F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	1
		ILLINOIS CONTRACT NO. 61K68		

01-17-2025 LETTING ITEM 131

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

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 2525 (DUNDEE AVENUE)
ENTERPRISE STREET TO PAGE AVNEUE
RECONSTRUCTION
SECTION 20-00189-00-PV
PROJECT NUMBER: SRX7(793)
CITY OF ELGIN
KANE COUNTY
JOB NO. C-91-374-22

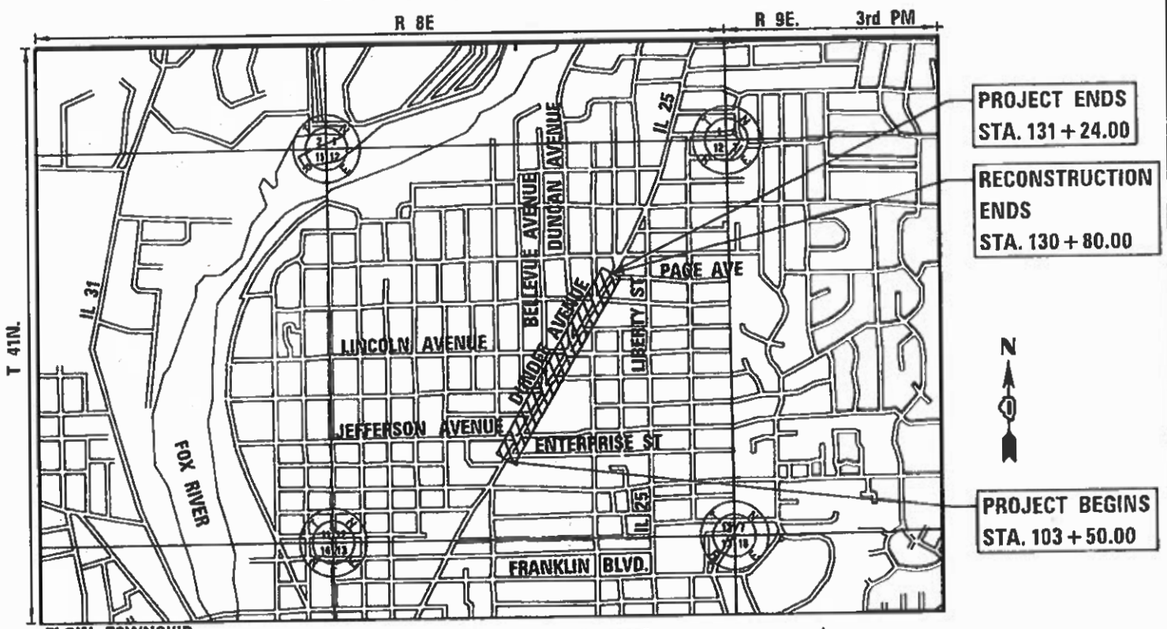
FOR INDEX OF SHEETS AND HIGHWAY STANDARDS SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION
DUNDEE AVENUE
MINOR ARTERIAL

TRAFFIC DATA
DUNDEE AVENUE
ADT: 9,450 (2023)

POSTED SPEED LIMIT
DUNDEE AVENUE = 30 MPH

DESIGN SPEED LIMIT
DUNDEE AVENUE = 30 MPH



LOCATION MAP (SCALE 1" = 1000')

TOTAL GROSS AND NET LENGTH OF PROJECT = 2,774 FEET (0.525 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED June 7, 2024
Mike Dubanitz
CITY OF ELGIN, PUBLIC SERVICES DIRECTOR

PASSED September 4, 2024
C.F. Riddle / JAF
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW September 4 2024
REGIONAL ENGINEER

100' 10' 250' 25' 300' 30' — 1" = 100' — 1" = 10'
50' 100' — 1" = 50'
50' 100' — 1" = 40'
50' 100' — 1" = 30'
50' 100' — 1" = 20'

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.

Call Before You Dig
JULIE ILLINOIS ONE-CALL SYSTEM
Simply Call 811
CONTRACT NO. 61K68

DATE: 6-7-24
JOSEPH W. CWYNAR
LICENSE EXPIRES: 11/30/2025
SHEETS: 1-117; 131-186

JOSEPH W. CWYNAR 062-054899 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

DATE: 6-6-24
BRENDA D. LOWERY
LICENSE EXPIRES: 11-30-25
SHEETS: 118-130

BRENDA D. LOWERY 062-065244 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS
SEAL

50 YEARS EEI
Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeinreb.com

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INDEX OF SHEETS

IDOT DISTRICT ONE STANDARD DETAILS

STANDARD NO.	DESCRIPTION
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING STORM SEWER
BD-08	DETAIL FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-12	MANHOLE WITH RESTRICTOR PLATE
BD-16	DROP MANHOLE DETAILS
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BE-215	LIGHTING CONTROLLER SINGLE DOOR
BE-220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE-240	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC
BE-300	LIGHT POLE FOUNDATION (30' TO 35' M.H. 11 1/2" BOLT CIRCLE
BE-305	LIGHT POLE FOUNDATION, METAL
BE-310	LIGHT POLE FOUNDATION OFFSET 40' TO 47 1/2' M.H. 15" BOLT CIRCLE
BE-402	ALUMINUM LIGHT POLE (35'-0" MOUNTING HEIGHT)
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-805	TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13 TC-16	DISTRICT ONE TYPICAL PAVEMENT MARKINGS SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	DISTRICT ONE ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	DISTRICT ONE MAST ARM MOUNT STREET NAME SIGNS
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DISTRICT ONE- DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
TS-08	EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION - MAIN STREET AND CROSS STREET

IDOT HIGHWAY STANDARDS

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420106-07	36' (10.8M) JOINTED PCC PAVEMENT
420111-04	PCC PAVEMENT ROUNDOUTS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-04	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAIN
602401-07	PRECAST MANHOLE TYPE A 4' (1.22M) DIAMETER
602402-03	CAST MANHOLE TYPE A 5' (1.52M) DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' (1.83M) DIAMETER
602411-09	PRECAST MANHOLE TYPE A 7' (2.13M) DIAMETER
602501-06	PRECAST VALVE VAULT TYPE A 4' (1.22M) DIAMETER
602506-03	CAST VALVE VAULT TYPE A 5' (1.52M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604056-04	FRAME AND GRATE TYPE 11V
606001-08	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15'(4.5M) TO 24"(600MM) FROM EDGE OF PAVEMENT
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS < 40 MPH
701601-09	URBAN LANE CLOSURE MULTILANE, 1W 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

COMMITMENTS

1. RESIDENT ENGINEER TO COORDINATE WITH PACE BUS FOR RELOCATION OF BUS STOPS DURING STAGE CHANGES. CONTACT THE PACE BUS TRANSPORTATION ENGINEER AT (847) 228-3584
2. THE CONCRETE SIDEWALK REPLACEMENT IN FRONT OF LARSEN MIDDLE SCHOOL SHALL MATCH THE COLOR AND TEXTURE OF THE EXISTING CONCRETE SIDEWALK.

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DUNDEE AVENUE INDEX OF SHEETS, HIGHWAY STANDARDS, AND LEGEND
DRAWN -	REVISED -		
CHECKED -	REVISED -		
DATE -	REVISED -		SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	2
		CONTRACT NO. 61K68		
		ILLINOIS FED. AID PROJECT		

USER NAME = jMarvig PLOT SCALE = 1:2
DATE/TIME = 11/5/2024 1:01:55 PM
MODEL: Default
FILE NAME: H:\SDSKProj\EG Elgin\2021\EG2102\Dgn Final Eng\EG2102-sht-Index.dgn

GENERAL NOTES

1) ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE ORDINANCES AND REQUIREMENTS OF THE CITY OF ELGIN, UNLESS NOTED OTHERWISE, AND SHALL CONFORM TO THE SPECIFICATIONS OF THE "ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022 AND THE "ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS (ISPE) STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", WHICH SHALL BE THE LATEST EDITION. ALL CONSTRUCTION SHALL ALSO CONFORM TO THE FOX RIVER WATER RECLAMATION DISTRICT (FRWRD) ORDINANCES (OR THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) AS APPLICABLE) AND THE ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS, LATEST EDITION PUBLISHED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) EXCEPT FOR CONFLICTS WITH THE FOX RIVER WATER RECLAMATION DISTRICT SEWER PERMIT AND MANUAL OF PROCEDURES ORDINANCES. THESE SPECIFICATIONS SHALL BE CONSIDERED A PART OF ELGIN'S STANDARD SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN THE STATE SPECIFICATIONS AND THE ELGIN STANDARD SPECIFICATIONS, THE MOST RESTRICTIVE PROVISIONS SHALL TAKE PRECEDENCE. ANY VARIATIONS OR ALTERNATIVES TO THE ELGIN STANDARD SPECIFICATIONS MUST BE SUBMITTED TO AND APPROVED BY THE CITY ENGINEER OR THEIR DESIGNEE(S) (HEREIN AFTER CITY ENGINEER) IN WRITING.

2) THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING UTILITY LOCATIONS, DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OF THE IMPROVEMENTS OR PROPOSED WORK. ALL EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR WILL NOTIFY THE CITY ENGINEER IMMEDIATELY IF DISCREPANCIES ARE FOUND.

3) ALL VERTICAL CONTROL RECORDS (ELEVATIONS) SHALL BE REFERENCED UPON USGS NAVD 88 DATUM. FOR HORIZONTAL CONTROL, ILLINOIS COORDINATE SYSTEM, EAST ZONE (NAD 83) SHALL BE USED.

4) A MINIMUM OF ONE (1) 2ND ORDER CLASS II PERMANENT BENCHMARK SHALL BE REQUIRED TO BE ESTABLISHED IN ALL DEVELOPMENTS, LOCATION SPECIFIED BY THE CITY ENGINEER. THE BENCHMARK SHALL REFERENCE AT LEAST TWO (2) EXISTING CITY BENCHMARKS, BE TIED TO THE NAVD 88 DATUM, AND BE RECORDED TO THE NEAREST 0.01 FEET.

5) THE CONTRACTOR SHALL REFER TO LANDSCAPE PLANS FOR COMPLETE INFORMATION REGARDING PLANTING LOCATIONS, WETLANDS, WALKWAYS, WALLS, STREAMS AND POND SHORELINES, IF APPLICABLE.

6) THE CONTRACTOR SHALL NOTIFY THE CITY OF ELGIN ENGINEERING DEPARTMENT 311 OR (847) 931-6001, THE FOX RIVER WATER RECLAMATION DISTRICT (847) 742-2068 AND J.U.L.I.E. (800) 892-0123 AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION. ALL OTHER AGENCIES SHALL ALSO BE NOTIFIED AS REQUIRED.

7) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CALL THE ASSIGNED ENGINEERING INSPECTOR AT LEAST 48 HOURS IN ADVANCE AND SET UP THE NECESSARY AND PROPER INSPECTION(S) FOR ALL WORK PERFORMED.

8) ALL EXISTING FIELD DRAINAGE TILES ENCOUNTERED OR DAMAGED DURING CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION, PROPERLY REROUTED AND/OR CONNECTED TO THE STORM SEWER SYSTEM. CONNECTIONS SHALL BE MADE AT STRUCTURES; PREFERABLY CATCH BASINS ONLY. NO BLIND TAPS ARE ALLOWED. AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE CITY'S ENGINEERING DEPARTMENT.

9) THE CONTRACTOR SHALL VERIFY THAT ALL PUBLIC IMPROVEMENTS ARE CONSTRUCTED WITHIN PUBLIC RIGHT-OF-WAY OR GRANTED PUBLIC EASEMENTS.

10) ONE SET OF APPROVED PLANS AS WELL AS APPROVED PERMIT(S) SHALL BE ON SITE AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

11) THE CONTRACTOR SHALL PROVIDE A RECORD OF PRE-DEVELOPMENT CONDITIONS AT THE SITE UTILIZING VIDEO TAPE OR STILL PICTURES AS REQUIRED BY THE CITY ENGINEER.

12) STORM AND SANITARY SEWER LINES SHALL BE CLEARED OF ALL CONSTRUCTION DEBRIS AND SILT PRIOR TO REQUESTING INSPECTION.

13) CONTRACTOR SHALL MAINTAIN PUBLIC RIGHT-OF-WAY FREE AND CLEAR OF ANY OBSTRUCTION(S) INCLUDING BUT NOT LIMITED TO ROCKS, BOULDERS, DEBRIS, MUD, EQUIPMENT OR MATERIAL.

14) THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGMEN AND OTHER CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

15) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AND CITY BY THE CONTRACTOR.

16) BEFORE ACCEPTANCE BY THE CITY AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE CITY. FINAL PAYMENT SHALL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.

17) NO EXCAVATIONS WILL BE PERMITTED TO REMAIN OPEN OVER ANY WEEKEND OR OVERNIGHT.

18) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER THE STANDARD SPECIFICATIONS.

19) THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATION, UNSUITABLE AND UNUSABLE MATERIALS OFFSITE AND AT AN APPROVED LOCATION IN A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED.

20) DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWER, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL SO INFORM THE ENGINEER. THE ENGINEER SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR TO REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF TO BE MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER.

GENERAL UNDERGROUND UTILITIES

1) TRENCH BACKFILL SHALL BE PROVIDED FOR ANY TRENCH EXCAVATED UNDER AND WITHIN 2' OF ALL EXISTING AND PROPOSED ROADWAY. BACKFILL MATERIAL SHALL BE APPROVED AND INSPECTED BY THE CITY OF ELGIN. FOR RESTORING CUTS IN EXISTING ROADWAYS, CONTROLLED LOW STRENGTH MATERIAL (CLSM) - FLOWABLE FILL, SHALL BE USED PER IDOT SPECIFICATIONS AND PROCEDURE IN LIEU OF TRENCH BACKFILL.

2) ALL PUBLICLY OWNED AND MAINTAINED SANITARY MANHOLES AND SIMILAR STRUCTURES SHALL BE A MINIMUM OF 48" DIAMETER. VALVE VAULTS MUST BE A MINIMUM OF 48" DIAMETER FOR WATERMAIN UP TO 8" DIAMETER; MINIMUM 60" DIAMETER FOR WATERMAIN GREATER THAN 8" DIAMETER BUT LESS THAN 16" DIAMETER AND MINIMUM 72" DIAMETER FOR WATERMAIN 16" DIAMETER OR GREATER.

3) NO SHEAR OR MECHANICAL JOINT GASKET COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPE OF DISSIMILAR MATERIALS. NO DISSIMILAR MATERIALS SHALL BE ALLOWED BETWEEN STRUCTURES IN NEW DEVELOPMENTS EXCEPT AS NOTED FOR DROP MANHOLE CONNECTIONS.

4) THE CONTRACTOR SHALL MARK THE LOCATION OF THE END OF SANITARY, WATER AND STORM SERVICES WITH BURIED 2" X 4" WOOD POSTS EXTENDING A MINIMUM OF 3' OUT OF THE GROUND AND PAINTED RED, BLUE AND GREEN RESPECTIVELY. CURB SHALL BE MARKED AT APPROPRIATE LOCATIONS WHERE SERVICE LINES CROSS WITH AN "S" FOR SANITARY AND A "W" FOR WATER.

5) ALL STORM, SANITARY AND WATERMAIN SERVICES ARE TO END AT THE RIGHT-OF-WAY LINE WITH PROPER TERMINATION.

6) SEWER CONNECTIONS TO AN EXISTING MANHOLE SHALL BE MACHINE CORED.

7) ECCENTRIC CONE SECTIONS SHALL BE USED ON ALL MANHOLES AND CATCH BASINS UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER. VALVE VAULTS SHALL HAVE THEIR OPENINGS CENTERED OVER THE VALVE.

8) ALL SEWER CONSTRUCTION REQUIRES BEDDING WITH SELECT GRANULAR BACKFILL (IDOT EQUIVALENT CA-6, CA-7, FA-6) WITH A MINIMUM THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN 4 INCHES, OR GREATER THAN 8 INCHES.

9) ALL SEWER CONSTRUCTION SHALL CONFORM TO THE APPROVED PERMIT AND PLANS UNLESS REVISIONS HAVE BEEN APPROVED BY THE CITY, AS WELL AS ANY AND ALL OTHER REGULATING AGENCIES.

10) MAXIMUM HEIGHT ATTAINED BY ADJUSTING RINGS FOR A SANITARY STRUCTURE SHALL BE 8 INCHES. MAXIMUM HEIGHT ATTAINED BY ADJUSTING RINGS FOR A WATER OR STORM STRUCTURE SHALL BE LESS THAN 12 INCHES. FOR 12 INCHES OR GREATER, A BARREL RISER SHALL BE USED. NO MORE THAN TWO RINGS SHALL BE USED FOR ADJUSTMENT.

EARTHWORK/EROSION CONTROL

1) ALL EROSION CONTROL WORK SHALL COMPLY WITH KANE COUNTY STORMWATER MANAGEMENT ORDINANCE AND TECHNICAL MANUAL AS AMENDED BY THE CITY OF ELGIN AND PER THE LATEST ADDITION OF THE ILLINOIS URBAN MANUAL.

2) STRIPPING OF VEGETATION, GRADING OR OTHER SOIL DISTURBANCE, ESPECIALLY IN DESIGNATED WETLAND AREAS SHALL BE DONE IN A MANNER WHICH WILL MINIMIZE SOIL EROSION, AND SHALL BE IN ACCORDANCE WITH THE APPROVED DRAWINGS, MITIGATION AND PERMIT REQUIREMENTS.

3) THE EXTENT OF THE EXPOSED AREA AND DURATION OF EXPOSURE SHALL BE KEPT WITHIN PRACTICAL LIMITS AS DIRECTED BY THE CITY ENGINEER.

4) ALL TEMPORARY STOCKPILES OF EARTH SHALL BE STABILIZED PER THE CONDITIONS OF THE ELGIN MUNICIPAL CODE, TITLE 21 "STORMWATER MANAGEMENT."

5) SEDIMENT SHALL BE RETAINED ON SITE. EROSION CONTROL DEVICES SHALL BE INSTALLED ALONG THE PERIMETER OF ALL REGRADED AREAS OR AS REQUIRED TO PREVENT SEDIMENT FROM ENTERING AND/OR LEAVING THE SITE.

6) MANAGEMENT AREAS SHALL BE INSPECTED PER APPROVED SCHEDULE AND A WEEKLY MAINTENANCE REPORT SHALL BE SUBMITTED TO THE CITY ENGINEER UPON REQUEST.

7) DUST PRODUCED FROM THE SITE SHALL BE KEPT TO A MINIMUM.

8) ALL MUD SHALL BE REMOVED FROM ALL VEHICLES BEFORE LEAVING THE SITE AND THE ROADS SHALL BE KEPT CLEAN AND CLEAR OF MUD AND DEBRIS AT ALL TIMES.

9) CULVERTS AND DRAINAGE DITCHES SHALL BE KEPT CLEAN AND CLEAR OF OBSTRUCTIONS.

10) THE CONTRACTOR SHALL MAINTAIN EXISTING POSITIVE DRAINAGE FROM OFF-SITE AT ALL TIMES.

11) WATER COURSES AND DRAINAGE SWALES ADJACENT TO CONSTRUCTION ACTIVITIES SHALL BE MONITORED WEEKLY FOR EVIDENCE OF SILT INTRUSION AND OTHER ADVERSE ENVIRONMENTAL IMPACTS. ANY PROBLEMS OR DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY UPON THEIR DISCOVERY.

12) ANY WETLAND MITIGATION SHALL BEGIN PRIOR TO ANY GRADING WORK AND SHALL BE IN ACCORDANCE WITH THE APPROVED MITIGATION PERMIT PLAN AND REQUIREMENTS.

13) THE CONTRACTOR SHALL INSTALL TEMPORARY ORANGE FENCE AROUND ALL TREES TO REMAIN AND WETLAND AREAS TO BE PRESERVED.

14) IN ORDER TO ENSURE PROTECTION AGAINST FLOODING, THE LOWEST POINT OF OPENING OF FOUNDATIONS FOR PROPOSED STRUCTURES SHALL BE SET AT A MINIMUM OF 2 FEET ABOVE THE FOLLOWING:
   a) HWL OF ADJACENT STORMWATER MANAGEMENT FACILITIES SUCH AS RETENTION/DETENTION PONDS.
   b) HGL OF OVERLAND FLOW ROUTE(S).
   c) BFE OF ANY ADJACENT WATER BODY INCLUDING WATERS OF U.S., EXCEPT ADJACENT TO THE FOX RIVER WHERE THE MINIMUM SHALL BE 3 FEET ABOVE THE BFE.

15) WITHIN THE LIMITS OF PROPOSED GRADING THE SOIL SHALL BE COMPACTED TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MODIFIED PROCTOR DRY DENSITY IN ACCORDANCE WITH ASTM D 1157-78:
   a) UNDER STRUCTURES AND PAVEMENTS: COMPACT 6 INCH MAXIMUM LIFTS OF DRY SUBGRADE, BACKFILL OR FILL MATERIAL AT 95% MODIFIED PROCTOR DRY DENSITY.
   b) UNDER PARKWAY OR UNPAVED AREAS: COMPACT 6 INCH MAXIMUM LIFTS OF DRY SUBGRADE, BACKFILL OR FILL MATERIAL AT 85% MODIFIED PROCTOR DRY DENSITY.
   c) UNDER PUBLIC SIDEWALKS: COMPACT 6 INCH MAXIMUM LIFTS OF DRY SUBGRADE, BACKFILL OR FILL MATERIAL AT 95% MODIFIED PROCTOR DRY DENSITY

16) SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AT LOCATIONS APPROVED BY THE ENGINEER. APPROPRIATE RUNOFF AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AROUND THE STORAGE SITE. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMIETER OF THE STOCKPILE

STORM SEWER

1) ALL STORM SEWER PIPES SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76 CLASS IV WITH CONFINED O-RING GASKETED JOINTS IN COMPLIANCE WITH ASTM C-361.

2) ALL SUMP PUMP AND DRAIN TILE DISCHARGES SHALL BE ROUTED TO A STRUCTURE ON THE STORM SEWER SYSTEM. SUMP PUMP DRAIN SERVICE CONNECTIONS SHALL BE 4" PVC AT A MINIMUM SLOPE OF 2% AND BURIED. THE DISCHARGE PIPE SHALL BE SDR 26, AND SHALL CONFORM TO ASTM D2751 OR ASTM D3034 SPECIFICATIONS.

3) PRIVATELY OWNED OR MAINTAINED SUMP PUMP CONNECTION OR JUNCTION STRUCTURES SHALL BE MINIMUM 2-FOOT DIAMETER CONCRETE STRUCTURES.

4) MINIMUM SIZE OF MAIN LINE STORM SEWER SHALL BE 12" DIAMETER FOR CONCRETE PIPE.

5) RIM ELEVATIONS FOR CURB INLET BOX TYPE STORM SEWER STRUCTURES SHALL BE TAKEN AT THE FLOW LINE AND RECORDED ON THE "AS-BUILT" DRAWING.

6) ALL OPEN GRATE STORM SEWER STRUCTURE SHALL HAVE "DUMP NO WASTE, DRAINS TO RIVER" AND APPROPRIATE SYMBOL (FISH SYMBOL) CAST IN THE GRATE OR CURB BOX.

7) ALL FLARED END SECTIONS SHALL HAVE GRATES WHICH FOLLOW THE INTENT OF THE IDOT STANDARD.

8) ALL DOWNSPOUTS, FOOTING DRAINS AND OUTSIDE DRAINS SHALL DISCHARGE TO THE STORM SEWER OR OVER GROUND AS APPROVED BY THE CITY ENGINEER.

9) ALL STORM SEWER MAINS SHALL BE INSPECTED WITH A VIDEO CAMERA PRIOR TO ACCEPTANCE AFTER ALL UTILITIES ARE INSTALLED (I.E. ELECTRIC, PHONE, GAS) AND AT LEAST ONE YEAR AFTER CONSTRUCTION PER THE DIRECTION OF THE CITY ENGINEER. THE SEWER SHALL BE CLEARED OF ALL CONSTRUCTION DEBRIS AND SILT PRIOR TO TELEVISING. THE REPORT ACCOMPANYING VIDEO SHALL ACCURATELY STATE STRUCTURE #, TYPE, PIPE SIZE & LENGTH, AND LOCATION OF ALL SERVICES. ALL DEFECTS IN PIPES AND CONSTRUCTION SHALL BE CALLED OUT. PROVIDE A COPY OF THE VIDEO TO THE CITY ENGINEER VIA AN ONLINE DOCUMENT SHARING LINK. ANY DISCREPANCY FOUND IN THE SYSTEM SHALL BE CORRECTED AND RE-TELEVISED PRIOR TO FINAL ACCEPTANCE.

WATERMAIN

1) ALL WATERMAINS SHALL BE PRESSURE TESTED PER REQUIREMENTS OF THE CITY OF ELGIN. TEST METHOD SHALL BE A LEAKAGE TEST OF 150 POUNDS PER SQUARE INCH (PSI) HELD FOR 2 HOURS. THE TOTAL LEAKAGE SHALL NOT EXCEED THE ALLOWABLE LEAKAGE REQUIREMENTS OF AWWA C600.

2) WATER LINES 4" AND LARGER MUST BE PRESSURE TESTED AND CHLORINATED FROM THE POINT OF CONNECTION AT THE EXISTING WATERMAIN TO A PERMANENTLY INSTALLED VALVE LOCATED INSIDE THE BUILDING. THE CONTRACTOR SHALL CONTACT THE CITY OF ELGIN WATER DEPARTMENT AT 311 OR (847) 931-6001 AT LEAST 48 HOURS PRIOR TO MAKING A TAP.

3) PRESSURE TESTING OF WATER PIPING SHALL BE WITNESSED BY THE ENGINEERING INSPECTOR, WATER DISTRIBUTION INSPECTOR, OR THE PLUMBING INSPECTOR, AS APPROPRIATE.

4) ALL WATERMAINS SHALL BE CHLORINATED PER THE REQUIREMENTS OF THE CITY OF ELGIN. BACTERIAL TESTS WILL BE PERFORMED BY THE CITY OF ELGIN WATER DEPARTMENT LABORATORY.

5) ALL WATERMAINS TO BE DUCTILE IRON PIPE PER ANSI A21.51 (AWWA C151), (CLASS 52) WITH "PUSH ON" OR MECHANICAL JOINTS AS REQUIRED BY THE WATER DEPARTMENT. ALL BENDS SHALL BE MECHANICAL JOINTS. ALL MECHANICAL JOINTS ARE TO BE MEGA-LUG RESTRAINED WITH COATED STAINLESS STEEL BOLTS. ALL PUSH ON JOINTS SHALL INCORPORATE 2 BRASS WEDGES PER JOINT AND 4 BRASS WEDGES PER JOINT ON MAIN LARGER THAN 12" DIAMETER. PIPE TO BE CEMENT LINED PER ANSI A21.4 (AWWA C104).

6) THE EXTERIOR OF ALL DUCTILE IRON PIPE SHALL BE COATED WITH A FACTORY-APPLIED LAYER OF ARC-SPRAYED ZINC PER ISO 8179. THE MASS OF THE ZINC APPLIED SHALL BE 200 G/M2 OF PIPE SURFACE AREA. A FINISHING LAYER TOPCOAT SHALL BE APPLIED TO THE ZINC. THE MEAN DRY FILM THICKNESS OF THE FINISHING LAYER SHALL NOT BE LESS THAN 3 MILS WITH A LOCAL MINIMUM NOT LESS THAN 2 MILS. THE COATING SYSTEM SHALL CONFORM IN EVERY RESPECT TO ISO 8179-1 “DUCTILE IRON PIPES - EXTERNAL ZINC-BASED COATING - PART 1: METALLIC ZINC WITH FINISHING LAYER, SECOND EDITION 2004-06-01". ANY DAMAGE TO THE ZINC COATING SHALL BE REPAIRED PER THE MANUFACTURER'S SPECIFICATION. ALL DUCTILE IRON PIPE SHALL HAVE APPROPRIATE MANUFACTURER LABELING ON EACH PIPE, INDICATING THAT ZINC COATING HAS BEEN APPLIED. ANY DUCTILE IRON PIPE DELIVERED TO THE SITE WITHOUT THE REQUIRED ZINC COATING OR LABELING WILL BE REJECTED AND SHALL BE IMMEDIATELY REMOVED FROM THE PROJECT SITE. IN ADDITION, POLYETHYLENE ENCASEMENT FOR USE WITH DUCTILE IRON PIPE SYSTEMS SHALL CONSIST OF THREE LAYERS OF CO-EXTRUDED LINEAR LOW DENSITY POLYETHYLENE (LLDPE) FUSED INTO A SINGLE THICKNESS OF NOT LESS THAN EIGHT MILS. THE INSIDE SURFACE OF THE POLYETHYLENE WRAP TO BE IN CONTACT WITH THE PIPE EXTERIOR SHALL BE INFUSED WITH A BLEND OF ANTI-MICROBIAL BIOCIDE TO MITIGATE MICROBIOLOGICALLY INFLUENCED CORROSION AND A VOLATILE CORROSION INHIBITOR TO CONTROL GALVANIC CORROSION.

7) THE MINIMUM COVER FOR WATERMAIN SHALL BE 5.5 FEET FROM FINISHED GRADE TO TOP OF MAIN. TOP OF PIPE ELEVATIONS SHALL BE PROVIDED EVERY 50' AND RECORDED ON "AS-BUILT" DRAWINGS. THE MAXIMUM DEPTH OF THE OPERATING NUT OF A VALVE SHALL BE 7.0 FEET FROM FINISHED GRADE UNLESS APPROVED OTHERWISE BY THE WATER DIRECTOR.

8) ALL WATER SERVICES TO BE MINIMUM 1", TYPE "K" COPPER. 1" TAPS SHALL BE DIRECT TAP, 1 $\frac{1}{4}$" THROUGH 2" TAPS SHALL BE SADDLE TAPPED. SADDLE CLAMP SHALL BE STAINLESS STEEL EPOXY COATED. ALL FLARE CONNECTIONS, NO COMPRESSION ALLOWED. CORPORATION STOP COUPLING ISTO BE AT A 45 DEGREE ANGLE UPWARDS OFF THE MAIN. SLEEVES ARE PROHIBITED.

9) ALL WATER SERVICES FROM MAIN UP TO THE B-BOX ARE TO BE INSTALLED BY THE WATER DEPARTMENT PERSONNEL, UNLESS APPROVED IN WRITING BY THE WATER DEPARTMENT.

10) THE CITY OF ELGIN PLUMBING INSPECTOR SHALL BE NOTIFIED (847) 931-5920 FOR REQUESTING ALL PRIVATE WATER SERVICE LINE AND FIRE SUPPRESSION LINE INSPECTIONS. THE ENGINEERING INSPECTOR SHALL BE NOTIFIED AT 311 OR (847) 931- 6001 FOR REQUESTING PUBLIC AND QUASI-PUBLIC WATERMAIN INSPECTIONS. INSPECTIONS SHALL BE SCHEDULED A MINIMUM OF 48 HOURS IN ADVANCE OF STARTING WORK.

11) ONLY CITY OF ELGIN WATER DEPARTMENT PERSONNEL SHALL OPERATE ALL WATER MAIN, HYDRANT AND AUXILIARY VALVES.

12) ANY DEVIATION FROM THESE SPECIFICATIONS MUST RECEIVE WRITTEN APPROVAL FROM THE CITY OF ELGIN WATER DEPARTMENT OR ITS REPRESENTATIVES. REQUESTS FOR DEVIATIONS MUST BE SUBMITTED A MINIMUM OF 4 WEEKS PRIOR TO PROPOSED INSTALLATION. ANY REQUESTS RECEIVED AFTER THIS DEADLINE WILL BE REJECTED.

13) HYDRANTS SHALL FULLY COMPLY WITH THE NATIONAL FIRE PROTECTION ASSOCIATION, FIRE PROTECTION HANDBOOK, LATEST EDITION.

14) ALL VALVES SHALL BE AMERICAN FLOW CONTROL SERIES 2500-1 DUCTILE IRON RESILIENT WEDGE GATE VALVES OR CLOW SERIES C515 RATED FOR 250 PSI COLD WATER WORKING PRESSURE WITH STAINLESS STEEL HARDWARE. ALL VALVES SHALL HAVE AN OPERATING NUT MADE OF DUCTILE IRON THAT HAS FOUR FLATS AT STEM CONNECTION TO ASSURE EVEN TORQUE INPUT ON THE STEM DURING OPENING AND EXERCISING. THE VALVES SHALL HAVE FACTORY INSTALLED 304 STAINLESS STEEL EXTERIOR BOLTING. ALL BOLTS TO BE NO SMALLER THAN 5/8” DIAMETER. METRIC SIZE AND SOCKET HEAD CAP SCREW ARE NOT ALLOWED. VALVES 18” AND LARGER SHALL HAVE AN ENCLOSED GEAR CASE. DESIGN SHALL BE OF THE BEVEL OR SPUR TYPE DEPENDENT UPON THE INSTALLATION CONDITIONS OF THE VALVE. ALL TAPPING SLEEVES SHALL BE STAINLESS STEEL.

15) PVC SLEEVES FOR COPPER WATER SERVICES ARE NOT ALLOWED. ANY SLEEVE NECESSARY FOR PROTECTION OF THE SERVICE SHALL BE STAINLESS STEEL.

16) 3" DUCTILE IRON PIPE, FITTINGS AND VALVES ARE NOT ALLOWED.

17) WATER SERVICE LINES UP TO AND INCLUDING 2" SERVICES SHALL BE PRESSURE TESTED AGAINST A PERMANENTLY INSTALLED VALVE, LOCATED INSIDE OF THE BUILDING.

18) SERVICE CONNECTIONS 4" AND LARGER SHALL HAVE VALVES LOCATED IN VAULTS, UNLESS OTHERWISE APPROVED BY THE WATER DEPARTMENT.

19) AT ALL LOCATIONS WHERE WATERMAINS AND SEWERS CROSS MATERIAL AND JOINTING SHALL BE IN ACCORDANCE WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY PUBLIC WATER SUPPLIES TECHNICAL POLICY STATEMENTS.

SANITARY SEWER

1) ALL SANITARY SEWER MAIN AND FITTINGS SHALL MEET THE FOLLOWING SPECIFICATIONS OR AS APPROVED BY THE CITY ENGINEER.

MATERIAL (8" MIN.)	PIPE SPEC.	JOINT SPEC.
DIP - CLASS 52 (WRAPPED)	ANSI A-21.51	AWE C111 & C600
P.V.C --	ASTM D-3034	ASTM D-3212
SDR 26 FOR 3.5' - 15' COVER		
SDR 21 FOR OVER 15' - 20' COVER		
SDR 18 FOR OVER 20' COVER		

P.V.C. PIPE SHALL UTILIZE ELASTOMERIC GASKETS COMPLYING WITH F-477

2) ALL SANITARY SEWER MAINS SHALL BE TESTED AS REQUIRED BY THE CITY OF ELGIN AND THE FOX RIVER WATER RECLAMATION DISTRICT (FRWRD) OR THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD), AS APPLICABLE, PRIOR TO ACCEPTANCE.

3) SANITARY SEWER SERVICE LINES WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE 6" DIAMETER WITH A MINIMUM SLOPE OF 1% AND SHALL MATCH MATERIAL SPECIFICATIONS FOR PUBLIC MAIN. A CLEAN-OUT SHALL BE LOCATED ON EVERY SERVICE LINE PER CITY OF ELGIN BUILDING DEPARTMENT DIRECTION.

4) SANITARY SEWER SERVICES SHALL BE CONNECTED TO THE MAIN BY USE OF APPROVED FITTING. FOR CONNECTIONS TO NEW SEWER MAIN, A MANUFACTURED WYE OR WYE-TEE SHALL BE USED. FOR EXISTING SEWER MAIN, APPROVED SADDLE CONNECTION SHALL BE USED. ANY SANITARY SEWER CONNECTION TO AN EXISTING SANITARY SEWER GREATER THAN 15 FEET DEEP SHALL BE MADE WITH A CUT IN DUCTILE IRON TEE WITH MECHANICAL JOINT GASKETS AND DUCTILE IRON SLEEVE.

5) MANHOLES SHALL UTILIZE A REINFORCED PRECAST MONOLITHIC BOTTOM SECTION WITH INTEGRAL FILLET OR A POURED CONCRETE BENCH AND TROUGH AND SHALL HAVE A SMOOTH FINISH. THE BENCH SHALL BE A MINIMUM HEIGHT OF ONE-HALF OF THE DIAMETER OF THE CONNECTING PIPE AND EXTEND TO THE INSIDE WALLS OF THE MANHOLES. CHANGES IN DIRECTION SHOULD BE MADE WITH THE USE OF ROUNDED TURNS. THE RADIUS OF THE CHANNEL CENTERLINE SHALL BE AT LEAST 1/2 THE INNER DIAMETER OF THE MANHOLE, MIN. 2 FEET. SHARP ANGLES WILL NOT BE PERMITTED IN THE REDIRECTION OF SEWER FLOW.

6) WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
   A) CIRCULAR SAW-CUT OF THE SANITARY SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE. THE CORED SECTION SHALL BE PROVIDED TO THE ENGINEERING DEPARTMENT.
   B) WITH A PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING TO BE HELD FIRMLY IN PLACE USING SHIELDED TRANSITION TYPE COUPLINGS WITH PRIOR APPROVAL FROM THE CITY ENGINEER. IF EXISTING BEDDING IS DISTURBED, CONNECTION SHALL BE SUPPORTED WITH PROPER BEDDING.

7) A FLEXIBLE RUBBER BOOT SHALL BE USED AT ALL CONNECTIONS AND PENETRATIONS INTO PRECAST SANITARY SEWER MANHOLES. CONNECTIONS INTO EXISTING BRICK MANHOLES SHALL UTILIZE BRICK AND HYDRO-CEMENT.

8) REMOVAL OF ALL PAVEMENT, SIDEWALK AND/OR CURB SHALL BE ACCOMPLISHED BY SAW CUTTING IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.

9) SAW CUTTING OF EXISTING CURB HEAD TO PROVIDE DEPRESSED CURB AT ENTRANCES IS PROHIBITED. THE CONTRACTOR SHALL SAW CUT EXISTING CURB AT LIMITS OF WORK AND REPLACE WITH DEPRESSED CURB AT ALL ENTRANCES. DRILL AND DOWEL ALL NEW CURB INCLUDING DEPRESSED CURB TO EXISTING CURB AS REQUIRED.

10) AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED, AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

11) ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.

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CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	3

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

USER NAME = JMarvig PLOT SCALE = 1:2
PLOT DATE = 8/28/2024 12:44:58 PM
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PAVING

1) SUB-BASE COURSE SHALL BE MINIMUM 4" THICK, COMPACTED CA-6, AGGREGATE TYPE B, CONFORMING TO IDOT REQUIREMENTS.

2) CURB AND GUTTER AND BARRIER CURB SHALL BE CONTINUOUSLY REINFORCED WITH TWO #4 BARS. CURING COMPOUND SHALL BE APPLIED AFTER FINISHING. WINTER PROTECTION PER IDOT SPECIFICATIONS SHALL BE PROVIDED. IF PAVED AFTER OCTOBER 1, THE CURING COMPOUND SHALL CONTAIN 25% SEALER. BACKFILLING OF CURB OR PAVING ADJACENT TO CURB, SHALL NOT COMMENCE WITHIN 72 HOURS OF CURB PLACEMENT. LOCATIONS OF WATER AND SEWER SERVICE LINES SHALL BE CLEARLY MARKED ON ALL NEW CURBS. TESTING OF CONCRETE SHALL BE PER IDOT STANDARD. RESULTS SHALL BE PROVIDED TO THE CITY ENGINEER WITHIN 48 HOURS OF TESTING.

3) A 1/2" FIBER EXPANSION JOINT SHALL BE INSTALLED WHEN THE CURB ABUTS A SIDEWALK OR EXISTING CURB. FIBER EXPANSION JOINTS SHALL BE EXCLUDED AT HANDICAP RAMPS ABUTTING CURB.

4) CURB AND GUTTER AND BARRIER CURB SHALL HAVE SAWED CONTRACTION JOINTS AT MAXIMUM INTERVALS OF TEN (10) FEET. A 1/2" FIBER EXPANSION JOINT SHALL BE INSTALLED AT A MAXIMUM INTERVAL OF SIXTY (60) FEET. A 1/2" FIBER EXPANSION JOINT SHALL BE USED AT 5 FEET ON BOTH SIDE OF A CURB LINE STRUCTURE. TWO 18" LONG, 1" DIAMETER SMOOTH STEEL DOWEL BARS WITH GREASED CAPS SHALL BE USED AT EXPANSION JOINTS.

5) ALL CURBS SHALL BE STAMPED WITH A "W" OR "S" TO IDENTIFY WATER OR SANITARY LINES, RESPECTIVELY.

6) PAVEMENT SUBGRADE SHALL BE FINISHED TO ± 0.1 FOOT OF DESIGN SUBGRADE ELEVATIONS.

7) PRIOR TO PLACEMENT OF ANY PUBLIC PAVEMENT INCLUDING CURBS, THE SUBGRADE AND SUBBASE SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK (MINIMUM 20 TONS). PROOF ROLLING SHALL BE WITNESSED BY THE MATERIALS CONSULTANT AND THE ENGINEERING INSPECTOR. THE DENSITY OF THE SUBBASE MATERIAL SHALL BE TESTED BY THE MATERIALS CONSULTANT. PROVIDE A COPY OF THE TEST RESULTS TO THE CITY ENGINEER WITHIN 48 HOURS OF TESTING.

8) STRUCTURES WITHIN PAVEMENT AREAS SHALL BE PLATED DURING PAVING OPERATIONS (BAM & BINDER).

9) ALL EXISTING STRUCTURES (MANHOLES, CATCH BASINS, VALVE BOXES, ETC.) SHALL BE ADJUSTED TO MEET THE FINAL PAVEMENT OR GROUND SURFACE ELEVATION AS REQUIRED.

10) SAW CUTTING OF EXISTING CURB HEAD TO PROVIDE DEPRESSED CURB AT ENTRANCES IS PROHIBITED. THE CONTRACTOR SHALL SAW CUT EXISTING CURB AT LIMITS OF WORK AND REPLACE WITH DEPRESSED CURB AT ALL ENTRANCES. DRILL AND DOWEL ALL NEW CURB INCLUDING DEPRESSED CURB TO EXISTING CURB AS REQUIRED.

11) THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

TREE PLANTING

1) ALL CITY OWNED TREES AND SHRUBS SHALL BE PLANTED AT THE APPROVAL AND DIRECTION OF THE CITY AND IN ACCORDANCE WITH ANSI A300 (PART 6) LATEST EDITION. CONTACT ENGINEERING & FORESTRY PRIOR TO SELECTING, PLANTING, OR TRIMMING TREES BY CALLING 311 OR (847) 931-6001.

2) ALL TREES SHALL HAVE A MINIMUM DIAMETER OF 2"-2.5" MEASURED 6" OFF OF THE GROUND, DEPENDING ON SPECIES. TREES SHALL BE PLACED NO MORE THAN 40' APART ON BOTH SIDES OF THE STREET.

3) THE FOLLOWING GUIDELINES SHALL BE FOLLOWED WHEN PLACING TREES. NO TREE SHALL BE PLANTED CLOSER THAN:
10 FEET FROM HYDRANTS, DRIVEWAYS, B-BOXES & UNDERGROUND UTILITY STRUCTURES
15 FEET FROM STREET LIGHTS
50 FEET OF ANY RIGHT-OF-WAY INTERSECTION
100 FEET FROM ANY TRAFFIC CONTROL DEVICE (TRAFFIC LIGHT)

ADDITIONALLY, TREES MAY NEED TO BE WITHHELD FROM CORNERS WHERE SOUND ENGINEERING PRACTICE REQUIRES LONGER SIGHT LINES.

4) TREES SUBJECT TO DISEASE OR WITH FAST GROWING BRITTLE WOOD ARE PROHIBITED. THESE INCLUDE: AMERICAN ELM, CHINESE ELM, ALL SPECIES OF ASH, COTTONWOOD, BOX ELDERS, SILVER MAPLES, FEMALE GINKGO, BRADFORD PEAR, POPLARS ALL VARIETIES, PIN OAK, WILLOWS ALL VARIETIES AND EVERGREENS. THIS LIST INCLUDES EXAMPLES; ADDITIONAL SPECIES MAY BE ADDED AS DEEMED NECESSARY BY THE CITY OF ELGIN.

5) A FULL LIST OF ACCEPTABLE TREES CAN BE FOUND ON THE CITY OF ELGIN ENGINEERING DEPARTMENT WEBSITE IN THE DOCUMENT CENTER. THE CITY RESERVES THE RIGHT TO REMOVE ANY TREE OR INDIVIDUAL VARIETY FROM THE LIST.

6) TREES SELECTED FOR PLANTING SHALL BE LOCALLY GROWN WITHIN A 100 MILE RADIUS OF THE CITY OF ELGIN. THEY SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED BY THE CITY OF ELGIN PLANTING LIST AND SHALL BE TAGGED WITH THE SCIENTIFIC AND COMMON NAMES. THE CONTRACTOR INSTALLING THE TREES SHALL SUPPLY THE CITY WITH A LETTER STATING WHERE THE TREES WERE GROWN. THEY SHALL BE HEALTHY, FREE OF INSECTS AND DISEASE AND SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMAN'S STANDARD FOR NURSERY STOCK ANSI Z 60.1 LATEST EDITION. THE CITY RESERVES THE RIGHT TO TAG TREES IN THE GROUND.

7) IN AN EFFORT TO HAVE GREATER DIVERSITY OF PLANTING, THE FOLLOWING IS THE MINIMUM REQUIREMENT:
WHEN PLANTING:

1 TO 3 TREES	1 TREE VARIETY;
4 TO 5 TREES	2 DIFFERENT SPECIES FROM 2 DIFFERENT GENERA;
6 TO 9 TREES	3 DIFFERENT SPECIES FROM 2 DIFFERENT GENERA;
10 TO 24 TREES	4 DIFFERENT SPECIES FROM 3 DIFFERENT FAMILIES;
25 TO 49 TREES	6 DIFFERENT TREE SPECIES FROM 4 DIFFERENT GENERA AND 3 DIFFERENT FAMILIES;
50 OR MORE TREES	MAX. OF 25% FROM 1 FAMILY, 16% FROM 1 GENUS AND 8% FROM 1 SPECIES.

8) TREES PLANTED UNDER UTILITY WIRES SHALL BE SMALLER STATURE WHEN MATURE. CONTACT CITY OF ELGIN FORESTRY DEPARTMENT AT (847) 931-6001 FOR A LIST OF ACCEPTABLE TREES.

9) TREES DETERMINED TO BE UNSATISFACTORY BY THE CITY OF ELGIN SHALL BE REQUIRED TO BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE SAME OR LARGER SIZE TREE AND SPECIES ORIGINALLY PLANTED, WITHIN THIRTY (30) DAYS OF WRITTEN NOTIFICATION BY THE CITY OF ELGIN.

10) TREES SHALL BE TRIMMED ANNUALLY UNTIL ACCEPTED BY THE CITY. THIS TRIMMING SHALL CONFORM TO ANSI Z133 AND A300 LATEST EDITION. THE GOAL IS TO PRUNE FOR CLEARANCE, SINGLE LEADER, AND LONG TERM TREE HEALTH.

A) CANOPY ELEVATIONS WILL BE PERFORMED TO IMPROVE THE GENERAL APPEARANCE OF THE TREE AND THE STREET, AS WELL AS TO PROVIDE ADEQUATE CLEARANCE OF THE STREETS AND SIDEWALKS. STATE REQUIREMENTS SHALL BE FOLLOWED WHEN APPLICABLE. EXTREME CARE MUST BE TAKEN TO MAINTAIN A VISUALLY AESTHETIC SHAPE AND APPEARANCE.

B) ALL TREES NOT POSING A HAZARD TO ROAD TRAFFIC SHALL BE ELEVATED TO AN EASY WALKING CLEARANCE OF NO LESS THAN TEN (10) FEET ON SIDEWALKS, CURBS, AND DRIVEWAYS, ALSO PROVIDING ACCESS TO AND FROM PARKED CARS.

C) TREES ON PRIMARY AND SECONDARY ACCESS ROADS SHALL BE ELEVATED TO A HEIGHT OF NO LESS THAN FOURTEEN (14) FEET OVER SAID ROAD.

D) ALL TREE BRANCHES OBSTRUCTING TRAFFIC CONTROL DEVICES AND SIGNS SHALL BE TRIMMED BACK TO ALLOW VEHICULAR AND PEDESTRIAN TRAFFIC A CLEAR LINE OF SIGHT.

E) ALL WATERSPOUTS, AND TRUNK SPROUTS SHALL BE REMOVED FROM ALL MAIN LEADERS FROM A TREE IF THE SPROUT IS LOWER THAN FIFTEEN (15) FEET FROM GROUND LEVEL.

F) THREE (3) FEET OF OVERHEAD CLEARANCE, AND THREE (3) FEET OF SIDE CLEARANCE WILL BE TRIMMED AWAY FROM ANY UTILITY SERVICE LINE PROVIDING THAT THE LINE IS NOT AN OSHA EHAP ELECTRICAL HAZARD.

11) FOR TREE PRUNING & REMOVAL, CONTACT FORESTRY AT 311 FOR APPROVAL OF ALL CITY OWNED TREES.

12) THE ENGINEER WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST 7 DAYS PRIOR TO TREE REMOVAL AND PRIOR TO PLANTING FOR LAYOUT OF THE TREES.

13) THE CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL SODDING AREAS ABUTTING EXISTING OR NRW TREES BY MAINTAINING THE MULCH RING AROUND THE TREE.

REQUIREMENTS FOR AS-BUILT RECORD DRAWINGS

1) THE CONTRACTOR SHALL MAINTAIN AND KEEP AT JOB SITE, AN UP TO DATE SET OF "AS-BUILT" DRAWINGS SHOWING CHANGES FROM ORIGINAL PLANS. THESE DRAWINGS SHALL INCLUDE ALL PUBLIC IMPROVEMENTS AND INFORMATION FOR STORMWATER MANAGEMENT AREAS

2) "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE CITY ENGINEER IN A PDF OR OTHER UNALTERABLE ELECTRONIC FORMAT AT THE CONCLUSION OF THE PROJECT, PRIOR TO ANY FINAL INSPECTIONS FOR THEIR REVIEW. AFTER APPROVAL OF "AS-BUILT" DRAWINGS, THE DEVELOPER/OWNER'S ENGINEER WILL TRANSFER THE INFORMATION ON ORIGINAL PLANS AND FURNISH THE CITY A FINAL PDF VERSION. ELECTRONIC MEDIA SHALL BE SENT VIA AN ONLINE DOCUMENT SHARING LINK.

26) RECORD DRAWINGS SHALL BE SUBMITTED IN PLAN FORM. DIGITAL COPIES SHALL INCLUDE A TITLE SHEET, ALL PLAN AND PROFILE SHEETS, ALL OVERALL PLAN SHEETS AND ALL DETAIL AND NOTE SHEETS. ALL SHEETS MUST BE LABELED "RECORD DRAWING" WITH THE DATE AND ENGINEERS INITIALS. THE TITLE SHEET MUST HAVE THE ENGINEER'S SEAL AND SIGNATURE.

27) RECORD DRAWINGS SHALL CLEARLY SHOW THE FOLLOWING:

WATERMAIN

a) RIM ELEVATIONS AND NUMBERING OF VALVE VAULTS; BREAKAWAY FLANGE ELEVATION OF FIRE HYDRANTS; TOP OF PIPE ELEVATIONS OF WATERMAIN AT VALVE BOXES, VAULTS AND EVERY 50' BETWEEN.

b) LINEAR DISTANCE ALONG WATERMAIN FROM APPURTENANCE (I.E. VALVE VAULT TO TEE, TEE TO BEND, BEND TO VALVE, ETC.); ALSO VERIFICATION OF PIPE SIZES INSTALLED.

c) HORIZONTAL TIES TO ALL VALVE VAULTS, BOXES, HYDRANTS AND SAMPLING STATIONS (1 FOOT TOLERANCES).

d) LOCATION OF SERVICE CONNECTION ALONG MAIN, INCLUDING HORIZONTAL TIES ON B-BOX.

e) PUBLIC IRRIGATION SYSTEMS INCLUDING ALL VALVE VAULTS, LOCATION OF SPRINKLER HEADS, RPZ, METERS AND PIPING.

f) CASING LOCATIONS TIED TO VALVE VAULTS.

SANITARY

a) RIM ELEVATIONS AND NUMBERING OF MANHOLES; INVERT ELEVATION FOR ALL PIPES IN MANHOLES; TOP OF PIPE ELEVATIONS OF SANITARY FORCEMAIN AT EVERY STRUCTURE, BEND AND AT 50' INTERVALS.

b) LINEAR DISTANCE ALONG SEWER FROM STRUCTURE TO STRUCTURE; ALSO VERIFICATION OF PIPE SIZES AND MATERIAL INSTALLED.

c) RECALCULATED PIPE SLOPES BASED ON INVERT TO INVERT ELEVATIONS ALONG THE LINEAR DISTANCE BETWEEN MANHOLES.

d) SERVICE CONNECTIONS ON THE MAIN LINE WITH DISTANCE TO DOWNSTREAM MANHOLE. STUB LOCATION AT PROPERTY LINE TIED TO PROPERTY CORNER.

STORM

a) RIM ELEVATIONS AND NUMBERING OF ALL STRUCTURES INCLUDING MANHOLES, CATCH BASINS, INLETS, END SECTIONS, AND TOP AND BOTTOM OF SLOPE BOXES, HEADWALLS AND OTHER SPECIAL STRUCTURES; INVERT ELEVATION FOR ALL PIPES IN ALL STRUCTURES LISTED ABOVE INCLUDING CULVERTS.

b) LINEAR DISTANCE ALONG SEWER OR SUBDRAIN FROM STRUCTURE TO STRUCTURE; ALSO VERIFICATION OF PIPE SIZES AND MATERIAL INSTALLED.

c) RECALCULATED PIPE SLOPES BASED ON INVERT TO INVERT ELEVATIONS ALONG THE LINEAR DISTANCE BETWEEN STRUCTURES.

d) ALL PUBLICLY AND PRIVATELY OWNED UTILITY MAINS MUST BE CLEARLY LABELED AS SUCH ON THE RECORD DRAWING TOGETHER WITH A NOTE THAT STATES THE AGENCIES THAT WILL BE RESPONSIBLE TO OWN AND MAINTAIN THE UTILITY MAINS.

STORMWATER MANAGEMENT

A TOPOGRAPHICAL SURVEY PREPARED BY AN ILLINOIS LICENSED PROFESSIONAL ENGINEER OR ILLINOIS PROFESSIONAL LAND SURVEYOR OF THE FOLLOWING:

a) DETENTION AND RETENTION BASINS, INCLUDING SPOT ELEVATIONS AND GRADING CONTOUR LINES TO SHOW THOSE AREAS HAVE BEEN CONSTRUCTED IN COMPLIANCE WITH THE APPROVED ENGINEERING PLANS.

b) CONSTRUCTED OR REGRADED STREAMS AND CHANNELS.

c) OVERFLOW ROUTES (INCLUDING STREET AREAS THAT ACT AS OVERFLOW ROUTES) AND VERIFY ALL CROSS SECTIONS CALLED OUT IN THE PLANS.

d) STREET DEPRESSIONS AND PARKING LOTS WHICH ARE PLANNED DETENTION AREAS.

e) PERMANENT AND/OR TEMPORARY DIVERSION BERMS, SWALES AND CONTROL STRUCTURES.

f) DETAIL FOR OUTLET CONTROL STRUCTURE.

g) HWL NUMERICALLY AND GRAPHICALLY AS A CONTOUR LINE.

h) INVERT ELEVATION OF THE RESTRICTOR.

i) A TABLE FOR STORMWATER DETENTION FOR THE FOLLOWING VALUES: DETENTION VOLUME REQUIRED, DETENTION VOLUME PROPOSED, DETENTION VOLUME PROVIDED, MAXIMUM ALLOWABLE RELEASE RATE, PROPOSED RELEASE RATE, AND AS-BUILT RELEASE RATE.

j) DETAIL FOR UNDERGROUND DETENTION SYSTEM, INCLUDING CRITICAL ELEVATIONS SUCH AS VAULT CEILING AND FLOOR.

k) RECORD INFORMATION FOR ALL PUBLIC IMPROVEMENTS WITHIN THE STORMWATER MANAGEMENT AREA MUST BE DEPICTED ON THE RECORD DRAWINGS.

MISCELLANEOUS

a) STREET LIGHT POLES AND CABLE LOCATIONS. PLEASE NOTE POWER CONNECTION LOCATION ALSO.

b) PARKWAY TREE LOCATIONS WITH COMMON NAME AND TRUNK DIAMETER MEASURED 6" OFF THE GROUND.

c) PAVEMENT CENTERLINE AND TOP OF CURB ELEVATIONS AT INTERVALS AS NECESSARY TO EASILY IDENTIFY LOCATION OF THE PAVEMENT AND OVERFLOW LOCATIONS.

d) ANY UNUSUAL CONDITIONS WHICH MAY AFFECT THE PUBLIC OR PRIVATE IMPROVEMENTS SUCH AS FIELD TILES.

e) THE ENGINEER SHALL PROVIDE DOCUMENTATION REGARDING DEVIATIONS FROM THE PLANS. THIS MAY BE DONE IN LETTER FORM

f) ENGINEER'S STATEMENT TO BE INCLUDED ON RECORD DRAWING:

ENGINEER'S STATEMENT OF PUBLIC IMPROVEMENTS -
RECORD DRAWINGS
CONSTRUCTED PER PLANS

PURSUANT TO ELGIN MUNICIPAL CODE 18.20.050, I, _____, A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF ILLINOIS, HEREBY DECLARE THAT THESE RECORD DRAWINGS PERTAINING TO WATER MAIN, SANITARY SEWER, STORM SEWER, DETENTION BASIN GRADES HAVE BEEN PREPARED FOR A CERTAIN PROJECT KNOWN AS _____ AND CONTAIN INFORMATION AS OBTAINED BY THE SURVEYOR _____ _____; IT IS MY PROFESSIONAL OPINION THAT THE FURNISHED INFORMATION REGARDING COMPLETED CONSTRUCTION, AS REFLECTED ON THESE PLANS, IS IN GENERAL CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT.

DATE _____
SIGNED _____
ILLINOIS LICENSE NUMBER: _____
MY LICENSE EXPIRES ON _____

NOTE:

THE CITY OF ELGIN MAY BE REACHED DURING REGULAR BUSINESS HOURS BY DIALING 311 WITHIN THE CITY LIMITS OR 847-931-6001 OUTSIDE OF ELGIN.

GENERAL QUESTIONS OR REQUESTS MAY ALSO BE EMAILED TO elgin311@cityofelgin.org

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 80% STP-L 20% LA 0004	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 80% STP-L 20% LA 0042
Δ	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	290	290		
Δ	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	156	156		
Δ	20101100	TREE TRUNK PROTECTION	EACH	8	8		
Δ	20101200	TREE ROOT PRUNING	EACH	8	8		
	20200100	EARTH EXCAVATION	CU YD	7,547	7,547		
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3,583	3,583		
	20800150	TRENCH BACKFILL	CU YD	6,615	4,514	2,101	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	7,913	7,913		
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	945	945		
	21101630	TOPSOIL FURNISH AND PLACE, 8"	SQ YD	2,953	2,953		
Δ	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	37	37		
Δ	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	37	37		
Δ	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	37	37		
Δ	25200110	SODDING, SALT TOLERANT	SQ YD	2,953	2,953		
Δ	25200200	SUPPLEMENTAL WATERING	UNIT	89	89		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	61	61		
	28000400	PERIMETER EROSION BARRIER	FOOT	526	526		

Δ INDICATES SPECIALTY ITEM

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 1 OF 15 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	5

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

USER NAME = JMarvig PLOT SCALE = 1:2.00009
PLOT DATE = 8/28/2024 12:44:59 PM
MODEL: Default
FILE NAME: H:\SDSKProj\EG_Elgin\2021\EG2102\Dgn Final Eng\EG2102-sht-soq-01.dgn

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 80% STP-L 20% LA 0004	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 80% STP-L 20% LA 0042
	28000510	INLET FILTERS	EACH	93	93		
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2,953	2,953		
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	2,638	2,638		
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	19,332	19,332		
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	4,280	4,280		
	35501303	HOT-MIX ASPHALT BASE COURSE, 4 3/4"	SQ YD	17,142	17,142		
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	38,570	38,570		
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7,927	7,927		
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	19,662	19,662		
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	15	15		
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	237	237		
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2,259	2,259		
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2,008	2,008		
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	608	608		
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	25,695	25,695		
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	3,528	3,528		
	42400800	DETECTABLE WARNINGS	SQ FT	409	409		

Δ INDICATES SPECIALTY ITEM

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 80% STP-L 20% LA 0004	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 80% STP-L 20% LA 0042
	44000100	PAVEMENT REMOVAL	SQ YD	20,159	20,159		
	44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"	SQ YD	316	316		
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	850	850		
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6,462	6,462		
	44000600	SIDEWALK REMOVAL	SQ FT	30,881	30,881		
	44201701	CLASS D PATCHES, TYPE I, 5 INCH	SQ YD	8	8		
	44201705	CLASS D PATCHES, TYPE II, 5 INCH	SQ YD	24	24		
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	31	31		
	550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	2,644	2,644		
	550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	456	456		
	550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	354	354		
	550A2550	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 21"	FOOT	105	105		
	550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	345	345		
	550A2580	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	881	881		
	550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2, 36"	FOOT	305	305		
	55100400	STORM SEWER REMOVAL 10"	FOOT	299	299		
	55100500	STORM SEWER REMOVAL 12"	FOOT	48	48		

Δ INDICATES SPECIALTY ITEM

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 80% STP-L 20% LA 0004	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 80% STP-L 20% LA 0042
	55100700	STORM SEWER REMOVAL 15"	FOOT	966	966		
	55100900	STORM SEWER REMOVAL 18"	FOOT	635	635		
Δ	56104900	WATER VALVES 6"	EACH	2		2	
Δ	56105000	WATER VALVES 8"	EACH	26		26	
Δ	56200300	WATER SERVICE LINE 1"	FOOT	952		952	
Δ	56200500	WATER SERVICE LINE 1 1/2"	FOOT	15		15	
Δ	56201400	CORPORATION STOPS 1"	EACH	29		29	
Δ	56201600	CORPORATION STOPS 1 1/2"	EACH	1		1	
Δ	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	6		6	
Δ	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	13		13	
Δ	56500800	DOMESTIC WATER SERVICE BOXES	EACH	30		30	
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	6,877	6,877		
	60220200	MANHOLES, TYPE A, 4'-DIAMETER	EACH	22	22		
	60222900	MANHOLES, TYPE A, 5'-DIAMETER	EACH	16	16		
	60224075	MANHOLES, TYPE A, 6'-DIAMETER	EACH	4	4		
	60224125	MANHOLES, TYPE A, 7'-DIAMETER	EACH	1	1		
Δ	60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	28		28	

Δ INDICATES SPECIALTY ITEM

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 75% STP-L 25% LA 0005	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 75% STP-L 25% LA 0042
	60404800	FRAMES AND GRATES, TYPE 11	EACH	28	28		
	60404805	FRAMES AND GRATES, TYPE 11V	EACH	53	53		
	60404900	FRAMES AND GRATES, TYPE 12	EACH	1	1		
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	41	41		
	60500040	REMOVING MANHOLES	EACH	7	7		
	60500050	REMOVING CATCH BASINS	EACH	2	2		
	60500060	REMOVING INLETS	EACH	10	10		
	60600605	CONCRETE CURB, TYPE B	FOOT	60	60		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	6,330	6,330		
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	83	83		
	60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	344	344		
Δ	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,738	1,738		
Δ	66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10		
Δ	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
Δ	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
Δ	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	200	200		
	67100100	MOBILIZATION	L SUM	1	1		

Δ INDICATES SPECIALTY ITEM

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 75% STP-L 25% LA 0005	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 75% STP-L 25% LA 0042
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	200	200		
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	3,240	3,240		
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,600	1,600		
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,700	1,700		
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	397	397		
	70300221	TEMPORARY PAVEMENT MARKING - LINE - 4" - PAINT	FOOT	10,280	10,280		
	70300241	TEMPORARY PAVEMENT MARKING - LINE - 6" - PAINT	FOOT	1,777	1,777		
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	1,122	1,122		
	70300281	TEMPORARY PAVEMENT MARKING - LINE - 24" - PAINT	FOOT	294	294		
	70307120	TEMPORARY PAVEMENT MARKING - LINE - 4" - TYPE IV TAPE	FOOT	3,500	3,500		
Δ	72000100	SIGN PANEL - TYPE 1	SQ FT	110	110		
	72400100	REMOVE SIGN PANEL ASSEMBLY TYPE A	EACH	16	16		
	72400200	REMOVE SIGN PANEL ASSEMBLY TYPE B	EACH	9	9		
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	68	68		
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9		
	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	10	10		
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	58	58		

Δ INDICATES SPECIALTY ITEM

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Δ	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	40	40		
Δ	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	397	397		
Δ	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5130	5,130		
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,777	1,777		
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,122	1,122		
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	294	294		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	228	228		
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	500	500		
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	4706	4,706		
Δ	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1		
Δ	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1		
Δ	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	838	838		
Δ	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	34	34		
Δ	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	121	121		
Δ	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1191	1,191		
Δ	81400100	HANDHOLE	EACH	11	11		
Δ	81400300	DOUBLE HANDHOLE	EACH	1	1		

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SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 75% STP-L 25% LA 0005	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 75% STP-L 25% LA 0042
Δ	81603085	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2,630	2,630		
Δ	81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	150	150		
Δ	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	20	20		
Δ	82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	1		
Δ	83007300	LIGHT POLE, ALUMINUM, 35 FT. M.H., 8 FT. MAST ARM	EACH	17	17		
Δ	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	12	12		
Δ	83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	17	17		
Δ	83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	8	8		
Δ	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2	2		
Δ	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2905	2905		
Δ	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,240	2,240		
Δ	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,359	2,359		
Δ	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	50	50		
Δ	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1055	1055		
Δ	87500600	TRAFFIC SIGNAL POST, 10FT	EACH	2	2		
Δ	87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1	1		
Δ	87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1	1		

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Δ	87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	2	2		
Δ	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28	28		
Δ	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3	3		
Δ	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27	27		
Δ	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30	30		
Δ	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8	8		
Δ	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	4		
Δ	88102719	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, POST MOUNTED WITH COUNTDOWN TIMER	EACH	8	8		
Δ	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8	8		
Δ	88600100	DETECTOR LOOP, TYPE I	FOOT	96	96		
Δ	88700200	LIGHT DETECTOR	EACH	4	4		
Δ	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1		
Δ	89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1	1		
Δ	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,000	6,000		
Δ	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1		
Δ	89502380	REMOVE EXISTING HANDHOLE	EACH	9	9		
Δ	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	1		

Δ INDICATES SPECIALTY ITEM

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 75% STP-L 25% LA 0005	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 75% STP-L 25% LA 0042
Δ	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11	11		
Δ	89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	2	2		
Δ	A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2		
Δ	A2004420	TREE, GINKGO BILOBA (GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	13	13		
Δ	A2005470	TREE, MALUS JFS KW213MX, (RASPBERRY SPEAR CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	13	13		
Δ	A2006606	TREE, QUERCUS COCCINEA (SCARLET OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
Δ	A2015994	TREE, FAGUS SYLVATICA, EUROPEAN BEECH, 2-1/2" BALLED AND BURLAPPED	EACH	2	2		
Δ	A2016814	TREE, QUERCUS SHUMARDII (SHUMARD RED OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	1	1		
Δ	B2003116	TREE, MALUS CORALBURST (CORALBURST CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	13	13		
Δ	K0036120	MULCH PLACEMENT 4"	SQ YD	80	80		
Δ	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	266	266		
Δ	X0325207	TELEVISION INSPECTION OF SEWER	FOOT	7,407	5,090	2,317	
	X0326806	WASHOUT BASIN	L SUM	1	1		
	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	140	140		
	X0327989	REMOVE EXISTING BRICK PAVERS	SQ FT	203	203		
Δ	X1200015	VALVE VAULTS TO BE ABANDONED	EACH	20		20	
Δ	X1200230	PRESSURE TESTING AND DISINFECTION	L SUM	1		1	

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Δ	X1400102	OUTDOOR RATED NETWORK CABLE	FOOT	210	210		
Δ	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1		
Δ	X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	4	4		
Δ	X1400335	WIRELESS TRANSMISSION SYSTEM POINT TO POINT	EACH	1	1		
Δ	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1	1		
Δ	X2080250	TRENCH BACKFILL (SPECIAL)	CU YD	1,042		1,042	
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	10	10		
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	12	12		
	X4024100	TEMPORARY ACCESS (WINTERIZE)	SQ YD	365	365		
	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SPECIAL)	SQ FT	3,259	3,259		
	X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (SPECIAL)	SQ FT	185	185		
Δ	X5430208	CURED-IN-PLACE PIPE LINER, 8"	FOOT	1,734		1,734	
Δ	X5430210	CURED-IN-PLACE PIPE LINER, 10"	FOOT	973		973	
	X5510010	STORM SEWER CONNECTION	EACH	6	6		
Δ	X5510306	SANITARY SEWER REMOVAL 6"	FOOT	1,623		1,623	
Δ	X5510308	SANITARY SEWER REMOVAL 8"	FOOT	397		397	
Δ	X5510310	SANITARY SEWER REMOVAL 10"	FOOT	200		200	

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Δ	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	4,512		4,512	
Δ	X5610007	WATER MAIN INSULATION	FOOT	20		20	
Δ	X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	3,441		3,441	
Δ	X5610744	WATER MAIN LINE STOP 4"	EACH	2		2	
Δ	X5610746	WATER MAIN LINE STOP 6"	EACH	10		10	
Δ	X5610748	WATER MAIN LINE STOP 8"	EACH	5		5	
Δ	X5611106	DUCTILE IRON WATER MAIN, CLASS 52 WITH POLYETHYLENE ENCASEMENT, 6"	FOOT	177		177	
Δ	X5611108	DUCTILE IRON WATER MAIN, CLASS 52 WITH POLYETHYLENE ENCASEMENT, 8"	FOOT	3,491		3,491	
Δ	X5630004	CUT AND CAP EXISTING 4" WATER MAIN	EACH	2		2	
Δ	X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	11		11	
Δ	X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	4		4	
Δ	X5630212	SANITARY SEWER CONNECTION	EACH	48		48	
Δ	X5630704	CONNECTION TO EXISTING WATER MAIN 4"	EACH	2		2	
Δ	X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	10		10	
Δ	X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	5		5	
	X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2	2		
	X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		2	

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DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 12 OF 15 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	16

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 75% STP-L 25% LA 0005	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 75% STP-L 25% LA 0042
	X6025800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID (SPECIAL)	EACH	2	2		
Δ	X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	2		2	
Δ	X6026056	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	15		15	
Δ	X6026057	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1		1	
Δ	X6026622	VALVE VAULTS TO BE REMOVED	EACH	5		5	
Δ	X6026623	VALVE BOX	EACH	5		5	
	X6028000	MANHOLES TO BE RECONSTRUCTED (SPECIAL)	EACH	1	1		
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	20	20		
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
	X7240500	RELOCATE EXISTING SIGNS	EACH	1	1		
Δ	X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	590	590		
Δ	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	228	228		
	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	56	56		
Δ	X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	56	56		
Δ	X8130130	JUNCTION BOX TO BE ADJUSTED	EACH	9	9		
Δ	X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	20	20		
Δ	X8440110	RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	2	2		

Δ INDICATES SPECIALTY ITEM

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 75% STP-L 25% LA 0005	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 75% STP-L 25% LA 0042
Δ	X8570235	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1	1		
Δ	X8620200	UNINTERUPTABLE POWER SUPPLY (SPECIAL)	EACH	1	1		
Δ	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8		
Δ	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4	4		
Δ	X8870300	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1	1		
Δ	X8950450	REMOVE EXISTING UNDERGROUND CONDUIT	FOOT	404	404		
Δ	XX005106	PVC CASING PIPE, 18"	FOOT	80		80	
Δ	XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1	1		
Δ	XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1	1		
	XX007031	FRAME AND GRATE, SPECIAL	EACH	1	1		
Δ	XX007776	REMOVE AND ABANDON VALVE BOX	EACH	5		5	
Δ	XX008453	ETHERNET SWITCH, TYPE 1	EACH	1	1		
	XX008824	CATCH BASINS, SPECIAL	EACH	80	80		
Δ	XX009091	SANITARY MANHOLE LINING	FOOT	152		152	
Δ	Z0001110	GAS VALVE TO BE ADJUSTED	EACH	8	8		
	Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	129	129		
Δ	Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	1	1		

Δ INDICATES SPECIALTY ITEM

SPTY.	CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY ROADWAY 75% STP-L 25% LA 0005	QUANTITY WATER MAIN SANITARY SEWER 100% LA 0043	QUANTITY TRAINEES 75% STP-L 25% LA 0042
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	436	436		
Δ	Z0015000	CURB STOPS 1"	EACH	29		29	
Δ	Z0015200	CURB STOPS 1 1/2"	EACH	1		1	
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	253	253		
Δ	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	16	16		
Δ	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	1		
Δ	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1	1		
Δ	Z0036200	PAINT CURB	FOOT	400	400		
	Z0051398	REMOVE EXISTING SIGN POST	EACH	1	1		
Δ	Z0056800	SANITARY SEWER 6"	FOOT	1,623		1,623	
Δ	Z0056900	SANITARY SEWER 8"	FOOT	397		397	
Δ	Z0057000	SANITARY SEWER 10"	FOOT	200		200	
	Z0062456	TEMPORARY PAVEMENT	SQ YD	5,500	5,500		
Δ	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4	4		
Δ	Z0076100	TRACK REMOVAL	FOOT	2,500	2,500		
	Z0076600	TRAINEES	HOUR	2,500			2,500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2,500			2,500
	Z0076870	UNDERDRAIN CONNECTION TO STRUCTURE	EACH	120	120		

Δ INDICATES SPECIALTY ITEM

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50 YEARS
Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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DRAWN -	REVISED -		
CHECKED -	REVISED -		
DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

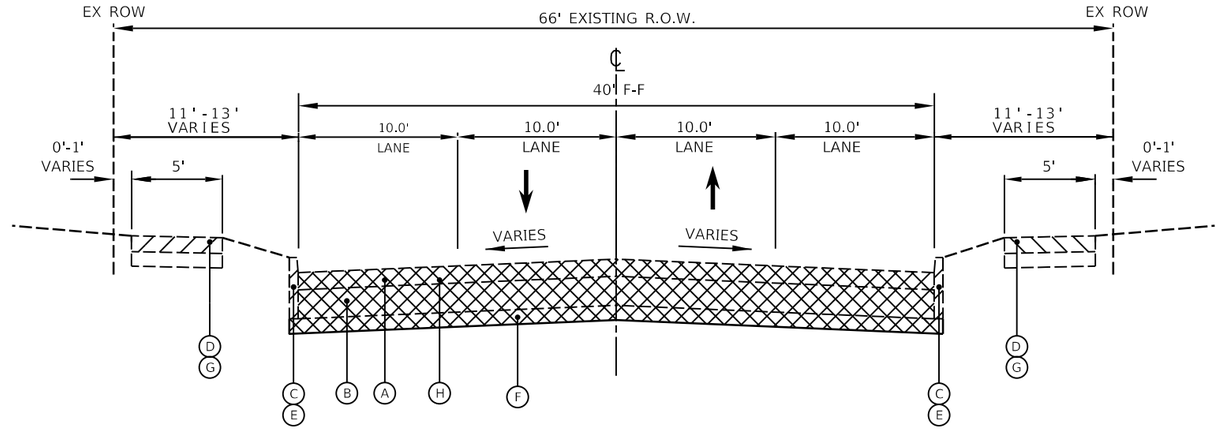
DUNDEE AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET 15 OF 15 SHEETS | STA. TO STA.

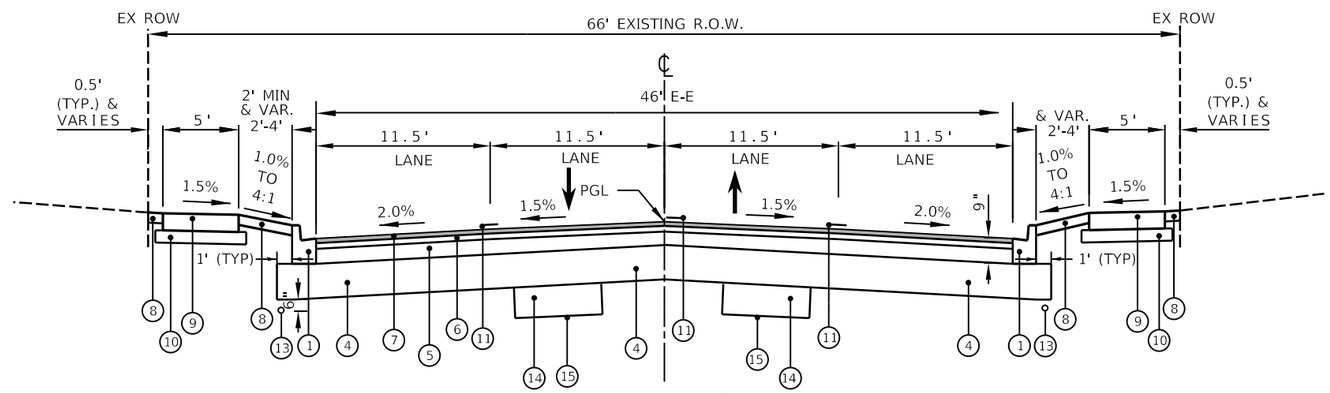
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	19

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



EXISTING TYPICAL SECTION
DUNDEE AVENUE
STA. 103+50 TO STA. 131+24



PROPOSED TYPICAL SECTION
DUNDEE AVENUE
STA. 103+50 TO STA. 109+00
STA. 113+00 TO STA. 130+80
(RECONSTRUCTION ENDS STA. 130+80)

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT, VARIES 3"-6"
- (B) EXISTING CONCRETE BASE AND BRICK PAVERS, VARIES 4"-12"
- (C) EXISTING CONCRETE CURB AND GUTTER (VARIOUS TYPES) (OVERLAYED WITH ASPHALT IN VARIOUS LOCATIONS)
- (D) EXISTING SIDEWALK
- (E) CURB REMOVAL
- (F) EARTH EXCAVATION
- (G) SIDEWALK REMOVAL (VARIOUS LOCATIONS)
- (H) PAVEMENT REMOVAL

PROPOSED LEGEND

- (1) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (2) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12
- (3) DEPRESSED CONCRETE CURB AND GUTTER
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ YD)
- (5) HOT-MIX ASPHALT BASE COURSE, 4 3/4"
- (6) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (7) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D". N70, 2"
- (8) TOPSOIL, 8", SODDING (SALT TOLERANT), FERTILIZER
- (9) PORTLAND CEMENT CONCRETE SIDEWALK, 5" (6" THROUGH DRIVEWAYS)
- (10) AGGREGATE BASE COURSE, TYPE B, 4"
- (11) PAVEMENT MARKING LINE
- (12) CONTINUOUS REINFORCEMENT BAR, NO. 6
- (13) PIPE UNDERDRAINS, TYPE 2, 4"
- (14) AGGREGATE SUBGRADE IMPROVEMENT, 12" (CU YD), (AS NEEDED)
- (15) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AS NEEDED)

*TROLLEY TRACKS AND RAILS NOT SHOWN. SEE SPECIFICATIONS FOR DETAILS.

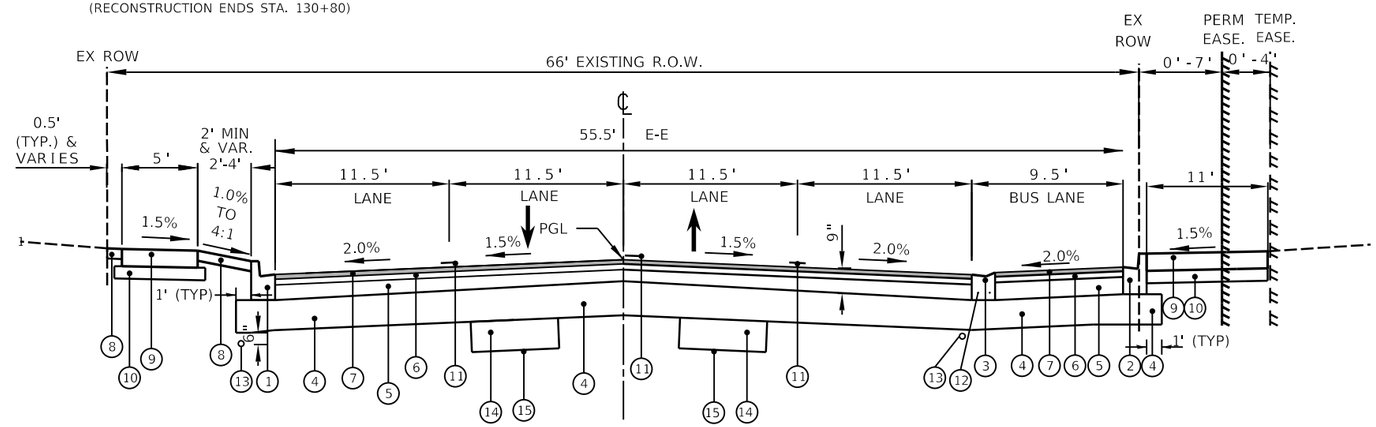
*THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BEFORE AND AFTER THE TOP LIFT OF HMA BINDER COURSE IL-19.0 N70

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

OPERATION	MIXTURE TYPE	AIR VOIDS @ N_{des}	QMP
DUNDEE AVENUE PAVING	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 Gyr.	LR 1030-2
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"	4% @ 70 Gyr.	LR 1030-2
	HOT-MIX ASPHALT BASE COURSE, 4-3/4" (HMA BINDER IL-19.0)	4% @ 70 Gyr.	LR 1030-2
SIDE STREET RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1-1/2"	4% @ 70 Gyr.	LR 1030-2
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2-1/4"	4% @ 70 Gyr.	LR 1030-2
CLASS D PATCHES	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 Gyr.	LR 1030-2
DRIVEWAYS	HOT-MIX ASPHALT DRIVEWAY PAVEMENT 4" (IN TWO LIFTS) (HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL-9.5)	4% @ 50 Gyr.	LR 1030-2
TEMPORARY PAVEMENT	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"	4% @ 70 Gyr.	LR 1030-2
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 Gyr.	LR 1030-2
TEMPORARY ACCESS (WINTERIZED)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2.			

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES 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 RECLAIMED MATERIALS SPECIFICATIONS



PROPOSED TYPICAL SECTION
DUNDEE AVENUE
STA. 109+00 TO STA. 113+00

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CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	20

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

STORM SEWER REMOVAL

STATION	55100400 STORM SEWER REMOVAL 10"	55100500 STORM SEWER REMOVAL 12"	55100700 STORM SEWER REMOVAL 15"	55100900 STORM SEWER REMOVAL 18"	60500040 MANHOLES TO BE REMOVED	60500050 CATCH BASINS TO BE REMOVED	60500060 INLETS TO BE REMOVED
UNIT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH
103+50 TO 106+00	51			250	1		2
106+00 TO 112+00	95		256	385	2		5
112+00 TO 118+00	68	48	600		2	2	1
118+00 TO 124+00	85		110		2		2
124+00 TO 130+00							
130+00 TO 130+80							
TOTAL	**299**	**48**	**966**	**635**	**7**	**2**	**10**

TREE REMOVAL

STATION	OFFSET	LT/RT	20100110 TREE REMOVAL 6-15	20100210 TREE REMOVAL OVER 15
			UNIT	UNIT
103+63	25.6	RT	6	
105+31	25.4	RT	8	
105+64	25.4	RT	6	
106+94	25.3	RT	14	
107+55	25.4	RT	12	
108+71	24.7	LT	14	
109+34	28.1	RT		16
110+00	24.4	LT		22
110+47	24.5	LT		18
111+23	24.4	LT		30
112+03	28.6	RT		16
112+41	23.7	RT		20
112+63	28.6	RT	14	
116+49	25.6	LT	12	
117+12	24.7	LT	14	
118+15	26.3	LT	8	
118+28	25.0	LT	12	
118+52	25.0	RT		18
118+57	25.1	LT	10	
121+51	25.9	LT	12	
121+93	25.1	LT	10	
122+02	24.7	RT	8	
122+20	25.3	LT	12	
123+38	39.0	RT	6	
123+79	25.6	LT	14	
124+28	25.8	LT	14	
124+74	24.9	LT		16
125+19	25.8	RT	6	
125+49	25.2	RT	6	
125+50	24.8	RT	6	
126+24	25.4	RT	6	
126+71	25.4	RT	8	
128+41	25.5	LT	14	
128+60	24.9	RT	8	
128+80	24.5	RT	8	
128+99	24.6	RT	8	
129+34	25.3	LT	14	
		TOTAL	**290**	**156**

TREE PROTECTION

STATION	20101100 TREE TRUNK PROTECTION	20101200 TREE ROOT PRUNING
UNIT	EACH	EACH
103+50 TO 107+50	2	2
107+50 TO 112+00	1	1
112+00 TO 118+00		
118+00 TO 124+00	2	2
124+00 TO 130+00	3	3
130+00 TO 130+80		
TOTAL	**8**	**8**

PATCHING

STATION	44201701 CL D PATCH T1 5	44201705 CL D PATCH T2 5	44201759 CL D PATCH T4 9
UNIT	SQ YD	SQ YD	SQ YD
103+50 TO 106+00			
106+00 TO 112+00	8		
112+00 TO 118+00			
118+00 TO 124+00		12	
124+00 TO 130+00		12	
130+00 TO 130+80			31
TOTAL	**8**	**24**	**31**

STATION	20800150 TRENCH BACKFILL (PR STORM SEWER)	20800150 TRENCH BACKFILL (PR WATER MAIN)	20800150 TRENCH BACKFILL (EX STORM REM)	X2080250 TRENCH BACKFILL (SPECIAL)
	CU YD	CU YD	CU YD	CU YD
103+50 TO 106+00	559	205	132	192
106+00 TO 112+00	1313	436	319	328
112+00 TO 118+00	932	458	285	165
118+00 TO 124+00	506	491	77	106
124+00 TO 130+00	349	461		198
130+00 TO 130+80	42	50		53
TOTAL	**3701**	**2101**	**813**	**1042**

WATER MAIN REMOVAL/ABANDONMENT

STATION	56400500 FIRE HYDRANTS TO BE REMOVED	X1200015 VALVE VAULTS ABANDON	X5630004 CUT AND CAP EX 4" WATER MAIN	X5630006 CUT AND CAP EX 6" WATER MAIN	X5630008 CUT AND CAP EX 8" WATER MAIN	X6026622 W REMOVED	X6026623 VALVE BOX	XX007776 REM & ABAND VALVE BOX
UNIT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
103+50 TO 106+00	1	3		2				
106+00 TO 112+00	1	4		2	1			
112+00 TO 118+00	0	4		4		1	1	1
118+00 TO 124+00	3	4	2	1	1	3	3	3
124+00 TO 130+00	1	5		2	1	1	1	1
130+00 TO 130+80	0				1			
TOTAL	**6**	**20**	**2**	**11**	**4**	**5**	**5**	**5**

ROADWAY REMOVAL

STATION	44000100 PAVEMENT REMOVAL	44000163 HMA SURFACE REMOVAL 3.5"	44000200 DRIVEWAY PAVEMENT REMOVAL	44000500 CONC CURB AND GUTTER REMOVAL	44000600 SIDEWALK REMOVAL
UNIT	SQ YD	SQ YD	SQ YD	FOOT	SQ FT
103+50 TO 107+50	1481		97	633	3079
107+50 TO 112+00	4254	90	77	1317	5383
112+00 TO 118+00	4888		312	1520	7576
118+00 TO 124+00	4644	75	78	1483	7131
124+00 TO 130+00	4513	150	255	1349	6739
130+00 TO 130+80	379		29	160	972
TOTAL	**20159**	**316**	**850**	**6462**	**30881**

ROADWAY QUANTITIES

STATION	30300112 AGG SUBGRADE IMP 12	35501303 HMA BASE CSE 4.75	40600275 BIT MATLS PRIME CT	40600290 BIT MATLS TACK CT	40603085 HMA BC IL-19.0 N70	40604062 HMA SC IL-9.5 MIX D N70	60600605 CONCRETE CURB, TYPE B	60603800 COMB CC&G B-6.12	60604400 COMB CC&G B-6.18	60605900 COMB CC&G B-9-12
UNIT	SQ YD	SQ YD	POUND	POUND	TON	TON	FOOT	FOOT	FOOT	FOOT
103+50 TO 106+00	1684	1520	3421	684	197	175		614		
106+00 TO 112+00	4114	3678	8275	1716	487	433		1257	18	258
112+00 TO 118+00	4446	4006	9014	1803	518	461	60	1597	20	86
118+00 TO 124+00	4318	3814	8581	1767	503	447		1373	45	
124+00 TO 130+00	4329	3757	8453	1792	505	449		1329		
130+00 TO 130+80	441	367	825	165	49	43		160		
TOTAL	**19332**	**17142**	**38570**	**7927**	**2259**	**2008**	**60**	**6330**	**83**	**344**

DRIVEWAY PAVEMENT AND SIDEWALK

STATION	LT/RT	35101600 AGG BASE CSE B 4	42300200 PCC DRIVEWAY PAVEMENT 6"	42400200 PCC SIDEWALK 5"	42400300 PCC SIDEWALK 6"	42400800 DETECTABLE WARNINGS	X4240430 PCC SIDEWALK 5" SPL	X4240440 PCC SIDEWALK 6" SPL
UNIT		SQ YD	SQ YD	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT
103+50 TO 106+28	RT	183	23.4	1178	256	42		
103+50 TO 105+37	LT	114	11.2	805	122	14		
250+53 TO 251+11	RT	33		293				
250+54 TO 251+39	LT	48		428				
300+21 TO 300+71	RT	26		238				
300+52 TO 300+72	LT	11		99				
105+72 TO 109+00	LT	202	18.9	1330	320	50		
106+67 TO 108+78	RT	115	14.0	902	11	24		
108+78 TO 113+33	RT	401	17.9				3259	185
350+18 TO 350+41	RT	12		112				
350+28 TO 350+73	LT	29		257				
109+42 TO 112+76	LT	204	21.0	1228	418	31		
113+33 TO 115+07	RT	104	6.4	810	67	20		
113+18 TO 114+13	LT	51		457		30		
400+52 TO 400+83	RT	16		147				
400+40 TO 401+13	LT	40		364				
450+31 TO 451+20	LT	214	119.1	852				
450+34 TO 451+37	RT	98	40	521				
500+20 TO 500+97	RT	78	35.1	272	110			
500+54 TO 501+02	LT	25		225				
114+65 TO 118+87	LT	266	33.2	1338	754	21		
115+49 TO 118+94	RT	202	11.8	1565	145	22		
600+69 TO 600+96	RT	14		126				
600+68 TO 601+31	LT	94	60.3	307				
550+18 TO 550+55	RT	19		173				
550+53 TO 550+80	LT	14		127				
119+29 TO 122+78	RT	200	8.9	1594	130	20		
119+29 TO 120+56	LT	74		667		20		
650+34 TO 650+75	LT	139	89.8	298	145			
121+02 TO 127+11	LT	373	24.1	2858	280	32		
700+25 TO 700+87	RT	42		375				
700+53 TO 700+87	LT	19		167				
123+19 TO 127+55	RT	242		2178		37		
800+49 TO 800+96	RT	27		247				
800+46 TO 801+41	LT	55		499				
750+18 TO 750+83	RT	36		320				
750+43 TO 750+91	LT	29		262				
127+85 TO 130+80	LT	199	36.4	1117	350	20		
128+03 TO 130+80	RT	189	35.7	959	420	26		
TOTAL		**4280**	**608**	**25695**	**3528**	**409**	**3259**	**185**

TREE PLANTING SCHEDULE

Station	Offset	TYPE
103+58.60	26.91' RT	CORALBURST CRAB APPLE
105+31.17	26.46' RT	GOLDSPIRE GINKGO BILOBA
105+51.17	26.63' RT	RASPBERRY SPEAR CRABAPPLE
106+34.05	53.95' RT	GOLDSPIRE GINKGO BILOBA
107+14.64	26.22' RT	RASPBERRY SPEAR CRABAPPLE
107+40.64	26.26' RT	RASPBERRY SPEAR CRABAPPLE
107+66.95	26.17' RT	CORALBURST CRAB APPLE
108+86.32	27.07' RT	RASPBERRY SPEAR CRABAPPLE
109+35.43	52.22' LT	GOLDSPIRE GINKGO BILOBA
110+28.54	25.94' LT	RASPBERRY SPEAR CRABAPPLE
113+92.55	41.92' LT	SCARLET OAK
114+29.17	26.73' RT	CORALBURST CRAB APPLE
114+73.86	103.65' LT	SCARLET OAK
115+11.74	53.24' RT	CORALBURST CRAB APPLE
115+73.48	71.18' RT	CORALBURST CRAB APPLE
115+94.97	26.25' RT	GOLDSPIRE GINKGO BILOBA
116+38.69	26.08' RT	GOLDSPIRE GINKGO BILOBA
116+52.32	25.94' LT	GOLDSPIRE GINKGO BILOBA
117+34.19	26.08' RT	FAGUS SYLVATICA, EUROPEAN BEECH
117+72.34	26.08' RT	RASPBERRY SPEAR CRABAPPLE
117+96.72	26.07' RT	CORALBURST CRAB APPLE
118+22.51	26.08' RT	GOLDSPIRE GINKGO BILOBA
118+99.45	55.76' RT	AUTUMN BLAZE FREEMAN MAPLE
119+97.83	26.15' RT	CORALBURST CRAB APPLE
120+08.31	30.55' LT	SHUMARD RED OAK
120+40.78	26.16' RT	RASPBERRY SPEAR CRABAPPLE
120+83.65	26.16' RT	GOLDSPIRE GINKGO BILOBA
121+72.72	26.08' LT	CORALBURST CRAB APPLE
121+99.07	26.15' RT	CORALBURST CRAB APPLE
122+64.23	25.70' LT	GOLDSPIRE GINKGO BILOBA
123+93.80	26.00' LT	CORALBURST CRAB APPLE
123+94.20	25.78' RT	GOLDSPIRE GINKGO BILOBA
124+19.27	26.08' RT	RASPBERRY SPEAR CRABAPPLE
124+43.55	25.74' RT	RASPBERRY SPEAR CRABAPPLE
124+52.59	26.42' LT	CORALBURST CRAB APPLE
124+96.90	25.61' RT	RASPBERRY SPEAR CRABAPPLE
125+21.52	25.73' RT	RASPBERRY SPEAR CRABAPPLE
125+52.54	25.66' RT	CORALBURST CRAB APPLE
126+02.31	25.86' RT	RASPBERRY SPEAR CRABAPPLE
126+32.27	25.72' RT	GOLDSPIRE GINKGO BILOBA
126+65.12	25.58' RT	CORALBURST CRAB APPLE
127+59.05	90.03' LT	SCARLET OAK
127+81.18	54.22' LT	AUTUMN BLAZE FREEMAN MAPLE
128+63.13	25.69' RT	RASPBERRY SPEAR CRABAPPLE
128+85.29	25.78' RT	FAGUS SYLVATICA, EUROPEAN BEECH
129+32.50	26.36' LT	GOLDSPIRE GINKGO BILOBA
129+77.09	25.09' RT	GOLDSPIRE GINKGO BILOBA

WATER MAIN AND APPURTENANCES

STATION	56104900 WATER VALVES 6"	56105000 WATER VALVES 8"	56200300 WATER SERVICE LINE 1"	56200500 WATER SERVICE LINE 1.5"	56201400 CORP STOPS 1"	56201600 CORP STOPS 1.5"	56400820 FIRE HYD W/AUX V & VB	56500800 DOM WATER SERVICE BOXES	60248700 W. TPA 4'- DIA, TY 1 FRAME, CL	X5610004 DI WTRMN FITTINGS	X5610007 WATER MAIN INSULATION	X5610744 WATER MAIN LINE STOP 4"	X5610746 WATER MAIN LINE STOP 6"	X5610748 WATER MAIN LINE STOP 8"	X5611106 DI WM CL52 POLY EN 6	X5611108 DI WM CL52 POLY EN 8	X5630704 CONN EX WATER MAIN 4"	X5630706 CONN EX WATER MAIN 6"	X5630708 CONN EX WATER MAIN 8"	XX005106 PVC CASING PIPE	Z0015000 CURB STOPS 1"	Z0015200 CURB STOPS 1.5"
UNIT	EACH	EACH	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	POUND	FOOT	EACH	EACH	EACH	FOOT	FOOT	EACH	EACH	EACH	FOOT	EACH	EACH
103+50 TO 106+00		6	228		8		2	8	3	266			1	1	0	296		1	1		8	
106+00 TO 112+00	1	1	60	15	4	1	2	5	5	907			2	1	67	711		2	1		4	1
112+00 TO 118+00	1	6	224		7		2	7	7	964			4		110	769		4		40	7	
118+00 TO 124+00		7	347		8		2	8	7	1082		2	1	1	0	837	2	1	1	40	8	
124+00 TO 130+00		5	49				5		4	1125			2	1	0	808		2	1			
130+00 TO 130+80		1	44		2			2	2	168	20			1	0	70			1		2	
TOTAL	2	26	952	15	29	1	13	30	28	4512	20	2	10	5	177	3491	2	10	5	80	29	1

*ALL WATER MAIN AND SANITARY SEWER REPAIR ITEMS ARE NON-PARTICIPATORY

SANITARY SEWER REPAIRS

STATION	X5430208 CURED-IN-PLACE PIPE LINER 8"	X5430210 CURED-IN-PLACE PIPE LINER 10"	X5510306 SANITARY SEWER REMOVAL 6"	X5510308 SANITARY SEWER REMOVAL 8"	X5510310 SANITARY SEWER REMOVAL 10"	X5630212 SANITARY SEWER CONNECTION	X6022810 MAN SAN 4 DIA T1F CL	X6026054 SAN MAN REMOVED	X6026056 SAN MH ADJ NEW T1F CL	X6026057 SAN MH REC NEW T1F CL	XX009091 SANITARY MANHOLE LINING	Z0056800 SANITARY SEWER 6"	Z0056900 SANITARY SEWER 8"	Z0057000 SANITARY SEWER 10"
UNIT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT	FOOT
103+50 TO 106+00		348	207		75	5			2		22	207	0	75
106+00 TO 112+00		600	521	26	100	15	1	1	3		34	521	26	100
112+00 TO 118+00	575	25	276	100	25	9			4	1	39	276	100	25
118+00 TO 124+00	440		191	121		8			4		30	191	121	
124+00 TO 130+00	600		360	100		9	1	1	1		16.5	360	100	
130+00 TO 130+80	119		68	50		2			1		10.9	68	50	
TOTAL	1734	973	1623	397	200	48	2	2	15	1	152	1623	397	200

PAVEMENT MARKING

STATION	78000100 THERMOPLASTIC PVT MK LTR-SYM	78000200 THERMOPLASTIC PVT MK LINE 4	78000400 THERMOPLASTIC PVT MK LINE 6	78000600 THERMOPLASTIC PVT MK LINE 12	78000650 THERMOPLASTIC PVT MK LINE 24	X7810300 RECESSED REFLECTIVE PAVEMENT MARKER	Z0036200 PAINT CURB
UNIT	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH	FOOT
103+50 TO 109+00	64.6	985	675		33	42	
109+00 TO 115+00	122.1	905	87	1122	57	51	400
115+00 TO 121+00	64.6	1030	339		67	47	
121+00 TO 126+00		1046	86		19	42	
126+00 TO 130+80	145.6	1164	590		118	46	
TOTAL	397	5130	1777	1122	294	228	400

LANDSCAPING

STATION	21101630 TOPSOIL F&P 8	25000400 NITROGEN FERT NUTR	25000500 PHOSPHOROUS FERT NUTR	25000600 POTASSIUM FERT NUTR	25200110 SODDING, SALT TOLERANT	25200200 SUPP WATERING
UNIT	SQ YD	POUND	POUND	POUND	SQ YD	UNIT
103+50 TO 106+00	329	4.08	4.08	4.08	329	10
106+00 TO 112+00	271	3.36	3.36	3.36	271	8
112+00 TO 118+00	947	11.74	11.74	11.74	947	28
118+00 TO 124+00	689	8.54	8.54	8.54	689	21
124+00 TO 130+00	652	8.08	8.08	8.08	652	20
130+00 TO 130+80	65	0.81	0.81	0.81	65	2
TOTAL	2953	37	37	37	2953	89

EROSION CONTROL

LOCATION	28001100 TEMP EROS CONTROL BLANK	28000400 PERIMETER EROSION BARRIER	28000510 INLET FILTERS	28000250 TEMP EROS CONTROL SEEDING	Z0013797 STABILIZED CONSTRUCTION ENTRANCE
	SQ YD	FOOT	EACH	POUND	SQ YD
103+50 TO 107+50	329	28	12	6.8	218
107+50 TO 112+00	271	165	18	5.6	
112+00 TO 118+00	947	218	23	19.6	
118+00 TO 124+00	689	82	23	14.2	
124+00 TO 130+00	652	33	15	13.5	
130+00 TO 130+80	65		2	1.3	218
TOTAL	2953	526	93	61	436

50 YEARS EEI
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CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

DESIGNED -	REVISED -		
DRAWN -	REVISED -		
CHECKED -	REVISED -		
DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET 2 OF 3 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	22

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

EARTHWORK TABLE

Station	Length (FOOT)	Earth Exc (SQ FT)	Embankment (SQ FT)	Unsuitable Exc (SQ FT)	Under Cut (SQ FT)	Agg Subgrade Improvement (SQ FT)	Earth Exc (CU YD)	Exc to be Used in Embankment (15% Shrinkage) (CU YD)	Embankment (CU YD)	Difference Excess (+) Furnished Exc (-) (CU YD)	Unsuitable Exc (CU YD)	Under Cut (CU YD)	Agg Subgrade Improvement (CU YD)
	AVERAGE END AREA						VOLUME						
	A	B	C	D	E	F	G=(A*B)/27	H=G*0.85	I=(A*C)/27	J=H-I	K=(A*D)/27	L=(A*E)/27	M=(A*F)/27
Dundee Avenue													
103+50	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0
103+64	14.00	31.01	0.25	8.00	1.81	1.81	17	15	1	14	5	1	1
104+00	36.00	37.98	3.36	6.12	6.48	6.48	51	44	5	39	9	9	9
104+25	25.00	41.88	3.20	4.13	7.91	7.91	39	34	3	31	4	8	8
104+50	25.00	45.34	0.10	6.01	6.48	6.48	42	36	1	35	6	7	7
105+00	50.00	51.12	0.82	5.88	9.72	9.72	95	81	2	79	11	19	19
105+50	50.00	63.73	1.06	3.95	12.96	12.96	119	102	2	100	8	25	25
105+76	26.00	70.55	0.58	4.07	9.85	9.85	68	58	1	57	4	10	10
105+77	1.00	142.96	0.78	4.41	3.50	3.50	6	6	1	5	1	1	1
106+00	23.00	137.78	1.87	6.65	3.11	3.11	118	101	2	99	6	3	3
106+15	15.00	56.12	1.42	8.58	4.92	4.92	32	28	1	27	5	3	3
106+33	18.00	55.05	0.39	4.30	4.28	4.28	37	32	1	31	3	3	3
106+50	17.00	58.05	0.71	2.09	4.54	4.54	37	32	1	31	2	3	3
107+00	50.00	54.54	0.97	6.27	8.68	8.68	101	86	2	84	12	17	17
107+33	33.00	48.47	1.38	6.31	10.76	10.76	60	51	2	49	8	14	14
107+50	17.00	45.55	1.67	6.36	6.48	6.48	29	25	2	23	5	5	5
107+66	16.00	45.18	1.80	6.35	4.28	4.28	27	23	2	21	4	3	3
108+00	34.00	46.34	1.62	4.21	6.48	6.48	59	51	3	48	6	9	9
108+50	50.00	47.50	1.43	4.23	10.89	10.89	88	75	3	72	8	21	21
108+91	41.00	58.66	0.93	6.37	11.79	11.79	90	77	2	75	10	18	18
109+00	9.00	78.19	0.22	9.29	6.48	6.48	27	23	1	22	4	3	3
109+41	41.00	90.95	0.00	8.76	6.48	6.48	139	119	0	119	14	10	10
109+50	9.00	95.33	0.00	7.39	6.48	6.48	32	28	0	28	3	3	3
110+00	50.00	81.27	0.52	5.81	7.65	7.65	151	129	1	128	11	15	15
110+50	50.00	65.75	0.92	4.16	12.96	12.96	122	104	2	102	8	25	25
110+76	26.00	64.29	0.79	2.04	9.85	9.85	62	53	1	52	2	10	10
111+00	24.00	74.17	0.63	5.86	6.48	6.48	66	57	1	56	6	6	6
111+50	50.00	84.04	0.46	11.72	9.59	9.59	156	133	1	132	22	18	18
111+77	27.00	75.78	0.48	9.56	9.98	9.98	76	65	1	64	10	10	10
112+00	23.00	70.22	0.51	7.41	6.48	6.48	60	51	1	50	7	6	6
112+08	8.00	74.77	0.55	7.44	4.02	4.02	23	20	1	19	3	2	2
112+50	42.00	76.62	0.57	9.59	6.48	6.48	120	102	1	101	15	11	11
112+84	34.00	79.66	0.29	9.60	9.85	9.85	101	86	1	85	13	13	13
113+00	16.00	63.42	0.22	7.03	6.48	6.48	38	33	1	32	5	4	4
113+18	18.00	66.36	0.69	3.31	4.41	4.41	45	39	1	38	3	3	3
113+19	1.00	63.88	1.10	0.00	2.46	2.46	3	3	1	2	0	1	1
113+50	31.00	39.19	1.25	2.98	24.63	24.63	45	39	2	37	4	29	29
114+00	50.00	37.42	12.04	10.03	49.00	49.00	70	60	23	37	19	91	91
114+50	50.00	46.49	11.63	9.14	49.00	49.00	87	74	22	52	17	91	91
115+00	50.00	57.33	0.44	2.09	49.00	49.00	107	91	1	90	4	91	91
115+06	6.00	103.59	0.22	0.00	49.00	49.00	24	21	1	20	0	11	11
115+15	9.00	123.78	0.24	0.00	49.00	49.00	42	36	1	35	0	17	17
115+50	35.00	86.23	1.07	1.69	49.00	49.00	112	96	2	94	3	64	64
116+00	50.00	74.74	1.67	3.77	49.00	49.00	139	119	4	115	7	91	91
116+27	27.00	68.13	1.48	4.03	49.00	49.00	69	59	2	57	5	49	49
116+50	23.00	54.46	1.20	5.99	49.00	49.00	47	40	2	38	6	42	42
116+64	14.00	47.40	1.11	6.07	49.00	49.00	25	22	1	21	4	26	26
116+78	14.00	41.49	0.79	4.07	49.00	49.00	22	19	1	18	3	26	26
116+89	11.00	36.94	0.73	2.03	49.00	49.00	16	14	1	13	1	20	20
117+00	11.00	39.19	1.50	4.06	49.00	49.00	16	14	1	13	2	20	20
117+37	37.00	43.90	1.79	6.03	49.00	49.00	61	52	3	49	9	68	68
117+50	13.00	47.72	1.55	6.01	49.00	49.00	23	20	1	19	3	24	24
118+00	50.00	49.46	1.61	6.10	49.00	49.00	92	79	3	76	12	91	91
118+50	50.00	51.19	1.66	6.21	49.00	49.00	95	81	4	77	12	91	91
118+92	42.00	98.14	0.91	6.54	49.00	49.00	153	131	2	129	11	77	77
119+00	8.00	140.90	0.08	2.38	49.00	49.00	42	36	1	35	1	15	15
119+32	32.00	129.51	0.50	2.35	49.00	49.00	154	131	1	130	3	59	59
119+50	18.00	122.31	0.99	6.49	49.00	49.00	82	70	1	69	5	33	33
120+00	50.00	97.48	3.34	6.19	49.00	49.00	181	154	7	147	12	91	91
120+50	50.00	72.64	5.68	4.15	49.00	49.00	135	115	11	104	8	91	91
120+80	30.00	87.99	3.62	4.19	49.00	49.00	98	84	5	79	5	55	55
121+00	20.00	91.11	1.58	4.18	49.00	49.00	68	58	2	56	4	37	37
121+50	50.00	78.88	1.61	4.19	49.00	49.00	147	125	3	122	8	91	91
121+62	12.00	53.37	1.88	4.24	49.00	49.00	24	21	1	20	2	22	22
122+00	38.00	30.50	2.38	6.41	49.00	49.00	43	37	4	33	10	69	69
122+50	50.00	33.13	2.61	8.53	49.00	49.00	62	53	5	48	16	91	91
122+77	27.00	65.62	2.07	6.64	49.00	49.00	66	57	3	54	7	49	49
123+00	23.00	91.16	1.40	4.40	49.00	49.00	78	67	2	65	4	41	41
123+30	30.00	67.15	0.89	4.21	49.00	49.00	75	64	1	63	5	55	55
123+50	20.00	50.09	0.49	4.38	49.00	49.00	38	33	1	32	4	37	37
124+00	50.00	58.47	1.53	6.39	49.00	49.00	109	93	3	90	12	91	91
124+50	50.00	66.84	2.56	8.34	30.98	30.98	124	106	5	101	16	58	58
125+00	50.00	67.24	2.59	8.37	12.96	12.96	125	107	5	102	16	25	25
125+36	36.00	66.95	1.84	6.38	11.15	11.15	90	77	3	74	9	15	15
125+50	14.00	66.26	1.06	4.31	6.48	6.48	35	30	1	29	3	4	4
126+00	50.00	66.21	1.86	6.47	8.29	8.29	123	105	4	101	12	16	16
126+50	50.00	66.16	2.66	8.92	12.96	12.96	123	105	5	100	17	25	25
127+00	50.00	62.74	2.02	6.62	12.96	12.96	117	100	4	96	13	25	25
127+50	50.00	113.65	0.69	2.02	12.96	12.96	211	180	2	178	4	25	25
127+67	17.00	167.98	0.00	0.00	8.68	8.68	106	91	0	91	0	5	5
128+00	33.00	123.60	0.00	2.05	6.48	6.48	152	130	0	130	3	7	7
128+36	36.00	64.60	1.02	4.25	8.94	8.94	87	74	2	72	6	12	12
128+50	14.00	49.99	2.03	6.39	6.48	6.48	26	23	2	21	4	4	4
128+83	33.00	48.98	1.87	6.21	6.09	6.09	60	51	3	48	8	8	8
129+00	17.00	50.43	1.81	4.06	6.48	6.48	32	28	2	26	3	5	5
129+27	27.00	56.66	1.72	4.26	5.70	5.70	57	49	2	47	5	6	6
129+50	23.00	59.04	2.07	6.51	6.48	6.48	51	44	2	42	6	5	5
129+89	39.00	57.65	2.61	6.38	8.04	8.04	84	72	4	68	10	12	12
130+00	11.00	59.46	1.74	4.18	6.48	6.48	25	22	1	21	2	3	3
130+22	22.00	58.99	1.40	4.35	4.28	4.28	49	42	2	40	4	4	4
130+50	28.00	49.60	1.64	4.52	6.48	6.48	52	45	2	43	5	7	7
130+61	11.00	42.48	1.34	4.50	5.05	5.05	18	16	1	15	2	3	3
130+70	9.00	37.71	1.42	4.49	2.59	2.59	13	12	1	11	2	1	1
130+77	7.00	34.24	1.22	4.48	2.07	2.07	9	8	1	7	2	1	1
						SUBTOTAL	6752	5784	234	5550	623	2541	2541

EARTHWORK TABLE

Station	Length (FOOT)	Earth Exc (SQ FT)	Embankment (SQ FT)	Unsuitable Exc (SQ FT)	Under Cut (SQ FT)	Agg Subgrade Improvement (SQ FT)	Earth Exc (CU YD)	Exc to be Used in Embankment (15% Shrinkage) (CU YD)	Embankment (CU YD)	Difference Excess (+) Furnished Exc (-) (CU YD)	Unsuitable Exc (CU YD)	Under Cut (CU YD)	Agg Subgrade Improvement (CU YD)
	AVERAGE END AREA						VOLUME						
	A	B	C	D	E	F	G=(A*B)/27	H=G*0.85	I=(A*C)/27	J=H-I	K=(0.67*D)/27	L=(A*E)/27	M=(A*F)/27
Jefferson Avenue - West													
	23.00	143.00	2.00	810.20	5.96	5.96	122	104	2	102	21	6	6
Jefferson Avenue - East													
	27.00	33.00	2.00	573.29	7.00	7.00	33	29	2	27	15	7	7
Algona Avenue													
	27.00	59.00	0.00	761.05	7.00	7.00	59	51	0	51	19	7	7
Lovell Street													
	27.00	57.00	1.00	1232.61	7.00	7.00	57	49	1	48	31	7	7
Bellevue Avenue													
	27.00	4.00	12.00	2061.38	7.00	7.00	4	4	12	-8	51	7	7
Columbia Avenue													
	27.00	97.00	0.00	1909.71	7.00	7.00	97	83	0	83	48	7	7
Lincoln Avenue -East													
	21.00	70.00	1.00	895.10	5.44	5.44	55	47	1	46	23	5	5
Lincoln Avenue -West													
	27.00	73.00	1.00	576.11	7.00	7.00	73	63	1	62	15	7	7
Duncan Avenue													
	28.00	63.00	4.00	900.28	7.26	7.26	66	57	5	52	23	8	8
Chester Avenue													
	28.00	50.00	0.00	1183.08	7.26	7.26	52	45	0	45	30	8	8
Slade Avenue - West													
	38.00	82.00	2.00	1230.14	9.85	9.85	116	99	3	96	31	14	14
Slade Avenue - East													
	38.00	43.00	2.00	607.49	9.85	9.85	61	52	3	49	15	14	14
						SUBTOTAL	795	683	30	653	322	97	97
						TOTAL	7547	6467	264	6203	945	2638	2638

USER NAME = jMarvig PLOT SCALE = 1:2.00009
PLOT DATE = 1/5/2024 1:02:44 PM
MODEL: Default
FILE NAME: H:\SDSKProj\EG Elgin\2021\EG2102\Dgn Final Eng\EG2102-sht-schedule-03.dgn

Engineering Enterprises, Inc.
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CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

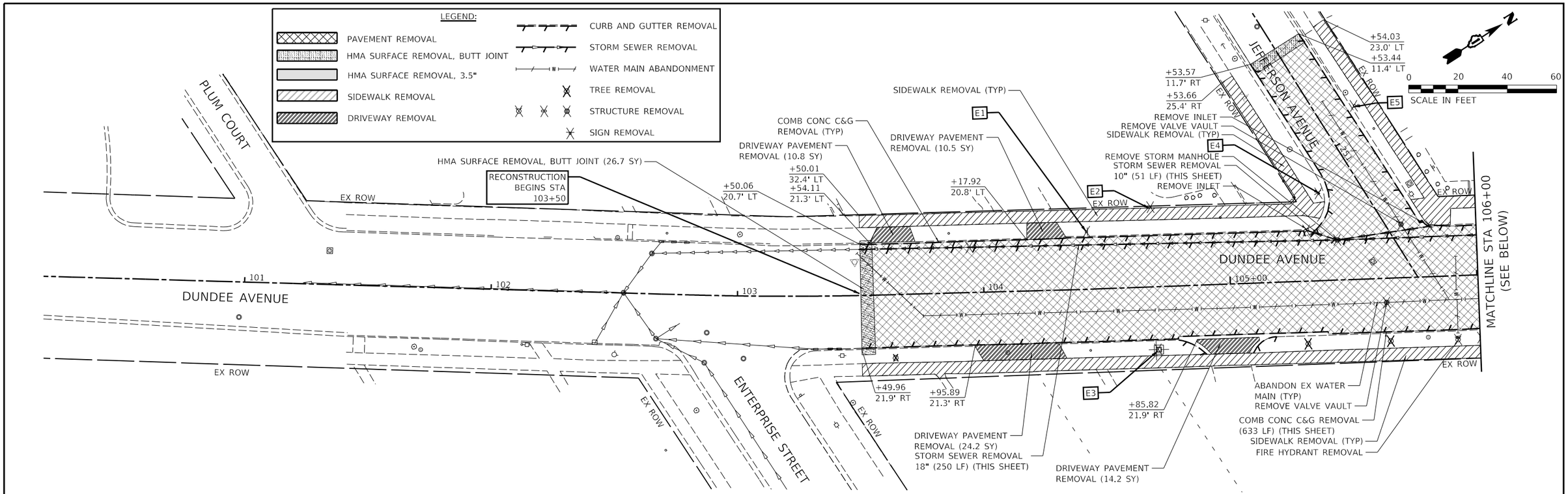
DUNDEE AVENUE
SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	23

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT



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CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

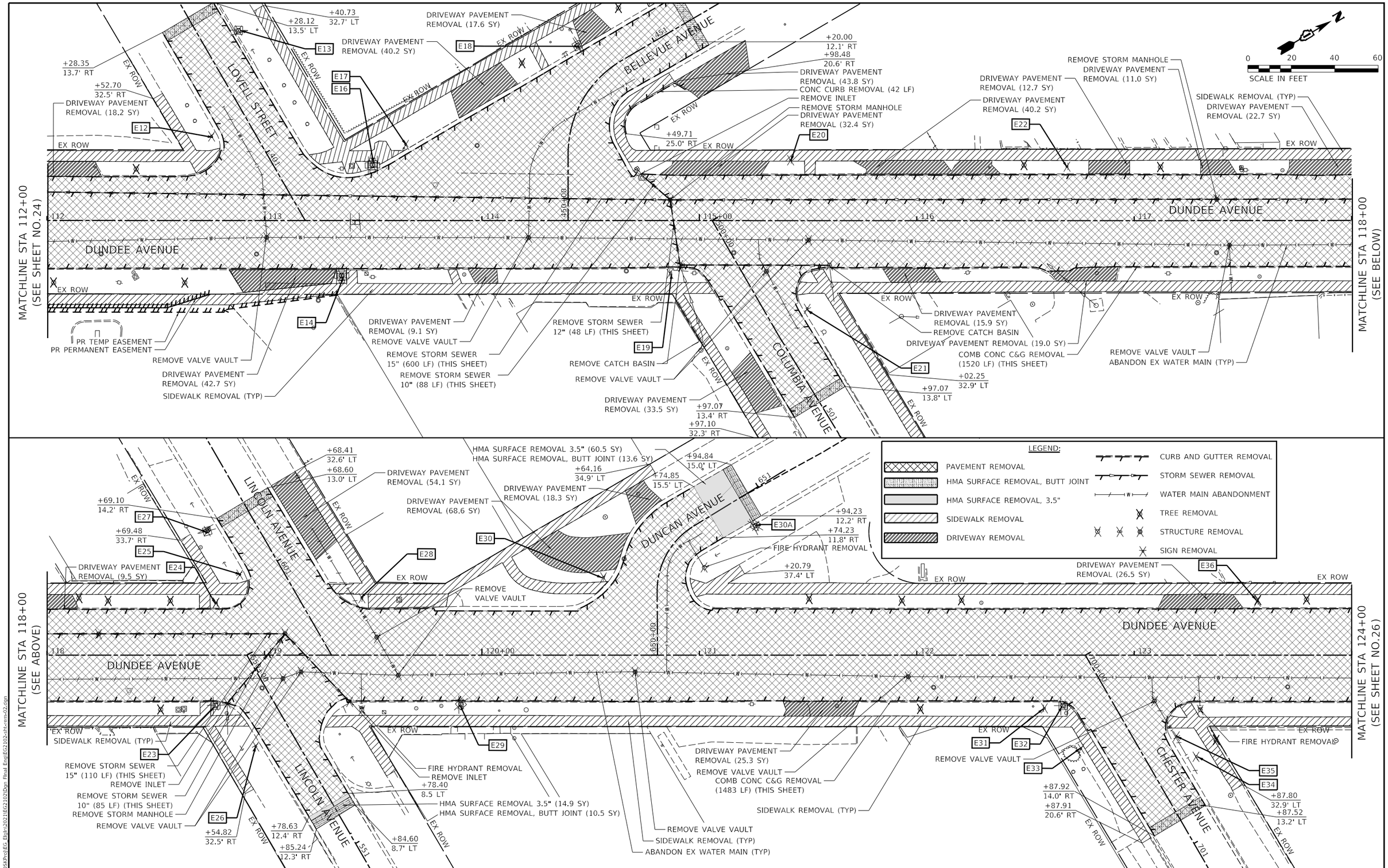
DUNDEE AVENUE
REMOVAL PLAN

SCALE: 1" = 20' | SHEET 1 OF 3 SHEETS | STA. 103+50 TO STA. 112+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	24

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



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CHECKED -	REVISED -		
DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

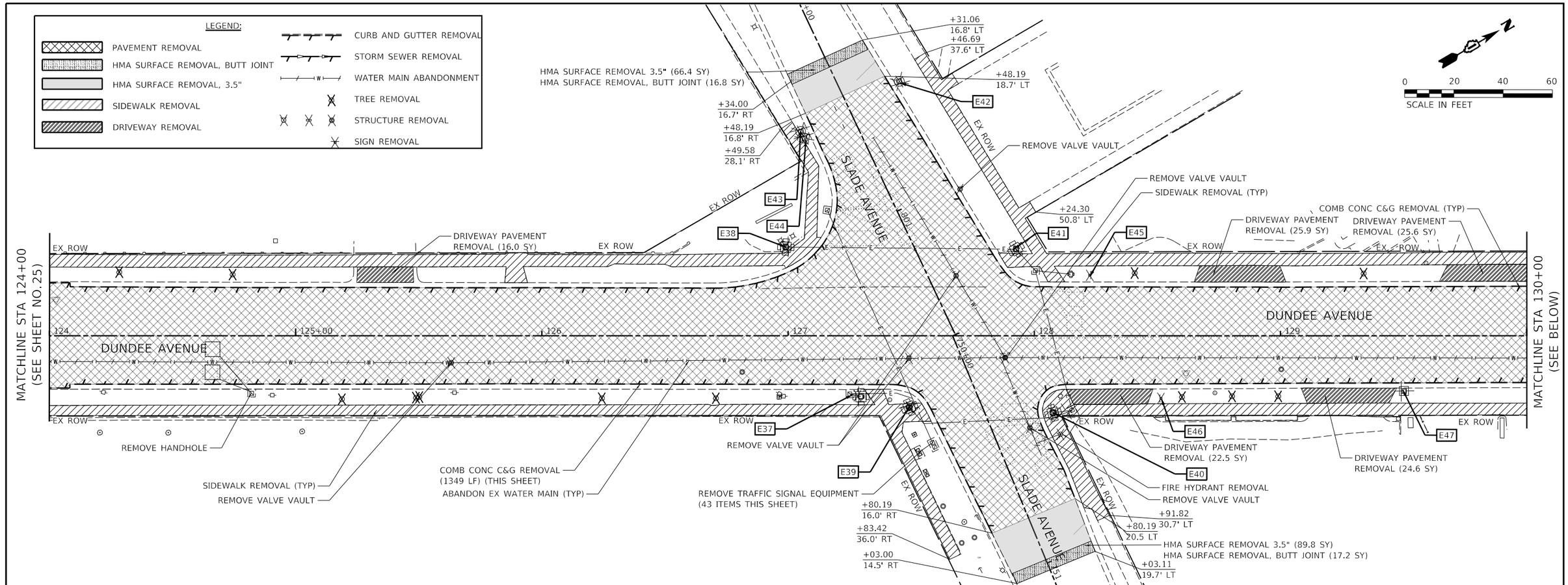
DUNDEE AVENUE
REMOVAL PLAN

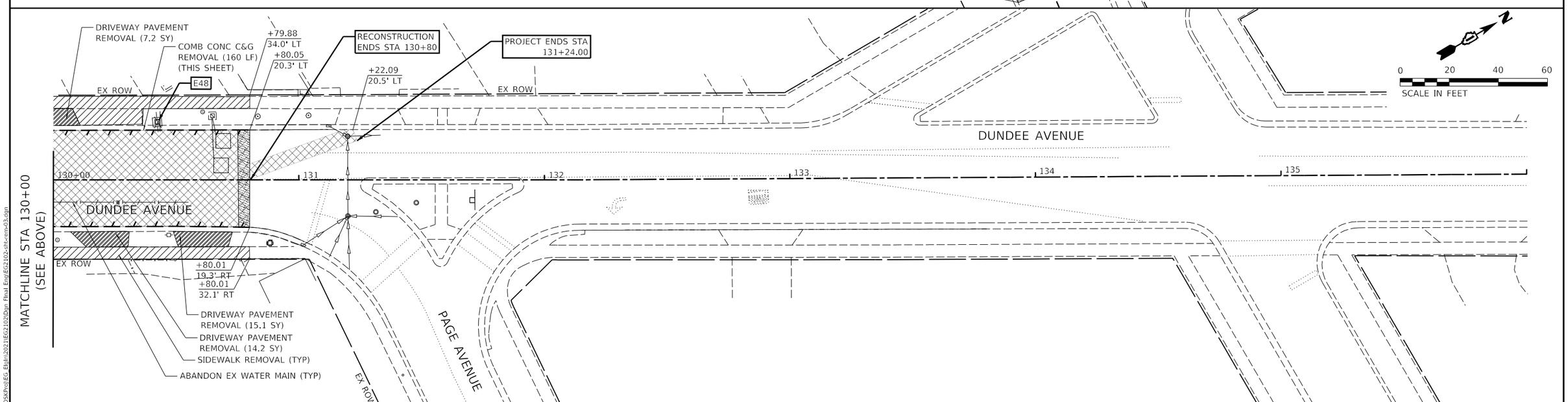
SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. 112+00 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	25

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT





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DRAWN -	REVISED -		
CHECKED -	REVISED -		
DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

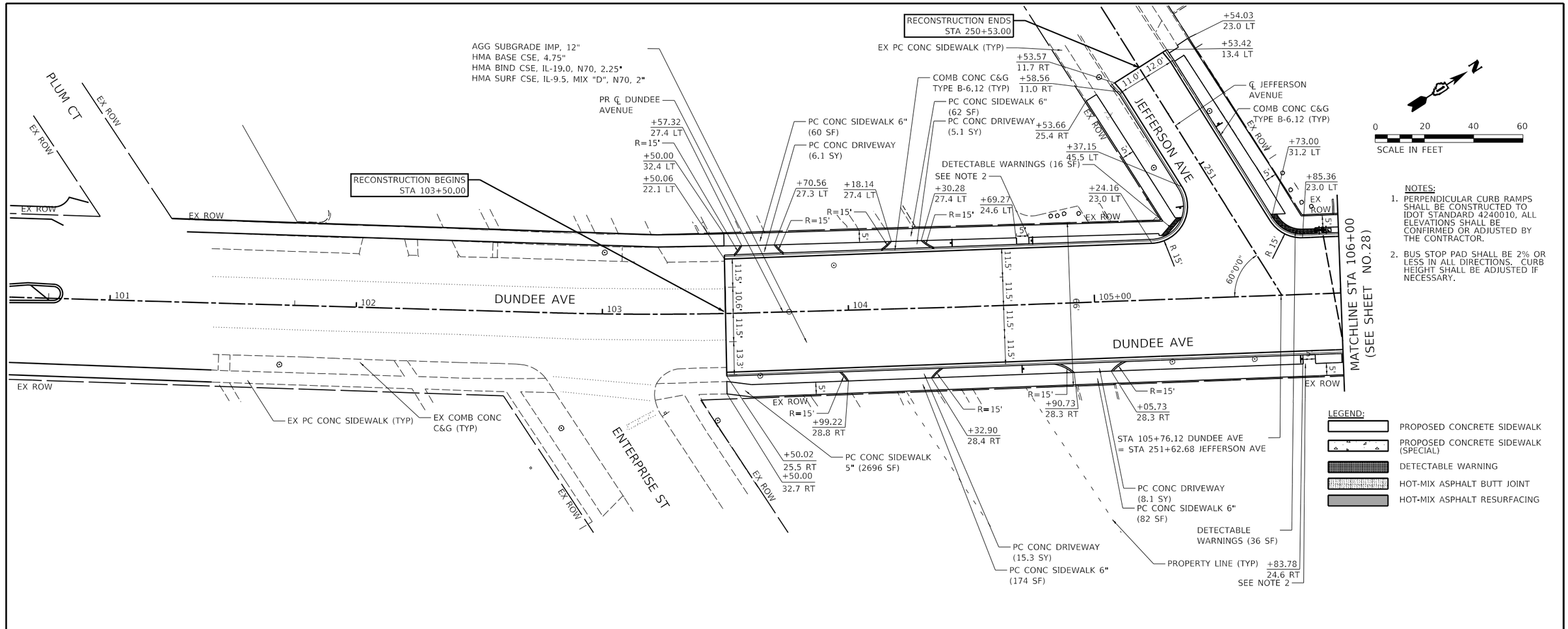
DUNDEE AVENUE
REMOVAL PLAN

SCALE: 1" = 20' | SHEET 3 OF 3 SHEETS | STA. 124+00 TO STA. 131+24

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	26

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

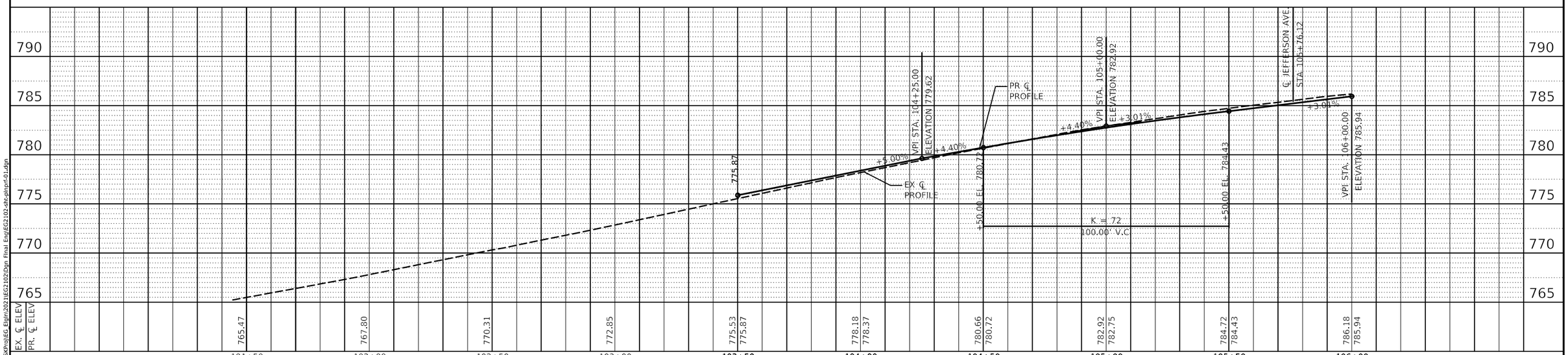


NOTES:

1. PERPENDICULAR CURB RAMPS SHALL BE CONSTRUCTED TO IDOT STANDARD 4240010. ALL ELEVATIONS SHALL BE CONFIRMED OR ADJUSTED BY THE CONTRACTOR.
2. BUS STOP PAD SHALL BE 2% OR LESS IN ALL DIRECTIONS. CURB HEIGHT SHALL BE ADJUSTED IF NECESSARY.

LEGEND:

- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE SIDEWALK (SPECIAL)
- DETECTABLE WARNING
- HOT-MIX ASPHALT BUTT JOINT
- HOT-MIX ASPHALT RESURFACING



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

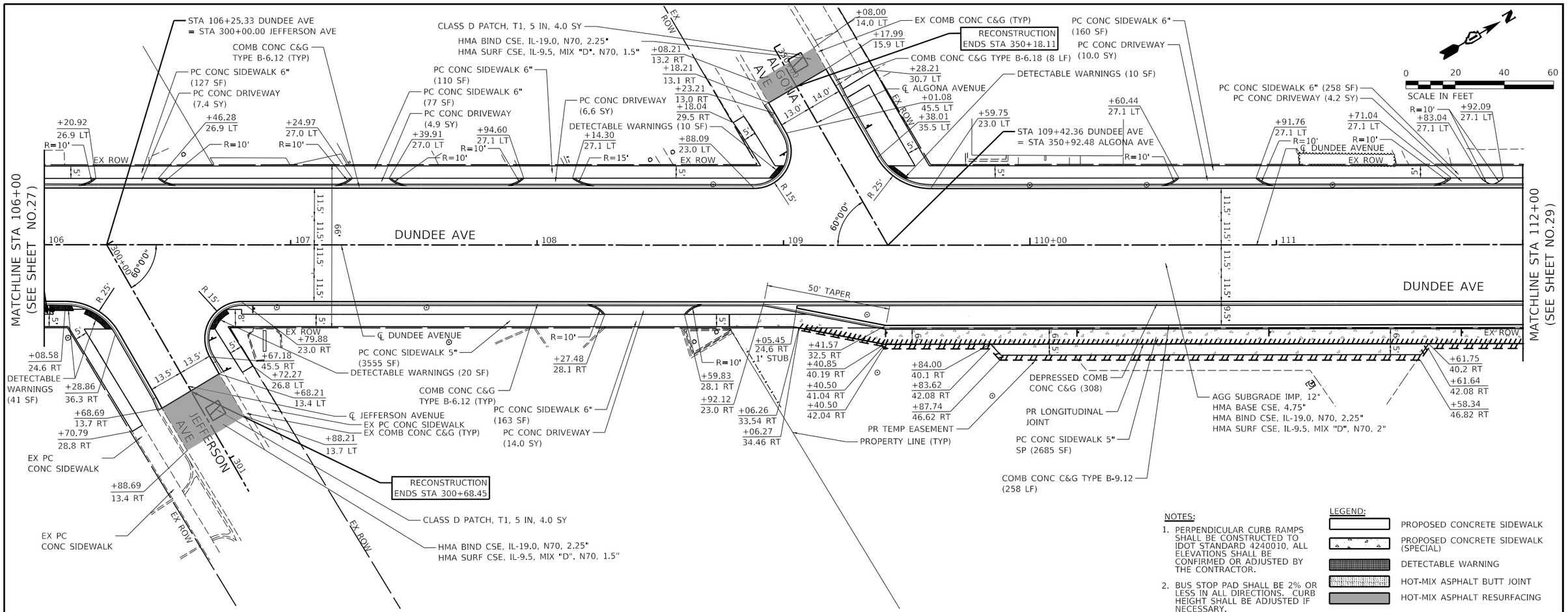
DUNDEE AVENUE
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 1 OF 8 SHEETS | STA. 103+50 TO STA. 106+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	27

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT

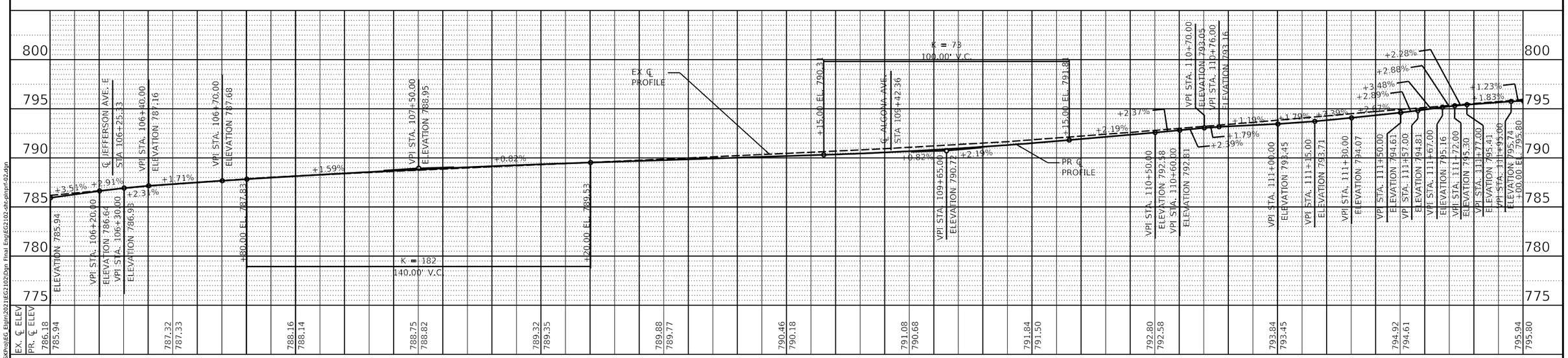


NOTES:

1. PERPENDICULAR CURB RAMPS SHALL BE CONSTRUCTED TO IDOT STANDARD 4240010. ALL ELEVATIONS SHALL BE CONFIRMED OR ADJUSTED BY THE CONTRACTOR.
2. BUS STOP PAD SHALL BE 2% OR LESS IN ALL DIRECTIONS. CURB HEIGHT SHALL BE ADJUSTED IF NECESSARY.

LEGEND:

- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE SIDEWALK (SPECIAL)
- DETECTABLE WARNING
- HOT-MIX ASPHALT BUTT JOINT
- HOT-MIX ASPHALT RESURFACING



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

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DATE -	REVISED -		

STATE OF ILLINOIS
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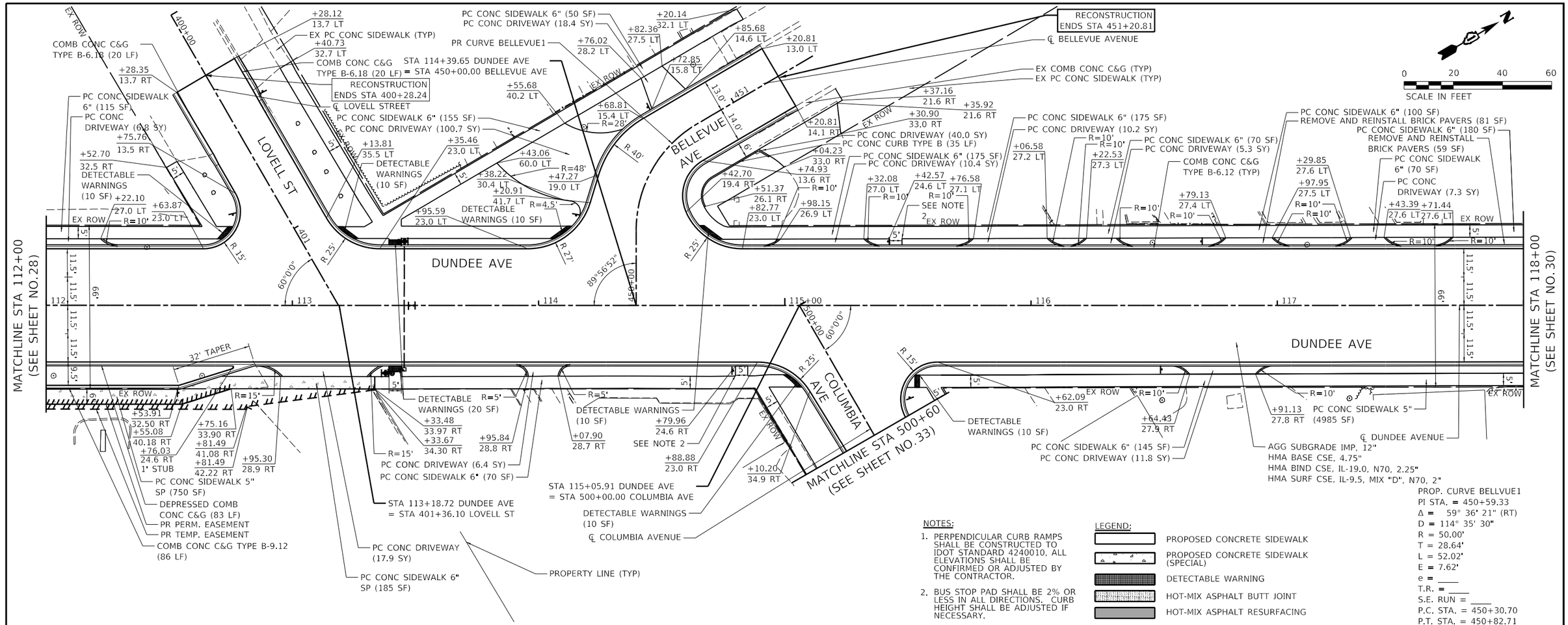
DUNDEE AVENUE
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 2 OF 8 SHEETS | STA. 106+00 TO STA. 112+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	28

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



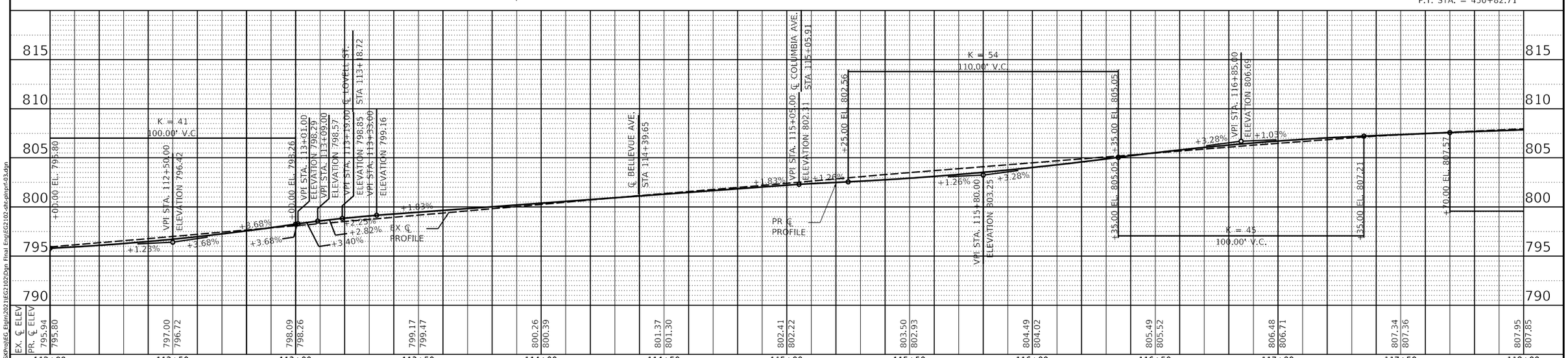
PROP. CURVE BELLVUE1
PI STA. = 450+59.33
Δ = 59° 36' 21" (RT)
D = 114° 35' 30"
R = 50.00'
T = 28.64'
L = 52.02'
E = 7.62'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 450+30.70
P.T. STA. = 450+82.71

NOTES:

1. PERPENDICULAR CURB RAMPS SHALL BE CONSTRUCTED TO IDOT STANDARD 4240010, ALL ELEVATIONS SHALL BE CONFIRMED OR ADJUSTED BY THE CONTRACTOR.
2. BUS STOP PAD SHALL BE 2% OR LESS IN ALL DIRECTIONS. CURB HEIGHT SHALL BE ADJUSTED IF NECESSARY.

LEGEND:

- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE SIDEWALK (SPECIAL)
- DETECTABLE WARNING
- HOT-MIX ASPHALT BUTT JOINT
- HOT-MIX ASPHALT RESURFACING



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 NOTAT'NS CH'KD — NOTE BOOK NO. ____ — BY — DATE

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DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 3 OF 8 SHEETS | STA. 112+00 TO STA. 118+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	29

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT

LEGEND:

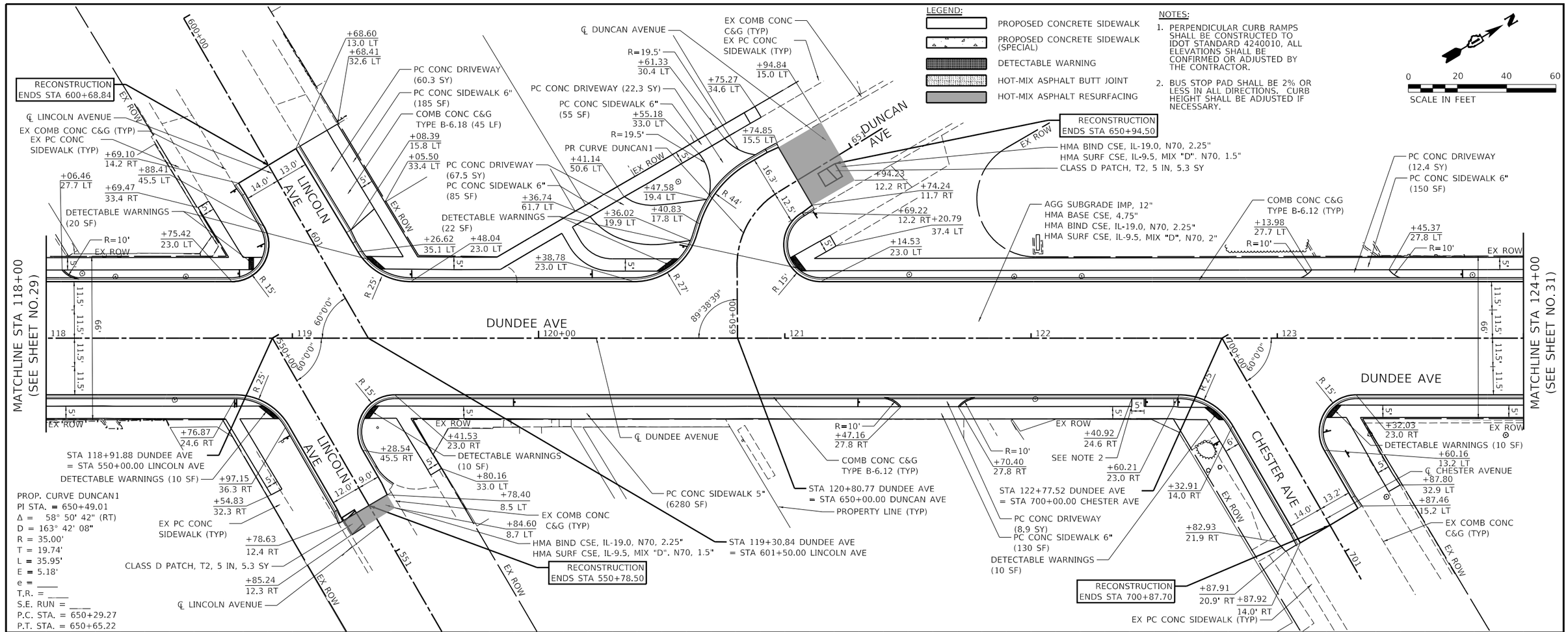
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE SIDEWALK (SPECIAL)
- DETECTABLE WARNING
- HOT-MIX ASPHALT BUTT JOINT
- HOT-MIX ASPHALT RESURFACING

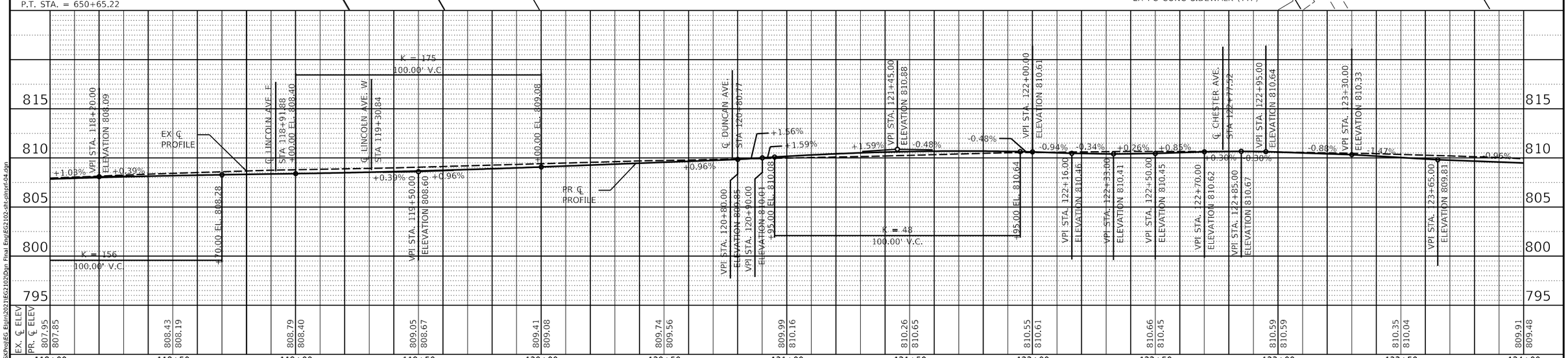
NOTES:

1. PERPENDICULAR CURB RAMPS SHALL BE CONSTRUCTED TO IDOT STANDARD 4240010, ALL ELEVATIONS SHALL BE CONFIRMED OR ADJUSTED BY THE CONTRACTOR.
2. BUS STOP PAD SHALL BE 2% OR LESS IN ALL DIRECTIONS. CURB HEIGHT SHALL BE ADJUSTED IF NECESSARY.

N

0 20 40 60
SCALE IN FEET





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

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

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CHECKED -	REVISED -		
DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

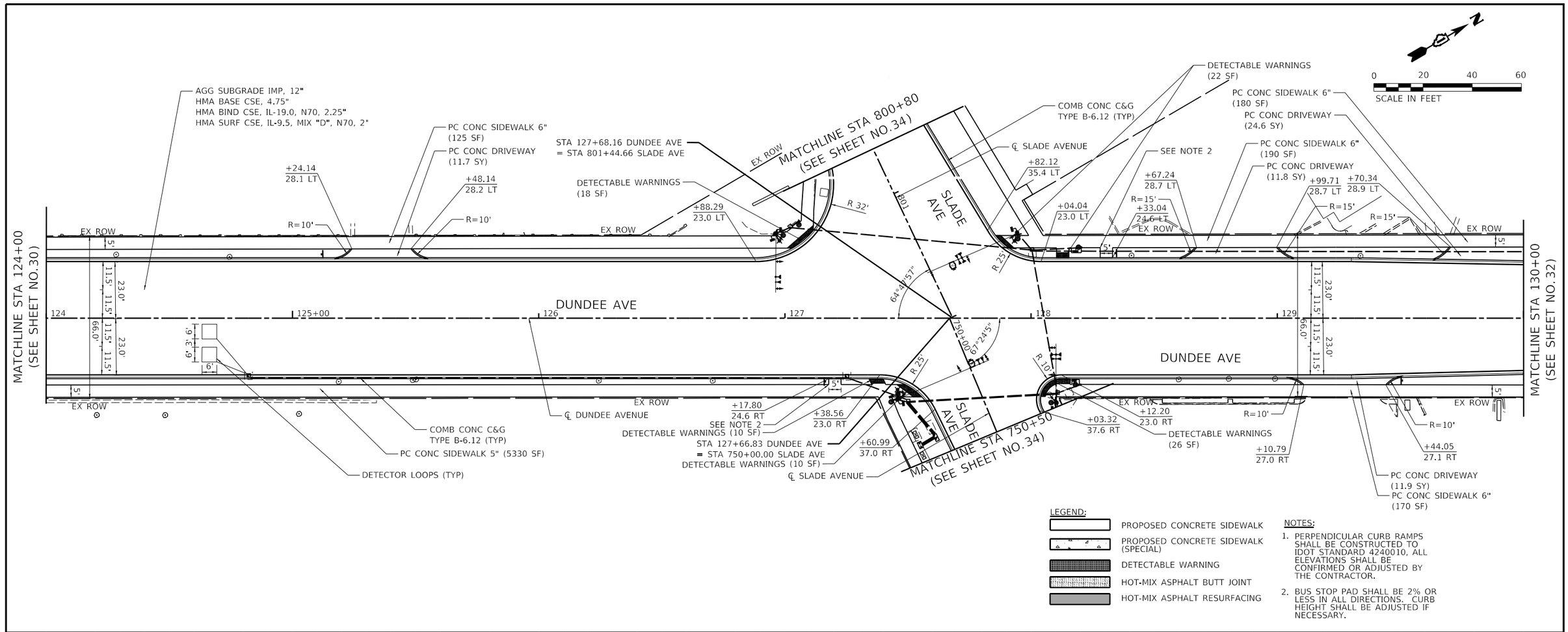
DUNDEE AVENUE
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 4 OF 8 SHEETS | STA. 118+00 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	30

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

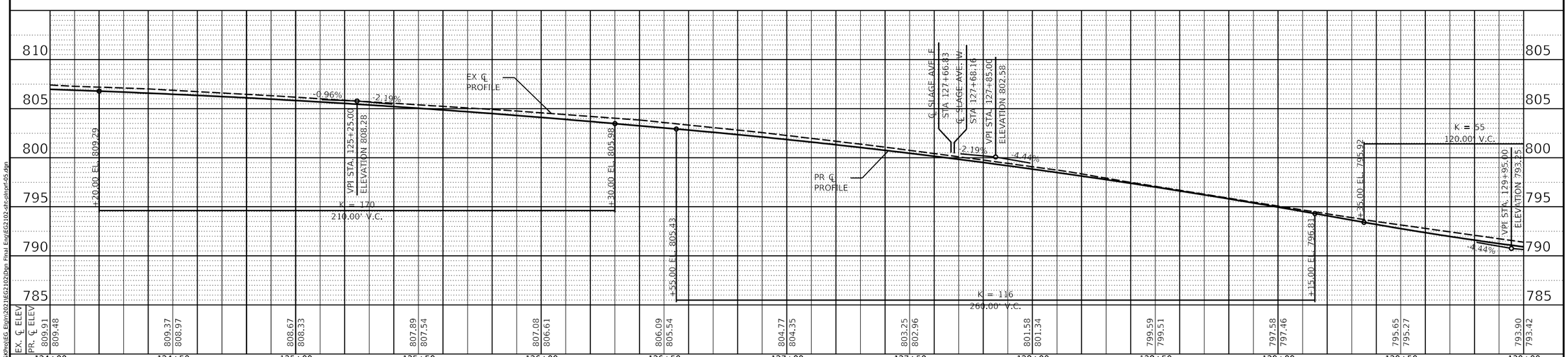


LEGEND:

- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE SIDEWALK (SPECIAL)
- DETECTABLE WARNING
- HOT-MIX ASPHALT BUTT JOINT
- HOT-MIX ASPHALT RESURFACING

NOTES:

1. PERPENDICULAR CURB RAMPS SHALL BE CONSTRUCTED TO IDOT STANDARD 4240010. ALL ELEVATIONS SHALL BE CONFIRMED OR ADJUSTED BY THE CONTRACTOR.
2. BUS STOP PAD SHALL BE 2% OR LESS IN ALL DIRECTIONS. CURB HEIGHT SHALL BE ADJUSTED IF NECESSARY.



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CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

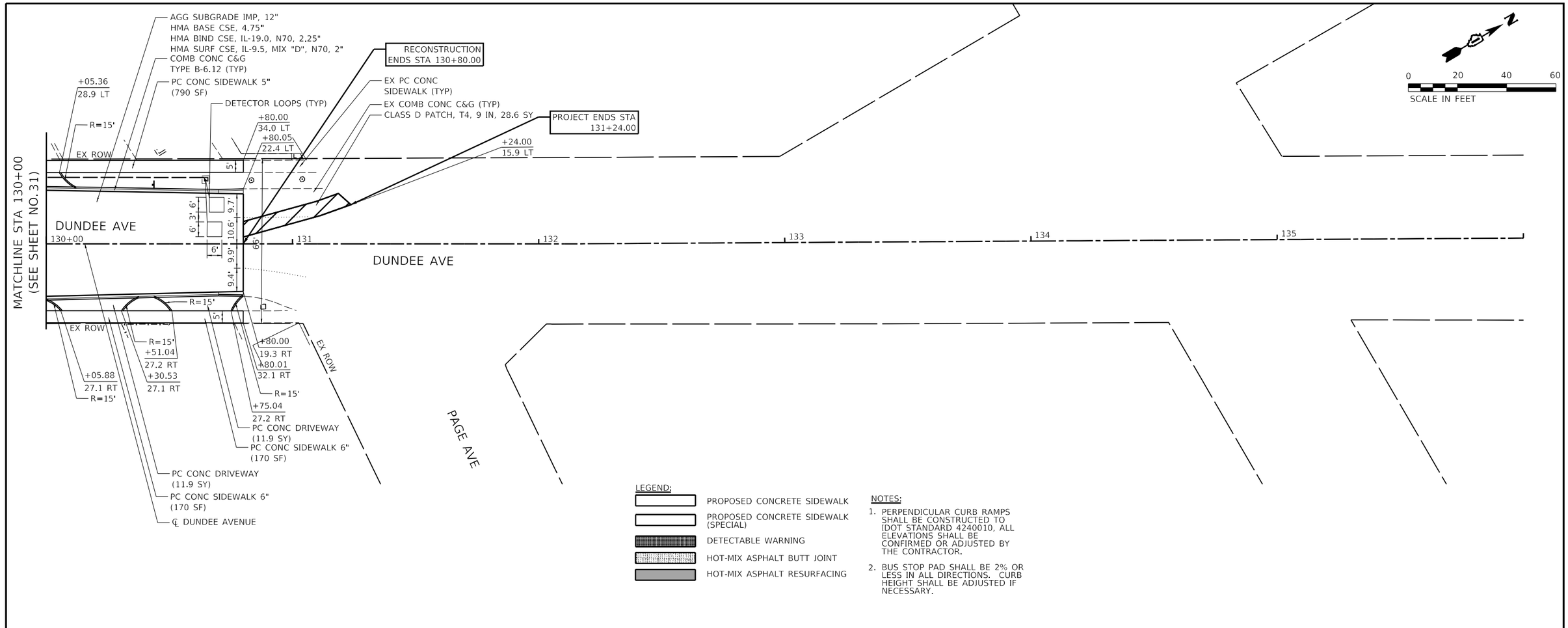
DUNDEE AVENUE
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 5 OF 8 SHEETS | STA. 124+00 TO STA. 130+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	31

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT

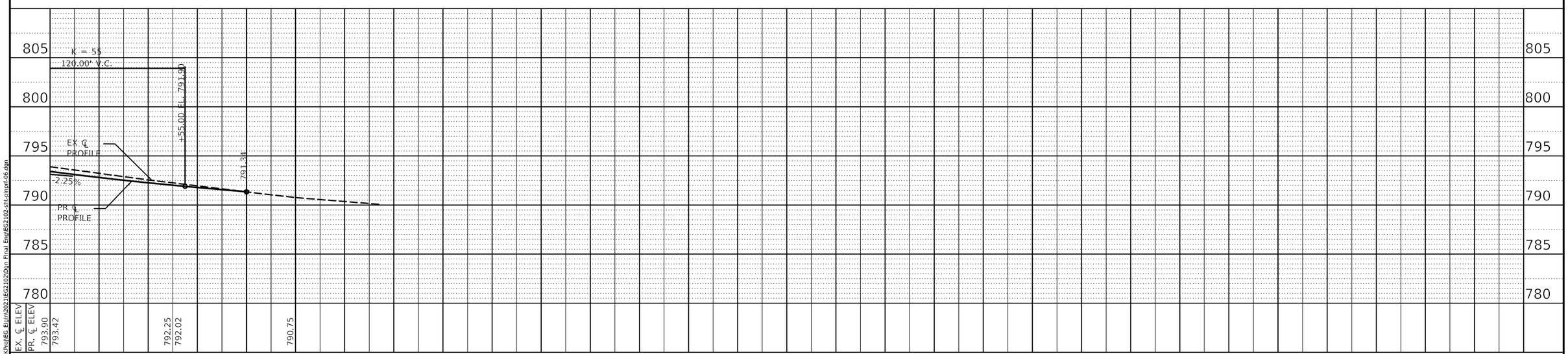


LEGEND:

- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE SIDEWALK (SPECIAL)
- DETECTABLE WARNING
- HOT-MIX ASPHALT BUTT JOINT
- HOT-MIX ASPHALT RESURFACING

NOTES:

1. PERPENDICULAR CURB RAMPS SHALL BE CONSTRUCTED TO IDOT STANDARD 4240010, ALL ELEVATIONS SHALL BE CONFIRMED OR ADJUSTED BY THE CONTRACTOR.
2. BUS STOP PAD SHALL BE 2% OR LESS IN ALL DIRECTIONS. CURB HEIGHT SHALL BE ADJUSTED IF NECESSARY.



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DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

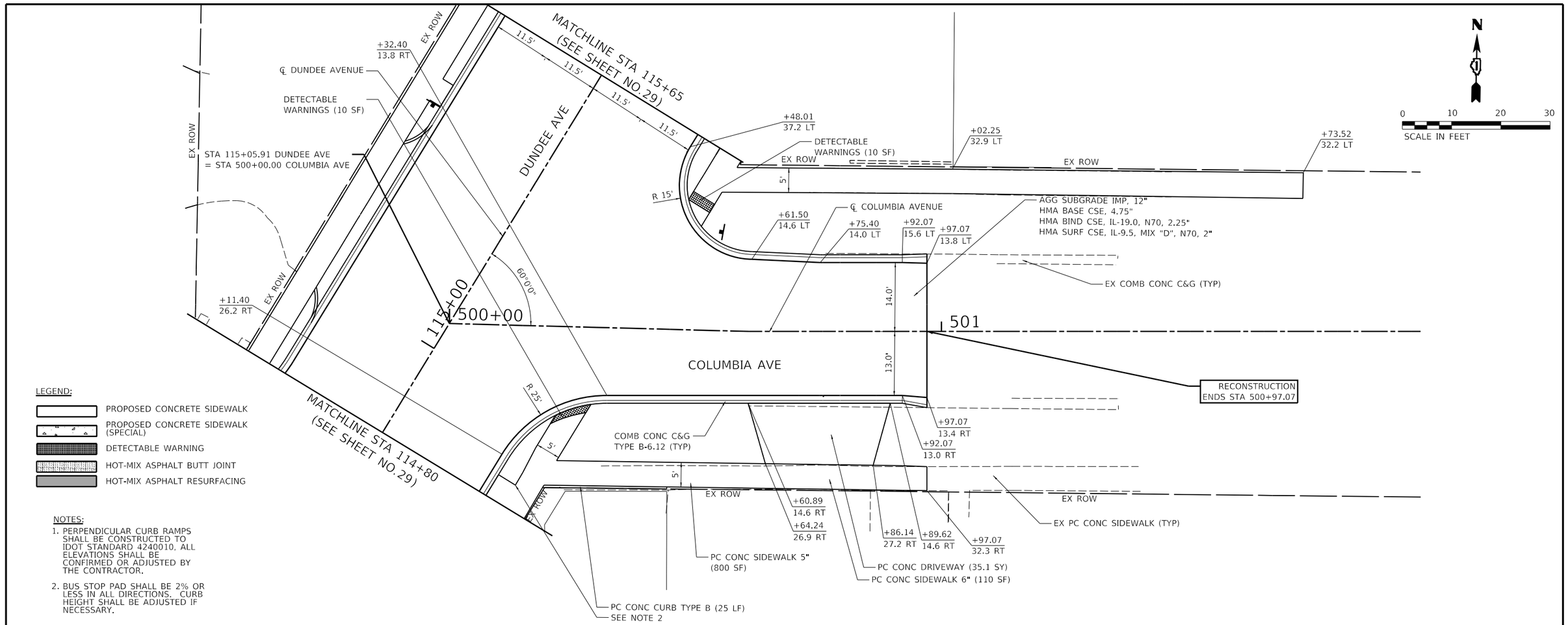
DUNDEE AVENUE
PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 6 OF 8 SHEETS | STA. 130+00 TO STA. 131+24

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	32

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT

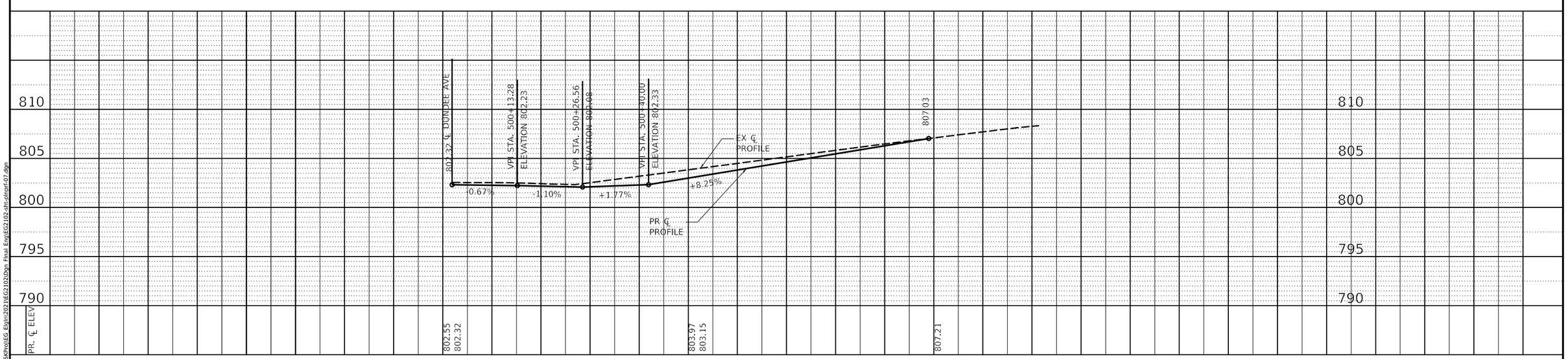


LEGEND:

- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE SIDEWALK (SPECIAL)
- DETECTABLE WARNING
- HOT-MIX ASPHALT BUTT JOINT
- HOT-MIX ASPHALT RESURFACING

NOTES:

1. PERPENDICULAR CURB RAMPS SHALL BE CONSTRUCTED TO IDOT STANDARD 4240010. ALL ELEVATIONS SHALL BE CONFIRMED OR ADJUSTED BY THE CONTRACTOR.
2. BUS STOP PAD SHALL BE 2% OR LESS IN ALL DIRECTIONS. CURB HEIGHT SHALL BE ADJUSTED IF NECESSARY.



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 NOTAT'NS CHKD — NOTE BOOK NO. — BY — DATE

USER NAME = JWarwig PLOT SCALE = 1:20.0000
PLOT DATE = 11/5/2024 1:03:02 PM
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CHECKED -	REVISED -		
DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

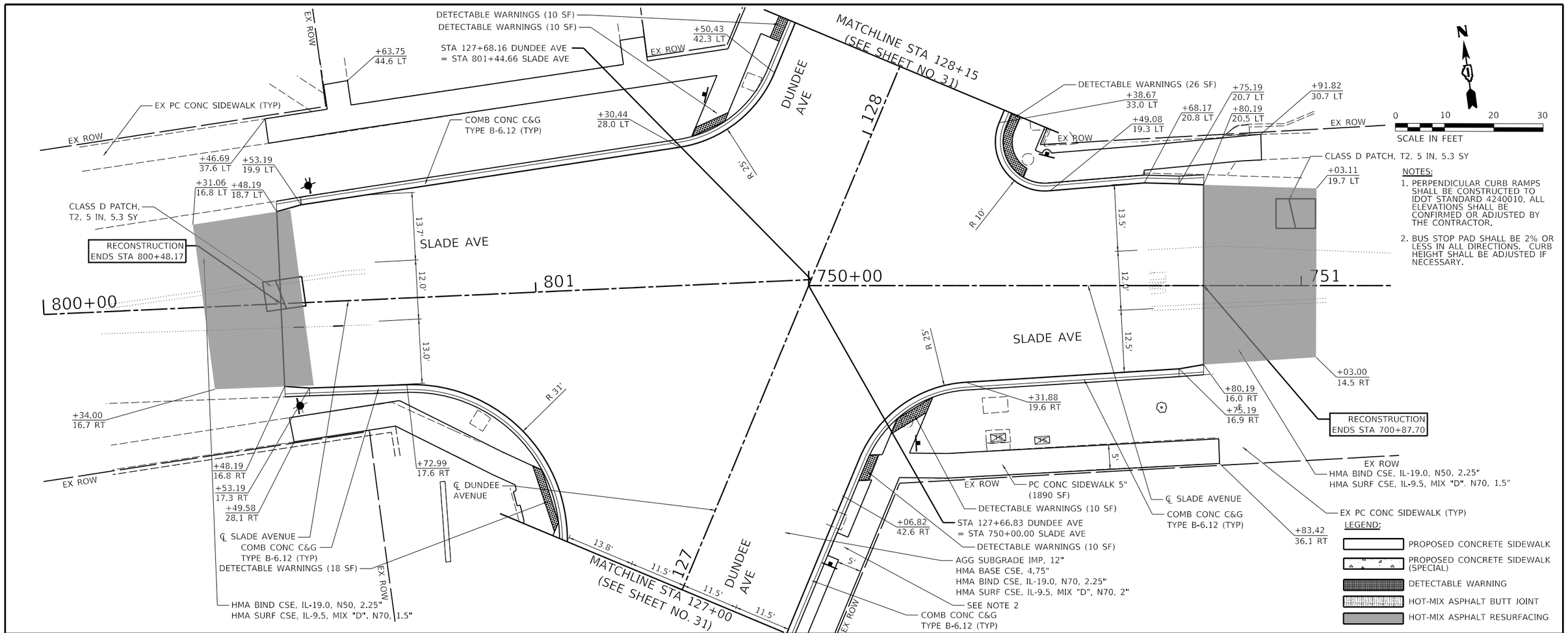
COLUMBIA AVENUE
PLAN AND PROFILE

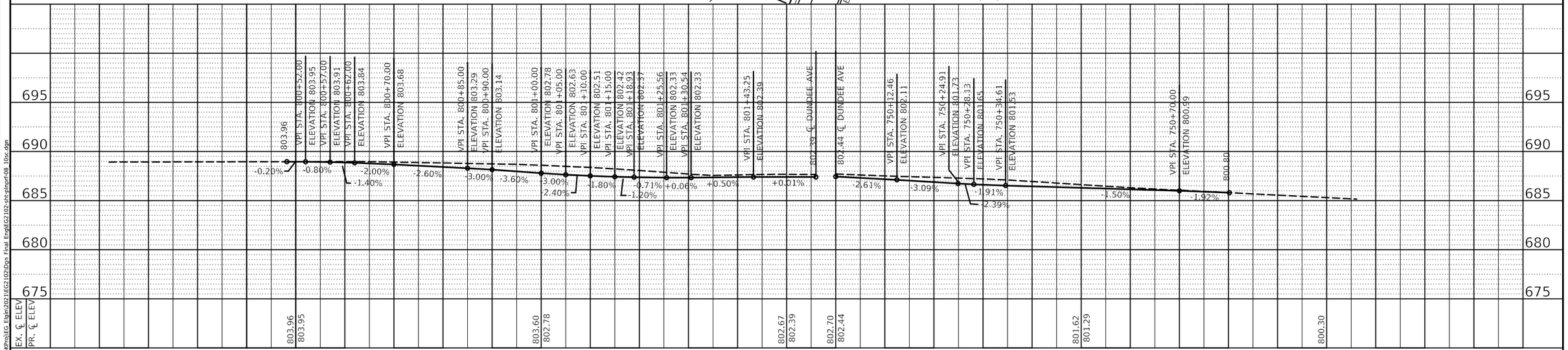
SCALE: 1" = 20' | SHEET 7 OF 8 SHEETS | STA. 500+00 TO STA. 501+74

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	33

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT





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 NOTAT'NS CHKD	BY / DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

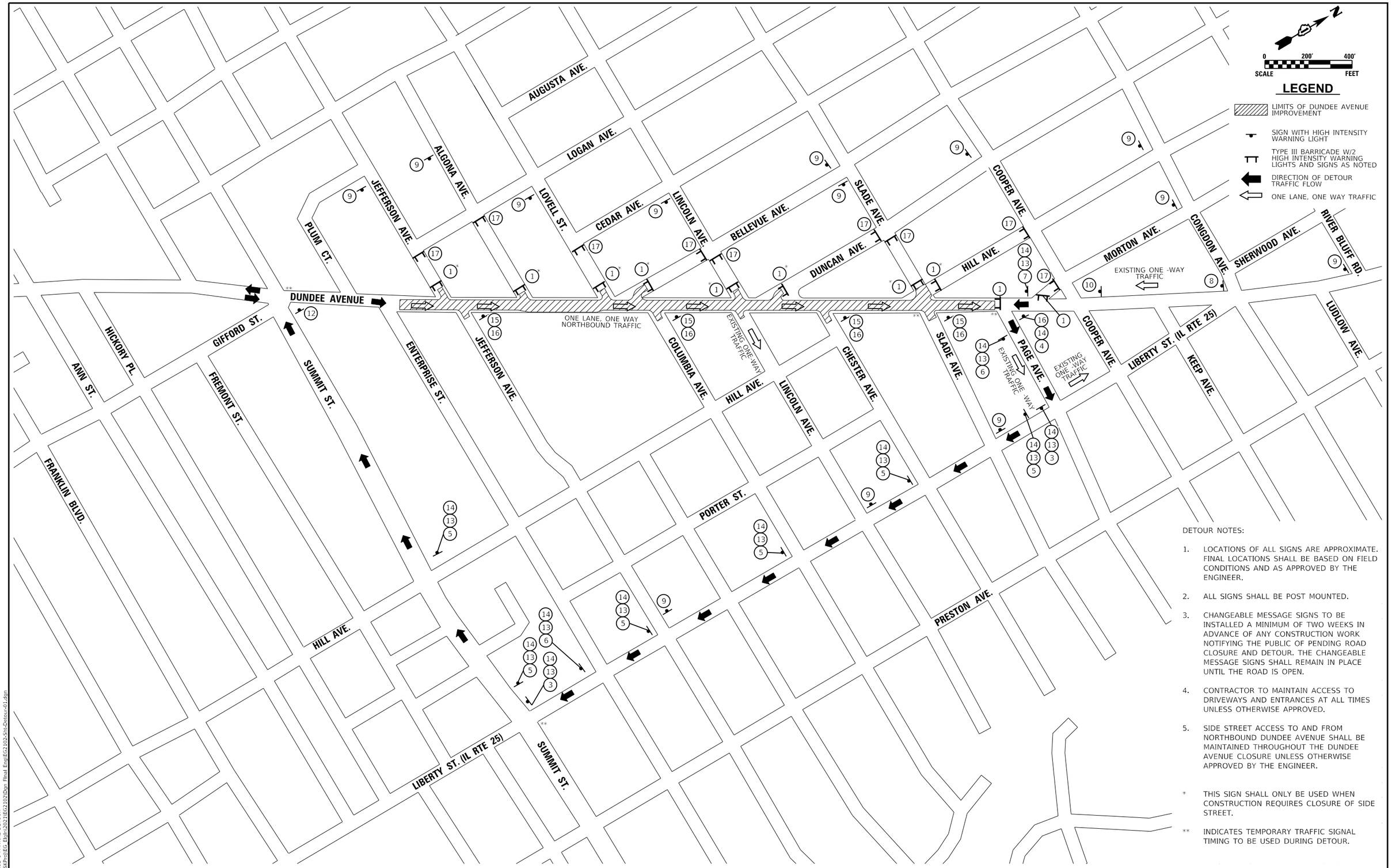
SLADE AVENUE
PLAN AND PROFILE

SCALE: 1" = 10' | SHEET 8 OF 8 SHEETS | STA. 127+00 TO STA. 128+15

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	34

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



DETOUR NOTES:

1. LOCATIONS OF ALL SIGNS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE BASED ON FIELD CONDITIONS AND AS APPROVED BY THE ENGINEER.
2. ALL SIGNS SHALL BE POST MOUNTED.
3. CHANGEABLE MESSAGE SIGNS TO BE INSTALLED A MINIMUM OF TWO WEEKS IN ADVANCE OF ANY CONSTRUCTION WORK NOTIFYING THE PUBLIC OF PENDING ROAD CLOSURE AND DETOUR. THE CHANGEABLE MESSAGE SIGNS SHALL REMAIN IN PLACE UNTIL THE ROAD IS OPEN.
4. CONTRACTOR TO MAINTAIN ACCESS TO DRIVEWAYS AND ENTRANCES AT ALL TIMES UNLESS OTHERWISE APPROVED.
5. SIDE STREET ACCESS TO AND FROM NORTHBOUND DUNDEE AVENUE SHALL BE MAINTAINED THROUGHOUT THE DUNDEE AVENUE CLOSURE UNLESS OTHERWISE APPROVED BY THE ENGINEER.

* THIS SIGN SHALL ONLY BE USED WHEN CONSTRUCTION REQUIRES CLOSURE OF SIDE STREET.

** INDICATES TEMPORARY TRAFFIC SIGNAL TIMING TO BE USED DURING DETOUR.

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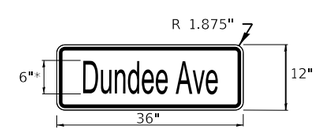
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
DETOUR PLAN

SCALE: 1"=200' | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	35
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	

SIGN NO.	SIGN	SIGN TYPE
1	ROAD CLOSED TYPE III BARRICADE W/ FLASHING WARNING LIGHTS	R11-2
2	ROAD CLOSED TO THRU TRAFFIC DETOUR TYPE III BARRICADE W/ FLASHING WARNING LIGHTS	R11-4 M4-10R-4818 OR M4-10L-4818
17	ROAD CLOSED TO THRU TRAFFIC TYPE III BARRICADE W/ FLASHING WARNING LIGHTS	R11-4
3	DETOUR	M4-9
4	DETOUR	M4-9
5	DETOUR	M4-9
6	DETOUR	M4-9
7	DETOUR	M4-9
8	DETOUR AHEAD	W20-2
9	ROAD CLOSED AHEAD	W20-3
10	ROAD CLOSED 500 FT	W20-3
12	END DETOUR	M4-8a
13	DUNDEE AVE	SPECIAL 24"X18" 6" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND
14	SOUTH	M3-3
15		R3-2
16	ONE WAY	R6-2R



*FHWA SERIES 2000 STANDARD ALPHABETS

36"X12" PROPOSED SIGN W/ 6" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND. LOWERCASE LETTERS SHALL BE 3/4 SIZE OF UPPERCASE LETTERS.

SIGN DETAILS
36"X12"
SPECIAL SIGN

DETOUR GENERAL NOTES

1. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JAN. 1, 2022", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010", THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL" OF UNIFORM TRAFFIC CONTROL DEVICES (ILMUTCD) AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION.
2. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
3. THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF WORK. THE CITY OF ELGIN REPRESENTATIVE FOR THIS DETOUR IS:

   MIKE PUBENTZ, P.E.
   PUBLIC SERVICES DIRECTOR
   (847) 931-5968

4. IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
5. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITION, WITH THE APPROVAL OF THE ENGINEER.
6. THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
8. THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER.
9. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
10. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
11. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
12. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A - LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
13. WHEN REQUIRED, THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18"X18".
14. ALL BARRICADES SHALL HAVE RELECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
15. DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
16. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
18. THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FROM THIS WORK: STANDARD 701901 AND D1 DETAIL, TC-21.
19. SIDE STREET ACCESS TO AND FROM NORTHBOUND DUNDEE AVENUE SHALL BE MAINTAINED THROUGHOUT THE DUNDEE AVENUE CLOSURE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
20. TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE USED AT THE FOLLOWING SIGNALIZED INTERSECTIONS DURING THE DETOUR:

    DUNDEE AVENUE AT PAGE AVENUE
    DUNDEE AVENUE AT SLADE AVENUE
    DUNDEE AVENUE AT SUMMIT STREET
    LIBERTY STREET AT SUMMIT STREET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
DETOUR PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	36

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

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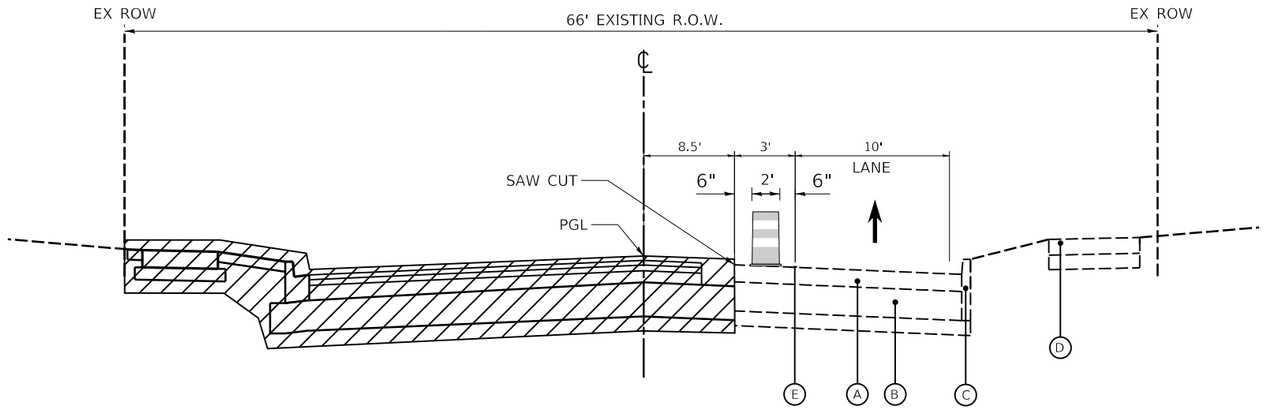
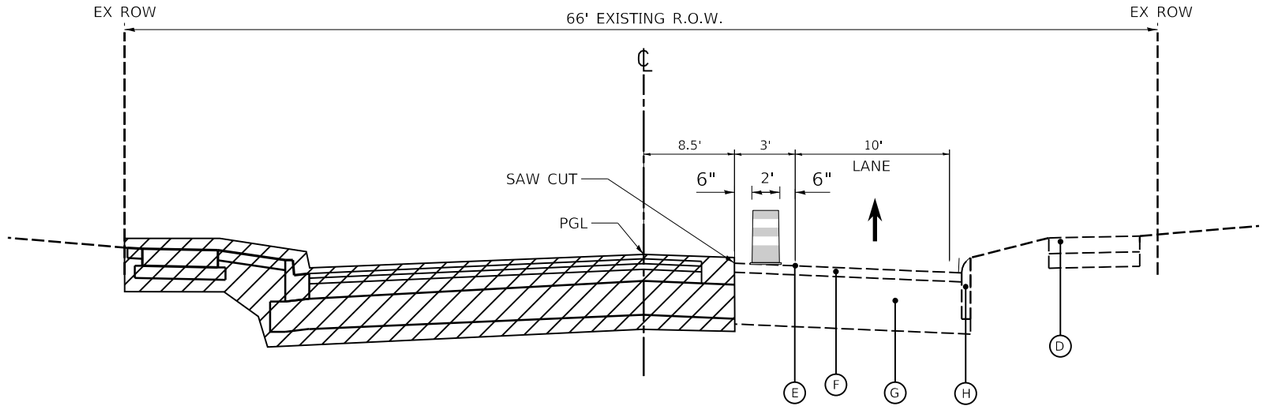


CONSTRUCTION SECTION - STAGE 1
DUNDEE AVENUE



CONSTRUCTION SECTION - STAGE 1
DUNDEE AVENUE
ACROSS UTILITY TRENCHES

STAGING LEGEND

CONSTRUCTION DURING STAGE

TRAFFIC CONTROL DEVICE
DRUM WITH STEADY BURN
MONODIRECTIONAL LIGHT

DIRECTION OF TRAFFIC

STAGE 1 SUGGESTED CONSTRUCTION SEQUENCE

1. INSTALL TEMPORARY TRAFFIC SIGNAL SYSTEM AT SLADE AVENUE.
2. INSTALL DETOUR SIGNAGE AND STAGING.
3. SAW CUT EXISTING PAVEMENT 8.5 FEET EAST OF THE CENTER LINE.
4. REMOVE PAVEMENT WEST OF SAW CUT
5. REMOVE WEST SIDE CURB AND GUTTER
6. INSTALL PROPOSED STORM SEWER MAIN
7. INSTALL PROPOSED WATER MAIN
8. INSTALL WEST SIDE STORM CATCH BASINS AND INLETS AND INSTALL 6 FOOT STORM PIPE STUBS TO THE EAST OF MAIN LINE.
9. INSTALL WATER SERVICES. DIRECTIONAL DRILL LONG SERVICES.
10. CONSTRUCT AGGREGATE SUBGRADE 12-INCH, LEAVE 3-FOOT FLAP OF GEOTEXTILE FABRIC ALONG EXISTING PAVEMENT SAW CUT EDGE.
11. INSTALL WEST SIDE TRAFFIC SIGNALS AT SLADE AVENUE. STUB AND MARK CONDUITS AT PAVEMENT SAW CUT.
12. INSTALL WEST SIDE CURB AND GUTTER.
13. REMOVE AND REPLACE WEST SIDE APRONS AND SIDEWALK. TIME BETWEEN REMOVAL OF EXISTING CONCRETE AND INSTALLATION OF PROPOSED CONCRETE SHALL BE LIMITED TO MINIMIZE IMPACT TO BUSINESSES.
14. PAVE SOUTH BOUND LANES BASE COURSE. OVERLAY WESTERN NORTH BOUND LANE BY 3.0 FEET.
15. PAVE SOUTH BOUND BINDER COURSE.
16. PAINT TEMP DOUBLE YELLOW BETWEEN SOUTH BOUND LANES ON BINDER
17. REMOVE DETOUR SIGNAGE.

STAGE 1 GENERAL TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL NOT LEAVE A DROP OFF GREATER THAN 3 INCHES BETWEEN THE TRAVELED WAY AND TRENCHED WORK AREA OVERNIGHT.
2. ANY TEMPORARY STONE REQUIRED IS CONSIDERED INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL AND PROTECTION PAY ITEM.

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT, VARIES 3"-6"
- (B) EXISTING CONCRETE BASE AND BRICK PAVERS, VARIES 4"-12"
- (C) EXISTING CONCRETE CURB AND GUTTER (VARIOUS TYPES) (OVERLAYED WITH ASPHALT IN VARIOUS LOCATIONS)
- (D) EXISTING SIDEWALK
- (E) TEMPORARY PAVEMENT MARKING LINE, 4" YELLOW
- (F) TEMPORARY PAVEMENT, VARIES
- (G) TRENCH BACKFILL
- (H) TEMPORARY MOUNTABLE CURB, 3" AND VARIES (AREA PAID FOR AS TEMPORARY PAVEMENT)

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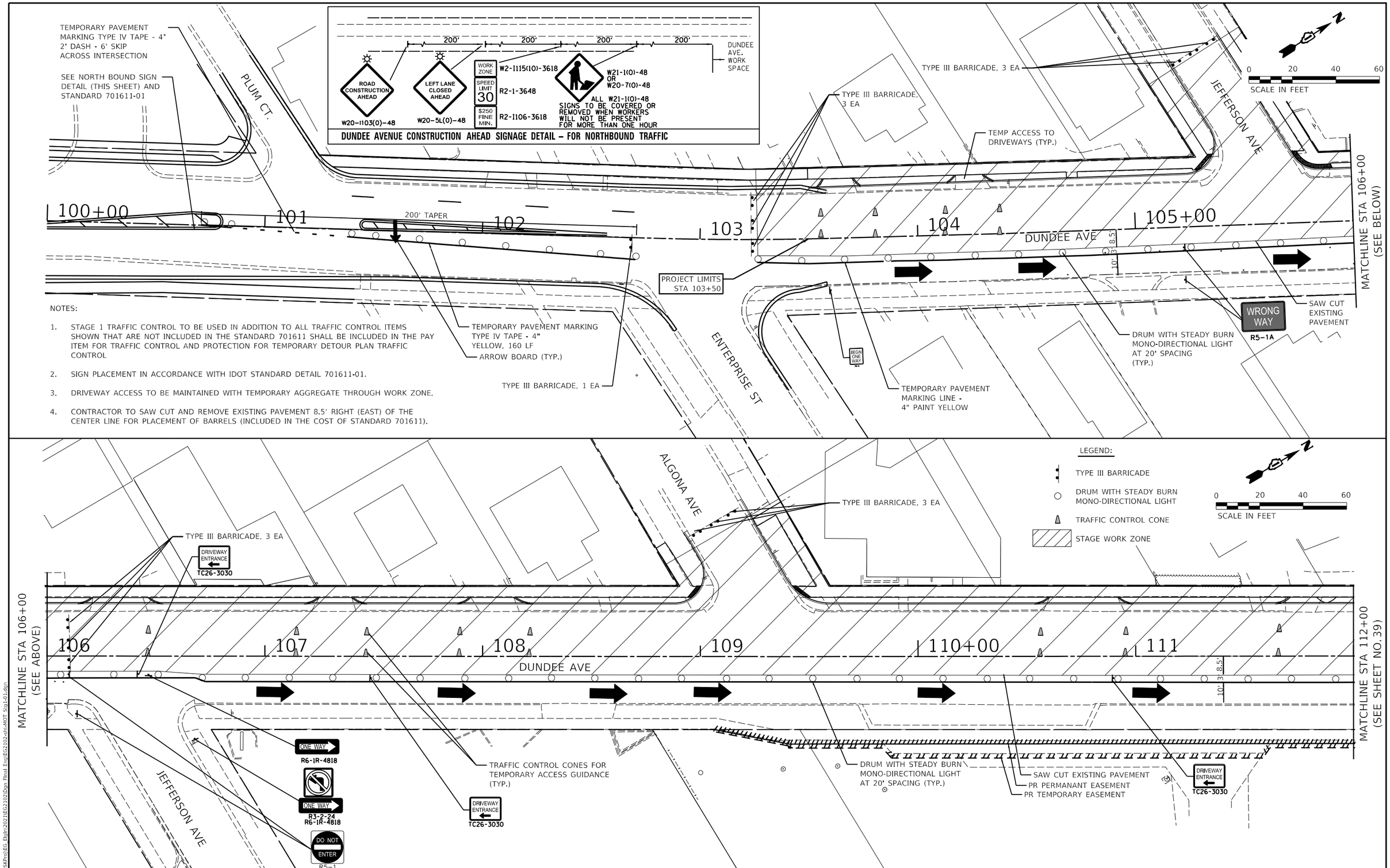
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
STAGING PLAN – STAGE 1

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	37
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. STAGE 1 TRAFFIC CONTROL TO BE USED IN ADDITION TO ALL TRAFFIC CONTROL ITEMS SHOWN THAT ARE NOT INCLUDED IN THE STANDARD 701611 SHALL BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR PLAN TRAFFIC CONTROL
2. SIGN PLACEMENT IN ACCORDANCE WITH IDOT STANDARD DETAIL 701611-01.
3. DRIVEWAY ACCESS TO BE MAINTAINED WITH TEMPORARY AGGREGATE THROUGH WORK ZONE.
4. CONTRACTOR TO SAW CUT AND REMOVE EXISTING PAVEMENT 8.5' RIGHT (EAST) OF THE CENTER LINE FOR PLACEMENT OF BARRELS (INCLUDED IN THE COST OF STANDARD 701611).

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
SUGGESTED CONSTRUCTION STAGING PLAN – STAGE 1

SCALE: 1" = 20' | SHEET 1 OF 4 SHEETS | STA. 100+71 TO STA. 112+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	38

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

LEGEND:

- TYPE III BARRICADE
- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- TRAFFIC CONTROL CONE
- STAGE WORK ZONE

0 20 40 60
SCALE IN FEET

TYPE III BARRICADE, 3 EA
LOVELL ST
BELLEVUE AVE
TYPE III BARRICADE, 3 EA
TEMP ACCESS TO DRIVEWAYS (TYP.)
TYPE III BARRICADE, 3 EA
TRAFFIC CONTROL CONES FOR TEMPORARY ACCESS GUIDANCE (TYP.)

MATCHLINE STA 112+00 (SEE SHEET NO.38)

112 113 114 115+00 116 117

DUNDEE AVE

10' 3' 8.5'

MATCHLINE STA 118+00 (SEE BELOW)

DRIVEWAY ENTRANCE TC26-3030
PR PERMANANT EASEMENT
PR TEMPORARY EASEMENT
TEMPORARY PAVEMENT MARKING LINE - 4" PAINT YELLOW
DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT AT 20' SPACING (TYP.)
WRONG WAY R5-1A
DO NOT ENTER R5-1
ONE WAY R6-1R-4818
DRIVEWAY ENTRANCE TC26-3030
COLUMBIA AVE
ONE WAY R3-2-24 R6-1R-4818
DRIVEWAY ENTRANCE TC26-3030
SAW CUT EXISTING PAVEMENT
WORK ZONE W2-1115(10)-3618
SPEED LIMIT 30 R2-1-3648
$250 FINE MIN. R2-1106-3618
WRONG WAY R5-1A

TYPE III BARRICADE, 3 EA
DUNCAN AVE
TYPE III BARRICADE, 3 EA
LINCOLN AVE
TYPE III BARRICADE, 3 EA
TRAFFIC CONTROL CONES FOR TEMPORARY ACCESS GUIDANCE (TYP.)
TYPE III BARRICADE, 3 EA
TEMP ACCESS TO DRIVEWAYS (TYP.)

0 20 40 60
SCALE IN FEET

MATCHLINE STA 118+00 (SEE ABOVE)

118 119 120+00 121 122 123

DUNDEE AVE

10' 3' 8.5'

MATCHLINE STA 124+00 (SEE SHEET NO.40)

DO NOT ENTER R5-1
DRIVEWAY ENTRANCE TC26-3030
LINCOLN AVE
TEMPORARY PAVEMENT MARKING LINE - 4" PAINT YELLOW
WRONG WAY R5-1A
SAW CUT EXISTING PAVEMENT
DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT AT 20' SPACING (TYP.)
DRIVEWAY ENTRANCE TC26-3030
DO NOT ENTER R5-1
CHESTER AVE
ONE WAY R6-1R-4818
DRIVEWAY ENTRANCE TC26-3030
ONE WAY R3-2-24 R6-1R-4818

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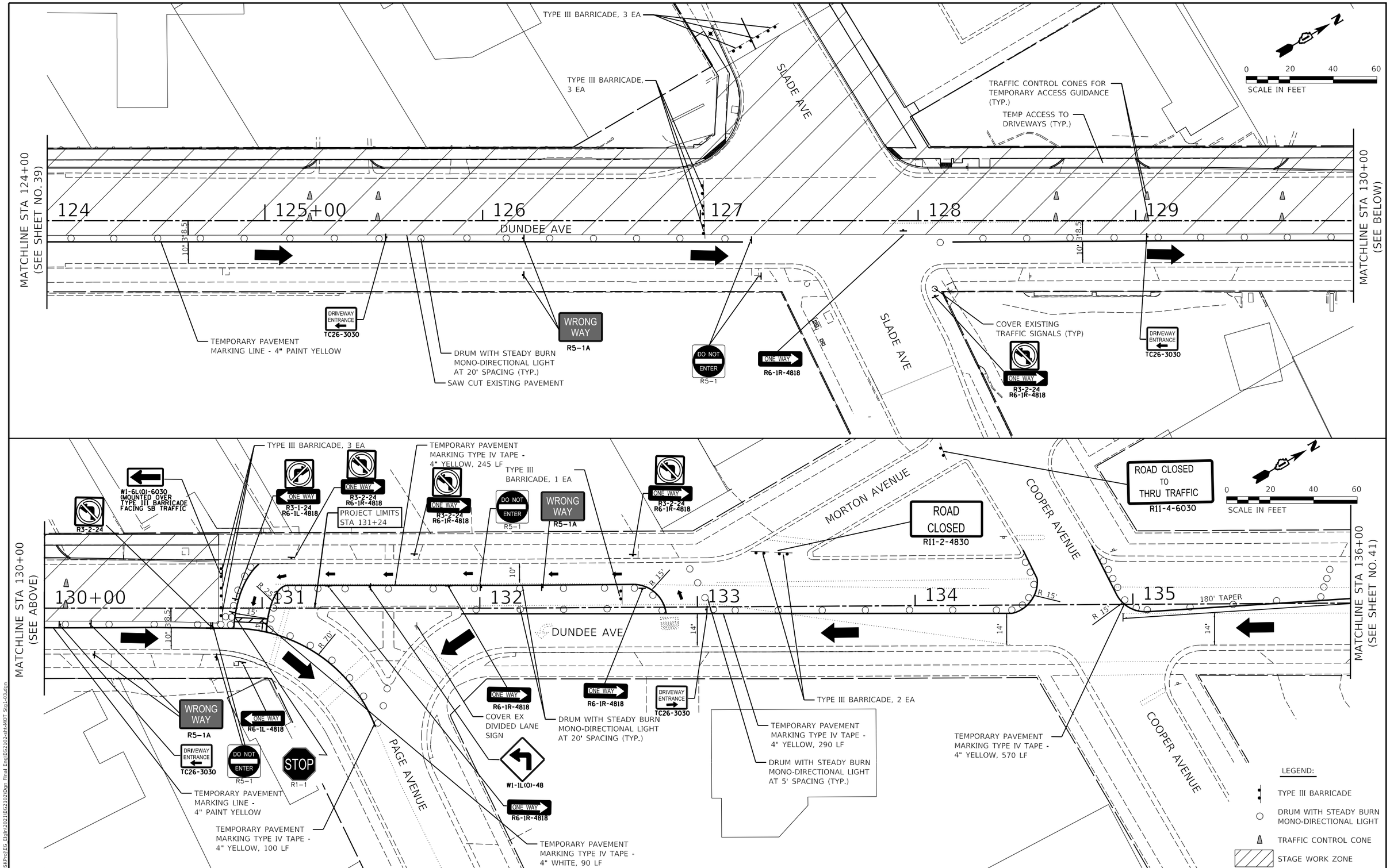
DUNDEE AVENUE
SUGGESTED CONSTRUCTION STAGING PLAN – STAGE 1

SCALE: 1" = 20' | SHEET 2 OF 4 SHEETS | STA. 112+00 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	39
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	



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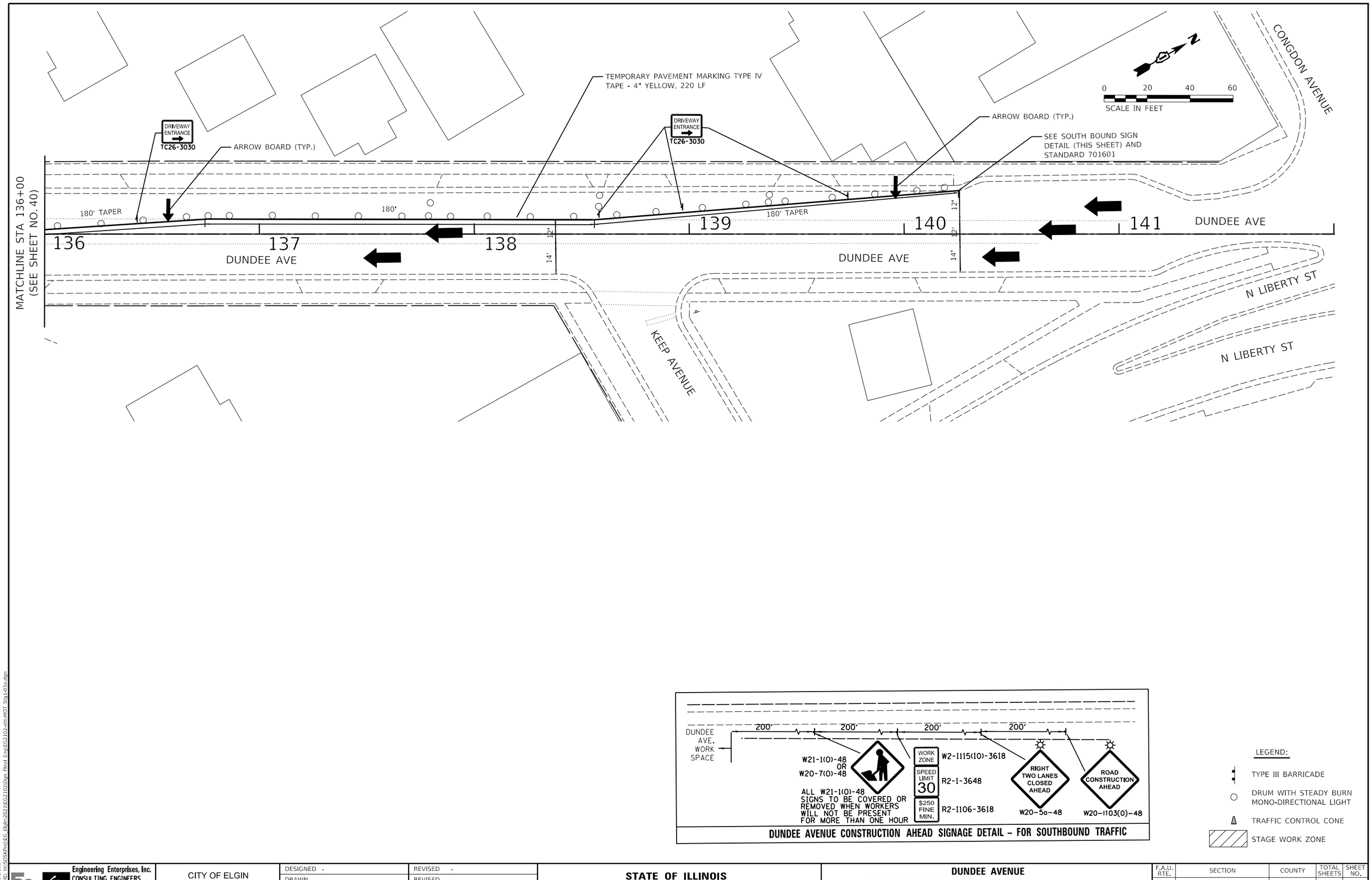
DUNDEE AVENUE
SUGGESTED CONSTRUCTION STAGING PLAN – STAGE 1

SCALE: 1" = 20' | SHEET 3 OF 4 SHEETS | STA. 124+00 TO STA. 136+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	40
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	



DUNDEE AVENUE CONSTRUCTION AHEAD SIGNAGE DETAIL – FOR SOUTHBOUND TRAFFIC

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DUNDEE AVENUE
SUGGESTED CONSTRUCTION STAGING PLAN – STAGE 1

SCALE: 1" = 20' | SHEET 4 OF 4 SHEETS | STA. 136+00 TO STA. 140+26

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	41

CONTRACT NO. 61K68

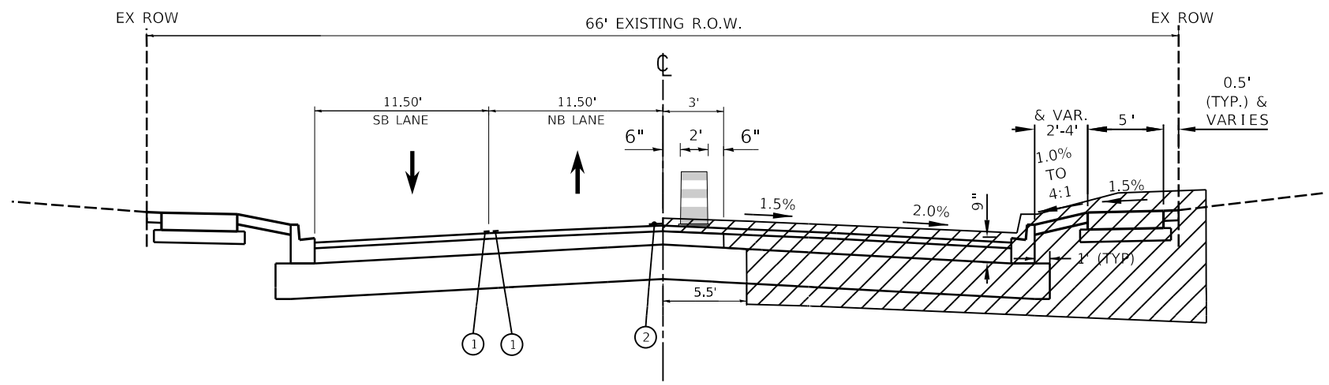
ILLINOIS | FED. AID PROJECT

STAGING LEGEND

CONSTRUCTION DURING STAGE

TRAFFIC CONTROL DEVICE DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT

DIRECTION OF TRAFFIC



CONSTRUCTION SECTION - STAGE 2
DUNDEE AVENUE

STAGE 2 SUGGESTED CONSTRUCTION SEQUENCE

1. REMOVE REMAINING EXISTING PAVEMENT AND CURB AND GUTTER.
2. INSTALL REMAINING PROPOSED STORM SEWER AND STRUCTURES FROM PREVIOUS PIPE STUB-OUTS.
3. INSTALL REMAINING AGGREGATE SUBGRADE 12-INCH.
4. INSTALL REMAINING TRAFFIC SIGNALS AT SLADE AVENUE FROM CONDUIT STUB-OUTS.
5. REMOVE AND REPLACE EAST SIDE APRONS AND SIDEWALK. TIME BETWEEN REMOVAL OF EXISTING CONCRETE AND INSTALLATION OF PROPOSED CONCRETE SHALL BE LIMITED TO MINIMIZE IMPACTS TO BUSINESSES.
6. PAVE REMAINING BASE COURSE 3.0 FEET EAST OF CENTERLINE.
7. PAVE REMAINING BINDER COURSE EAST OF CENTERLINE.
8. PAVE NORTH BOUND HOT-MIX SURFACE COURSE.
9. PAVE CENTER SOUTH BOUND HOT-MIX SURFACE COURSE.
10. PAVE WESTERN SOUTH BOUND HOT-MIX SURFACE COURSE.
11. REMOVE REMAINING TRAFFIC CONTROL DEVICES AND TEMP STRIPING PER DIRECTION OF THE ENGINEER.
12. COMPLETE FINAL STRIPING.

STAGE 2 GENERAL TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL NOT LEAVE A DROP OFF GREATER THAN 3 INCHES BETWEEN THE TRAVELED WAY AND TRENCHED WORK AREA OVERNIGHT.

2. ANY TEMPORARY STONE REQUIRED IS CONSIDERED INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL AND PROTECTION PAY ITEM.

LEGEND

(1) TEMPORARY PAVEMENT MARKING, 4" YELLOW

(2) TEMPORARY PAVEMENT MARKING, 4" WHITE

50 YEARS
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DEPARTMENT OF TRANSPORTATION

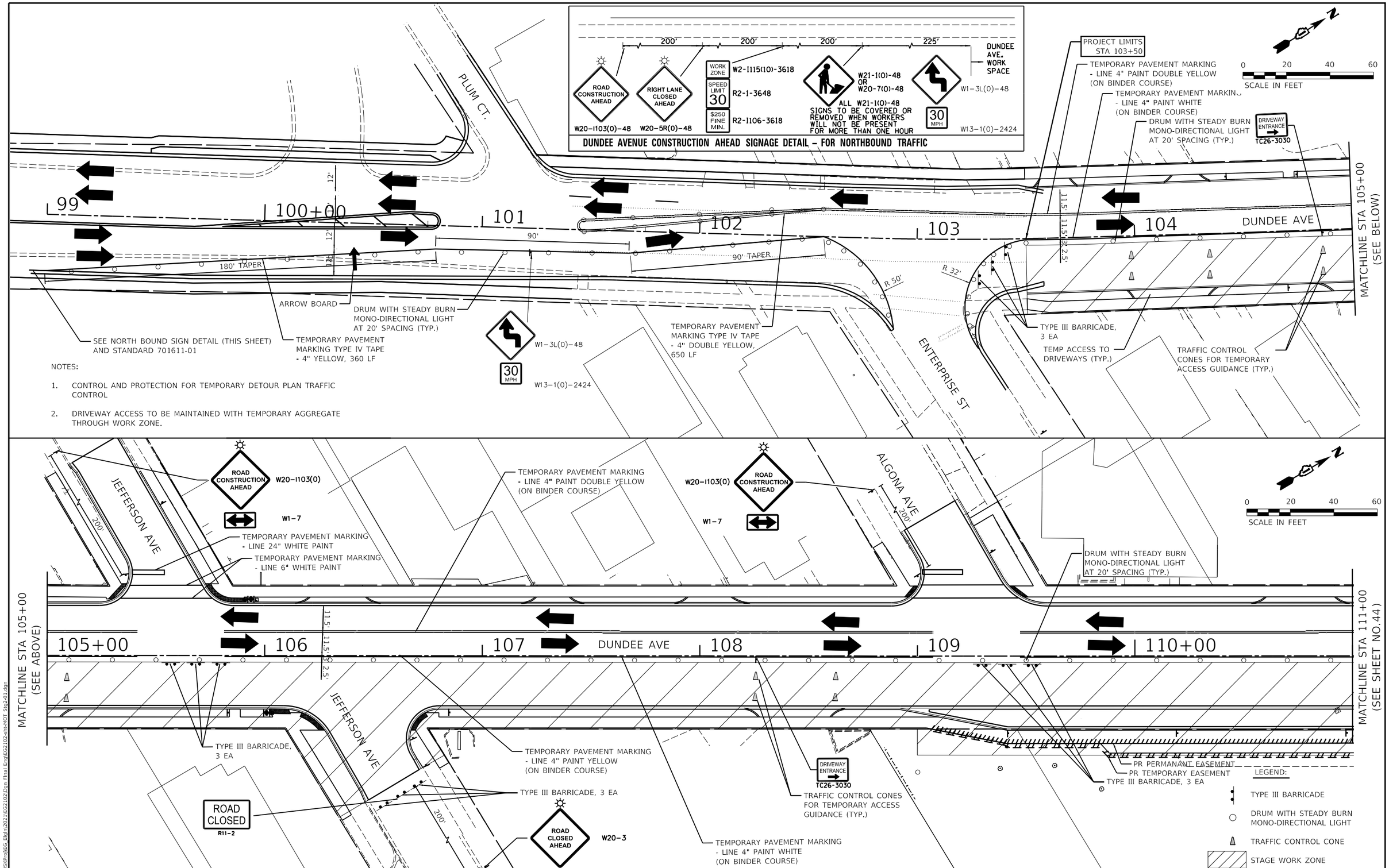
DUNDEE AVENUE
STAGING PLAN – STAGE 2

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	42

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



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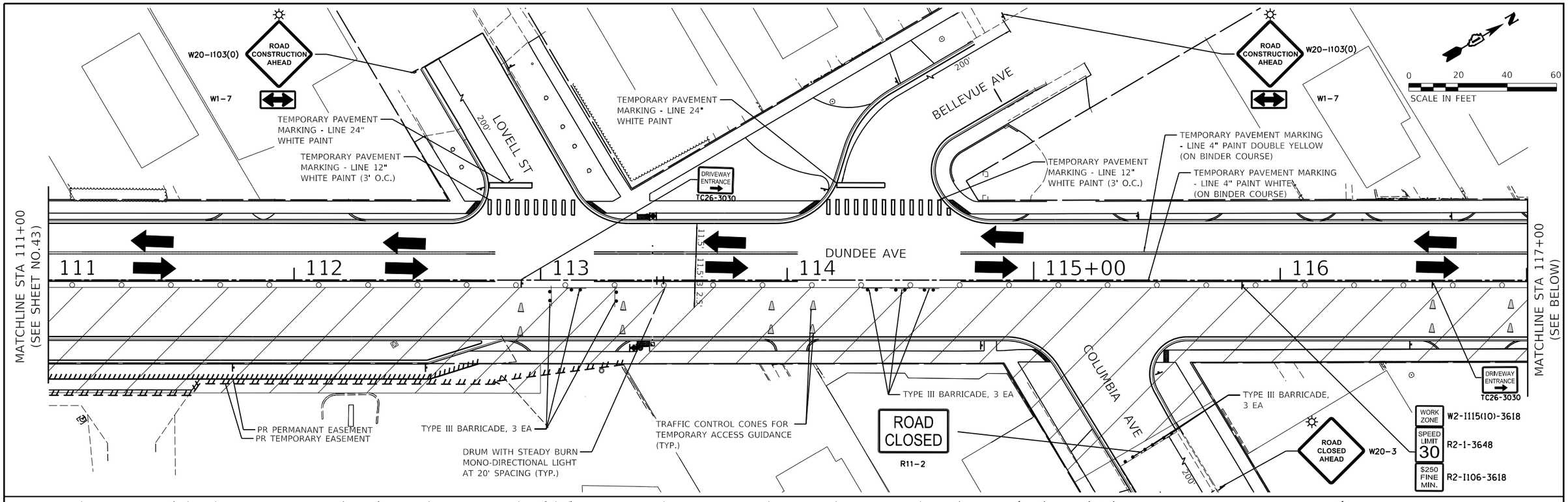
DUNDEE AVENUE
SUGGESTED CONSTRUCTION STAGING PLAN - STAGE 2

SCALE: 1" = 20' | SHEET 1 OF 4 SHEETS | STA. 99+00 TO STA. 111+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	43
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	



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STATE OF ILLINOIS
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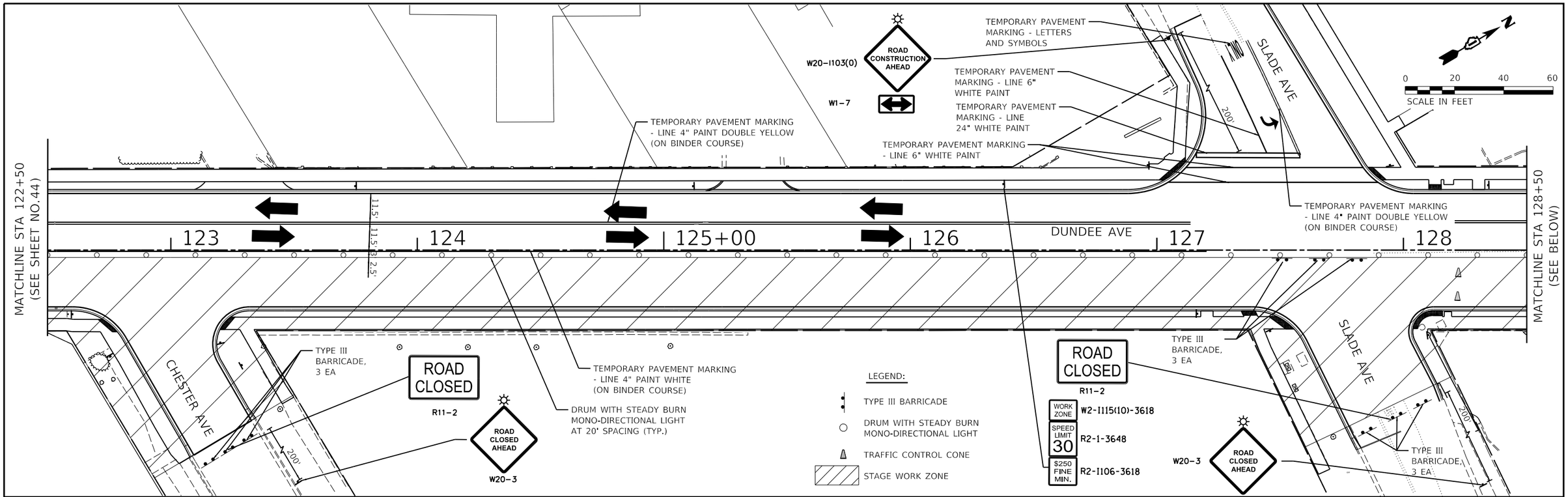
DUNDEE AVENUE
SUGGESTED CONSTRUCTION STAGING PLAN – STAGE 2

SCALE: 1" = 20' | SHEET 2 OF 4 SHEETS | STA. 111+00 TO STA. 122+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	44

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT



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DUNDEE AVENUE
SUGGESTED CONSTRUCTION STAGING PLAN – STAGE 2

SCALE: 1" = 20' | SHEET 3 OF 4 SHEETS | STA. 122+50 TO STA. 134+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	45

CONTRACT NO. 61K68

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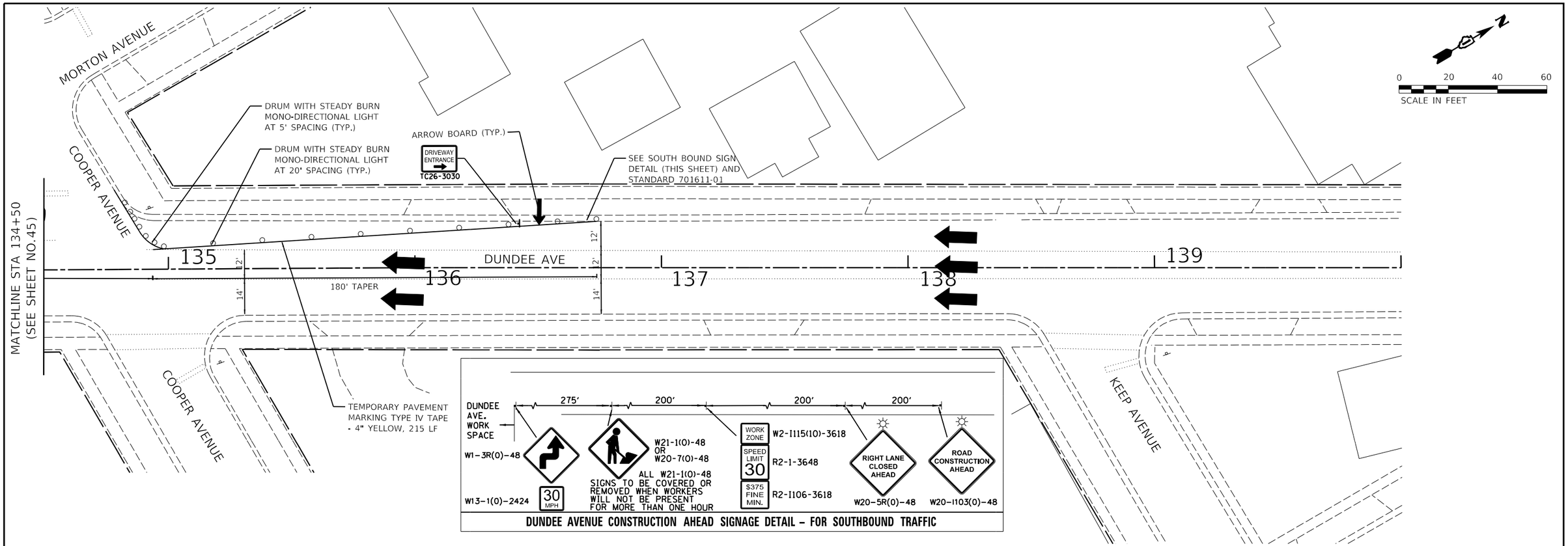

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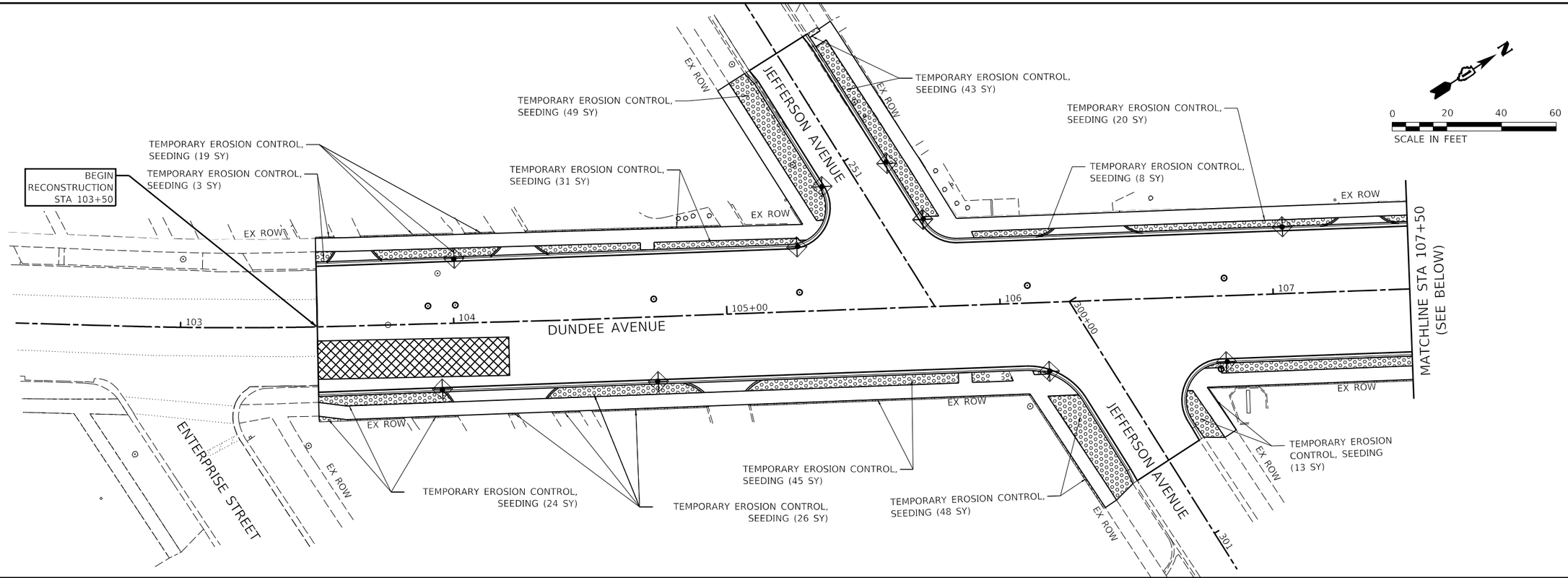
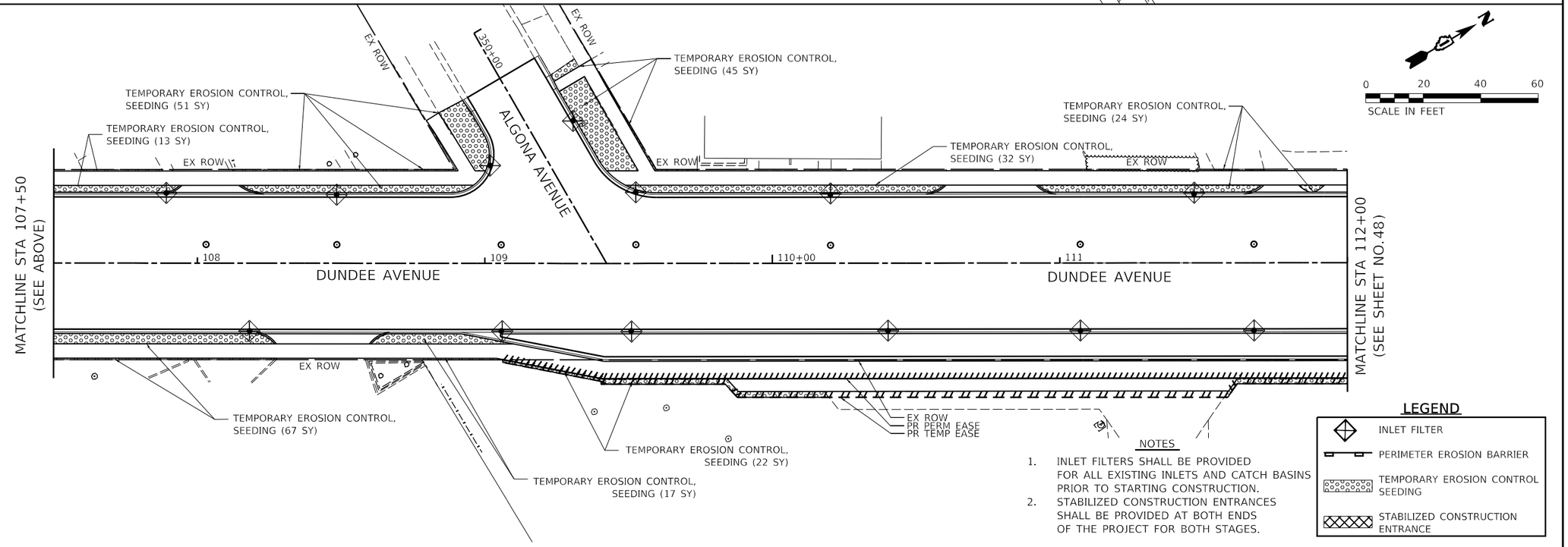
		DRAWN -	REVISED -		
		CHECKED -	REVISED -		
		DATE -	REVISED -		SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. 134+50 TO STA. 136+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	46
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	





NOTES

1. INLET FILTERS SHALL BE PROVIDED FOR ALL EXISTING INLETS AND CATCH BASINS PRIOR TO STARTING CONSTRUCTION.
2. STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED AT BOTH ENDS OF THE PROJECT FOR BOTH STAGES.

LEGEND

- INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING
- STABILIZED CONSTRUCTION ENTRANCE

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DUNDEE AVENUE
EROSION CONTROL PLAN

SCALE: 1" = 20' | SHEET 1 OF 3 SHEETS | STA. 103+50 TO STA. 112+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	47

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

LEGEND

- INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING
- STABILIZED CONSTRUCTION ENTRANCE

NOTES

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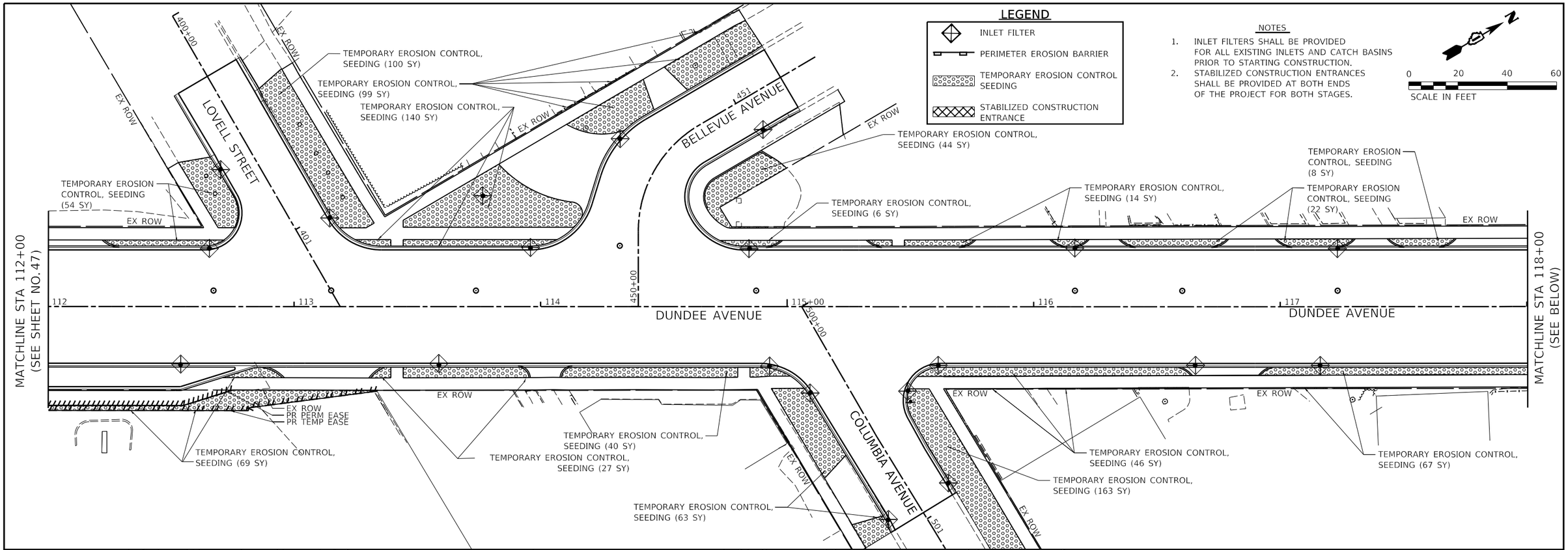
0 20 40 60
SCALE IN FEET



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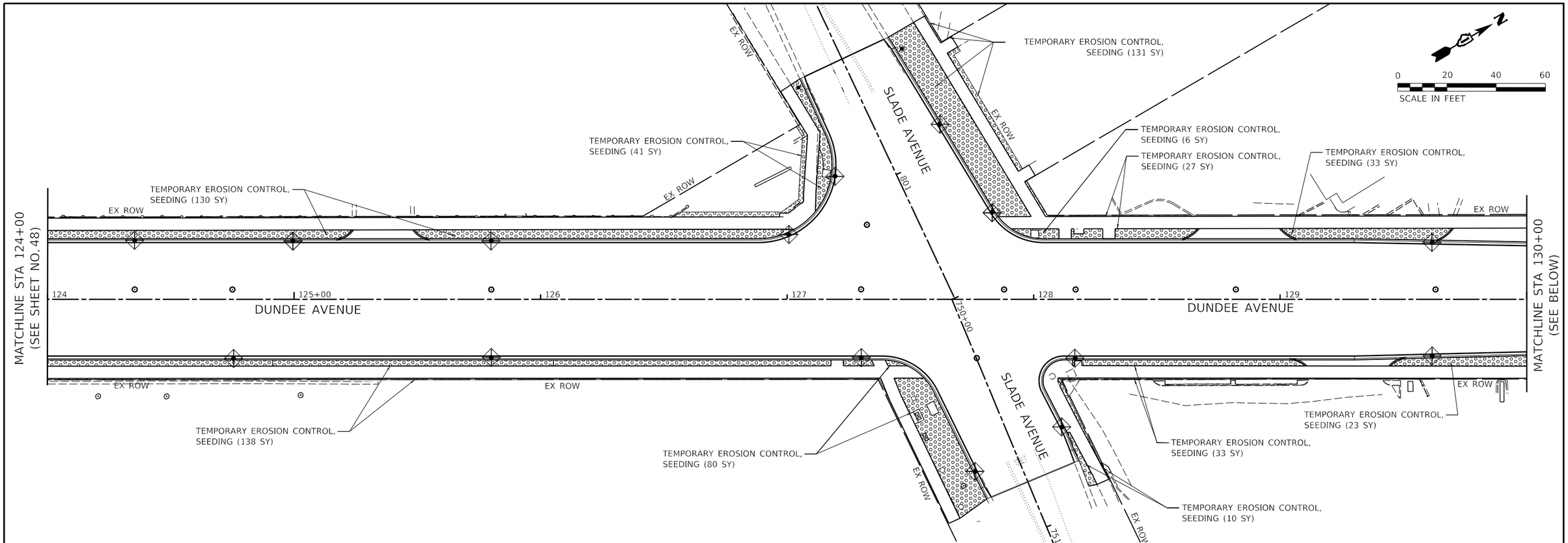
DUNDEE AVENUE
EROSION CONTROL PLAN

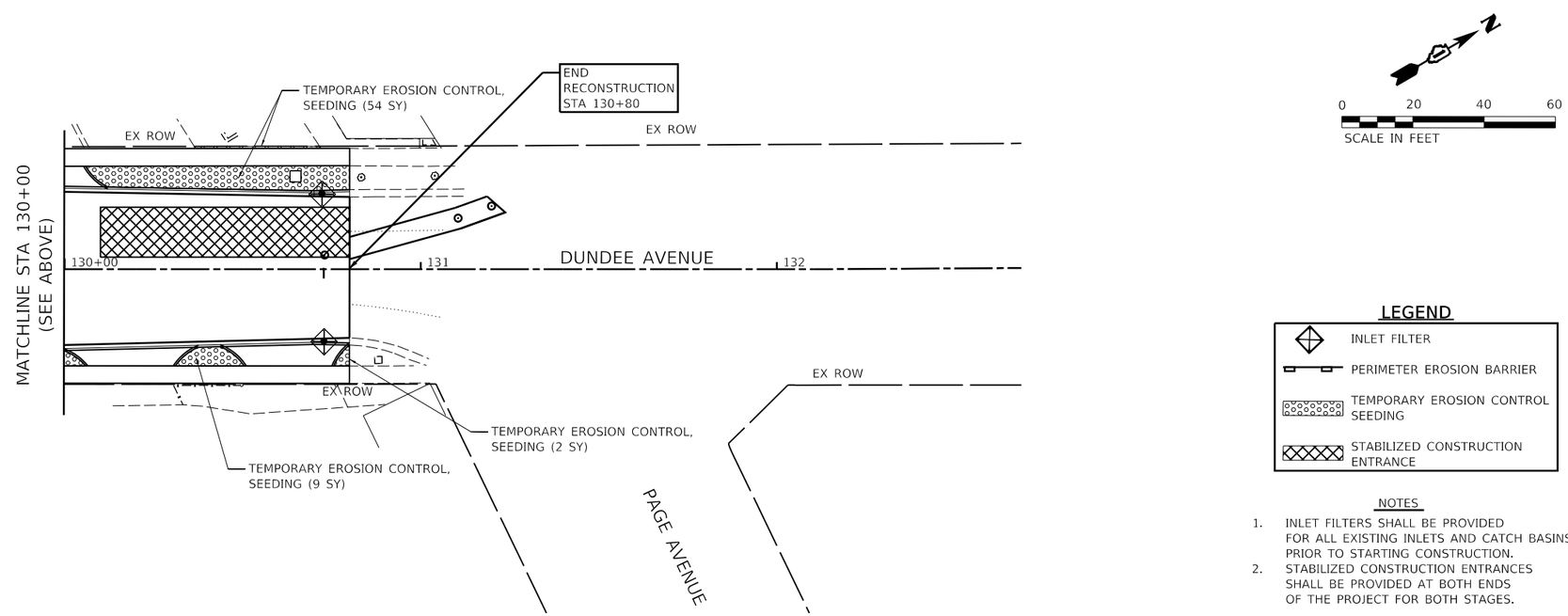
SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. 112+00 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	48

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT





LEGEND

- INLET FILTER
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING
- STABILIZED CONSTRUCTION ENTRANCE

NOTES

1. INLET FILTERS SHALL BE PROVIDED FOR ALL EXISTING INLETS AND CATCH BASINS PRIOR TO STARTING CONSTRUCTION.
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DUNDEE AVENUE
EROSION CONTROL PLAN

SCALE: 1" = 20' | SHEET 3 OF 3 SHEETS | STA. 124+00 TO STA. 130+80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	49

CONTRACT NO. 61K68

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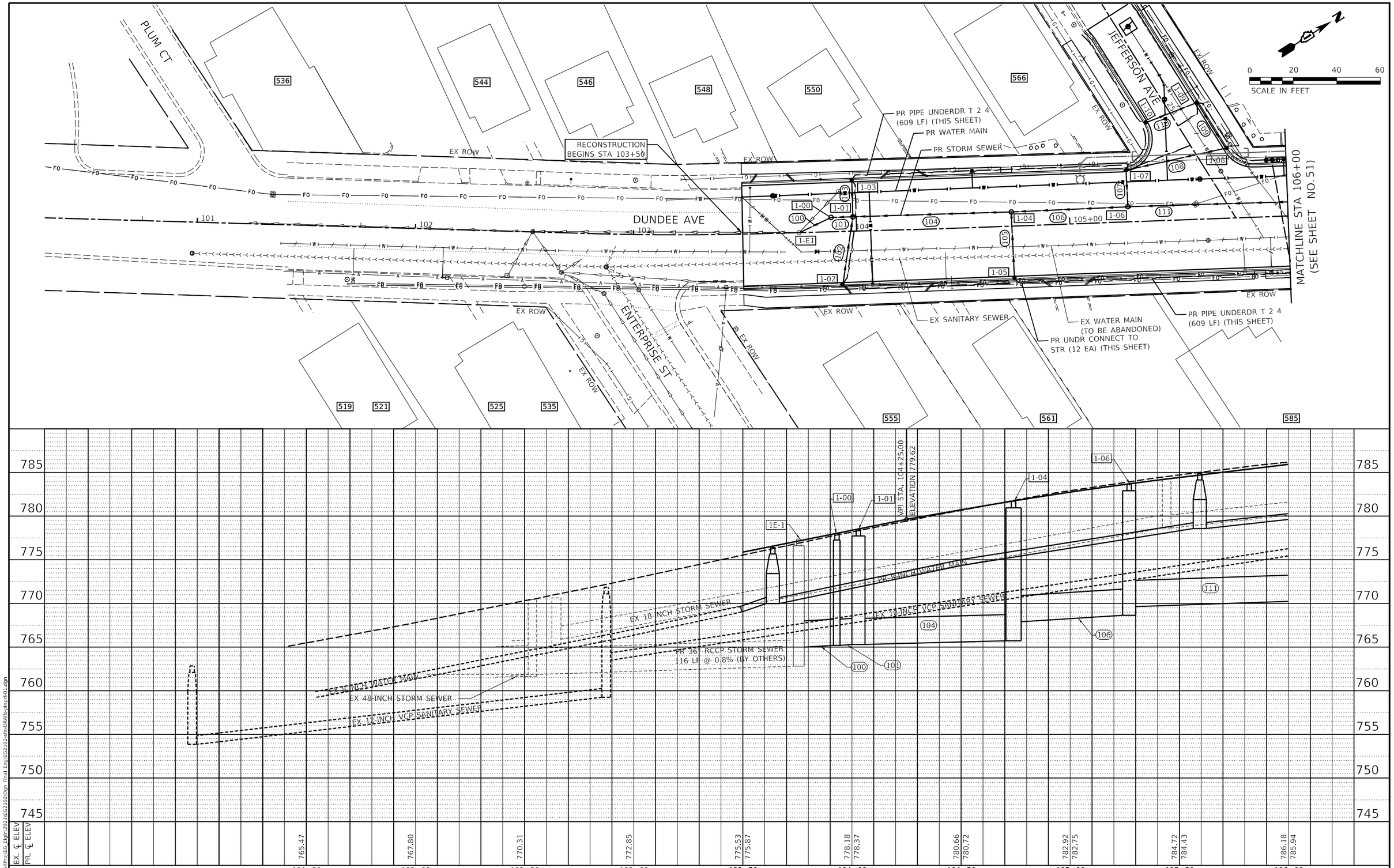

PLAN

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DUNDEE AVENUE
DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 1 OF 6 SHEETS | STA. 103+50 TO STA. 106+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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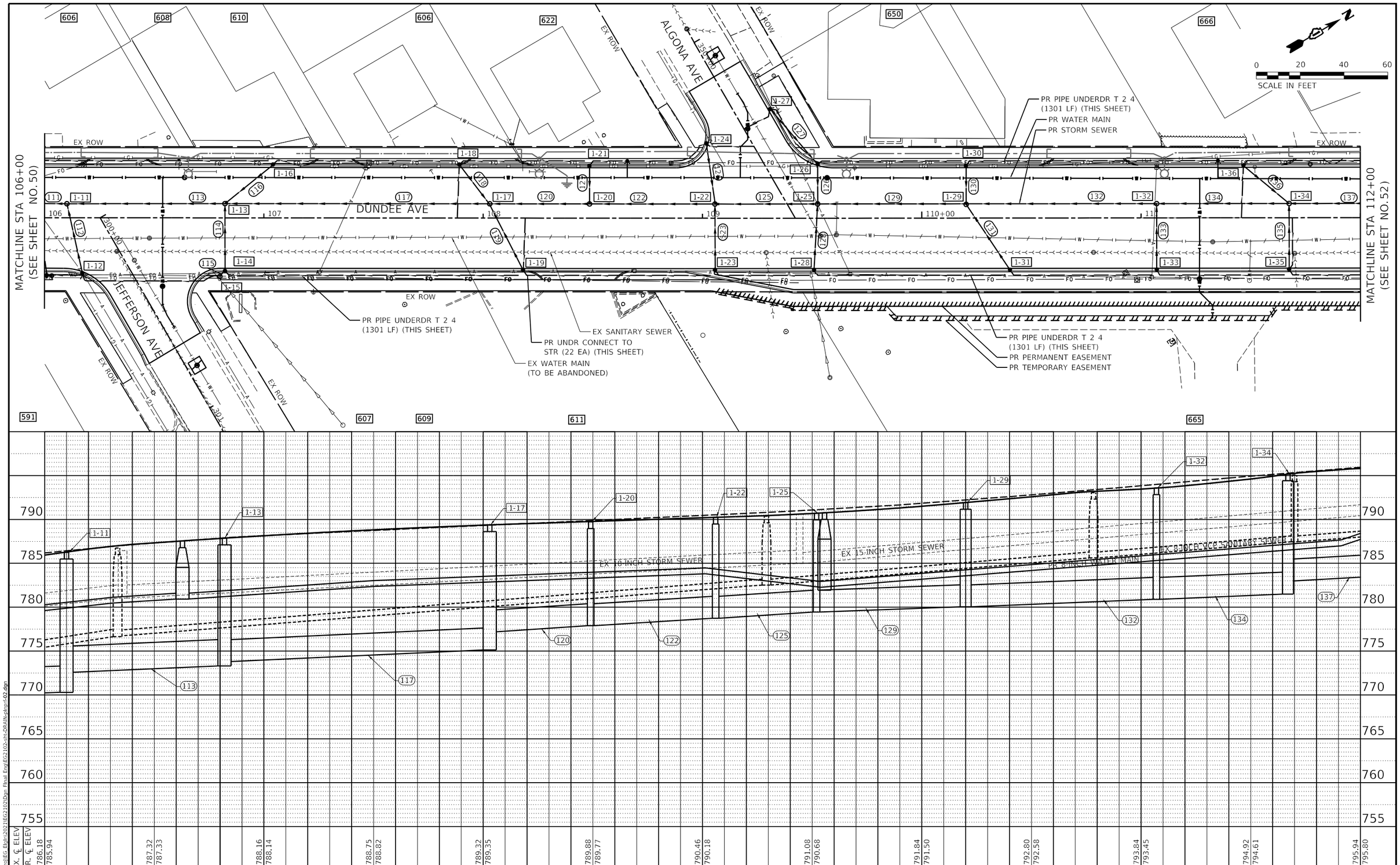
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	



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DUNDEE AVENUE
DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 2 OF 6 SHEETS | STA. 106+00 TO STA. 112+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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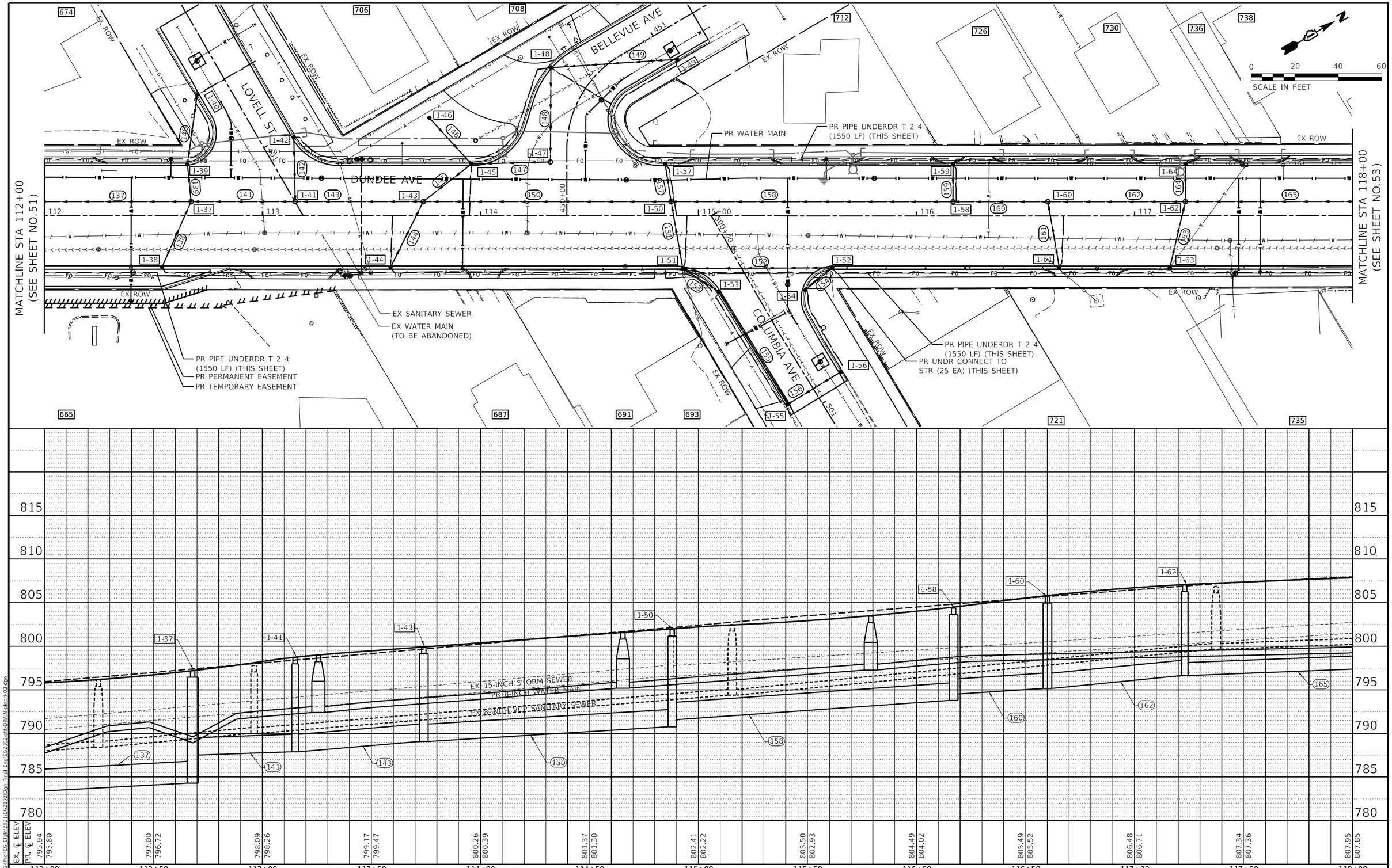
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	



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DUNDEE AVENUE
DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 3 OF 6 SHEETS | STA. 112+00 TO STA. 118+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	52

CONTRACT NO. 61K68

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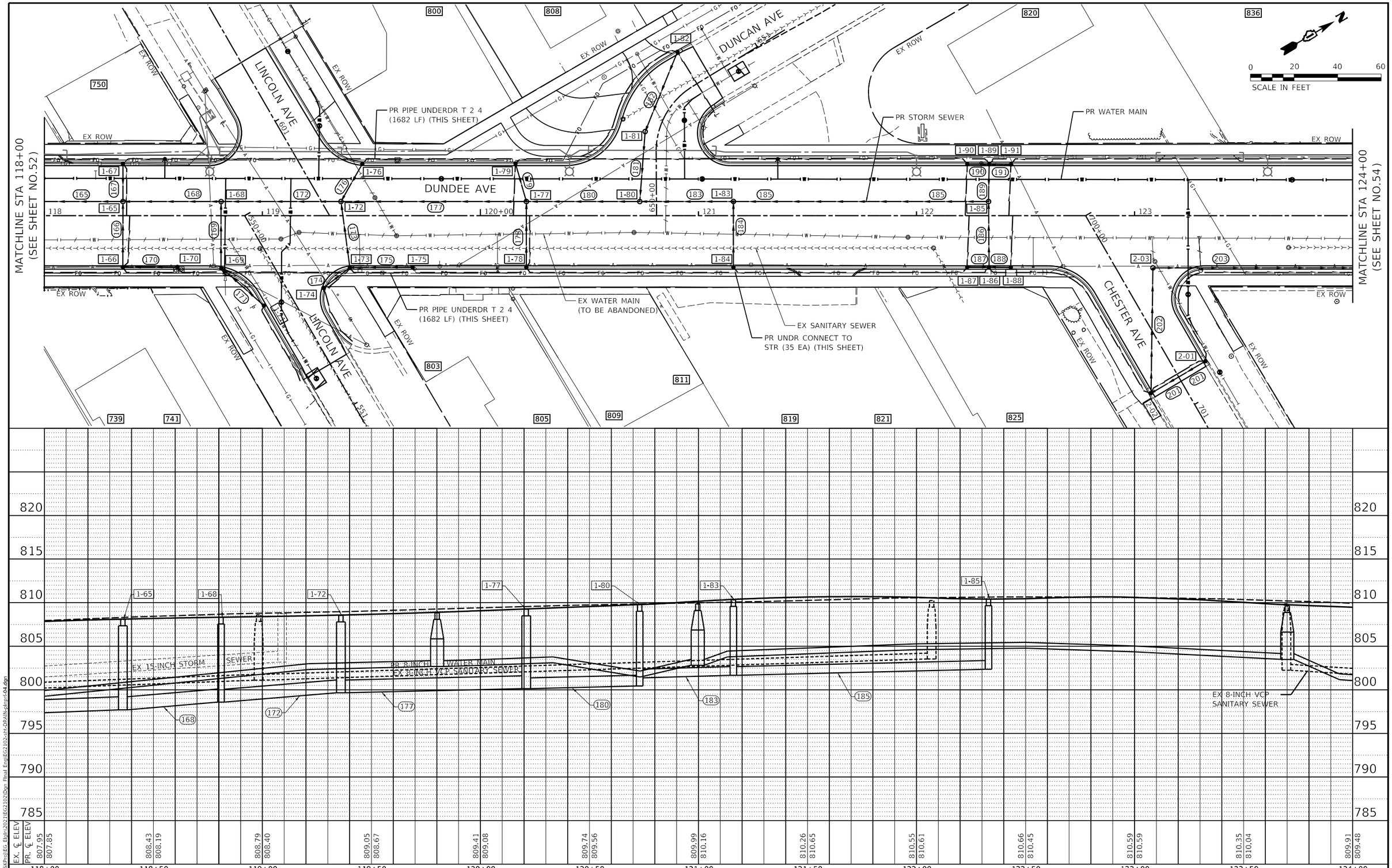

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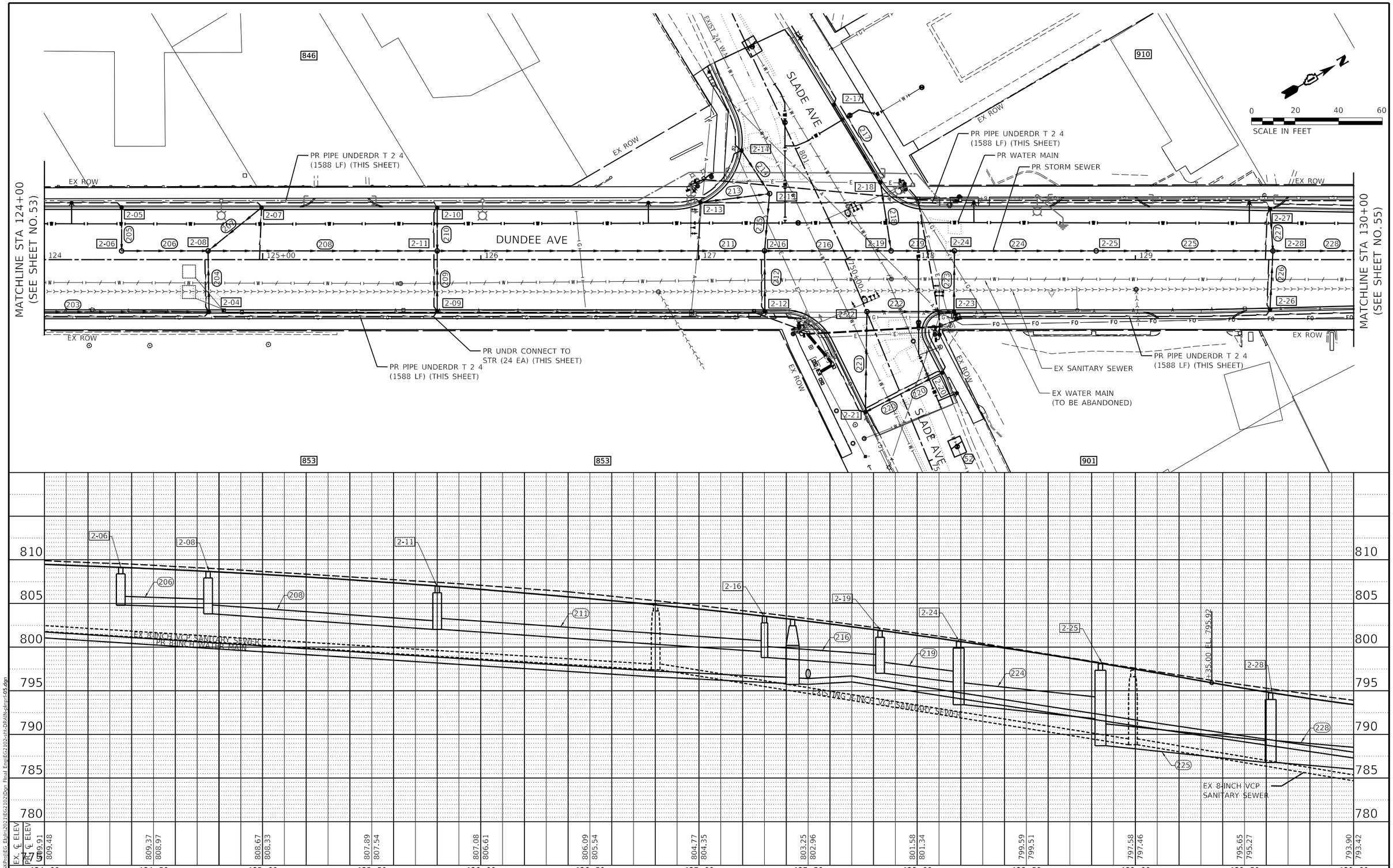
DUNDEE AVENUE
DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 4 OF 6 SHEETS | STA. 118+00 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	53

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



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DUNDEE AVENUE
DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 5 OF 6 SHEETS | STA. 124+00 TO STA. 130+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	54

CONTRACT NO. 61K68

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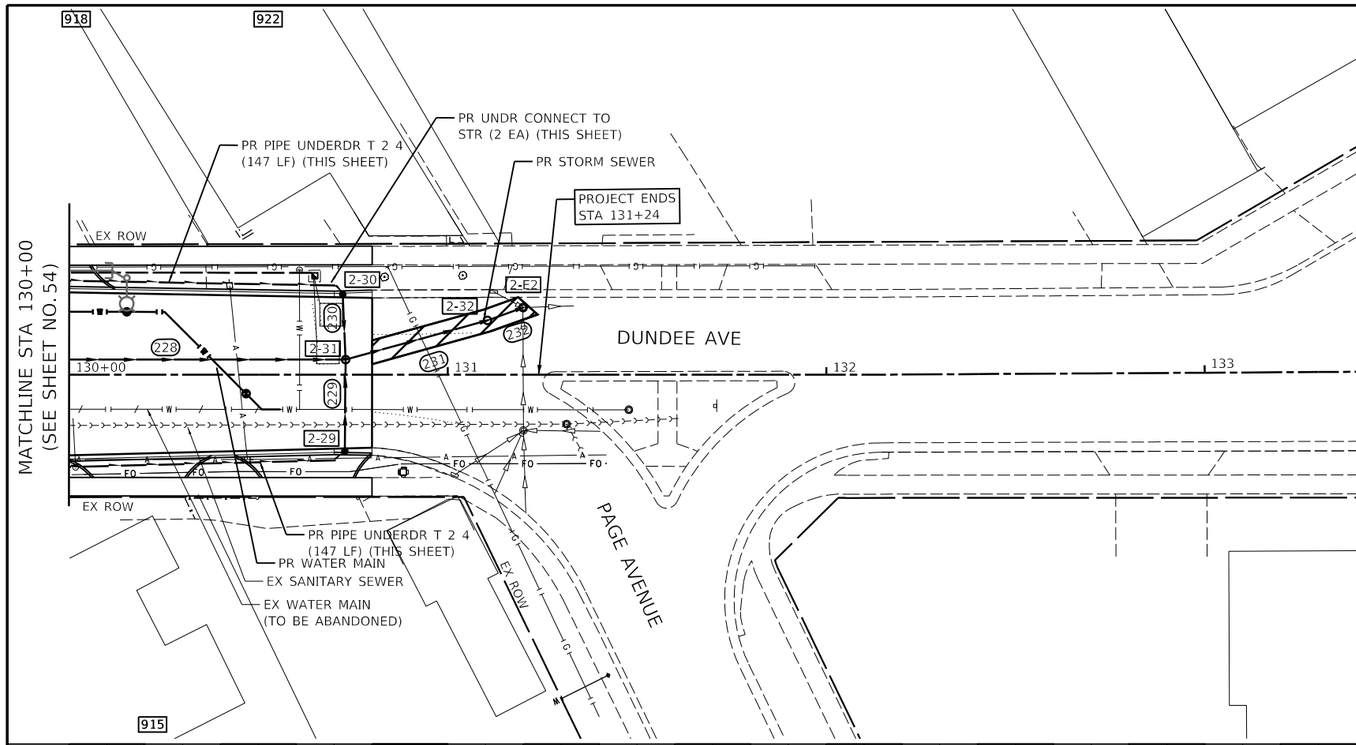
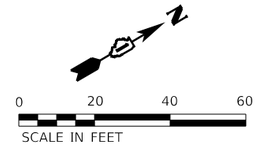
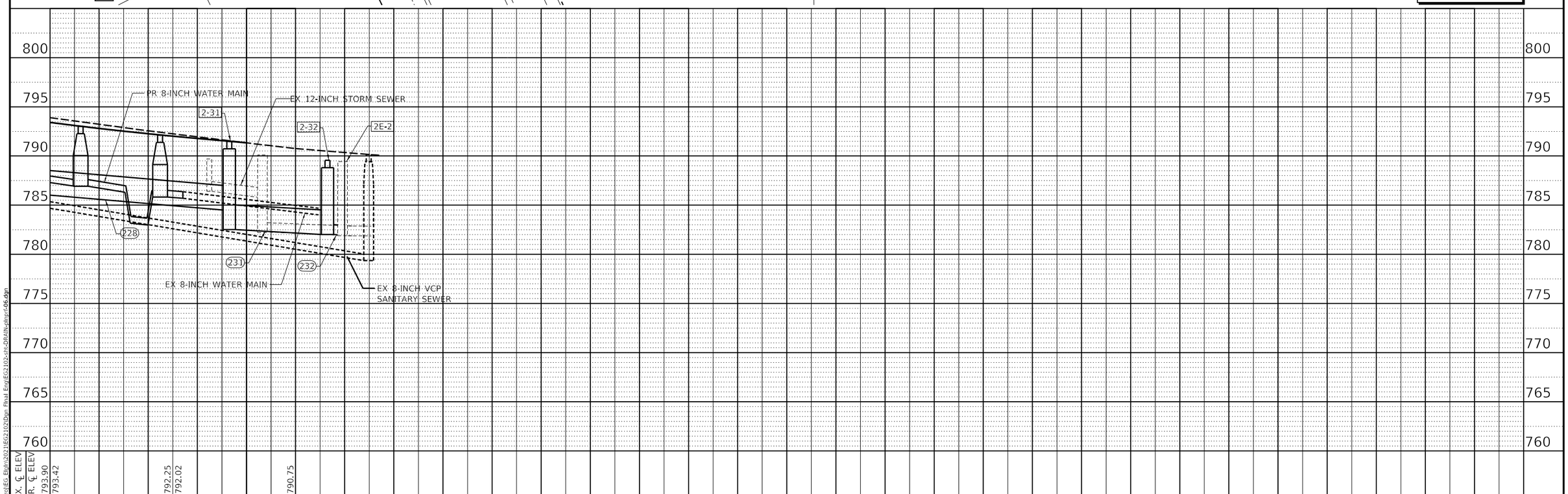




SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'



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NOTE BOOK
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CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 6 OF 6 SHEETS | STA. 130+00 TO STA. 131+24

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	55

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT

STR NO.	STA	O/S	STRUCTURE TYPE MH TY A (DIA)	STRUCTURE TYPE CB (TYPE)	TOP OF LID/ GRATE	N & NE INV.	E & SE INV.	S & SW INV.	W & NW INV.	LID OR GRATE TYPE	SHEET NO.
1-E1	103+76.00	0.00' LT	EXIST 4'		777.15	765.04		765.04			50
1-00	104+63.50	6.50' LT	6 W/24" RESTRICTOR		777.80	765.20		765.20		ELG 3.22	50
1-01	104+73.50	6.50' LT	7		778.30	765.30	772.20	765.30	774.11	ELG 3.22	50
1-02	103+95.00	25.00' RT		4	777.80				772.60	11	50
1-03	104+00.50	24.20' LT		4	777.97		774.41			11	50
1-04	104+73.50	6.50' LT	5		781.60	767.90	774.00	765.73		ELG 3.22	50
1-05	104+73.50	24.58' RT		4	781.27				774.40	11V	50
1-06	105+27.00	6.50' LT	5		783.60	769.64		768.64	779.35	ELG 3.22	50
1-07	105+26.50	24.80' LT		4	783.20	779.60	779.60			11V	50
1-08	105+73.17	32.25' LT		4	784.74			779.95	779.95	11V	50
1-09	105+60.77	53.77' LT		4	784.38		780.25	780.25		11	50
1-10	105+35.77	44.71' LT		4	783.61	780.65				11	50
1-11	106+10.00	6.50' LT	5		786.20	772.59	782.10	770.30		ELG 3.22	51
1-12	106+16.86	26.10' RT		4	786.00				782.30	11V	51
1-13	108+82.00	6.50' LT	6		787.77	773.81	780.75	773.31	783.70	ELG 3.22	51
1-14	106+82.00	24.58' RT		4	787.40		781.10		781.10	11V	51
1-15	106+80.00	26.70' RT	4		787.33	781.20	781.20			ELG 3.22	51
1-16	107+04.00	24.58' LT		3	787.74		784.00			11V	51
1-17	108+03.00	6.50' LT	6		789.28	777.20	784.75	775.14	784.90	ELG 3.22	51
1-18	107+89.00	24.58' LT		4	788.87		785.10			11V	51
1-19	108+18.00	24.58' RT		4	789.06				785.00	11V	51
1-20	108+48.50	6.50' LT	5		789.66	777.90		777.90	785.40	ELG 3.22	51
1-21	108+48.50	24.58' LT		4	789.30		785.60			11V	51
1-22	109+05.60	6.50' LT	5		790.13	778.75	785.50	778.75	784.50	ELG 3.22	51
1-23	109+05.60	24.58' RT		4	789.78				786.00	11V	51
1-24	109+01.00	34.37' LT		4	789.64	785.00				11	51
1-25	109+52.50	6.50' LT	5		790.61	779.45	786.25	779.45	784.00	ELG 3.22	51
1-26	109+52.77	25.67' LT		4	790.26		784.25		784.25	11V	51
1-27	109+31.40	50.12' LT		4	789.68		784.75	784.75		11	51
1-28	109+50.90	24.58' RT		4	790.24				786.75	11V	51
1-29	110+20.00	6.50' LT	5		791.83	780.05	788.00	780.05	788.00	ELG 3.22	51
1-30	110+20.00	24.58' LT		4	791.46		788.10			11V	51
1-31	110+40.00	24.58' RT		4	791.92				788.30	11V	51
1-32	111+07.00	6.50' LT	5		793.47	780.90	788.75	780.90		ELG 3.22	51
1-33	111+07.00	24.58' RT		4	793.11				789.50	11V	51
1-34	111+67.50	6.50' LT	5		795.07	783.00	788.50	781.50	789.70	ELG 3.22	51
1-35	111+67.50	24.58' RT		4	794.72				789.00	11V	51
1-36	111+46.50	24.58' LT		4	794.07		790.00			11V	51
1-37	112+67.00	6.50' LT	5		797.08	787.53	792.50	784.31	791.25	ELG 3.22	52
1-38	112+54.00	24.58' RT		4	796.36				792.80	11V	52
1-39	112+65.42	24.67' LT		4	796.68		791.38		791.38	11V	52
1-40	112+69.37	55.33' LT		4	795.30		791.75			11	52
1-41	113+15.00	6.50' LT	4		798.64	787.91		787.91	794.50	ELG 3.22	52
1-42	113+15.11	36.39' LT		4	798.01		795.00			11V	52
1-43	113+74.00	6.50' LT	4		799.80	789.09	793.50	789.09	791.63	ELG 3.22	52
1-44	113+59.00	24.58' RT		4	799.18				794.00	11V	52
1-45	113+95.84	24.58' LT		4	799.86	793.00	792.13	793.00		11V	52
1-46	113+76.50	45.00' LT		4	796.80		793.25			ELG 1.32	52
1-47	114+32.00	24.70' LT	4		800.45			793.30	793.30	ELG 3.22	52
1-48	114+31.39	68.80' LT		4	799.02	793.80	793.80			11	52
1-49	114+90.64	71.08' LT		4	798.80			794.15		11	52
1-50	114+87.50	6.50' LT	4		801.89	791.62	794.10	790.76	797.73	ELG 3.22	52
1-51	114+92.80	24.92' RT		4	801.82	797.29	798.10		794.70	11V	52
1-52	115+61.41	24.60' RT		4	802.64		798.59	798.59		11V	52
1-53	115+08.57	35.35' RT		4	802.04	798.50	798.50		798.50	11	52
1-54	115+49.20	34.21' RT		4	803.39				798.72	11	52
1-55	115+40.20	86.93' RT		4	806.03	801.85			800.00	11	52
1-56	115+65.93	71.18' RT		4	805.99			802.00		11	52
1-57	114+84.70	24.58' LT		4	801.50		797.98			11V	52
1-58	116+16.75	6.50' LT	4		804.39	794.54		793.79	800.35	ELG 3.22	52
1-59	116+16.75	24.58' LT		4	804.11		800.62			11V	52
1-60	116+60.50	6.50' LT	4		805.71	795.17	801.75	795.17		ELG 3.22	52
1-61	116+65.00	24.58' RT		4	805.49				801.90	11V	52

STR NO.	STA	O/S	STRUCTURE TYPE MH TY A (DIA)	STRUCTURE TYPE CB (TYPE)	TOP OF LID/ GRATE	N & NE INV.	E & SE INV.	S & SW INV.	W & NW INV.	LID OR GRATE TYPE	SHEET NO.
1-62	117+23.30	6.50' LT	4		806.97	796.63	802.70	796.63	803.25	ELG 3.22	52
1-63	117+16.20	24.58' RT		4	806.52				803.00	11V	52
1-64	117+23.30	24.58' LT		4	806.62		803.50			11V	52
1-65	118+36.00	6.50' LT	4		808.01	797.71	803.25	797.71	803.80	ELG 3.22	53
1-66	118+36.00	24.58' RT		4	807.67	803.80			803.80	11V	53
1-67	118+36.00	24.58' LT		4	807.67		804.20			11V	53
1-68	118+81.00	6.50' LT	4		808.22	798.60	803.70	798.60		ELG 3.22	53
1-69	118+81.00	24.95' RT		4	807.93		804.00		804.00	11V	53
1-70	118+61.00	24.58' RT		4	807.80			804.10		11V	53
1-71	119+00.16	41.50' RT		4	807.90				804.33	11	53
1-72	119+36.00	6.50' LT	5		808.48	799.67	803.35	799.67	804.76	ELG 3.22	53
1-73	11940.24	24.64' RT		4	808.15	803.75	804.10	803.75	803.75	11V	53
1-74	119+28.90	33.52' RT		4	808.36			804.17	804.17	11	53
1-75	119+69.00	24.58' RT		4	808.4			804.25		11V	53
1-76	119+46.00	24.66' LT		4	808.18		804.87			11V	53
1-77	120+21.00	6.50' LT	4		809.18	800.15	804.75	800.15	805.10	ELG 3.22	53
1-78	120+21.00	24.58' RT		4	808.83				805.00	11V	53
1-79	120+16.00	24.58' LT		4	808.78		805.35			11V	53
1-80	120+76.00	6.50' LT	4		809.68	801.38		800.45	803.80	ELG 3.22	53
1-81	120+75.50	38.60' LT	4		809.03		803.95		803.95	ELG 3.22	53
1-82	120+90.08	75.70' LT		4	807.71		804.17	804.17		11	53
1-83	121+16.00	6.50' LT	4		810.27	801.67	805.25	801.67		ELG 3.22	53
1-84	121+16.00	24.58' RT		4	809.92				805.75	11V	53
1-85	122+31.00	6.50' LT	4		810.30		804.80	802.37	805.75	ELG 3.22	53
1-86	122+33.00	24.58' RT		4	809.94	805.25		805.25	805.25	11	53
1-87	122+28.00	24.58' RT		4	809.97	805.30				11	53
1-88	122+38.00	24.58' RT		4	809.97			805.30		11	53
1-89	122+33.00	24.58' LT		4	809.94	806.20	806.20	806.20		11	53
1-90	122+28.00	24.58' LT		4	809.97	806.25				11	53
1-91	122+38.00	24.58' LT		4	809.97			806.25		11	53
2-01	123+33.18	66.36' RT		4	809.16			805.19		11	53
2-02	123+06.64	81.88' RT		4	809.11	805.06			805.06	11	53
2-03	123+08.40	23.94' RT	4		810.11	804.77	804.77			ELG 3.22	53
2-04	124+75.00	24.58' RT		4	808.22			803.94	803.94	11V	54
2-05	124+35.30	24.58' LT		4	808.82		805.00			11V	54
2-06	124+35.30	4.00' LT	4		809.07	804.80			804.80	ELG 3.22	54
2-07	125+00.00	24.58' LT		4	807.88		804.40			11V	54
2-08	124+75.00	4.00' LT	4		808.60	803.81	803.81	804.50	804.00	ELG 3.22	54
2-09	125+80.00	24.58' RT		4	806.54				802.75	11V	54
2-10	125+80.00	24.58' LT		4	806.57		802.75			11V	54
2-11	125+80.00	4.00' LT	4		806.94	802.03	802.50	802.03	802.50	ELG 3.22	54
2-12	127+30.00	24.58' RT		4	803.08				799.72	11V	54
2-13	127+00.28	27.10' LT		4	803.85	800.33				11V	54
2-14	127+17.88	50.12' LT		4	803.41	799.75				11	54
2-15	127+32.30	36.25' LT	5		803.04	799.25		799.25	799.25	ELG 3.22	54
2-16	127+30.00	4.00' LT	4		803.48	798.80	799.50	799.48	799.00	ELG 3.22	54
2-17	127+62.45	71.37' LT		4	802.31		800.10			11	54
2-18	127+83.96	35.92' LT		4	801.21		798.34		799.75	11V	54
2-19	127+88.00	4.00' LT	4		801.68	797.00		797.90	798.10	ELG 3.22	54
2-20	128+12.23	51.44' RT		4	800.44			797.48		11	54
2-21	127+75.57	70.23' RT		5	801.08	797.35			797.35	11	54
2-22	127+77.00	23.75' RT	4		801.66	797.20	797.20	799.50		11V	54
2-23	128+17.00	24.58' RT		4	800.29			797.05	797.05	11V	54
2-24	128+17.00	4.00' LT	5		800.68	793.40	796.90	795.99		ELG 3.22	54
2-25	128+82.00	4.00' LT	5		798.16	788.70				ELG 3.22	54
2-26	129+61.75	23.80' RT		4	794.36				791.25	11V	54
2-27	129+61.75	24.00' LT		4	794.36		791.25			11V	54
2-28	129+63.00	4.00' LT	5		794.68	786.78	791.00	786.78	791.00	ELG 3.22	54
2-29	130+72.88	21.15' RT		4	791.10				787.20	11V	55
2-30	130+72.24	22.13' LT		4	791.10		787.20			11V	55
2-31	130+73.00	4.00' LT	5		791.43	782.50	787.00	784.50	787.00	ELG 3.22	55
2-32	131+10.47	14.36' LT	6 W/ RESTRICTOR		789.55	782.00		782.00		ELG 3.22	55
2-E2	131+20	17.75' LT	EXIST 4'		789.47			781.92			55

USER NAME = JMarvig PLOT SCALE = 1:2
PLOT DATE = 1/15/2024 1:03:32 PM
MODEL: Default
FILE NAME: H:\SDSKPro\IEG Elgin\2021\EG2102\Dyn Final Eng\EG2102-sht-Drain-Tbls-07.dgn

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
DRAINAGE STRUCTURE TABLES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	56

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

PIPE NO.	U/S STR NO.	U/S ELEVATION	D/S STR. NO.	D/S ELEVATION	DIA (INCHES)	LENGTH (FEET)	CLASS AND TYPE	SLOPE (FT/FT)	TRENCH BACKFILL (CY)
P100	1-01A	765.20	E1	765.04	36	16	C IV, T-1	1.0%	21.54
P101	1-01	765.30	1-01A	765.20	36	10	C IV, T-1	1.0%	6.52
P102	1-02	772.60	1-01	772.20	12	31	C IV, T-1	1.3%	7.93
P103	1-03	774.41	1-01	774.11	12	17	C IV, T-1	1.8%	1.42
P104	1-04	765.73	1-01	765.30	36	71	C IV, T-1	0.6%	163.16
P105	1-05	774.40	1-04	774.00	12	29	C IV, T-1	1.4%	17.85
P106	1-06	768.64	1-04	767.90	36	53	C IV, T-1	1.4%	118.33
P107	1-07	779.60	1-06	779.35	12	17	C IV, T-1	1.5%	1.67
P108	1-08	779.95	1-07	779.60	12	48	C IV, T-1	0.7%	7.80
P109	1-09	780.25	1-08	779.95	12	26	C IV, T-1	1.2%	4.41
P110	1-10	780.65	1-09	780.25	12	25	C IV, T-1	1.6%	2.57
P111	1-11	770.30	1-06	769.64	36	83	C IV, T-1	0.8%	206.01
P112	1-12	782.30	1-11	782.10	12	32	C IV, T-1	0.6%	3.95
P113	1-13	773.31	1-11	772.59	36	72	C IV, T-1	1.0%	160.60
P114	1-14	781.10	1-13	780.75	12	30	C IV, T-1	1.2%	15.99
P115	1-15	781.20	1-14	781.10	12	4	C IV, T-1	2.5%	0.00
P116	1-16	784.00	1-13	783.70	15	28	C IV, T-1	1.1%	3.15
P117	1-17	775.14	1-13	773.81	30	121	C IV, T-1	1.1%	266.90
P118	1-18	785.10	1-17	784.90	12	22	C IV, T-1	0.9%	2.52
P119	1-19	785.00	1-17	784.75	12	33	C IV, T-1	0.8%	4.86
P120	1-20	777.90	1-17	777.20	30	46	C IV, T-1	1.5%	73.24
P121	1-21	785.60	1-20	785.40	12	17	C IV, T-1	1.2%	1.67
P122	1-22	778.75	1-20	777.90	30	57	C IV, T-1	1.5%	90.29
P123	1-23	786.00	1-22	785.50	12	29	C IV, T-1	1.7%	4.22
P124	1-24	785.00	1-22	784.50	15	27	C IV, T-1	1.9%	5.92
P125	1-25	779.45	1-22	778.75	30	47	C IV, T-1	1.5%	69.68
P126	1-26	784.25	1-25	784.00	15	18	C IV, T-1	1.4%	7.70
P127	1-27	784.75	1-26	784.25	15	33	C IV, T-1	1.5%	8.72
P128	1-28	786.75	1-25	786.25	18	29	C IV, T-1	1.7%	2.99
P129	1-29	780.05	1-25	779.45	30	68	C IV, T-1	0.9%	108.58
P130	1-30	788.10	1-29	788.00	12	17	C IV, T-1	0.6%	1.45
P131	1-31	788.30	1-29	788.00	12	35	C IV, T-1	0.9%	3.83
P132	1-32	780.90	1-29	780.05	30	87	C IV, T-1	1.0%	154.88
P133	1-33	789.50	1-32	788.75	12	29	C IV, T-1	2.6%	3.98
P134	1-34	781.50	1-32	780.90	30	60	C IV, T-1	1.0%	111.31
P135	1-35	789.00	1-34	788.50	12	29	C IV, T-1	1.7%	8.81
P136	1-36	790.00	1-34	789.70	12	27	C IV, T-1	1.1%	4.96
P137	1-37	784.31	1-34	783.00	30	101	C IV, T-1	1.3%	192.35
P138	1-38	792.80	1-37	792.50	12	31	C IV, T-1	1.0%	4.06
P139	1-39	791.38	1-37	791.25	12	18	C IV, T-1	0.7%	1.95
P140	1-40	791.75	1-39	791.38	12	33	C IV, T-1	1.1%	5.62
P141	1-41	787.91	1-37	787.53	24	47	C IV, T-1	0.8%	58.06
P142	1-42	795.00	1-41	794.50	12	29	C IV, T-1	1.7%	3.10
P143	1-43	789.09	1-41	787.91	24	59	C IV, T-1	2.0%	82.34
P144	1-44	794.00	1-43	793.50	12	32	C IV, T-1	1.6%	9.04
P145	1-45	792.13	1-43	791.63	12	30	C IV, T-1	1.7%	21.76
P146	1-46	793.25	1-45	793.00	12	29	C IV, T-1	0.9%	6.78
P147	1-47	793.30	1-45	793.00	12	34	C IV, T-1	0.9%	21.20
P148	1-48	793.80	1-47	793.30	12	43	C IV, T-1	1.2%	14.36
P149	1-49	794.15	1-48	793.80	12	58	C IV, T-1	0.6%	13.49
P150	1-50	790.76	1-43	789.09	24	111	C IV, T-1	1.5%	166.58
P151	1-51	794.70	1-50	794.10	12	28	C IV, T-1	2.1%	18.18
P152	1-52	798.59	1-51	797.29	12	68	C IV, T-1	1.9%	11.47
P153	1-53	798.50	1-51	798.10	12	22	C IV, T-1	1.8%	2.18
P154	1-54	798.72	1-52	798.59	12	17	C IV, T-1	0.8%	2.23
P155	1-55	800.00	1-53	798.50	12	59	C IV, T-1	2.5%	12.63
P156	1-56	802.00	1-55	801.85	12	29	C IV, T-1	0.5%	3.82
P157	1-57	797.98	1-50	797.73	12	19	C IV, T-1	1.3%	1.92
P158	1-58	793.79	1-50	791.62	24	128	C IV, T-1	1.7%	180.99
P159	1-59	800.62	1-58	800.35	12	19	C IV, T-1	1.4%	1.63
P160	1-60	795.17	1-58	794.54	21	42	C IV, T-1	1.5%	50.37
P161	1-61	801.90	1-60	801.75	18	28	C IV, T-1	0.5%	2.36

PIPE NO.	U/S STR NO.	U/S ELEVATION	D/S STR. NO.	D/S ELEVATION	DIA (INCHES)	LENGTH (FEET)	CLASS AND TYPE	SLOPE (FT/FT)	TRENCH BACKFILL (CY)
P162	1-62	796.63	1-60	795.17	21	63	C IV, T-1	2.3%	82.71
P163	1-63	803.00	1-62	802.70	12	28	C IV, T-1	1.1%	3.20
P164	1-64	803.50	1-62	803.25	12	20	C IV, T-1	1.3%	1.91
P165	1-65	797.71	1-62	796.63	18	113	C IV, T-1	1.0%	147.92
P166	1-66	803.80	1-65	803.25	12	27	C IV, T-1	2.0%	4.17
P167	1-67	804.20	1-65	803.80	12	20	C IV, T-1	2.0%	2.06
P168	1-68	798.60	1-65	797.71	18	45	C IV, T-1	2.0%	51.47
P169	1-69	804.00	1-68	803.70	12	27	C IV, T-1	1.1%	3.95
P170	1-70	804.10	1-66	803.80	12	25	C IV, T-1	1.2%	2.57
P171	1-71	804.33	1-69	804.00	12	25	C IV, T-1	1.3%	2.57
P172	1-72	799.67	1-68	798.60	18	52	C IV, T-1	2.1%	54.05
P173	1-73	803.75	1-72	803.35	12	27	C IV, T-1	1.5%	4.96
P174	1-74	804.17	1-73	804.10	12	14	C IV, T-1	0.5%	1.47
P175	1-75	804.25	1-73	803.75	12	33	C IV, T-1	1.5%	5.05
P176	1-76	804.87	1-72	804.76	12	21	C IV, T-1	0.5%	1.98
P177	1-77	800.15	1-72	799.67	18	87	C IV, T-1	0.6%	90.80
P178	1-78	805.00	1-77	804.75	12	26	C IV, T-1	1.0%	3.55
P179	1-79	805.35	1-77	805.10	12	21	C IV, T-1	1.2%	2.05
P180	1-80	800.45	1-77	800.15	15	54	C IV, T-1	0.6%	56.11
P181	1-81	803.95	1-80	803.80	12	34	C IV, T-1	0.4%	8.82
P182	1-82	804.17	1-81	803.95	12	42	C IV, T-1	0.5%	7.08
P183	1-83	801.67	1-80	801.38	12	41	C IV, T-1	0.7%	34.40
P184	1-84	805.75	1-83	805.25	12	26	C IV, T-1	1.9%	4.41
P185	1-85	802.37	1-83	801.67	12	110	C IV, T-1	0.6%	97.92
P186	1-86	805.25	1-85	804.80	12	26	C IV, T-1	1.7%	5.70
P187	1-87	805.30	1-86	805.25	12	10	C IV, T-1	0.5%	1.06
P188	1-88	805.30	1-86	805.25	12	10	C IV, T-1	0.5%	1.06
P189	1-89	806.20	1-85	805.75	12	20	C IV, T-1	2.3%	2.51
P190	1-90	806.25	1-89	806.20	12	10	C IV, T-1	0.5%	0.59
P191	1-91	806.25	1-89	806.20	12	10	C IV, T-1	0.5%	0.59
P201	2-01	805.19	2-02	805.06	12	28	C IV, T-1	0.5%	3.66
P202	2-02	805.06	2-03	804.77	12	58	C IV, T-1	0.5%	11.84
P203	2-03	804.77	2-04	803.94	12	167	C IV, T-1	0.5%	39.81
P204	2-04	803.94	2-08	803.81	12	27	C IV, T-1	0.5%	4.62
P205	2-05	805.00	2-06	804.80	12	20	C IV, T-1	1.0%	2.36
P206	2-06	804.80	2-08	804.50	12	40	C IV, T-1	0.7%	5.97
P207	2-07	804.40	2-08	804.00	12	31	C IV, T-1	1.3%	4.14
P208	2-08	803.81	2-11	802.03	12	105	C IV, T-1	1.7%	24.53
P209	2-09	802.75	2-11	802.50	12	27	C IV, T-1	0.9%	3.72
P210	2-10	802.75	2-11	802.50	12	20	C IV, T-1	1.3%	2.51
P211	2-11	802.03	2-16	799.48	15	150	C IV, T-1	1.7%	29.12
P212	2-12	799.72	2-16	799.50	12	27	C IV, T-1	0.8%	2.84
P213	2-13	800.33	2-15	799.25	12	32	C IV, T-1	3.4%	3.43
P214	2-14	799.75	2-15	799.25	12	22	C IV, T-1	2.3%	2.11
P215	2-15	799.25	2-16	799.00	15	26	C IV, T-1	1.0%	3.34
P216	2-16	798.80	2-19	797.90	15	53	C IV, T-1	1.7%	8.48
P217	2-17	800.10	2-18	799.75	12	42	C IV, T-1	0.8%	4.82
P218	2-18	798.34	2-19	798.10	15	31	C IV, T-1	0.8%	3.09
P219	2-19	797.00	2-24	795.99	15	36	C IV, T-1	2.8%	6.74
P220	2-20	797.48	2-21	797.35	12	39	C IV, T-1	0.3%	4.36
P221	2-21	797.35	2-22	797.20	12	47	C IV, T-1	0.3%	6.66
P222	2-22	797.20	2-23	797.05	12	41	C IV, T-1	0.4%	5.04
P223	2-23	797.05	2-24	796.90	12	27	C IV, T-1	0.6%	2.77
P224	2-24	793.40	2-25	791.80	30	65	C IV, T-1	2.5%	42.62
P225	2-25	788.70	2-28	786.78	30	78	C IV, T-1	2.5%	81.12
P226	2-26	791.25	2-28	791.00	12	24	C IV, T-1	1.0%	2.38
P227	2-27	791.25	2-28	791.00	12	21	C IV, T-1	1.2%	1.98
P228	2-28	786.78	2-31	784.50	30	111	C IV, T-1	2.1%	90.24
P229	2-29	787.20	2-31	787.00	12	21	C IV, T-1	1.0%	2.60
P230	2-30	787.20	2-31	787.00	12	20	C IV, T-1	1.0%	2.42
P231	2-31	782.50	2-32	782.00	30	40	C IV, T-1	1.3%	34.47
P232	2-32	782.00	2-E2	781.92	12	10	C IV, T-1	0.8%	2.88

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DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

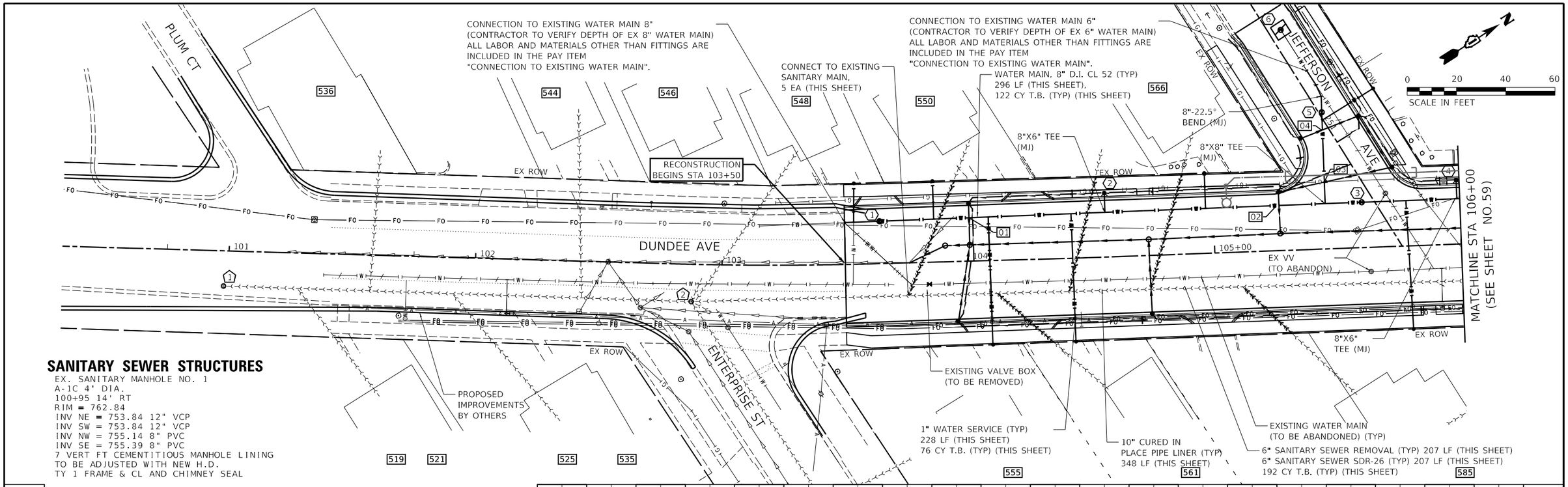
DUNDEE AVENUE
DRAINAGE PIPE TABLES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	57

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



SANITARY SEWER STRUCTURES

EX. SANITARY MANHOLE NO. 1
A-1C 4' DIA.
100+95 14' RT
RIM = 762.84
INV NE = 753.84 12" VCP
INV SW = 753.84 12" VCP
INV NW = 755.14 8" PVC
INV SE = 755.39 8" PVC
7 VERT FT CEMENTITIOUS MANHOLE LINING
TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

EX. SANITARY MANHOLE NO. 2
A-1C 4' DIA.
102+90 15' RT
RIM = 771.84
INV NE = 763.49 10" VCP
INV NE = 759.24 10 " VCP
INV SW = 759.14 12" VCP
INV E = 759.24 12" VCP
INV NW = 764.74 6" VCP
11 VERT FT CEMENTITIOUS MANHOLE LINING
TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

UTILITY CONFLICT NO. 01
B/STM = 774.10
T/WM = 772.60
WM PROTECTION REQ'D
(RUBBER GASKET
STORM SEWER)

UTILITY CONFLICT NO. 02
B/STM = 779.30
T/WM = 777.80
WM PROTECTION REQ'D
(RUBBER GASKET
STORM SEWER)

UTILITY CONFLICT NO. 03
B/STM = 778.90
T/WM = 777.40
WM PROTECTION REQ'D
(RUBBER GASKET
STORM SEWER)

UTILITY CONFLICT NO. 04
B/STM = 778.30
T/WM = 778.80
WM PROTECTION REQ'D
(RUBBER GASKET
STORM SEWER)

WATER MAIN STRUCTURES

VALVE VAULT NO. 1
A-1C 4' DIA.
103+71, 17' LT
RIM = 776.30
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP CORPORATION STOPS 1"

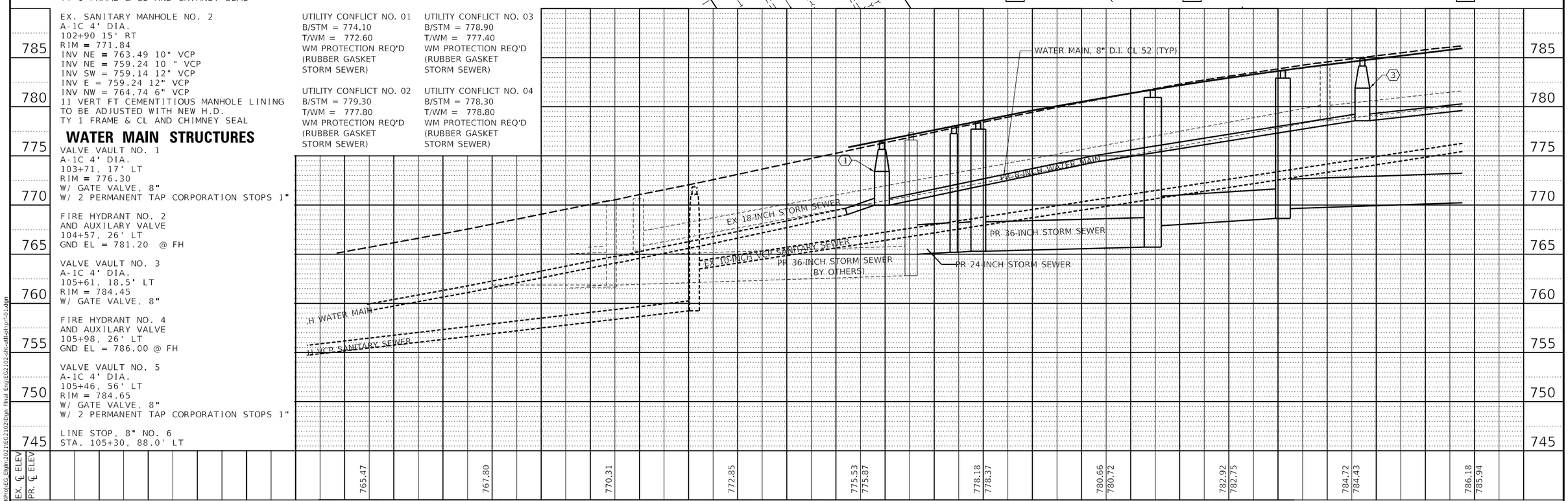
FIRE HYDRANT NO. 2
AND AUXILARY VALVE
104+57, 26' LT
GND EL = 781.20 @ FH

VALVE VAULT NO. 3
A-1C 4' DIA.
105+61, 18.5' LT
RIM = 784.45
W/ GATE VALVE, 8"

FIRE HYDRANT NO. 4
AND AUXILARY VALVE
105+98, 26' LT
GND EL = 786.00 @ FH

VALVE VAULT NO. 5
A-1C 4' DIA.
105+46, 56' LT
RIM = 784.65
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP CORPORATION STOPS 1"

LINE STOP, 8" NO. 6
STA. 105+30, 88.0' LT



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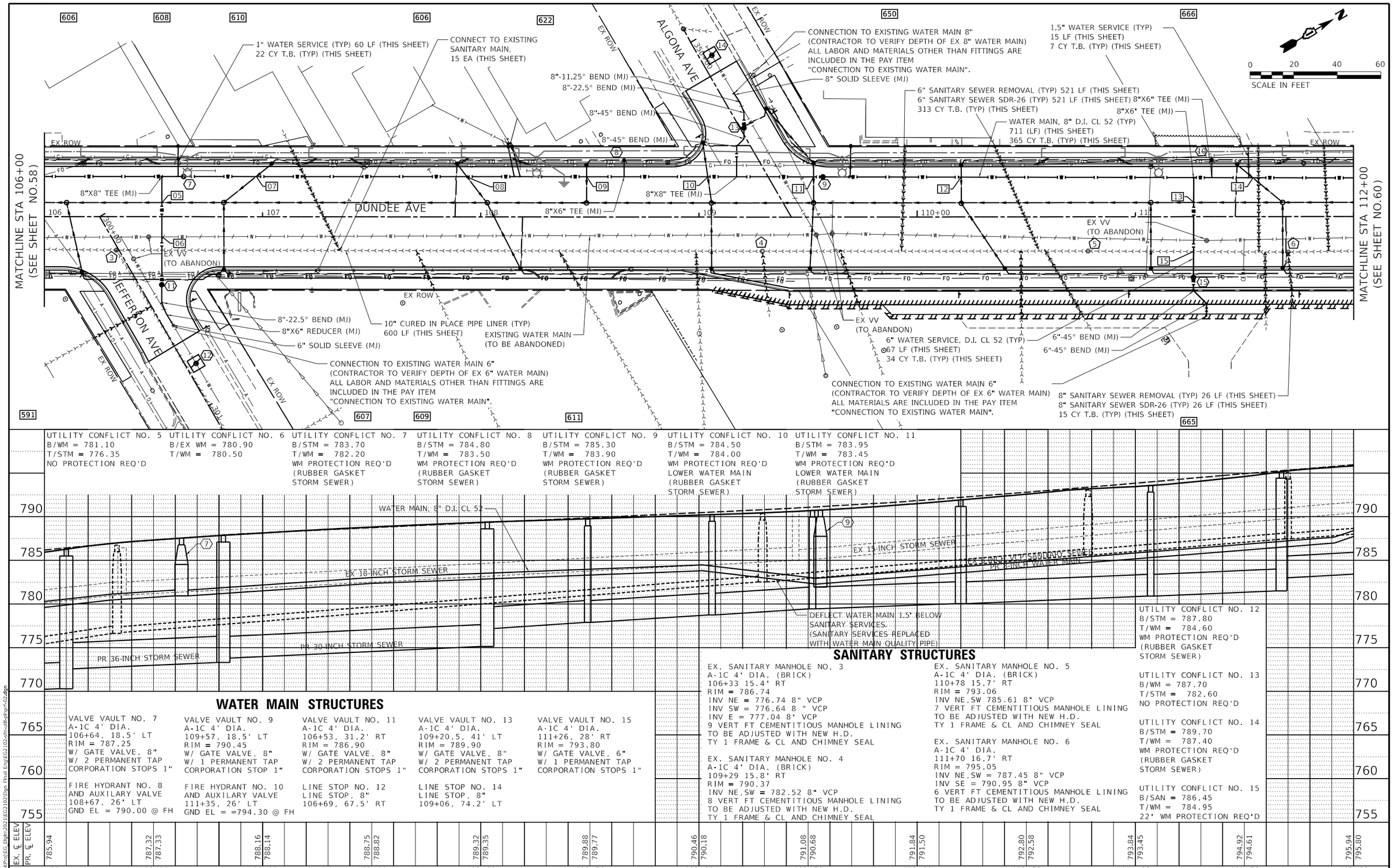
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
PLAN AND PROFILE – WATER MAIN AND SANITARY SEWER

SCALE: 1" = 20' | SHEET 1 OF 6 SHEETS | STA. 103+50 TO STA. 106+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	58
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

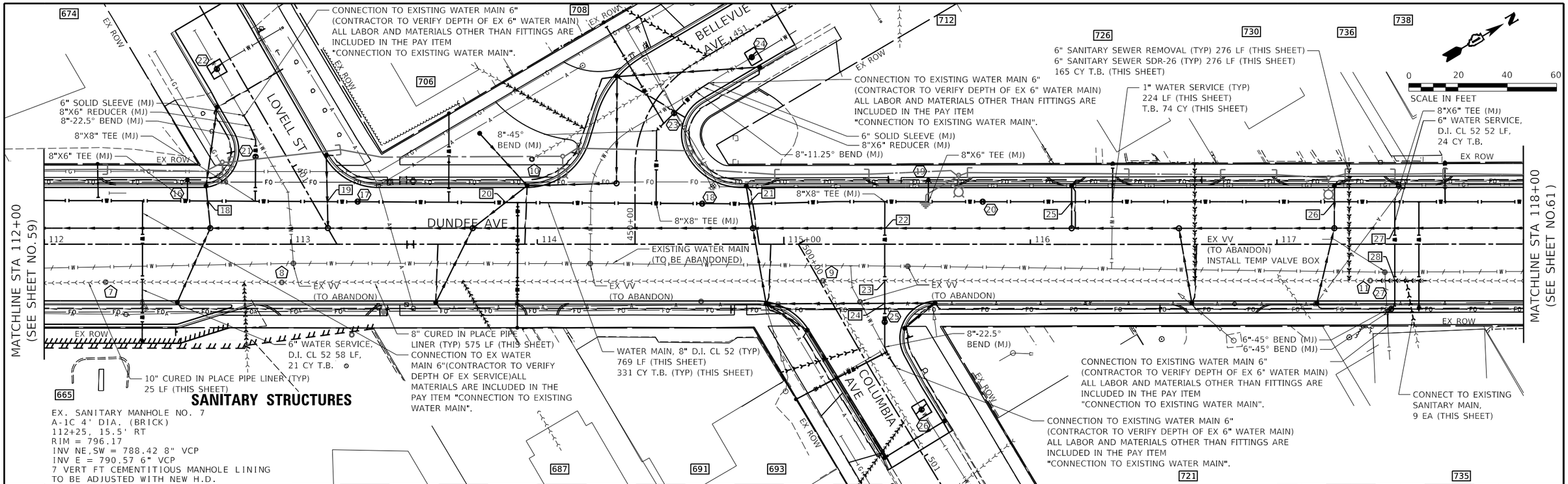
DUNDEE AVENUE
PLAN AND PROFILE – WATER MAIN AND SANITARY SEWER

SCALE: 1" = 20' | SHEET 2 OF 6 SHEETS | STA. 106+00 TO STA. 112+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	59

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



SANITARY STRUCTURES

EX. SANITARY MANHOLE NO. 7
A-1C 4' DIA. (BRICK)
112+25, 15.5' RT
RIM = 796.17
INV NE,SW = 788.42 8" VCP
INV E = 790.57 6" VCP
7 VERT FT CEMENTITIOUS MANHOLE LINING TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

EX. SANITARY MANHOLE NO. 8
A-1C 4' DIA. (BRICK)
112+96, 15.5' RT
RIM = 797.80
INV SE = 792.10 8" VCP
INV NE,SW = 790.00 8" VCP
7 VERT FT CEMENTITIOUS MANHOLE LINING TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

EX. SANITARY MANHOLE NO. 9
A-1C 4' DIA. (BRICK)
115+16, 15' RT
RIM = 802.48
INV E = 795.23 8" VCP
INV NE,SW = 794.38 8" VCP
8 VERT FT CEMENTITIOUS MANHOLE LINING TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

EX. SANITARY MANHOLE NO. 10
A-1C 4' DIA. (BRICK)
113+97.8 34.5' LT
RIM = 799.19
INV N = 790.09 8" VCP
8 VERT FT CEMENTITIOUS MANHOLE LINING TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

EX. SANITARY MANHOLE NO. 11
A-1C 4' DIA. (BRICK)
117+38, 15' RT
RIM = 806.84
INV NE,SW = 799.64 8" VCP
7 VERT FT CEMENTITIOUS MANHOLE LINING TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

WATER MAIN STRUCTURES

FIRE HYDRANT NO. 16 AND AUXILARY VALVE
112+58, 26.0' LT
GND EL = 796.80 @ FH

VALVE VAULT NO. 17
A-1C 4' DIA.
113+27, 17.2' LT
RIM = 798.75
W/ GATE VALVE, 8"

VALVE VAULT NO. 18
A-1C 4' DIA.
114+67, 16.5' LT
RIM = 801.35
W/ GATE VALVE, 8"

FIRE HYDRANT NO. 19 AND AUXILARY VALVE
115+58.6, 26.0' LT
GND EL = 803.20 @ FH

VALVE VAULT NO. 20
A-1C 4' DIA.
115+80.6, 17.2' LT
RIM = 803.25
W/ GATE VALVE, 8"
W/ 1 PERMANENT TAP
CORPORATION STOP 1"

VALVE VAULT NO. 21
A-1C 4' DIA.
112+85.7, 35.5' LT
RIM = 797.25
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

LINE STOP NO. 22
LINE STOP, 8"
112+70, 71' LT

VALVE VAULT NO. 23
A-1C 4' DIA.
114+55.5, 53.2' LT
RIM = 800.20
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

LINE STOP NO. 24
LINE STOP, 8"
114+87, 76' LT

VALVE VAULT NO. 25
A-1C 4' DIA.
115+41, 31.5' RT
RIM = 803.00
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

LINE STOP NO. 26
LINE STOP, 8"
115+40.2, 67' RT

VALVE VAULT NO. 27
A-1C 4' DIA.
117+45.5, 26.0' RT
RIM = 807.00
W/ GATE VALVE, 6"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

UTILITY CONFLICT NO. 16
B/WM = 790.20
T/STM = 786.45
NO PROTECTION REQ'D

UTILITY CONFLICT NO. 17
B/WM = 790.05
T/SAN = 789.50
22' WM PROTECTION REQ'D

UTILITY CONFLICT NO. 18
B/STM = 791.10
T/WM = 789.60
WM PROTECTION REQ'D
LOWER WATER MAIN
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 19
B/STM = 794.45
T/WM = 792.95
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 20
B/WM = 793.60
T/STM = 793.10
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 21
B/STM = 797.65
T/WM = 796.15
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 22
B/WM = 796.45
T/STM = 794.77
NO PROTECTION REQ'D

UTILITY CONFLICT NO. 23
B/WM = 796.30
T/SAN = 795.75
22' WM PROTECTION REQ'D

UTILITY CONFLICT NO. 24
B/STM = 798.00
T/WM = 796.50
WM PROTECTION REQ'D
LOWER WATER MAIN
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 25
B/STM = 800.30
T/WM = 798.80
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 26
B/WM = 799.00
T/STM = 798.65
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 28
B/WM = 801.00
T/SAN = 800.65
22' WM PROTECTION REQ'D
REPLACE SAN MAIN WITH
21 LF OF DUCTILE IRON
WATER MAIN PIPE

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

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD / NOTE BOOK NO. / DATE / BY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

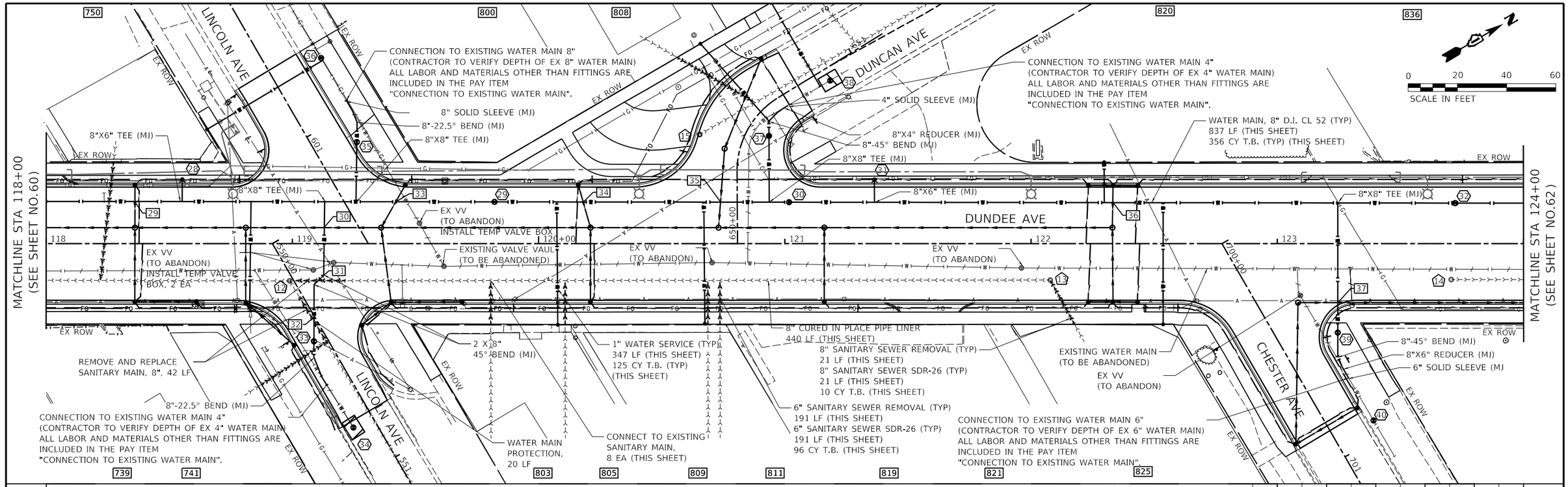
DUNDEE AVENUE
PLAN AND PROFILE – WATER MAIN AND SANITARY SEWER

SCALE: 1" = 20' | SHEET 3 OF 6 SHEETS | STA. 112+00 TO STA. 118+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	60

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



SANITARY STRUCTURES

EX. SANITARY MANHOLE NO. 12
A-1C 4' DIA. (BRICK)
118+99, 15.1' RT
RIM = 808.60
INV E = 801.20 8" VCP
INV NE,SW = 801.10 8" VCP
7 VERT FT CEMENTITIOUS MANHOLE LINING
TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

EX. SANITARY MANHOLE NO. 13
A-1C 4' DIA. (BRICK)
122+08, 14.8' RT
RIM = 810.24
INV E = 804.04 8" VCP
INV SW = 803.54 8" VCP
6 VERT FT CEMENTITIOUS MANHOLE LINING
TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

EX. SANITARY MANHOLE NO. 14
A-1C 4' DIA. (BRICK)
123+71, 14.5' RT
RIM = 809.84
INV NE = 802.24 8" VCP
FULL OF DEBRIS
7 VERT FT CEMENTITIOUS MANHOLE LINING
TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

EX. SANITARY MANHOLE NO. 15
A-1C 4' DIA. (BRICK)
12, ' RT
RIM = 809.24
INV N = 802.24 8" VCP
6 VERT FT CEMENTITIOUS MANHOLE LINING
TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

WATER MAIN STRUCTURES

FIRE HYDRANT NO. 28
AND AUXILARY VALVE
118+55, 26' LT
GND EL = 808.30 @ FH

VALVE VAULT NO. 29
A-1C 4' DIA.
119+82, 17' LT
RIM = 808.65
W/ GATE VALVE, 8"

VALVE VAULT NO. 30
A-1C 4' DIA.
121+02, 16.8' LT
RIM = 809.90
W/ GATE VALVE, 8"

FIRE HYDRANT NO. 31
AND AUXILARY VALVE
121+36, 26' LT
GND EL = 810.20 @ FH

VALVE VAULT NO. 32
A-1C 4' DIA.
123+72, 16.5' LT
RIM = 809.45
W/ GATE VALVE, 8"
W/ 1 PERMANENT TAP
CORPORATION STOP 1"

VALVE VAULT NO. 33
A-1C 4' DIA.
119+09, 40' RT
RIM = 808.20
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

LINE STOP NO. 34
LINE STOP, 8"
119+25, 75' RT

VALVE VAULT NO. 35
A-1C 4' DIA.
119+26, 41.3' LT
RIM = 807.65
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

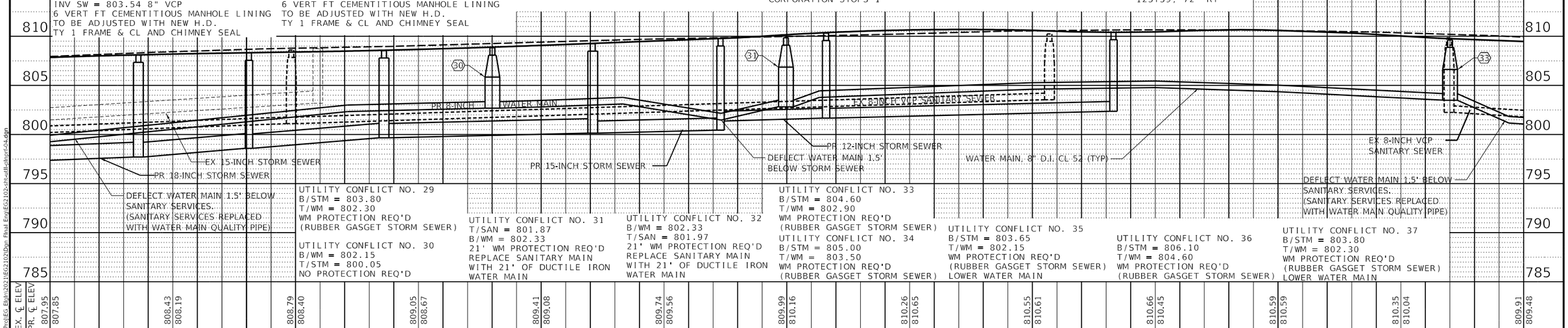
LINE STOP NO. 36
LINE STOP, 8"
119+11, 75' LT

VALVE VAULT NO. 37
A-1C 4' DIA.
120+93.6, 43.7' LT
RIM = 809.30
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

LINE STOP NO. 38
LINE STOP, 8"
121+18, 66' LT

VALVE VAULT NO. 39
A-1C 4' DIA.
123+24.5, 36' RT
RIM = 810.15
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

LINE STOP NO. 40
LINE STOP, 8"
123+39, 72' RT



EX. ℄ ELEV	807.95	807.85				808.43	808.19				808.79	808.40				809.05	808.67				809.41	809.08				809.74	809.56		
PR. ℄ ELEV																													
118+00		118+50						119+00						119+50						120+00						120+50			

EX. ℄ ELEV	809.99	810.16				810.26	810.65				810.55	810.61				810.66	810.45				810.59	810.59				810.35	810.04		
PR. ℄ ELEV																													
121+00					121+50					122+00					122+50					123+00					123+50				

124+00					809.91 809.48

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PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHKD / NOTE BOOK / NO. / BY / DATE

50 YEARS
Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

DESIGNED -		REVISED -	
DRAWN -		REVISED -	
CHECKED -		REVISED -	
DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

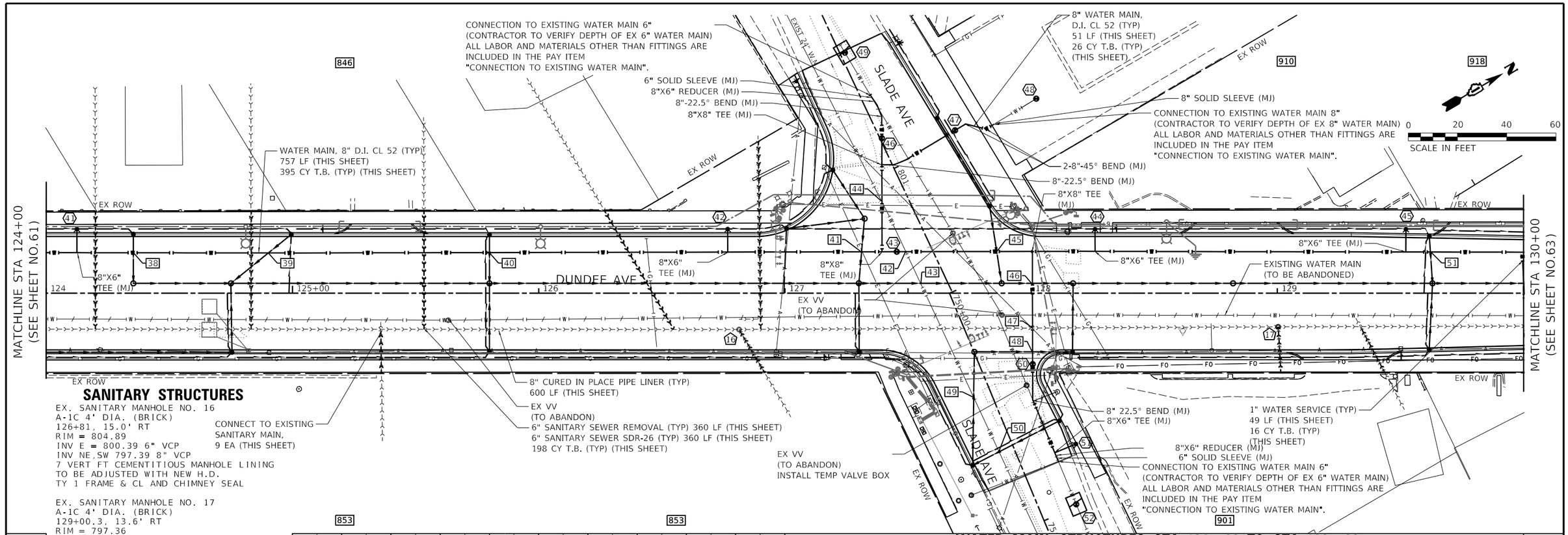
DUNDEE AVENUE
PLAN AND PROFILE – WATER MAIN AND SANITARY SEWER

SCALE: 1" = 20' | SHEET 4 OF 6 SHEETS | STA. 118+00 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	61

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT



SANITARY STRUCTURES

EX. SANITARY MANHOLE NO. 16
A-1C 4' DIA. (BRICK)
126+81, 15.0' RT
RIM = 804.89
INV E = 800.39 6" VCP
INV NE,SW 797.39 8" VCP
7 VERT FT CEMENTITIOUS MANHOLE LINING
TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

EX. SANITARY MANHOLE NO. 17
A-1C 4' DIA. (BRICK)
129+00.3, 13.6' RT
RIM = 797.36
INV SE = 791.36 6" VCP
INV NE,SW = 788.81 8" VCP
8 VERT FT CEMENTITIOUS MANHOLE LINING
TO BE ADJUSTED WITH NEW H.D.
TY 1 FRAME & CL AND CHIMNEY SEAL

WATER MAIN STRUCTURES STA. 124+00 TO STA. 130+00

FIRE HYDRANT NO. 41
AND AUXILARY VALVE
124+12.5, 26' LT
GND EL = 809.50 @ FH

FIRE HYDRANT NO. 42
AND AUXILARY VALVE
126+76.5, 26' LT
GND EL = 805.10 @ FH

VALVE VAULT NO. 43
A-1C 4' DIA.
127+45.5, 16.9' LT
RIM = 802.80
W/ GATE VALVE, 8"

FIRE HYDRANT NO. 44
AND AUXILARY VALVE
128+26.0, 26' LT
GND EL = 800.50 @ FH

FIRE HYDRANT NO. 45
AND AUXILARY VALVE
129+52.2, 26' LT
GND EL = 795.30 @ FH

VALVE VAULT NO. 46
A-1C 4' DIA.
127+39.4, 62.9' LT
RIM = 803.20
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

VALVE VAULT NO. 47
A-1C 4' DIA.
127+69.1, 66' LT
RIM = 802.60
W/ GATE VALVE, 8"

LINE STOP NO. 48
LINE STOP, 8"
128+02, 79' LT

LINE STOP NO. 49
LINE STOP, 8"
127+24, 98' LT

VALVE VAULT NO. 50
A-1C 4' DIA.
128+00.6, 29.5' RT
RIM = 800.75
W/ GATE VALVE, "
W/ 2 PERMANENT TAPS
CORPORATION STOPS 1"

FIRE HYDRANT NO. 51
AND AUXILARY VALVE
128+12.0, 41.8' RT
GND EL = 801.00 @ FH

LINE STOP NO. 52
LINE STOP, 6"
128+18, 86' RT

UTILITY CONFLICT NO. 38
B/STM = 804.70
T/WM = 800.85
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 39
B/WM = 804.00
T/WM = 800.20
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 40
B/STM = 802.40
T/WM = 799.00
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 42
B/EX 24" WM = 795.2+/-
T/WM = 794.80
LOWER WATER MAIN

UTILITY CONFLICT NO. 44
B/EX 24" WM = 795.70+/-
T/WM = 795.30
LOWER WATER MAIN

UTILITY CONFLICT NO. 45
B/STM = 797.99
T/WM = 796.30
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 43
B/STM = 798.50
T/WM = 797.50
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 46
B/STM = 796.27
T/WM = 794.77
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)
LOWER WATER MAIN

UTILITY CONFLICT NO. 47
B/WM = 794.15
T/SAN = 792.65
NO WM PROTECTION REQ'D

UTILITY CONFLICT NO. 48
B/STM = 796.90
T/WM = 795.23
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 49
B/STM = 797.90
T/WM = 796.40
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 50
B/STM = 797.05
T/WM = 795.55
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

UTILITY CONFLICT NO. 51
B/STM = 790.95
T/WM = 789.00
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)

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

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

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Engineering Enterprises, Inc.
CONSULTING ENGINEERS
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Sugar Grove, Illinois 60554
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CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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DRAWN -		REVISED -	
CHECKED -		REVISED -	
DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

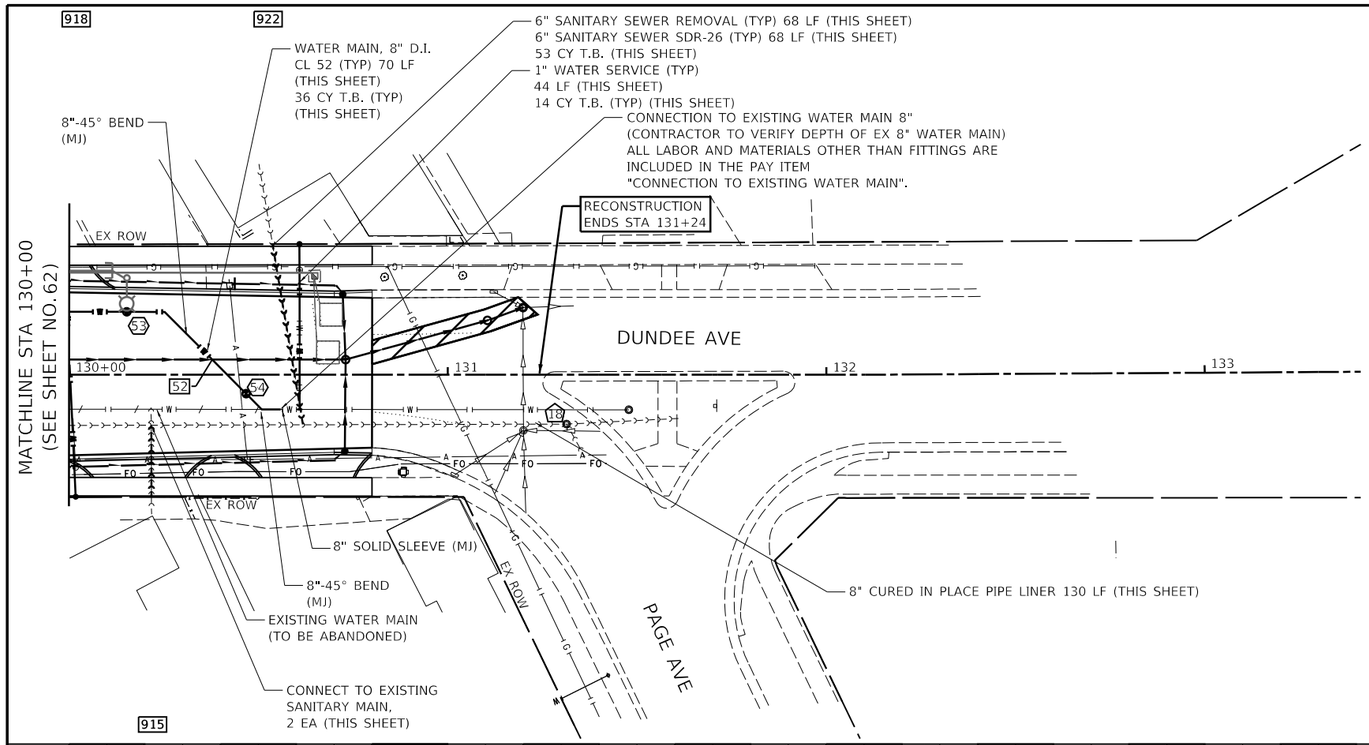
DUNDEE AVENUE
PLAN AND PROFILE – WATER MAIN AND SANITARY SEWER

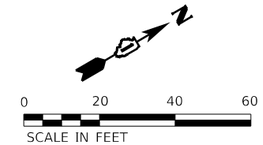
SCALE: 1" = 20' | SHEET 5 OF 6 SHEETS | STA. 124+00 TO STA. 130+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	62

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT





WATER MAIN STRUCTURES

VALVE VAULT NO. 54
A-1C 4' DIA.
130+46.8, 16.7' LT
RIM = 792.65
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

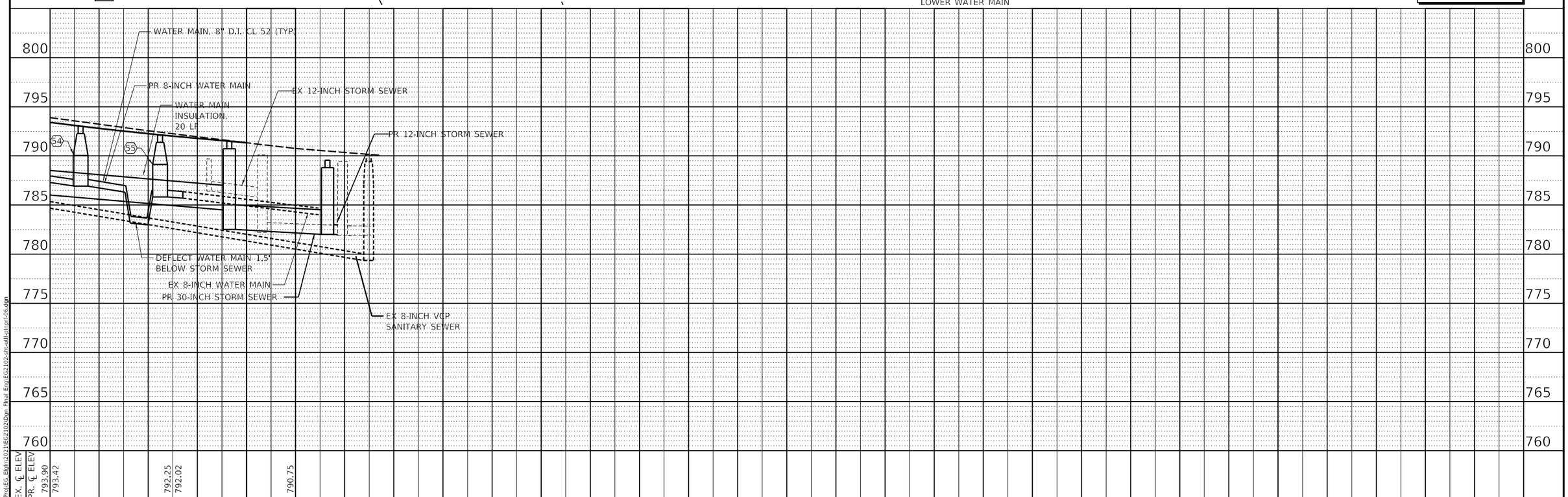
VALVE VAULT NO. 55
A-1C 4' DIA.
127+45.5, 5' rT
RIM = 792.00
W/ GATE VALVE, 8"
W/ 2 PERMANENT TAP
CORPORATION STOPS 1"

UTILITY CONFLICT NO. 52
FIN GRADE = 792.25
B/STM = 784.95
T/WM = 783.45
WM PROTECTION REQ'D
(RUBBER GASKET STORM SEWER)
LOWER WATER MAIN

SANITARY STRUCTURES

EX. SANITARY MANHOLE NO. 18
A-1C 4' DIA. (BRICK)
131+31, 13.0' RT
RIM = 790.15
INV NE = 778.95 8" VCP
INV E,SW 779.35 8" VCP
11 VERT FT CEMENTITIOUS MANHOLE LINING

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'



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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 CHKD
BY
DATE

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Engineering Enterprises, Inc.
CONSULTING ENGINEERS
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Sugar Grove, Illinois 60554
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CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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DRAWN -	REVISED -
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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
PLAN AND PROFILE – WATER MAIN AND SANITARY SEWER

SCALE: 1" = 20' | SHEET 6 OF 6 SHEETS | STA. 130+00 TO STA. 131+24

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	63

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT

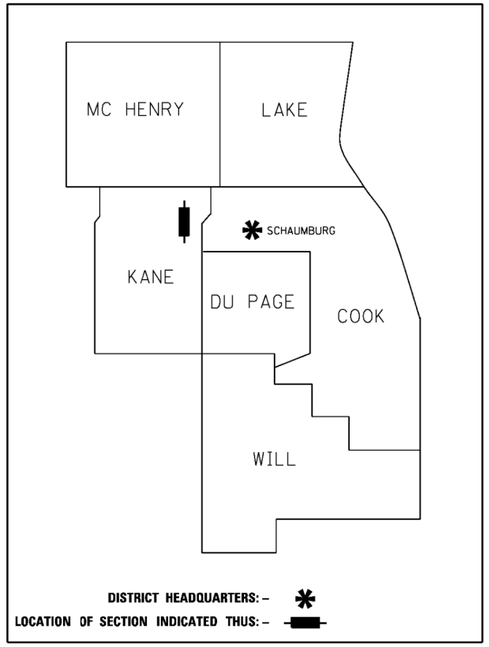
PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001PE 0001TE	THE BOARD OF EDUCATION OF SCHOOL DISTRICT 46 OF KANE, COOK AND DUPAGE COUNTIES	2	

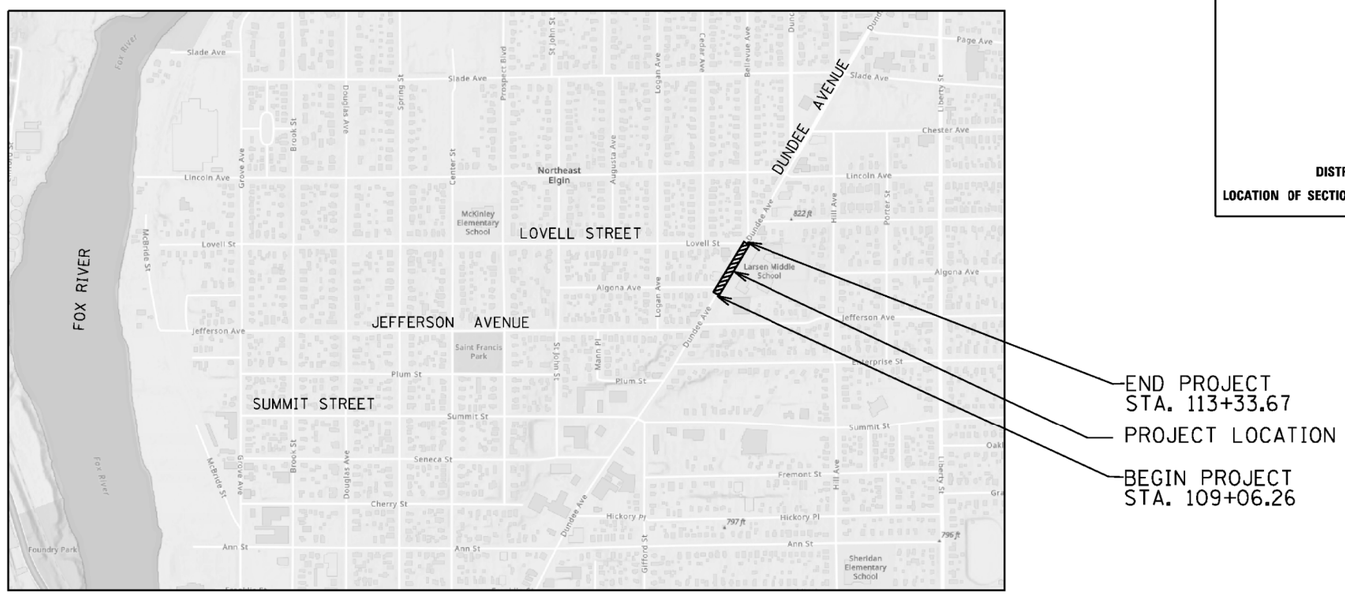
STATE OF ILLINOIS

CITY OF ELGIN

PLAT OF HIGHWAYS

ROUTE: DUNDEE AVENUE
SECTION: 20–00189–00–PV
COUNTY: KANE
LIMITS: AT LOVELL STREET
JOB NO.: R–55–001–97





LOCATION MAP

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

EEI PROJECT EG2102

IDOT USE ONLY

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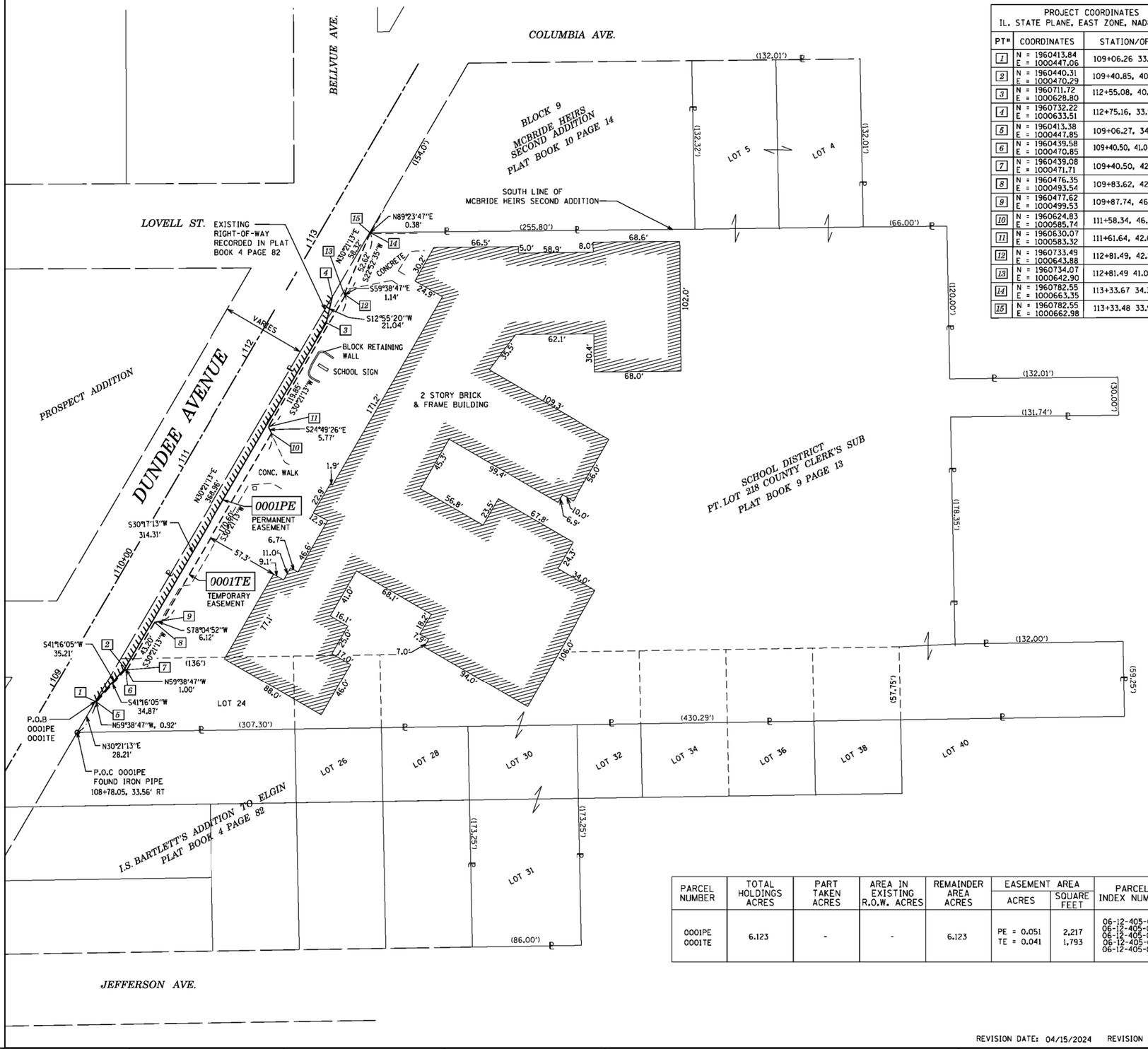
Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	CITY OF ELGIN 150 DEXTER COURT ELGIN, IL. 60120	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DUNDEE AVENUE PLAT OF HIGHWAYS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			2525	20-00189-00-PV	KANE	184	64
		CHECKED -	REVISED -					CONTRACT NO. 61K68		
		DATE -	REVISED -		SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

PART OF SECTION 12, TWP. 41 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



PROJECT COORDINATES IL. STATE PLANE, EAST ZONE, NAD83 (2011)		
PT#	COORDINATES	STATION/OFFSET
1	N = 1960413.84 E = 1000447.06	109+06.26 33.54' RT
2	N = 1960440.31 E = 1000470.29	109+40.85, 40.19' RT
3	N = 1960711.72 E = 1000628.80	112+55.08, 40.18' RT
4	N = 1960732.22 E = 1000633.51	112+75.16, 33.90' RT
5	N = 1960413.38 E = 1000447.85	109+06.27, 34.46' RT
6	N = 1960439.58 E = 1000470.85	109+40.50, 41.04' RT
7	N = 1960439.08 E = 1000471.71	109+40.50, 42.04' RT
8	N = 1960476.35 E = 1000493.54	109+83.62, 42.08' RT
9	N = 1960477.62 E = 1000499.53	109+87.74, 46.62' RT
10	N = 1960624.83 E = 1000585.74	111+58.34, 46.82' RT
11	N = 1960630.07 E = 1000583.32	111+61.64, 42.08' RT
12	N = 1960733.49 E = 1000643.88	112+81.49, 42.22' RT
13	N = 1960734.07 E = 1000642.90	112+81.49 41.08' RT
14	N = 1960782.55 E = 1000663.35	113+33.67 34.30' RT
15	N = 1960782.55 E = 1000662.98	113+33.48 33.97' RT

LEGEND

SECTION CORNER (9 10 16 15)

16 15 QUARTER SECTION CORNER

GRAPHIC SCALE FEET 0 40'
SCALE: 1"= 40'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED PERMANENT EASEMENT
- PROPOSED TEMPORARY EASEMENT

129.32' MEASURED DIMENSION
129.32' (COMP) COMPUTED DIMENSION
(129.32') RECORDED DIMENSION
EXISTING BUILDING

- o IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- ● 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT"GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994192.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. BUILDING DIMENSIONS ARE APPROXIMATE AND INTENDED TO BE A GENERAL REFERENCE.

STATE OF ILLINOIS)
)SS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT WE, ENGINEERING ENTERPRISES INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002003, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 12, TOWNSHIP 41 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SUGAR GROVE, ILLINOIS THIS 29TH DAY OF FEBRURARY, 2024.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3678
LICENSE EXPIRATION DATE: 11/30/24

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CHRIS E. PETERSON 035-003678 PROFESSIONAL LAND SURVEYOR SUGAR GROVE STATE OF ILLINOIS

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com
EEI PROJ. EG2102

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
0001PE 0001TE	6.123	-	-	6.123	PE = 0.051 TE = 0.041	2,217 1,793	06-12-405-010 06-12-405-004 06-12-405-005 06-12-405-019 06-12-405-036

PLAT OF HIGHWAYS

STATE OF ILLINOIS
CITY OF ELGIN
ROUTE: Dundee Avenue

LIMITS: AT LOVELL ST
COUNTY: KANE
SECTION: 20-00189-00-PV
JOB NO.: R-55-001-97
STA. 109+00.02 TO STA. 112+99.96
SCALE: 1" = 40'
SHEET 2 OF 2 SHEETS

IDOT USE ONLY

CITY OF ELGIN
150 DEXTER COURT
ELGIN, ILLINOIS 60120

REVISION DATE: 04/15/2024 REVISION MADE BY: CEP

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50 YEARS

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
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CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

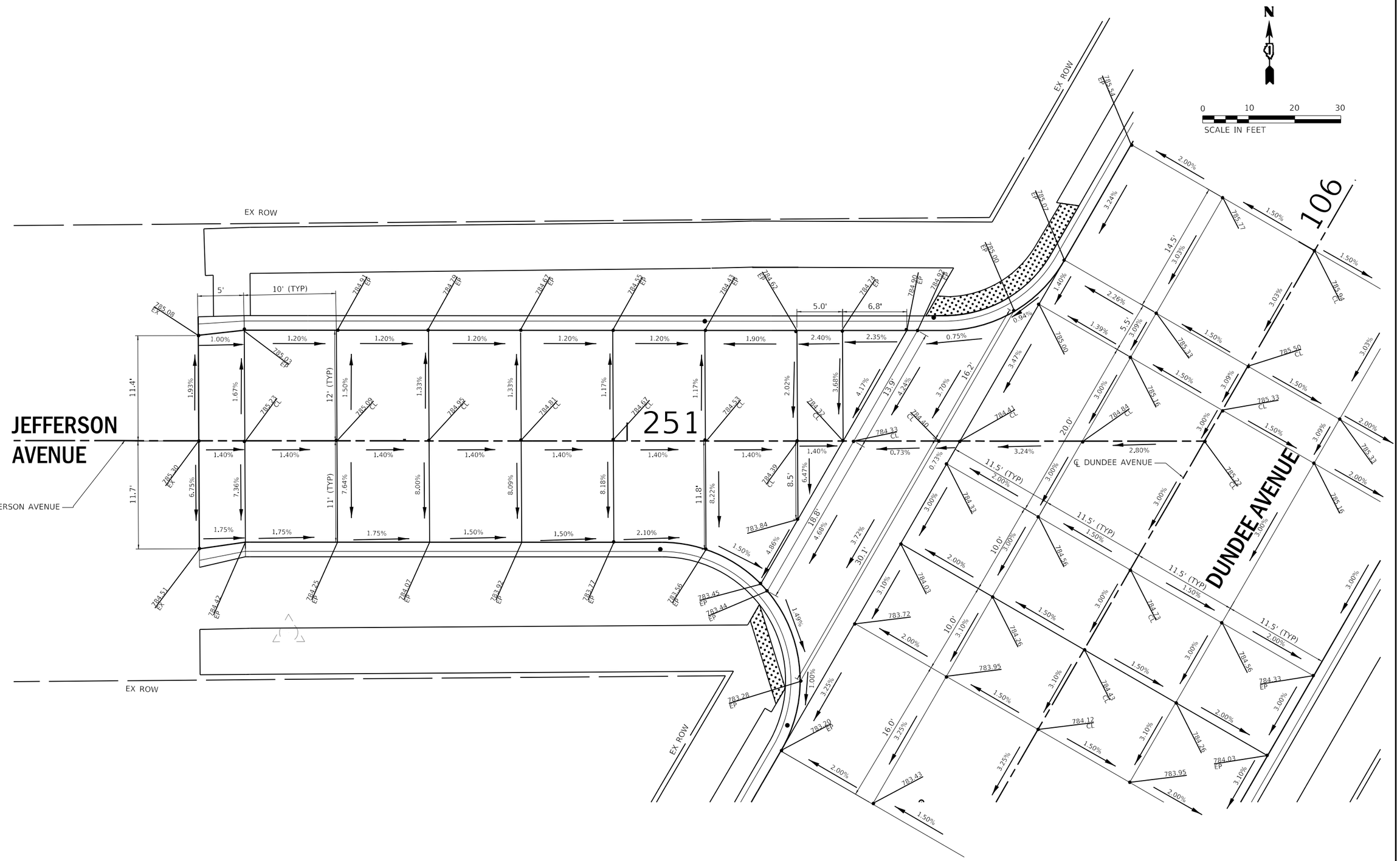
DUNDEE AVENUE
PLAT OF HIGHWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	65

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT



Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	CITY OF ELGIN 150 DEXTER COURT ELGIN, IL. 60120	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DUNDEE AVENUE INTERSECTION PAVING PLANS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			2525	20-00189-00-PV	KANE	184 / 66
		CHECKED -	REVISED -					CONTRACT NO. 61K68	
		DATE -	REVISED -		SCALE: 1" = 10' SHEET 1 OF 12 SHEETS STA. 105+24 TO STA. 106+00			ILLINOIS FED. AID PROJECT	

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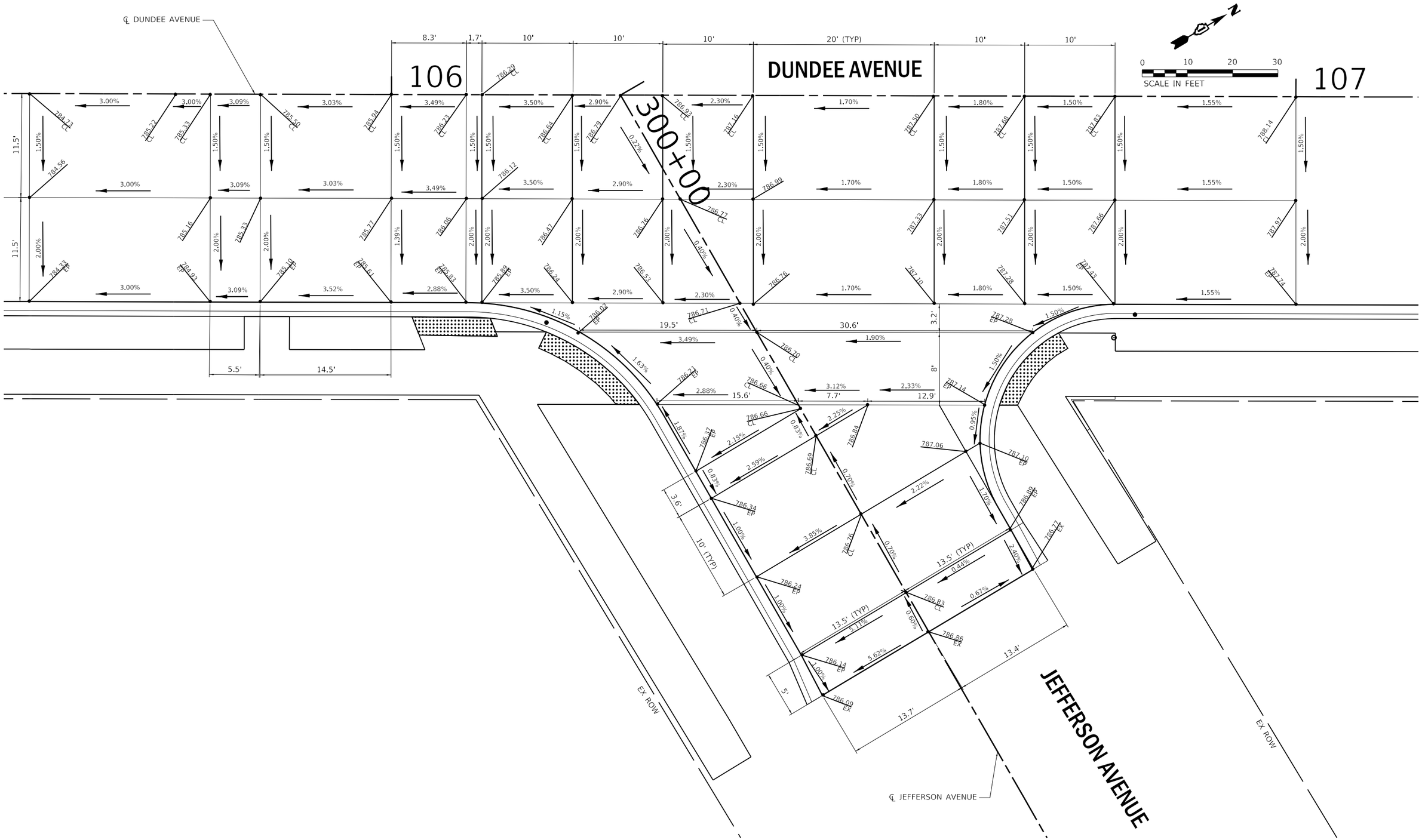

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ELGIN, IL. 60120

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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

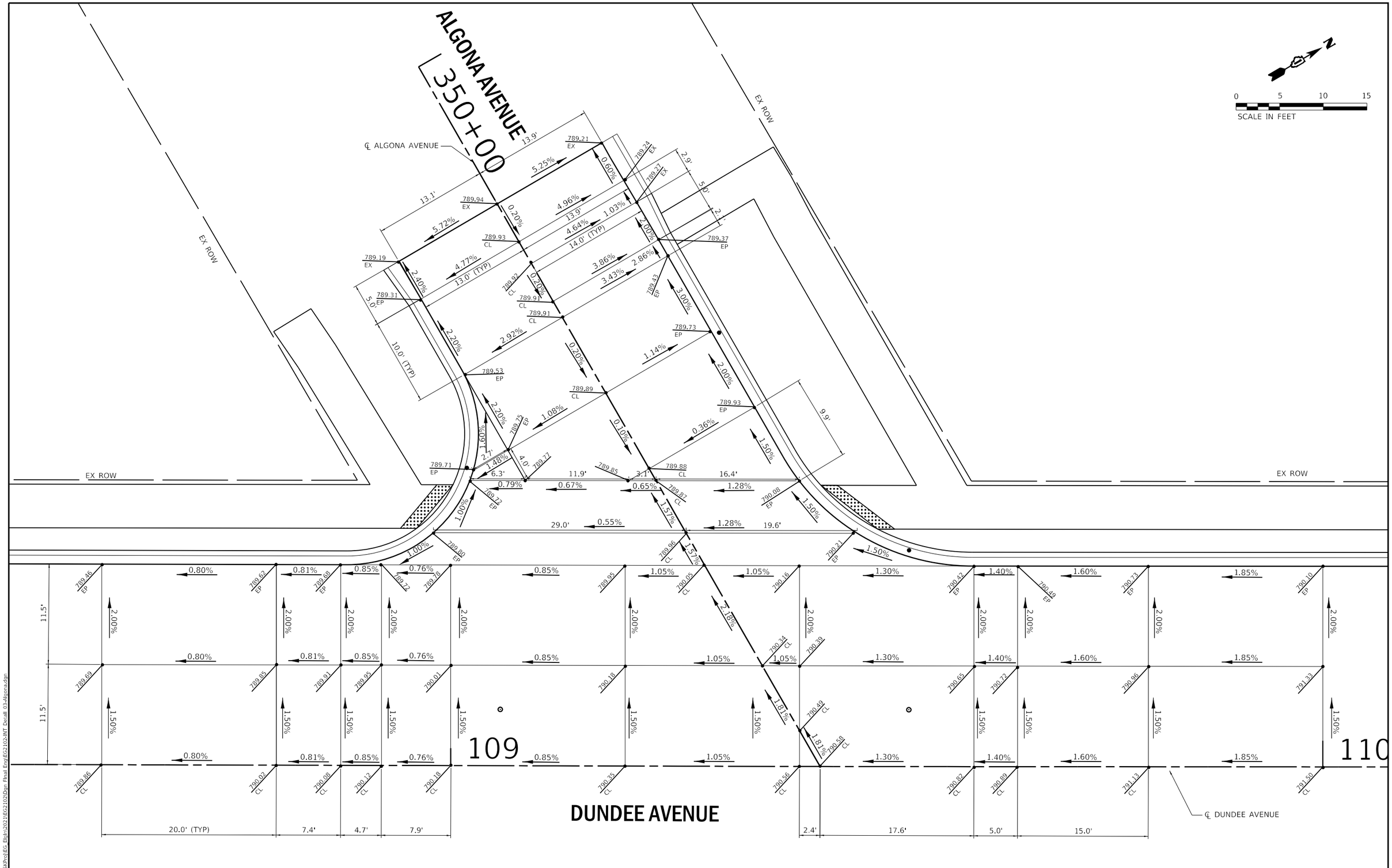
DUNDEE AVENUE
INTERSECTION PAVING PLANS

SCALE: 1" = 10' | SHEET 2 OF 12 SHEETS | STA. 105+80 TO STA. 107+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	67

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



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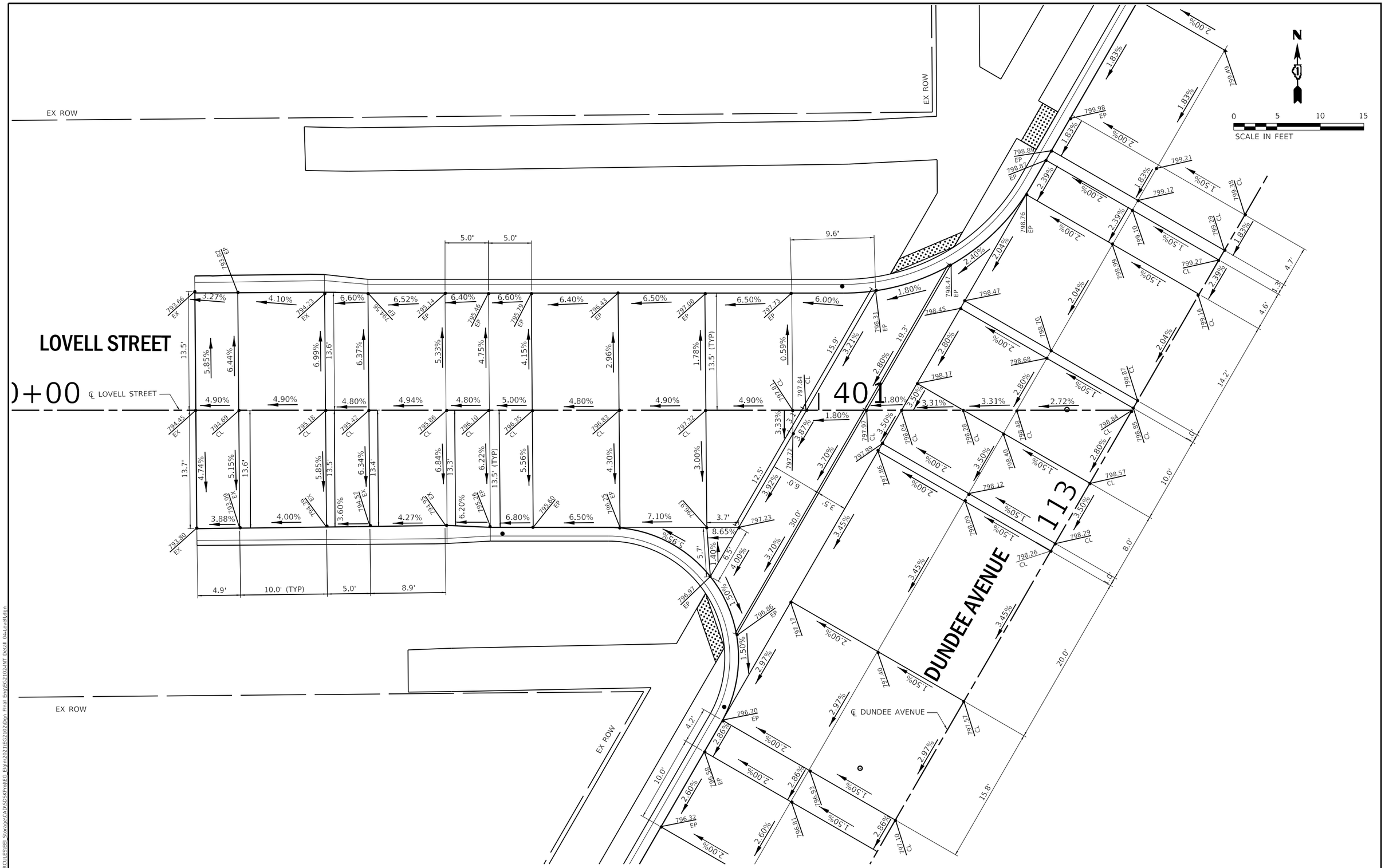
		DRAWN -	REVISED -			2525	20-00189-00-PV	KANE	184 / 68
		CHECKED -	REVISED -					CONTRACT NO. 61K68	
		DATE -	REVISED -		SCALE: 1" = 10' SHEET 3 OF 12 SHEETS STA. 108+60 TO STA. 110+00			ILLINOIS FED. AID PROJECT	



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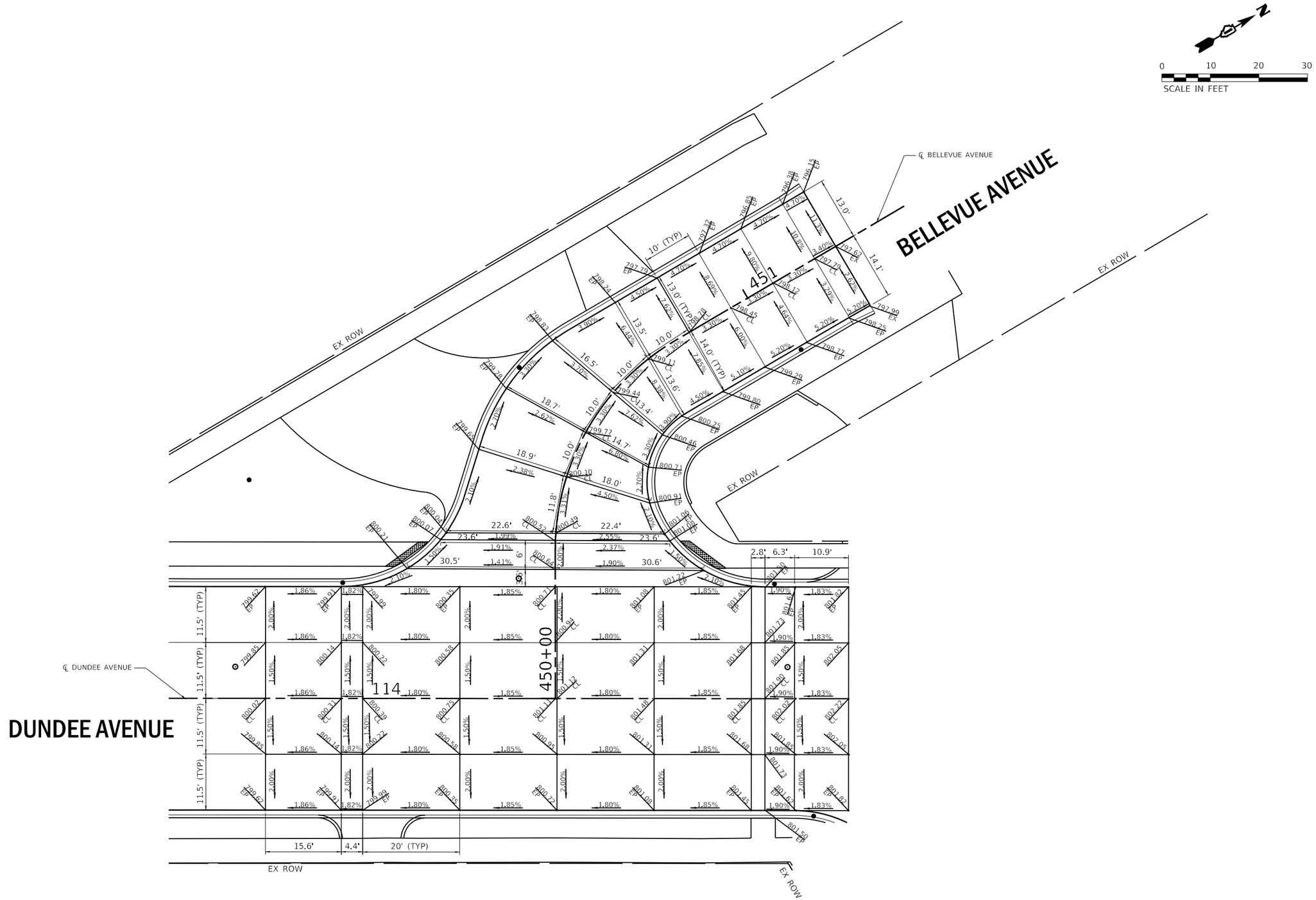
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
INTERSECTION PAVING PLANS

SCALE: 1" = 10' | SHEET 4 OF 12 SHEETS | STA. 112+50 TO STA. 113+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	69
		CONTRACT NO. 61K68		
		ILLINOIS FED. AID PROJECT		



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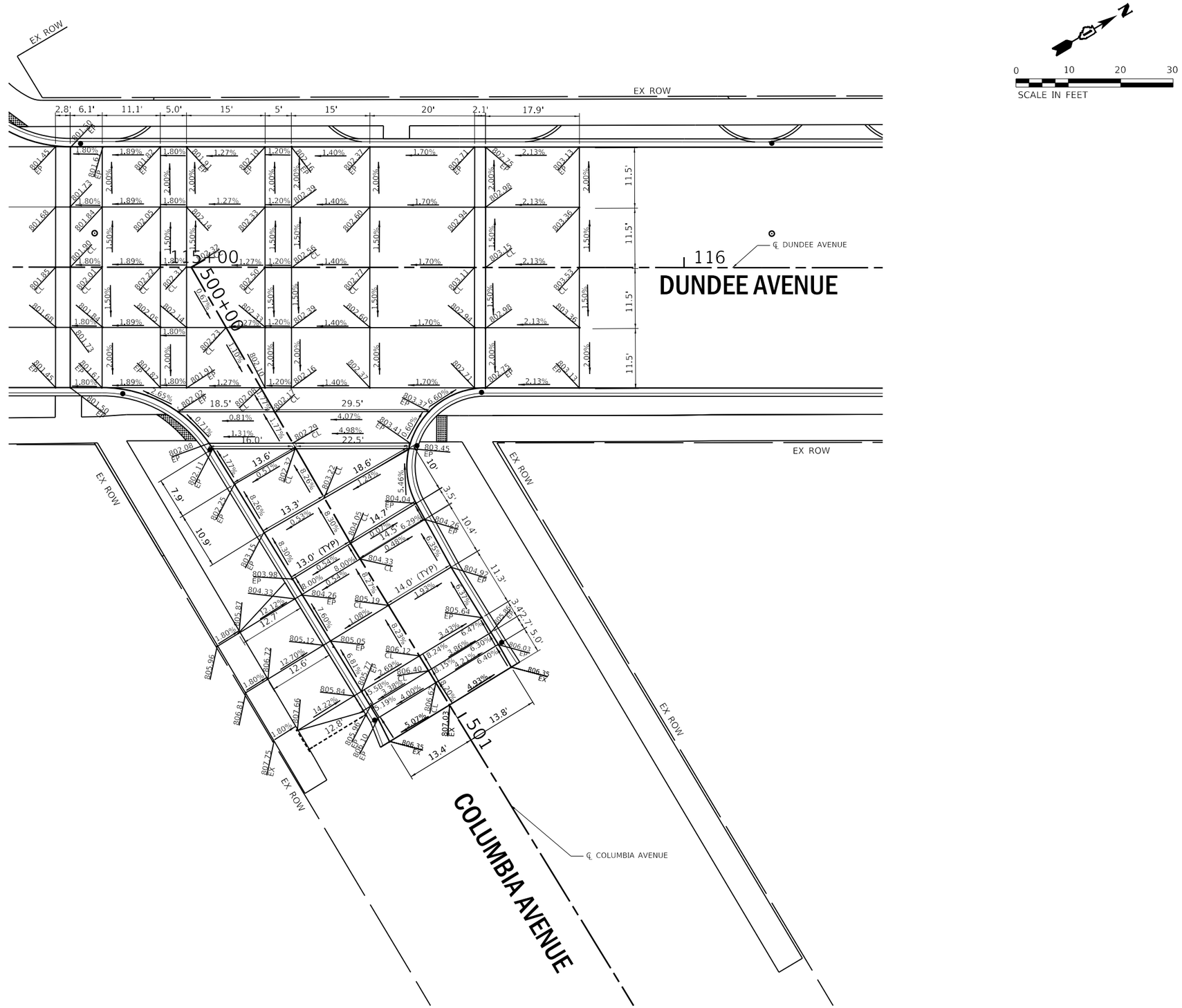
		DRAWN -	REVISED -			2525	20-00189-00-PV	KANE	184	70
		CHECKED -	REVISED -					CONTRACT NO. 61K68		
		DATE -	REVISED -		SCALE: 1" = 10' SHEET 5 OF 12 SHEETS STA. 113+80 TO STA. 115+00			ILLINOIS FED. AID PROJECT		



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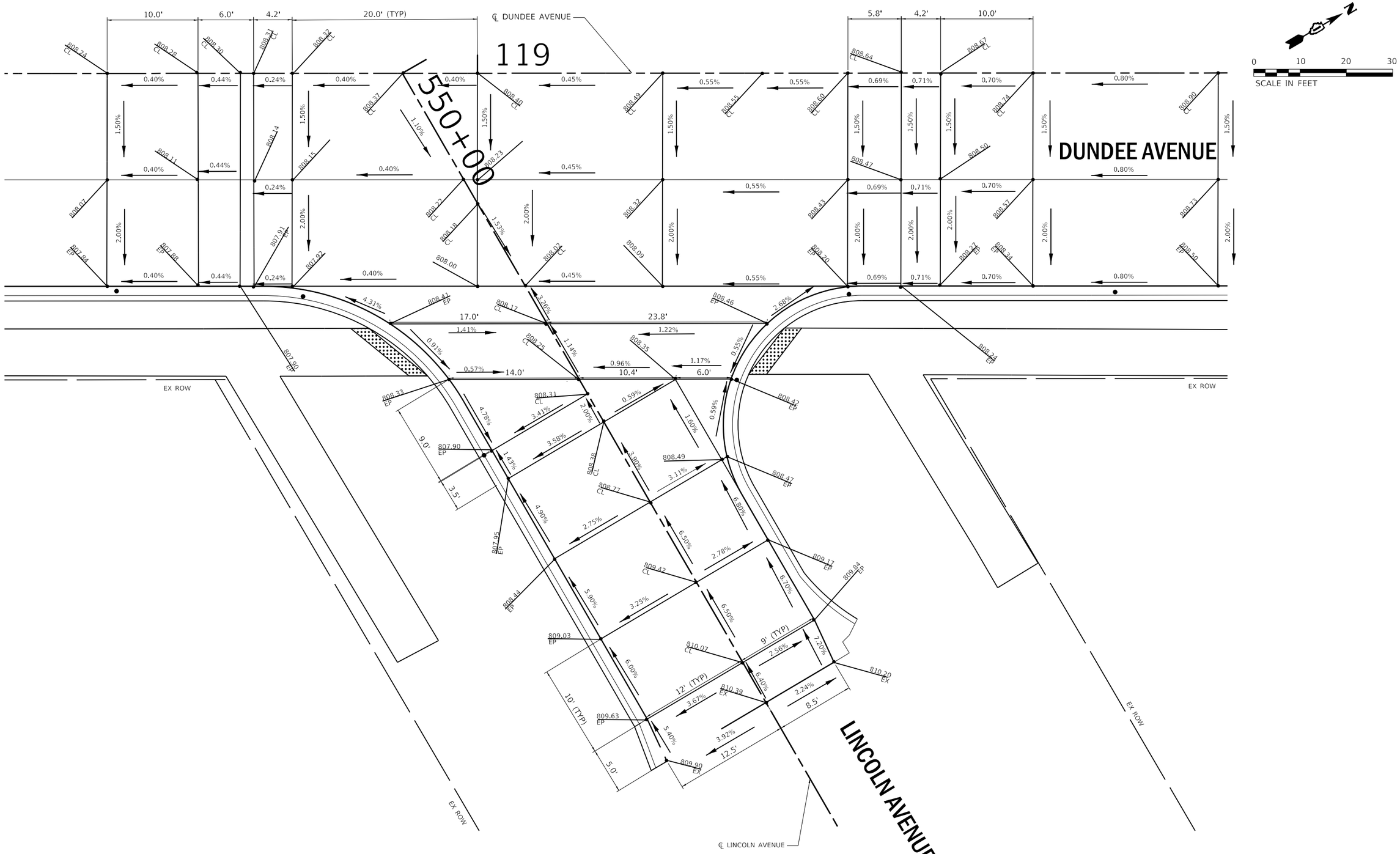
		DRAWN -	REVISED -			2525	20-00189-00-PV	KANE	184	71
		CHECKED -	REVISED -					CONTRACT NO. 61K68		
		DATE -	REVISED -		SCALE: 1" = 10' SHEET 6 OF 12 SHEETS STA. 114+60 TO STA. 116+00			ILLINOIS FED. AID PROJECT		



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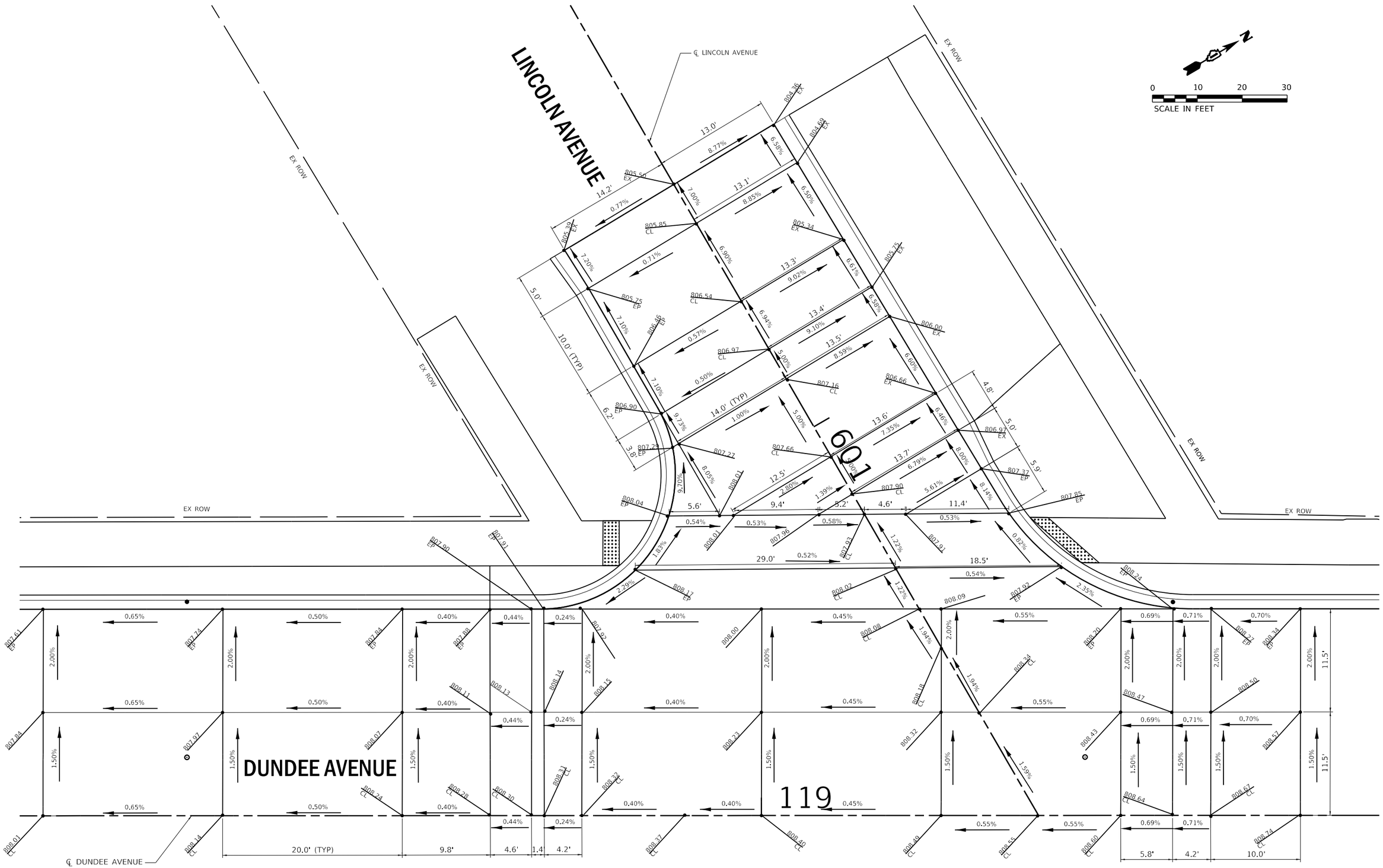
		DRAWN -	REVISED -			2525	20-00189-00-PV	KANE	184 / 72
		CHECKED -	REVISED -					CONTRACT NO. 61K68	
		DATE -	REVISED -		SCALE: 1" = 10' SHEET 7 OF 12 SHEETS STA. 118+60 TO STA. 119+80			ILLINOIS FED. AID PROJECT	



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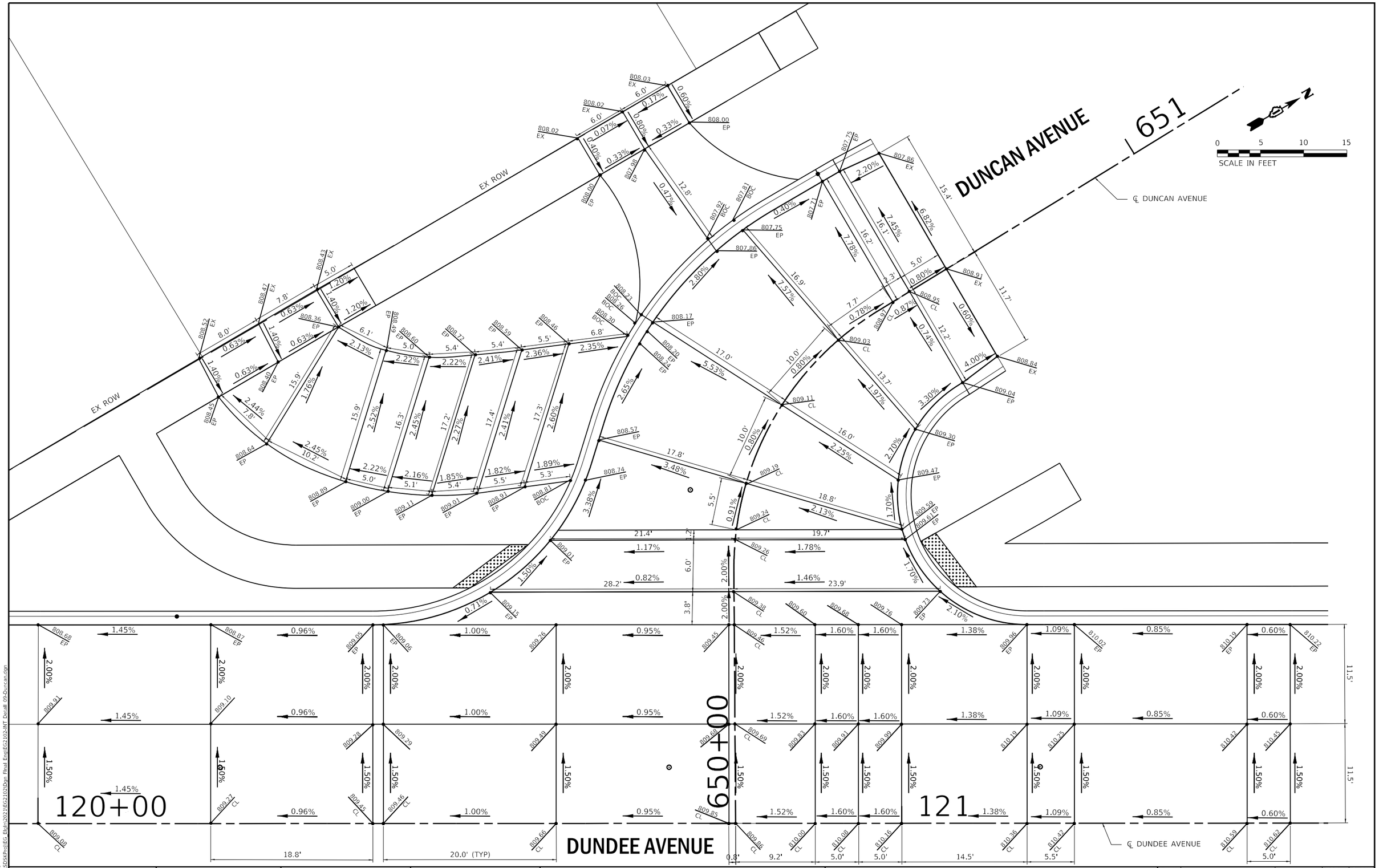
		DRAWN -	REVISED -			2525	20-00189-00-PV	KANE	184 / 73
		CHECKED -	REVISED -					CONTRACT NO. 61K68	
		DATE -	REVISED -		SCALE: 1" = 10' / SHEET 8 OF 12 SHEETS / STA. 118+20 TO STA. 119+60			ILLINOIS / FED. AID PROJECT	



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DRAWN -	REVISED -		
CHECKED -	REVISED -		
DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

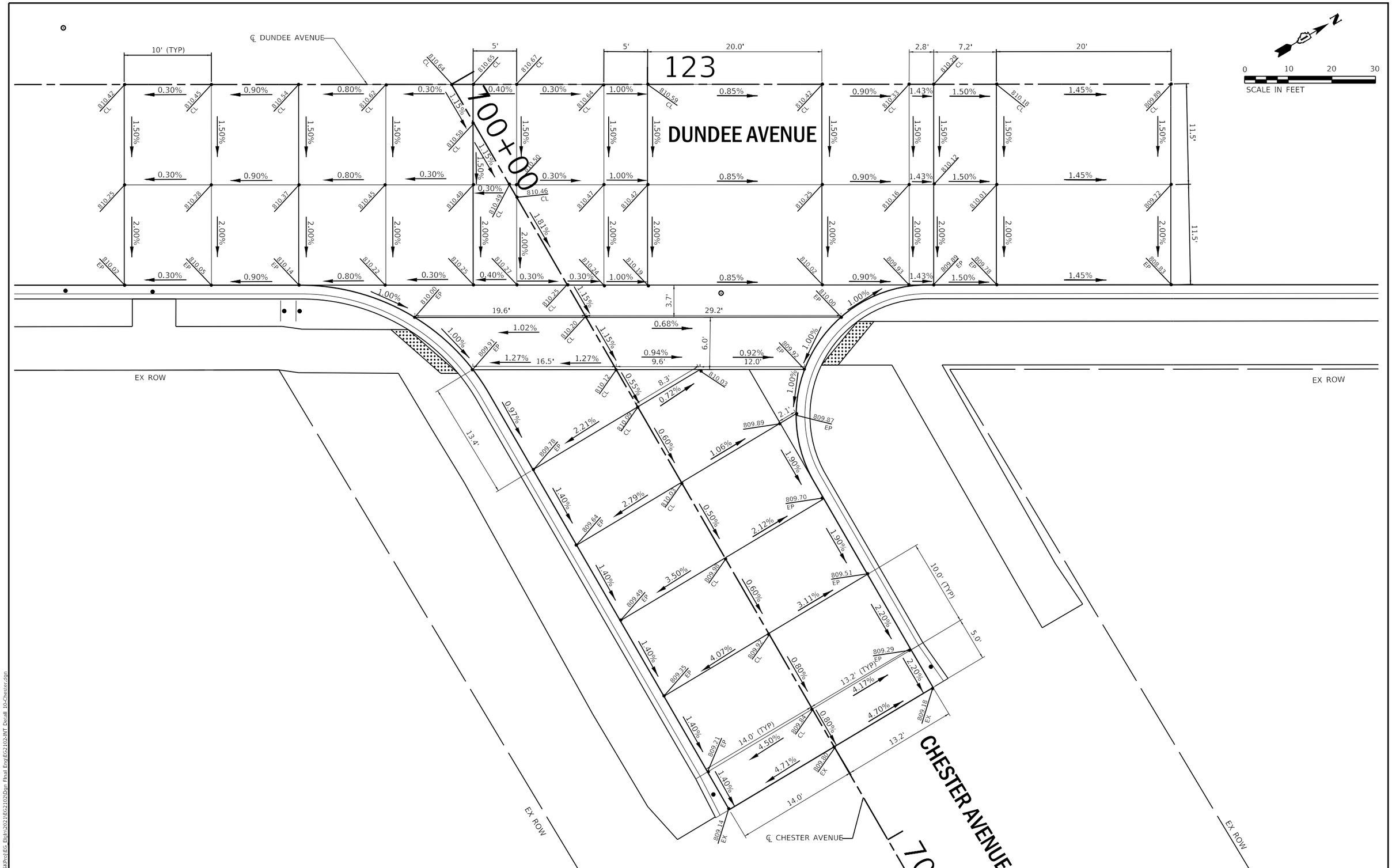
DUNDEE AVENUE
INTERSECTION PAVING PLANS

SCALE: 1" = 10' | SHEET 9 OF 12 SHEETS | STA. 120+00 TO STA. 121+45

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	74

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

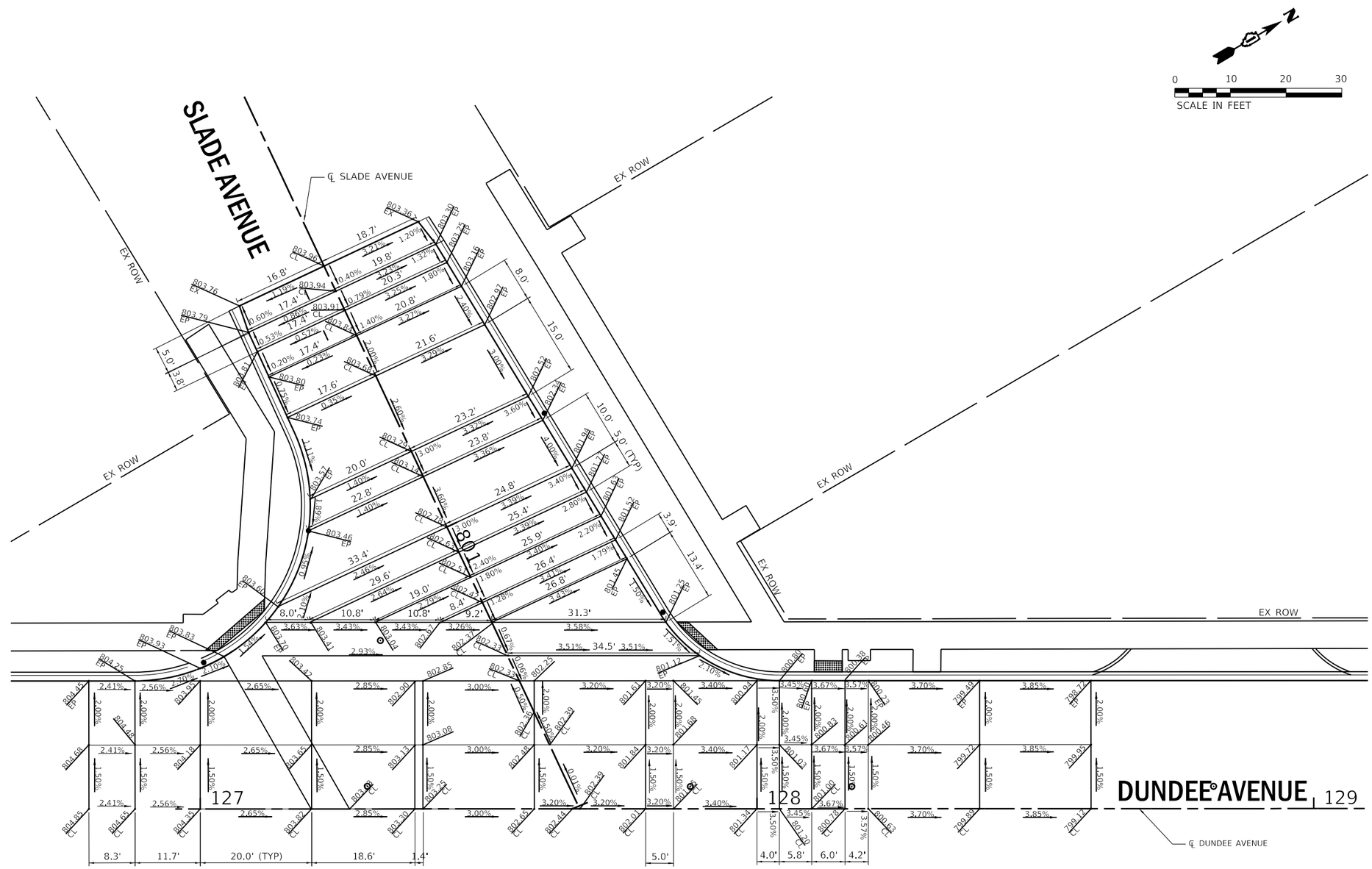
DUNDEE AVENUE
INTERSECTION PAVING PLANS

SCALE: 1" = 10' | SHEET 10 OF 12 SHEETS | STA. 122+40 TO STA. 123+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	75

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



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ELGIN, IL. 60120

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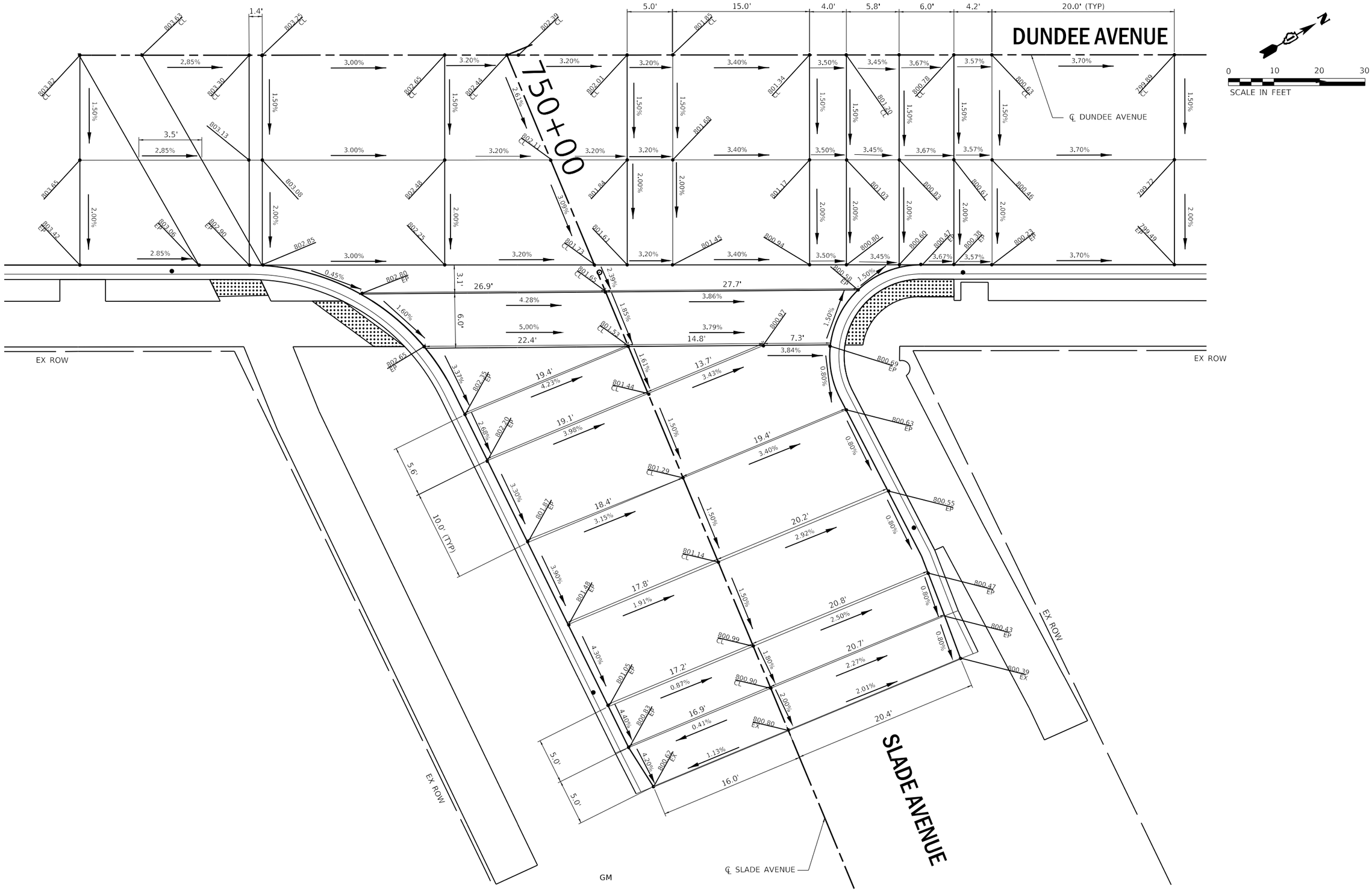
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
INTERSECTION PAVING PLANS

SCALE: 1" = 20' | SHEET 11 OF 12 SHEETS | STA. 126+80 TO STA. 128+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	76
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	



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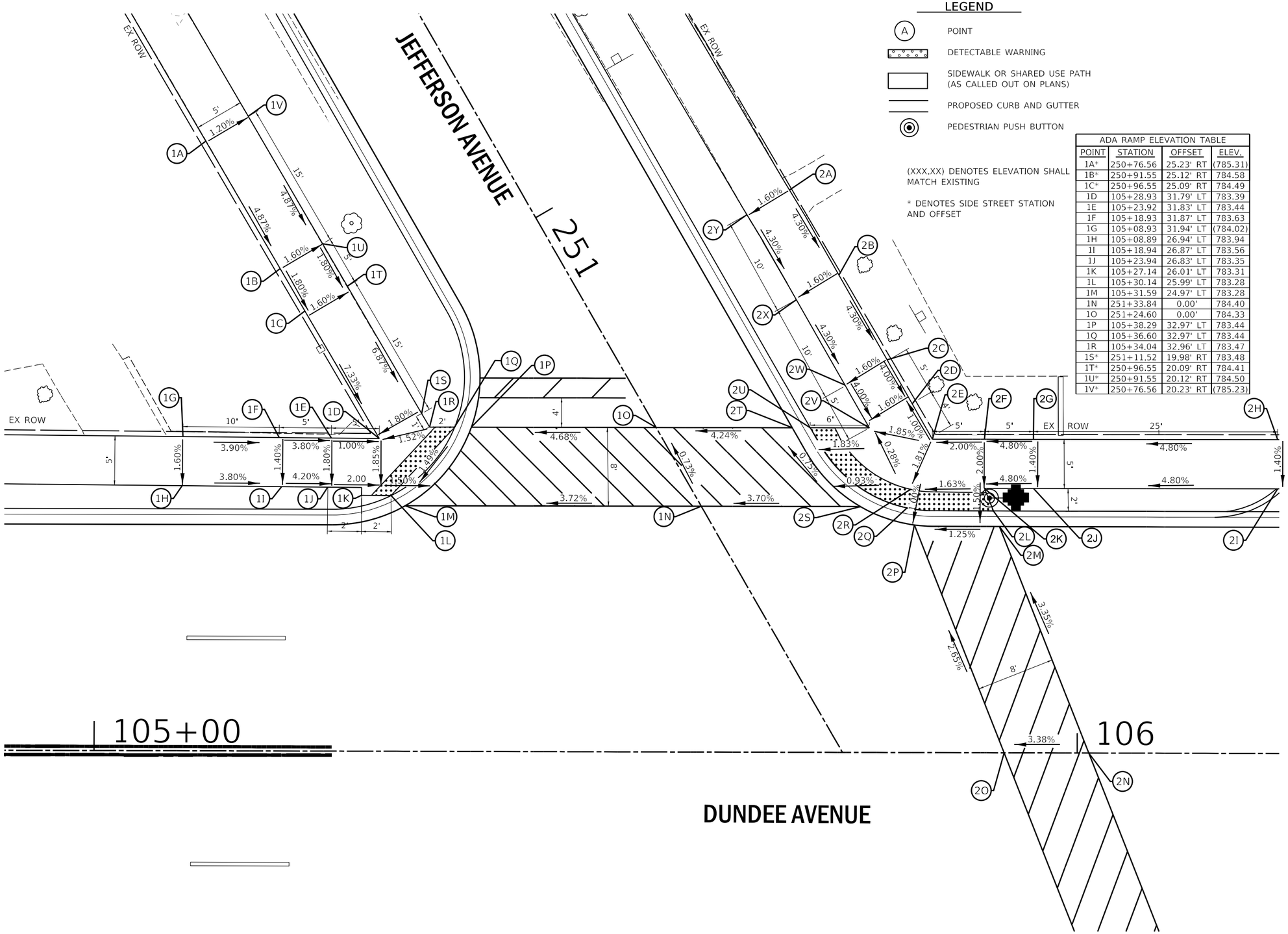
Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	CITY OF ELGIN 150 DEXTER COURT ELGIN, IL. 60120	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DUNDEE AVENUE INTERSECTION PAVING PLANS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			2525	20-00189-00-PV	KANE	184 / 77
		CHECKED -	REVISED -					CONTRACT NO. 61K68	
		DATE -	REVISED -		SCALE: 1" = 10' SHEET 12 OF 12 SHEETS STA. 127+20 TO STA. 128+40		ILLINOIS FED. AID PROJECT		



LEGEND

- (A) POINT
- DETECTABLE WARNING
- SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
- PROPOSED CURB AND GUTTER
- PEDESTRIAN PUSH BUTTON

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES SIDE STREET STATION AND OFFSET

0 5 10 15
SCALE IN FEET

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A*	250+76.56	25.23' RT	(785.31)
1B*	250+91.55	25.12' RT	784.58
1C*	250+96.55	25.09' RT	784.49
1D	105+28.93	31.79' LT	783.39
1E	105+23.92	31.83' LT	783.44
1F	105+18.93	31.87' LT	783.63
1G	105+08.93	31.94' LT	(784.02)
1H	105+08.89	26.94' LT	783.94
1I	105+18.94	26.87' LT	783.56
1J	105+23.94	26.83' LT	783.35
1K	105+27.14	26.01' LT	783.31
1L	105+30.14	25.99' LT	783.28
1M	105+31.59	24.97' LT	783.28
1N	251+33.84	0.00'	784.40
1O	251+24.60	0.00'	784.33
1P	105+38.29	32.97' LT	783.44
1Q	105+36.60	32.97' LT	783.44
1R	105+34.04	32.96' LT	783.47
1S*	251+11.52	19.98' RT	783.48
1T*	250+96.55	20.09' RT	784.41
1U*	250+91.55	20.12' RT	784.50
1V*	250+76.56	20.23' RT	(785.23)

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A*	251+10.44	23.79' LT	(786.17)
2B*	251+20.44	23.84' LT	785.74
2C	105+80.59	39.88' LT	785.31
2D	105+83.21	35.35' LT	785.11
2E	105+85.19	31.85' LT	785.15
2F	105+90.50	31.87' LT	785.25
2G	105+95.50	31.87' LT	785.49
2H	106+20.27	31.90' LT	(786.69)
2I	106+20.27	26.90' LT	786.62
2J	105+95.50	26.87' LT	785.42
2K	105+90.50	26.87' LT	785.18
2L	105+91.42	24.58' LT	785.15
2M	105+92.04	23.00' LT	785.15
2N	106+01.17	0.00	785.98
2O	105+92.57	0.00	785.71
2P	105+83.38	23.13' LT	785.05
2Q	105+82.70	24.87' LT	785.03
2R	105+83.00	26.76' LT	785.05
2S	105+77.90	24.99' LT	785.00
2T	105+70.94	32.99' LT	784.92
2U	105+72.77	32.98' LT	784.92
2V	105+78.77	32.99' LT	785.03
2W	105+76.29	32.37' LT	785.23
2X*	251+20.45	18.84' LT	785.66
2Y*	251+10.45	18.78' LT	786.09

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES JEFFERSON AVE STATION AND OFFSET

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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

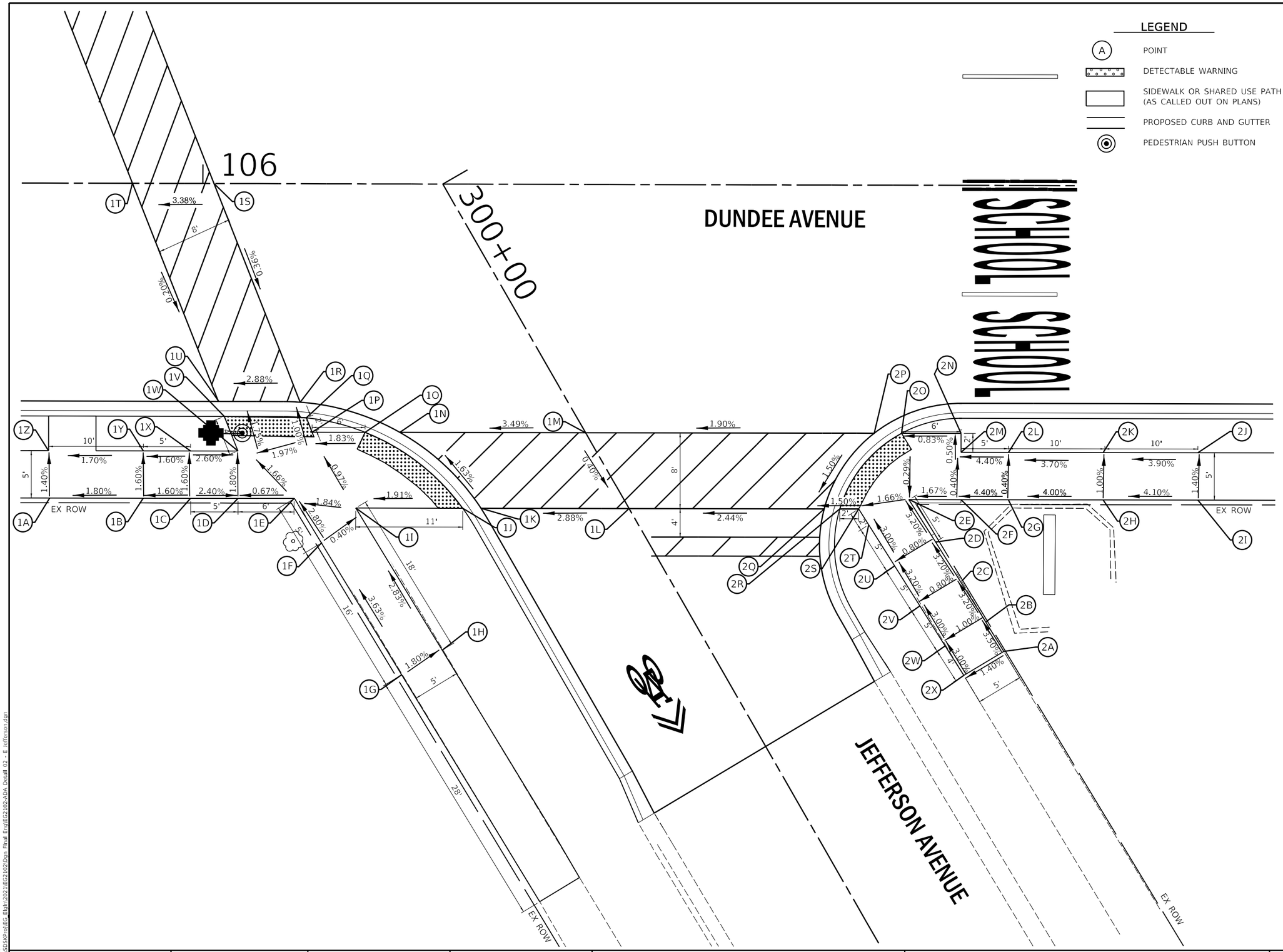
DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 1 OF 12 SHEETS | STA.105+00 TO STA.106+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	78

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



LEGEND

- (A) POINT
- DETECTABLE WARNING
- SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
- PROPOSED CURB AND GUTTER
- PEDESTRIAN PUSH BUTTON

N

0 5 10 15
SCALE IN FEET

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A	105+83.79	33.24' RT	(785.70)
1B	105+93.79	33.24' RT	785.88
1C	105+98.79	33.23' RT	785.96
1D	106+03.79	33.23' RT	785.84
1E	106+09.75	33.23' RT	785.88
1F*	300+26.46	29.97' RT	786.02
1G*	300+42.76	29.55' RT	786.60
1H*	300+42.64	24.55' RT	786.51
1I	106+15.56	33.22' RT	786.00
1J	106+26.74	33.22' RT	786.21
1K	106+29.44	34.21' RT	786.21
1L*	300+39.50	0.00'	786.66
1M*	300+30.26	0.00'	786.70
1N	106+21.12	28.22' RT	786.02
1O	106+20.86	26.22' RT	786.02
1P	106+12.66	28.22' RT	785.91
1Q	106+10.98	24.71' RT	785.89
1R	106+10.33	23.06 RT	785.89
1S	106+01.17	0.00' RT	786.02
1T	105+92.57	0.00' RT	785.93
1U	106+01.70	23.00' RT	785.68
1V	106+02.33	24.58' RT	785.68
1W	106+03.77	28.23' RT	785.75
1X	105+98.76	28.23' RT	785.88
1Y	105+93.77	28.24' RT	785.80
1Z	105+83.77	28.24' RT	785.63

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES SIDE STREET STATION AND OFFSET

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A*	300+72.27	26.79' LT	(787.88)
2B*	300+68.62	26.69' LT	787.74
2C*	300+63.62	26.50' LT	787.58
2D*	300+58.67	26.29' LT	787.42
2E	106+75.10	33.20' RT	787.26
2F	106+80.10	33.18' RT	787.36
2G	106+85.10	33.18' RT	787.58
2H	106+95.10	33.17' RT	787.98
2I	107+05.10	33.17' RT	788.39
2J	107+05.09	28.17' RT	788.32
2K	106+95.09	28.17' RT	787.93
2L	106+85.09	28.18' RT	787.56
2M	106+80.09	28.18' RT	787.34
2N	106+80.09	26.18' RT	787.33
2O	106+73.81	26.19' RT	787.28
2P	106+70.93	26.19' RT	727.28
2Q	106+65.63	34.34' RT	787.14
2R	106+67.31	34.19' RT	787.14
2S	106+69.88	34.19' RT	787.17
2T*	300+53.58	21.09' LT	787.23
2U*	300+58.70	21.29' LT	787.38
2V*	300+63.69	21.50' LT	787.54
2W*	300+68.67	21.71' LT	787.69
2X*	300+72.36	21.87' RT	(787.81)

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES JEFFERSON AVE STATION AND OFFSET

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50 YEARS

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CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

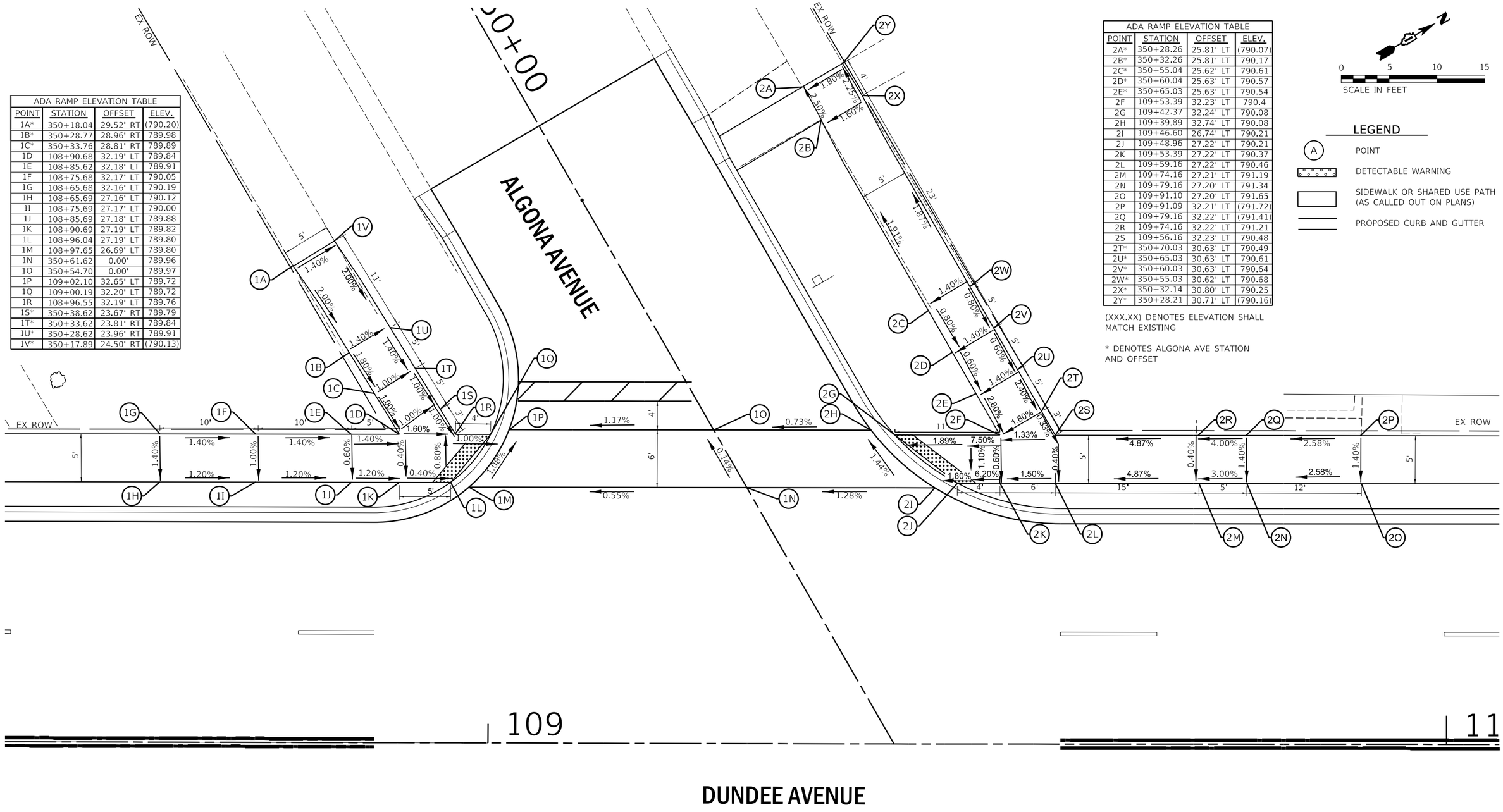
DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 2 OF 12 SHEETS | STA.105+80 TO STA.106+90

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	79

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A*	350+18.04	29.52' RT	(790.20)
1B*	350+28.77	28.96' RT	789.98
1C*	350+33.76	28.81' RT	789.89
1D	108+90.68	32.19' LT	789.84
1E	108+85.62	32.18' LT	789.91
1F	108+75.68	32.17' LT	790.05
1G	108+65.68	32.16' LT	790.19
1H	108+65.69	27.16' LT	790.12
1I	108+75.69	27.17' LT	790.00
1J	108+85.69	27.18' LT	789.88
1K	108+90.69	27.19' LT	789.82
1L	108+96.04	27.19' LT	789.80
1M	108+97.65	26.69' LT	789.80
1N	350+61.62	0.00'	789.96
1O	350+54.70	0.00'	789.97
1P	109+02.10	32.65' LT	789.72
1Q	109+00.19	32.20' LT	789.72
1R	108+96.55	32.19' LT	789.76
1S*	350+38.62	23.67' RT	789.79
1T*	350+33.62	23.81' RT	789.84
1U*	350+28.62	23.96' RT	789.91
1V*	350+17.89	24.50' RT	(790.13)

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A*	350+28.26	25.81' LT	(790.07)
2B*	350+32.26	25.81' LT	790.17
2C*	350+55.04	25.62' LT	790.61
2D*	350+60.04	25.63' LT	790.57
2E*	350+65.03	25.63' LT	790.54
2F	109+53.39	32.23' LT	790.4
2G	109+42.37	32.24' LT	790.08
2H	109+39.89	32.74' LT	790.08
2I	109+46.60	26.74' LT	790.21
2J	109+48.96	27.22' LT	790.21
2K	109+53.39	27.22' LT	790.37
2L	109+59.16	27.22' LT	790.46
2M	109+74.16	27.21' LT	791.19
2N	109+79.16	27.20' LT	791.34
2O	109+91.10	27.20' LT	791.65
2P	109+91.09	32.21' LT	(791.72)
2Q	109+79.16	32.22' LT	(791.41)
2R	109+74.16	32.22' LT	791.21
2S	109+56.16	32.23' LT	790.48
2T*	350+70.03	30.63' LT	790.49
2U*	350+65.03	30.63' LT	790.61
2V*	350+60.03	30.63' LT	790.64
2W*	350+55.03	30.62' LT	790.68
2X*	350+32.14	30.80' LT	790.25
2Y*	350+28.21	30.71' LT	(790.16)

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES ALGONA AVE STATION AND OFFSET

LEGEND

- (A) POINT
- DETECTABLE WARNING
- SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
- PROPOSED CURB AND GUTTER

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

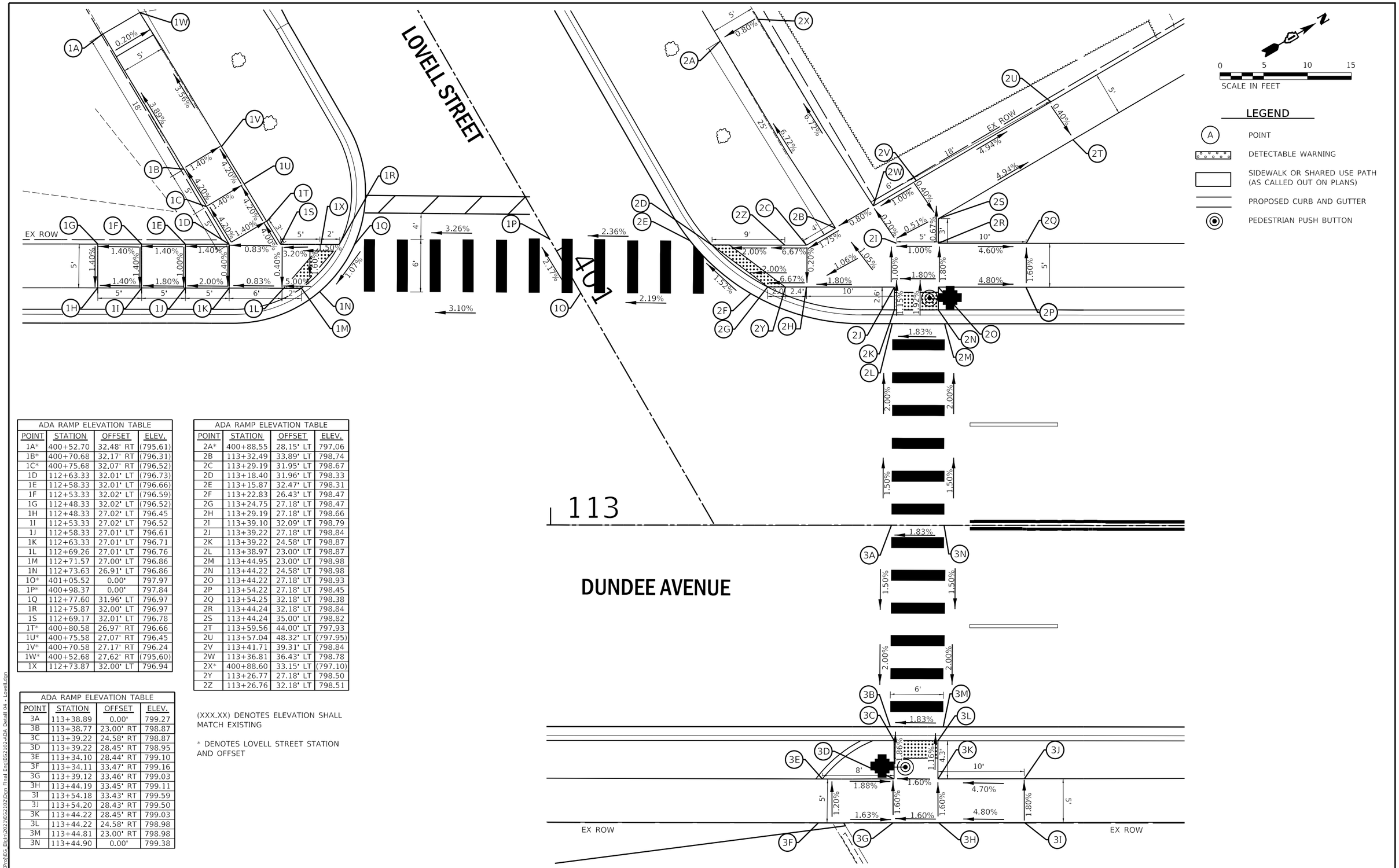
DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 3 OF 12 SHEETS | STA. 108+50 TO STA. 110+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	80

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A*	400+52.70	32.48' RT	(795.61)
1B*	400+70.68	32.17' RT	(796.31)
1C*	400+75.68	32.07' RT	(796.52)
1D	112+63.33	32.01' LT	(796.73)
1E	112+58.33	32.01' LT	(796.66)
1F	112+53.33	32.02' LT	(796.59)
1G	112+48.33	32.02' LT	(796.52)
1H	112+48.33	27.02' LT	796.45
1I	112+53.33	27.02' LT	796.52
1J	112+58.33	27.01' LT	796.61
1K	112+63.33	27.01' LT	796.71
1L	112+69.26	27.01' LT	796.76
1M	112+71.57	27.00' LT	796.86
1N	112+73.63	26.91' LT	796.86
1O*	401+05.52	0.00'	797.97
1P*	400+98.37	0.00'	797.84
1Q	112+77.60	31.96' LT	796.97
1R	112+75.87	32.00' LT	796.97
1S	112+69.17	32.01' LT	796.78
1T*	400+80.58	26.97' RT	796.66
1U*	400+75.58	27.07' RT	796.45
1V*	400+70.58	27.17' RT	796.24
1W*	400+52.68	27.62' RT	(795.60)
1X	112+73.87	32.00' LT	796.94

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A*	400+88.55	28.15' LT	797.06
2B	113+32.49	33.89' LT	798.74
2C	113+29.19	31.95' LT	798.67
2D	113+18.40	31.96' LT	798.33
2E	113+15.87	32.47' LT	798.31
2F	113+22.83	26.43' LT	798.47
2G	113+24.75	27.18' LT	798.47
2H	113+29.19	27.18' LT	798.66
2I	113+39.10	32.09' LT	798.79
2J	113+39.22	27.18' LT	798.84
2K	113+39.22	24.58' LT	798.87
2L	113+38.97	23.00' LT	798.87
2M	113+44.95	23.00' LT	798.98
2N	113+44.22	24.58' LT	798.98
2O	113+44.22	27.18' LT	798.93
2P	113+54.22	27.18' LT	798.45
2Q	113+54.25	32.18' LT	798.38
2R	113+44.24	32.18' LT	798.84
2S	113+44.24	35.00' LT	798.82
2T	113+59.56	44.00' LT	797.93
2U	113+57.04	48.32' LT	(797.95)
2V	113+41.71	39.31' LT	798.84
2W	113+36.81	36.43' LT	798.78
2X*	400+88.60	33.15' LT	(797.10)
2Y	113+26.77	27.18' LT	798.50
2Z	113+26.76	32.18' LT	798.51

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
3A	113+38.89	0.00'	799.27
3B	113+38.77	23.00' RT	798.87
3C	113+39.22	24.58' RT	798.87
3D	113+39.22	28.45' RT	798.95
3E	113+34.10	28.44' RT	799.10
3F	113+34.11	33.47' RT	799.16
3G	113+39.12	33.46' RT	799.03
3H	113+44.19	33.45' RT	799.11
3I	113+54.18	33.43' RT	799.59
3J	113+54.20	28.43' RT	799.50
3K	113+44.22	28.45' RT	799.03
3L	113+44.22	24.58' RT	798.98
3M	113+44.81	23.00' RT	798.98
3N	113+44.90	0.00'	799.38

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES LOVELL STREET STATION AND OFFSET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

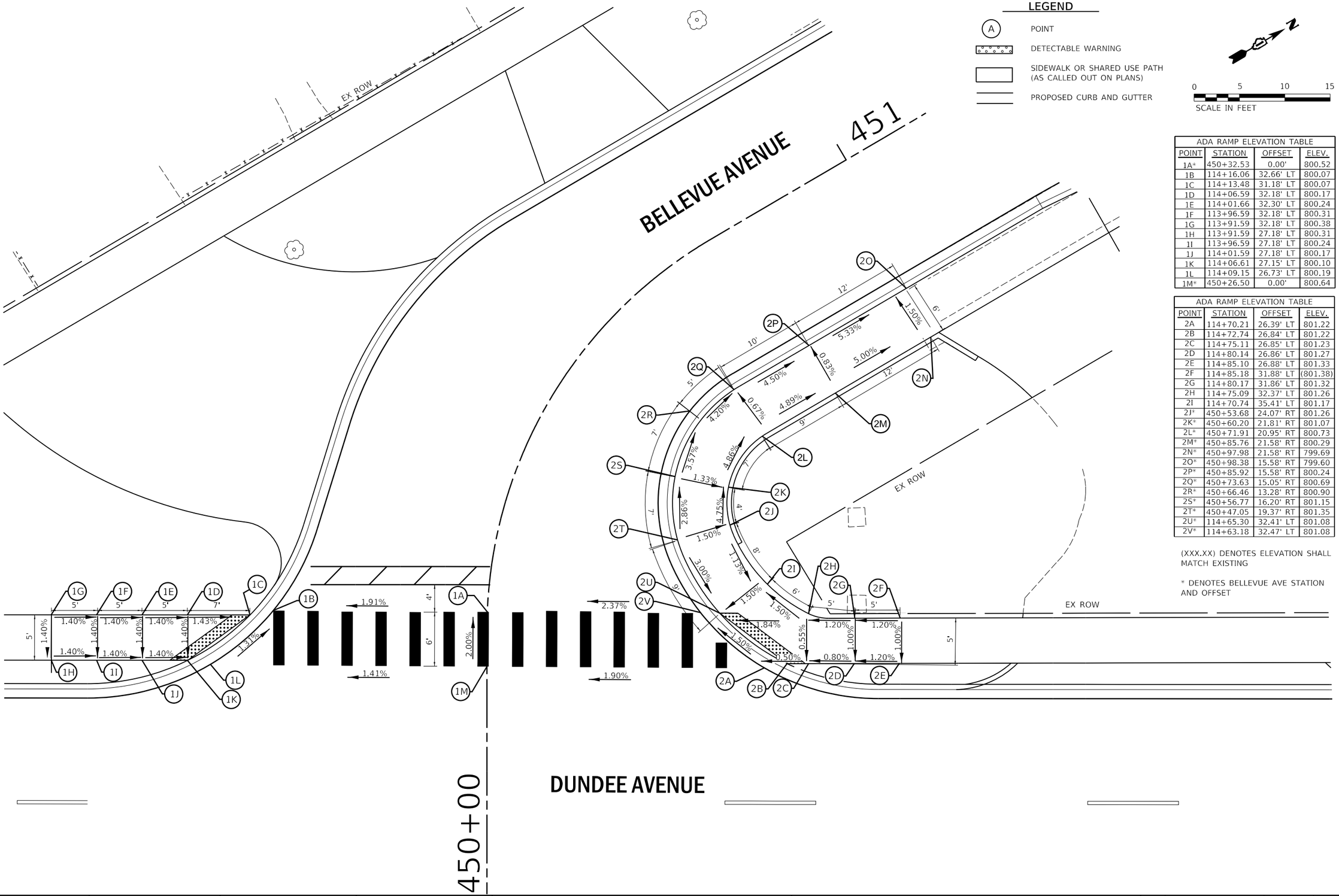
DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 4 OF 12 SHEETS | STA. 112+00 TO STA. 114+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	81

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT



LEGEND

- (A) POINT
- DETECTABLE WARNING
- SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
- PROPOSED CURB AND GUTTER

N

0 5 10 15
SCALE IN FEET

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A*	450+32.53	0.00'	800.52
1B	114+16.06	32.66' LT	800.07
1C	114+13.48	31.18' LT	800.07
1D	114+06.59	32.18' LT	800.17
1E	114+01.66	32.30' LT	800.24
1F	113+96.59	32.18' LT	800.31
1G	113+91.59	32.18' LT	800.38
1H	113+91.59	27.18' LT	800.31
1I	113+96.59	27.18' LT	800.24
1J	114+01.59	27.18' LT	800.17
1K	114+06.61	27.15' LT	800.10
1L	114+09.15	26.73' LT	800.19
1M*	450+26.50	0.00'	800.64

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A	114+70.21	26.39' LT	801.22
2B	114+72.74	26.84' LT	801.22
2C	114+75.11	26.85' LT	801.23
2D	114+80.14	26.86' LT	801.27
2E	114+85.10	26.88' LT	801.33
2F	114+85.18	31.88' LT	(801.38)
2G	114+80.17	31.86' LT	801.32
2H	114+75.09	32.37' LT	801.26
2I	114+70.74	35.41' LT	801.17
2J*	450+53.68	24.07' RT	801.26
2K*	450+60.20	21.81' RT	801.07
2L*	450+71.91	20.95' RT	800.73
2M*	450+85.76	21.58' RT	800.29
2N*	450+97.98	21.58' RT	799.69
2O*	450+98.38	15.58' RT	799.60
2P*	450+85.92	15.58' RT	800.24
2Q*	450+73.63	15.05' RT	800.69
2R*	450+66.46	13.28' RT	800.90
2S*	450+56.77	16.20' RT	801.15
2T*	450+47.05	19.37' RT	801.35
2U*	114+65.30	32.41' LT	801.08
2V*	114+63.18	32.47' LT	801.08

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES BELLEVUE AVE STATION AND OFFSET

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PLOT DATE = 11/5/2024 1:04:14 PM
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FILE NAME: H:\SDSK\Proj\EG Elgin\2021\EG2102\Dgn Final Eng\EG2102-ADA Detail 05 - Bellevue.dgn

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CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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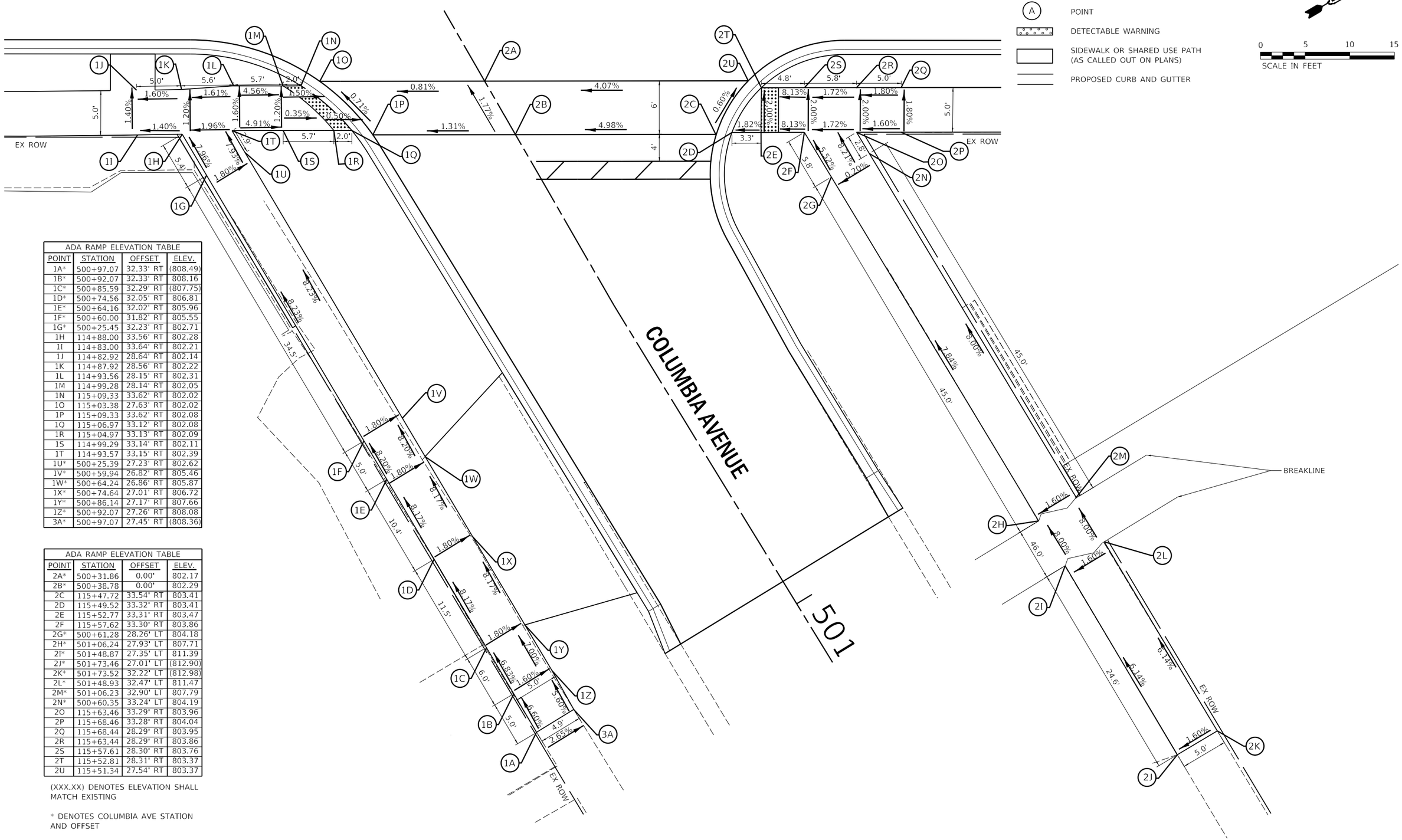
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 5 OF 12 SHEETS | STA. 113+80 TO STA. 115+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	82
		CONTRACT NO. 61K68		
	ILLINOIS	FED. AID PROJECT		

DUNDEE AVENUE



ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A*	500+97.07	32.33' RT	(808.49)
1B*	500+92.07	32.33' RT	808.16
1C*	500+85.59	32.29' RT	(807.75)
1D*	500+74.56	32.05' RT	806.81
1E*	500+64.16	32.02' RT	805.96
1F*	500+60.00	31.82' RT	805.55
1G*	500+25.45	32.23' RT	802.71
1H	114+88.00	33.56' RT	802.28
1I	114+83.00	33.64' RT	802.21
1J	114+82.92	28.64' RT	802.14
1K	114+87.92	28.56' RT	802.22
1L	114+93.56	28.15' RT	802.31
1M	114+99.28	28.14' RT	802.05
1N	115+09.33	33.62' RT	802.02
1O	115+03.38	27.63' RT	802.02
1P	115+09.33	33.62' RT	802.08
1Q	115+06.97	33.12' RT	802.08
1R	115+04.97	33.13' RT	802.09
1S	114+99.29	33.14' RT	802.11
1T	114+93.57	33.15' RT	802.39
1U*	500+25.39	27.23' RT	802.62
1V*	500+59.94	26.82' RT	805.46
1W*	500+64.24	26.86' RT	805.87
1X*	500+74.64	27.01' RT	806.72
1Y*	500+86.14	27.17' RT	807.66
1Z*	500+92.07	27.26' RT	808.08
3A*	500+97.07	27.45' RT	(808.36)

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A*	500+31.86	0.00'	802.17
2B*	500+38.78	0.00'	802.29
2C	115+47.72	33.54' RT	803.41
2D	115+49.52	33.32' RT	803.41
2E	115+52.77	33.31' RT	803.47
2F	115+57.62	33.30' RT	803.86
2G*	500+61.28	28.26' LT	804.18
2H*	501+06.24	27.93' LT	807.71
2I*	501+48.87	27.35' LT	811.39
2J*	501+73.46	27.01' LT	(812.90)
2K*	501+73.52	32.22' LT	(812.98)
2L*	501+48.93	32.47' LT	811.47
2M*	501+06.23	32.90' LT	807.79
2N*	500+60.35	33.24' LT	804.19
2O	115+63.46	33.29' RT	803.96
2P	115+68.46	33.28' RT	804.04
2Q	115+68.44	28.29' RT	803.95
2R	115+63.44	28.29' RT	803.86
2S	115+57.61	28.30' RT	803.76
2T	115+52.81	28.31' RT	803.37
2U	115+51.34	27.54' RT	803.37

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES COLUMBIA AVE STATION AND OFFSET

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PLOT DATE = 1/15/2024 1:04:15 PM
MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

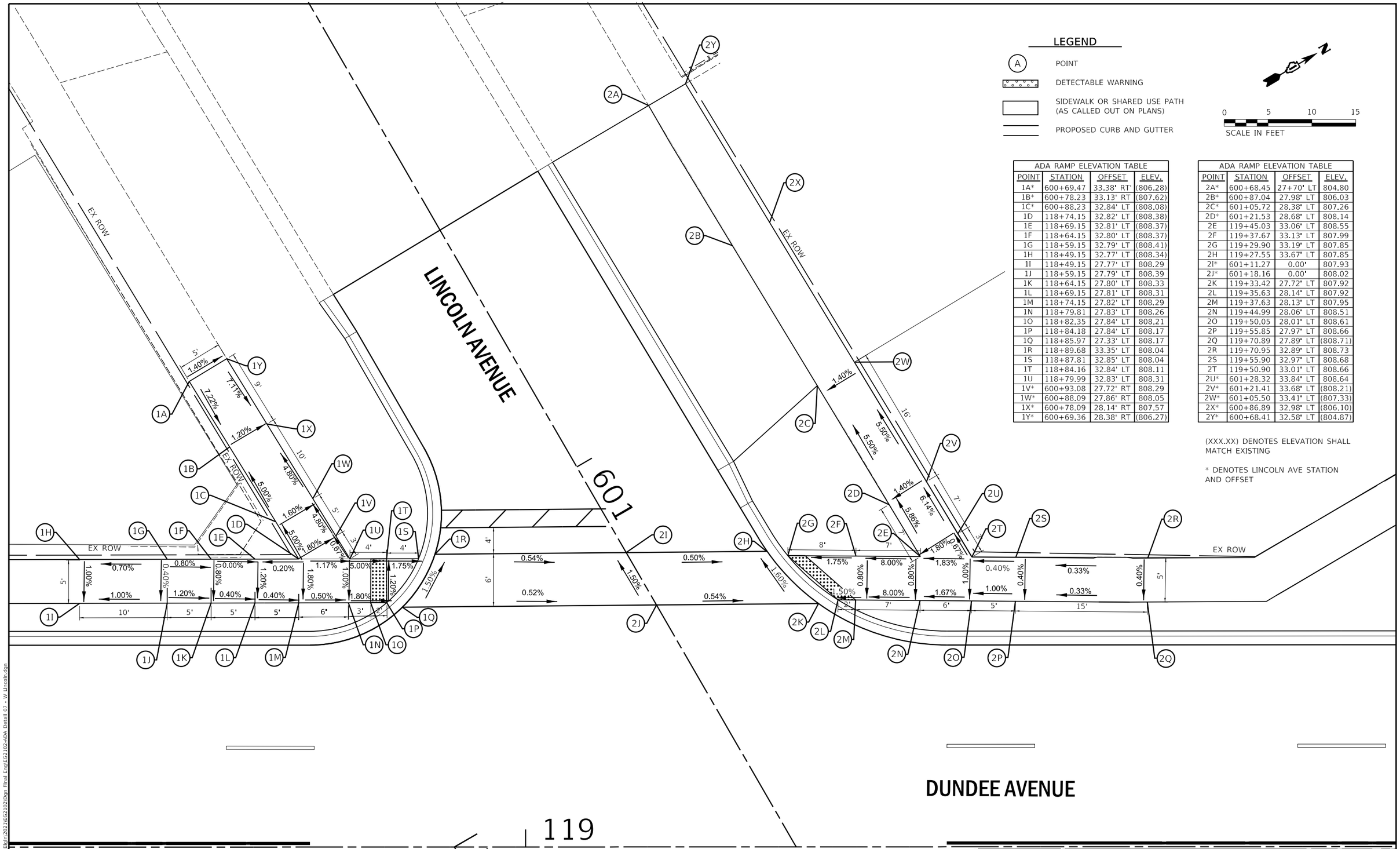
DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 6 OF 12 SHEETS | STA.114+70 TO STA.116+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	83

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT



ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A*	600+69.47	33.38' RT'	(806.28)
1B*	600+78.23	33.13' RT	(807.62)
1C*	600+88.23	32.84' LT	(808.08)
1D	118+74.15	32.82' LT	(808.38)
1E	118+69.15	32.81' LT	(808.37)
1F	118+64.15	32.80' LT	(808.37)
1G	118+59.15	32.79' LT	(808.41)
1H	118+49.15	32.77' LT	(808.34)
1I	118+49.15	27.77' LT	808.29
1J	118+59.15	27.79' LT	808.39
1K	118+64.15	27.80' LT	808.33
1L	118+69.15	27.81' LT	808.31
1M	118+74.15	27.82' LT	808.29
1N	118+79.81	27.83' LT	808.26
1O	118+82.35	27.84' LT	808.21
1P	118+84.18	27.84' LT	808.17
1Q	118+85.97	27.33' LT	808.17
1R	118+89.68	33.35' LT	808.04
1S	118+87.81	32.85' LT	808.04
1T	118+84.16	32.84' LT	808.11
1U	118+79.99	32.83' LT	808.31
1V*	600+93.08	27.72' RT	808.29
1W*	600+88.09	27.86' RT	808.05
1X*	600+78.09	28.14' RT	807.57
1Y*	600+69.36	28.38' RT	(806.27)

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A*	600+68.45	27+70' LT	804.80
2B*	600+87.04	27.98' LT	806.03
2C*	601+05.72	28.38' LT	807.26
2D*	601+21.53	28.68' LT	808.14
2E	119+45.03	33.06' LT	808.55
2F	119+37.67	33.13' LT	807.99
2G	119+29.90	33.19' LT	807.85
2H	119+27.55	33.67' LT	807.85
2I*	601+11.27	0.00'	807.93
2J*	601+18.16	0.00'	808.02
2K	119+33.42	27.72' LT	807.92
2L	119+35.63	28.14' LT	807.92
2M	119+37.63	28.13' LT	807.95
2N	119+44.99	28.06' LT	808.51
2O	119+50.05	28.01' LT	808.61
2P	119+55.85	27.97' LT	808.66
2Q	119+70.89	27.89' LT	(808.71)
2R	119+70.95	32.89' LT	808.73
2S	119+55.90	32.97' LT	808.68
2T	119+50.90	33.01' LT	808.66
2U*	601+28.32	33.84' LT	808.64
2V*	601+21.41	33.68' LT	(808.21)
2W*	601+05.50	33.41' LT	(807.33)
2X*	600+86.89	32.98' LT	(806.10)
2Y*	600+68.41	32.58' LT	(804.87)

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES LINCOLN AVE STATION AND OFFSET

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CITY OF ELGIN
150 DEXTER COURT
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
ADA DETAIL SHEETS

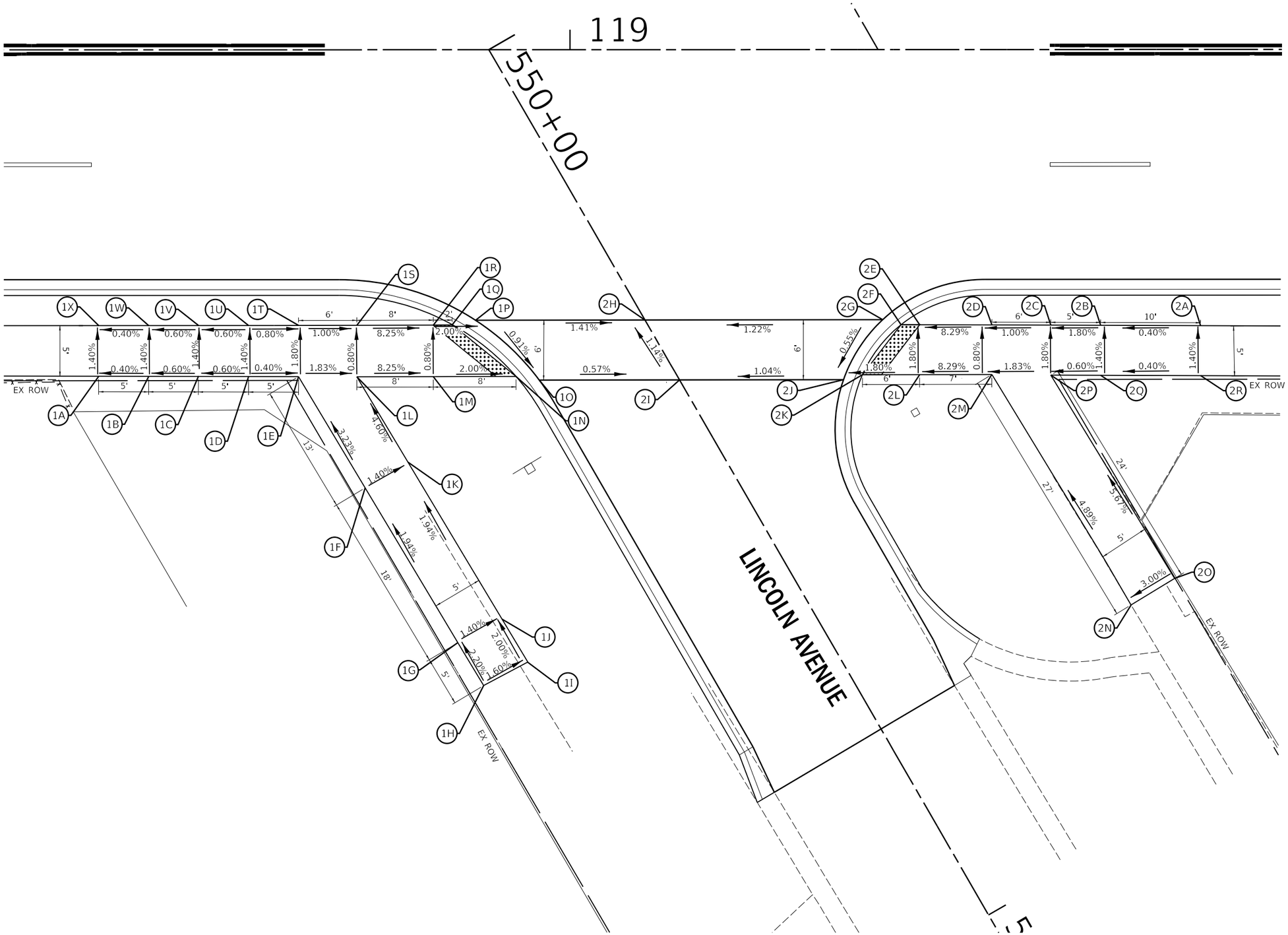
SCALE: 1" = 5' | SHEET 7 OF 12 SHEETS | STA. 118+50 TO STA. 119+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	84

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

DUNDEE AVENUE



0 5 10 15
SCALE IN FEET

LEGEND

- (A) POINT
- DETECTABLE WARNING
- SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
- PROPOSED CURB AND GUTTER

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A	118+52.81	32.66' RT	(809.20)
1B	118+57.81	32.67' RT	(809.22)
1C	118+62.81	32.70' RT	(809.25)
1D	118+67.81	32.70' RT	(809.28)
1E	118+72.81	32.70' RT	(809.26)
1F*	550+31.76	32.66' RT	(809.68)
1G*	550+49.82	32.37' RT	(810.03)
1H*	550+54.83	32.29' RT	(810.14)
1I*	550+55.00	27.28' RT	810.06
1J*	550+50.00	27.36' RT	809.96
1K*	550+31.68	27.66' RT	809.61
1L	118+78.65	32.72' RT	809.15
1M	118+86.31	32.72' RT	808.49
1N	118+94.59	32.69' RT	808.33
1O	118+96.92	33.06' RT	808.33
1P	118+90.54	27.07' RT	808.41
1Q	118+88.25	27.53' RT	808.41
1R	118+86.30	27.57' RT	808.45
1S	118+78.65	27.57' RT	809.11
1T	118+72.81	27.58' RT	809.17
1U	118+67.81	27.59' RT	809.21
1V	118+62.81	27.59' RT	809.18
1W	118+57.81	27.59' RT	809.15
1X	118+52.81	27.60' RT	809.13

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A	119+63.13	27.64' RT	809.23
2B	119+53.13	27.60' RT	809.19
2C	119+48.13	27.58' RT	809.14
2D	119+42.24	27.56' RT	809.08
2E	119+35.00	27.54' RT	808.50
2F	119+33.14	27.53' RT	808.46
2G	119+31.30	27.03' RT	808.46
2H*	550+31.24	0.00' RT	808.17
2I*	550+38.16	0.00' RT	808.25
2J	119+27.38	33.03' RT	808.42
2K	119+29.28	32.53' RT	808.42
2L	119+35.00	32.54' RT	808.54
2M	119+42.24	32.51' RT	809.12
2N*	550+80.28	27.88' LT	(810.44)
2O*	550+80.16	32.98' LT	810.59
2P	119+48.13	32.58' RT	(809.23)
2Q	119+53.12	32.59' RT	(800.26)
2R	119+63.15	32.64' RT	(809.30)

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES LINCOLN AVE STATION AND OFFSET

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50 YEARS
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CITY OF ELGIN
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ELGIN, IL. 60120

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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

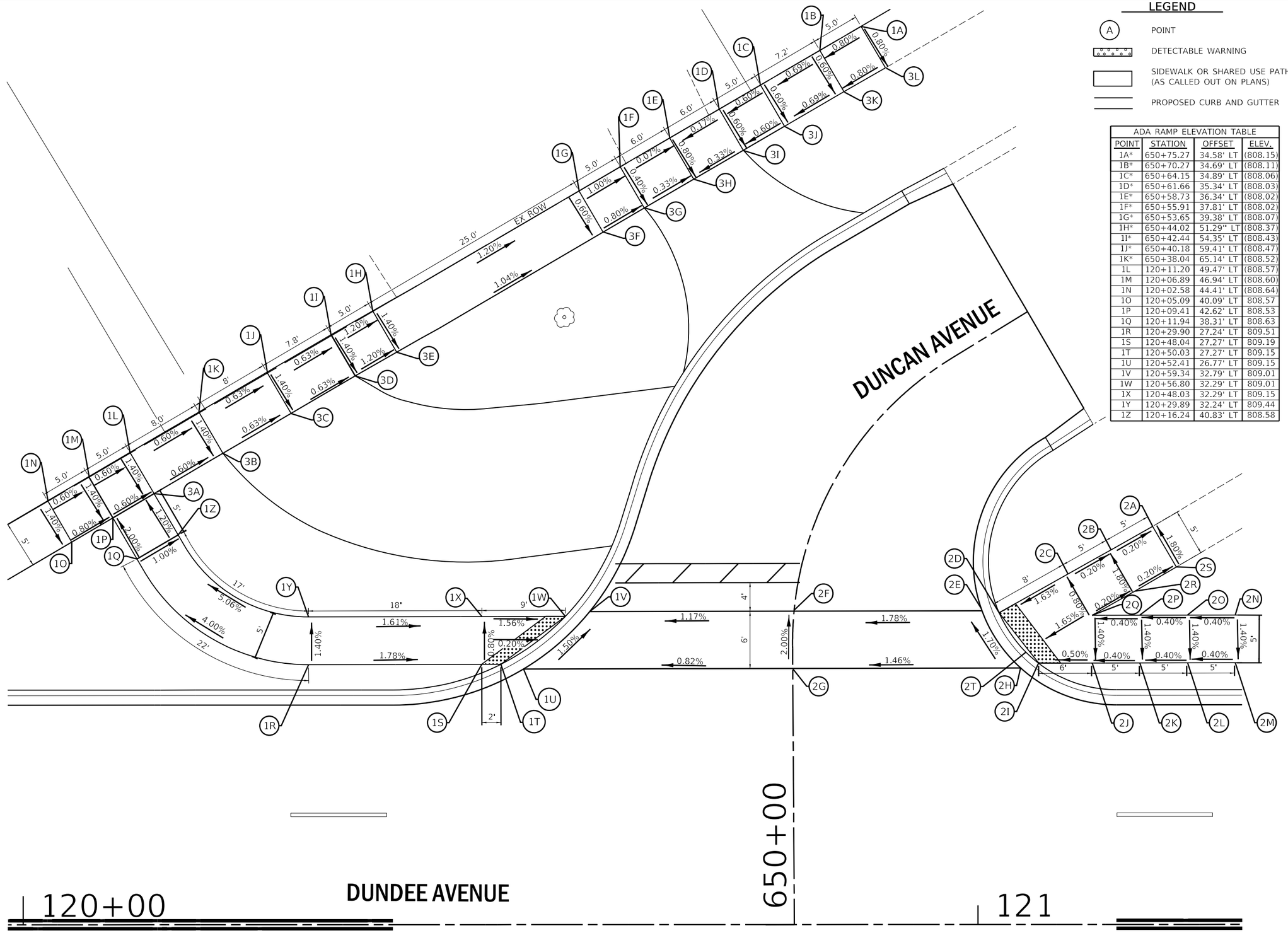
DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 8 OF 12 SHEETS | STA.118+50 TO STA.119+70

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	85

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



LEGEND

- POINT
- DETECTABLE WARNING
- SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
- PROPOSED CURB AND GUTTER

0 5 10 15
SCALE IN FEET

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A*	650+75.27	34.58' LT	(808.15)
1B*	650+70.27	34.69' LT	(808.11)
1C*	650+64.15	34.89' LT	(808.06)
1D*	650+61.66	35.34' LT	(808.03)
1E*	650+58.73	36.34' LT	(808.02)
1F*	650+55.91	37.81' LT	(808.02)
1G*	650+53.65	39.38' LT	(808.07)
1H*	650+44.02	51.29" LT	(808.37)
1I*	650+42.44	54.35' LT	(808.43)
1J*	650+40.18	59.41' LT	(808.47)
1K*	650+38.04	65.14' LT	(808.52)
1L	120+11.20	49.47' LT	(808.57)
1M	120+06.89	46.94' LT	(808.60)
1N	120+02.58	44.41' LT	(808.64)
1O	120+05.09	40.09' LT	808.57
1P	120+09.41	42.62' LT	808.53
1Q	120+11.94	38.31' LT	808.63
1R	120+29.90	27.24' LT	809.51
1S	120+48.04	27.27' LT	809.19
1T	120+50.03	27.27' LT	809.15
1U	120+52.41	26.77' LT	809.15
1V	120+59.34	32.79' LT	809.01
1W	120+56.80	32.29' LT	809.01
1X	120+48.03	32.29' LT	809.15
1Y	120+29.89	32.24' LT	809.44
1Z	120+16.24	40.83' LT	808.58

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A*	650+73.91	26.02' RT	(809.72)
2B*	650+68.92	25.84' RT	809.73
2C*	650+59.78	25.53' RT	809.74
2D	121+02.23	32.64' LT	809.61
2E	121+00.44	32.86' LT	809.61
2F*	650+32.83	0.00'	809.26
2G*	650+26.82	0.00'	809.38
2H	121+04.48	26.86' LT	809.73
2I	121+06.35	27.39' LT	809.73
2J	121+11.97	27.38' LT	809.76
2K	121+16.97	27.39' LT	809.78
2L	121+21.97	27.40' LT	809.80
2M	121+26.97	27.41' LT	809.82
2N	121+26.96	32.41' LT	809.89
2O	121+21.96	32.40' LT	809.87
2P	121+16.96	32.39' LT	809.85
2Q	121+11.96	32.38' LT	809.83
2R*	650+68.79	30.84' RT	809.82
2S*	650+73.81	30.95' RT	(809.81)
2T	121+05.03	28.52' LT	809.70

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
3A	120+13.72	45.15' LT	808.50
3B*	650+36.74	61.72' LT	808.45
3C*	650+38.88	55.77' LT	808.40
3D*	650+41.17	50.50' LT	808.36
3E*	650+42.77	47.29' LT	808.30
3F*	650+52.78	34.71' LT	808.04
3G*	650+55.18	33.03' LT	808.00
3H*	650+58.19	31.45' LT	807.98
3I*	650+61.33	30.38' LT	808.00
3J*	650+64.00	29.90' LT	808.03
3K*	650+70.16	29.69' LT	808.08
3L*	650+75.19	29.55' LT	(808.12)

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES DUNCAN AVE STATION AND OFFSET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

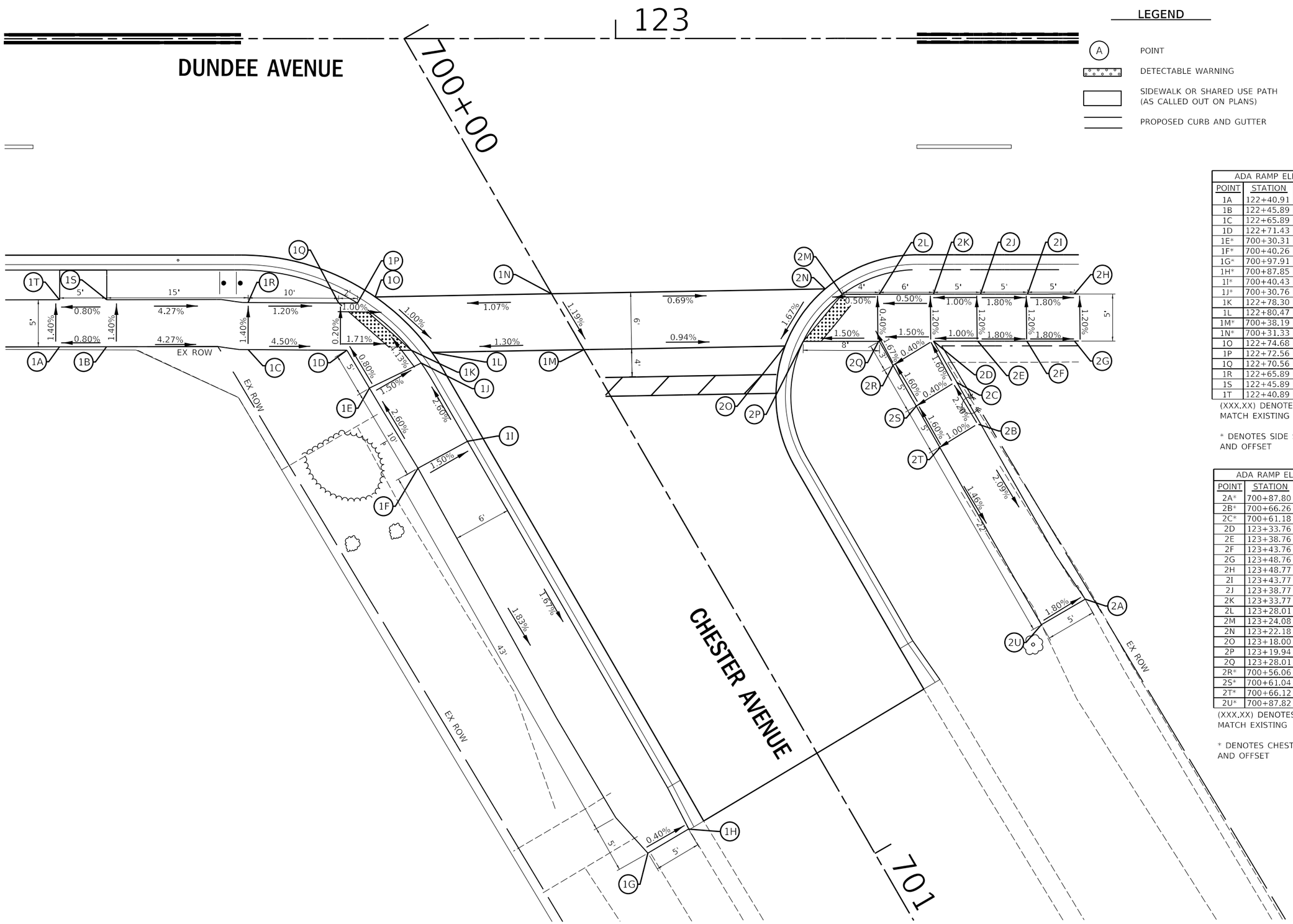
DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 9 OF 12 SHEETS | STA.120+00 TO STA.121+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	86

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A	122+40.91	32.99' RT	(811.08)
1B	122+45.89	33.02' RT	(811.12)
1C	122+65.89	33.08' RT	810.48
1D	122+71.43	33.12' RT	810.03
1E*	700+30.31	21.78' RT	810.07
1F*	700+40.26	21.57' RT	810.33
1G*	700+97.91	20.87' RT	(809.54)
1H*	700+87.85	15.85' RT	(809.52)
1I*	700+40.43	15.58' RT	810.24
1J*	700+30.76	15.68' RT	809.98
1K	122+78.30	33.13' RT	809.91
1L	122+80.47	33.35' RT	809.91
1M*	700+38.19	0.00'	810.12
1N*	700+31.33	0.00'	810.20
1O	122+74.68	27.62' RT	810.00
1P	122+72.56	28.11' RT	810.00
1Q	122+70.56	28.10' RT	810.02
1R	122+65.89	28.07' RT	810.41
1S	122+45.89	28.02' RT	811.05
1T	122+40.89	27.99' RT	811.01

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES SIDE STREET STATION AND OFFSET

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A*	700+87.80	32.86' LT	(809.84)
2B*	700+66.26	32.55' LT	810.30
2C*	700+61.18	32.58' LT	810.19
2D	123+33.76	32.18' RT	810.11
2E	123+38.76	32.18' RT	810.16
2F	123+43.76	32.18' RT	810.07
2G	123+48.76	32.17' RT	809.98
2H	123+48.77	27.17' RT	809.92
2I	123+43.77	27.18' RT	810.01
2J	123+38.77	27.17' RT	810.10
2K	123+33.77	27.18' RT	810.05
2L	123+28.01	27.19' RT	810.02
2M	123+24.08	27.19' RT	810.00
2N	123+22.18	26.69' RT	810.00
2O	123+18.00	32.69' RT	809.92
2P	123+19.94	32.19' RT	809.92
2Q	123+28.01	32.19' RT	810.04
2R*	700+56.06	27.61' LT	810.09
2S*	700+61.04	27.58' LT	810.17
2T*	700+66.12	27.56' LT	810.25
2U*	700+87.82	27.48' LT	(809.93)

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES CHESTER AVE STATION AND OFFSET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

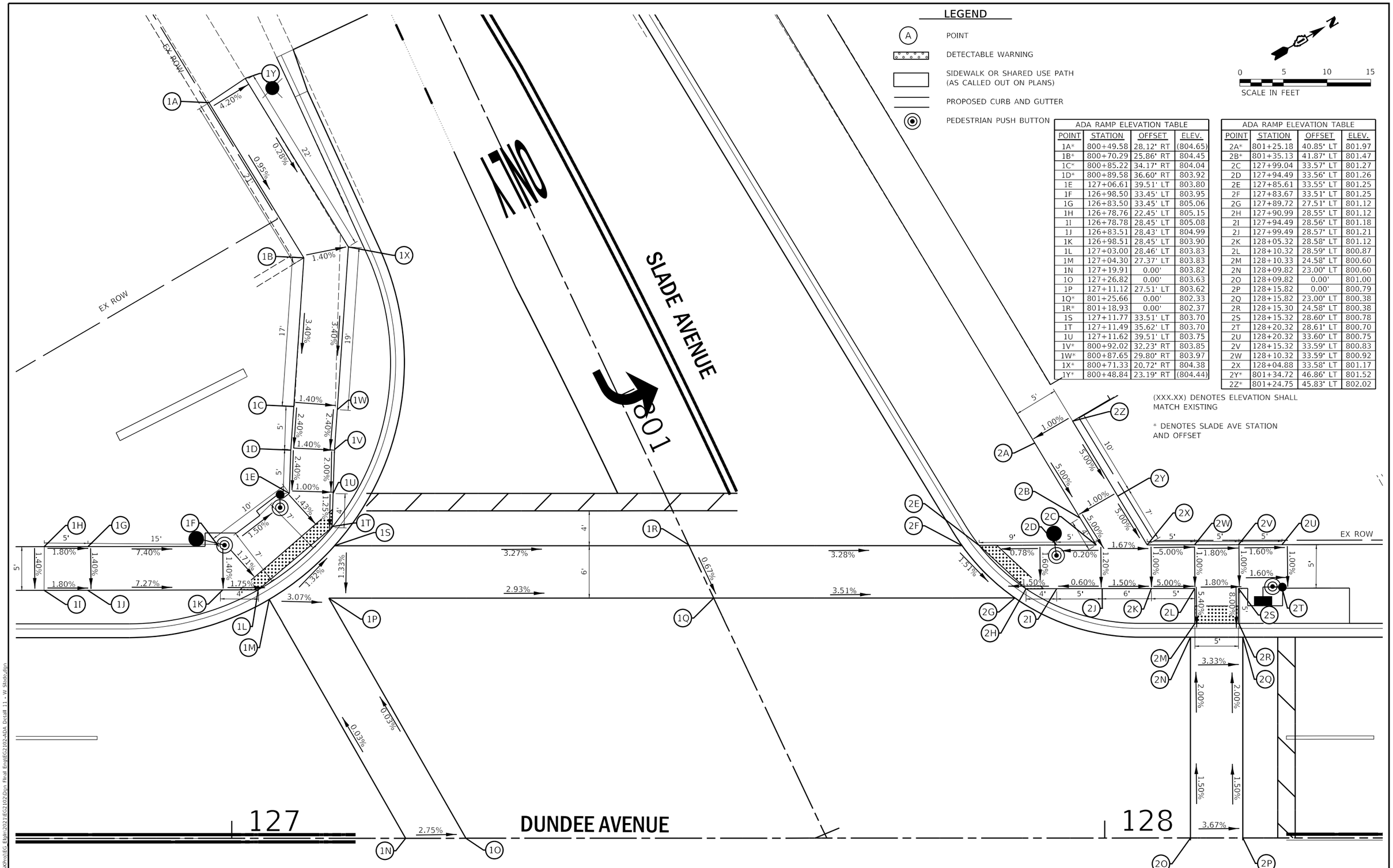
DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 10 OF 12 SHEETS | STA.122+50 TO STA.123+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	87

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT



ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
1A*	800+49.58	28.12' RT	(804.65)
1B*	800+70.29	25.86' RT	804.45
1C*	800+85.22	34.17' RT	804.04
1D*	800+89.58	36.60' RT	803.92
1E	127+06.61	39.51' LT	803.80
1F	126+98.50	33.45' LT	803.95
1G	126+83.50	33.45' LT	805.06
1H	126+78.76	22.45' LT	805.15
1I	126+78.78	28.45' LT	805.08
1J	126+83.51	28.43' LT	804.99
1K	126+98.51	28.45' LT	803.90
1L	127+03.00	28.46' LT	803.83
1M	127+04.30	27.37' LT	803.83
1N	127+19.91	0.00'	803.82
1O	127+26.82	0.00'	803.63
1P	127+11.12	27.51' LT	803.62
1Q*	801+25.66	0.00'	802.33
1R*	801+18.93	0.00'	802.37
1S	127+11.77	33.51' LT	803.70
1T	127+11.49	35.62' LT	803.70
1U	127+11.62	39.51' LT	803.75
1V*	800+92.02	32.23' RT	803.85
1W*	800+87.65	29.80' RT	803.97
1X*	800+71.33	20.72' RT	804.38
1Y*	800+48.84	23.19' RT	(804.44)

ADA RAMP ELEVATION TABLE			
POINT	STATION	OFFSET	ELEV.
2A*	801+25.18	40.85' LT	801.97
2B*	801+35.13	41.87' LT	801.47
2C	127+99.04	33.57' LT	801.27
2D	127+94.49	33.56' LT	801.26
2E	127+85.61	33.55' LT	801.25
2F	127+83.67	33.51' LT	801.25
2G	127+89.72	27.51' LT	801.12
2H	127+90.99	28.55' LT	801.12
2I	127+94.49	28.56' LT	801.18
2J	127+99.49	28.57' LT	801.21
2K	128+05.32	28.58' LT	801.12
2L	128+10.32	28.59' LT	800.87
2M	128+10.33	24.58' LT	800.60
2N	128+09.82	23.00' LT	800.60
2O	128+09.82	0.00'	801.00
2P	128+15.82	0.00'	800.79
2Q	128+15.82	23.00' LT	800.38
2R	128+15.30	24.58' LT	800.38
2S	128+15.32	28.60' LT	800.78
2T	128+20.32	28.61' LT	800.70
2U	128+20.32	33.60' LT	800.75
2V	128+15.32	33.59' LT	800.83
2W	128+10.32	33.59' LT	800.92
2X	128+04.88	33.58' LT	801.17
2Y*	801+34.72	46.86' LT	801.52
2Z*	801+24.75	45.83' LT	802.02

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES SLADE AVE STATION AND OFFSET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

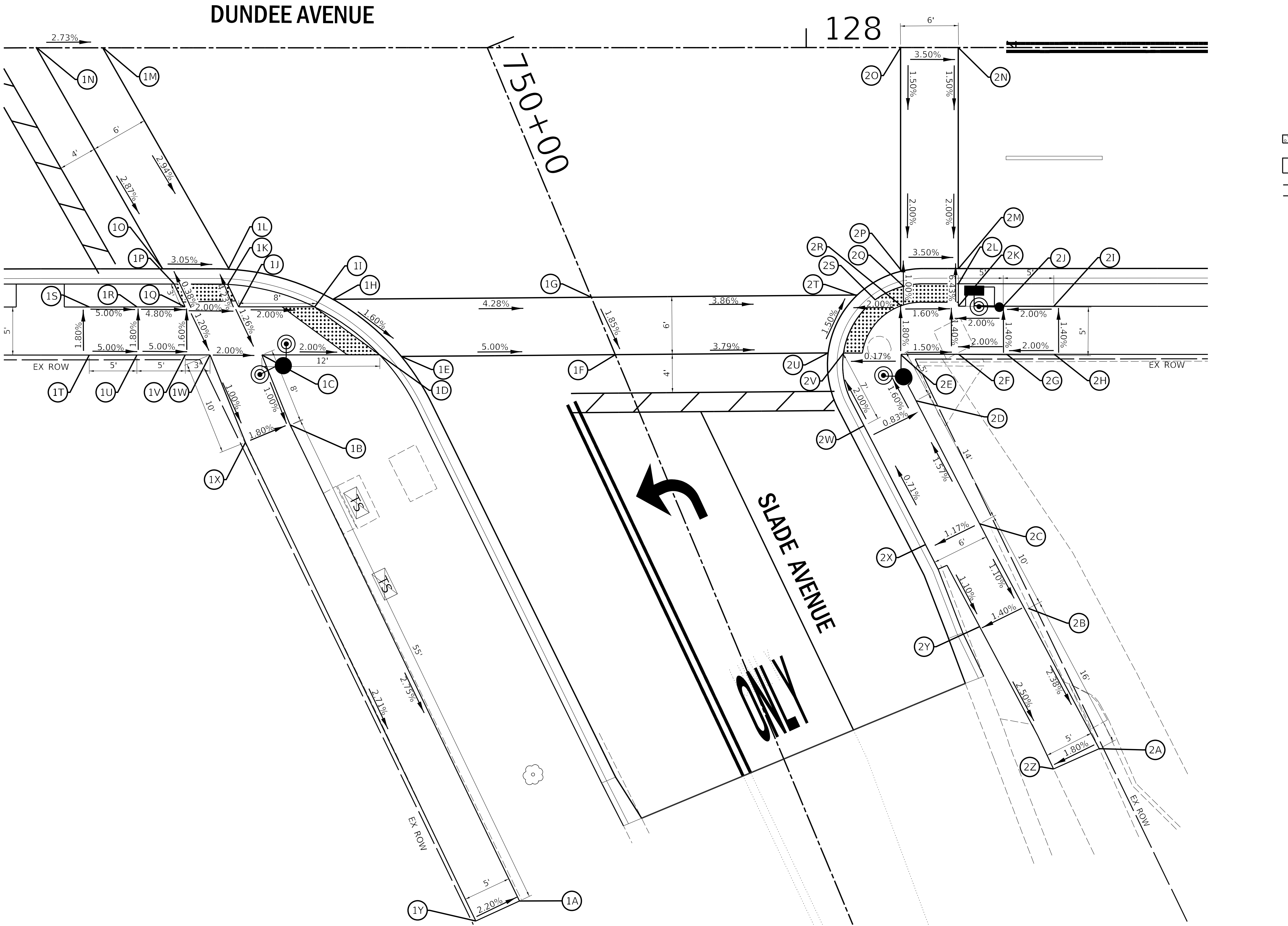
DUNDEE AVENUE
ADA DETAIL SHEETS

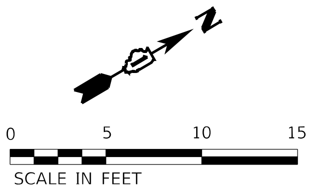
SCALE: 1" = 5' | SHEET 11 OF 12 SHEETS | STA.126+90 TO STA.128+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	88

CONTRACT NO. 61K68

ILLINOIS FED. AID PROJECT





LEGEND

Ⓐ	POINT
▨	DETECTABLE WARNING
☐	SIDEWALK OR SHARED USE PATH (AS CALLED OUT ON PLANS)
—	PROPOSED CURB AND GUTTER
◉	PEDESTRIAN PUSH BUTTON

ADA RAMP ELEVATION TABLE

POINT	STATION	OFFSET	ELEV.
1A*	750+83.25	31.07' RT	(801.30)
1B*	750+28.37	34.02' RT	802.81
1C	127+43.36	31.96' RT	802.89
1D	127+55.61	31.95' RT	802.65
1E	127+57.87	32.12' RT	802.65
1F*	750+34.61	0.00'	801.53
1G*	750+28.13	0.00'	801.65
1H	127+50.76	26.18' RT	802.80
1I	127+48.82	26.95' RT	802.80
1J	127+40.93	26.96' RT	802.96
1K	127+39.81	24.62' RT	802.85
1L	127+39.95	23.04' RT	802.85
1M	127+26.82	0.00'	803.63
1N	127+19.91	0.00'	803.82
1O	127+33.03	23.00' RT	803.06
1P	127+34.23	24.58' RT	803.06
1Q	127+35.38	26.96' RT	803.07
1R	127+30.38	26.96' RT	803.31
1S	127+25.38	26.97' RT	803.56
1T	127+25.38	31.97' RT	803.65
1U	127+30.38	31.96' RT	803.40
1V	127+35.38	31.96' RT	803.15
1W	127+37.98	31.96' RT	803.00
1X*	750+28.33	39.03' RT	802.90
1Y*	750+83.42	36.06' RT	(801.41)

ADA RAMP ELEVATION TABLE

POINT	STATION	OFFSET	ELEV.
2A*	750+91.82	30.70' LT	(800.51)
2B*	750+75.55	29.16' LT	800.89
2C*	750+65.43	28.22' LT	801.00
2D*	750+51.05	27.04' LT	800.78
2E	128+09.97	31.92' RT	800.70
2F	128+15.83	31.92' RT	800.61
2G	128+20.83	31.92' RT	800.71
2H	128+25.83	31.93' RT	(800.81)
2I	128+25.83	26.93' RT	800.74
2J	128+20.83	26.92' RT	800.64
2K	128+15.83	26.92' RT	800.54
2L	128+15.82	24.58' RT	800.38
2M	128+15.82	23.00' RT	800.38
2N	128+15.82	0.00'	800.79
2O	128+09.82	0.00'	801.00
2P	128+09.82	23.29' RT	800.60
2Q	128+09.82	24.93' RT	800.60
2R	128+09.82	26.91' RT	800.62
2S	128+06.39	26.51' RT	800.58
2T	128+05.31	25.75' RT	800.58
2U	128+02.78	31.78' RT	800.69
2V	128+03.87	31.78' RT	800.69
2W*	750+51.43	21.05' LT	800.83
2X*	750+65.25	22.19' LT	800.93
2Y*	750+75.30	24.11' LT	800.82
2Z*	750+91.94	25.52' LT	(800.42)

(XXX.XX) DENOTES ELEVATION SHALL MATCH EXISTING

* DENOTES SLADE AVE STATION AND OFFSET

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PLOT DATE = 11/5/2024 1:04:19 PM
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50 YEARS
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CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
ADA DETAIL SHEETS

SCALE: 1" = 5' | SHEET 12 OF 12 SHEETS | STA. 127+50 TO STA. 128+10

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	89

CONTRACT NO. 61K68

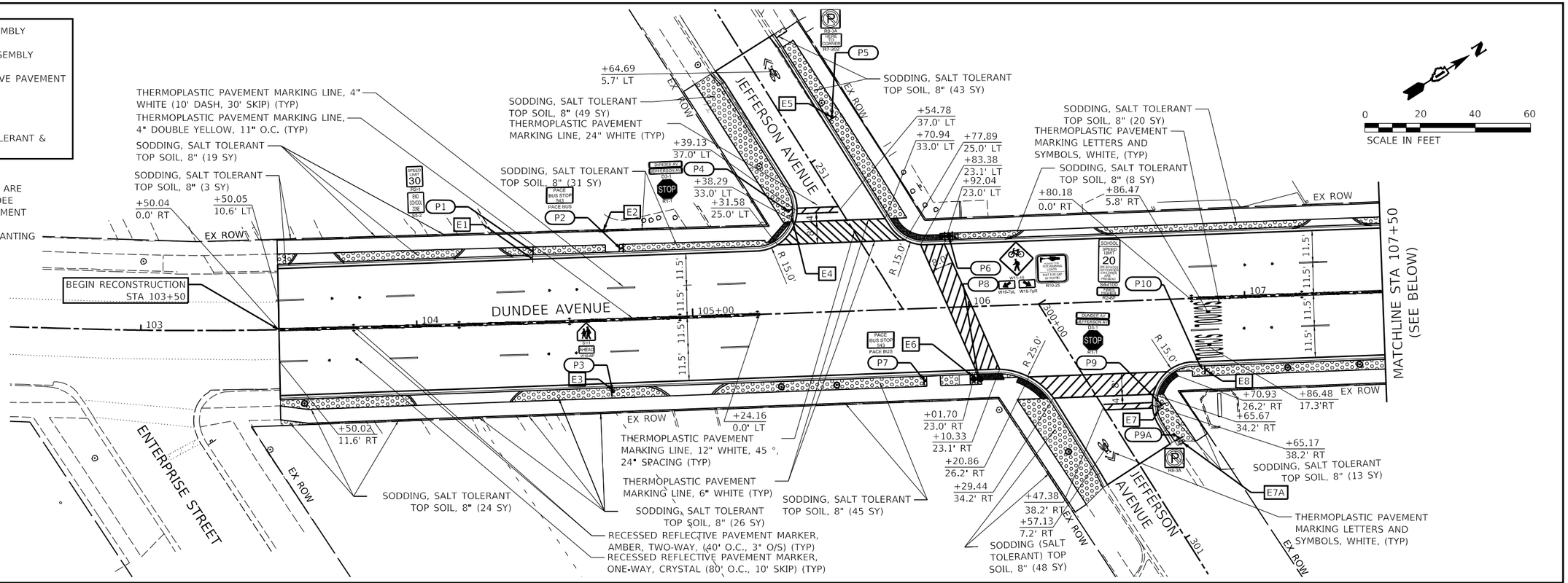
ILLINOIS | FED. AID PROJECT

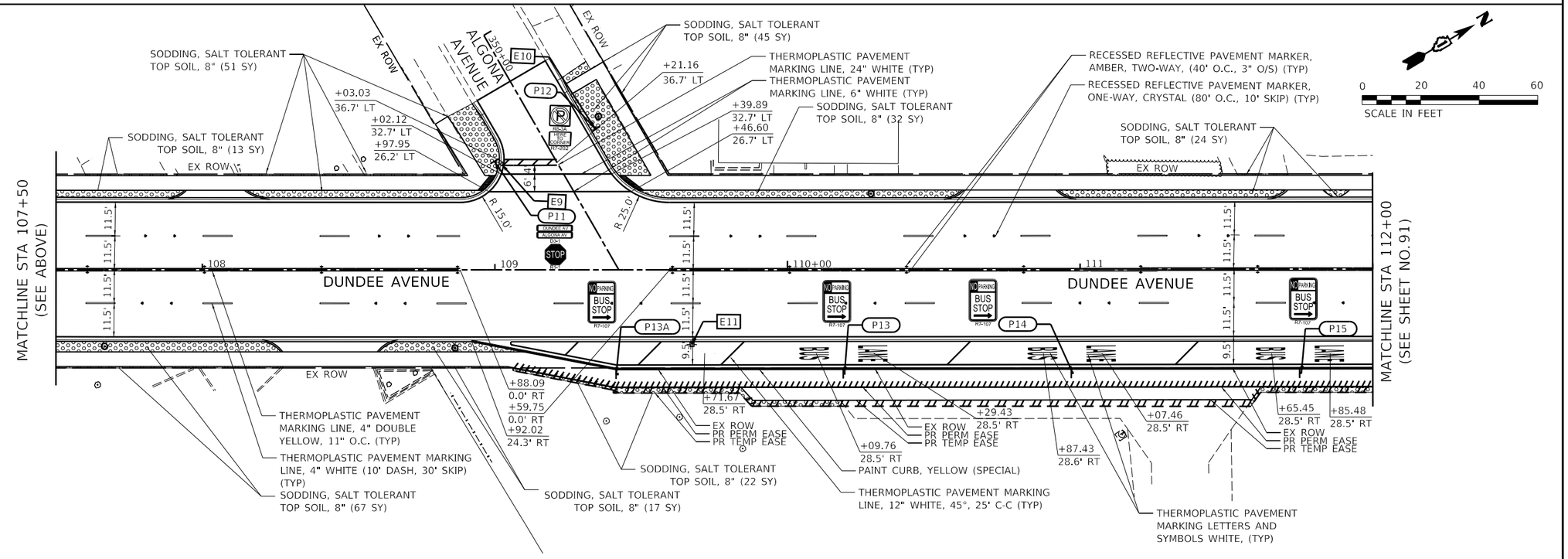
LEGEND

- E — EXISTING SIGN ASSEMBLY
- P — PROPOSED SIGN ASSEMBLY
- RECESSED REFLECTIVE PAVEMENT MARKER
- PROPOSED TREE
- SODDING , SALT TOLERANT & TOPSOIL, 8"

NOTES

1. ALL STATION AND OFFSETS ARE REFERENCED TO THE DUNDEE AVENUE CENTERLINE ALIGNMENT
2. SEE SHEET 21 FOR TREE PLANTING SCHEDULE.





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Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

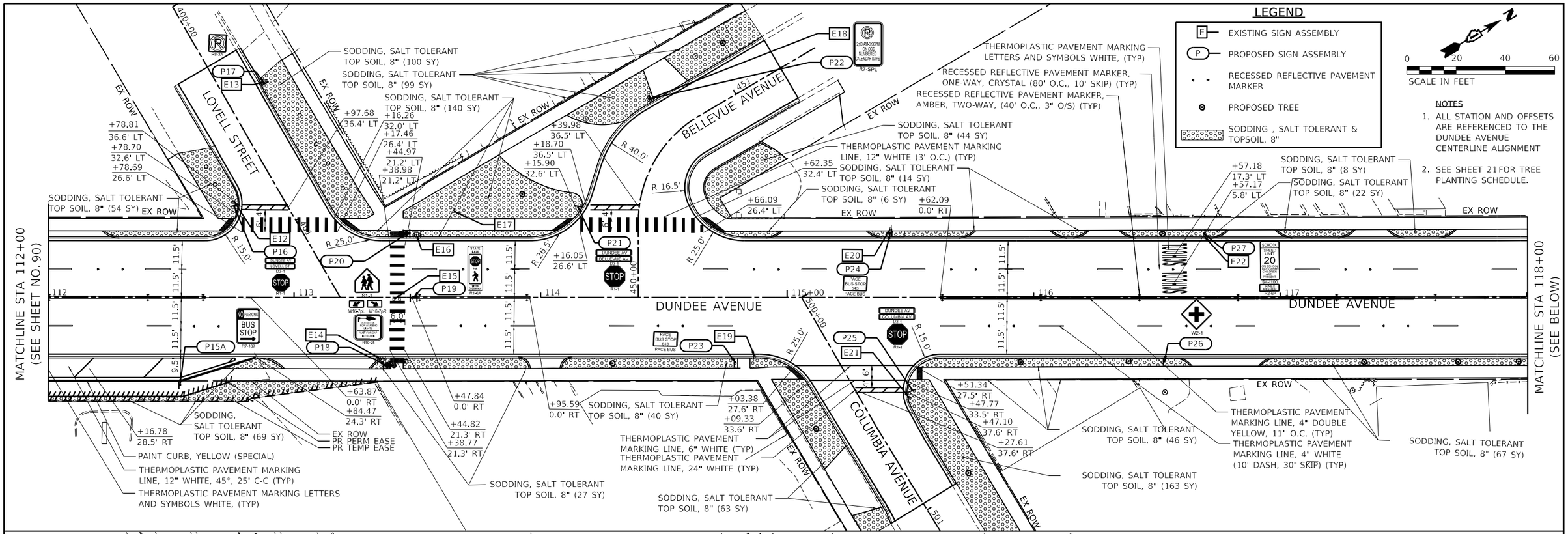
DESIGNED -	REVISED -		
DRAWN -	REVISED -		
CHECKED -	REVISED -		
DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
PAVEMENT MARKING, LANDSCAPING, AND SIGNING PLAN

SCALE: 1" = 20' | SHEET 1 OF 3 SHEETS | STA. 103+50 TO STA. 112+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	90
		CONTRACT NO. 61K68		
	ILLINOIS	FED. AID PROJECT		



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Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
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CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

DESIGNED -	REVISED -		
DRAWN -	REVISED -		
CHECKED -	REVISED -		
DATE -	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
PAVEMENT MARKING, LANDSCAPING, AND SIGNING PLAN

SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. 112+00 TO STA. 124+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	91
		CONTRACT NO. 61K68		
		ILLINOIS FED. AID PROJECT		

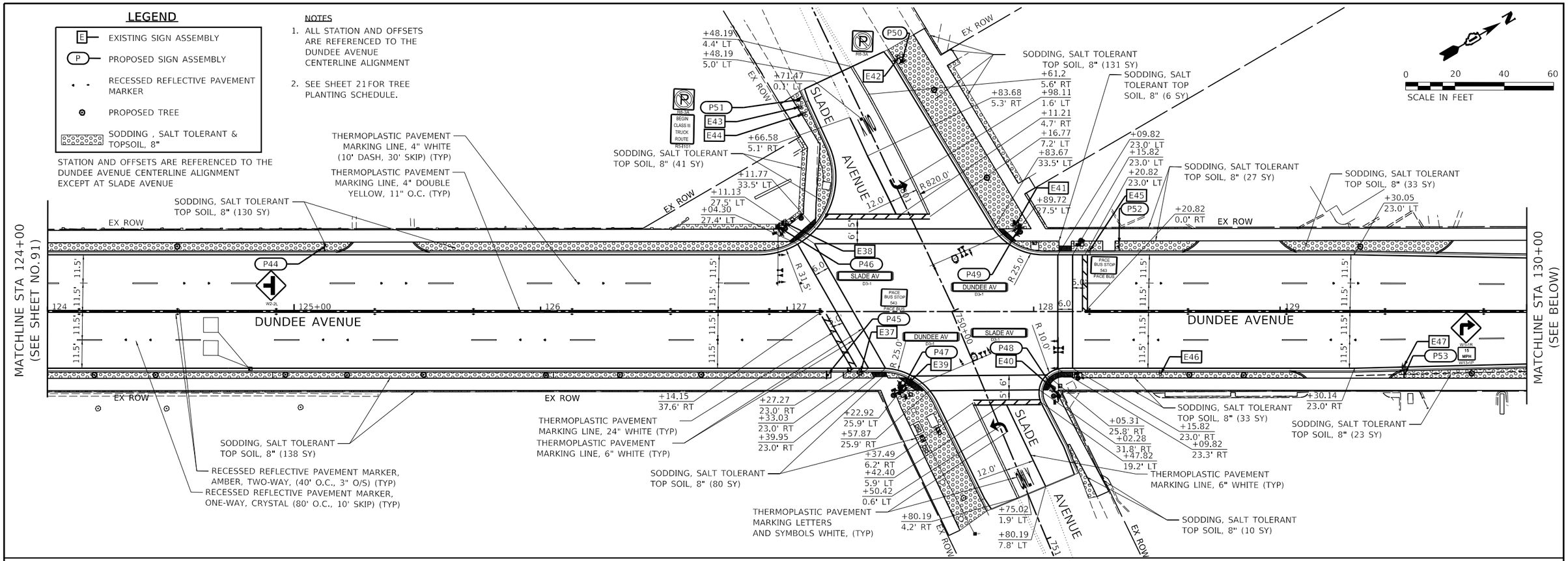
LEGEND

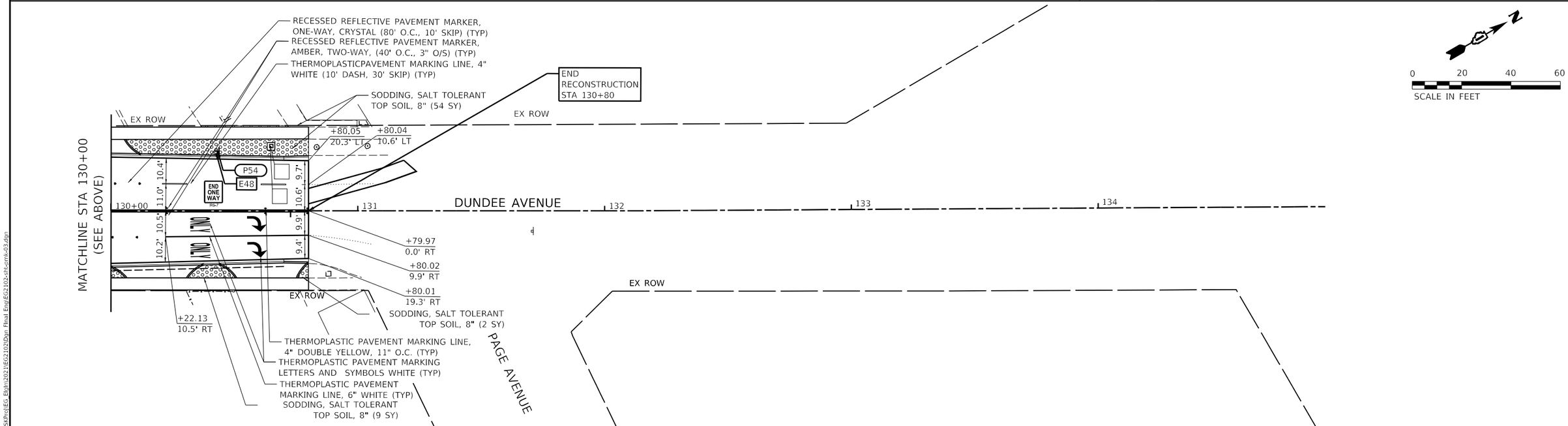
- E — EXISTING SIGN ASSEMBLY
- P — PROPOSED SIGN ASSEMBLY
- RECESSED REFLECTIVE PAVEMENT MARKER
- PROPOSED TREE
- SODDING , SALT TOLERANT & TOPSOIL, 8"

STATION AND OFFSETS ARE REFERENCED TO THE DUNDEE AVENUE CENTERLINE ALIGNMENT EXCEPT AT SLADE AVENUE

NOTES

1. ALL STATION AND OFFSETS ARE REFERENCED TO THE DUNDEE AVENUE CENTERLINE ALIGNMENT
2. SEE SHEET 21 FOR TREE PLANTING SCHEDULE.





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Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	CITY OF ELGIN 150 DEXTER COURT ELGIN, IL. 60120	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DUNDEE AVENUE PAVEMENT MARKING, LANDSCAPING, AND SIGNING PLAN
		DRAWN -	REVISED -		
		CHECKED -	REVISED -		
		DATE -	REVISED -		SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 124+00 TO STA. 130+80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	92
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	

EXISTING NO.	STATION	OFFSET	LT/RT	FACING TRAFFIC	COLOR	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	SIGN TYPE	MOUNT TYPE	72400100 REMOV SIN PAN ASSY TA (EA)	72400200 REMOV SIN PAN ASSY TB (EA)	72400310 REMOV SIGN PANEL T1 (SF)	X7240500 RELOC EX SIGNS (EA)	Z0051398 REM EX SIGN POST (EA)	89502400 REM EX FB INSTAL COMP (EA)
DUNDEE AVENUE																
E1	104+42	23.3'	LT	SB	WHITE	24	30	5.0	R2-1	POST MOUNT	1.0					
E2	104+69	32.3'	LT	SB	WHITE	18	18	2.3	PACE BUS	POST MOUNT	1.0					
E3	104+70	25.5'	RT	NB	YELLOW	30	30	6.3	S1-1	UTILITY MOUNT			6.3			
E3	104+70	25.5'	RT	NB	YELLOW	24	12	2.0	W16-9P	UTILITY MOUNT			2.0			
E4	105+37	35.4'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT		1.0				
E4	105+37	35.4'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E4	105+37	35.4'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E4	105+37	35.4'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E4	105+37	35.4'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT						
JEFFERSON AVENUE (WEST)																
E5	250+90	15.2'	LT	WB	WHITE	12	12	1.0	R8-3A	POST MOUNT	1.0					
E5	250+90	15.2'	LT	WB	WHITE	12	6	0.5	R7-202	POST MOUNT						
DUNDEE AVENUE																
E6	106+01	25.4'	RT	NB	WHITE	18	18	2.3	PACE BUS	POST MOUNT	1.0					
E7	106+67	39.8'	RT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT		1.0				
E7	106+67	39.8'	RT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E7	106+67	39.8'	RT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E7	106+67	39.8'	RT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E7	106+67	39.8'	RT	WB	RED	30	30	6.3	R1-1	POST MOUNT						
JEFFERSON AVENUE (EAST)																
E7A	300+70	17.1'	LT	WB	WHITE	12	12	1.0	R8-3A	UTILITY MOUNT			1.0			
DUNDEE AVENUE																
E8	106+85	26.2'	RT	NB	WHITE/YELLOW	24	48	8.0	S4-I100	POST MOUNT	1.0					
E9	109+02	36.0'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT		1.0				
E9	109+02	36.0'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E9	109+02	36.0'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E9	109+02	36.0'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E9	109+02	36.0'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT						
ALGONA AVENUE																
E10	350+47	17.2'	LT	WB	WHITE	12	12	1.0	R8-3A	POST MOUNT	1.0					
E10	350+47	17.2'	LT	WB	WHITE	12	6	0.5	R7-202	POST MOUNT						
DUNDEE AVENUE																
E11	109+67	25.5'	RT	NB	WHITE	12	18	1.5	R7-SPL	UTILITY MOUNT			1.5			
E12	112+76	38.8'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT		1.0				
E12	112+76	38.8'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E12	112+76	38.8'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E12	112+76	38.8'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E12	112+76	38.8'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT						
LOVELL AVENUE																
E13	400+45	17.3'	LT	WB	WHITE	12	12	1.0	R8-3A	POST MOUNT			1.0			
DUNDEE AVENUE																
E14	113+35	25.4'	RT	NB	YELLOW	30	30	6.3	S1-1	PED POST MOUNT						1.0
E14	113+35	25.4'	RT	NB	YELLOW	21	15	2.2	W16-7PL	PED POST MOUNT						
E14	113+35	25.4'	RT	SB	YELLOW	30	30	6.3	S1-1	PED POST MOUNT						
E14	113+35	25.4'	RT	SB	YELLOW	21	15	2.2	W16-7PR	PED POST MOUNT						
E14	113+35	25.4'	RT	SB	WHITE	9	12	0.8	R10-25	PED POST MOUNT						
E15	113+40	0.9'	RT	NB	WHITE	12	36	3.0	R1-6A	IN-STREET						
E15	113+40	0.9'	RT	SB	WHITE	12	36	3.0	R1-6A	IN-STREET						
E15	113+40	0.9'	RT	NB	WHITE	12	36	3.0	R1-6A	IN-STREET						
E15	113+40	0.9'	RT	SB	WHITE	12	36	3.0	R1-6A	IN-STREET						
E16	113+50	25.6'	LT	NB	YELLOW	30	30	6.3	S1-1	PED POST MOUNT						1.0
E16	113+50	25.6'	LT	NB	YELLOW	21	15	2.2	W16-7PR	PED POST MOUNT						
E16	113+50	25.6'	LT	SB	YELLOW	30	30	6.3	S1-1	PED POST MOUNT						
E16	113+50	25.6'	LT	SB	YELLOW	21	15	2.2	W16-7PL	PED POST MOUNT						
E16	113+50	25.6'	LT	NB	WHITE	9	12	0.8	R10-25	PED POST MOUNT						
E17	113+65	34.9'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT		1.0				
E17	113+65	34.9'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E17	113+65	34.9'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E17	113+65	34.9'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E17	113+65	34.9'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT						
BELLEVUE AVENUE																
E18	450+72	17.6'	LT	WB	WHITE	12	18	1.5	R7-SPL	UTILITY MOUNT			1.5			

EXISTING NO.	STATION	OFFSET	LT/RT	FACING TRAFFIC	COLOR	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	SIGN TYPE	MOUNT TYPE	72400100 REMOV SIN PAN ASSY TA (EA)	72400200 REMOV SIN PAN ASSY TB (EA)	72400310 REMOV SIGN PANEL T1 (SF)	X7240500 RELOC EX SIGNS (EA)	Z0051398 REM EX SIGN POST (EA)	89502400 REM EX FB INSTAL COMP (EA)
DUNDEE AVENUE																
E19	114+87	24.0'	RT	NB	WHITE	18	18	2.3	PACE BUS	POST MOUNT	1.0					
E20	115+42	27.8'	LT	SB	WHITE	18	18	2.3	PACE BUS	POST MOUNT	1.0					
E21	115+50	40.6'	RT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT		1.0				
E21	115+50	40.6'	RT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E21	115+50	40.6'	RT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E21	115+50	40.6'	RT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E21	115+50	40.6'	RT	WB	RED	30	30	6.3	R1-1	POST MOUNT						
E22	116+69	24.9'	LT	SB	WHITE/YELLOW	24	48	8.0	S4-I100	POST MOUNT	1.0					
E23	118+78	23.0'	RT	NB	WHITE	24	30	5.0	R6-2R	UTILITY MOUNT			5.0			
E23	118+78	23.0'	RT	SB	WHITE	24	30	5.0	R6-2L	UTILITY MOUNT			5.0			
E24	118+79	25.5'	LT	SB	YELLOW	30	30	6.3	S1-1	POST MOUNT	1.0					
E24	118+79	25.5'	LT	SB	YELLOW	24	12	2.0	W16-9P	POST MOUNT						
E25	118+89	37.1'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT	1.0					
LINCOLN AVENUE (EAST)																
E26	550+38	17.4'	RT	EB	WHITE	24	30	5.0	R6-6	POST MOUNT	1.0					
LINCOLN AVENUE (WEST)																
E27	600+72	21.1'	RT	EB	WHITE	12	18	1.5	R7-11	UTILITY MOUNT			1.5			
DUNDEE AVENUE																
E28	119+45	26.2'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT	1.0					
E28	119+45	26.2'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E28	119+45	26.2'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E28	119+45	26.2'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E29	119+90	22.6'	RT	NB	WHITE	24	30	5.0	R2-1	UTILITY MOUNT			5.0			
E30	120+56	35.8'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT		1.0				
E30	120+56	35.8'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E30	120+56	35.8'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E30	120+56	35.8'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E30	120+56	35.8'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT						
DUNCAN AVENUE																
E30A	650+90	14.5'	RT	NB	WHITE	12	12	1.0	R8-3A	UTILITY MOUNT			1.0			
DUNDEE AVENUE																
E31	122+59	24.4'	RT	NB	WHITE	18	18	2.3	PACE BUS	POST MOUNT	1.0					
E32	122+67	23.2'	RT	NB	BROWN	12	18	1.5	AMERICAN LEGION (R)	UTILITY MOUNT			1.5			
CHESTER AVENUE																
E33	700+36	23.4'	RT	EB	WHITE	12	18	1.5	R7-11	POST MOUNT	1.0					
E34	700+66	21.0'	LT	NB	BRASS	24	36	6.0	SPECIAL	POST MOUNT				1.0		
DUNDEE AVENUE																
E35	123+19	37.3'	RT	NB	BROWN	36	6	1.5	D3-1 -SPL	POST MOUNT		1.0				
E35	123+19	37.3'	RT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E35	123+19	37.3'	RT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E35	123+19	37.3'	RT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E35	123+19	37.3'	RT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT						
E35	123+19	37.3'	RT	WB	RED	30	30	6.3	R1-1	POST MOUNT						
E36	123+57	24.9'	LT	SB	BROWN	12	18	1.5	AMERICAN LEGION (L)	POST MOUNT	1.0					
E37	127+30	24.8'	RT	NB	WHITE	18	18	2.3	PACE BUS	PED POST MOUNT			2.3			
E38	126+96	34.4'	LT	SB	GREEN	36	12	3.0	D3-1	MAST ARM MOUNT			3.0			
E39	127+49	29.0'	RT	EB	GREEN	36	12	3.0	D3-1	MAST ARM MOUNT			3.0			
E40	128+08	31.2'	RT	NB	GREEN	36	12	3.0	D3-1	MAST ARM MOUNT			3.0			
E41	127+93	35.2'	LT	WB	GREEN	36	12	3.0	D3-1	MAST ARM MOUNT			3.0			
SLADE AVENUE (WEST)																
E42	800+53	23.2'	LT	WB	WHITE	12	12	1.0	R8-3A	LIGHT MOUNT			1.0			
E43	800+54	21.7'	RT	EB	WHITE	12	12	1.0	R8-3A	LIGHT MOUNT			1.0			
E44	800+57	21.5'	RT	EB	WHITE	12	18	1.5	R5-I101	UTILITY MOUNT			1.5			
E44	800+57	21.5'	RT	EB	WHITE	24	12	2.0	R3-6X	UTILITY MOUNT			2.0			
DUNDEE AVENUE																
E45	128+23	24.6'	LT	SB	WHITE	18	18	2.3	PACE BUS	POST MOUNT		1.0				
E46	128+51	25.4'	RT	NB	N/A	0	0	0.0	POST ONLY	POST MOUNT					1.0	
E47	129+50	22.4'	RT	NB	YELLOW	36	36	9.0	W1-1R	UTILITY MOUNT			9.0			
E47	129+50	22.4'	RT	NB	YELLOW	18	18	2.3	W13-1P	UTILITY MOUNT			2.3			
E48	130+42	23.5'	LT	SB	WHITE	24	30	5.0	R6-7	UTILITY MOUNT			5.0			
										TOTAL	16.0	9.0	68.3	1.0	1.0	2.0

PROPOSED NO.	STATION	OFFSET	LT/RT	FACING TRAFFIC	COLOR	WIDTH	HEIGHT	AREA	SIGN TYPE	MOUNT TYPE	72000100 SIGN PANEL T1	72400500 RELOC SIN PAN ASSY TA	72400600 RELOC SIN PAN ASSY TB	72400710 RELOC SIGN PANEL T1	X7280105 TELES STL SIN SUP SPL	73100100 BASE TEL STL SIN SUPP	X1400326 R R FL BEACON A COMP
						(IN)	(IN)	(SF)			(SF)	(EA)	(EA)	(SF)	(FT)	(EA)	(EA)
DUNDEE AVENUE																	
P1	104+43	26.0'	LT	SB	WHITE	24	30	5.0	R2-1	POST MOUNT				5.0	15.0	1.0	
P1	104+43	26.0'	LT	SB	WHITE	24	30	5.0	S5-2	POST MOUNT	5.0						
P2	104+69	26.0'	LT	SB	WHITE	18	18	2.3	PACE BUS	POST MOUNT		1.0					
P3	104+70	26.0'	RT	NB	YELLOW	30	30	6.3	S1-1	POST MOUNT	6.3				15.0	1.0	
P3	104+70	26.0'	RT	NB	YELLOW	24	12	2.0	W16-9P	POST MOUNT	2.0						
P4	105+36	37.0'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT			1.0		15.0	1.0	
P4	105+36	37.0'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P4	105+36	37.0'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P4	105+36	37.0'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P4	105+36	37.0'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT							
JEFFERSON AVENUE (WEST)																	
P5	250+90	15.0'	LT	WB	WHITE	12	12	1.0	R8-3A	POST MOUNT		1.0			15.0	1.0	
P5	250+90	15.0'	LT	WB	WHITE	12	6	0.5	R7-202	POST MOUNT							
DUNDEE AVENUE																	
P6	105+94	26.0'	LT	SB	YELLOW	36	36	9.0	W11-15	PED POST MOUNT							1.0
P6	105+94	26.0'	LT	SB	YELLOW	21	15	2.2	W16-7PL	PED POST MOUNT							
P6	105+94	26.0'	LT	NB	YELLOW	36	36	9.0	W11-15	PED POST MOUNT							
P6	105+94	26.0'	LT	NB	YELLOW	21	15	2.2	W16-7PR	PED POST MOUNT							
P6	105+94	26.0'	LT	NB	WHITE	9	12	0.8	R10-25	PED POST MOUNT							
P7	105+99	27.0'	RT	NB	WHITE	18	18	2.3	PACE BUS	POST MOUNT		1.0					
P8	105+96	26.0'	RT	NB	YELLOW	36	36	9.0	W11-15	PED POST MOUNT							1.0
P8	105+96	26.0'	RT	NB	YELLOW	21	15	2.2	W16-7PL	PED POST MOUNT							
P8	105+96	26.0'	RT	SB	YELLOW	36	36	9.0	W11-15	PED POST MOUNT							
P8	105+96	26.0'	RT	SB	YELLOW	21	15	2.2	W16-7PR	PED POST MOUNT							
P8	105+96	26.0'	RT	NB	WHITE	9	12	0.8	R10-25	PED POST MOUNT							
P9	106+68	37.8'	RT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT			1.0		15.0	1.0	
P9	106+68	37.8'	RT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P9	106+68	37.8'	RT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P9	106+68	37.8'	RT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P9	106+68	37.8'	RT	WB	RED	30	30	6.3	R1-1	POST MOUNT							
JEFFERSON AVENUE (EAST)																	
P9A	300+67	17.2'	LT	WB	WHITE	12	12	1.0	R8-3A	POST MOUNT				1.0	15.0	1.0	
DUNDEE AVENUE																	
P10	106+85	26.0'	RT	NB	WHITE/YELLOW	24	48	8.0	S4-I100	POST MOUNT	8.0				15.0	1.0	
P10	106+85	26.0'	RT	NB	WHITE	24	18	3.0	R2-6P	POST MOUNT	3.0						
P11	109+00	36.7'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT			1.0		15.0	1.0	
P11	109+00	36.7'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P11	109+00	36.7'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P11	109+00	36.7'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P11	109+00	36.7'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT							
ALGONA AVENUE																	
P12	350+47	17.1'	LT	WB	WHITE	12	12	1.0	R8-3A	POST MOUNT		1.0			15.0	1.0	
P12	350+47	17.1'	LT	WB	WHITE	12	6	0.5	R7-202	POST MOUNT							
DUNDEE AVENUE																	
P13A	109+41	35.5'	RT	NB	WHITE	12	18	1.5	R7-107	SW POST MOUNT	1.5				13.0	1.0	
P13	110+19	35.5'	RT	NB	WHITE	12	18	1.5	R7-107	SW POST MOUNT	1.5				13.0	1.0	
P14	110+97	35.5'	RT	NB	WHITE	12	18	1.5	R7-107	SW POST MOUNT	1.5				13.0	1.0	
P15	111+75	35.5'	RT	NB	WHITE	12	18	1.5	R7-107	SW POST MOUNT	1.5				13.0	1.0	
P15A	112+54	35.5'	RT	NB	WHITE	12	18	1.5	R7-107	SW POST MOUNT	1.5				13.0	1.0	
P16	112+76	36.8'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT			1.0		15.0	1.0	
P16	112+76	36.8'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P16	112+76	36.8'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P16	112+76	36.8'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P16	112+76	36.8'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT							
LOVELL AVENUE																	
P17	112+88	87.0'	LT	WB	WHITE	12	12	1.0	R8-3A	POST MOUNT		1.0			15.0	1.0	
DUNDEE AVENUE																	
P18	113+38	27.7'	RT	NB	YELLOW	36	36	9.0	S1-1	PED POST MOUNT							1.0
P18	113+38	27.7'	RT	NB	YELLOW	21	15	2.2	W16-7PL	PED POST MOUNT							
P18	113+38	27.7'	RT	SB	YELLOW	36	36	9.0	S1-1	PED POST MOUNT							
P18	113+38	27.7'	RT	SB	YELLOW	21	15	2.2	W16-7PR	PED POST MOUNT							
P18	113+38	27.7'	RT	SB	WHITE	9	12	0.8	R10-25	PED POST MOUNT							
P19	113+48	0.0'	RT	NB	WHITE	12	36	3.0	R1-6A	IN-STREET							
P19	113+48	0.0'	RT	SB	WHITE	12	36	3.0	R1-6A	IN-STREET							
P19	113+48	0.0'	RT	NB	WHITE	12	36	3.0	R1-6A	IN-STREET							
P19	113+48	0.0'	RT	SB	WHITE	12	36	3.0	R1-6A	IN-STREET							
P20	113+46	25.8'	LT	NB	YELLOW	36	36	9.0	S1-1	PED POST MOUNT							1.0
P20	113+46	25.8'	LT	NB	YELLOW	21	15	2.2	W16-7PR	PED POST MOUNT							
P20	113+46	25.8'	LT	SB	YELLOW	36	36	9.0	S1-1	PED POST MOUNT							
P20	113+46	25.8'	LT	SB	YELLOW	21	15	2.2	W16-7PL	PED POST MOUNT							
P20	113+46	25.8'	LT	LT	WHITE	9	12	0.8	R10-25	PED POST MOUNT							
P21	114+15	36.6'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT			1.0		15.0	1.0	
P21	114+15	36.6'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P21	114+15	36.6'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P21	114+15	36.6'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P21	114+15	36.6'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT							
BELLEVUE AVENUE																	
P22	450+72	17.5'	LT	WB	WHITE	12	18	1.5	R7-SPL	POST MOUNT				1.5	15.0	1.0	

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CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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DRAWN - | REVISED -
CHECKED - | REVISED -
DATE - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
SIGN REPLACEMENT SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	95

CONTRACT NO. 61K68

ILLINOIS | FED. AID PROJECT

USER NAME = JHarvig PLOT SCALE = 1:40
PLOT DATE = 11/5/2024 1:04:32 PM
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FILE NAME: H:\SDSKProj\EG Elgin\2021\EG21102\Dpn Final Eng\EG21102-sht-sch-sch-03.dgn

PROPOSED NO.	STATION	OFFSET	LT/RT	FACING TRAFFIC	COLOR	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	SIGN TYPE	MOUNT TYPE	72000100 SIGN PANEL T1 (SF)	72400500 RELOC SIN PAN ASSY TA (EA)	72400600 RELOC SIN PAN ASSY TB (EA)	72400710 RELOC SIGN PANEL T1 (SF)	X7280105 TELES STL SIN SUPPORT (FT)	73100100 BASE TEL STL SIN SUPP (EA)	X1400326 R R FL BEACON A COMP (EA)
DUNDEE AVENUE																	
P23	114+87	26.5'	RT	NB	WHITE	18	18	2.3	PACE BUS	POST MOUNT		1.0					
P24	115+42	26.0'	LT	SB	WHITE	18	18	2.3	PACE BUS	POST MOUNT		1.0					
P25	115+51	37.4'	RT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT			1.0		15.0	1.0	
P25	115+51	37.4'	RT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P25	115+51	37.4'	RT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P25	115+51	37.4'	RT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P25	115+51	37.4'	RT	WB	RED	30	30	6.3	R1-1	POST MOUNT							
P26	116+62	26.0'	RT	NB	YELLOW	30	30	6.3	W2-1	POST MOUNT	6.3				15.0	1.0	
P27	116+69	26.0'	LT	SB	WHITE/YELLOW	24	48	8.0	S4-I100	POST MOUNT	8.0				15.0	1.0	
P27	116+69	26.0'	LT	SB	WHITE	24	18	3.0	R2-6P	POST MOUNT	3.0						
P28	118+77	26.4'	RT	NB	WHITE	24	30	5.0	R6-2R	POST MOUNT	5.0				15.0	1.0	
P28	118+77	26.4'	RT	SB	WHITE	24	30	5.0	R6-2L	POST MOUNT	5.0						
P29	118+78	26.3'	LT	SB	YELLOW	30	30	6.3	S1-1	POST MOUNT			1.0		15.0	1.0	
P29	118+78	26.3'	LT	SB	YELLOW	24	12	2.0	W16-9P	POST MOUNT							
P30	118+87	37.4'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT				6.3	15.0	1.0	
P30	118+87	37.4'	LT	EB	WHITE	36	36	9.0	R1-5bL	POST MOUNT	9.0						
LINCOLN AVENUE (EAST)																	
P31	550+38	15.0'	RT	EB	WHITE	24	30	5.0	R6-6	POST MOUNT				5.0	15.0	1.0	
LINCOLN AVENUE (WEST)																	
P32	600+71	17.3'	RT	EB	WHITE	12	18	1.5	R7-11	POST MOUNT				1.5	15.0	1.0	
DUNDEE AVENUE																	
P33	119+48	26.0'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT			1.0		15.0	1.0	
P33	119+48	26.0'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P33	119+48	26.0'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P33	119+48	26.0'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P34	119+90	26.0'	RT	NB	WHITE	24	30	5.0	R2-1	POST MOUNT				5.0	15.0	1.0	
P34	119+90	26.0'	RT	NB	WHITE	24	30	5.0	S5-2	POST MOUNT	5.0						
P35	120+21	26.0'	LT	SB	YELLOW	30	30	6.3	W2-1	POST MOUNT	6.3				15.0	1.0	
P36	120+59	37.2'	LT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT			1.0		15.0	1.0	
P36	120+59	37.2'	LT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P36	120+59	37.2'	LT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P36	120+59	37.2'	LT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P36	120+59	37.2'	LT	EB	RED	30	30	6.3	R1-1	POST MOUNT							
DUNCAN AVENUE																	
P36A	650+74	15.6'	RT	NB	WHITE	12	12	1.0	R8-3A	POST MOUNT				1.0	15.0	1.0	
DUNDEE AVENUE																	
P37	121+30	26.0'	RT	NB	YELLOW	30	30	6.3	W2-2R	POST MOUNT	6.3				15.0	1.0	
P38	122+47	26.0'	RT	NB	WHITE	18	18	2.3	PACE BUS	POST MOUNT		1.0					
P39	122+60	26.0'	RT	NB	BROWN	12	18	1.5	AMERICAN LEGION (R)	POST MOUNT				1.5	15.0	1.0	
CHESTER AVENUE																	
P40	700+36	23.4'	RT	EB	WHITE	12	18	1.5	R7-11	POST MOUNT	1.5				15.0	1.0	
P41	700+66	21.0'	LT	NB	BRASS	36	36	9.0	SPECIAL	POST MOUNT							
DUNDEE AVENUE																	
P42	123+20	37.5'	RT	NB	BROWN	36	6	1.5	D3-1 -SPL	POST MOUNT			1.0		15.0	1.0	
P42	123+20	37.5'	RT	EB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P42	123+20	37.5'	RT	WB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P42	123+20	37.5'	RT	NB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P42	123+20	37.5'	RT	SB	GREEN	36	6	1.5	D3-1	POST MOUNT							
P42	123+20	37.5'	RT	WB	RED	30	30	6.3	R1-1	POST MOUNT							
P42	123+20	37.5'	RT	WB	WHITE	36	36	9.0	R1-5bL	POST MOUNT	9.0						
P43	123+75	26.0'	LT	SB	BROWN	12	18	1.5	AMERICAN LEGION (L)	POST MOUNT				1.5	15.0	1.0	
P44	125+12	26.0'	LT	SB	YELLOW	30	30	6.3	W2-2L	POST MOUNT	6.3				15.0	1.0	
P45	127+24	26.0'	RT	NB	WHITE	18	18	2.3	PACE BUS	POST MOUNT				2.3	15.0	1.0	
P46	126+96	34.4'	LT	SB	GREEN	12	36	3.0	D3-1	MAST ARM MOUNT				3.0			
P47	127+46	32.9'	RT	EB	GREEN	12	36	3.0	D3-1	MAST ARM MOUNT				3.0			
P48	128+10	34.0'	RT	NB	GREEN	12	36	3.0	D3-1	MAST ARM MOUNT				3.0			
P49	127+94	34.4'	LT	WB	GREEN	12	36	3.0	D3-1	MAST ARM MOUNT				3.0			
SLADE AVENUE (WEST)																	
P50	800+55	23.7'	LT	WB	WHITE	12	12	1.0	R8-3A	LIGHT MOUNT				1.0			
P51	800+51	20.8'	RT	EB	WHITE	12	12	1.0	R8-3A	LIGHT MOUNT				1.0			
P51	800+51	20.8'	RT	EB	WHITE	12	18	1.5	R5-I101	LIGHT MOUNT				1.5			
DUNDEE AVENUE																	
P52	127+27	26.0'	LT	SB	WHITE	18	18	2.3	PACE BUS	POST MOUNT		1.0					
P53	129+51	25.5'	RT	NB	YELLOW	36	36	9.0	W1-1R	POST MOUNT				9.0	15.0	1.0	
P53	129+51	25.5'	RT	NB	YELLOW	18	18	2.3	W13-1P	POST MOUNT				2.3			
P54	130+44	24.0'	LT	SB	WHITE	30	36	7.5	R6-7	POST MOUNT	7.5				15.0	1.0	
											109.8	9.0	10.0	58.3	590.0	40.0	4.0

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CITY OF ELGIN
150 DEXTER COURT
ELGIN, IL. 60120

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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUNDEE AVENUE
SIGN REPLACEMENT SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	96
		CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	T	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RX	RX
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G ◄Y ◄G P	R Y G ◄Y ◄G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G ◄Y ◄G P RB	R Y G ◄Y ◄G P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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USER NAME = footemj	DESIGNED - IP	REVISED -	
	DRAWN - IP	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2525	20-00189-00-PV	KANE	184	97
	TS-05	CONTRACT NO. 61K68		
		ILLINOIS	FED. AID PROJECT	

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

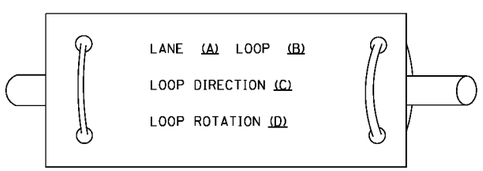
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

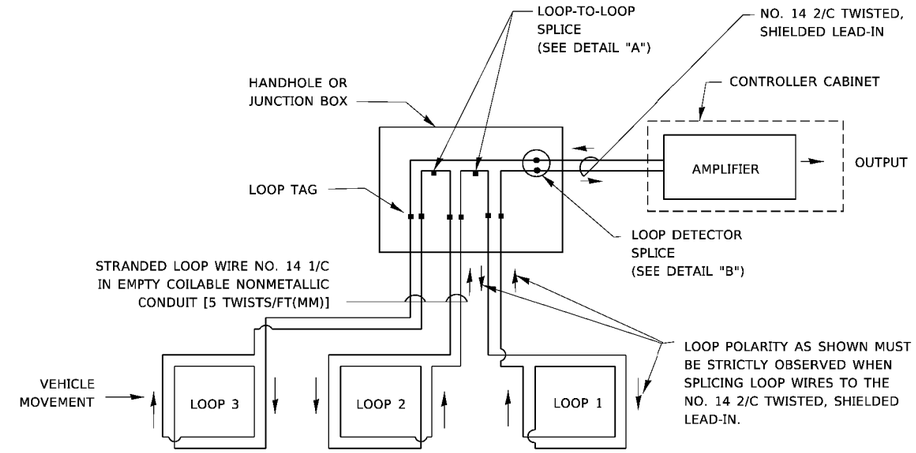


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

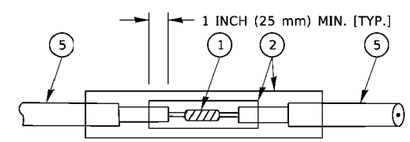
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

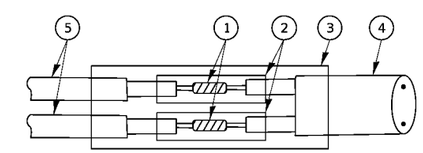


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

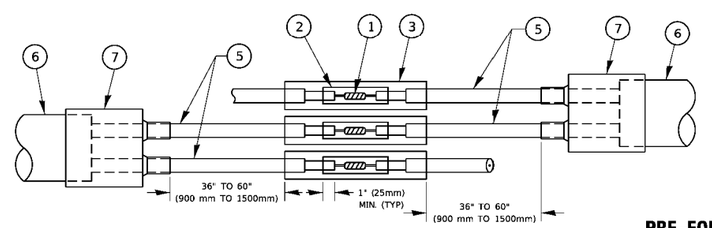


DETAIL "A"
LOOP-TO-LOOP SPLICE



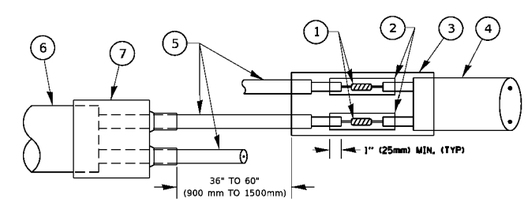
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



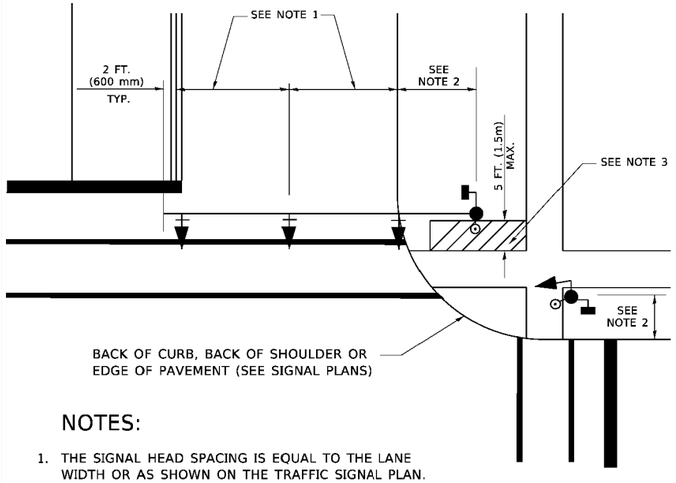
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

1. WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
2. WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
3. WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
6. XL POLYOLEFIN 2 CONDUCTOR
7. BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

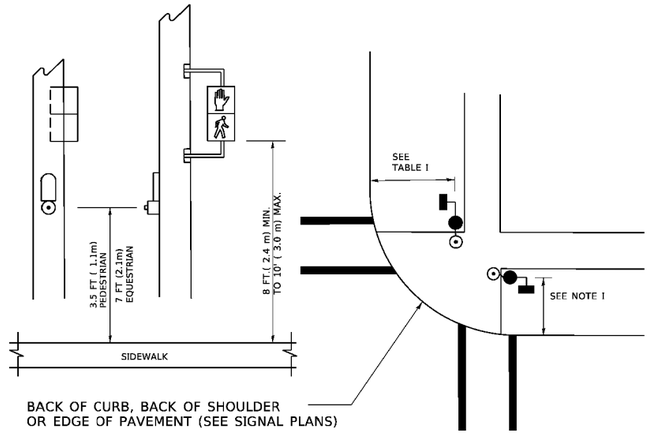
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

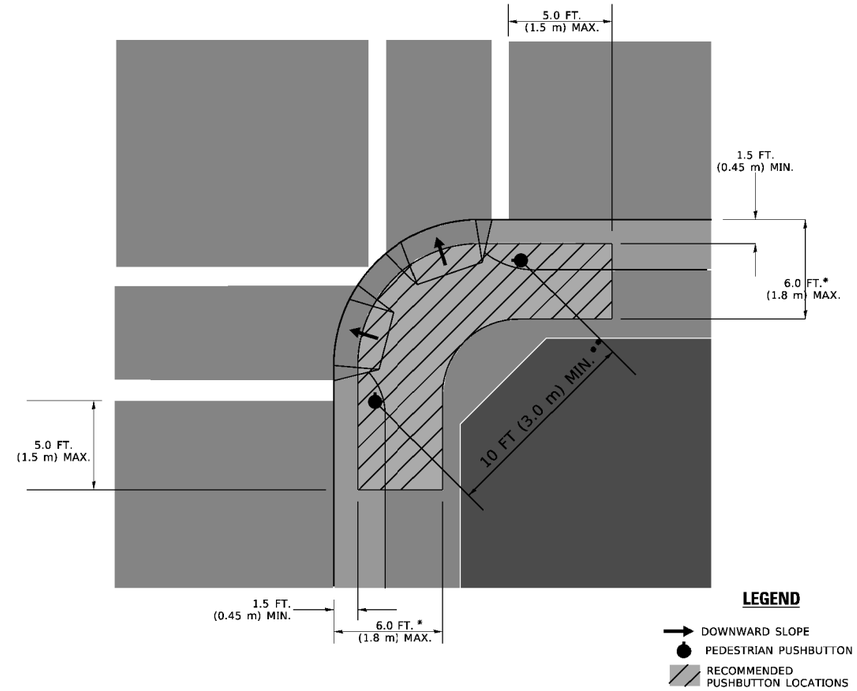
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

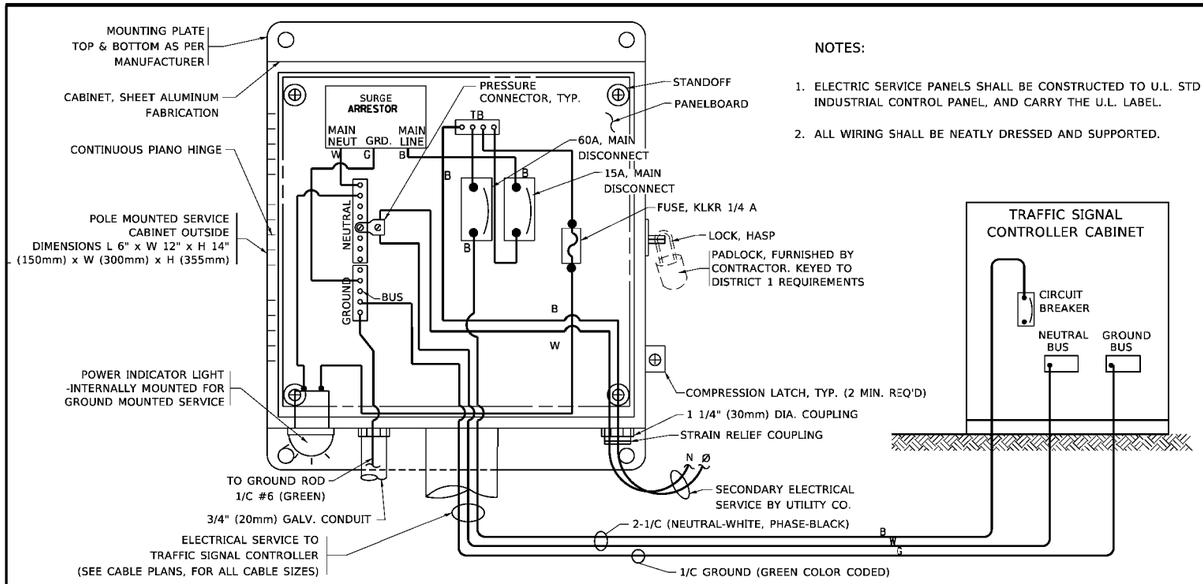
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.



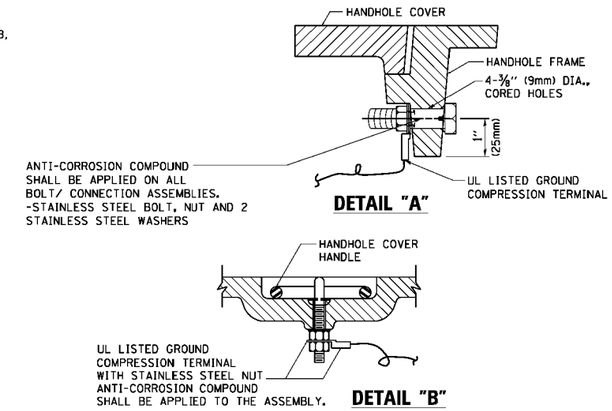
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

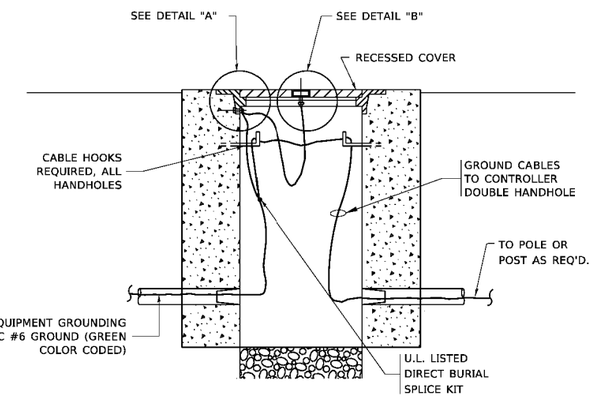
(NOT TO SCALE)



NOTES:

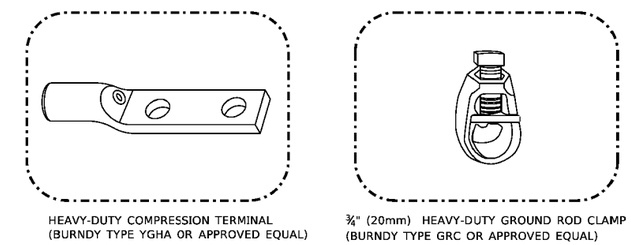
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



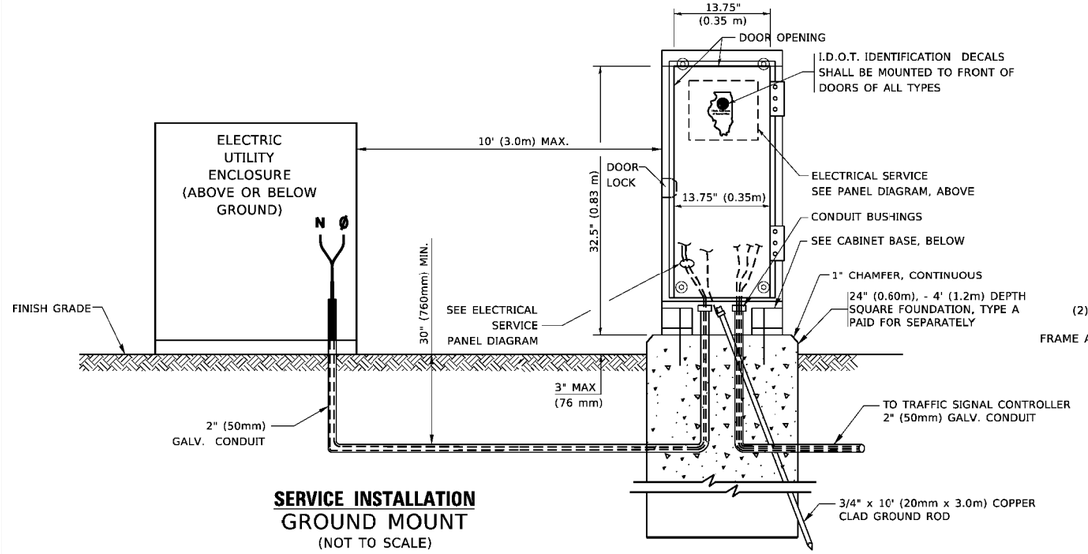
HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



NOTES:

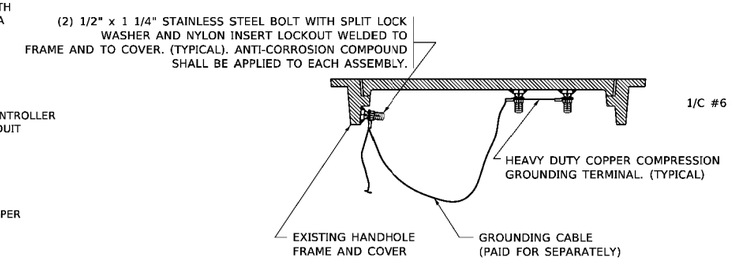
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION

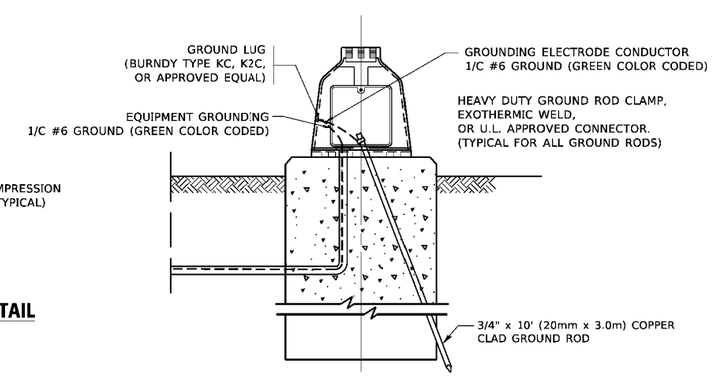
GROUND MOUNT

(NOT TO SCALE)



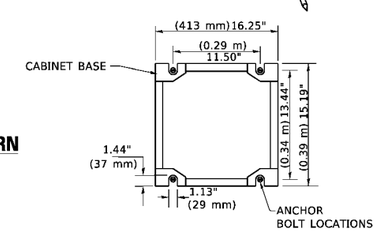
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)



CABINET – BASE BOLT PATTERN

(NOT TO SCALE)

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Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
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	PLOT DATE = 3/4/2019	DATE -	REVISED -		SCALE: NONE / SHEET 4 OF 7 SHEETS / STA. TO STA.			ILLINOIS FED. AID PROJECT	