VERIFIED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, DATA VERIFIED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

HRG PROJECT NO.: 180485
HRG PROJ. CONTACT:
FILE NAME: 180485-sht-sao.dgn
PLOT DRIVER: IL_prf_bw.pltcfg
PEN TABLE: platlabel.tbl

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USER NAME = jstrzal	DESIGNED - JJS	REVISED -
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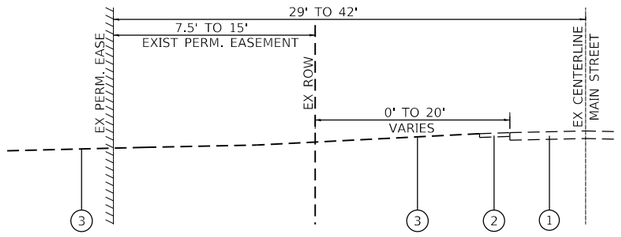
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/24/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

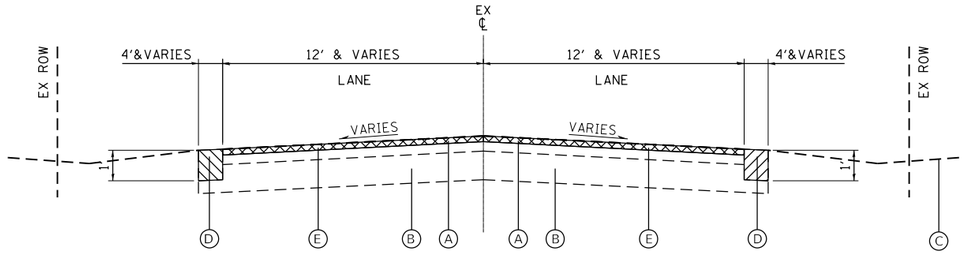
SUMMARY OF QUANTITIES
MAIN STREET

SCALE: N.T.S. | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	8
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



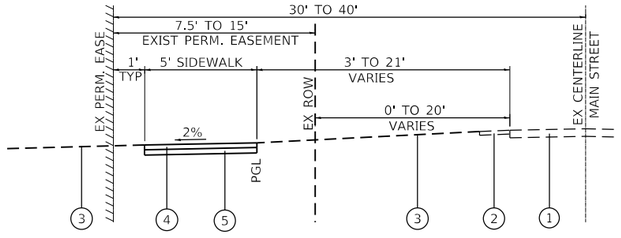
EXISTING SIDEWALK TYPICAL SECTION
MAIN STREET SAFE ROUTES TO SCHOOL
STA. 100+12.29 TO STA. 119+38.21 (PGL SIDEWALK)
STA. 1000+67.52 TO STA. 1019+89.17 (ROADWAY ℄)



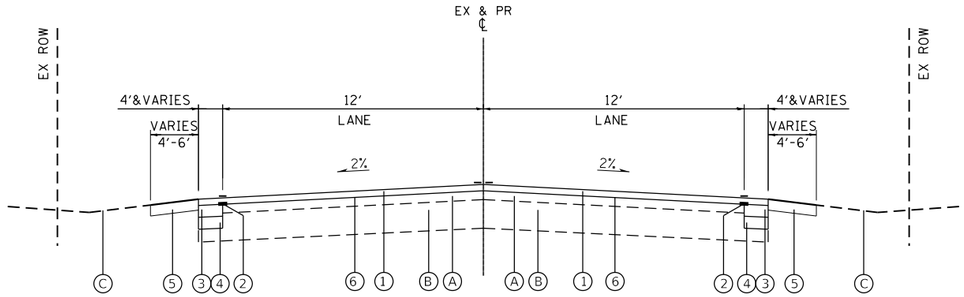
EXISTING ROADWAY TYPICAL SECTION
STA. 1018+22.43 TO STA. 1019+70.31 (ROADWAY ℄)

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT; ±7"
- (B) EXISTING AGGREGATE BASE COURSE; |12"
- (C) EXISTING GROUND
- (D) AGGREGATE SHOULDER REMOVAL; 12" (PER CU YD)
- (E) HOT-MIX ASPHALT SURFACE REMOVAL; 2"



PROPOSED SIDEWALK TYPICAL SECTION
MAIN STREET SAFE ROUTES TO SCHOOL
STA. 100+12.29 TO STA. 119+38.21 (PGL SIDEWALK)
STA. 1000+67.52 TO STA. 1019+89.17 (ROADWAY ℄)



PROPOSED ROADWAY TYPICAL SECTION
STA. 1018+22.43 TO STA. 1019+70.31 (ROADWAY ℄)

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2" (PER TON)
- (2) STRIP REFLECTIVE CRACK CONTROL TREATMENT; 24" WIDTH (PER FOOT)
- (3) PORTLAND CEMENT CONCRETE BASE COURSE 6" (PAID PER SQ YD AS SHOULDERS, SPECIAL)
- (4) AGGREGATE BASE COURSE, TYPE B 6 (PAID PER SQ YD AS SHOULDERS, SPECIAL)
- (5) GRADING AND SHAPING SHOULDERS, SPECIAL (PER FOOT)
- (6) BITUMINOUS MATERIALS (TACK COAT)

LEGEND

- (1) EXIST. ASPHALT PAVEMENT
- (2) EXIST. SHOULDER
- (3) EXIST. GROUND
- (4) PROP. P.C. CONCRETE SIDEWALK, 5 INCH
- (5) PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 4 INCH

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
CLASS D PATCHES	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 5"	4.0% @ 70 GYR.
DRIVEWAYS & RESURFACING	
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	3.5% @ 50 GYR.

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUATITIES IS 112 LBS/SQ YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22", UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

PLAN / PROFILE — SURVEYED, PLOTTED, QUANTITIES CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE, BM. NOTED, STRUCTURE NOTATNS CHKD

HRG PROJECT NO.: i80485
HRG PROJ. CONTACT: i80485-sht-typ-0.dgn
FILE NAME: IL_pdf_bw_plt.cfg
PLOT DRIVER: platlabel.tbl
PEN TABLE:

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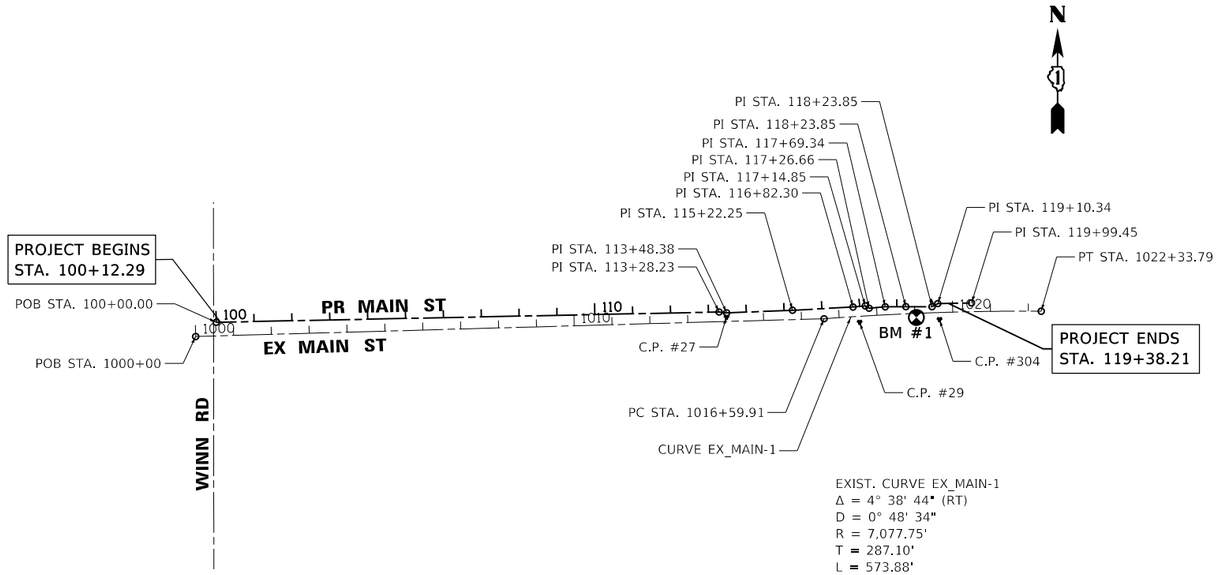
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED TYPICAL SECTIONS
MAIN STREET

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	9
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EXIST. CURVE EX_MAIN-1
Δ = 4° 38' 44" (RT)
D = 0° 48' 34"
R = 7,077.75'
T = 287.10'
L = 573.88'
E = 5.82'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 1016+59.91
N: 2068820.36
E: 988871.51
PI STA. = 1019+47.01
N: 2069182.70
E: 988871.06
P.T. STA. = 1022+33.79
N: 2069185.81
E: 989233.39

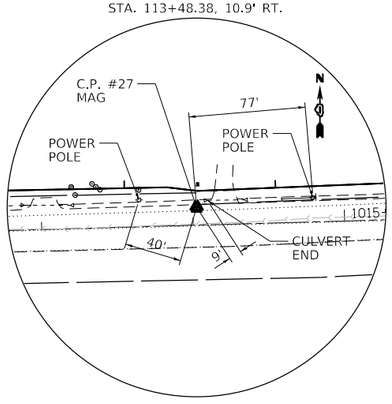
BENCHMARKS

BENCHMARK 1: CUT X IN EAST END OF SOUTH HEADWALL OF THE MAIN STREET CULVERT OVER CREEK.
ELEVATION = 759.29 (NAVD 88)

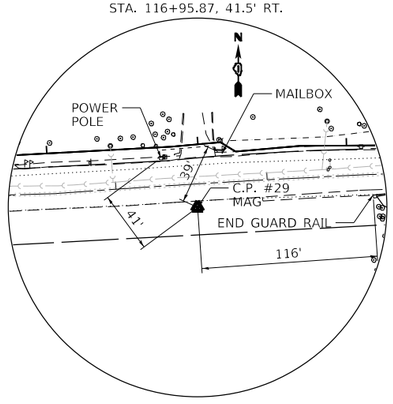
ALIGNMENT COORDINATES - EX MAIN STREET				
	STATION	N	E	BEARING
POB	1000+00.00	2,104,522.9037	1,007,375.0966	N 88° 22' 53.75" E
PC	1016+59.91	2,104,569.7840	1,009,034.3440	N 85° 41' 24.42" E
PI	1019+47.01	2,104,591.3596	1,009,320.6300	S 89° 39' 51.12" E
PT	1022+33.79	2,104,589.6770	1,009,607.7230	

ALIGNMENT COORDINATES - PR MAIN STREET				
	STATION	N	E	BEARING
POB	100+00.00	2,104,560.2875	1,007,429.2833	N 88° 49' 38.38" E
PI	113+28.23	2,104,587.4705	1,008,757.2354	S 83° 21' 49.65" E
PI	113+48.38	2,104,585.1417	1,008,777.2520	N 87° 42' 27.42" E
PI	115+22.25	2,104,592.0963	1,008,950.9818	N 86° 54' 45.20" E
PI	116+82.30	2,104,600.7166	1,009,110.8007	N 84° 41' 09.47" E
PI	117+14.85	2,104,603.7312	1,009,143.2109	S 58° 17' 29.27" E
PI	117+26.66	2,104,597.5264	1,009,153.2541	N 84° 55' 48.38" E
PI	117+69.34	2,104,601.2984	1,009,195.7711	N 89° 38' 27.41" E
PI	118+23.85	2,104,601.6400	1,009,250.2758	S 89° 45' 46.81" E
PI	118+92.91	2,104,601.3543	1,009,319.3394	N 61° 02' 01.33" E
PI	119+10.34	2,104,609.7960	1,009,334.5897	N 88° 59' 37.13" E
POE	119+99.45	2,104,611.3610	1,009,423.6840	

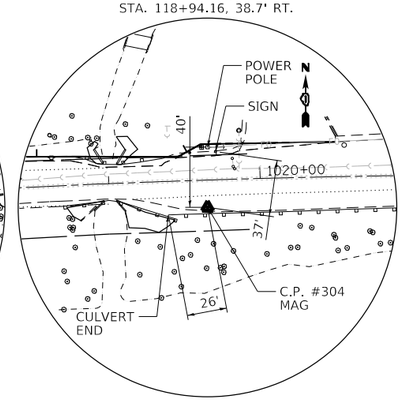
CONTROL POINT #27
N: 2104574.22
E: 1008776.74
ELEV: 763.65
STA. 113+48.38, 10.9' RT.



CONTROL POINT #29
N: 2104560.70
E: 1009128.15
ELEV: 759.41
STA. 116+95.87, 41.5' RT.



CONTROL POINT #304
N: 2104568.28
E: 1009339.16
ELEV: 759.14
STA. 118+94.16, 38.7' RT.



PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME; NOTE BOOK, NO.; BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD; NOTE BOOK, NO.; BY, DATE

HRG PROJECT NO.: i80485
HRG PROJ. CONTACT:
FILE NAME: i80485-sht-ATB.dgn
PLOT DRIVER: IL_pdf_bw.ptrcfg
PEN TABLE: plotlabel.tbl

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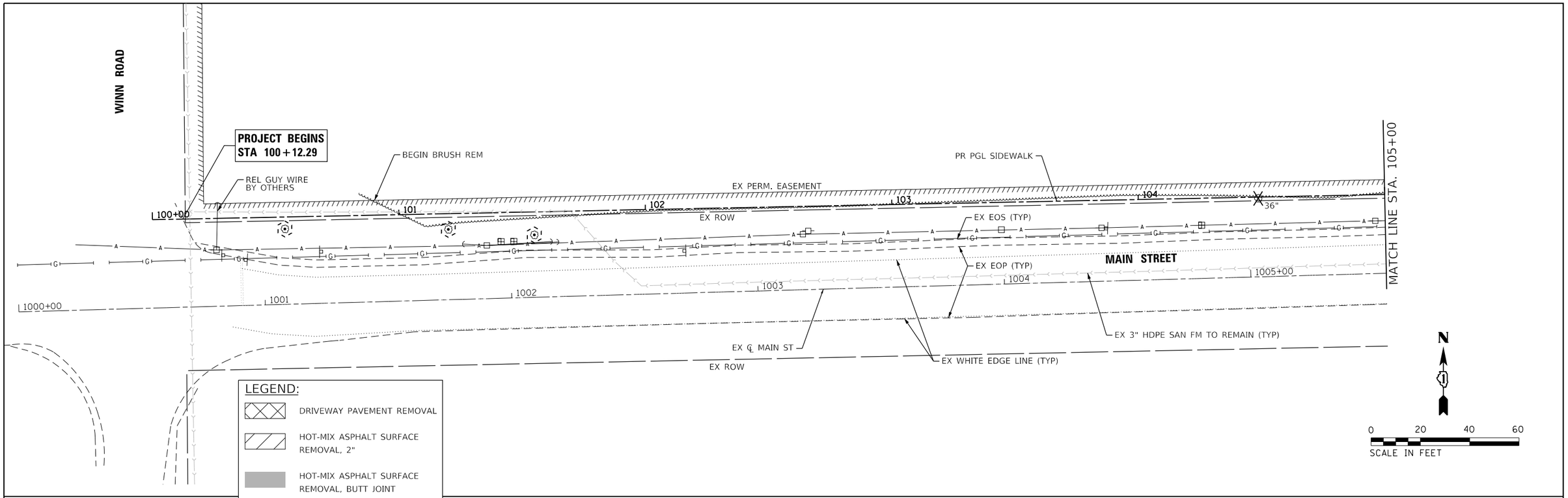
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
MAIN STREET

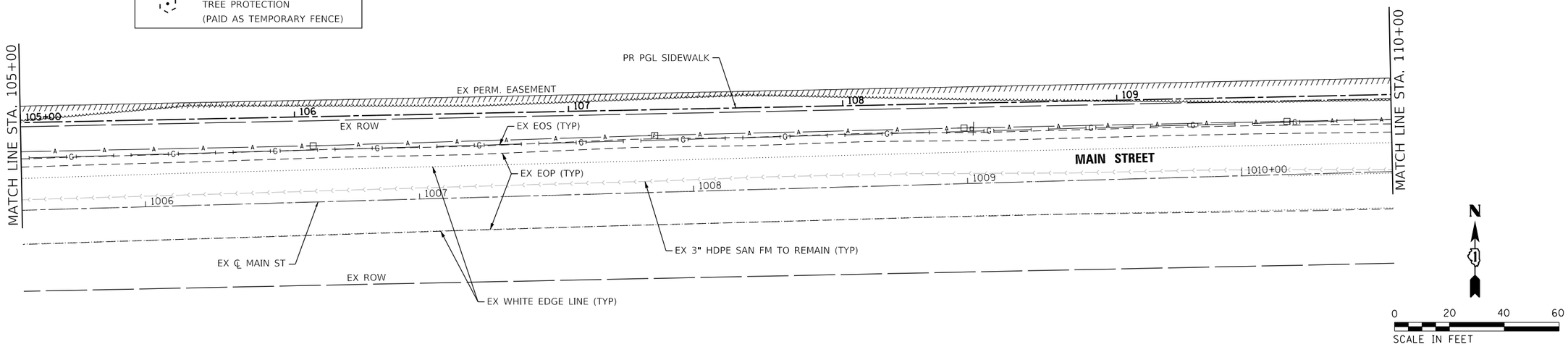
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. 100+12.29 | TO STA. 119+38.21

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	10
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND:

- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- ADJ — STRUCTURE TO BE ADJUSTED
- R — STRUCTURE TO BE REMOVED
- CULVERT REMOVAL
- X" — TREE REMOVAL
- TREE PROTECTION (PAID AS TEMPORARY FENCE)



PLAN: SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

PROFILE: SURVEYED — PLOTTED — GRADES CHECKED — E.M. NOTED — STRUCTURE NOTATNS CHKD — NOTE BOOK — NO. — BY — DATE

HRG PROJECT NO.: I80485
HRG PROJ.CONTACT: I80485-sht-rem-01.dgn
FILE NAME: IL_pdf.bw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

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184-001322

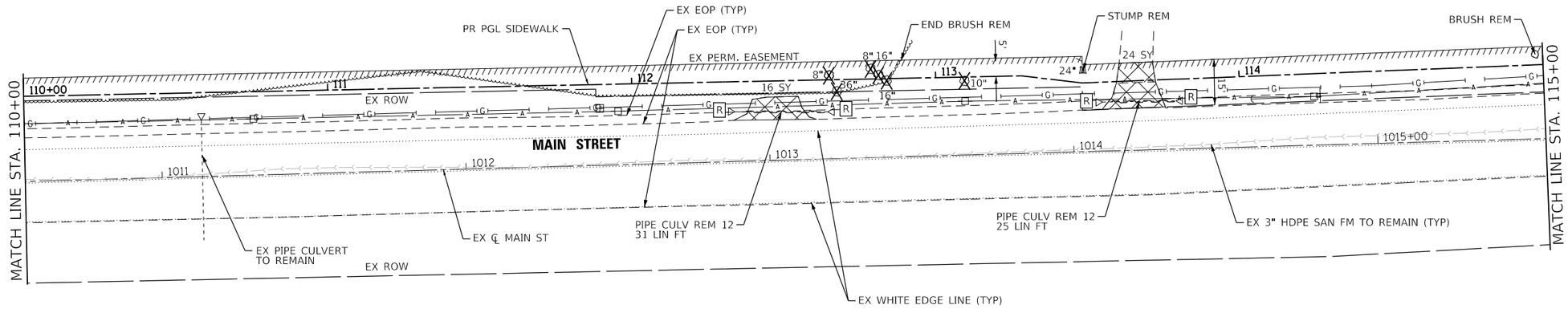
USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

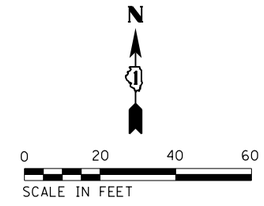
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
MAIN STREET

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 100+12.29 TO STA. 110+00.00

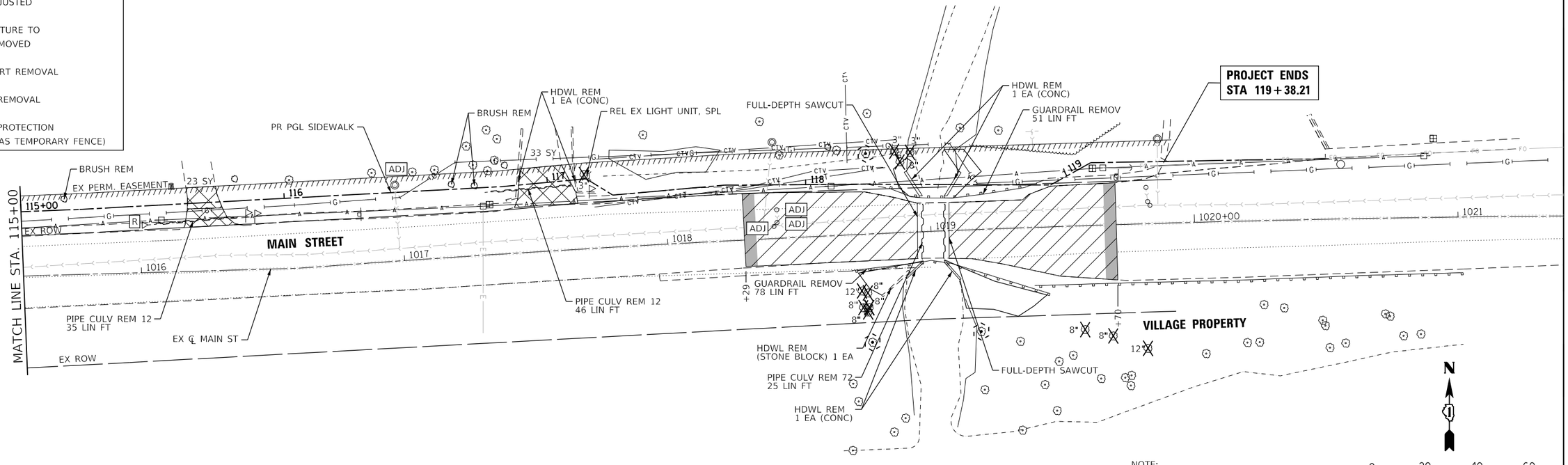
F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	11
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





LEGEND:

- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- ADJ — STRUCTURE TO BE ADJUSTED
- R — STRUCTURE TO BE REMOVED
- CULVERT REMOVAL
- TREE REMOVAL
- TREE PROTECTION (PAID AS TEMPORARY FENCE)



NOTE:
THE DISTURBANCE OF VEGETATION SHALL BE KEPT TO A MINIMUM.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, CROSS SECTIONS CHECKED, BAR. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

HRG PROJECT NO.: i80485
HRG PROJ. CONTACT: i80485-sht-rem-02.dgn
FILE NAME: il_pdf_bw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

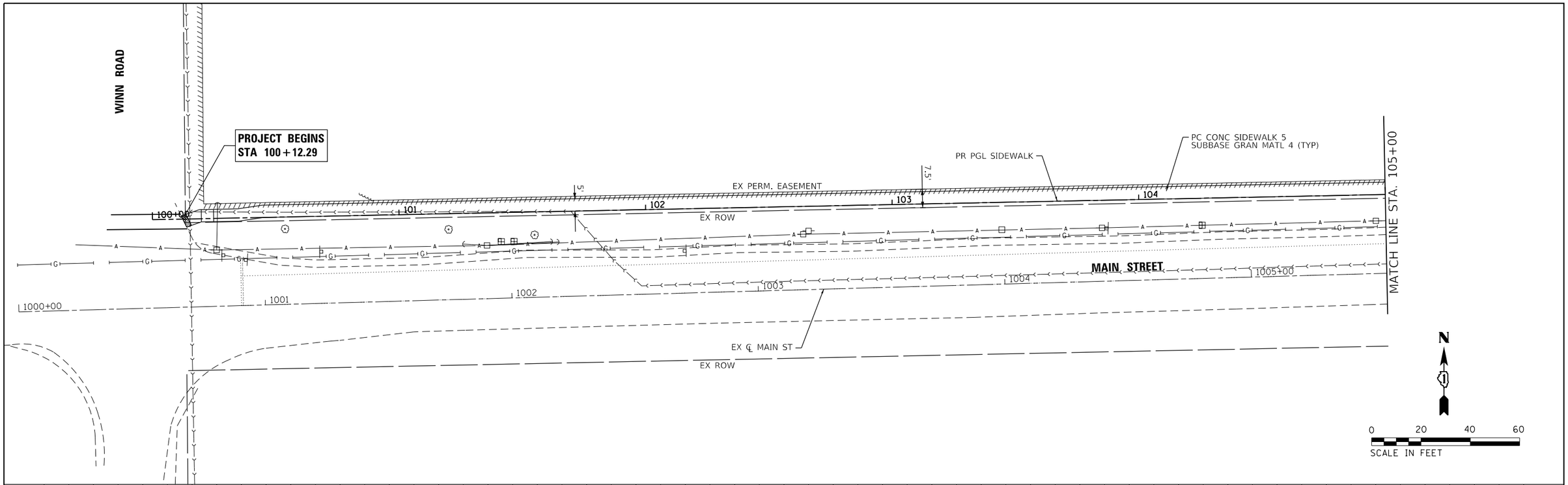
USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

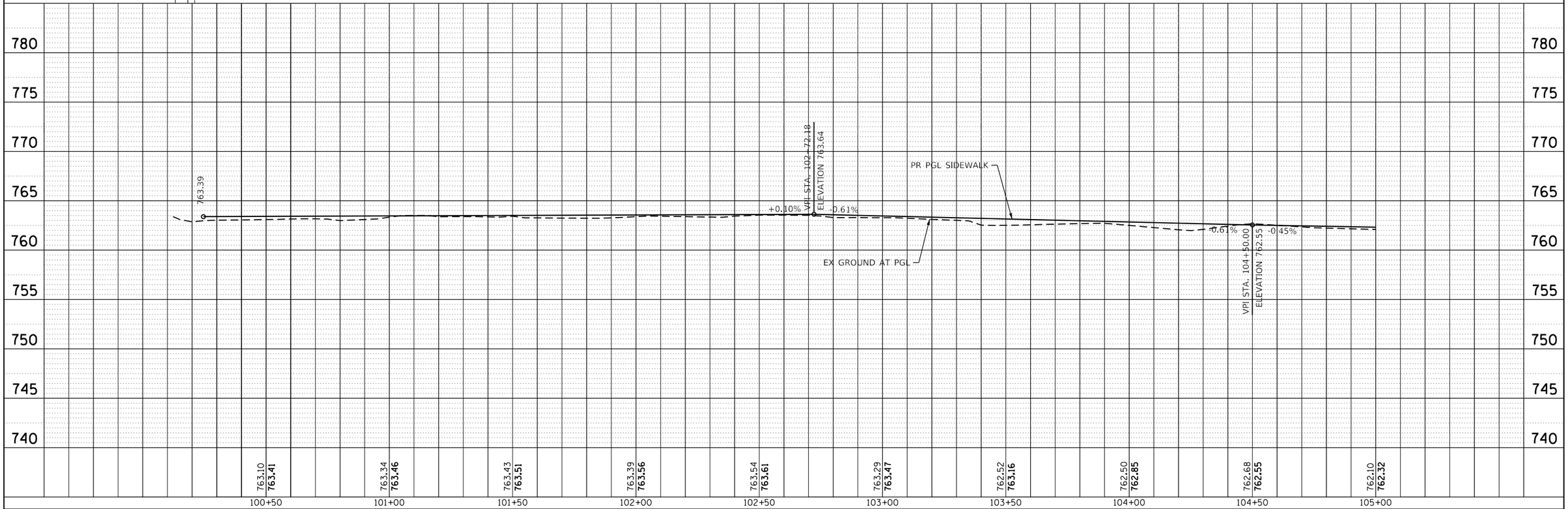
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
MAIN STREET

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 110+00.00 TO STA. 119+38.21

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	12
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PLAN
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PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
BAR. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

HRG PROJECT NO.: i80485
HRG PROJ. CONTACT: i80485-sht-plnprf-01.dgn
FILE NAME: il_pdf_bw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

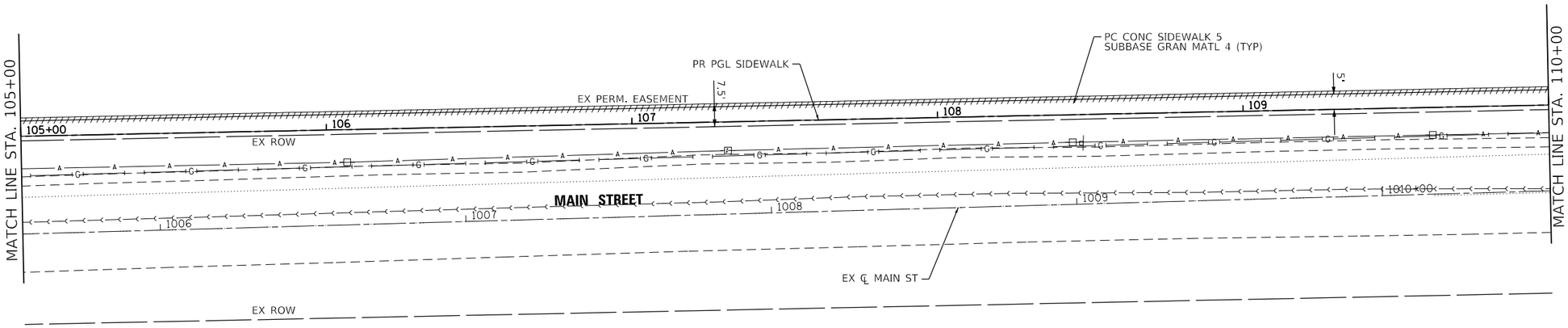
USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

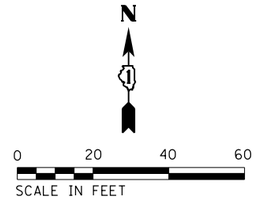
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

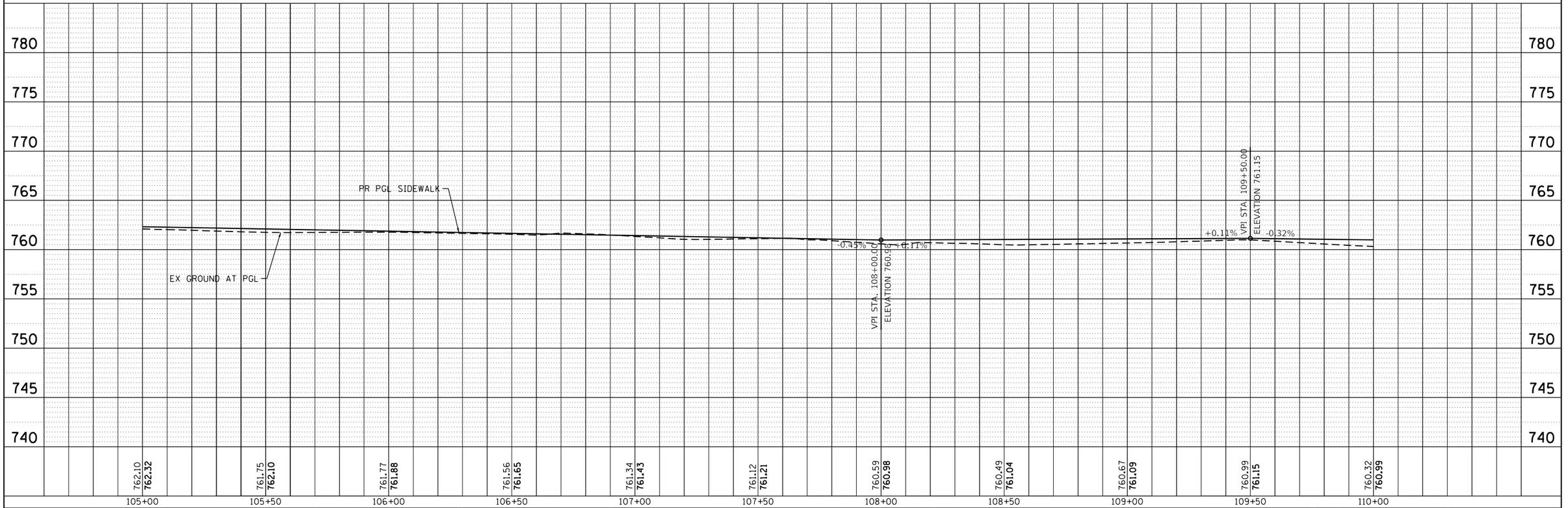
SIDEWALK PLAN AND PROFILE
MAIN STREET

SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. 100+12.29 TO STA. 105+00.00

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	13
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		







PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / DESIGN CHECKED / BM. NOTED / STRUCTURE NO(S) CHKD / NOTE BOOK / NO. / BY / DATE

HRG PROJECT NO.: i80485
HRG PROJ. CONTACT: i80485-sht-plnprf-02.dgn
FILE NAME: il_pdf_bw.pltcfg
PLOT DRIVER:
PEN TABLE: plotlabel.tbl

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

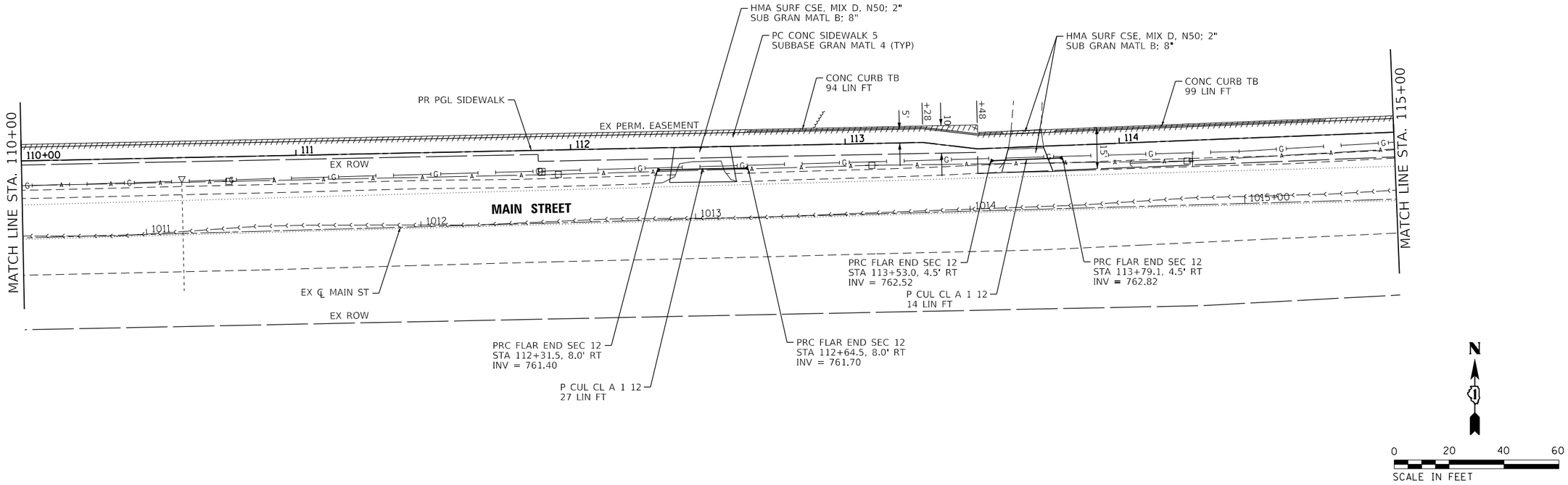
USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

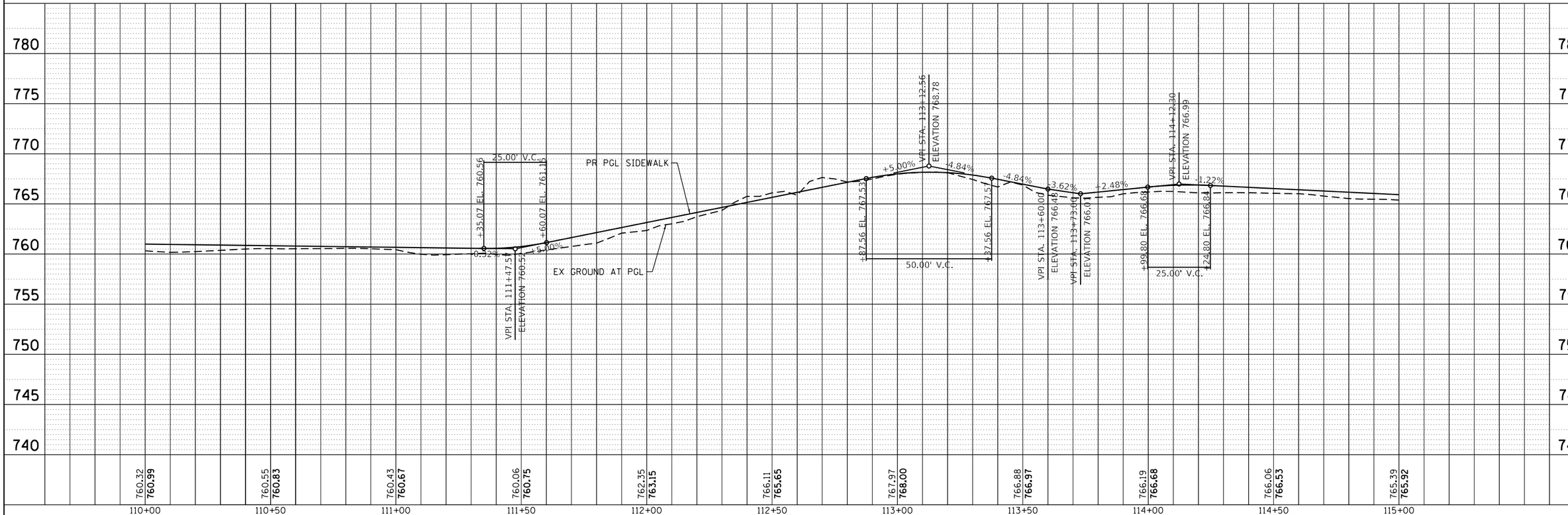
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK PLAN AND PROFILE
MAIN STREET

SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. 105+00.00 TO STA. 110+00.00

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	14
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PLAN — SURVEYED; PLOTTED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE — SURVEYED; PLOTTED; GRADES CHECKED; BAR. NOTED STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

HRG PROJECT NO.: i80485
HRG PROJ. CONTACT: i80485-sht-plnprf-01.dgn
FILE NAME: il_pdf_bw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

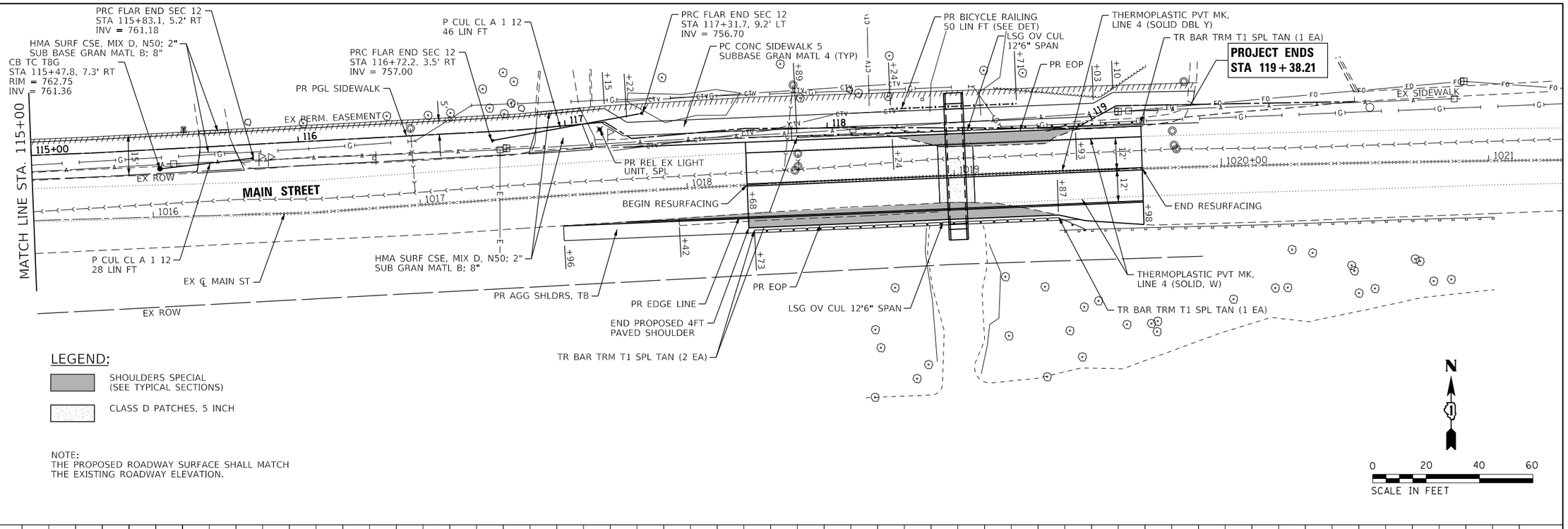
USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

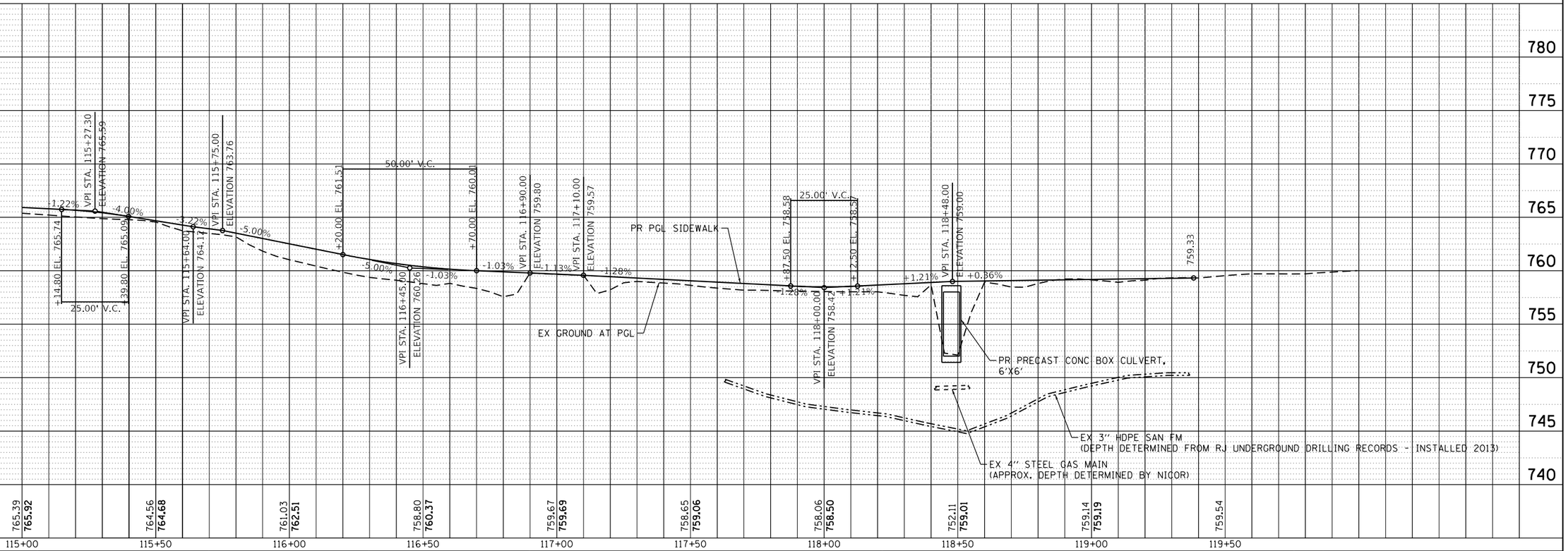
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK PLAN AND PROFILE
MAIN STREET

SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STA. 110+00.00 TO STA. 115+00.00

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	15
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





PLAN
NOTE BOOK
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PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
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SURVEYED
PLOTTED
PROFILE CHECKED
BAR. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

HRG PROJECT NO: 180485
HRG PROJ. CONTACT: 180485-sht-pinprf-04.dgn
FILE NAME: IL_pdf_bwptcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK PLAN AND PROFILE
MAIN STREET

SCALE: 1"=20' | SHEET 4 OF 4 SHEETS | STA. 115+00.00 TO STA. 119+38.21

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	16
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN
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ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CROSSES CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

HRG PROJECT NO.: 180485
HRG PROJ. CONTACT: 180485-sht-CulvPln-dgn
FILE NAME: IL_pdf_bw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

N

REMOVE & REPLACE STONE RIPRAP

SLOPEWALL 6-INCH (SQ YD)

0 20 40 60
SCALE IN FEET

FLOODPLAIN LIMIT
FLOODWAY LIMIT
WETLAND BOUNDARY
TEMP STREAM DIVERSION WITH PUMP BYPASS (SEE DETAILS FOR DEWATERING)
WATER EDGE ELEV = 753.2 (05/04/2017)
PR PRECAST END SECTION, 6'X6'
INV ELEV = 750.50
F/L ELEV = 751.50
T/P ELEV = 757.08
FLOODPLAIN LIMIT
FLOODWAY LIMIT
PROJECT ENDS STA 119+38.21
PR PGL SIDEWALK
EX PERM. EASEMENT
EX PERM. EASEMENT
MAIN STREET
EX ℄ MAIN ST
45 LIN FT PR PRECAST CONCRETE BOX CULVERT, 6'x6' (12" SUMP)
INV ELEV = 750.00
F/L ELEV = 751.00
T/P ELEV = 756.58
PR PRECAST END SECTION, 6'X6'
WETLAND BOUNDARY
FLOODWAY LIMIT
WETLAND BOUNDARY
FLOODWAY LIMIT
WATER EDGE ELEV = 749.8 (03/29/2018)

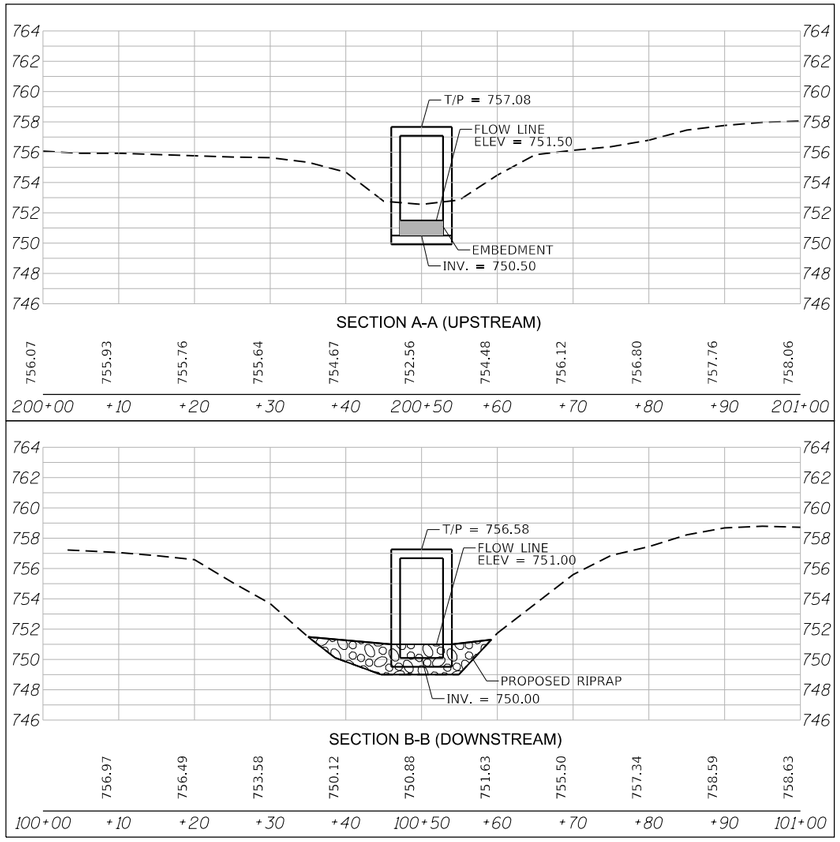
HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = jstrzal	DESIGNED - JJS	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE = 7/8/2019	DATE -	REVISED -

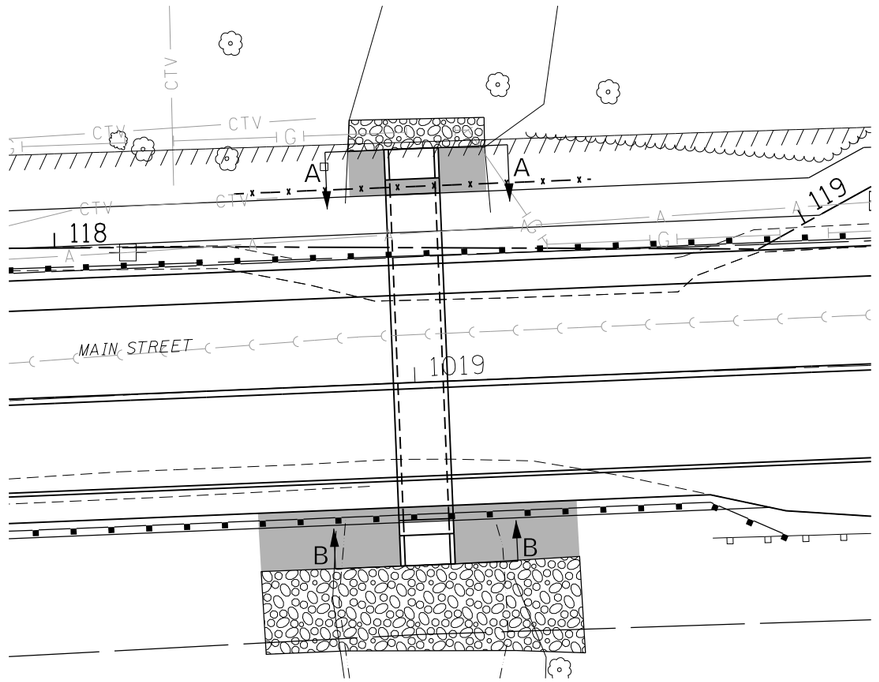
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

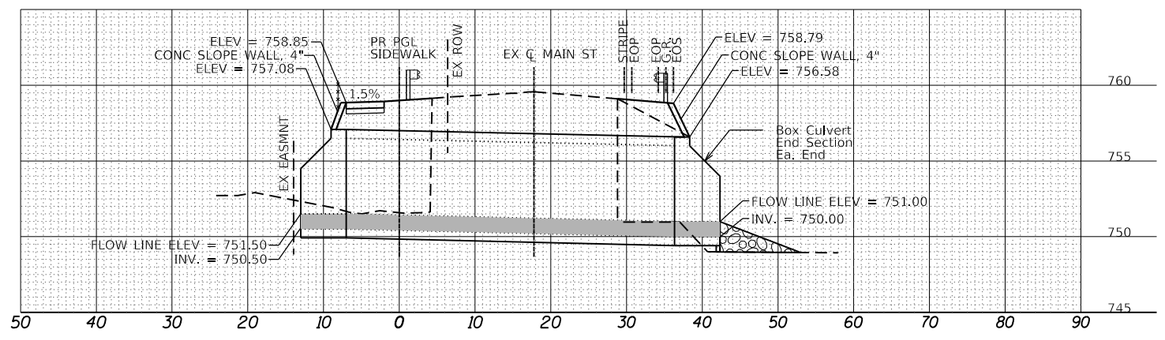
CULVERT PLAN
MAIN STREET

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	17
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		







CULVERT CROSS SECTION

PLAN
SURVEYED
PLOTTED
QUANTS CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
QUANTS CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

HRG PROJECT NO.: 180485
HRG PROJ. CONTACT:
FILE NAME: 180485-sht-CulvSections.dgn
PLOT DRAVER: IL_pdf_bw.pltcfg
PEN TABLE: plotlabel.tbl

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

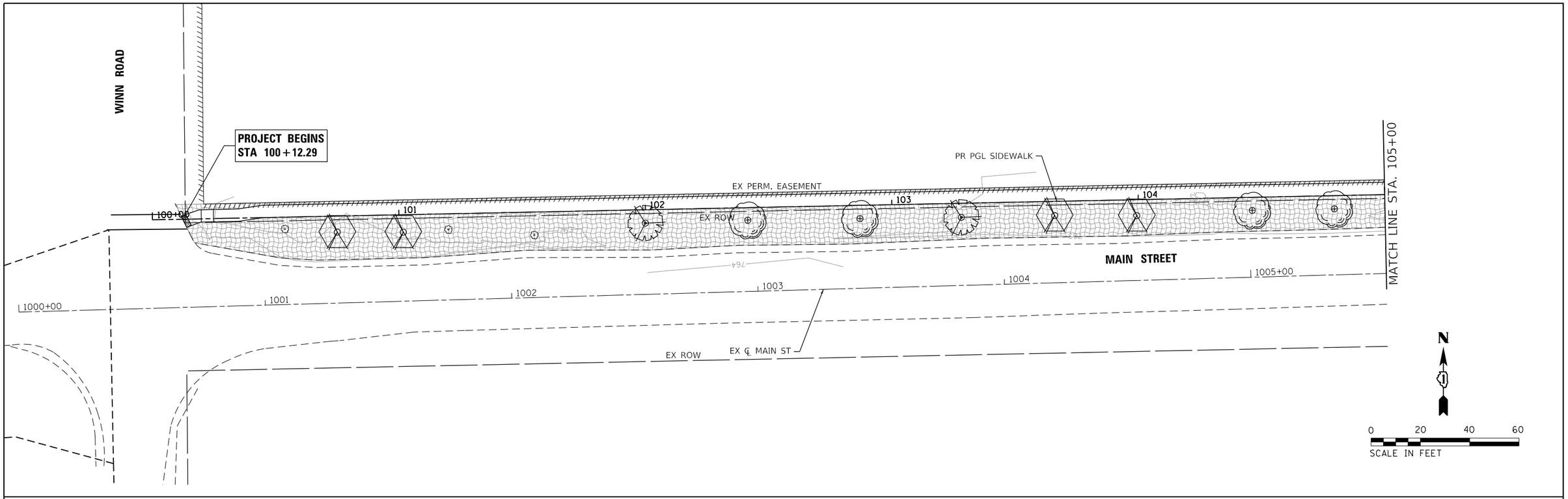
USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS
MAIN STREET

SCALE: N.T.S. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	18
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN
DATE
BY
SURVEYED
PLOTTED
DRAWN CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

LEGEND:

- EROSION BLANKET DS150 OR S75 (SQ YD) TOPSOIL, FURNISH AND PLACE, 4" (SQ YD) SEEDING, CLASS 2A
- CONCRETE SLOPEWALL
- TEMPORARY DITCH CHECK (FT)
- PERIMETER EROSION BARRIER)FT)

- QUERUS BICOLOR (SWAMP WHITE OAK), 2" CAL, B&B
- SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 2" CAL, B&B
- AMELANCHIER X GRANDIFLORA APPLE (APPLE SERVICEBERRY), 2" CAL, B&B

PROFILE
DATE
BY
SURVEYED
PLOTTED
DRAWN CHECKED
BM. NOTED
STRUCTURE NO'S CHKD
NOTE BOOK
NO.

HRG PROJECT NO.: 180485
HRG PROJ. CONTACT: 180485-shtrest-01.dgn
FILE NAME: il_pdf_bw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

HRGreen
HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED -
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PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION & RESTORATION PLAN
MAIN STREET

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 100+12.29 TO STA. 110+00.00

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	19
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN

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PLOTTED	DATE
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RT. OF WAY CHECKED	
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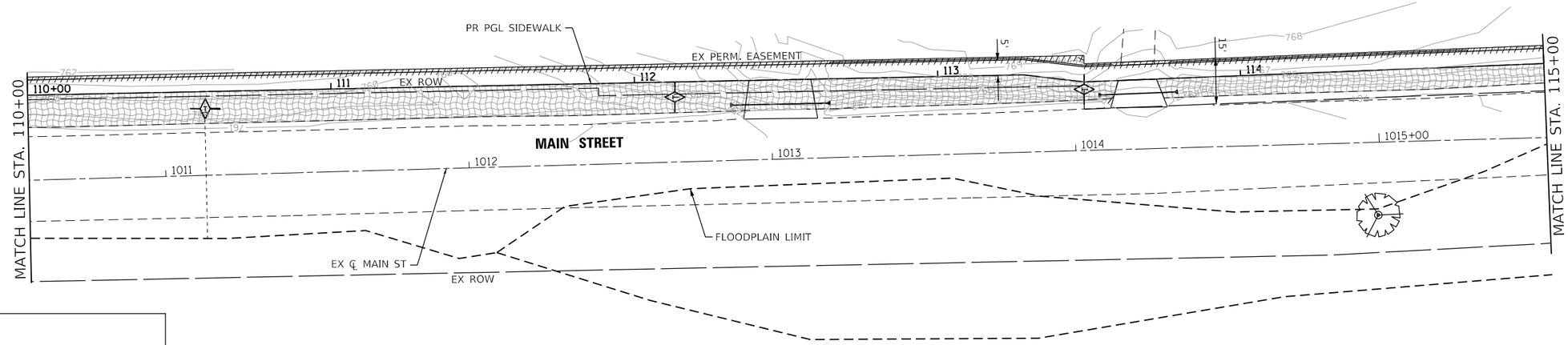


LEGEND:

- EROSION BLANKET DS150 OR S75 (SQ YD) TOPSOIL, FURNISH AND PLACE, 4" (SQ YD) SEEDING, CLASS 2A
- SLOPEWALL 6-INCH (SQ YD)
- TEMPORARY DITCH CHECK (FT)
- PERIMETER EROSION BARRIER)FT)

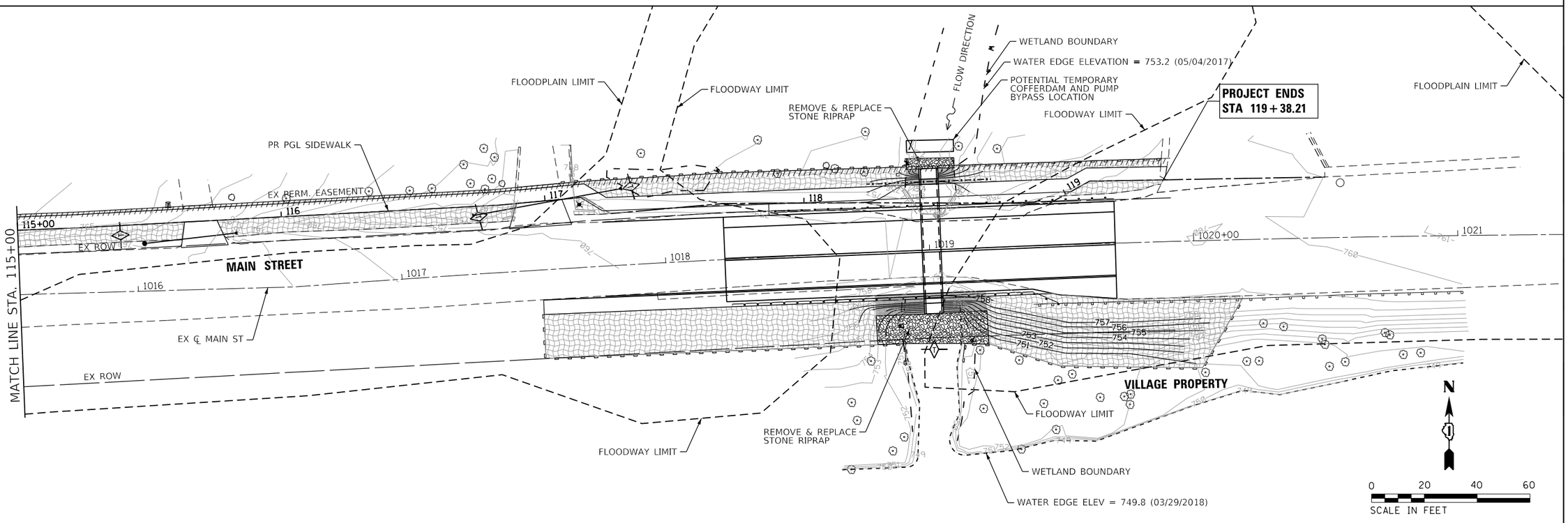
N

0 20 40 60

SCALE IN FEET

PROFILE

SURVEYED	BY
PLOTTED	DATE
ALIGNMENT CHECKED	
ISM. NOTED	
STRUCTURE NOTATNS CHKD	
NOTE BOOK	
NO.	



N

0 20 40 60

SCALE IN FEET

HRG PROJECT NO.: 180485
HRG PROJ. CONTACT: JJS
FILE NAME: 180485-sht-rest-02.dgn
PLOT DRIVER: IL_pdf_bw.pltcfg
PEN TABLE: plotlabel.tbl

HRGreen

HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION & RESTORATION PLAN
MAIN STREET

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 110+00.00 TO STA. 119+38.21

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	20
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGNING LEGEND

(1) W20-2-4848 — DETOUR AHEAD — Main Street

(2) W20-3(O)-4848 — ROAD CLOSED AHEAD

(3) W20-3(O)-4848 — ROAD CLOSED 500 FT

(4)	EAST / Main Street / DETOUR ↑	M3-1(O)-2412 24"X18" M4-9-3024	(9)	WEST / Main Street / DETOUR ↑	M3-3(O)-2412 24"X18" M4-9-3024
(5)	EAST / Main Street / DETOUR ←	M3-1(O)-2412 24"X18" M4-9-3024	(10)	WEST / Main Street / DETOUR ←	M3-3(O)-2412 24"X18" M4-9-3024
(6)	EAST / Main Street / DETOUR ←	M3-1(O)-2412 24"X18" M4-9-3024	(11)	WEST / Main Street / DETOUR ←	M3-3(O)-2412 24"X18" M4-9-3024
(7)	EAST / Main Street / DETOUR ↱	M3-1(O)-2412 24"X18" M4-9-3024	(12)	WEST / Main Street / DETOUR ↱	M3-3(O)-2412 24"X18" M4-9-3024
(8)	EAST / Main Street / DETOUR →	M3-1(O)-2412 24"X18" M4-9-3024	(13)	WEST / Main Street / DETOUR →	M3-3(O)-2412 24"X18" M4-9-3024
(14E)	EAST / Main Street / END DETOUR	M4-8A(O) 24"X18"			
(14W)	WEST / Main Street / END DETOUR	M4-8A(O) 24"X18"			

(15) R11-2-4830 — ROAD CLOSED

(15L) R11-4 M4-10L-4818 — ROAD CLOSED TO THRU TRAFFIC / DETOUR

(15R) R11-4 M4-10R-4818 — ROAD CLOSED TO THRU TRAFFIC / DETOUR

(16) EFFECTIVE [DATE] / Main Street CLOSED BETWEEN Winn Road AND Blivin Street — 60"X18" / 60"X24" MINIMUM 5" LETTERS ON ORANGE REFLECTIVE BACKGROUND

NOTES:

DETOUR SIGNAGE SHALL NOT BE INSTALLED ON ANY MCHENRY COUNTY DIVISION OF TRANSPORTATION (MCDOT) STREET LIGHT POLES OR SIGNAL POLES. IF THEY ARE FOUND TO BE INSTALLED ON MCDOT POLES, THEY WILL BE IMMEDIATELY REMOVED.

DETOUR SIGNAGE SHALL NOT BLOCK ANY MCDOT SIGNS AND CANNOT USE THE MCDOT SIGN POSTS.

SIGN POSTS SHALL BE INSTALLED AT LEAST TWELVE (12) FEET FROM THE EDGE OF THE MAINLINE ROADWAY (WHITE PAINTED EDGELINE).

CONTACT AND NOTIFY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION (MCDOT) AT (815) 334-4960 AT LEAST 48 HOURS IN ADVANCE OF PLACING SIGNAGE ALONG THE COUNTY HIGHWAY(S).

DETOUR SIGN INSTALLATION CONTRACTOR SHALL CALL JULIE FOR UTILITY LOCATES. MCDOT MAY HAVE STORM DRAIN, SIGNAL AND LIGHTING FACILITIES IN THESE AREAS THAT COULD REQUIRE LOCATES. CONTACT JULIE AT (800) 892-0123.

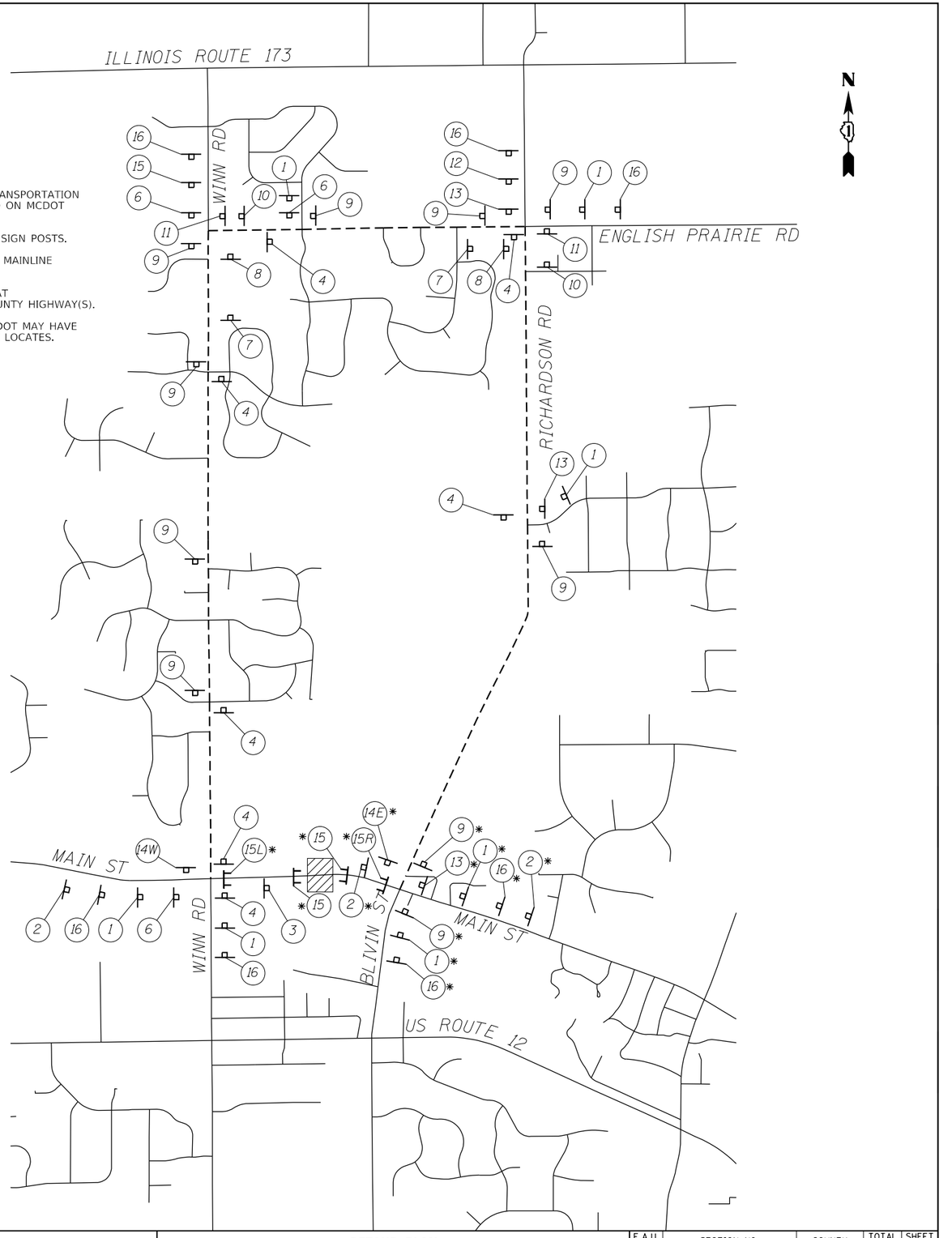
* SIGNS ARE TO BE MOUNTED ABOVE BARRICADE RAILS.

DETOUR LEGEND

- DETOUR ROUTE
- WORK ZONE (CULVERT REPLACEMENT)
- DETOUR GUIDE SIGN
- BARRICADE, TYPE III

NOTE:

THE WORK REQUIRED TO FURNISH, ERECT, MAINTAIN AND REMOVE ALL APPLICABLE TRAFFIC CONTROL DEVICES ALONG THE DETOUR ROUTE SHALL BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).



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Illinois Professional Design Firm # 184-001322

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	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
MAIN STREET

SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
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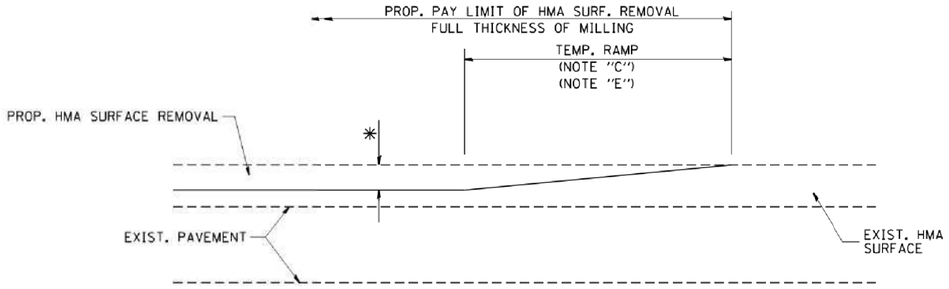
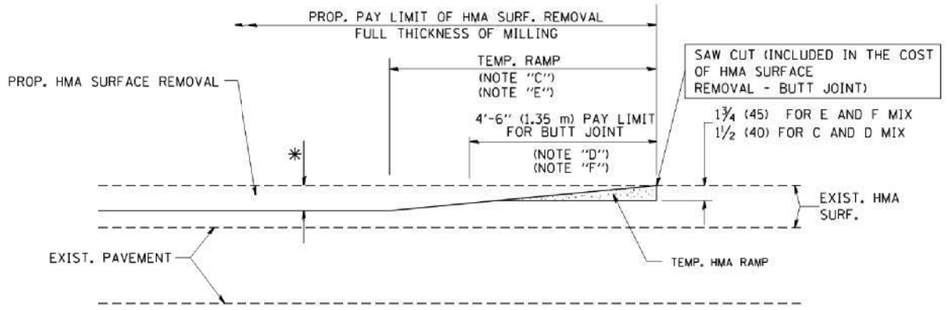
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

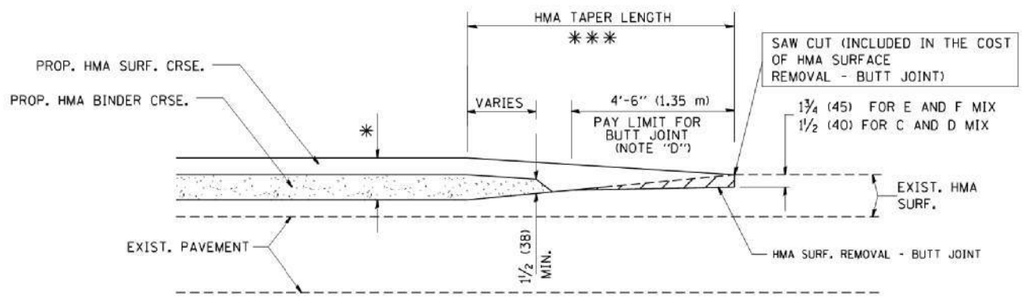


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

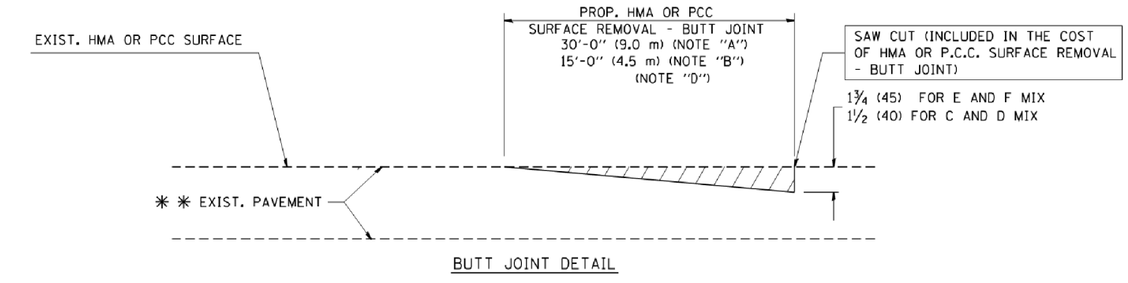
OPTION 2

TYPICAL TEMPORARY RAMP

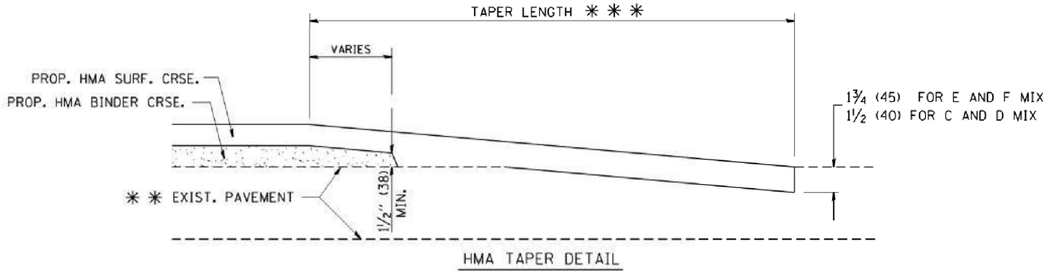


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

PLAN: SURVEYED, PLOTTED, CROSS CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, CROSS CHECKED, BM. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

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CLIENT: $CLIENT$
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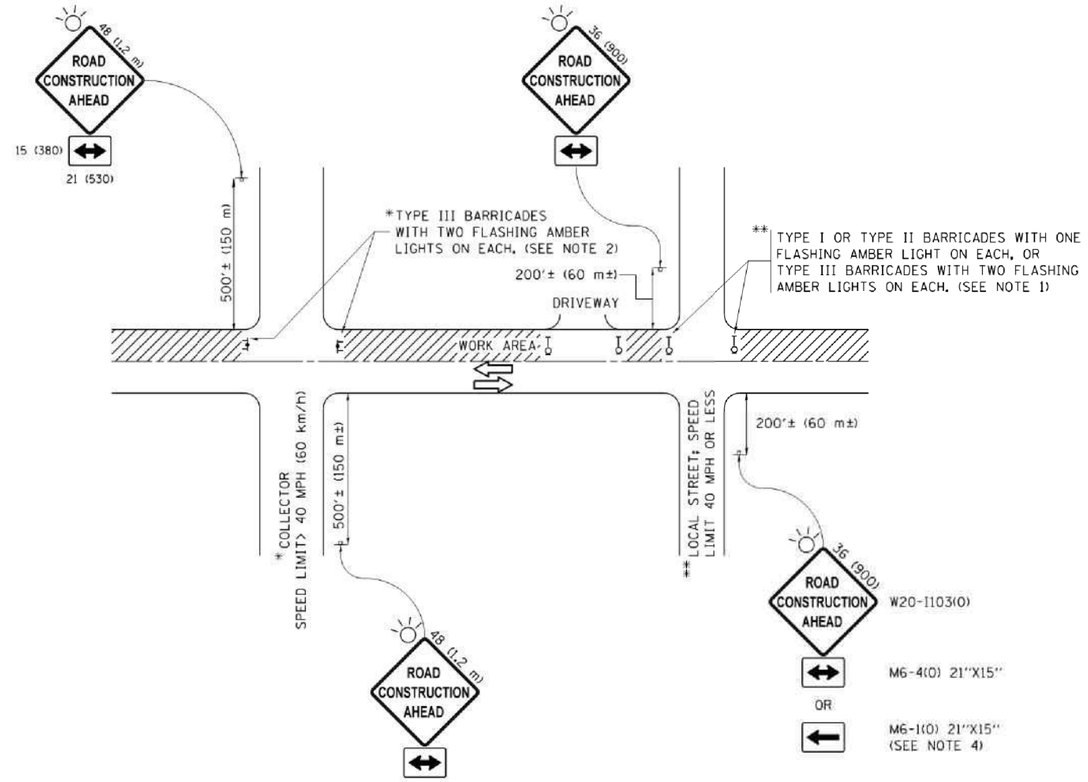

NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

PLAN | SURVEYED | PLOTTED | DRAWN | CHECKED | NOTE BOOK | BAR. NOTED | NO. | R/T. OF WAY CHECKED | CADD FILE NAME | BY | DATE

PROFILE | SURVEYED | PLOTTED | DRAWN | CHECKED | NOTE BOOK | STRUCTURE NOTATNS CHKD | NO. | BY | DATE

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Default	PLOT SCALE = 50.000 '/ in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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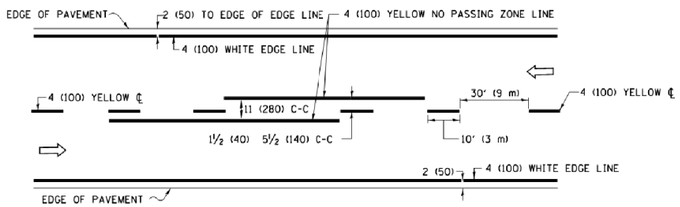
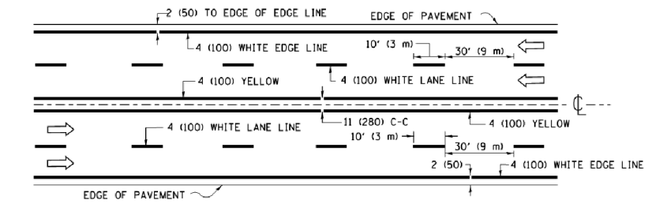
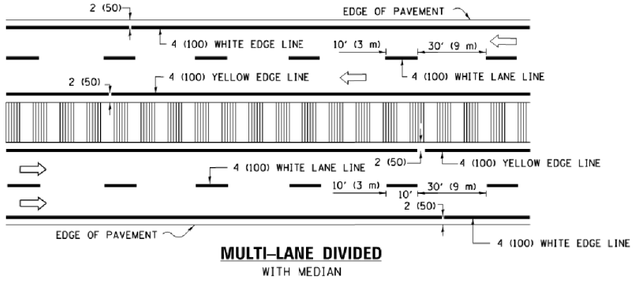


2–LANE ROADWAY

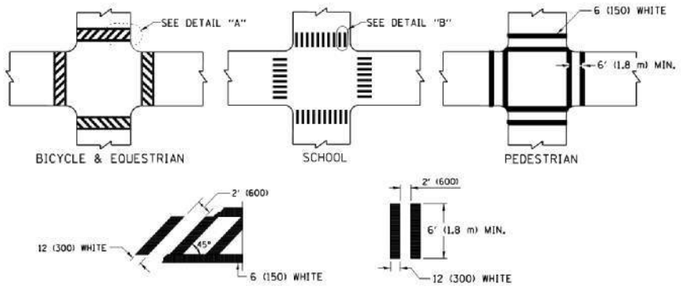


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

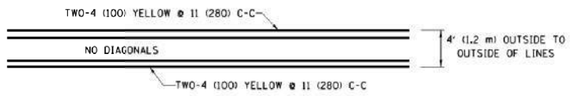
TYPICAL LANE AND EDGE LINE MARKING



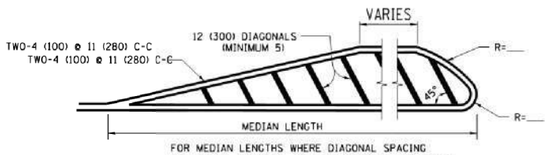
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



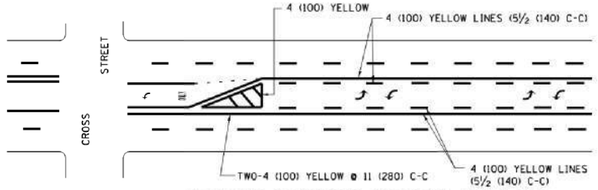
4' (1.2 m) WIDE MEDIANS ONLY



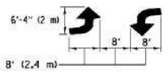
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

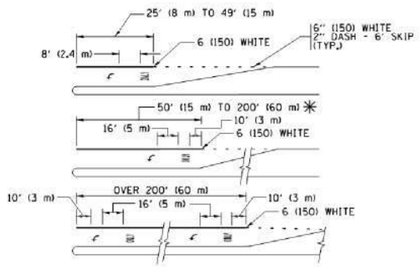


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

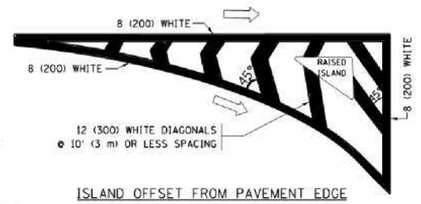


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1,5 m²) **ONLY** AREA = 20.8 SQ. FT. (1,9 m²)

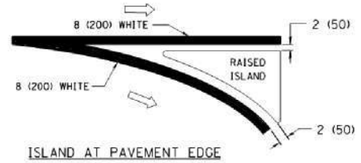
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

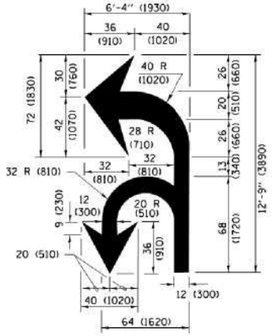


ISLAND OFFSET FROM PAVEMENT EDGE

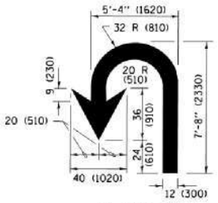


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2,4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2,4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0,33 m²) EACH "X"=54.0 SQ. FT. (5,0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

PLAN / PROFILE — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE — BM. NOTED — STRUCTURE NOTATNS CHKD

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CLIENT: $CLIENT$
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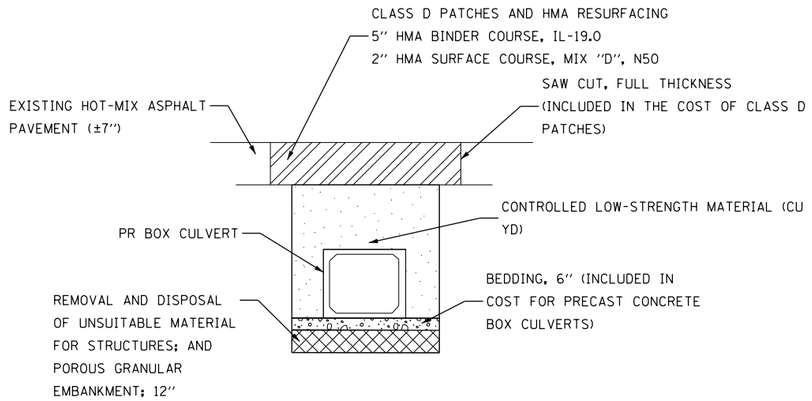
			REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

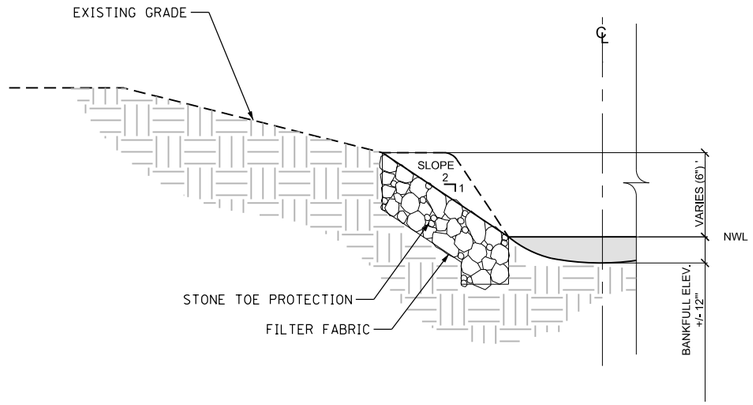
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	24
	TC-13	CONTRACT NO. 61F98		
	ILLINOIS FED. AID PROJECT			

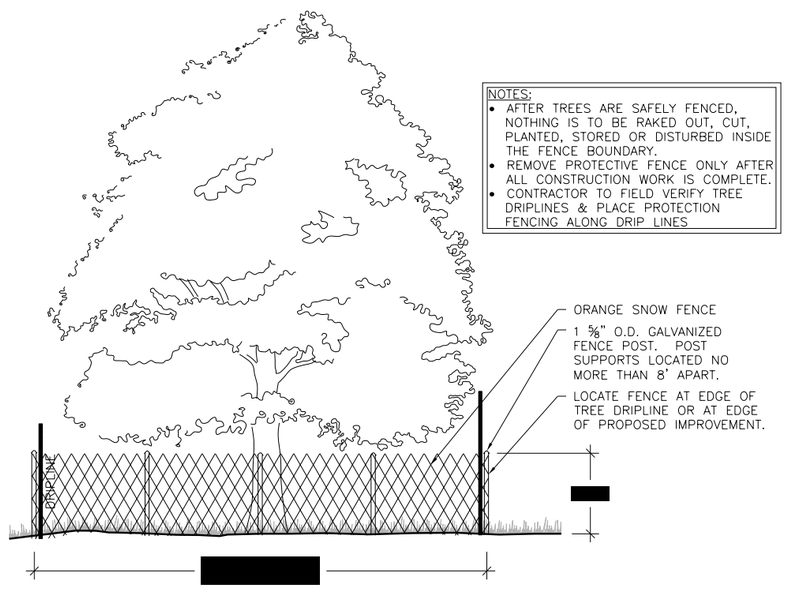


TYPICAL ROADWAY PATCH SECTION

BEDDING MATERIALS AND EXCAVATION.
REQUIRED FOR INSTALLATION OF PRECAST CONCRETE BOX CULVERTS OF THE SIZE SPECIFIED AND THE BOX CULVERT END SECTIONS SHALL BE INCLUDED IN THE COST OF EACH.

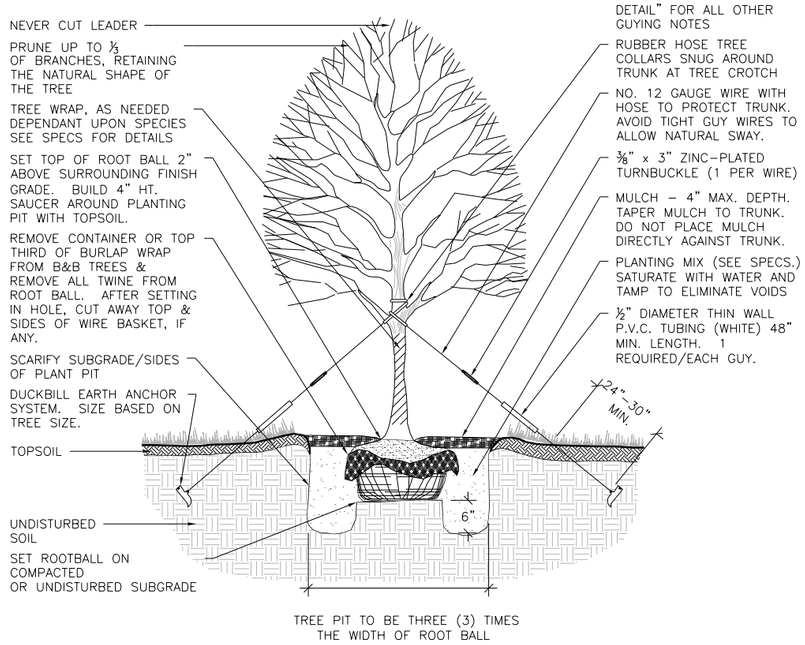


TYPICAL CHANNEL SECTION WITH STONE TOE PROTECTION
NOT TO SCALE



TYP. TREE PROTECTION SNOW FENCE DETAIL

SCALE: NTS



TYP. DECIDUOUS TREE PLANTING DETAIL

SCALE: NTS

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE | SURVEYED | PLOTTED | PROFILE CHECKED | BM. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

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HRG PROJ. CONTACT: I80485-snt-det01.dgn
FILE NAME: IL_pdf_bw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

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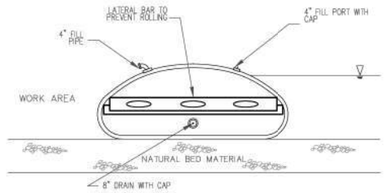
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
MAIN STREET

SCALE: N.T.S. | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	25
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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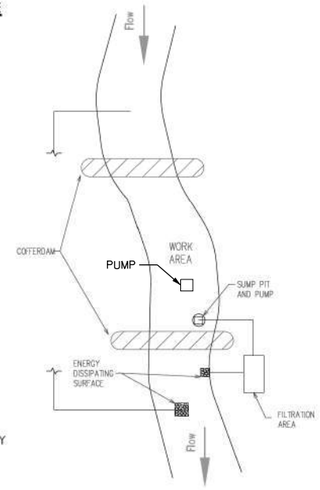


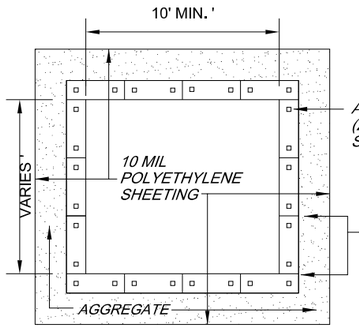
PLAN VIEW

NOTES:

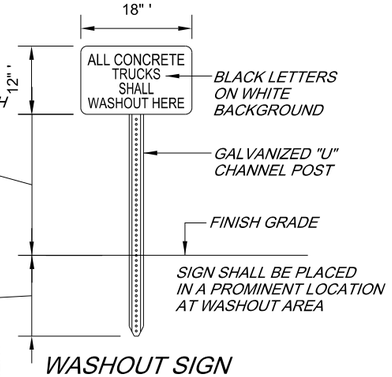
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.

2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

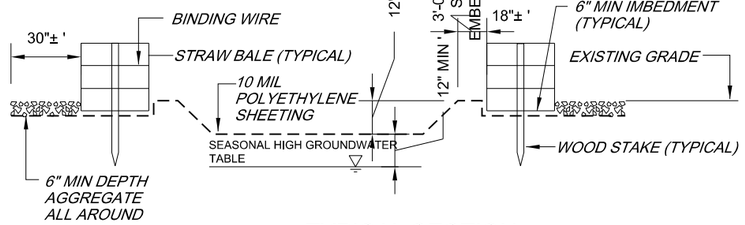
CONCRETE WASHOUT AREA



PLAN



WASHOUT SIGN



TYPICAL SECTION

NOTES:

1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

HRG PROJECT NO.: I80485
HRG PROJ. CONTACT:
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PEN TABLE: plotlabel.tbl

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	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
MAIN STREET

SCALE: N.T.S. | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
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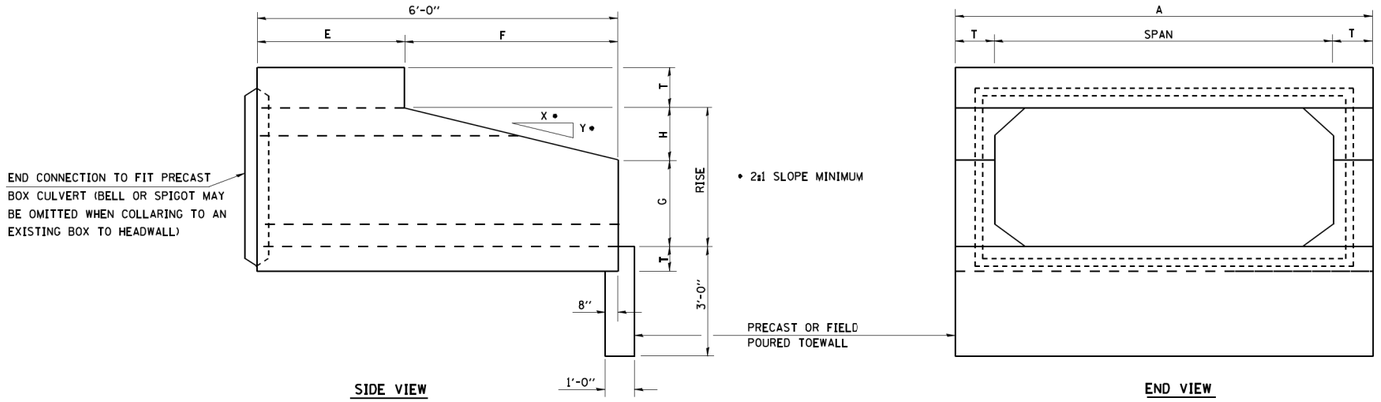
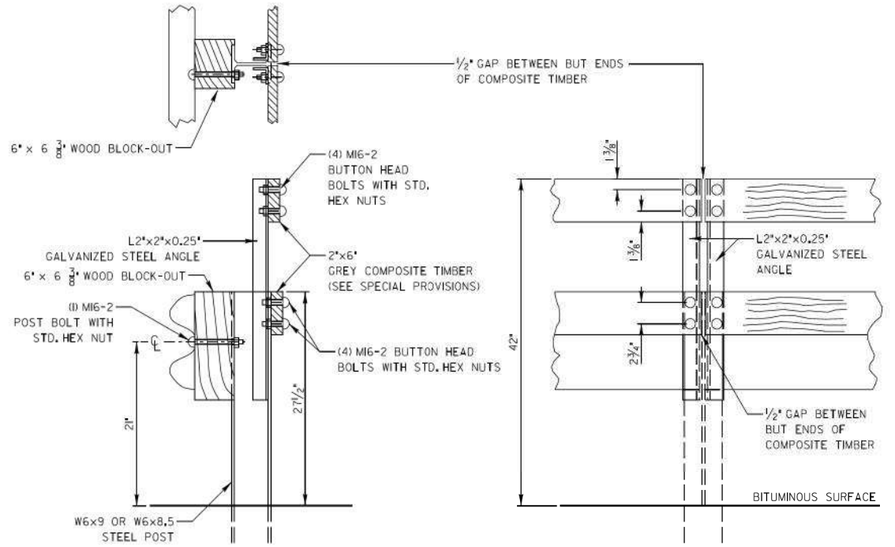
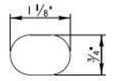
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SIDE VIEW

END VIEW

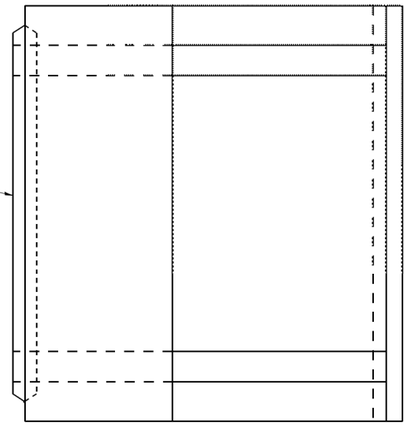




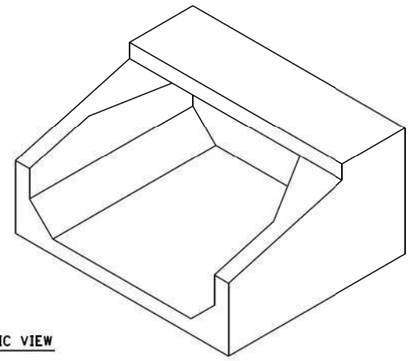
BOLT HOLE DETAIL

DUE TO EXPANSION AND CONTRACTION OF THE COMPOSITE TIMBER, THE LOCATION OF THE BOLTS WITH RESPECT TO THE SLOTTED BOLT HOLES IN THE COMPOSITE TIMBER WILL BE DEPENDANT ON THE AMBIENT TEMPERATURE AT PLACEMENT. CONSULT THE MANUFACTURER FOR BOLT HOLE LOCATION IN THE COMPOSITE TIMBER AND BOLT LOCATION IN THE SLOTTED BOLT HOLE.

SIDEWALK APPROACH GUARDRAIL ADJUSTMENT DETAIL



PLAN



ISOMETRIC VIEW

GENERAL NOTES

1. PRECAST CONCRETE BOX CULVERT 6'x6' SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS FILL = 2.0 FT.
2. THE MINIMUM CONCRETE STRENGTH SHALL BE 5,000 PSI.
3. LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER BOX SECTIONS ARE IN PLACE.

SPAN x RISE	T (INCHES)	A (FT-IN)	B (FT-IN)	C (INCHES)	E (FT-IN)	F (FT-IN)	G (FT-IN)	H (FT-IN)	SLOPE (X:Y)
6' x 6'	7"	7'-2"	7'-2"	7"	2'-0"	4'-0"	4'-0"	2'-0"	2:1

BILL OF MATERIAL

ITEM	UNIT	TOTAL
BOX CULVERT END SECTIONS CULVERT NO. 1	EACH	2
PRECAST CONCRETE BOX CULVERT 6'x6'	FOOT	45

PLAN — SURVEYED, PLOTTED, QUANTITIES CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, QUANTITIES CHECKED, BM. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

HRG PROJECT NO.: 180485
HRG PROJ. CONTACT:
FILE NAME: 180485-sht-dst03.dgn
PLOT DRIVER: IL_pdf.DW.prtcfg
PEN TABLE: plotlabel.tbl

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USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

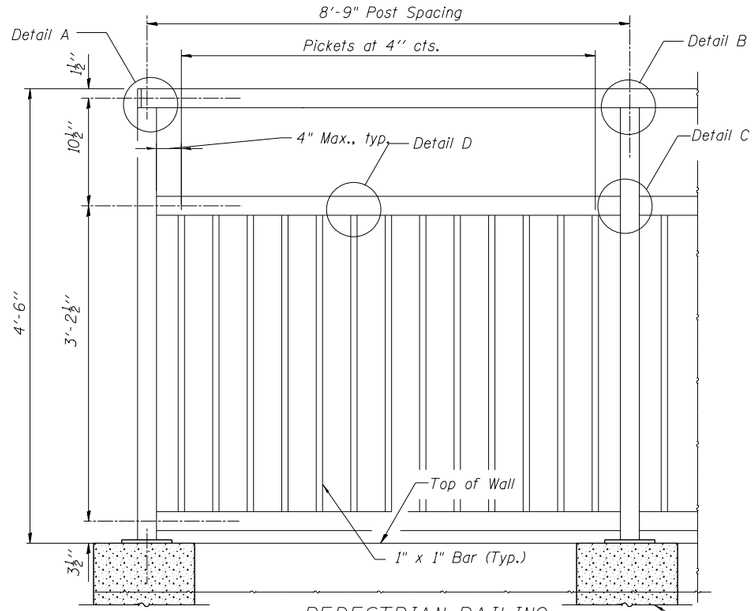
CONSTRUCTION DETAILS
MAIN STREET

SCALE: N.T.S. | SHEET 3 OF 7 SHEETS | STA. | TO STA.

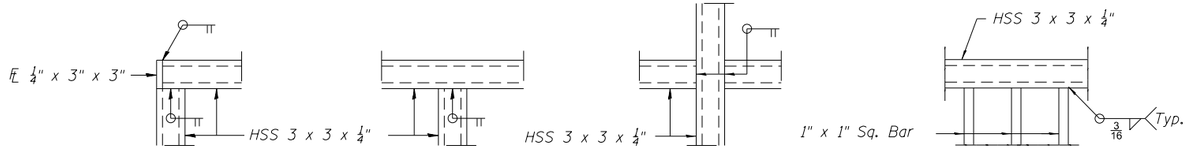
F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	27
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES

All post, railing, pickets, splices, and anchor devices shall be powder coated black. The powder coating system to be used shall be approved by the engineer prior to the coating process.

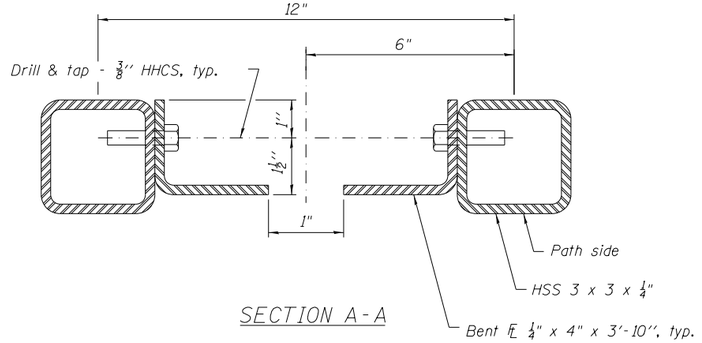


PEDESTRIAN RAILING

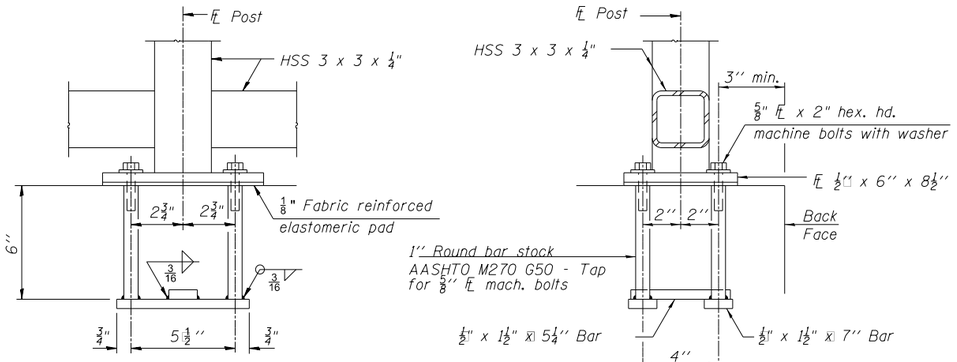


DETAIL A DETAIL B DETAIL C DETAIL D

Drill & tap - ⅜" HHCS, typ.

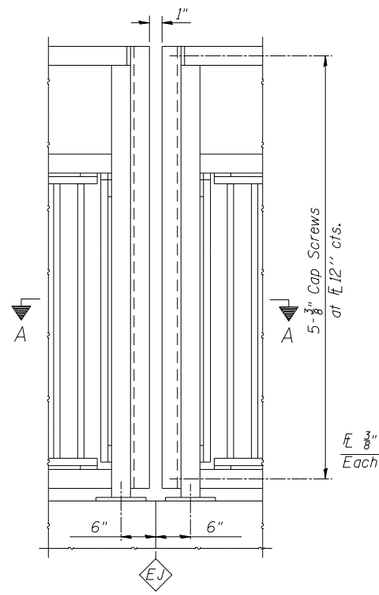


SECTION A-A

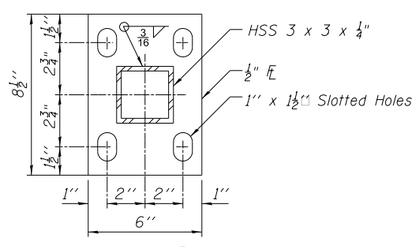


ANCHOR BOLT DETAILS

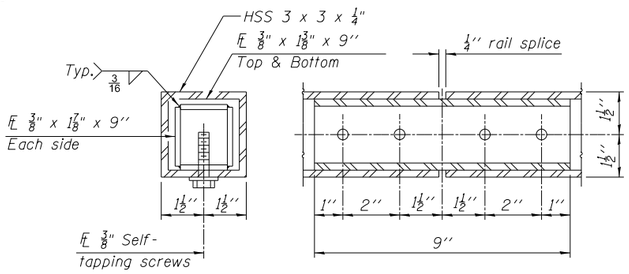
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" ℄ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications, but no greater than 6".



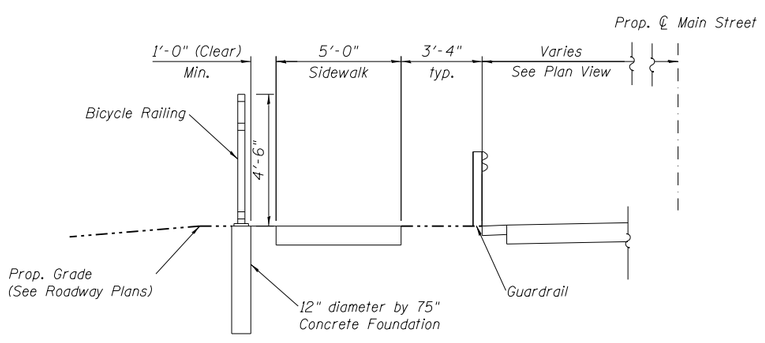
BICYCLE RAILING



BASE ℄



RAIL SPLICE



PEDESTRIAN RAILING SECTION VIEW

PLAN — DATE — BY — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — NOTE BOOK — NO.

PROFILE — DATE — BY — SURVEYED — PLOTTED — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTATNS CHKD — NOTE BOOK — NO.

HRG PROJECT NO.: 180485
HRG PROJ.CONTACT:
FILE NAME: 180485-sht-de104.dgn
PLOT DRIVER: IL_pdf.bw.pltcfg
PEN TABLE: plotlabel.tbl

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USER NAME = jstrzal	DESIGNED - JJS	REVISED -	
	DRAWN - DMS	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE = 7/8/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
MAIN STREET

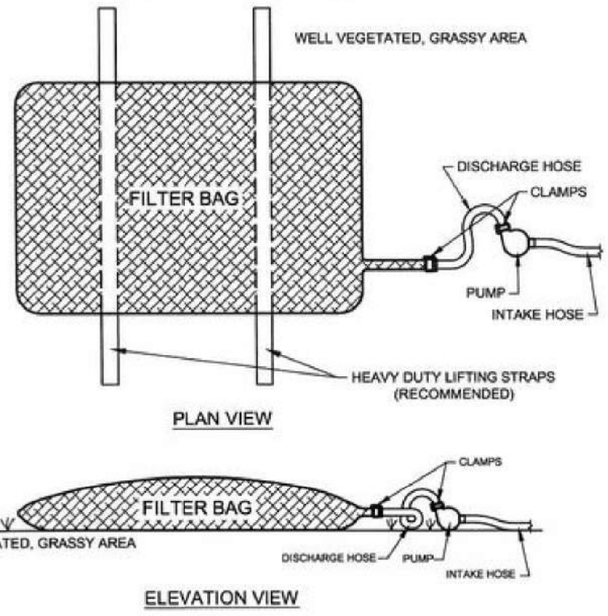
SCALE: N.T.S. | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	28
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / PLOTTED / DRAWN / CHECKED / QUANTITIES CHKD / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / DRAWN / CHECKED / BM. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. — BY — DATE

Pumped Water Filter Bag

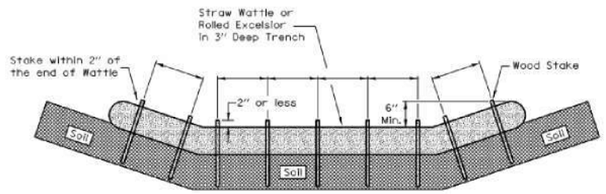


PLAN VIEW

ELEVATION VIEW

ROLLED EROSION CONTROL PRODUCTS

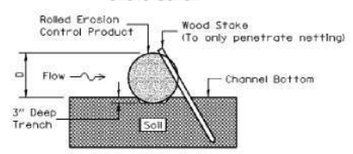
Staking Pattern Guide



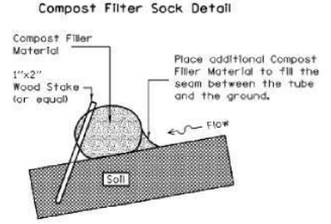
Notes:

1. Overlap minimum is the diameter of the roll.
2. 4' spacing for wattles.
3. 2' spacing for rolled excelsior.
4. Or space according to manufacturer's specifications.

Stake Detail



Compost Filter Sock Detail



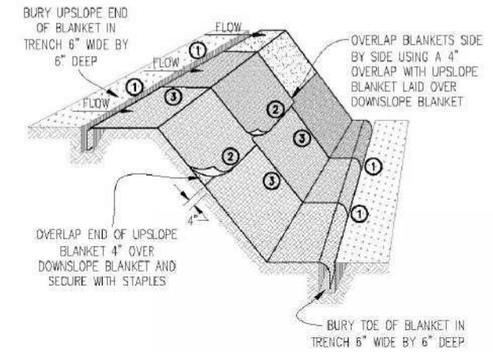
When compost filter sock ditch check is used, place a compost berm upstream of the filter sock (see IUM 805). A trench is not required.

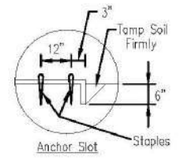
Notes:

1. Drawings are not to scale.
2. Ends of wattles or rolled excelsior shall be turned at least 6" upslope.
3. Recommended stakes are 1 1/8" wide x 1 1/8" thick x 30" long
4. Stakes shall not extend above the straw wattle more than 2".
5. Spacing: The toe of the upstream ditch check shall create a horizontal line with the top of the downstream ditch check.
6. When compost filter sock ditch check is used, place a compost berm upstream of the filter sock (see IUM 805). A trench is not required.

REFERENCE		STANDARD DWG. NO.
Project		IUM-514
Designed	Date	SHEET 1 OF 1
Checked	Date	DATE 8-19-11
Approved	Date	

AUTOCAD2006





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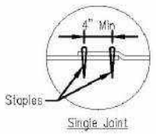

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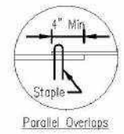

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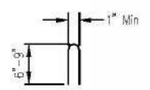
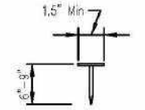


STAPLE DETAIL



PUSH PIN DETAIL

NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

Sheet 1 of 1	Drawing No. IUM-530	EROSION CONTROL BLANKET INSTALLATION DETAILS	Date
			Designed —
			Drawn S. JOHNSON 11/08
			Checked —
			Approved —

HRG PROJECT NO.: 180485
HRG PROJ. CONTACT: 180485-snt-det05.dgn
FILE NAME: IL_pdf_bw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

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184-001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

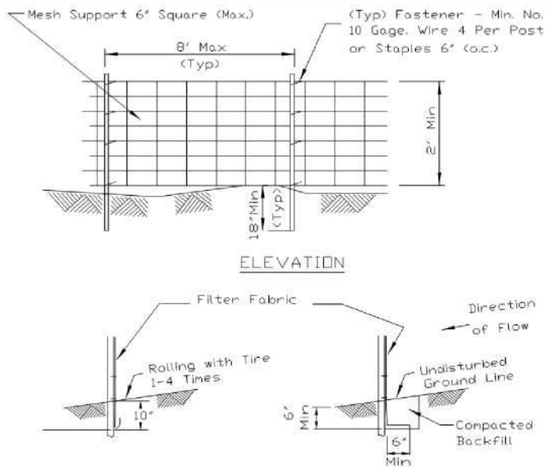
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
MAIN STREET

SCALE: N.T.S. | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	29
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SILT FENCE WITH WIRE SUPPORT PLAN



ELEVATION

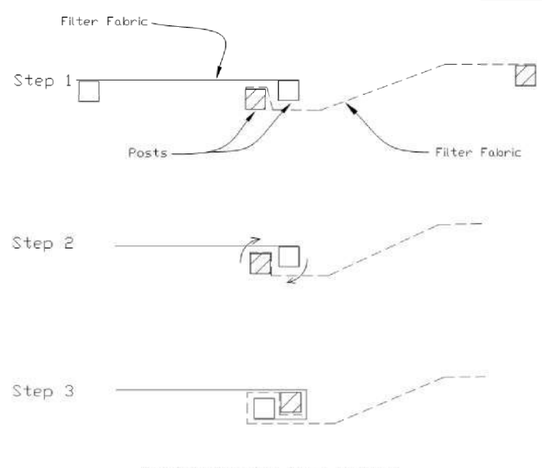
FABRIC ANCHOR DETAIL

STATIC SLICE INSTALLATION TRENCH INSTALLATION

NOTES:
1. Silt Fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization. Silt fence shall be placed on the flattest area available.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620A(W)
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 3-16-2012
Approved ____ Date ____		

SILT FENCE - SPLICING TWO FENCES

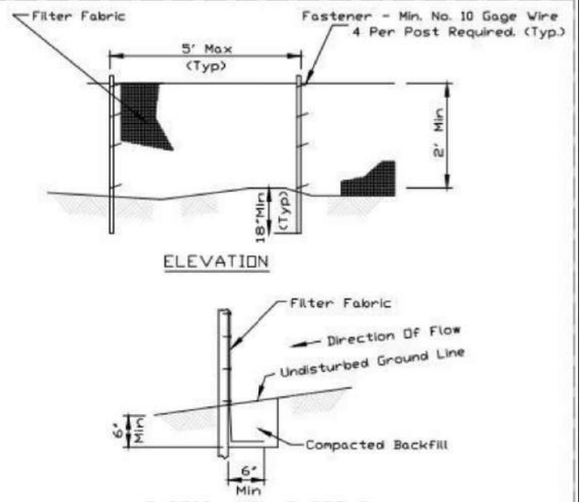


ATTACHING TWO SILT FENCES

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620B(W)
Designed ____ Date ____		SHEET 1 OF 1
Checked ____ Date ____		DATE 3-16-2012
Approved ____ Date ____		

SILT FENCE PLAN



ELEVATION

FABRIC ANCHOR DETAIL

NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile based upon performance needed.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 2" x 2" nominal size.

REFERENCE		STANDARD DWG. NO.
Project		IUM-620
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 3-16-12
Approved ____ Date ____		

PLAN: SURVEYED, PLOTTED, DESIGNED, QUANTITIES CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, DESIGNED, QUANTITIES CHECKED, BM: NOTED, STRUCTURE NO(S)TA'NS CHKD, NOTE BOOK, NO., BY, DATE

HRG PROJECT NO.: 180485
HRG PROJ.CONTACT: 180485-sht-da106.dgn
FILE NAME: IL_pdf_dw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

HRGreen
HRGreen.com
Illinois Professional Design Firm # 184-001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

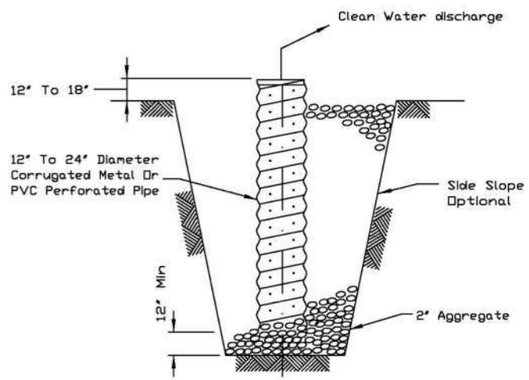
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
MAIN STREET

SCALE: N.T.S. | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	30
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMP PIT PLAN

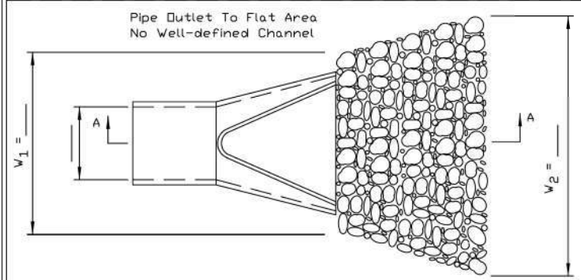


SECTION

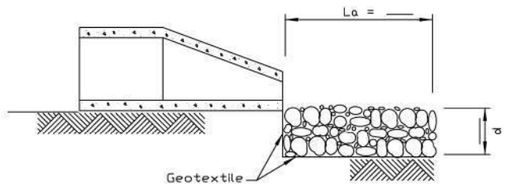
NOTES:
1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-650
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 8-11-94
Approved _____ Date _____		

PIPE OUTLET TO FLAT AREA



PLAN

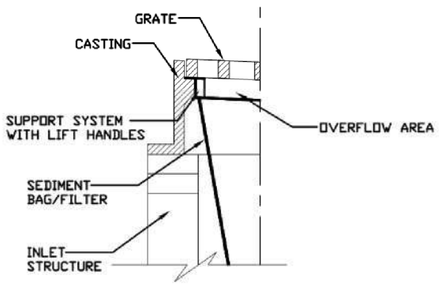


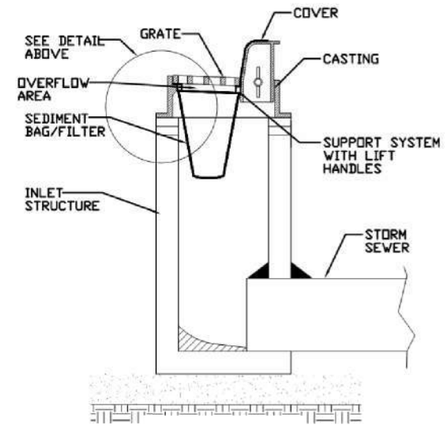
SECTION A-A

NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
2. The rock riprap shall shall meet the IDOT requirements for the following gradation: RR _____, Quality _____.
3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE		STANDARD DWG. NO.
Project	NRCS Natural Resources Conservation Service	IL-610
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 9-15-93
Approved _____ Date _____		

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION





REFERENCE		STANDARD DWG. NO.
Project		IUM-561D
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 01-11-11
Approved _____ Date _____		

PLAN / PROFILE — SURVEYED, PLOTTED, DRAWN, CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE, STRUCTURE NOTATNS CHKD, BAR. NOTED

HRG PROJECT NO.: i80485
HRG PROJ. CONTACT: i80485-sht-det07.dgn
FILE NAME: il_pdf_bw.pltcfg
PLOT DRIVER: plotlabel.tbl
PEN TABLE:

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USER NAME = jstrzal	DESIGNED - JJS	REVISED -	
	DRAWN - DMS	REVISED -	
PLOT SCALE =	CHECKED -	REVISED -	
PLOT DATE = 7/8/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

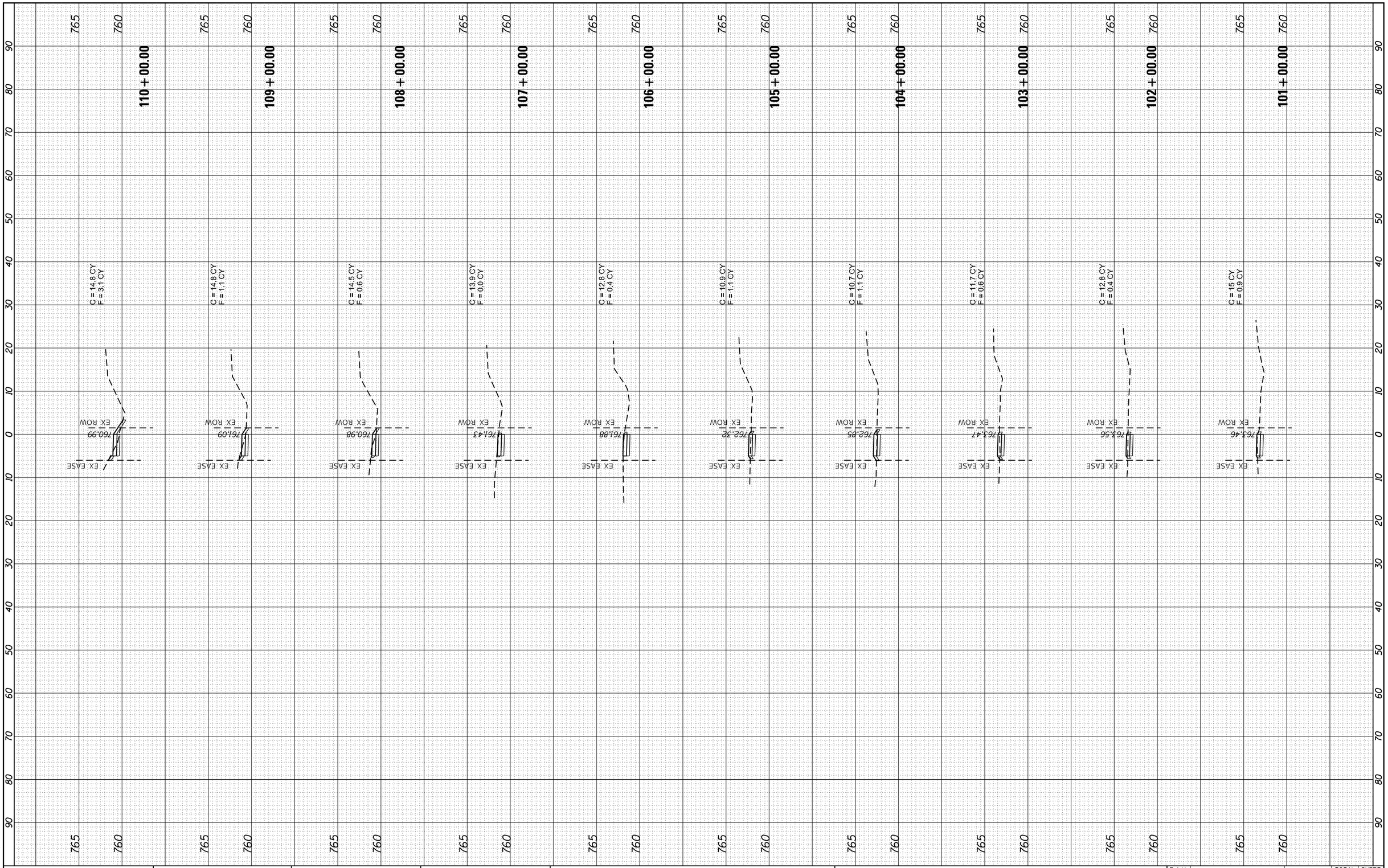
CONSTRUCTION DETAILS
MAIN STREET

SCALE: N.T.S. | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	31
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



HRG PROJECT NO.: 180485
HRG PROJ. CONTACT:
FILE NAME: 180485-snt-xSc.dgn
PLOT DRIVER: IL_pdf_bw.pltcfg
PEN TABLE: plotlabel.tbl

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Illinois Professional Design Firm
184-001322

USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

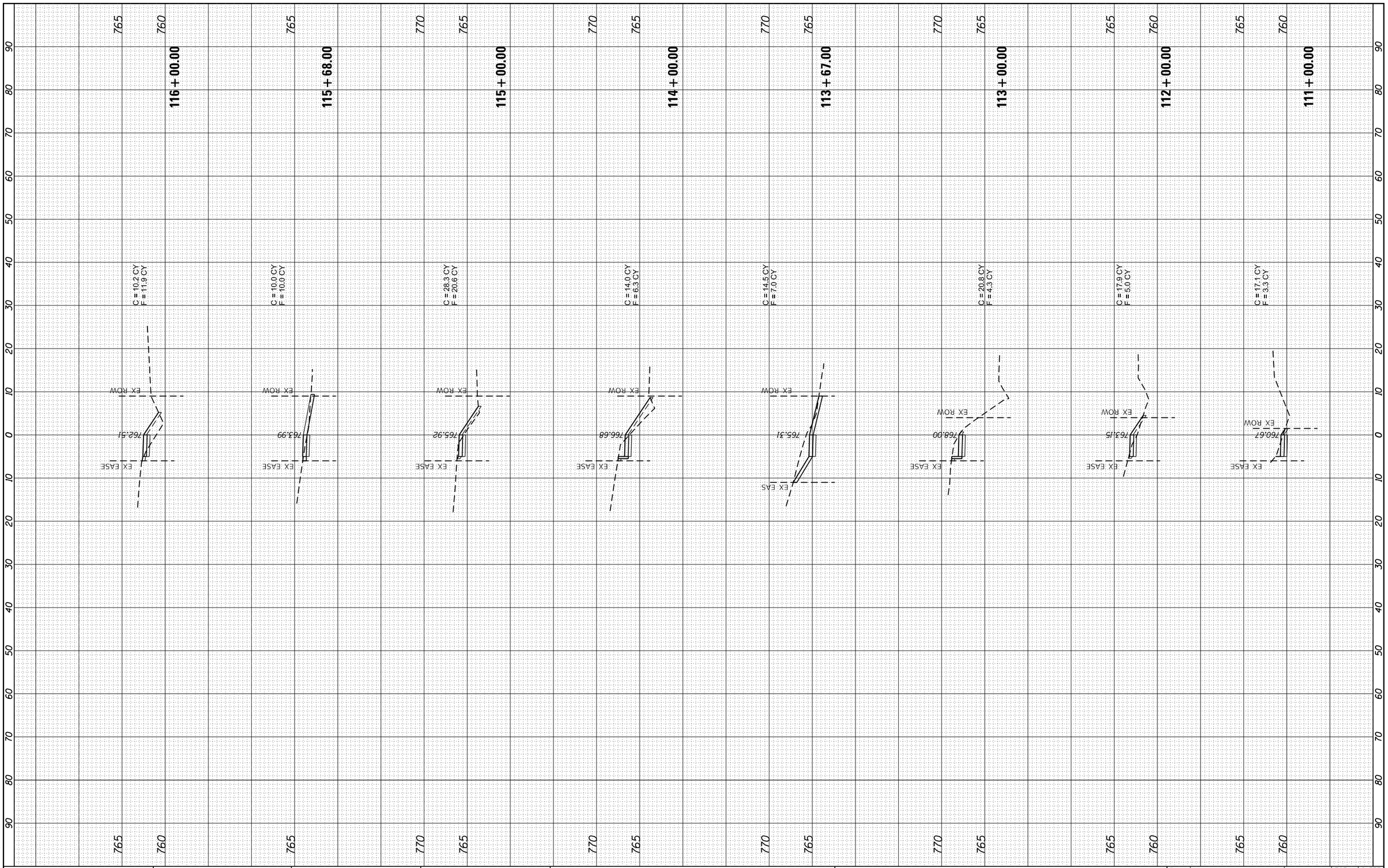
CROSS SECTIONS
MAIN STREET

SCALE: XXXX | SHEET 1 OF 3 SHEETS | STA. 101+00.00 TO STA. 110+00.00

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	32
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



HRG PROJECT NO.: 180485
HRG PROJ.CONTACT:
FILE NAME: 180485-sht-XSC.dgn
PLOT DRIVER: IL_pdf_bw.pltcfg
PEN TABLE: plotlabel.tbl

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	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

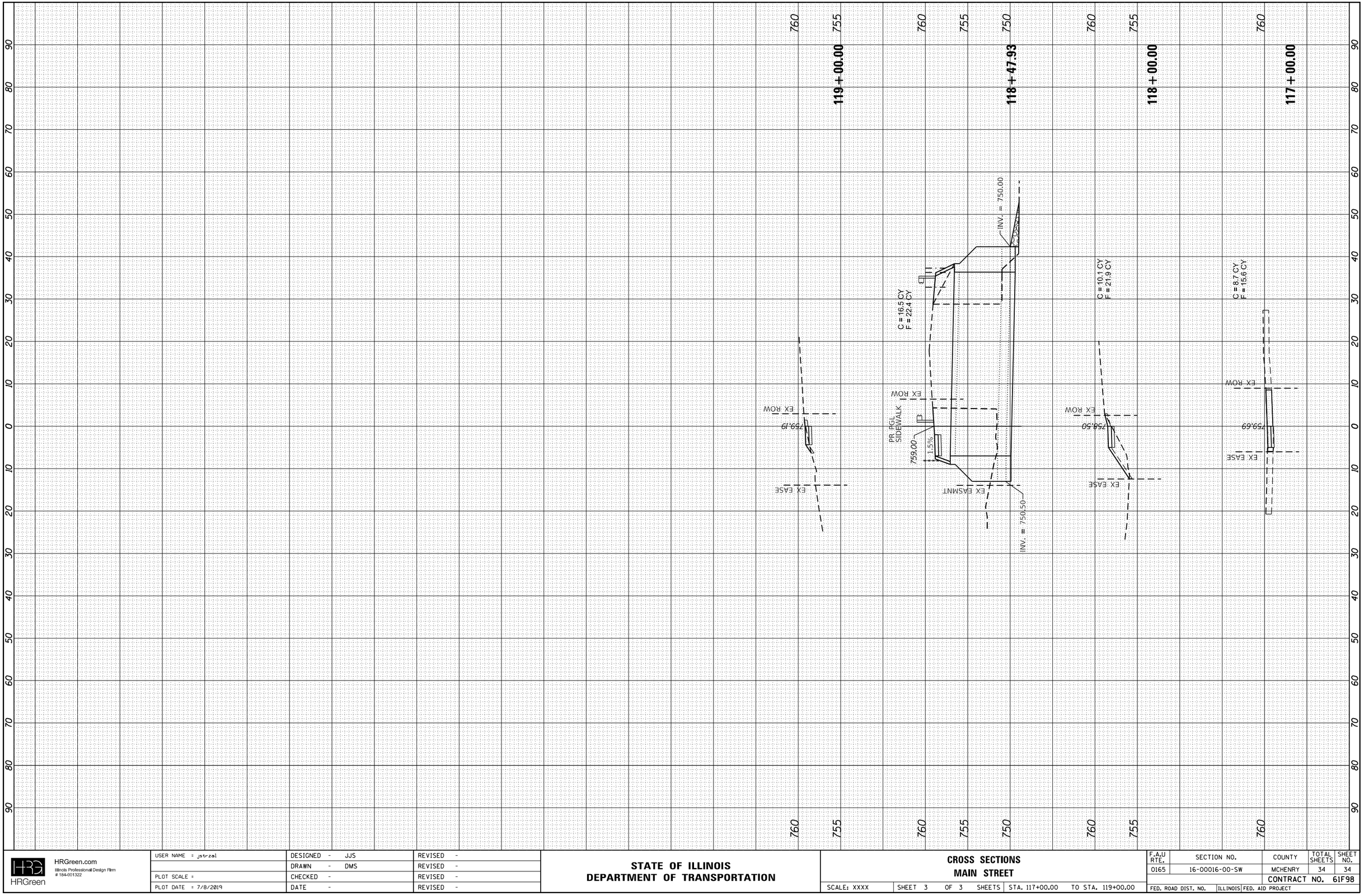
CROSS SECTIONS
MAIN STREET

SCALE: XXXX | SHEET 2 OF 3 SHEETS | STA. 111+00.00 TO STA. 116+00.00

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	33
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



HRG PROJECT NO.: 180485
HRG PROJ. CONTACT:
FILE NAME: 180485-snt-xSc.dgn
PLOT DRIVER: IL_pdf_bw.pltcfg
PEN TABLE: plotlabel.tbl

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	DRAWN - DMS	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 7/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
MAIN STREET

SCALE: XXXX | SHEET 3 OF 3 SHEETS | STA. 117+00.00 TO STA. 119+00.00

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0165	16-00016-00-SW	MCHENRY	34	34
		CONTRACT NO. 61F98		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		