

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	1
ILLINOIS		CONTRACT NO. 61G30		

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
FINAL SUBMITTAL



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED date 11/25/19
Paul D. [Signature]
CITY OF EVANSTON, DIRECTOR OF PUBLIC WORKS AGENCY

PASSED date 12-11-19
C. [Signature]
DISTRICT I ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW December 12, 2019
Anthony J. [Signature]
REGIONAL ENGINEER

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]*
PROJECT MANAGER, DIV. OF PROJECT DEVELOPMENT

APPROVED: *[Signature]*
PROJECT DIRECTOR, DIV. OF PROJECT DEVELOPMENT

APPROVED: *[Signature]*
MANAGING DEPUTY, DIV. OF PROJECT DEVELOPMENT

APPROVED: *[Signature]*
DEPUTY COMMISSIONER, DIV. OF ENGINEERING

APPROVED: *[Signature]*
THOMAS CARNEY, ACTING COMMISSIONER

DATE: November 26th, 2019

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SEE SHEET 2

INDEX OF STATE STANDARDS

SEE SHEET 2

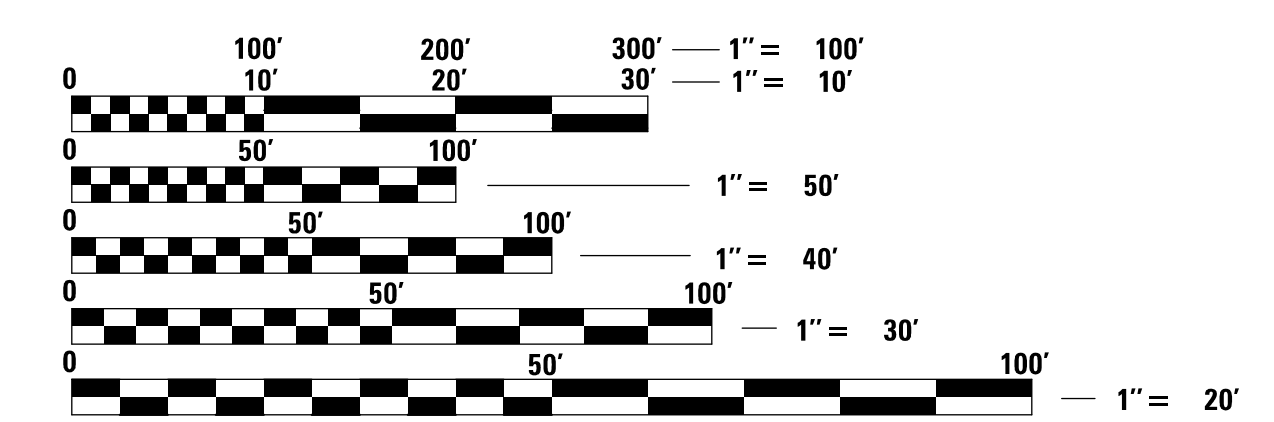
PROFESSIONAL AND STRUCTURAL
ENGINEERING SEALS & SIGNATURES

SEE SHEET 2

03-06-2020 LETTING ITEM 160

TRAFFIC DATA

HOWARD STREET
DESIGN DESTINATION: MAJOR COLLECTOR
POSTED SPEED = 30 MPH
TRAFFIC HOWARD STREET = 21,500



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.

PROJECT IS LOCATED IN THE CITY OF EVANSTON AND CITY OF CHICAGO

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST TELEPHONE C.U.A.N. AT (312) 744-7000 FOR UNDERGROUND UTILITY LOCATIONS

EVANSTON SR. PROJECT MANAGER:

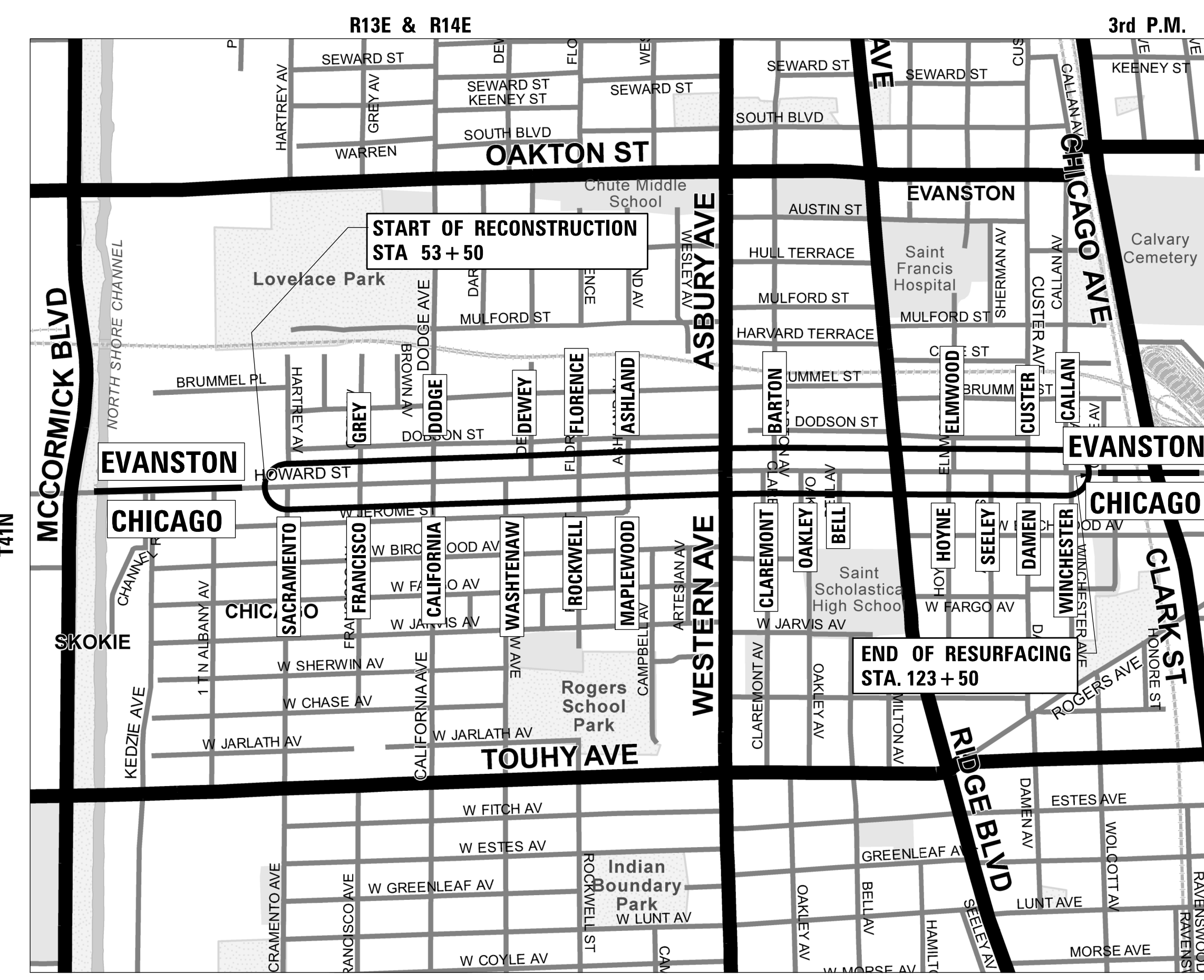
SAT NAGAR, PE
CONSULTANT PROJECT MANAGER:
MIKE KERR, PE
MARTIN MICHALOWICZ, PE

CONTRACT NO. 61G30

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OF THE STATE OF ILLINOIS

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/21



LOCATION MAP
N.T.S.

GROSS LENGTH = 7,000 FT = 1.33 MILES
NET LENGTH = 7,000 FT = 1.33 MILES

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

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**PROFESSIONAL AND STRUCTURAL
ENGINEERING SEALS & SIGNATURES**

THIS CERTIFIES THAT THESE DRAWINGS HAVE BEEN REVIEWED TO THE BEST OF MY KNOWLEDGE AND THAT I BELIEVED THEY ARE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA), AND ALL CODES AND BUILDING ORDINANCES OF THE CITY OF CHICAGO, STATE OF ILLINOIS



Katrina Ballado

KATRINA BALLADO
LICENSED ENGINEER



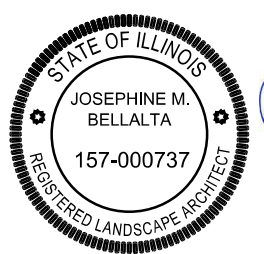
Katrina Ballado 12/17/19

KATRINA BALLADO
ILLINOIS REGISTRATION No. 062-061610
EXPIRATION DATE: 11/2021
APPLIES TO SHEETS 168 TO 239



Martin L. Michalowicz Dec 19, 2019

MARTIN L. MICHALOWICZ
ILLINOIS REGISTRATION No. 062-059502
EXPIRATION DATE: 11/2021



Josephine M. Bellalta Dec 17, 2019

JOSEPHINE M. BELLALTA
ILLINOIS REGISTRATION No. 157-000737
EXPIRATION DATE: 08/31/21
APPLIES TO SHEETS 144 TO 167

FILE NAME = N:\EVANSTON\190121\Civ1\CVR_190121_02.shd	USER NAME = mmichalowicz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT PROFESSIONAL AND STRUCTURAL ENGINEERING SEALS AND SIGNATURES	F.A. RTE. = 1334	SECTION = 17-00281-00-RS	COUNTY = COOK	TOTAL SHEETS = 270	SHEET NO. = 2		
Default	PLOT SCALE = 1/23/2020	CHECKED - MEK	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61G30			
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

GENERAL NOTES

1. MAILBOXES SHALL BE RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AS COORDINATED WITH THE LOCAL POSTAL AUTHORITY.
2. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE CITY OF EVANSTON REFERENCE DATUM (GPS OBSERVED). ADD 579.01 TO THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH NAVD '88 (GEOID 12B) VERTICAL DATUM. SUBTRACT 0.57 FROM THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH THE CITY OF CHIAGO (1935 ADJUSTMENT) VERTICAL DATUM.
3. PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE CITY DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED.
4. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER, AND CABLE TELEVISION FACILITIES. (48 HOURS NOTICE REQUIRED) THE CONTRACTOR SHALL ALSO CALL C.U.A.N. AT 1-312-744-7000 FOR UNDERGROUND UTILITY LOCATIONS WITHIN THE CITY OF CHICAGO LIMITS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING THE CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
6. UNLESS AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY CONTRACTOR.
7. DURING THE CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS
8. ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES.
9. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT OR PROPOSED FULL-DEPTH RECONSTRUCTION) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
10. SOME QUANTITIES ARE GIVEN IN BOTH SUMMARY FORM AND ON THE PLAN SHEETS. CARE SHOULD BE TAKEN TO AVOID DUPLICATION OF QUANTITIES.
11. THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.
12. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ANY OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME.
13. CTA TRAFFIC PLANNING MUST BE NOTIFIED AT LEAST 30 DAYS IN ADVANCE OF THE TIME THAT CONSTRUCTION WILL COMMENCE.

TRAFFIC.PLANNING@TRANSITCHICAGO.COM
OR
JOE OSOWSKI, TRAFFIC ANALYST 312-681-4151
PACE CONTACT
DETOUR@PACEBUS.COM
OR
STEVE FARRELL, 847-228-3707

EROSION CONTROL GENERAL NOTES:

1. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMITS ILR10 AND ILR40.
2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
4. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED, ALL ERODIBLE/ BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING IF A

TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.

5. STOCKPILES AND MATERIAL STORAGE ARE PROHIBITED IN SPECIAL MANAGEMENT AREAS INCLUDING WETLANDS, WETLAND BUFFERS, AND FLOOD PLAINS. LOCATION OF STOCKPILE MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.
6. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED TO THE SATISFACTION OF THE ENGINEER.
7. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
8. ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED OR AS DIRECTED BY THE ENGINEER.
9. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNTS OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
10. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
11. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF FILTER DEVICE.
12. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
13. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
14. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING ½ INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS.

ROADWAY EXCAVATION NOTES:

1. ALL EXISTING CULVERTS, STORM SEWERS, OR DRAINAGE STRUCTURES MARKED FOR REMOVAL ON THE PLANS OF DESIGNATED IN THE FIELD BY THE ENGINEER TO BE REMOVED AND ANY EXCAVATION SHALL BE BACKFILLED WITH A GRANULAR MATERIAL MEETING THE SPECIFICATIONS FOR FA-1 OR FA-2.
2. ALL EXISTING GRANULAR AND HOT-MIX ASPHALT PAVEMENT TO BE REMOVED AND NOT PAID AS A SPECIFIC ITEM SHALL BE CONSIDERED EARTH EXCAVATION. THE CONTRACTOR WILL HAVE THE OPTION OF REMOVING THE EXISTING HOT-MIX ASPHALT PAVEMENT BY GRINDING OR EXCAVATION. IF THE HOT-MIX ASPHALT PAVEMENT IS REMOVED BY EXCAVATION, IT MAY NOT BE USED IN EMBANKMENT AREAS UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. HOT- MIX ASPHALT PAVEMENT REMOVED BY GRINDING MAY BE USED AS EMBANKMENT MATERIAL. NO HOT-MIX ASPHALT PAVEMENT SHALL BE REMOVED IN AREAS TO BE USED FOR TEMPORARY ROADWAY.
3. THE CONTRACTOR SHALL NOT CROSS COMPLETED BASE COURSE OR EXISTING PAVEMENT, NOT SCHEDULED TO BE REMOVED, WITH TRACK EQUIPMENT OR LOADED SCRAPERS.
4. ALL EMBANKMENTS AND SUB-GRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING AGGREGATE SUBGRADE OR SUB-BASE GRANULAR MATERIAL. THE CONTRACTOR SHALL NOT CROSS COMPLETED BASE COURSE OR EXISTING PAVEMENT, NOT SCHEDULED TO BE REMOVED, WITH TRACK EQUIPMENT OR LOADED SCRAPERS.

HMA SURFACE AND HMA BASE COURSE NOTES:

1. HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, BASE COURSE, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
2. HOT-MIX ASPHALT BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN BACK FILLED TO THE SATISFACTION OF THE ENGINEER.

STORM SEWERS, STRUCTURES, AND UTILITIES NOTES:

1. THE CONTRACTOR SHALL MAINTAIN CONVEYANCE OF ALL FLOWS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS

FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS CULVERTS AND OTHER DRAINAGE FACILITIES. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGED THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME THAT THE PERMANENT DRAINAGE FACILITIES ARE IN SERVICE.

2. THE STATION/OFFSET/ ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE ELEVATION INDICATES RIM GRADES.
3. PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS, THE CONTRACTORS SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE CITY DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES SO THAT THEIR FACILITIES MAYBE BE LOCATED AND ADJUSTED OR MOVED
4. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OR BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER, AND CABLE TELEVISION FACILITIES. (48 HOURS NOTICE REQUIRED)
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND 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 OF THE CITY. THIS WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
6. ADJUSTMENT OF STRUCTURES MAINTAINED BY OTHER AGENCIES SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY MAINTAINING THE STRUCTURE INVOLVED.
7. ALL MANHOLES AND INLETS SHALL HAVE POURED INVERTS.
8. TRENCHES CROSSING TRAFFIC LANES SHALL BE TEMPORARILY PATCHED WITH FOUR (4) INCHES OF HOT-MIX ASPHALT BASE COURSE.

WATER MAIN NOTES:

1. WATER MAIN SHALL BE INSTALLED AT A MINIMUM DEPTH OF 5.5' BELOW FINISHED GRADE AND NO DEEPER THAN 8' FROM FINISHED GRADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE CITY OF EVANSTON WATER MAIN SHALL BE A MIN OF 18" ABOVE SANITARY AND STORM SEWERS AND A MIN. OF 10' OF HORIZONTAL CLEARANCE FROM FACE OF WATER MAIN TO FACE OF SANITARY AND STORM SEWERS.
2. SERVICE LINES SHALL HAVE A MINIMUM OF 5.5' COVER AND A MAXIMUM OF 8' COVER. SERVICE LINES SHALL BE A MINIMUM OF 18" ABOVE SANITARY OR STORM SEWERS. COUPLINGS SHALL NOT BE INSTALLED UNDER PAVEMENT. WHEN INSTALLING A BACK LOOP OVER OR UNDER WATER MAIN, THE LOOP SHALL HAVE A MAXIMUM OF A 4' RADIUS.
3. CHANGES IN DIRECTION OF WATER MAIN SHALL BE INSTALLED WITH APPROVED RETAINER FITTINGS AND THRUST BLOCKING.
4. WATER MAIN SHALL NOT BE SLEEVED OR ENCASED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE CITY OF EVANSTON.
5. ALL WATER MAIN SHALL BE WRAPPED. THE WRAPPING SHALL BE INSTALLED PER MANUFACTURER GUIDELINES. AFTER THE WRAPPING HAS BEEN REMOVED TO INSTALL SERVICE TAPS LATERAL CONNECTION, ETC. THE WATER MAIN SHALL BE RE-WRAPPED WATER TIGHT USING BLACK VINYL TAPE MEETING ASTM D1000.
6. TESTING OF NEW WATER MAIN PRIOR TO FINAL ACCEPTANCE BY THE CITY SHALL BE IN ACCORDANCE WITH SECTION 41-2.13 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS AND THE SPECIAL PROVISIONS WITHIN THE CONTRACT DOCUMENTS. PRESSURE TESTING SHALL INCLUDE HYDRANTS BY PRESSURE TESTING AGAINST THE INTERNAL VALVE OF HYDRANT
7. FOR WATER MAIN SHUT OFFS, THE CONTRACTOR SHALL NOT OPERATE ANY WATER VALVES THE CONTRACTOR SHALL GIVE THE CITY A MINIMUM OF 48 HOURS NOTICE THE CITY SHALL PROVIDE NOTIFICATION FORMS AND DETERMINE THE LIMIT OF THE AFFECTED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF THE NOTIFICATION FORMS TO ALL AFFECTED RESIDENTS. BUSINESS OWNERS AT LEAST 24 HOURS IN ADVANCE OF THE SHUT OFF.
8. NON-PREFORMED MASTIC SHALL BE USED BETWEEN ALL VALVE VAULT SECTIONS INCLUDING FROM THE TOP OF CONE OR FLAT TOP SECTIONS TO BOTTOM OF FRAME, AND ALL ADJUSTING RINGS. VALVES SHALL BE ALIGNED TO THE CENTER OF THE VAULT FRAME SECTION.
9. A WOOD STAKE 2 INCH BY 4 INCH BY 6 FEET LONG WITH NOT LESS THAN THE TOP 2 FEET PAINTED BLUE SHALL BE INSTALLED NEXT TO EACH VAULT, SERVICE BOX, AND VALVE BOX IN THE PARKWAY THE STAKE SHALL BE MAINTAINED IN AN UPRIGHT POSITION UNTIL CITY ACCEPTANCE.

10. TRENCH BACKFILL QUANTITY FOR WATER MAIN HAS BEEN COMPUTED BASED ON STANDARD DRAWINGS NUMBER ONE AND TWO OF THE STANDARD SPECIFICATIONS FOR WATER SEWER MAIN CONSTRUCTION IN ILLINOIS AND SHALL BE PAID FOR ON THE FOLLOWING BASIS:
6 AND 8 INCH DIAMETER: 0.47/C.Y./L.F.
12 INCH DIAMETER: 0.52/C.Y./L.F.
WATER SERVICE LINE: .19 C./L.F.
11. THE TRENCH DEPTH IS THE DEPTH FROM THE SUBGRADE TO THE TOP OF SERVICE AND ANY REQUIRED BEDDING.

LANDSCAPING NOTES:

1. CONTRACTOR SHALL PROVIDE SPADE EDGED FOR ALL SODDING AREA ABUTTING EXISTING TREES BY MAINTAINING A MINIMUM OF 4' DIAMETER MULCH BED AROUND EACH EXISTING TREE.

FILE NAME =	USER NAME = mmichalowski	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT GENERAL NOTES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 1/21/2020	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

CDOT GENERAL NOTES

1. THESE NOTES PERTAIN TO THE SOUTH SIDE OF HOWARD STREET CONSTRUCTION WITHIN THE CITY OF CHICAGO RIGHT-OF-WAY.
2. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS, AND MATERIALS IN THE FIELD, AND ARRANGE THE NEW WORK TO SUIT REQUIRED CONDITIONS, AS APPROVED BY THE ENGINEER.
3. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE CITY OF EVANSTON REFERENCE DATUM (GPS OBSERVED). ADD 579.01 TO THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH NAVD '88 (GEOID 128) VERTICAL DATUM. SUBTRACT 0.57 FROM THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH THE CITY OF CHIAGO (1935 ADJUSTMENT) VERTICAL DATUM.
4. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR MUST PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE MUST PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH SHALL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE MUST PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH THE SEWERS ARE BUILT AND IN SERVICE. ALL PUMPING MUST ENTER A SETTLING BASIN SYSTEM, APPROVED BY THE ENGINEER, BEFORE PASSING INTO THE EXISTING DRAINAGE SYSTEM.
5. THE CONTRACTOR MUST MAINTAIN THE SURFACE DRAINAGE OF THE ROAD DURING CONSTRUCTION OF THIS PROJECT.
6. THE CITY OF CHICAGO DOES NOT GUARANTEE THE COMPLETENESS OR ACCURACY OF INFORMATION SHOWN ON THE PLANS REGARDING UTILITIES, EITHER PUBLIC OR PRIVATE, SUCH AS SEWERS, MANHOLES, CATCH BASINS, GAS AND WATER MAINS, TELEPHONE AND ELECTRICAL DUCT LINES AND SIMILAR STRUCTURES. THE CONTRACTOR MUST MAKE HIS OWN INVESTIGATION TO DETERMINE THE EXISTENCE, NATURE AND EXACT LOCATION OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENT. THE CONTRACTOR MUST VERIFY THE EXACT LOCATION OF ALL UTILITIES THAT MAY INTERFERE WITH CONSTRUCTION OPERATIONS, AND MUST REPORT TO THE ENGINEER ANY OMISSIONS AND DIFFERENCES FROM THE LOCATIONS SHOWN ON THE PLANS.
7. PRIOR TO STARTING CONSTRUCTION AN INSPECTION OF EXISTING MANHOLES AND CATCH BASINS WILL BE MADE BY THE ENGINEER AND THE CONTRACTOR TO DETERMINE THE AMOUNT OF EXISTING DEBRIS IN THESE STRUCTURES. UPON COMPLETION OF THE CONTRACT, THE CONTRACTOR MUST CLEAN THOSE STRUCTURES WHERE DEBRIS HAS BEEN ADDED DUE TO CONSTRUCTION.
8. ALL LIVE DRAINS MUST BE RECONNECTED TO THE PROPOSED SEWER STRUCTURES. THIS WORK MUST BE IN ACCORDANCE WITH SECTION 550 OF THE STANDARD SPECIFICATIONS.
9. BEFORE COMMENCING CONSTRUCTION, THE CONTRACTOR MUST CHECK THE ELEVATIONS AT THE PROPERTY LINE AND WHERE NEW CONSTRUCTION IS TO MEET EXISTING CURB AND GUTTER, PAVEMENT, DRIVEWAYS AND ALLEY PAVEMENT BEFORE SETTING THE TOP OF CURB ELEVATIONS AND, IF NECESSARY, ALTER THE CURB EXPOSURE AND/OR GUTTER ELEVATION AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING FENCES DURING EXCAVATION AND ANY DAMAGE TO THE FENCES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MUST REPLACE THE DAMAGED FENCE AT HIS EXPENSE.
11. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES THAT ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOTS OR TRUNKS. WHERE TREE IS TO REMAIN, NO EXCAVATION IS PERMITTED MORE THAN ONE FOOT (1') FROM THE BACK OF PROPOSED CURB AND GUTTER. EXCAVATION MUST BE BY HAND IF ROOTS ARE PRESENT.
12. THE CONTRACTOR SHALL OBTAIN A PERMIT TO REMOVE, PLANT, SPRAY OR IN ANY WAY AFFECT THE GENERAL HEALTH OR STRUCTURES OF TREES IN THE PUBLIC WAY. THIS PERMIT MAY BE OBTAINED FROM THE DEPUTY COMMISSIONER OF THE BUREAU OF FORESTRY.
13. ANY REFERENCE TO "STANDARD SPECIFICATIONS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS MUST BE INTERPRETED TO BE THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED APRIL 1, 2016. ALL CONSTRUCTION MUST BE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS OF THE IDOT SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS IN EFFECT ON THE DATE OF INVITATION FOR BIDS, SPECIAL PROVISIONS AS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE DETAILS AND STANDARDS CONTAINED IN THESE PLANS.
14. ALL WATER MAIN AND SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION AND IN ACCORDANCE WITH THE CHICAGO DEPARTMENT OF WATER MANAGEMENT STANDARDS AND SPECIFICATIONS.
15. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE CHICAGO DEPARTMENT OF TRANSPORTATION (CDOT) MUST BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR MUST PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE ENGINEER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
16. PRIOR TO THE START OF WORK, THE CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS FROM THE CITY OF CHICAGO, PRIOR TO COMMENCING CONSTRUCTION. FEES FOR SUCH PERMITS MUST BE PAID FOR BY THE CONTRACTOR AND MUST BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT. SEWER PERMIT MUST BE OBTAINED BY A DRAIN LAYER CURRENTLY LICENSED FROM THE DEPARTMENT OF WATER MANAGEMENT LOCATED AT CITY HALL, 121 N. LASALLE ST. - ROOM 804 CHICAGO, IL 60602. 20. IT IS CALLED TO THE CONTRACTOR'S ATTENTION THAT HE MAY BE REQUIRED TO PAY INSPECTION FEES TO THE VARIOUS DEPARTMENTS OF THE CITY OF CHICAGO.
17. THE LOCATIONS AND ELEVATIONS OF EXISTING SEWERS AND SEWER STRUCTURES SHOWN ON THE PLANS AND PROFILES HAVE BEEN OBTAINED FROM DRAWINGS AND ATLASES AND THE INFORMATION IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING AND PROTECTING ALL SEWERS AND STRUCTURES.
18. 48 HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR MUST CALL C.U.A.N. (CHICAGO UTILITY ALERT NETWORK) AT 1-312-744-7000 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED.
19. THE CONTRACTOR MUST IMMEDIATELY NOTIFY BUREAU OF TRAFFIC ENGINEERING AND OPERATION OF ANY DAMAGE TO CITY OWNED AND MAINTAINED TRAFFIC SIGNS, SIGNS, GUARDRAIL, FENCES, ETC.
20. IN THE CASE OF ANY DISTURBANCE OR DAMAGE TO THE CITY'S SEWER SYSTEM/PRIVATE AND PUBLIC DRAIN CONNECTIONS/SEWER STRUCTURES OR BENCH MONUMENTS DURING CONSTRUCTION BY THE CONTRACTOR, THE CONTRACTOR MUST CONTACT THE DEPARTMENT OF WATER MANAGEMENT IMMEDIATELY AT (312) 747-7892 OR (312) 747-7893. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE AND REPLACE THE DAMAGED FACILITIES AND TO THE SATISFACTION OF THE DEPARTMENT OF WATER MANAGEMENT. THE SEWER FLOW MUST BE MAINTAINED AT ALL TIMES.
21. THE CONTRACTOR MUST PROTECT EXISTING AND NEW UTILITIES WHEN CONSIDERED NECESSARY BY CDOT, BY METHODS APPROVED BY CDOT AND THE CONTRACTOR MUST BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT OR CHANGE TO THE UTILITIES.
22. ALL UNDERGROUND SEWER WORK INCLUDING BUT NOT LIMITED TO STRUCTURE ADJUSTMENTS MUST BE PERFORMED BY A LICENSED DRAIN LAYER UNDER PERMITS AND INSPECTION OF THE DEPARTMENT OF WATER MANAGEMENT
23. OFFSETS AND RIM ELEVATIONS FOR MANHOLES, CATCH BASINS AND INLETS ARE GIVEN AT THE GUTTER FLOW LINE UNLESS NOTED OTHERWISE. GRADES PROVIDED FOR STRUCTURES IN THE PAVEMENT OR SIDEWALK ARE FINISHED GRADES.
24. BRICKS FOR ADJUSTING MUST BE COMMON BRICK OR HIGH STRENGTH (CERTIFIED) BRICK. HOLES IN HIGH STRENGTH BRICK MUST BE FILLED WITH MORTAR. CONCRETE BLOCK WILL NOT BE ACCEPTED.
25. TEMPORARY STEEL PLATES MUST BE PROVIDED AT MANHOLES, CATCH BASINS, AND INLETS TO PREVENT ENTRY OF ASPHALT/DEBRIS INTO THE SEWER SYSTEM. THE COST OF THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED DRAINAGE ITEM. 30. ADJUSTMENTS AND RELOCATIONS OF THE FIRE HYDRANTS WILL BE PERFORMED BY THE DEPARTMENT OF WATER MANAGEMENT.
26. ALL TEMPORARY REGULATORY, WARNING AND GUIDE SIGNS WITHIN THE PROPOSED IMPROVEMENT SHALL BE RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
27. WHENEVER A PORTION OF THE EXISTING SIDEWALK IS REMOVED, THE CONTRACTOR MUST SAWCUT AND REMOVE THE SIDEWALK AS DIRECTED BY THE ENGINEER.
28. ONE-HALF INCH (1/2") THICK EXPANSION JOINTS MUST BE PLACED BETWEEN THE SIDEWALK, AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS AND MANHOLES WHICH EXTEND THROUGH THE SIDEWALK.
29. THE CONTRACTOR MUST SAWCUT THE EXISTING PAVEMENT A MINIMUM DEPTH OF ONE AND ONE-HALF INCHES (1 1/2 ") WITH A CONCRETE SAWING MACHINE, TO PREVENT THE SURFACE FROM SPALLING WHEN THE SURFACE COURSE AND THE BASE COURSE IS BROKEN. THE WORK SHALL BE DONE IN SUCH A MANNER THAT A STRAIGHT JOINT IS SECURED.
30. THE CONTRACTOR MUST MAINTAIN ACCESS TO PRIVATE PROPERTIES DURING THE CONSTRUCTION OPERATIONS. FRONTING BUSINESS PROPERTY OWNERS MUST BE NOTIFIED 72 HOURS IN ADVANCE OF CONSTRUCTION OPERATION WHICH MAY AFFECT THEIR DAILY SCHEDULES. THE CONTRACTOR MUST COORDINATE WORK THROUGH THE ENGINEER TO AVOID ANY UNDUE INCONVENIENCE TO LOCAL BUSINESSES.
31. THE CONTRACTOR MUST FURNISH AND MAINTAIN AUTOMOTIVE VEHICLES. THE CONTRACTOR'S VEHICLES MUST ALWAYS MOVE WITH AND NOT AGAINST OR ACROSS THE FLOW OF TRAFFIC. THESE VEHICLES MUST ENTER OR LEAVE WORK AREAS IN A MANNER WHICH MUST NOT BE HAZARDOUS TO OR INTERFERE WITH NORMAL TRAFFIC AND MUST NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS. PERSONAL VEHICLES MUST NOT BE PERMITTED TO PARK WITHIN THE RIGHT-OF-WAY EXCEPT IN SPECIFIC AREAS DESIGNATED BY THE ENGINEER.
32. THE UTILITY COMPANIES OR THEIR CONTRACTORS MUST PERFORM THE REQUIRED ADJUSTMENT TO THEIR UTILITIES. CONTRACTOR SHALL COORDINATE CONSTRUCTION SCHEDULES WITH THE UTILITY COMPANIES.
33. CONTRACTOR SHALL RECEIVE ENGINEER'S APPROVAL PRIOR TO REMOVAL OF EXISTING SHRUBS. SHRUB REMOVAL SHALL BE COORDINATED WITH ENGINEERING LANDSCAPE MAINTENANCE FOR POSSIBLE TRANSPLANTING.
34. ALL ELECTRICAL WORK IS TO BE COORDINATED WITH CDOT DIVISION OF ENGINEERING, ATTN MR. DAN GRIGAS AT 30 N. LASALLE ST, CHICAGO, IL 60602, (312) 744-4608. THE CONTRACTOR MUST COORDINATE HIS WORK WITH THE CITY OF CHICAGO FORCES AND PUBLIC UTILITY COMPANIES AND TO COOPERATE FULLY IN ALL MATTERS AFFECTING THE WORK TO BE DONE BY OTHERS.
35. RECORDS OF THE DEPARTMENT OF WATER MANAGEMENT DISCLOSING EXISTING SEWERS/DRAIN CONNECTIONS/STRUCTURES/BENCH MONUMENT LOCATIONS/ORDINANCE GRADES/AGE OF SEWERS/PIPE MATERIAL ARE AVAILABLE FROM THE DEPARTMENT OF WATER MANAGEMENT LOCATED AT CITY HALL, 121 N. LASALLE ST. - ROOM 804 CHICAGO, IL 60602.
36. IT IS THE RESPONSIBILITY OF THE UTILITY/AGENCY, ITS DESIGNERS AND CONTRACTORS TO OBTAIN NECESSARY INFORMATION FROM DEPARTMENT OF WATER MANAGEMENT RECORDS FOR MEETING DEPARTMENT OF WATER MANAGEMENT REQUIREMENTS IN DESIGN DRAWINGS/CONTRACT PLANS AND DURING CONSTRUCTION STAGE.
37. NEITHER THE CITY NOR THE ENGINEER WILL ASSUME ANY OF THE RESPONSIBILITIES OF THE CONTRACTORS. ADDITIONALLY, NEITHER THE CITY NOR THE ENGINEER WILL ADVISE, OR, ISSUE DIRECTIONS CONCERNING ASPECTS OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND/ OR PROGRAMS IN CONNECTION WITH WORK.
38. THE RESIDENT ENGINEER AND THE CONTRACTOR WILL FIELD-VERIFY THE CITY'S EXISTING SEWER FACILITIES IN THE LIMITS OF THE REFERENCED PROJECTS FOR ANY CONFLICTS DUE TO THE PROPOSED IMPROVEMENTS AND DISCUSS WITH THE DEPARTMENT OF WATER MANAGEMENT IN ADVANCE FOR CONFLICT RESOLUTIONS PRIOR TO THE START OF CONSTRUCTION.
39. WHERE APPLICABLE, A COMBINATION OF DIFFERENT SIZE DETECTABLE WARNING TILES MAY BE USED ON COMPOUND AND LARGE RADII. CONTRACTOR MUST MAKE THIS DETERMINATION IN THE FIELD.
40. RAMPS, SIDEWALK RAMPS FOR THE HANDICAPPED, AS SHOWN IN THE DETAILS, AND DEPRESSED CURBS, MUST BE PROVIDED AT LOCATIONS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. THE MAXIMUM ALLOWABLE RAMP RUNNING SLOPE IS 1:14, MEASURED AT ANY PORTION OF THE RAMP. THE MAXIMUM ALLOWABLE RAMP CROSS SLOPE IS 1:64, MEASURED AT ANY PORTION OF THE RAMP. UTILITIES MAY BE LOCATED IN THE FLARE OF THE RAMP, BUT ARE NOT ALLOWED ON THE RAMP SURFACE OR LANDING AREAS. 10 DAYS PRIOR TO PLACING CONCRETE FOR DEPRESSED CURBS AND RAMPS, THE CONTRACTOR MUST NOTIFY THE ENGINEER AND RECEIVE LAYOUT APPROVAL.
41. MAIN LINE SIDEWALK WILL HAVE A MAXIMUM CROSS SLOPE NOT TO EXCEED 1:64 FOR THE FULL WIDTH OF THE WALK, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
42. ALL DIMENSIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
43. THE ENGINEER WILL DETERMINE THE LIMITS OF ALL ITEMS TO BE REMOVED AND REPLACED. THE VARIOUS ITEMS SHOWN ON THE PLANS TO BE REMOVED AND REPLACED WILL NOT BE USED TO DETERMINE THE FINAL QUANTITIES. FINAL QUANTITIES WILL BE DETERMINED FROM FIELD MEASUREMENTS OF ACTUAL WORK AS DESIGNATED BY THE ENGINEER.
44. PIPE CONNECTIONS TO EXISTING SEWERS MUST BE DONE BY CORING. THE CONTRACTOR MUST SUBMIT DETAIL DRAWINGS OF THIS CORING OPERATION TO THE CHIEF ENGINEER, CITY OF CHICAGO, DEPARTMENT OF WATER MANAGEMENT, FOR APPROVAL. NO WORK WILL BE PERFORMED ON THIS ITEM UNTIL APPROVAL IS RECEIVED. 56. ANY PAVEMENT REMOVAL AND REPLACEMENT OPERATION TO BE PERFORMED DIRECTLY ABOVE A COMED LINE MUST BE CLOSELY COORDINATED WITH COMED. A REPRESENTATIVE MUST BE PRESENT DURING THE PERFORMANCE OF THIS WORK.
45. THE CONTRACTOR MUST SUBMIT A TIME SCHEDULE FOR THE CONSTRUCTION OF THIS PROJECT. THE SCHEDULE MUST INCLUDE THE PERIODS OF TIME IN WHICH THE WORK ITEMS ARE TO BE COMPLETED. PARTICULAR ATTENTION SHOULD BE GIVEN TO REMOVAL AND REPLACEMENT OF CURB AND GUTTER, SIDEWALKS, BUS PADS, ALLEYS AND DRIVEWAYS. ANY OF THE ITEMS REMOVED MUST BE REPLACED IN THE SHORTEST PERIOD OF TIME AND, AT NO TIME, WILL THEIR REPLACEMENT EXCEED TEN (10) WORKING DAYS OR THE NUMBER OF WORKING DAYS GIVEN IN THE APPROVED PROJECT SCHEDULE.
46. EXISTING BUS SHELTERS SHALL BE REMOVED AND REINSTALLED BY THE CHICAGO TRANSIT AUTHORITY AND/OR JC DECAUX PERSONNEL AT THE LOCATIONS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THIS WORK WITH THE CHICAGO TRANSIT AUTHORITY, JC DECAUX AND THE ENGINEER. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING THE REQUIRED PERMITS AND ALL PAYMENTS AND/OR FEES ASSOCIATED WITH THE REMOVAL AND REINSTALLATION OF THE EXISTING BUS SHELTERS. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF PROPOSED SIDEWALK ITEMS.
47. CONTRACTOR MUST CHECK CDOT WEBSITE FOR THE MOST CURRENT ADA DESIGN SHEETS AND DETAILS. IF DESIGN SHEETS OR DETAILS ARE MORE CURRENT THAN THOSE IN THE CONSTRUCTION DOCUMENTS THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER.
48. MANHOLES, CATCH BASINS AND INLETS MUST BE PROTECTED FROM ENTRY OF ASPHALT/DEBRIS INTO THE SEWER SYSTEM DURING CONSTRUCTION. THE CONTRACTOR MUST MARK LOCATIONS OF ALL SEWER STRUCTURES ON THE SIDEWALK BEFORE STARTING PAVEMENT REMOVAL/REPLACEMENT. ALL NECESSARY ADJUSTMENTS TO SEWER FACILITIES, INCLUDING VERTICAL ADJUSTMENT OF FRAMES AND LIDS, MUST BE PERFORMED BY CONTRACTOR PRIOR TO STREET RESURFACING. A PERMIT IS REQUIRED FROM THE SEWER SECTION FOR THE ABOVE-MENTIONED ADJUSTMENT WORK.
49. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST CONTACT: BICYCLE PARKING PROGRAM, 30 N. LASALLE ST., SUITE #500, CHICAGO, IL 60602-2570, 312-744-4600. CDOT REPRESENTATIVE WILL DETERMINE THE LOCATION OF THE BIKE RACKS IN THE PARKWAY AT THE BEGINNING OF THE PROJECT.
50. PAVEMENT MARKINGS OUTSIDE OF THE RESURFACING LIMITS WHICH CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
51. CONTRACTOR SHALL MAINTAIN AT ALL TIMES A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION ON HOWARD AVE, ONE LANE IN EACH PERMITTED DIRECTION ON SIDE STREETS, ACCESS TO BUS STOPS AND AN ADA COMPLIANT PEDESTRIAN ROUTE.
52. CONTRACTOR SHALL NOT EXCAVATE AROUND GAS LINES UNLESS A REPRESENTATIVE OF PEOPLES GAS IS PRESENT. CONTRACTOR SHALL HAND EXCAVATE AROUND ALL GAS LINES.
53. CONTRACTOR SHALL COORDINATE REMOVAL AND REINSTALLATION OF PARKING PAY BOXES WITH PAY BOX OWNER. CONTRACTOR SHALL REMOVE ALL PARKING METERS WITHIN THE PROPOSED SIDEWALK IMPROVEMENTS AS DIRECTED BY THE ENGINEER.
54. FINAL EDGE OF PAVEMENT GRADE SHALL MEET FINAL GUTTER FLAG GRADE. IF CONTRACTOR FAILS TO MEET THIS REQUIREMENT, THE CONTRACTOR SHALL REPAIR THE DEFICIENCIES.
55. USE OF INLETS MUST BE VERIFIED IN THE FIELD BY THE CITY SEWER INSPECTOR PRIOR TO INSTALLATION.
56. THE CONTRACTOR IS RESPONSIBLE FOR THE ADEQUATE PROTECTION OF THE EXISTING SEWERS, DRAIN CONNECTIONS, SEWER STRUCTURES, AND BENCH MONUMENTS DURING CONSTRUCTION OPERATIONS AND USE OF HEAVY EQUIPMENT IS THE LIMITS OF THE PROJECT.
57. THE CONTRACTOR MUST LOCATE AND PROMPTLY AND PROPERLY CONNECT TO THE NEW SEWERS ALL LIVE HOUSE DRAINS, CATCH BASINS DRAINS AND OTHER EXISTING LATERALS, DRAINS AND SEWERS, OF WHATEVER NATURE, WHICH ARE CONNECTED TO THE EXISTING SEWERS BEING REPAIRED OR REPLACED.
58. EXISTING CATCH BASIN LATERALS TO BE REUSED MUST BE RODDED AND FLUSHED IN THE PRESENCE OF THE SEWER UNIT OF THE DWM INSPECTOR. A NEW CONNECTION TO THE MAIN SEWER IS REQUIRED IF THE EXISTING CATCH BASIN LATERAL IS NOT APPROVED BY THE SEWER INSPECTOR.
59. WHEN A SEWER STRUCTURE IS ABANDONED, ALL PIPE OPENINGS MUST BE PLUGGED, STRUCTURES FILLED WITH TRENCH BACK-FILL, LIDS AND FRAMES REMOVED AND SURFACE RESTORED AS PER THE SEWER UNIT OF THE DWM STANDARDS AND SPECIFICATIONS.
60. THE CONTRACTOR IS REQUIRED TO REPLACE ANY BROKEN FRAMES AND LIDS OF SEWER STRUCTURES WITH STANDARD FRAMES AND LIDS OF THE DWM. IN ADJUSTMENT OR RECONSTRUCTION OF SEWER STRUCTURES, ANY NON-STANDARD FRAMES AND LIDS MUST BE REPLACED WITH STANDARD FRAMES AND LIDS. IN ADJUSTMENT OR RECONSTRUCTION OF INLETS, ANY NON- STANDARD INLETS (GUTTER BOXES) MUST BE REPLACED WITH DWM STANDARD INLETS.
61. CITY MANHOLES HAVE SOLID LIDS EXCEPT AT STREET INTERSECTIONS WHERE PERFORATED LIDS ARE USED. PERFORATED CATCH BASINS/MANHOLES GRATES WITH 1/2 -INCH WIDE SLOTS IS THE CURRENT CITYWIDE STANDARD. HOWEVER, IN VIADUCT AREAS, THE "OLD" STANDARDS GRATES WITH THE LARGER 1- 3/4" WIDE SLOTS MUST BE USED.
62. THE FRAMES AND LIDS OF SEWER STRUCTURES TO BE ABANDONED, REMOVED, OR FILLED MUST BE SALVAGED AND DELIVERED TO WATER MANAGEMENT LOCATED AT 3901 S. ASHLAND AVENUE. DELIVERY MUST TAKE PLACE BETWEEN 10:00 AM AND 2:00 PM MONDAY THROUGH FRIDAY. CALL (312) 747-1777 TO ARRANGE FOR DELIVERY.
63. IN LOCATIONS WHERE THE MAIN SEWER IS NOT BEING REPLACED AND THE EXISTING DRAINAGE FACILITIES ARE DISTURBED OR DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE AND REPLACE THE DAMAGED FACILITIES.
64. FLOW RESTRICTORS MUST BE INSTALLED IN ALL CATCH BASINS, OUTSIDE OR THE CENTRAL BUSINESS DISTRICT. FLOW RESTRICTORS MUST NOT BE INSTALLED IN CLOSE PROXIMITY TO VIADUCT AREAS, BUS STOPS OR EMERGENCY ENTRANCES. FLOW RESTRICTORS ARE AVAILABLE FOR PICK-UP AT THE DWM'S CENTRAL DISTRICT, LOCATED AT 3901 S. ASHLAND AVENUE, BY CALLING (312) 747-1777, BETWEEN 7:00AM-3:00PM, 48 HOURS IN ADVANCE. 32 CB'S WITH 3-INCH ORIFICE RESTRICTOR AND 7 CB'S TO REMAIN / TO BE ADJUSTED.
65. UPON PROJECT COMPLETION OF ROADWAY RESURFACING OR RECONSTRUCTION, RESIDENT ENGINEERS MUST CONTACT THE DWM SEWER EVALUATION SECTION AT 312-747-4680 TO SCHEDULE A FIELD MEETING FOR PROJECT ACCEPTANCE (IE. ADDRESS PUNCH LIST ITEMS).
66. UPON PROJECT COMPLETION, THE CONTRACTOR MUST PROVIDE THE SEWER UNIT OF THE DWM, FOR REVIEW AND ACCEPTANCE, ANY REQUIRED DVD OF THE SEWER MAINS.
67. AS-BUILD PLANS OF NEW OR REPLACED SEWERS IN THE PUBLIC RIGHT-OF-WAY MUST BE SUBMITTED TO THE DWM SEWER DESIGN SECTION WITHIN 45 DAYS AFTER COMPLETION OF THE PROJECT AND WILL BE INCLUDED AS A PUNCH LIST ITEM PRIOR TO ACCEPTANCE OF THE PROJECT.
68. THE AS-BUILT PLANS MUST BE SEALED BY A PROFESSIONAL ENGINEER OR REGISTER LAND SURVEYOR AND BE SUBMITTED WITH THE FORM IN APPENDIX II-A SHEET A.23. PLAN AND PROFILE DRAWINGS OF THE SEWERS AND SEWER STRUCTURES MUST BE SUBMITTED IN A FILE FOLDER WITH ONE FILE NAME REFLECTING THE ADDRESSES OF THE PROJECT, WITH STREET NAME FIRST: (E.G. JACKSON ST. 300-500 S.) A HARD COPY OF THE AS-BUILD PLANS MUST ALSO BE SUBMITTED.
69. REFER TO SEWER UNIT OF THE DMW "DETAIL SPECIFICATIONS FOR SEWER CONSTRUCTION, BOOK 3" FOR COMPLETE REQUIREMENTS ON SEWER CONSTRUCTION IN THE PUBLIC WAY BY PRIVATE CONTRACTORS.
70. SUNESYS – EXISTING FACILITIES IN THE AREA; USE EXTREME CAUTION. HAND TRENCH WITHIN 3' OF SUNESYS FACILITIES TO VISUALLY LOCATE, AND A MINIMUM OF 12" CLEARANCE (VERTICAL AND HORIZONTAL) FROM EXISTING SUNESYS FACILITIES IS REQUIRED.
71. COMED – ANY FRAME AND COVER ADJUSTMENTS, PLEASE CONTACT CARLA STRUNGA @ 815-409-8622 OR VIA EMAIL @ CARLA.STRUNGA@COMED.COM AT LEAST 2 MONTHS PRIOR TO CONSTRUCTION START.
72. COMCAST – COMCAST HAS EXISTING UNDERGROUND IN THE AREA. PLEASE PROCEED WITH EXTREME CAUTION, MAKE SURE TO CALL DIGGER PRIOR TO START OF EXCAVATION, USE HAND DIGGING IN THE AREAS WHERE COMCAST FACILITIES ARE MARKED. PLEASE BE NOTED THAT COMCAST RESERVES THE RIGHT TO MAINTAIN, REPLACE AND RELOCATE THEIR FACILITIES.
73. RCN – RCN FACILITIES ARE PRESENT IN THE AREA OF CONSTRUCTION. USE EXTREME CAUTION NEAR ALL RCN FACILITIES. HAND EXCAVATION IS REQUIRED TO LOATE AND EXPOSE FIBER OPTIC FACILITIES PRIOR TO CROSSING AND WHEN WORKING WITHIN 3 FEET OF ALL RCN FACILITEIS. CONTACT DIGGER FOR LOCATES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
74. AT&T – ACCORDING TO EXISTING FACILITY RECORDS, AT&T HAS UNDERGROUND FACILITIES AND STRUCTURES WITHIN THE PROJECT LIMITS AS SHOWN ON THE PROPOSED PLANS. USE CAUTION WHEN DIGGING/TRENCHING/BORING NEAR AT&T FACILITIES IN WORK AREA. LOCATE, PROTECT, AND SUPPORT AS REQUIRED. HAND DIG AROUND AT&T FACILITIES. IF IT IS DETERMINED THAT AT&T FACILITIES NEED TO BE ADJUSTED, IT IS CONTRACTOR'S RESPONSIBILITY TO CONTACT AT&T BEFORE PROCEEDING. PLEASE CONTACT LEGAL MANDATE ENGINEER CHARLES PUNTER AT O: (630) 573-5482 OR E: CP2273@ATT.COM IF PLANS CHANGE OR YOU HAVE QUESTIONS OR COMMENTS.

FILE NAME =	USER NAME = pmagnelli	DESIGNED – MLM	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT CDOT GENERAL NOTES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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MWRD GENERAL NOTES

A. REFERENCED SPECIFICATIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 * CITY OF EVANSTON AND CITY OF CHICAGO MUNICIPAL CODE;
 * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
 * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
- THE CITY OF EVANSTON AND CITY OF CHICAGO ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL I.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE CITY OF EVANSTON REFERENCE DATUM (GPS OBSERVED). ADD 579.01 TO THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH NAVD '88 (GEOID 128) VERTICAL DATUM. SUBTRACT 0.57 FROM THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH THE CITY OF CHICAGO (1935 ADJUSTMENT) VERTICAL DATUM.
- MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- TRENCH MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL SPECIFICATIONS	PIPE SPECIFICATIONS	JOINT
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564

DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE) 2620 (HEAT FUSION)	ASTM D-3350	ASTM D-3261, F-
	ASTM D-3035	ASTM D-3212, F-
477 (GASKETED) WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL SPECIFICATIONS	PIPE SPECIFICATIONS	JOINT
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D-3212, F-477

- ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¾" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.

- NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.

- ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.

- 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) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYVE SADDLE OR HUB-TEE SADDLE.
 b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" COUPLINGS TO HOLD IT FIRMLY IN PLACE.

- WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.

- ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.

- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.

- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.

- ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.

- EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

- A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
 b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

- A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

- CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

- MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.

- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.

- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

- ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).

- VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

- SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

- EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

- THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.

- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

- ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

FILE NAME =	USER NAME = mmichalowski	DESIGNED -- MLM	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT MWRD GENERAL NOTES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\EVANSTON\190121\C1v1\NOT_190121_03.shx		DRAWN -- MEM	REVISED --						1334	17-00281-00-RS	COOK	270	5
Default	PLOT SCALE = 20'	CHECKED -- MEK	REVISED --		CONTRACT NO. 61G30								
	PLOT DATE = 1/7/2020	DATE --	REVISED --		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
Δ	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	138					138			
Δ	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	112					112			
Δ	20101100	TREE TRUNK PROTECTION	EACH	86					86			
Δ	20101200	TREE ROOT PRUNING	EACH	5					5			
Δ	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	40					40			
Δ	20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	40					40			
Δ	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	40					40			
Δ	20101700	SUPPLEMENTAL WATERING	UNIT	2					2			
	20200100	EARTH EXCAVATION	CU YD	5723	1431							4292
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	873	219							654
*	20800150	TRENCH BACKFILL	CU YD	4781	479							4302
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	1055					1055			
*	21301048	EXPLORATION TRENCH 48" DEPTH	FOOT	154								154
*	21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	154								154
Δ	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	30					30			
Δ	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	30					30			
Δ	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	30					30			
Δ	25100115	MULCH, METHOD 2	ACRE	0.24					0.24			

Δ SPECIALTY ITEM

FILE NAME = N:\EVANSTON\190121\CV\1\S00_190121_01.shx	USER NAME = mmschelowsz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES				F.A. RTE. 1334	SECTION 17-00281-00-RS	COUNTY COOK	TOTAL SHEETS 270	SHEET NO. 6
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -						SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/21/2020	DATE -	REVISED -						CONTRACT NO. 61G30				

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	8495	8495							
	44000600	SIDEWALK REMOVAL	SQ.FT	71454	71454							
	44200948	CLASS B PATCHES, TYPE I, 9 INCH	SQ.YD	401								401
	44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ.YD	401								401
	44200962	CLASS B PATCHES, TYPE III, 9 INCH	SQ.YD	401								401
	44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SQ.YD	248.5								248.5
	44201298	DOWEL BARS 1 1/4"	EACH	560	560							
	44201337	CLASS C PATCHES, TYPE I, 9 INCH	SQ.YD	1272	1272							
	44201341	CLASS C PATCHES, TYPE II, 9 INCH	SQ.YD	1272	1272							
	44201345	CLASS C PATCHES, TYPE III, 9 INCH	SQ.YD	1272	1272							
	44201347	CLASS C PATCHES, TYPE IV, 9 INCH	SQ.YD	1272	1272							
	44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ.YD	100	100							
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ.YD	100	100							
	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ.YD	100	100							
	44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ.YD	100	100							
	44213200	SAW CUTS	FOOT	1125								1125
*	55080050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	47						47		
*	55080340	STORM SEWERS, CLASS B, TYPE 2 12"	FOOT	142						142		

Δ SPECIALTY ITEM

FILE NAME =	USER NAME = mmshelovioz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\EVANSTON\198121\Civil\500_198121_03.shd	DRAWN - MEM	REVISED -	1334			17-00281-00-RS	COOK	270	8	
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -			CONTRACT NO. 61G30				
	PLOT DATE = 1/21/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6						6		
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	7						7		
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2						2		
	60249010	VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4						4		
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	43						43		
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	5						5		
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1						1		
*	60255410	CATCH BASINS TO BE CLEANED	EACH	4						4		
	60255500	MANHOLES TO BE ADJUSTED	EACH	1						1		
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	6						6		
	60260100	INLETS TO BE ADJUSTED	EACH	2						2		
	60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	5						5		
	60265900	VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	7						7		
*	60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	1						1		
*	60300410	VALVE BOX FRAMES TO BE ADJUSTED WITH NEW FRAMES	EACH	2						2		
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	6						6		
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	53						53		
	60500050	REMOVING CATCH BASINS	EACH	23						23		
	60600605	CONCRETE CURB, TYPE B	FOOT	276						276		

Δ SPECIALTY ITEM

FILE NAME =	USER NAME = mmschelowiez	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\EVANSTON\190121\Civil\500_190121_05.shx	DRAWN - MEM	REVISED -	1334					17-00281-00-RS	COOK	270	10	
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -					SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/21/2020	DATE -	REVISED -					CONTRACT NO. 61G30				

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	485				485				
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	4472				4472				
Δ	78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ.FT	237				237				
Δ	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	65				65				
Δ	78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	509				509				
Δ	80400100	ELECTRIC SERVICE INSTALLATION	EACH	9							9	
Δ	* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1						
Δ	81028150	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1/2" DIA.	FOOT	135		135						
Δ	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	220							220	
Δ	81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	200							200	
Δ	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	5525		5525						
Δ	81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	1724		1724						
Δ	81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	9100		9100						
Δ	81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	6500		6500						
Δ	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	3		3						
Δ	81400740	DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	10		10						
Δ	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2500		2500						
Δ	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	19700		19700						

Δ SPECIALTY ITEM

FILE NAME = N:\EVANSTON\190121\Civil\500-190121-08.shx	USER NAME = mmichalowicz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20'	DRAWN - MEM	REVISED -					1334	17-00281-00-RS	COOK	270	13
	PLOT DATE = 1/21/2020	CHECKED - MEK	REVISED -					SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 61G30	
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
Δ *	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4						
Δ *	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4		4						
Δ *	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	24		24						
	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		2						
Δ	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	11120		11120						
Δ	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	565		565						
Δ *	89502380	REMOVE EXISTING HANDHOLE	EACH	10		10						
Δ	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	15		15						
Δ *	K1005875	TREE TRANSPLANT	EACH	22					22			
Δ *	X0320024	ETHERNET MANAGE SWITCH	EACH	2							2	
	X0322102	TEMPORARY SIDEWALK RAMP	EACH	20	20							
Δ *	X0322283	VIDEO SURVEILLANCE SYSTEM COMPLETE	EACH	7							7	
Δ *	X0322690	POLE, STEEL, ANCHOR BASE, 10" DIA., 3-GAUGE, 34'-6"	EACH	3		3						
Δ *	X0322708	REMOVE EXISTING STREET LIGHTING EQUIPMENT	EACH	11		11						
Δ *	X0323577	SANITARY SEWER TELEVISION INSPECTION, VIDEOTAPING AND RECORDING	FOOT	557						557		
Δ *	X0323677	STREET SWEEPING	HOUR	850	850							
Δ *	X0323927	MAINTENANCE OF LIGHTING SYSTEM	EACH	8		8						
Δ *	X0324637	BASE COVER, LIGHT POLE	EACH	6		6						

Δ SPECIALTY ITEM

FILE NAME = N:\EVANSTON\190121\Civil\1900_190121_10.sht	USER NAME = mmichalowicz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES				F.A. RTE. 1334	SECTION 17-00281-00-RS	COUNTY COOK	TOTAL SHEETS 270	SHEET NO. 15			
Default	PLOT SCALE = 28'	DRAWN - MEM	REVISED -						SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/21/2020	CHECKED - MEK	REVISED -													
		DATE -	REVISED -													

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
Δ *	X0324900	SERVICE CONNECTION TO CECO LINE	EACH	2		2						
Δ *	X0325479	RELOCATE EXISTING ITS EQUIPMENT TYPE A	EACH	2		2						
*	X0325497	STRUCTURAL REPAIR OF CONCRETE (SPECIAL)	SQ.FT	120	120							
Δ *	X0325922	CELLULAR MODEM	EACH	2							2	
Δ *	X0326092	RELOCATE CLOSED CIRCUIT TELEVISION SURVEILLANCE CAMERA SYSTEM	EACH	2							2	
Δ *	X0326263	EQUIPMENT CABINET	EACH	2		2						
Δ *	X0326326	CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	6250		6250						
Δ *	X0326328	STREET LIGHTING CABLE, 1/C NO. 6, CITY OF CHICAGO STANDARD	FOOT	18785		18785						
Δ *	X0326362	PAINT EXISTING STREET LIGHT/TRAFFIC EQUIPMENT COMPLETE	EACH	48		48						
*	X0326806	WASHOUT BASIN	L SUM	1	1							
*	X0326862	STRUCTURES TO BE ADJUSTED	EACH	113	113							
*	X0326864	BRICK SIDEWALK REMOVAL	SQ.FT	6350	6350							
Δ *	X0326885	VIDEO DETECTION SYSTEM	EACH	2		2						
Δ *	X0326968	JUNCTION BOX, POLE OR POST MOUNTED	EACH	13		13						
Δ *	X0327006	ROADWAY LIGHT POLE, INSTALL ONLY	EACH	1		1						
	X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ.FT	54820				54820				
Δ *	X0840000	SANITARY SEWER REMOVAL 8"	FOOT	286						286		
*	X0934900	MAST ARM, STEEL, MONOTUBE 26 FT.	EACH	3		3						

Δ SPECIALTY ITEM

FILE NAME = N:\EVANSTON\190121\Civil\500_190121_11.sht	USER NAME = mmichelowicz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES	F.A. RTE. 1334	SECTION 17-00281-00-RS	COUNTY COOK	TOTAL SHEETS 270	SHEET NO. 16		
Default	PLOT SCALE = 28'	CHECKED - MEK	REVISED -			SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 1/21/2020	DATE -	REVISED -			CONTRACT NO. 61G30						

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
Δ	*	X0935000 MAST ARM, STEEL, MONOTUBE 30 FT.	EACH	3		3						
Δ	*	X0935100 MAST ARM, STEEL, MONOTUBE 35 FT.	EACH	1		1						
Δ	*	X1200139 REMOVAL OF LIGHTING LUMINAIRE, SALVAGE	EACH	55		55						
Δ	*	X1400084 PEDESTRIAN PUSH-BUTTON POST (CHICAGO)	EACH	3		3						
Δ	*	X1400152 AUDIBLE PEDESTRIAN PUSH-BUTTON SYSTEM CONTROLLER INTERFACE UNIT	EACH	2		2						
Δ	*	X1400238 LUMINAIRE, LED, SPECIAL	EACH	16		16						
Δ	*	X1700001 DRILL EXISTING MANHOLE, HEAVY DUTY HANDHOLE, OR MEDIAN WALL JUNCTION BOX	EACH	11		11						
	*	X2011000 TEMPORARY FENCE (SPECIAL)	FOOT	2670					2670			
	*	X2080250 TRENCH BACKFILL, SPECIAL	CU YD	750	750							
D-1	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	7	7							
D-1	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	98	98							
D-1	X4023000	TEMPORARY ACCESS (ROAD)	EACH	54	54							
	*	X4024100 TEMPORARY ACCESS (WINTERIZE)	SQ YD	200	200							
	*	X4240460 PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	4785	4785							
	*	X4240800 DETECTABLE WARNINGS (SPECIAL)	SQ FT	565			565					
	*	X4400110 TEMPORARY PAVEMENT REMOVAL	SQ YD	1695	1695							
	*	X4401198 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	35910	35910							
	*	X4420716 CLASS C PATCHES, TYPE I, 9 INCH (SPECIAL)	SQ YD	374								374

Δ SPECIALTY ITEM

FILE NAME = N:\EVANSTON\190121\Civil\500_190121_12.shx	USER NAME = mmichalowicz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20'	DRAWN - MEM	REVISED -						1334	17-00281-00-RS	COOK	270	17
	PLOT DATE = 1/23/2020	CHECKED - MEK	REVISED -						CONTRACT NO. 61G30				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.			

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
*	X4420718	CLASS C PATCHES, TYPE II, 9 INCH (SPECIAL)	SQ.YD	374								374
*	X4420720	CLASS C PATCHES, TYPE III, 9 INCH (SPECIAL)	SQ.YD	374								374
*	X4420722	CLASS C PATCHES, TYPE IV, 9 INCH (SPECIAL)	SQ.YD	2485								2485
Δ	X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	160								160
Δ	X5610706	WATER MAIN REMOVAL, 6"	FOOT	50								50
Δ	X5610708	WATER MAIN REMOVAL, 8"	FOOT	50								50
Δ	X5610712	WATER MAIN REMOVAL, 12"	FOOT	50								50
Δ	X5610748	WATER MAIN LINE STOP 8"	EACH	4								4
Δ	X5620116	WATER SERVICE CONNECTION (SHORT)	EACH	28								28
Δ	X5620118	WATER SERVICE CONNECTION (LONG)	EACH	5								5
Δ	X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	4								4
Δ	X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	4								4
Δ	X6020105	MANHOLE, ELECTRIC, 3' X 4' X 4', WITH 24" FRAME AND LID	EACH	2		2						
*	X6020244	CATCH BASIN, TYPE C, 4'-DIAMETER, WITH SPECIAL FRAME, OPEN LID	EACH	22						22		
*	X6026622	VALVE VAULTS TO BE REMOVED	EACH	2	2							
*	X6026623	VALVE BOX	EACH	28	28							
*	X6026632	VALVE BOXES TO BE REMOVED	EACH	28	28							
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L.SUM	1	1							

Δ SPECIALTY ITEM

FILE NAME = N:\EVANSTON\190121\Civil\500.190121-13.sht	USER NAME = mmschelowiez	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20'	DRAWN - MEM	REVISED -						1334	17-00281-00-RS	COOK	270	18
	PLOT DATE = 1/21/2020	CHECKED - MEK	REVISED -						CONTRACT NO. 61G30				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.			

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
*	X7010238	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL MO	20	20							
*	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	22208				22208				
Δ	X7340100	CONCRETE FOUNDATIONS, GROUND MOUNT	CU YD	1		1						
Δ	X8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	2		2						
Δ	X8100105	CONDUIT SPLICE	EACH	21		21						
Δ	X8140102	GROUND EXISTING HANDHOLE	EACH	3		3						
Δ	X8140105	HANDHOLE (SPECIAL)	EACH	6		6						
Δ	X8140210	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	2		2						
Δ	X8140225	HANDHOLE, PORTLAND CEMENT CONCRETE (SPECIAL)	EACH	3		3						
Δ	X8140234	REPLACE HANDHOLE COVER	EACH	10		10						
Δ	X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	2		2						
Δ	X8300001	LIGHT POLE, SPECIAL	EACH	8		8						
Δ	X8360210	LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	FOOT	58		58						
Δ	X8570015	CONTROLLER (SPECIAL)	EACH	2		2						
Δ	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	10200							10200	
Δ	X8780105	CONCRETE FOUNDATIONS (SPECIAL)	EACH	2		2						
Δ	X8800101	PEDESTRIAN PUSH-BUTTON, SPECIAL	EACH	16		16						
Δ	X8951011	REMOVE AERIAL CABLE	FOOT	550		550						

Δ SPECIALTY ITEM

FILE NAME =	USER NAME = mmschelowsz	DESIGNED - MLM	REVISED -
N:\EVANSTON\190121\Civil\SDG_190121_14.sht		DRAWN - MEM	REVISED -
Default	PLOT SCALE = 28'	CHECKED - MEK	REVISED -
	PLOT DATE = 1/21/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	19
			CONTRACT NO. 61G30	
ILLINOIS FED. AID PROJECT				

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
*	XX000959	TRASH RECEPTACLES	EACH	28	28							
*	XX001109	PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8"	SQ YD	68	68							
*	XX003219	UNIT PAVERS	SQ.FT	13765	13765							
*	XX003778	FLUOROCARBON RUBBER (VITON) GASKET	EACH	84								84
Δ	XX005703	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL	L SUM	1		1						
*	XX005878	CAST IRON TREE GRATES	EACH	70	70							
*	XX006247	SANITARY SEWER REMOVAL	FOOT	50						50		
Δ	XX006570	TREES (SPECIAL)	EACH	42					42			
Δ	XX007393	DECORATIVE LIGHT TYPE A	EACH	33		33						
Δ	XX007394	DECORATIVE LIGHT TYPE B	EACH	37		37						
Δ	XX007395	DECORATIVE LIGHT TYPE B1	EACH	16		16						
Δ	XX007396	DECORATIVE LIGHT TYPE C	EACH	22		22						
Δ	XX007622	ELECTRIC METER	EACH	5		5						
*	XX008268	DECORATIVE GATEWAY ELEMENT	EACH	8	8							
Δ	XX008608	CABLE, SPECIAL	FOOT	1108		1108						
Δ	XX008713	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 19/C	FOOT	1428		1428						
Δ	XX008714	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 4 2/C	FOOT	470		470						
Δ	XX008871	MULCH	SQ YD	117					117			
Δ	XX008910	PAVEMENT MARKING (SPECIAL)	SQ.FT	669				669				

Δ SPECIALTY ITEM

FILE NAME = N:\EVANSTON\190121\Civil\1900_190121_15.shx	USER NAME = mmichelowicz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 28'	DRAWN - MEM	REVISED -						1334	17-00281-00-RS	COOK	270	20
	PLOT DATE = 1/21/2020	CHECKED - MEK	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT CONTRACT NO. 61G30				
		DATE -	REVISED -										

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
Δ *	XX009020	LUMINAIRE, LED, TYPE 3, SPECIAL	EACH	17		17						
Δ *	XX009048	CURB AND GUTTER (SPECIAL)	FOOT	9337	9337							
Δ *	XX009142	PAVEMENT MARKING REMOVAL (SPECIAL)	SQ FT	71975				71975				
*	XX152400	SAND CUSHION, 3 INCH	CU YD	3721	3721							
*	Z0003850	BENCHES	EACH	14	14							
*	Z0003855	BICYCLE RACKS	EACH	22	22							
*	Z0007430	TEMPORARY SIDEWALK	SQ FT	2650			2650					
Δ *	Z0010614	CLEANING EXISTING MANHOLE OR HANDHOLE	EACH	18		18						
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1							
*	Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	560	560							
Δ D-1	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1760	1760							
*	Z0036900	PARKING METERS TO BE REMOVED	EACH	26	26							
Δ *	Z0044298	PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	4								4
*	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	65						65		
*	Z0062458	TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	16	16							
# *	Z0076600	TRAINEES	HOUR	1000	1000							
# *	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000							
Δ *	XX009355	ACCESS WELLS	EACH	10		10						

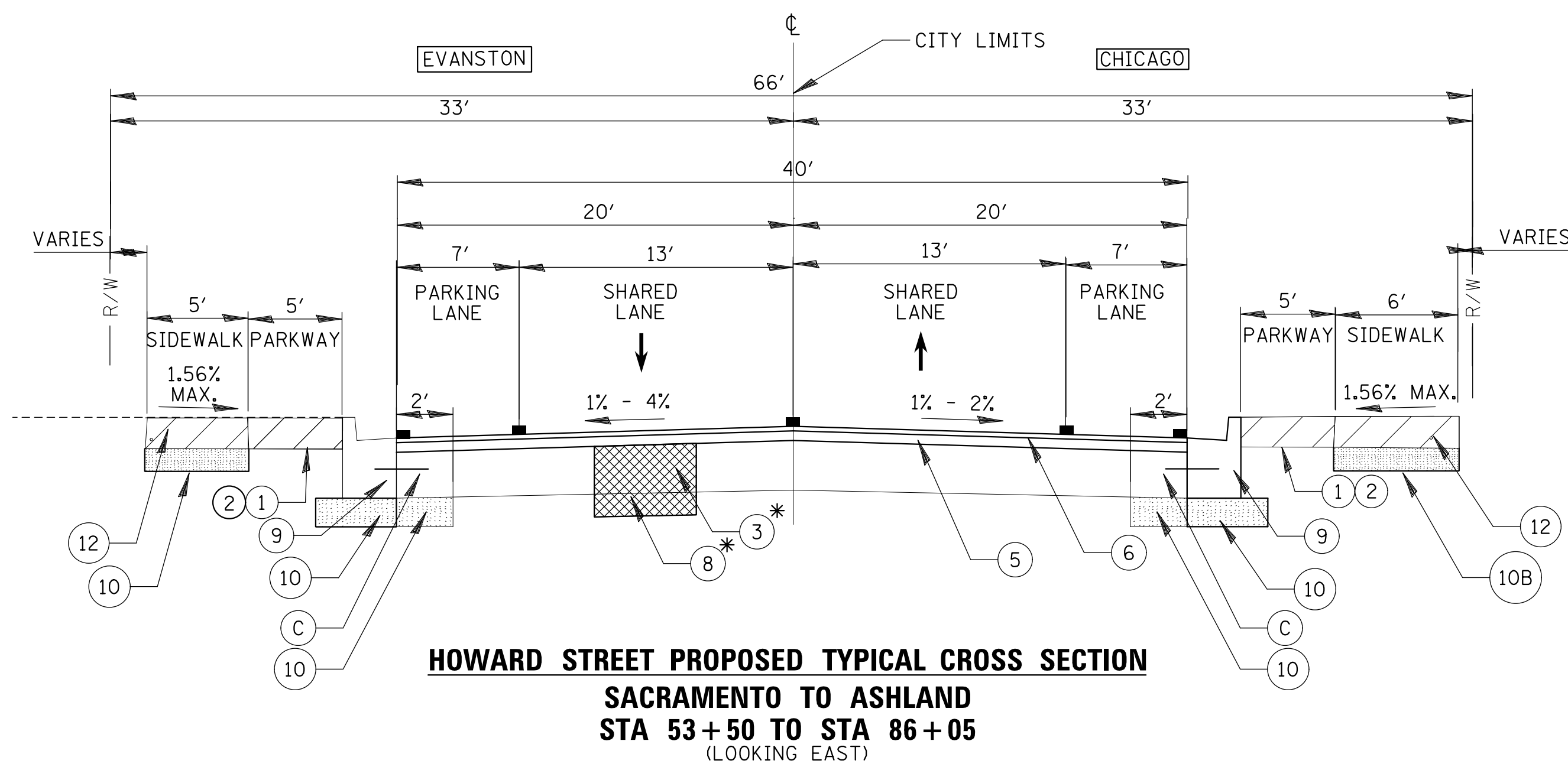
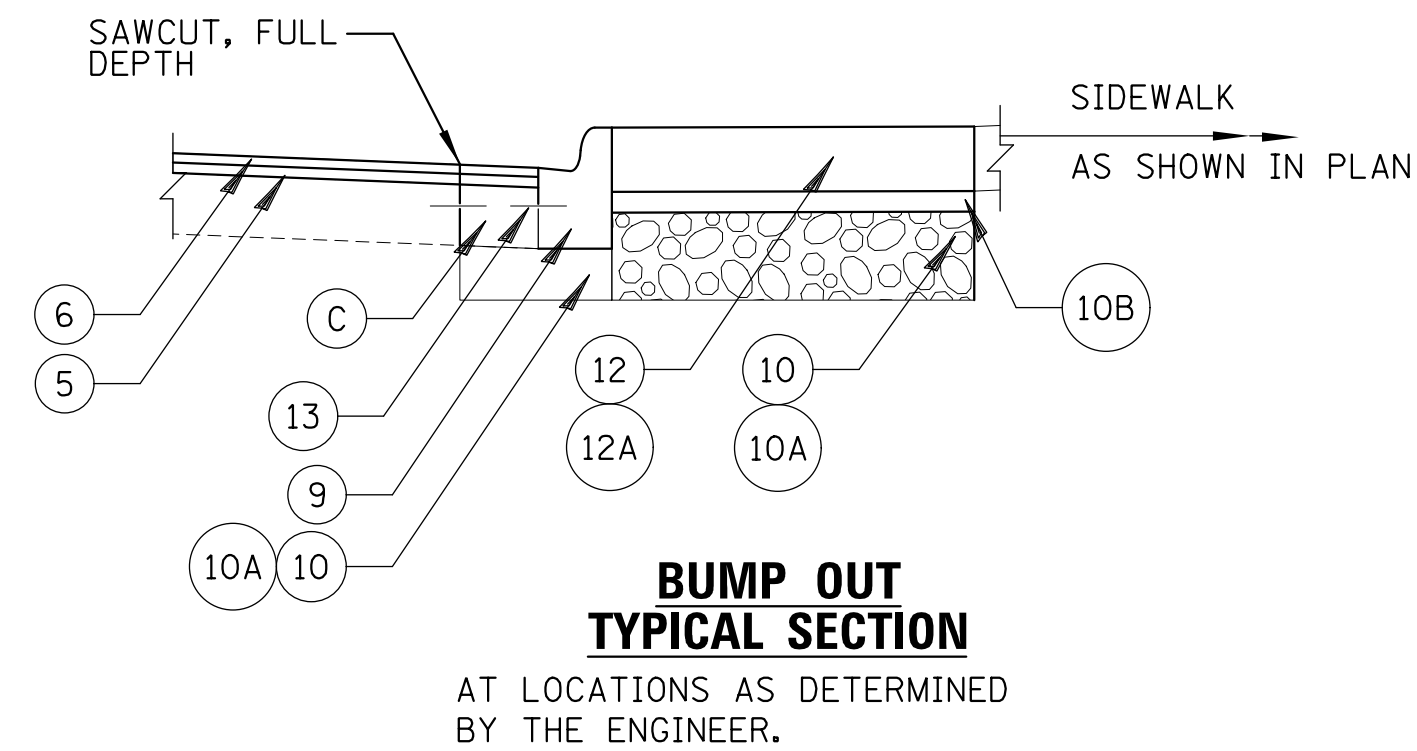
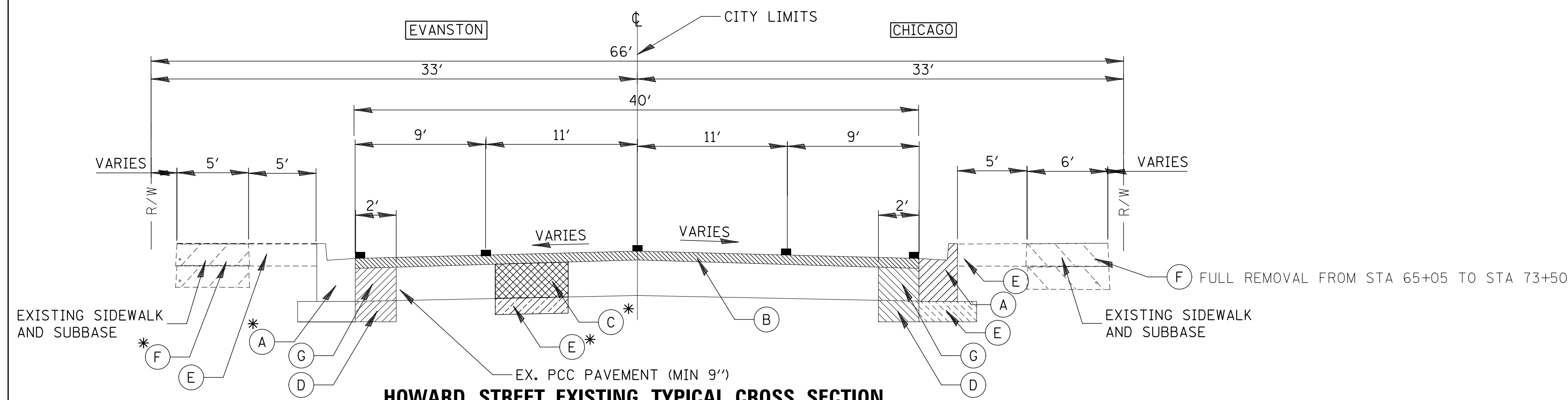
0042
Δ SPECIALTY ITEM

FILE NAME = N:\EVANSTON\190121\Civil\1900_190121_16.sht	USER NAME = mm:chalowicz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20'	PLOT DATE = 1/21/2020	DRAWN - MEH	REVISED -						1334	17-00281-00-RS	COOK	270	21
Default		CHECKED - MEK	REVISED -						CONTRACT NO. 61G30				
		DATE -	REVISED -						SCALE:	SHEET	OF	SHEETS	STA.

S.P.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005	ELECTRICAL 0021	ADA 0021	PAVEMENT MARKINGS 0021	LANDSCAPE 0031	SEWER 0043	SECURITY 0043	WATER MAIN 0043
					70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	70% FHWA (STU) 30% LOCAL	100% LOCAL	100% LOCAL
Δ *	XX009356	CONCRETE FOUNDATION, 20" DIAMETER	FOOT	46		46						
Δ *	XX009357	CONCRETE FOUNDATION, 24" DIAMETER	FOOT	49		49						
Δ *	XX009358	CONCRETE FOUNDATION, 28" DIAMETER	FOOT	329		329						
Δ *	XX009359	CONCRETE FOUNDATION, 28" DIAMETER, OFFSET	Foot	408		408						
Δ *	XX009360	CONCRETE FOUNDATION, 30" DIAMETER	FOOT	56		56						
Δ *	XX009361	MULCH, SPECIAL	SQ YD	88					88			
Δ *	XX009362	STEEL POLE, TYPE 1	EACH	3		3						
Δ *	XX009363	STEEL POLE, TYPE 2	EACH	1		1						
Δ *	XX009364	STREET LIGHTING CABLE, 1/C NO. 2	FOOT	110		110						
Δ *	XX009365	STREET LIGHTING CABLE, 1/C NO. 2/0	FOOT	350		350						

Δ SPECIALTY ITEM

FILE NAME = N:\EVANSTON\190121\Civil\500-190121-17.sht	USER NAME = mmichelowsz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT SUMMARY OF QUANTITIES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20'	DRAWN - MEM	REVISED -						1334	17-00281-00-RS	COOK	270	22
	PLOT DATE = 1/21/2020	CHECKED - MEK	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61G30				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @Ndes
RESURFACING (HOWARD STREET)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 1 1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 3/4"	4% @ 70 GYR.
INTERSECTIONS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5 N70; 1 1/2"	4% @ 70GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4" - 1"	3.5% @ 50GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 3/4"	4% @ 70GYR.
CLASS C PATCHES (SPECIAL) - (WATER MAIN IMPROVMENT)	
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70, 4"	4% @ 70 GYR.
CLASS D PATCHES	
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	4% @ 70 GYR.
TEMPORARY SIDEWALK	
HOT-MIX ASPHALT SURFACE COURSE, MIX D, IL-9.5, N50	4% @ 50 GYR.

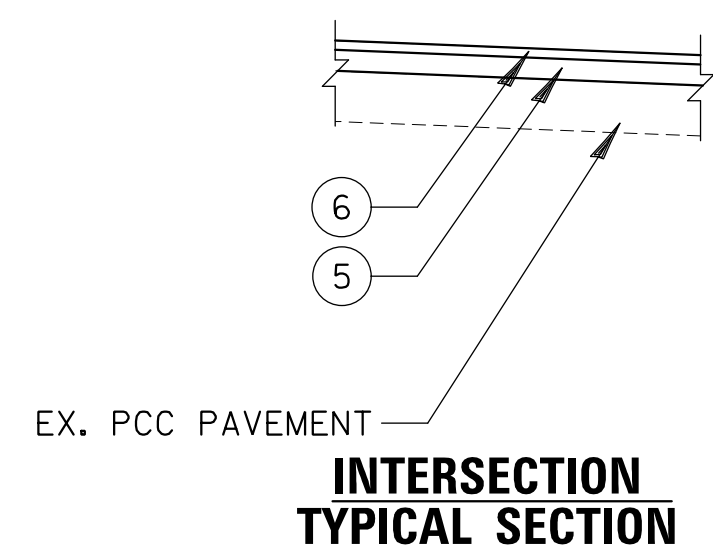
LEGEND

- (A) COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (X4401198)
- (C) CLASS B OR D PATCHES
- (D) EARTH EXCAVATION (20200100)
- (E) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
- (F) SIDEWALK REMOVAL (44000600)
- (G) PAVEMENT REMOVAL (44000100)
- (1) TOPSOIL FURNISH AND PLACE, 6" (21101625)
- (2) SODDING, SALT TOLERANT (25200110)
- (3) CLASS B PATCHES OR CLASS D PATCHES
- (4) ITEM NOT USED
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0; N70; 2 3/4" (40603085)
- (6) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1 1/2" (40604062)**
- (7) ITEM NOT USED
- (8) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (9) CURB AND GUTTER (SPECIAL) (XX009048)
- (10) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200) (EVANSTON)
- (10A) SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400) (CHICAGO)
- (10B) SAND CUSHION, 3 INCH (XX152400) (CDOT)
- (11) UNIT PAVERS (XX003219)
- (12) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (12A) PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL (X4240460) (USED FOR CDOT ADA CORNERS)

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-PLOYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISION.
3. FOR USE OF RECYCLED MATERIAL SEE SPECIAL PROVISIONS.
4. SEE GEOTECH REPORT FOR HMA VARIABLE PAVEMENT THICKNESSES.
5. CURB AND GUTTER AND SIDEWALK REMOVAL AND REPLACEMENT (SPOT).
6. SEE DETAILS FOR BUS PAD TYPICAL SECTIONS AND DETAILS.

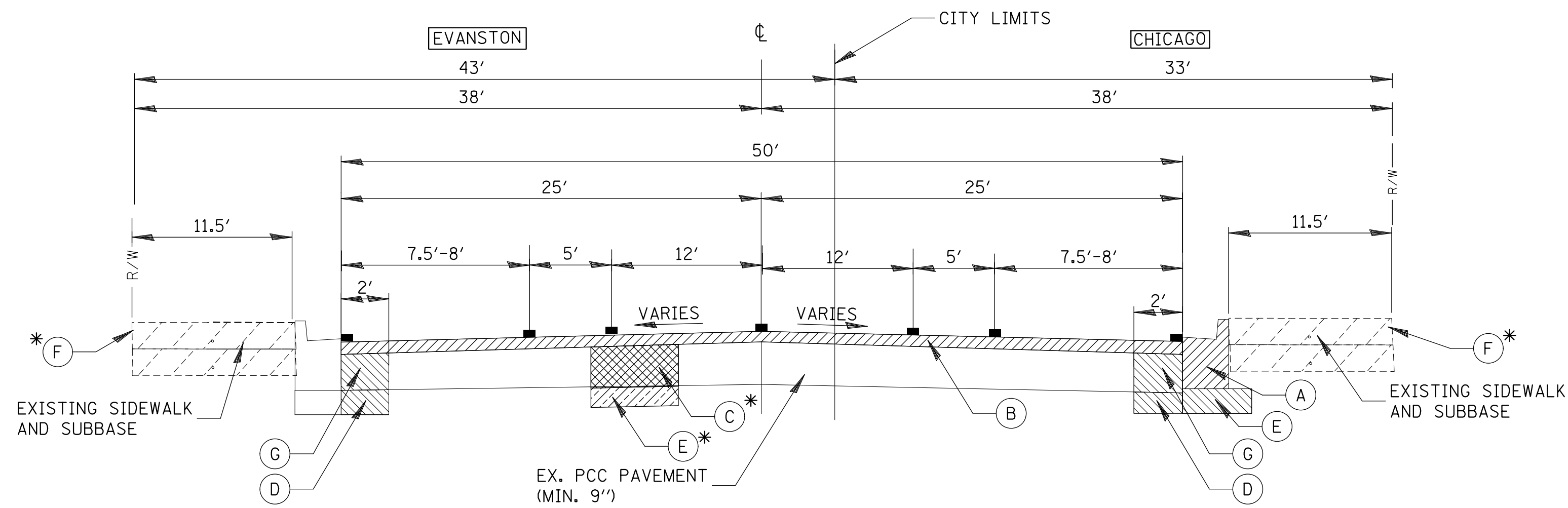
PCC DRIVEWAY PAVEMENT 8"
PORTLAND CEMENT CONCRETE, 8"
SUBBASE GRANULAR MATERIAL, TYPE B 6" (EVANSTON)
SAND CUSHION, 3 INCH - 1 LIFT (CDOT)



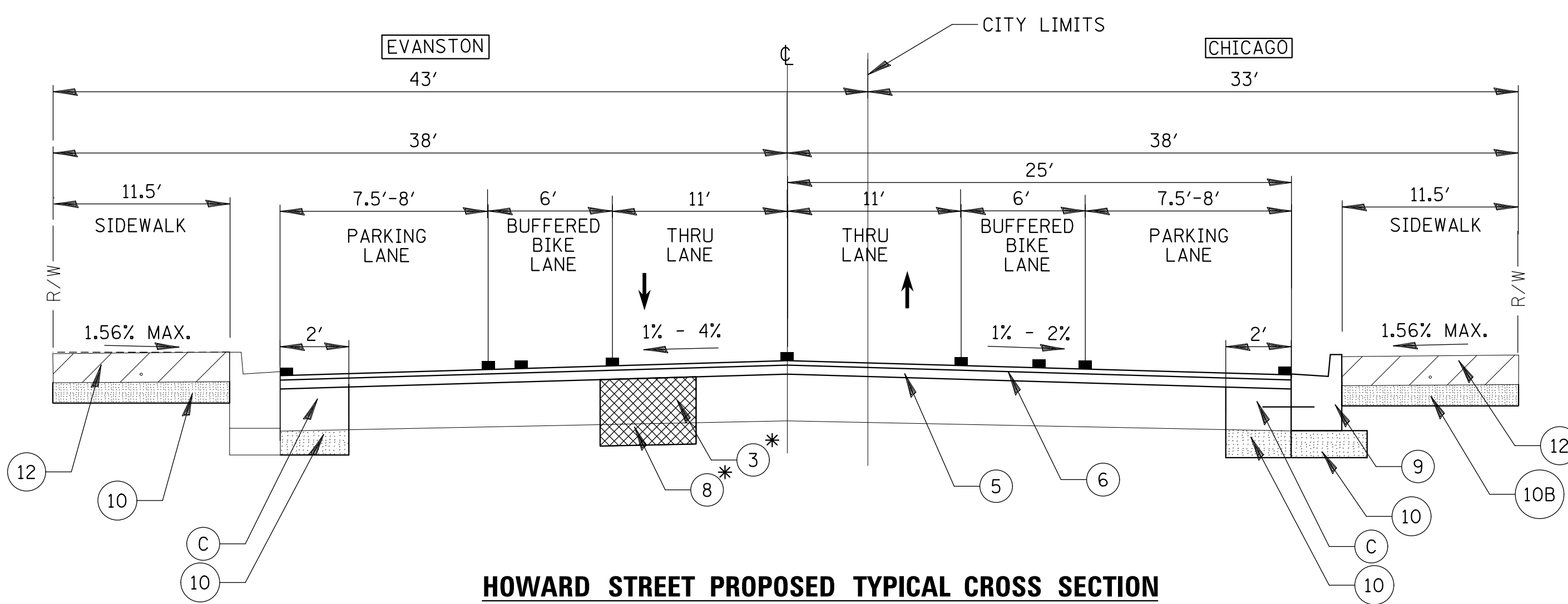
- STA 54+00 TO STA 54+85
- STA 66+80 TO STA 67+75
- STA 92+40 TO STA 93+40
- STA 107+48 TO STA 108+35
- STA 118+90 TO STA 119+70

** TO BE USED FOR BUTT JOINTS AT ALL INTERSECTIONS

* AT LOCATIONS AS DETERMINED BY THE ENGINEER.



HOWARD STREET EXISTING TYPICAL CROSS SECTION
RIDGE TO CALLAN/WINCHESTER
STA 107+60 TO STA 123+50
 (LOOKING EAST)



HOWARD STREET PROPOSED TYPICAL CROSS SECTION
RIDGE TO CALLAN/WINCHESTER
STA 107+60 TO STA 123+50
 (LOOKING EAST)

LEGEND

- (A) COMBINATION CURB AND GUTTER REMOVAL (44000500)
- (B) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (X4401198)
- (C) CLASS B OR D PATCHES
- (D) EARTH EXCAVATION (20200100)
- (E) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
- (F) SIDEWALK REMOVAL (44000600)
- (G) PAVEMENT REMOVAL (44000100)
- (1) TOPSOIL FURNISH AND PLACE, 6" (21101625)
- (2) SODDING, SALT TOLERANT (25200110)
- (3) CLASS B PATCHES OR CLASS D PATCHES
- (4) ITEM NOT USED
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0; N70; 2 3/4" (40603085)
- (6) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1 1/2" (40604062)**
- (7) ITEM NOT USED
- (8) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (9) CURB AND GUTTER (SPECIAL) (XX009048)
- (10) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200) (EVANSTON)
- (10A) SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400) (CHICAGO)
- (10B) SAND CUSHION, 3 INCH (XX152400) (CDOT)
- (11) UNIT PAVERS (XX003219)
- (12) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (12A) PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL (X4240460) (USED FOR CDOT ADA CORNERS)

** TO BE USED FOR BUTT JOINTS AT ALL INTERSECTIONS

*
 AT LOCATIONS AS DETERMINED
 BY THE ENGINEER.

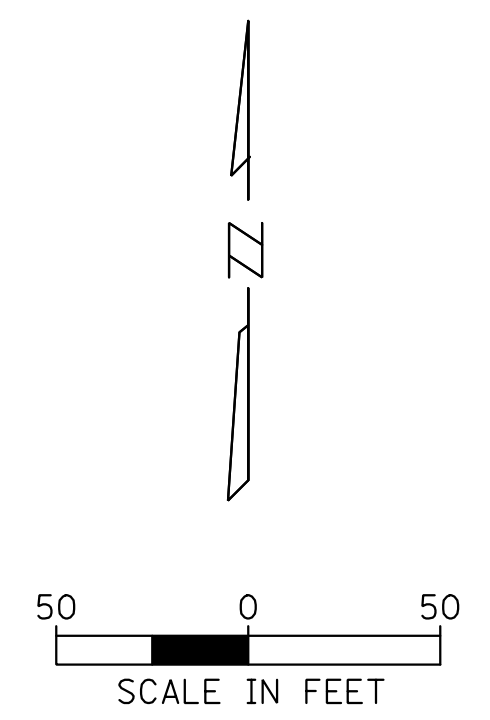
FILE NAME = N:\EVANSTON\190121\Civ11\TYP_190121_03.shd	USER NAME = mmichalowicz	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT TYPICAL SECTIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 20'	DRAWN - MEM	REVISED -			1334	17-00281-00-RS	COOK	270	25	
	PLOT DATE = 1/14/2020	CHECKED - MEK	REVISED -			CONTRACT NO. 61G30					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET OF SHEETS	STA.	TO STA.				

DRAINAGE STRUCTURE TABLE			
NO.	TYPE	RIM ELEVATION	INVERTS
S100	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	16.35	S 13.24 (8")
S101	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	16.69	SE 11.69 (8") S 13.09 (8")
S102	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	16.40	Full of Debris
S103	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	16.56	S 13.44 (8")
S104	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	17.06	S 13.66 (8") SW 12.91 (8")
S105	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	16.51	Full of Debris
S106	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	17.95	Full of Debris
S107	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	18.69	Full of Debris
S108	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	21.02	Full of Debris
S109	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	22.47	Full of Debris
S109B	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	22.75	S 18.86 (8")
S110	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	24.99	Full of Debris
S111	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	24.83	N 21.57 (8") E 22.22 (8")
S112	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	25.24	SE 22.06 (8")
S113	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	26.38	N 21.03 (8")
S114	CATCH BASIN TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	29.27	S 25.79 (8")
S114B	CATCH BASIN TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	28.99	N 25.55 (8") E 25.83 (8")
S114C	CATCH BASIN TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	29.97	N 25.96 (8") W 26.19 (8")
S115	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	30.28	S 26.97 (8")
S115B	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	30.60	S 27.50 (12")
S115C	MANHOLE TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	30.89	E/W 19.04 (15") N 27.47 (12")
S115D	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	30.67	N 22.17 (12")
S115E	MANHOLE TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	31.01	E/W 21.45 (30") N 22.14 (12")
S116	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	30.74	S 28.70 (12")
S116B	MANHOLE TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	31.17	E/W 19.83 (15") N 27.65
S116C	INLET TYPE A, TYPE 1 FRAME, OPEN LID	30.74	N 28.74 (12")
S116D	MANHOLE TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	30.96	E/W 21.67 (30") S 28.71 (12")
S116E	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	30.81	S 28.81 (8")
S116F	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	30.49	N/S 28.72 (12")
S117	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	31.55	S 27.75 (8")
S117B	INLET TYPE A, TYPE 1 FRAME, OPEN LID	31.26	S 29.26 (12")
S117C	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	31.42	N/S 29.24 (12")
S117D	MANHOLE TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	31.60	E/W 22.14 (12") N 28.22 (12")
S117E	INLET TYPE A, TYPE 1 FRAME, OPEN LID	32.18	S 30.20 (12")
S117F	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	32.48	N/S 30.18 (12")
S117G	MANHOLE TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	32.77	W/E 23.17 (12") N 29.16 (12")
S118	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	32.23	S 28.98 (8")
S118B	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	33.14	S 28.90 (8")
S119	INLET TYPE A, TYPE 1 FRAME, OPEN LID	30.98	Full of Debris
S120	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	25.43	Full of Debris
S120B	INLET TYPE A, TYPE 1 FRAME, OPEN LID	25.36	N 23.39 (12")
S120C	INLET TYPE A, TYPE 1 FRAME, OPEN LID	25.71	S 20.56 (12")
S121	CATCH BASIN TYPE C, 4'-DIAMETER WITH SPECIAL FRAME, OPEN LID	23.87	Full of Debris
S122	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	22.22	Full of Debris
S122B	INLET TYPE A, TYPE 1 FRAME, OPEN LID	22.56	SE 18.25 (12")
S123	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	19.93	Full of Debris
S124	CATCH BASIN TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	19.66	Under Water
S124B	INLET TYPE A, TYPE 1 FRAME, OPEN LID	20.00	W 14.52 (12")

City of Chicago Structures to use CDOT standard lids. See detail sheets.

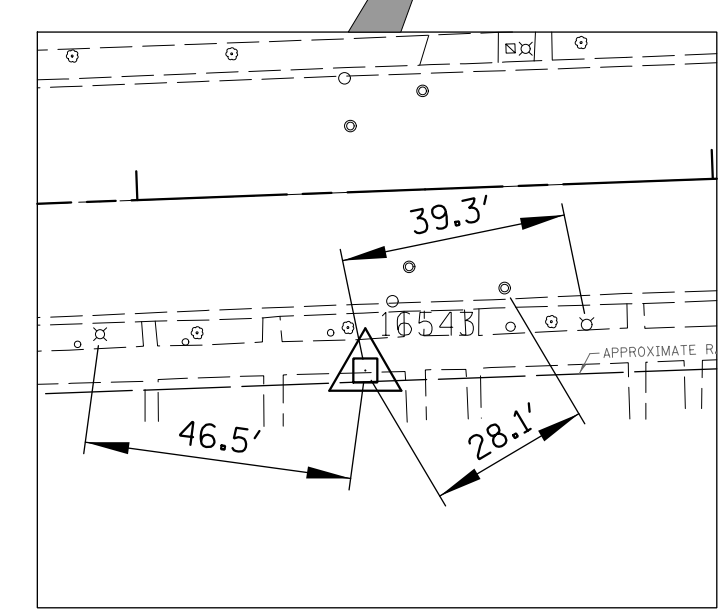
STORM SEWER PIPE SCHEDULE									
NO.	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA. (IN)	SLOPE (%)	UP. INV.	DOWN. INV.
P100	S115B	S115C	B	2	13	12	0.23%	27.50	27.47
P101	S116	S116B	B	2	20	12	5.25%	28.70	27.65
P102	S115D	S115E	B	2	14	12	0.21%	22.17	22.14
P103	S116F	S116D	B	2	12	12	0.21%	28.72	28.69
P103B	S116C	S116F	B	2	12	12	0.21%	28.74	28.72
P104	S117B	S117C	B	1	8	12	0.25%	29.26	29.24
P105	S117C	S117D	B	2	8	12	12.75%	29.24	28.22
P106	S117E	S117F	B	1	8	12	0.25%	30.20	30.18
P107	S117F	S117G	B	2	8	12	12.75%	30.18	29.16
P108	S120B	EX CB	B	1	5	12	1.80%	23.99	23.30
P109	S120C	EX CB	B	2	6	12	0.33%	20.56	20.54
P110	S122B	EX CB	B	2	5	12	0.40%	18.25	18.23
P111	S124B	EX CB	B	2	7	12	0.29%	14.52	14.50

PROPOSED DRIVEWAY/ALLEY SCHEDULE								
STA.	RT/LT	AREA (SY)		STA.	RT/LT	AREA (SY)		
61+47	RT	20		97+76	RT	28		
62+21	RT	45		98+30	LT	44		
68+32	RT	17		98+82	LT	43		
68+42	LT	16		99+98	LT	38		
68+90	RT	13		100+78	LT	32		
69+73	RT	20		101+68	RT	28		
70+01	LT	19		101+84	LT	31		
71+09	LT	27		103+15	LT	42		
72+20	RT	30		103+85	RT	54		
74+21	LT	43		105+05	LT	53		
86+27	LT	29		105+09	RT	18		
86+74	RT	22		105+77	RT	17		
87+16	LT	64		105+99	RT	17		
87+16	RT	20		106+37	RT	22		
87+96	RT	29		106+44	LT	53		
88+23	LT	63		108+55	LT	42		
89+62	RT	40		109+24	LT	43		
89+79	LT	49		111+17	LT	19		
94+40	RT	25		113+50	RT	35		
94+43	LT	30		114+96	LT	27		
95+43	LT	24		117+62	RT	39		
96+02	LT	40		119+92	RT	36		
96+86	RT	27		120+91	RT	32		
97+71	LT	49		121+22	RT	23		



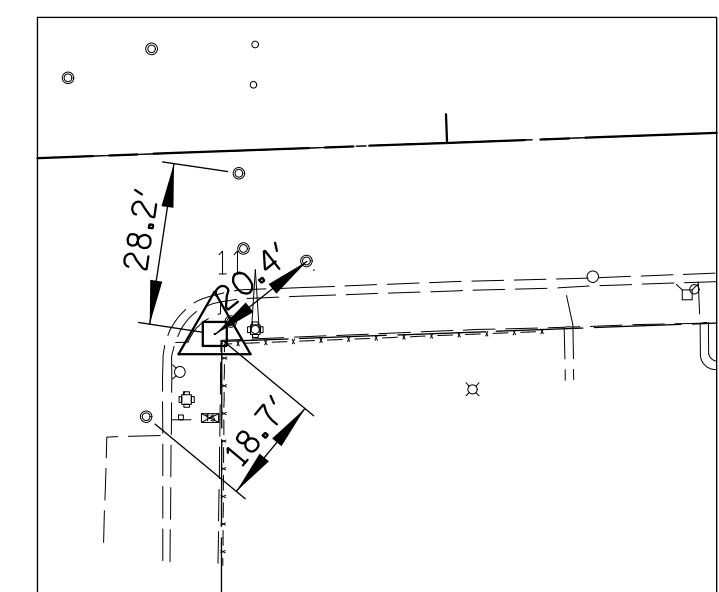
POT Sta 50+00.00
 50+00
 N 1 950 206.3
 E 1 154 732.1

△	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
9	1950324.04	1157211.76	74+82.30	25.9' LT	CP-XCUT
11	1950239.73	1156490.56	67+58.48	31.7' RT	CP-XCUT
16543	1950202.61	1155471.23	57+38.47	31.0' LT	CP-XCUT

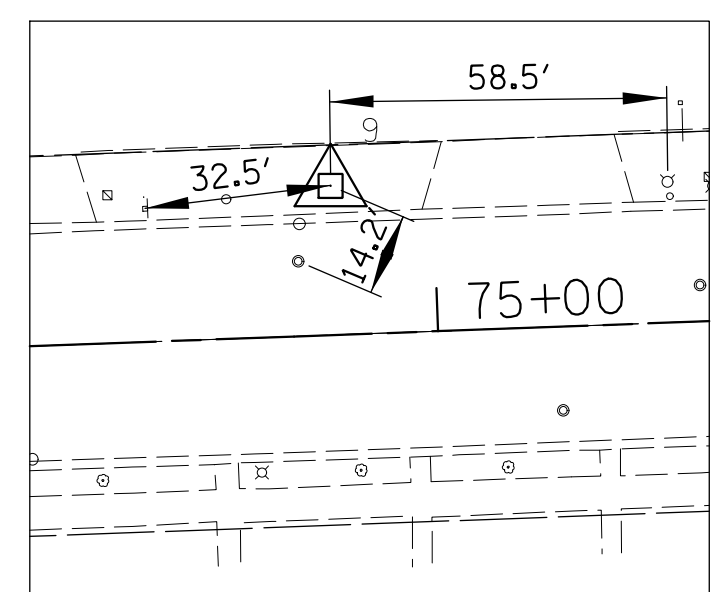


CP 16543

△	ELEVATION BENCHMARKS		
NO.	DESCRIPTION	DATUM: CITY OF EVANSTON (GPS OBSERVED)	
NO.	DESCRIPTION	ELEV.	
BM 49	DISK UNDER CAP AT THE NORTHWEST CORNER OF AUSTIN STREET & RIDGE AVENUE	37.28	
OSBM 17-1	SQUARE CUT ON THE NORTH EDGE OF CONCRETE BASE OF POPEYES SIGN AT THE SOUTHEAST CORNER OF HOWARD STREET & DAMEN AVENUE	22.86	
OSBM 17-2	NORTH BOLT OF HYDRANT AT THE SOUTHWEST CORNER OF THE HOWARD STREET & SEELEY AVENUE	24.09	
OSBM 17-3	NORTHEAST CORNER OF CONCRETE BASE OF TRAFFIC BOX ON THE SOUTH SIDE OF HOWARD STREET AT THE FIRST ALLEY WEST OF RIDGE AVENUE	37.61	
OSBM 17-4	CHAIN BOLT OF HYDRANT AT THE SOUTHWEST CORNER OF HOWARD STREET & OAKLEY AVENUE	34.27	
OSBM 17-5	SURVEY MARKER SPIKE IN UTILITY POLE ON THE SOUTH SIDE OF HOWARD STREET & WEST OF WESTERN AVENUE AT WEST SIDE OF THE ENTRANCE TO THE MALL	33.65	
OSBM 17-6	FIRST STEP UP OF HOUSE #2511 AT THE SOUTHEAST CORNER OF HOWARD STREET & MAPLEWOOD AVENUE	33.65	
OSBM 17-7	NORTHWEST CORNER OF FIRST CONCRETE STEP UP TO HOUSE #2526 HOWARD STREET	28.34	
OSBM 17-8	CHAIN BOLT OF HYDRANT AT THE SOUTHEAST CORNER OF HOWARD STREET & CALIFORNIA AVENUE	21.68	

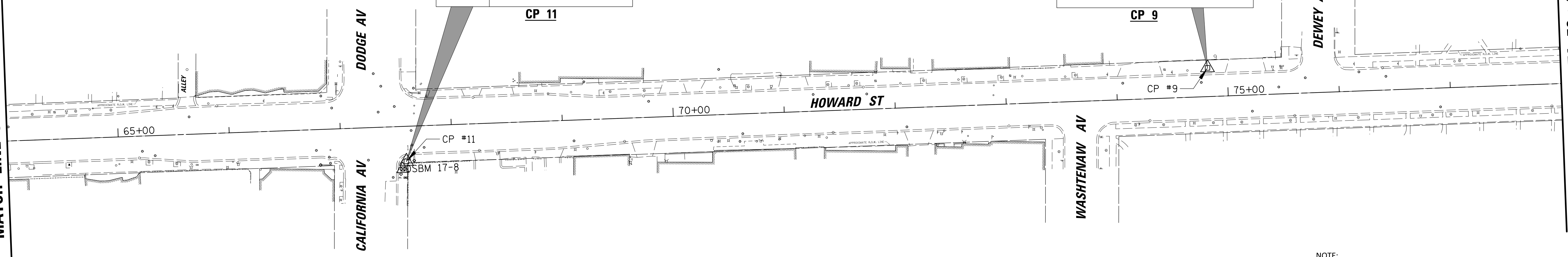


CP 11



CP 9

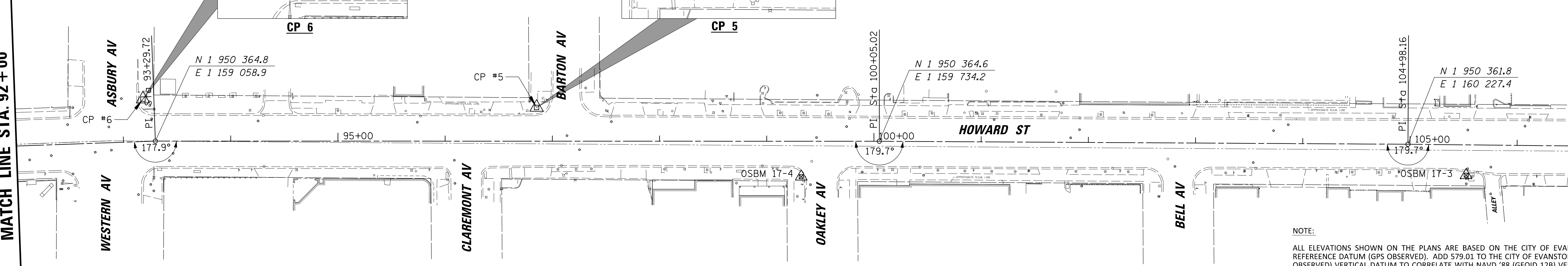
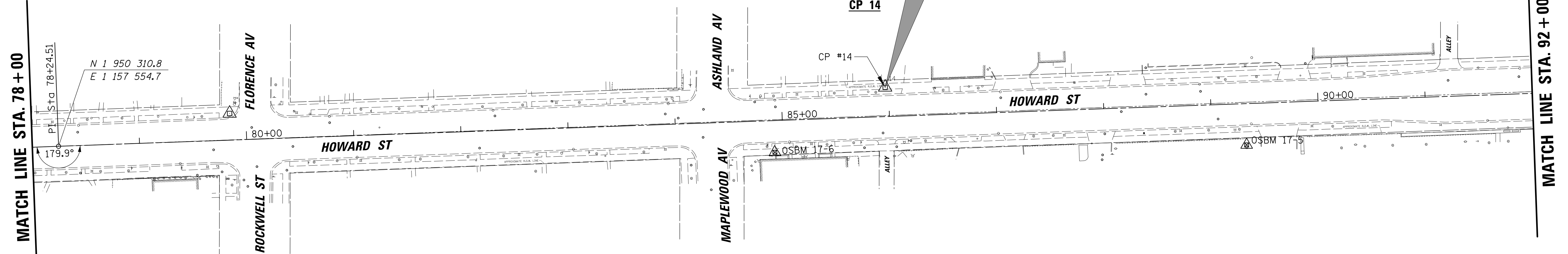
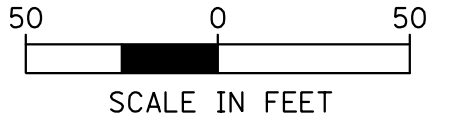
MATCH LINE STA. 64 + 00



MATCH LINE STA. 78 + 00

NOTE:
 ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE CITY OF EVANSTON REFERENCE DATUM (GPS OBSERVED). ADD 579.01 TO THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH NAVD '88 (GEOID 12B) VERTICAL DATUM. SUBTRACT 0.57 FROM THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH THE CITY OF CHICAGO (1935 ADJUSTMENT) VERTICAL DATUM.

△	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
5	1950396.11	1159414.50	96+85.28	31.5' RT	CP-XCUT
6	1950403.86	1159047.35	93+19.55	39.5' RT	CP-XCUT
14	1950365.68	1158325.74	85+97.03	27.2' RT	CP-XCUT



△	ELEVATION BENCHMARKS	
NO.	DESCRIPTION	ELEV.
BM 49	DISK UNDER CAP AT THE NORTHWEST CORNER OF AUSTIN STREET & RIDGE AVENUE	37.28
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OSBM 17-2	NORTH BOLT OF HYDRANT AT THE SOUTHWEST CORNER OF THE HOWARD STREET & SEELEY AVENUE	24.09
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OSBM 17-5	SURVEY MARKER SPIKE IN UTILITY POLE ON THE SOUTH SIDE OF HOWARD STREET & WEST OF WESTERN AVENUE AT WEST SIDE OF THE ENTRANCE TO THE MALL	33.65
OSBM 17-6	FIRST STEP UP OF HOUSE #2511 AT THE SOUTHEAST CORNER OF HOWARD STREET & MAPLEWOOD AVENUE	33.65
OSBM 17-7	NORTHWEST CORNER OF FIRST CONCRETE STEP UP TO HOUSE #2526 HOWARD STREET	28.34
OSBM 17-8	CHAIN BOLT OF HYDRANT AT THE SOUTHEAST CORNER OF HOWARD STREET & CALIFORNIA AVENUE	21.68

NOTE:
ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE CITY OF EVANSTON REFERENCE DATUM (GPS OBSERVED). ADD 579.01 TO THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH NAVD '88 (GEOID 12B) VERTICAL DATUM. SUBTRACT 0.57 FROM THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH THE CITY OF CHICAGO (1935 ADJUSTMENT) VERTICAL DATUM.

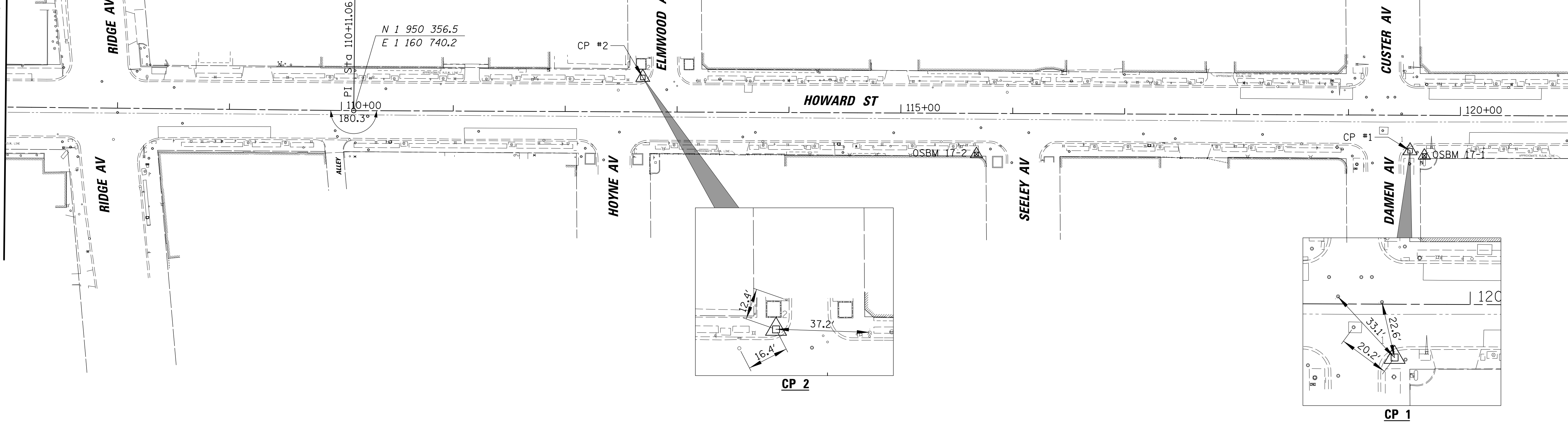
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

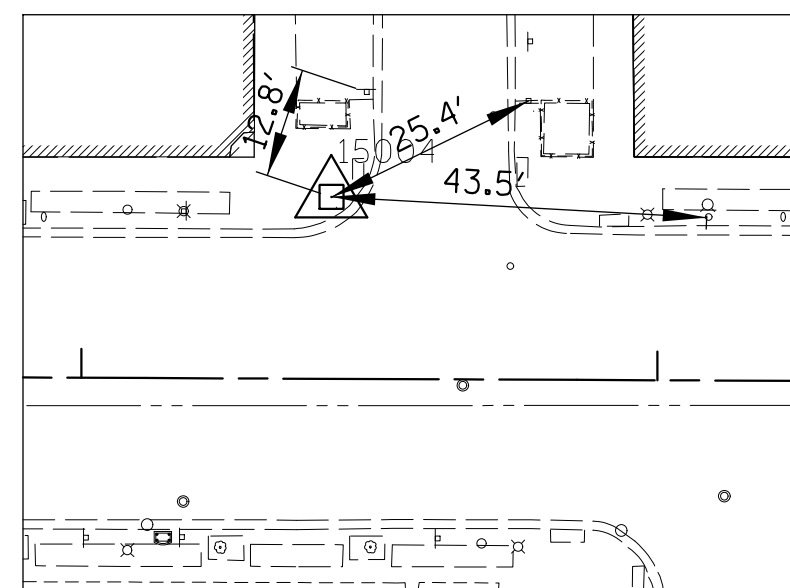
HOWARD STREET CORRIDOR IMPROVEMENT PROJECT			
ALIGNMENT, TIES AND BENCHMARKS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	28
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 107+00



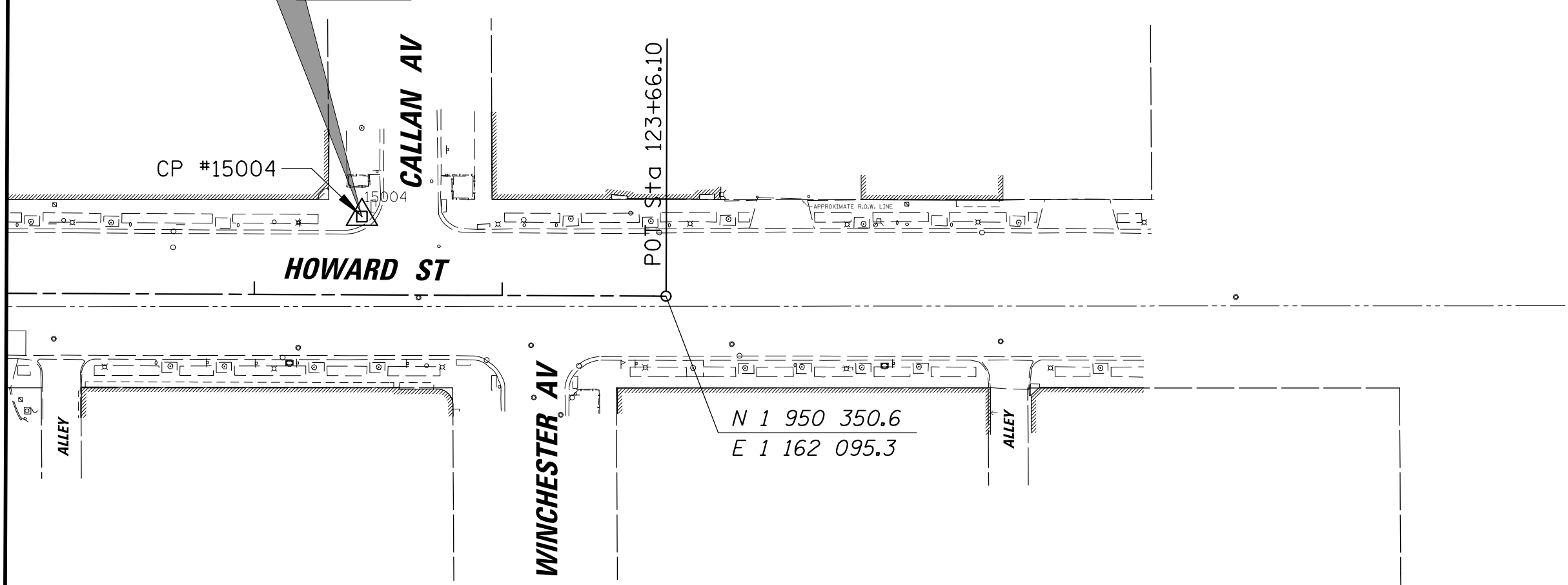
MATCH LINE STA. 121+00



CP 15004

△	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
1	1950320.60	1161684.18	119+55.15	31.8' LT	CP-XCUT
2	1950386.14	1160998.56	112+69.25	30.8' RT	CP-XCUT
15004	1950382.69	1161972.59	122+43.29	31.6' LT	CP-XCUT

MATCH LINE STA. 121+00



CP #15004

N 1 950 350.6
E 1 162 095.3

NOTE:

ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE CITY OF EVANSTON REFERENCE DATUM (GPS OBSERVED). ADD 579.01 TO THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH NAVD '88 (GEOID 12B) VERTICAL DATUM. SUBTRACT 0.57 FROM THE CITY OF EVANSTON (GPS OBSERVED) VERTICAL DATUM TO CORRELATE WITH THE CITY OF CHIAGO (1935 ADJUSTMENT) VERTICAL DATUM.

△	ELEVATION BENCHMARKS	DATUM-CITY OF EVANSTON (GPS OBSERVED)	ELEV.
NO.	DESCRIPTION		
BM 49	DISK UNDER CAP AT THE NORTHWEST CORNER OF AUSTIN STREET & RIDGE AVENUE		37.28
OSBM 17-1	SQUARE CUT ON THE NORTH EDGE OF CONCRETE BASE OF POPEYES SIGN AT THE SOUTHEAST CORNER OF HOWARD STREET & DAMEN AVENUE		22.86
OSBM 17-2	NORTH BOLT OF HYDRANT AT THE SOUTHWEST CORNER OF THE HOWARD STREET & SEELEY AVENUE		24.09
OSBM 17-3	NORTHEAST CORNER OF CONCRETE BASE OF TRAFFIC BOX ON THE SOUTH SIDE OF HOWARD STREET AT THE FIRST ALLEY WEST OF RIDGE AVENUE		37.61
OSBM 17-4	CHAIN BOLT OF HYDRANT AT THE SOUTHWEST CORNER OF HOWARD STREET & OAKLEY AVENUE		34.27
OSBM 17-5	SURVEY MARKER SPIKE IN UTILITY POLE ON THE SOUTH SIDE OF HOWARD STREET & WEST OF WESTERN AVENUE AT WEST SIDE OF THE ENTRANCE TO THE MALL		33.65
OSBM 17-6	FIRST STEP UP OF HOUSE #2511 AT THE SOUTHEAST CORNER OF HOWARD STREET & MAPLEWOOD AVENUE		33.65
OSBM 17-7	NORTHWEST CORNER OF FIRST CONCRETE STEP UP TO HOUSE #2526 HOWARD STREET		28.34
OSBM 17-8	CHAIN BOLT OF HYDRANT AT THE SOUTHEAST CORNER OF HOWARD STREET & CALIFORNIA AVENUE		21.68

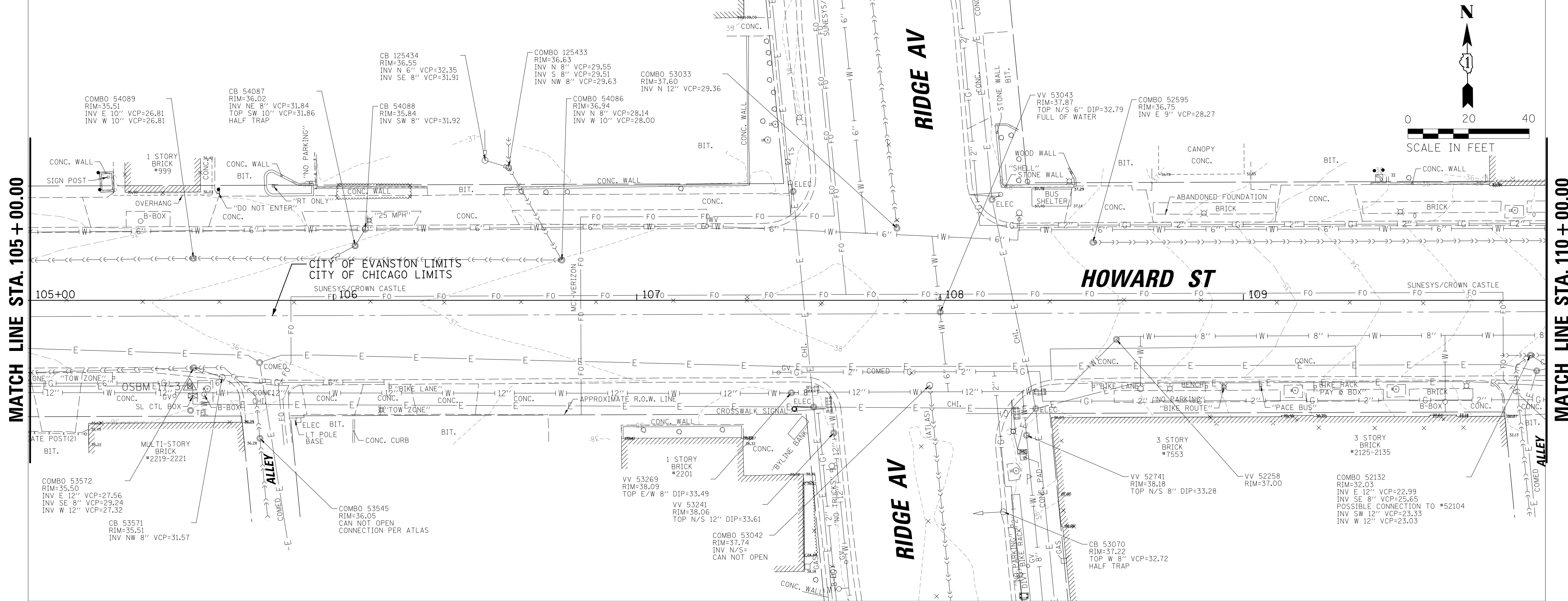
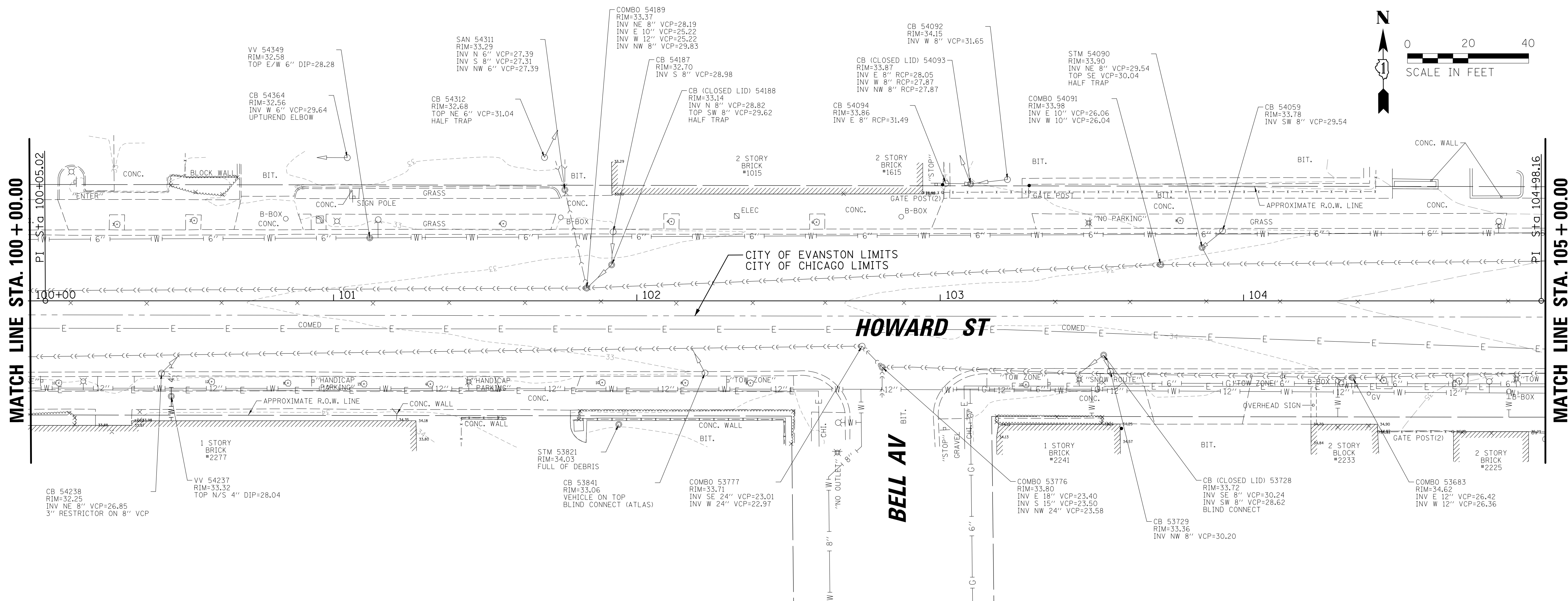
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PLOT DATE = 12/20/2019	DATE -		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
ALIGNMENT, TIES AND BENCHMARKS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	29
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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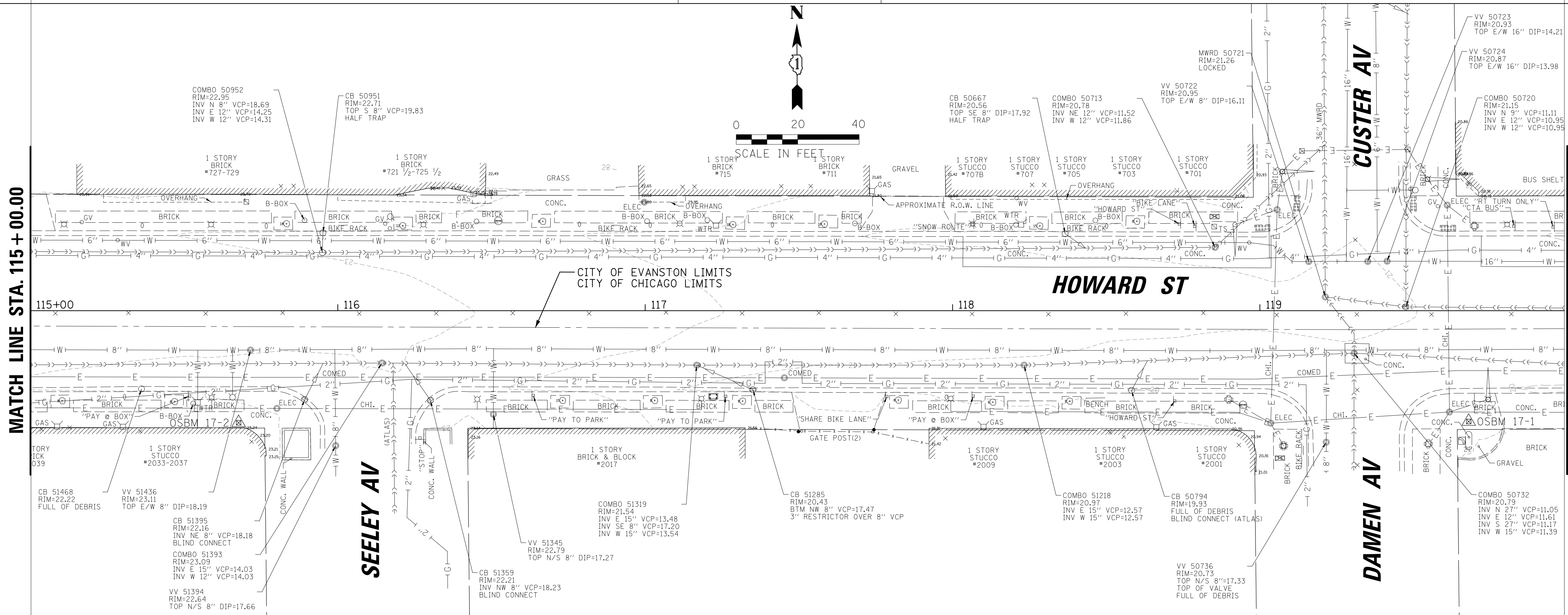
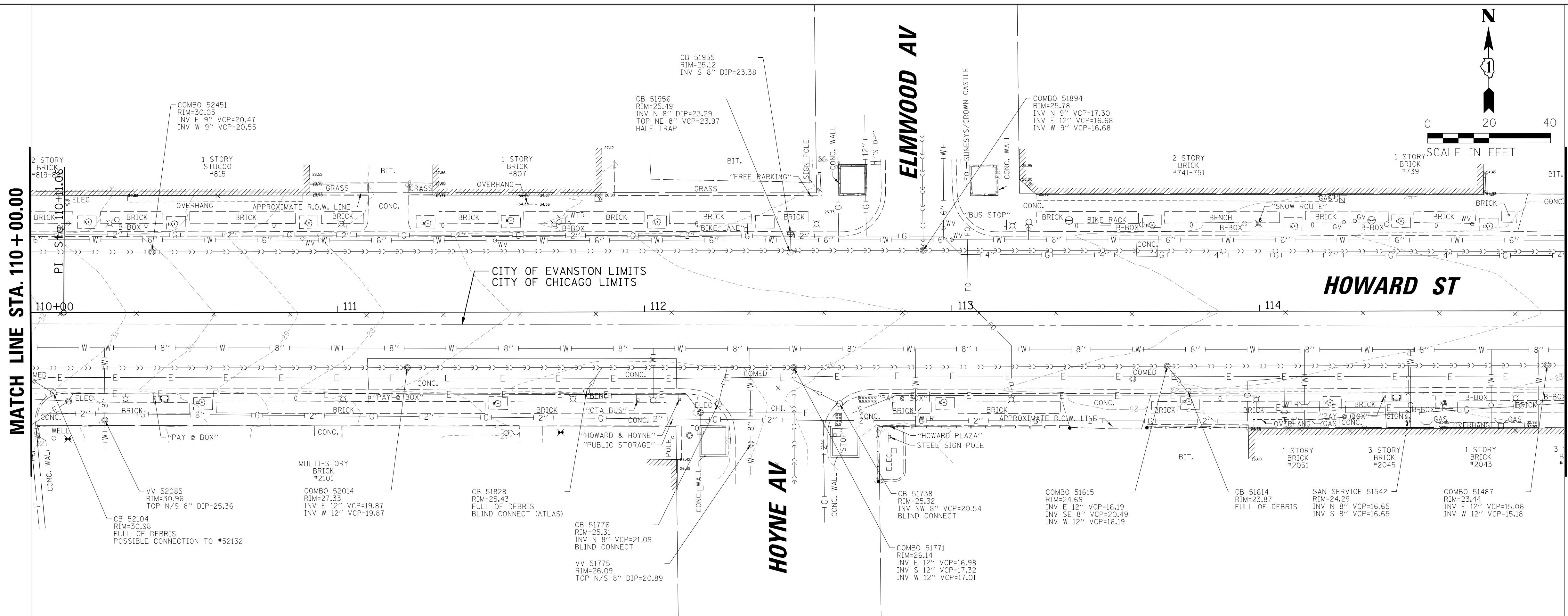
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
 EXISTING CONDITIONS**
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	35
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



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DATE -

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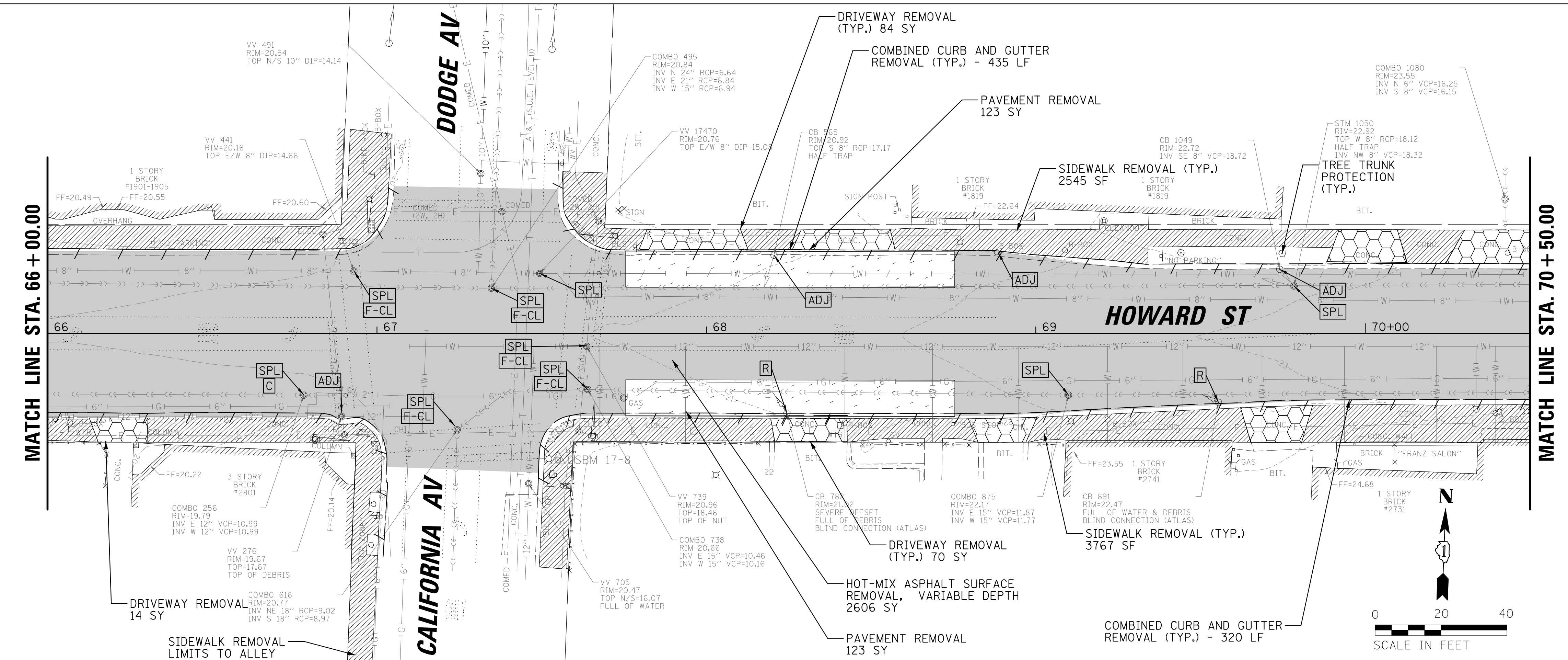
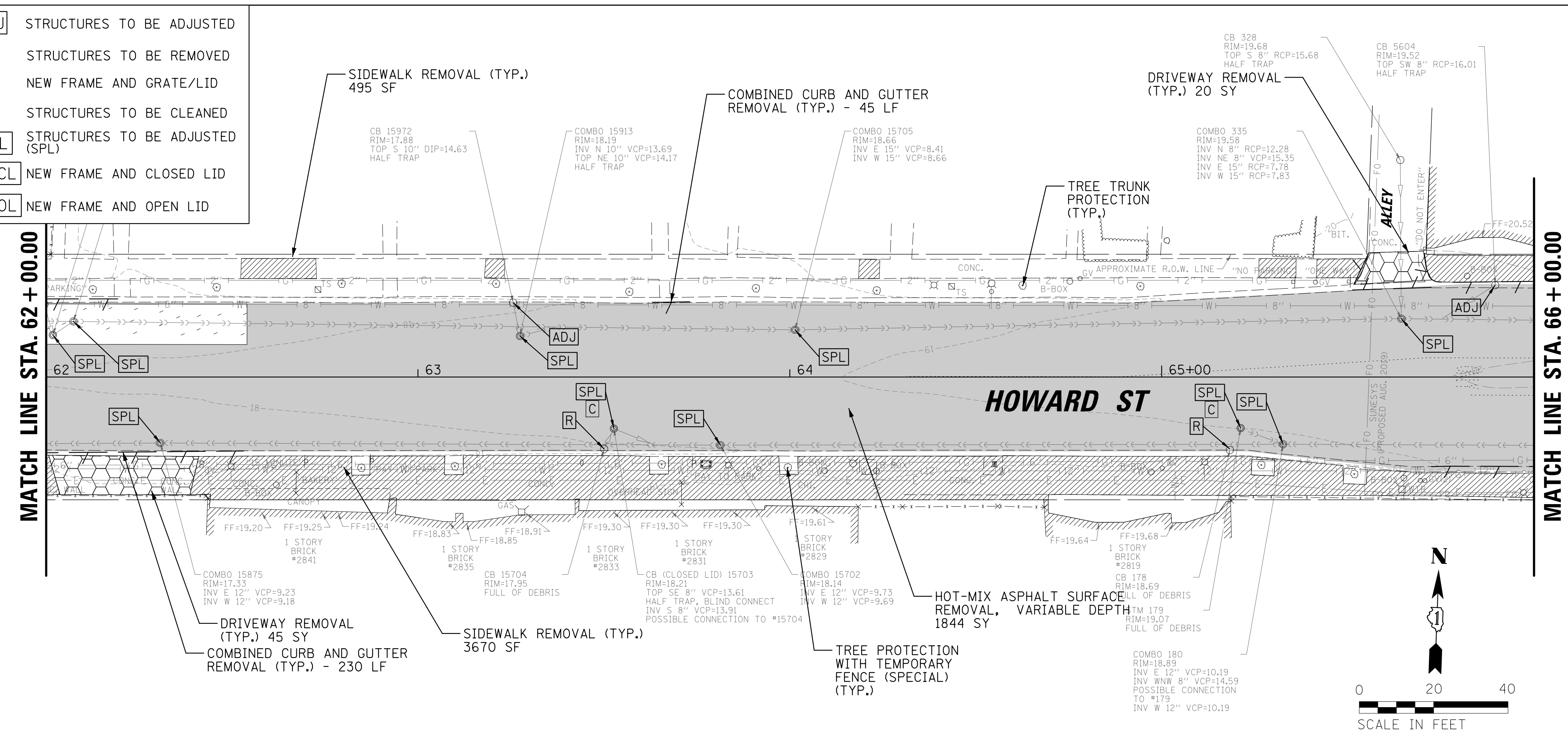
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
EXISTING CONDITIONS**
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	36
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				

LEGEND	
	PAVEMENT REMOVAL (44000100)
	DRIVEWAY REMOVAL (44000200)
	SIDEWALK REMOVAL (44000600)
	BRICK SIDEWALK REMOVAL (X0326864)
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (X4401198)
	COMB. CONC. CURB AND GUTTER REMOVAL (44000500)
	COMBINED SEWER REMOVAL
ADJ	STRUCTURES TO BE ADJUSTED
R	STRUCTURES TO BE REMOVED
NF	NEW FRAME AND GRATE/LID
C	STRUCTURES TO BE CLEANED
SPL	STRUCTURES TO BE ADJUSTED (SPL)
F-CL	NEW FRAME AND CLOSED LID
F-OL	NEW FRAME AND OPEN LID

NOTES:
 1. SEE TREE PRESERVATION, REMOVAL & RELOCATION PLANS TO AVOID CONFLICTING NOTES.



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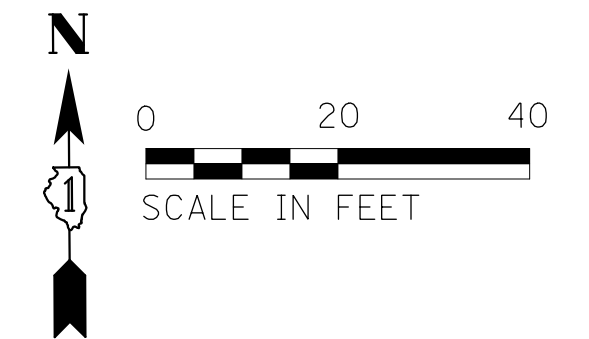
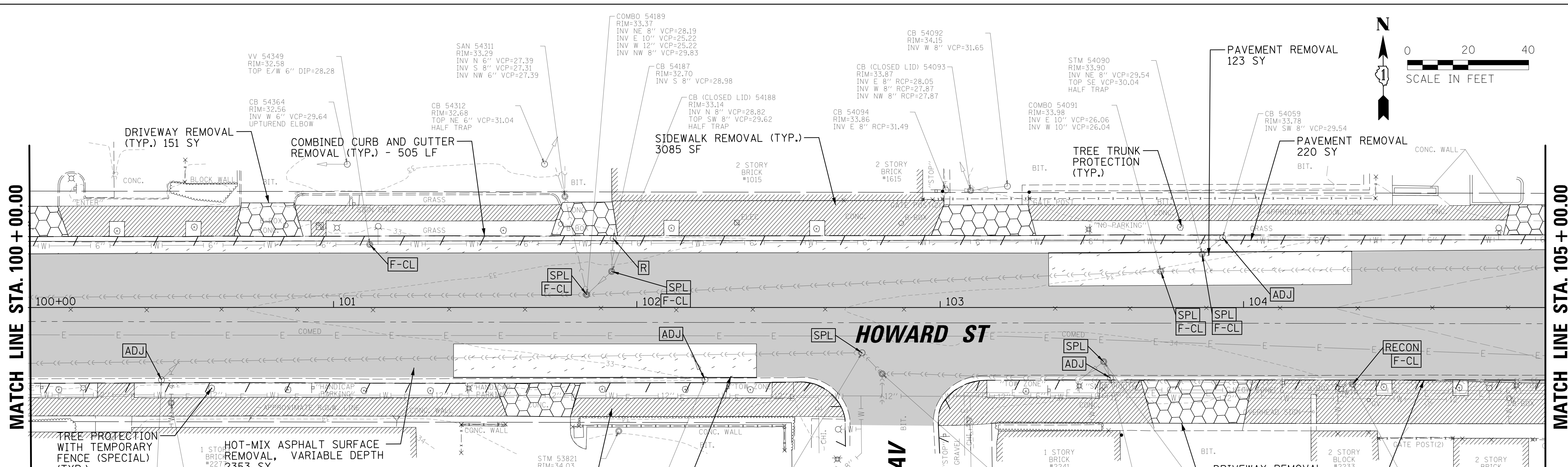
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DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
REMOVAL PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

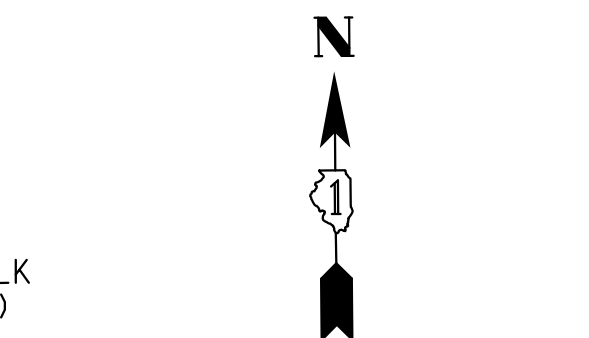
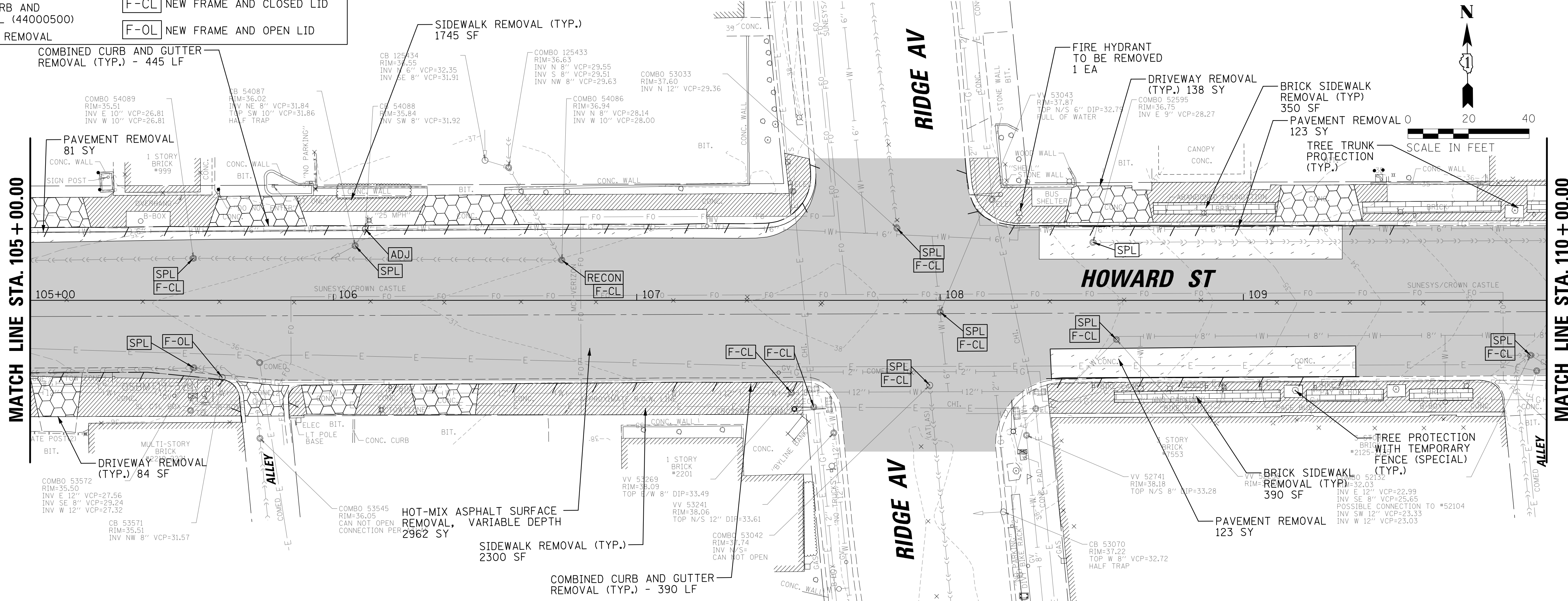
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	39
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



LEGEND

PAVEMENT REMOVAL (44000100)	STRUCTURES TO BE ADJUSTED
DRIVEWAY REMOVAL (44000200)	STRUCTURES TO BE REMOVED
SIDEWALK REMOVAL (44000600)	NEW FRAME AND GRATE/LID
BRICK SIDEWALK REMOVAL (X0326864)	STRUCTURES TO BE CLEANED
HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (X4401198)	STRUCTURES TO BE ADJUSTED (SPL)
COMB. CONC. CURB AND GUTTER REMOVAL (44000500)	NEW FRAME AND CLOSED LID
COMBINED SEWER REMOVAL	NEW FRAME AND OPEN LID

NOTES:
 1. SEE TREE PRESERVATION, REMOVAL & RELOCATION PLANS TO AVOID CONFLICTING NOTES.



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		CHECKED - MEK	REVISED -						ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -										

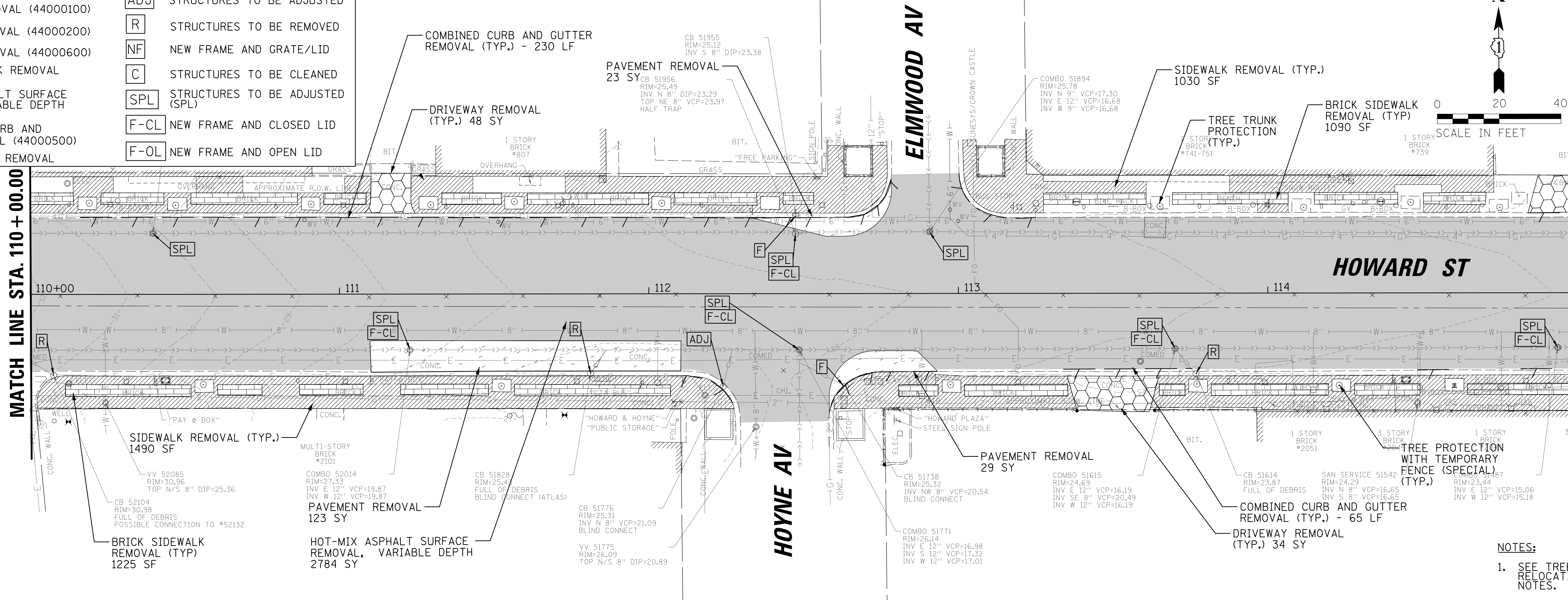
LEGEND

- PAVEMENT REMOVAL (44000100)
- DRIVEWAY REMOVAL (44000200)
- SIDEWALK REMOVAL (44000600)
- BRICK SIDEWALK REMOVAL (X0326864)
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (X4401198)
- COMB. CONC. CURB AND GUTTER REMOVAL (44000500)
- COMBINED SEWER REMOVAL

- ADJ** STRUCTURES TO BE ADJUSTED
- R** STRUCTURES TO BE REMOVED
- NF** NEW FRAME AND GRATE/LID
- C** STRUCTURES TO BE CLEANED
- SPL** STRUCTURES TO BE ADJUSTED (SPL)
- F-CL** NEW FRAME AND CLOSED LID
- F-OL** NEW FRAME AND OPEN LID

MATCH LINE STA. 110 + 00.00

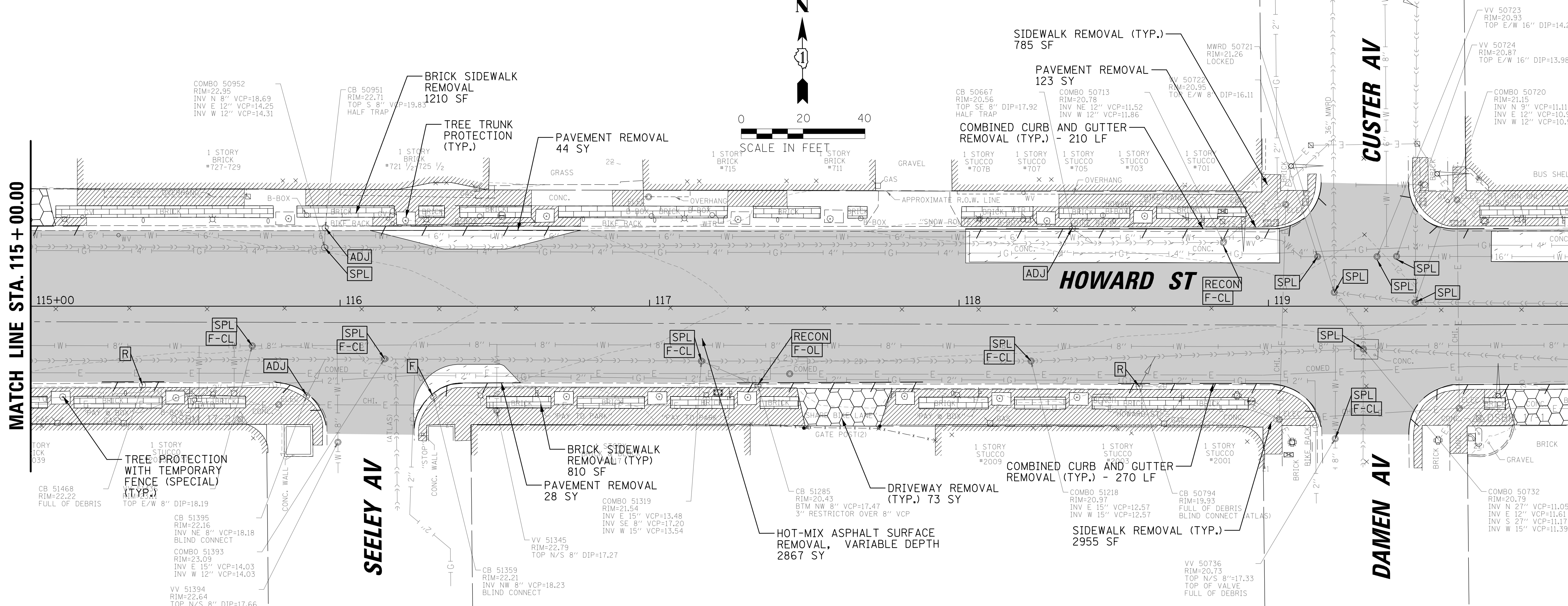
MATCH LINE STA. 115 + 00.00



NOTES:
1. SEE TREE PRESERVATION, REMOVAL & RELOCATION PLANS TO AVOID CONFLICTING NOTES.

MATCH LINE STA. 115 + 00.00

MATCH LINE STA. 120 + 00.00



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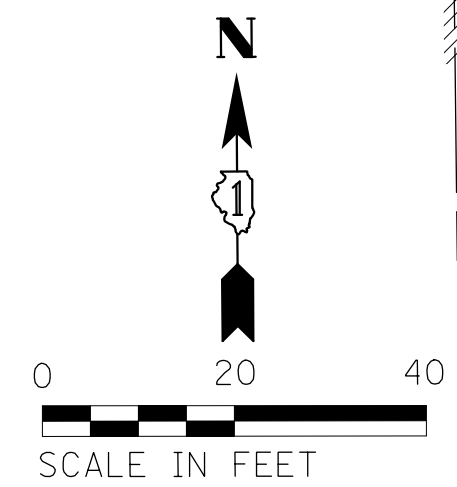
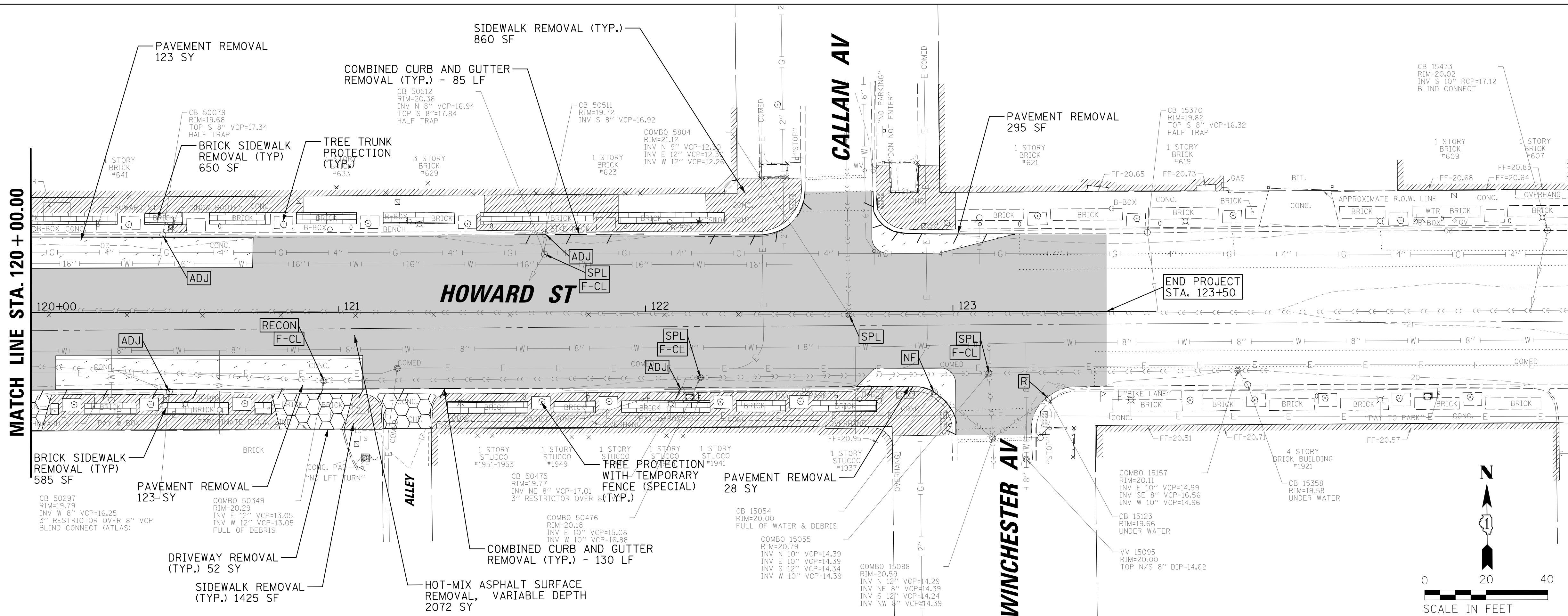
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CHECKED - MEK	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
REMOVAL PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	44
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



LEGEND	
	PAVEMENT REMOVAL (44000100)
	DRIVEWAY REMOVAL (44000200)
	SIDEWALK REMOVAL (44000600)
	BRICK SIDEWALK REMOVAL (X0326864)
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (X4401198)
	COMB. CONC. CURB AND GUTTER REMOVAL (44000500)
	COMBINED SEWER REMOVAL
ADJ	STRUCTURES TO BE ADJUSTED
R	STRUCTURES TO BE REMOVED
NF	NEW FRAME AND GRATE/LID
C	STRUCTURES TO BE CLEANED
SPL	STRUCTURES TO BE ADJUSTED (SPL)
F-CL	NEW FRAME AND CLOSED LID
F-OL	NEW FRAME AND OPEN LID

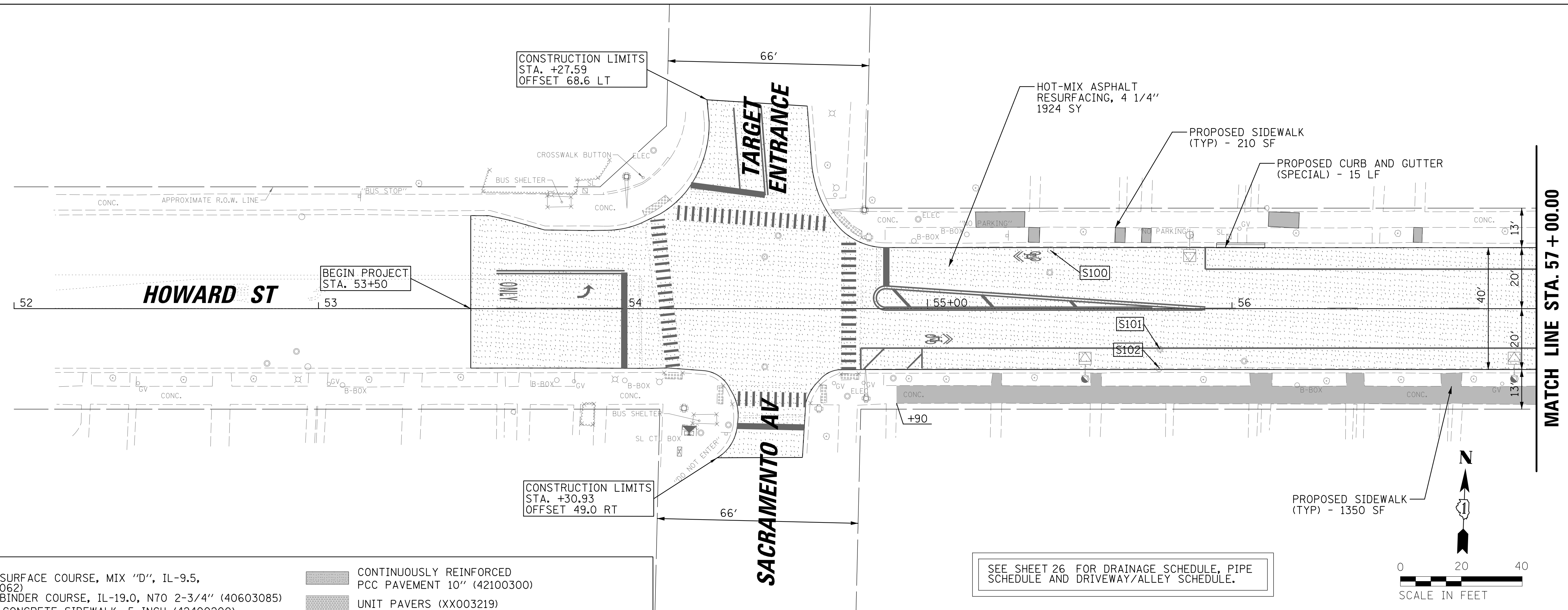
NOTES:
 1. SEE TREE PRESERVATION, REMOVAL & RELOCATION PLANS TO AVOID CONFLICTING NOTES.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

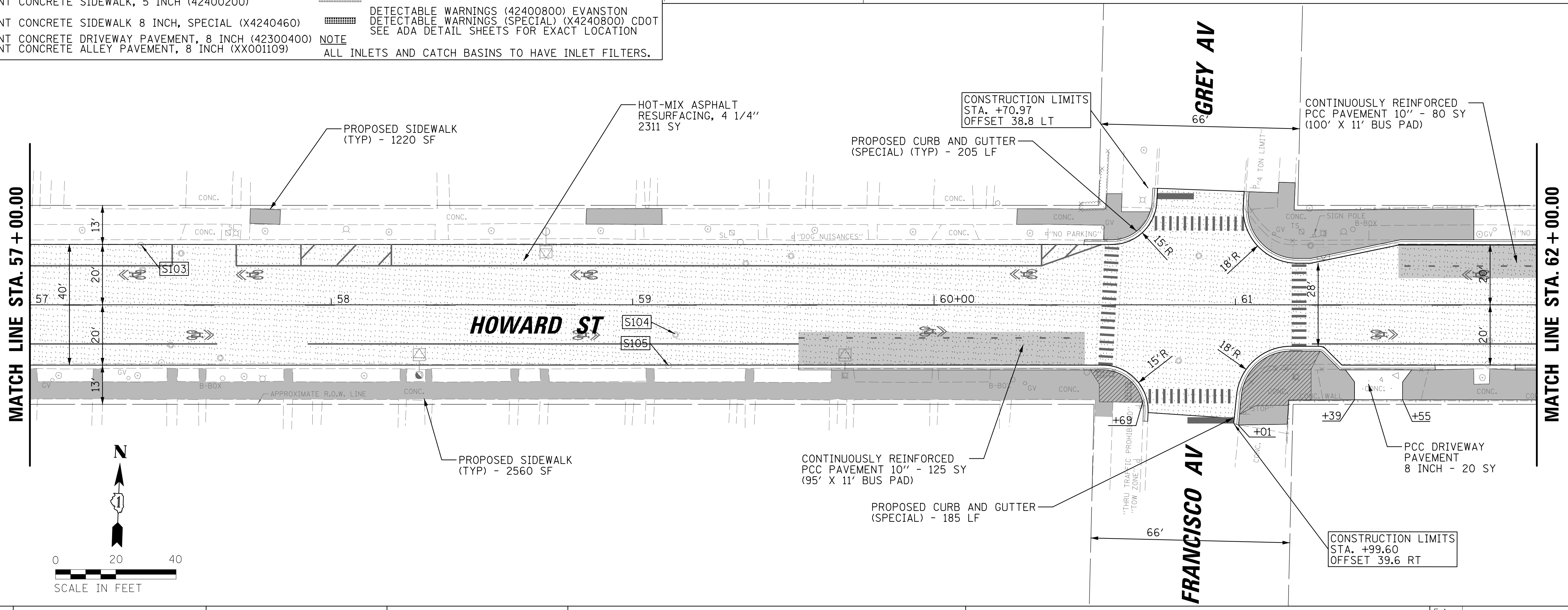
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SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	45
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



LEGEND	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1-1/2" (40604062)
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2-3/4" (40603085)
	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (42400200)
	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL (X4240460)
	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (42300400)
	PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8 INCH (XX001109)
	CONTINUOUSLY REINFORCED PCC PAVEMENT 10" (42100300)
	UNIT PAVERS (XX003219)
	DETECTABLE WARNINGS (42400800) EVANSTON DETECTABLE WARNINGS (SPECIAL) (X4240800) CDOT SEE ADA DETAIL SHEETS FOR EXACT LOCATION
NOTE ALL INLETS AND CATCH BASINS TO HAVE INLET FILTERS.	

SEE SHEET 26 FOR DRAINAGE SCHEDULE, PIPE SCHEDULE AND DRIVEWAY/ALLEY SCHEDULE.



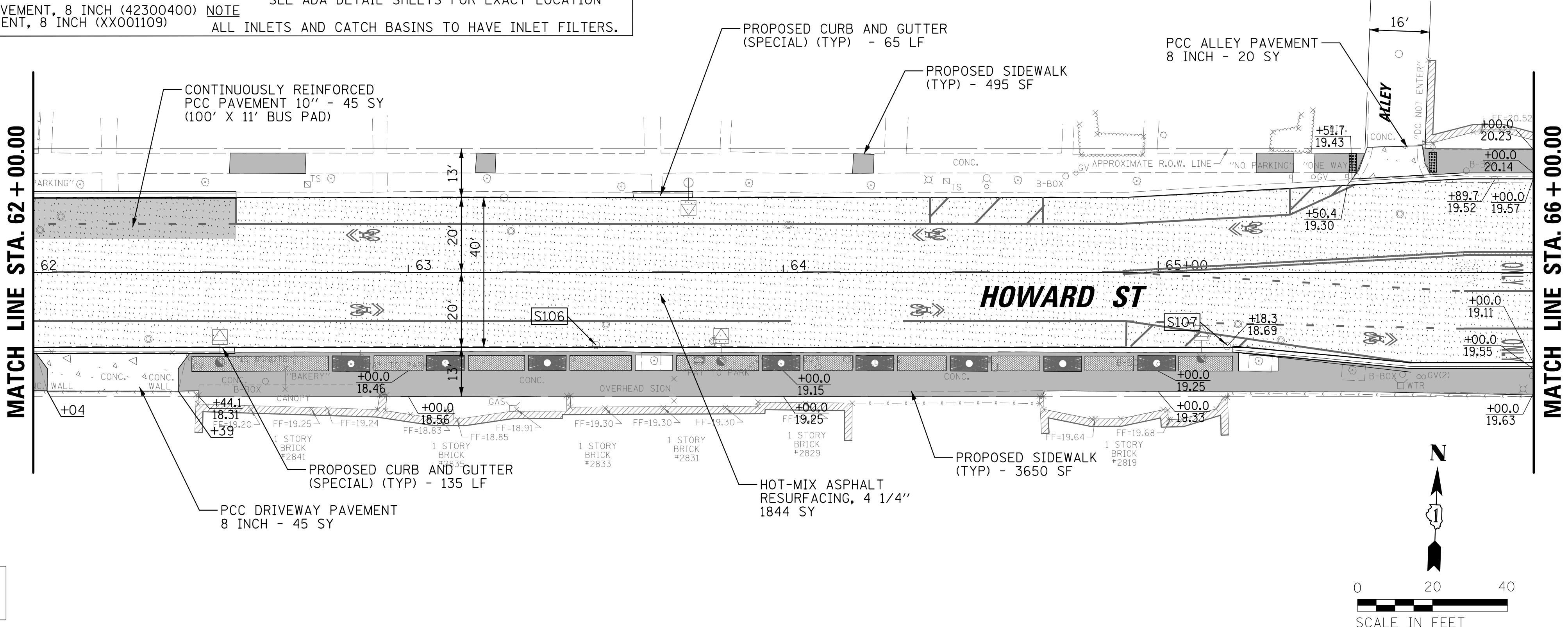
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

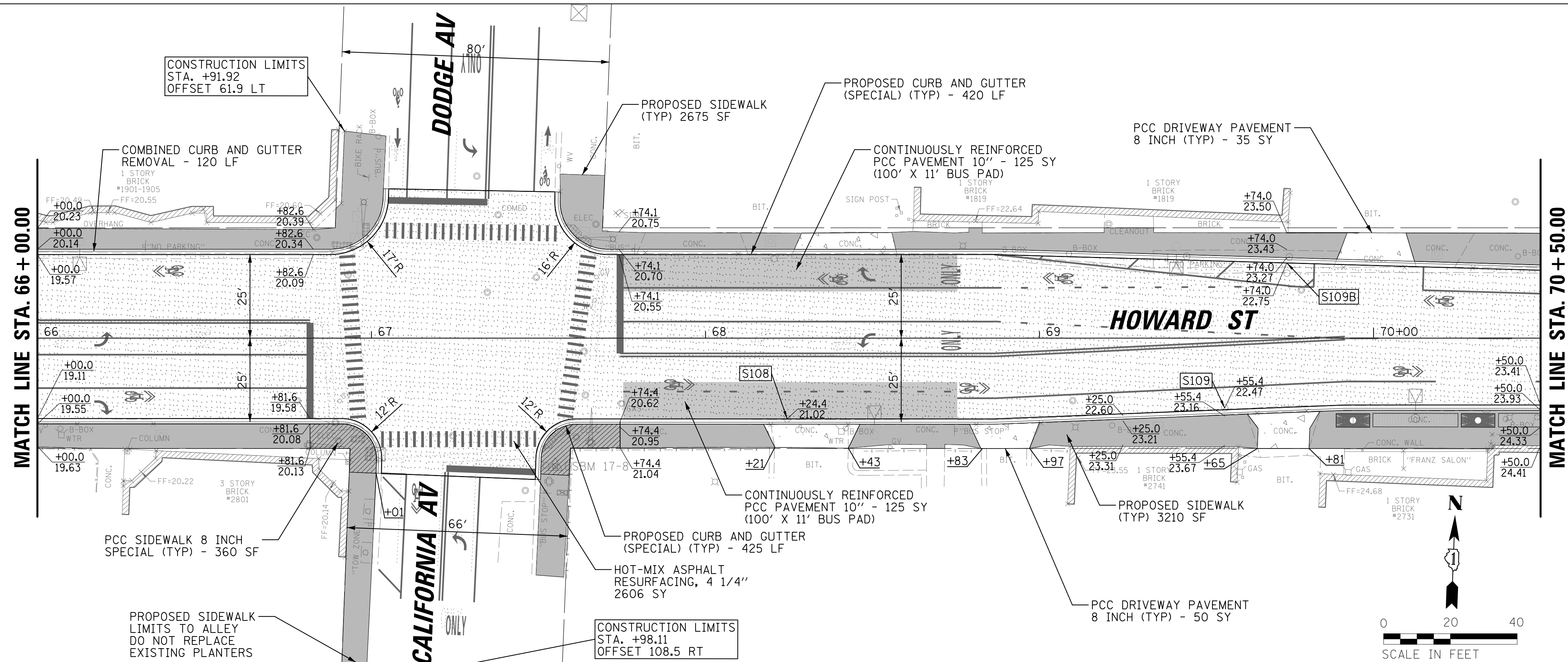
HOWARD STREET CORRIDOR IMPROVEMENT PROJECT	
PROPOSED PLAN	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	46
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				

LEGEND	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1-1/2" (40604062)
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2-3/4" (40603085)
	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (42400200)
	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL (X4240460)
	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (42300400)
	PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8 INCH (XX001109)
	CONTINUOUSLY REINFORCED PCC PAVEMENT 10" (42100300)
	UNIT PAVERS (XX003219)
	DETECTABLE WARNINGS (42400800) EVANSTON DETECTABLE WARNINGS (SPECIAL) (X4240800) CDOT SEE ADA DETAIL SHEETS FOR EXACT LOCATION
NOTE ALL INLETS AND CATCH BASINS TO HAVE INLET FILTERS.	



SEE SHEET 26 FOR DRAINAGE SCHEDULE, PIPE SCHEDULE AND DRIVEWAY/ALLEY SCHEDULE.



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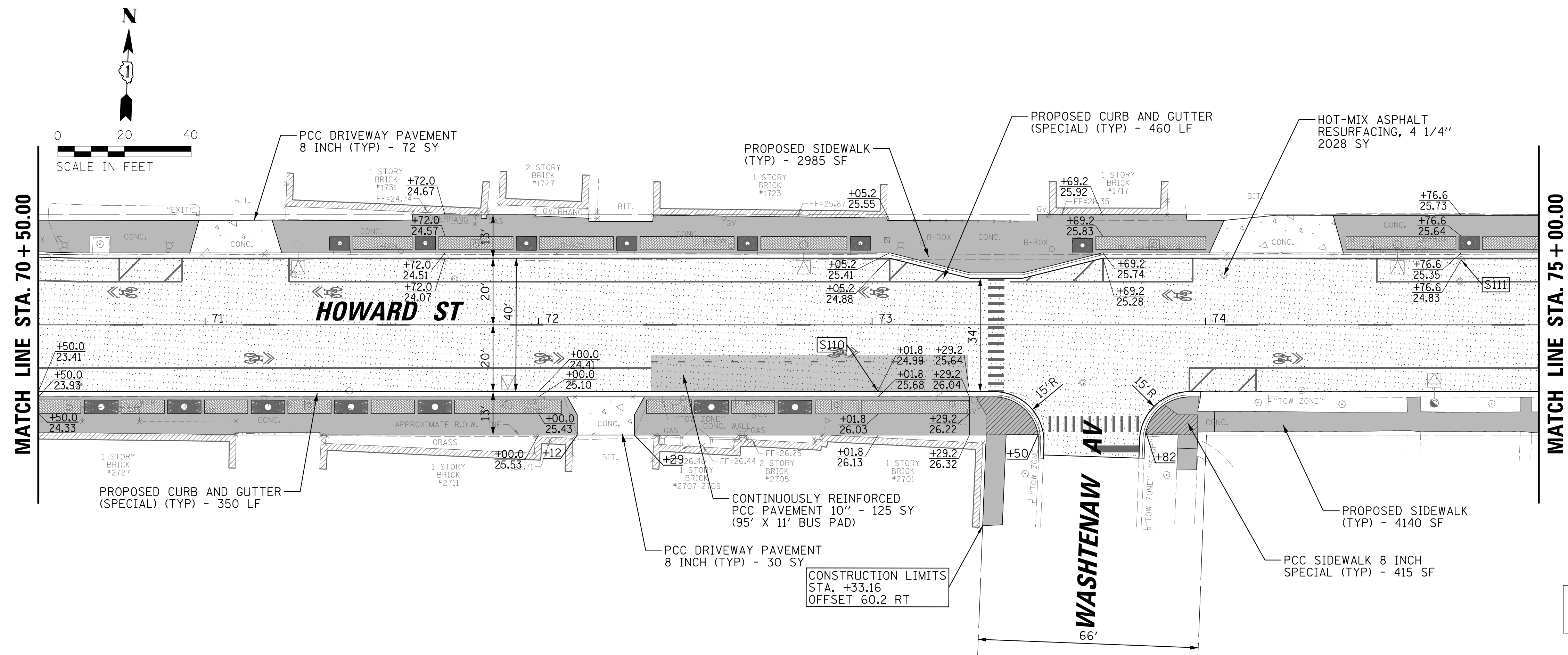
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

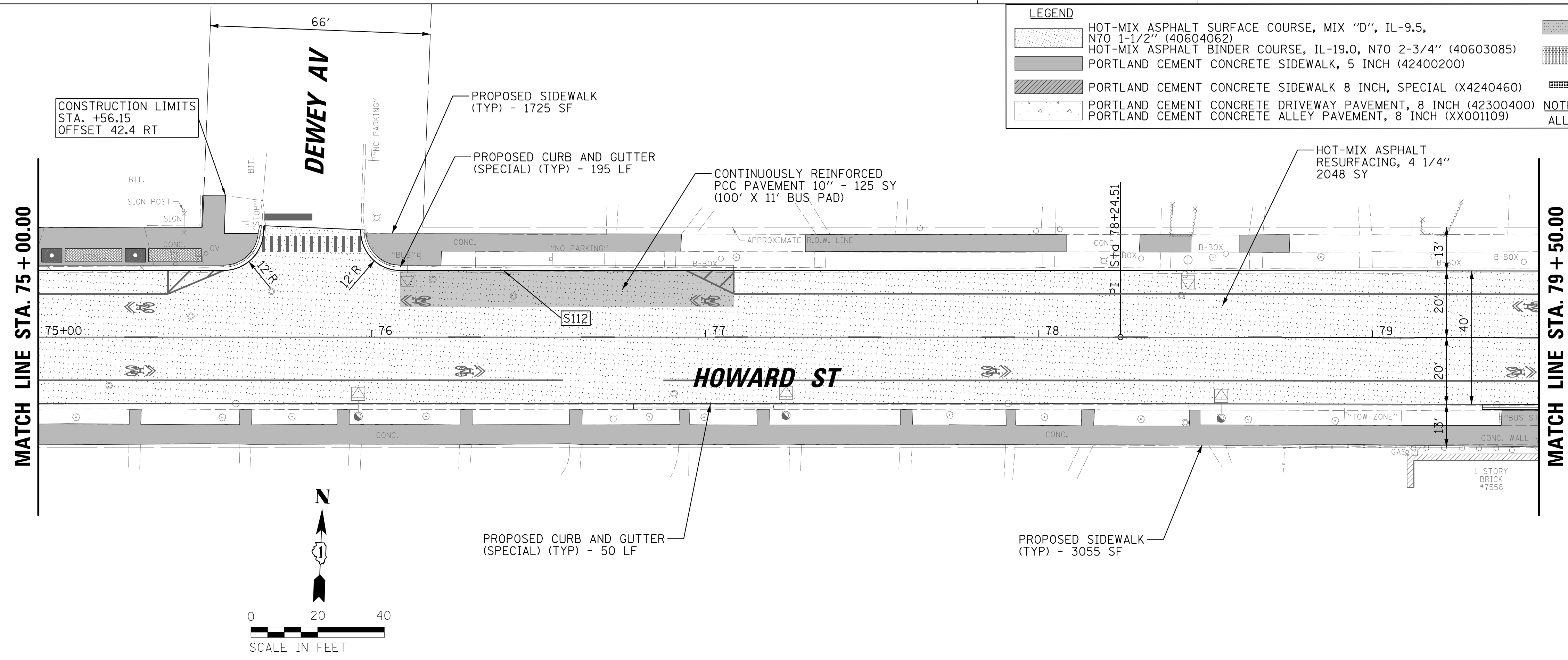
**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
PROPOSED PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	47
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



SEE SHEET 26 FOR DRAINAGE SCHEDULE, PIPE SCHEDULE AND DRIVEWAY/ALLEY SCHEDULE.



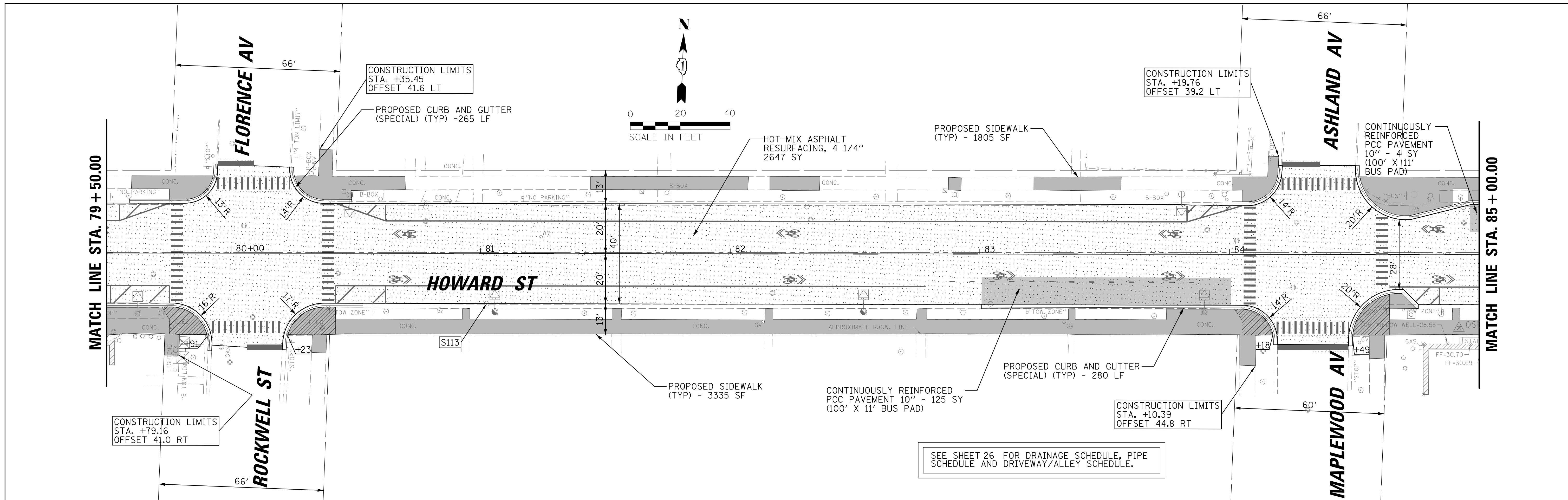
LEGEND	
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[Pattern]	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2-3/4" (40603085)
[Pattern]	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (42400200)
[Pattern]	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL (X4240460)
[Pattern]	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (42300400)
[Pattern]	PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8 INCH (XX001109)
[Pattern]	CONTINUOUSLY REINFORCED PCC PAVEMENT 10" (42100300)
[Pattern]	UNIT PAVERS (XX003219)
[Pattern]	DETECTABLE WARNINGS (42400800) EVANSTON
[Pattern]	DETECTABLE WARNINGS (SPECIAL) (X4240800) CDOOT
NOTE: ALL INLETS AND CATCH BASINS TO HAVE INLET FILTERS.	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HOWARD STREET CORRIDOR IMPROVEMENT PROJECT				
PROPOSED PLAN				
SCALE:	SHEET	OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	48
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



LEGEND	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1-1/2" (40604062)
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2-3/4" (40603085)
	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (42400200)
	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL (X4240460)
	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (42300400)
	PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8 INCH (XX001109)
	CONTINUOUSLY REINFORCED PCC PAVEMENT 10" (42100300)
	UNIT PAVERS (XX003219)
	DETECTABLE WARNINGS (42400800) EVANSTON
	DETECTABLE WARNINGS (SPECIAL) (X4240800) CDOT
	SEE ADA DETAIL SHEETS FOR EXACT LOCATION
NOTE ALL INLETS AND CATCH BASINS TO HAVE INLET FILTERS.	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
PROPOSED PLAN**

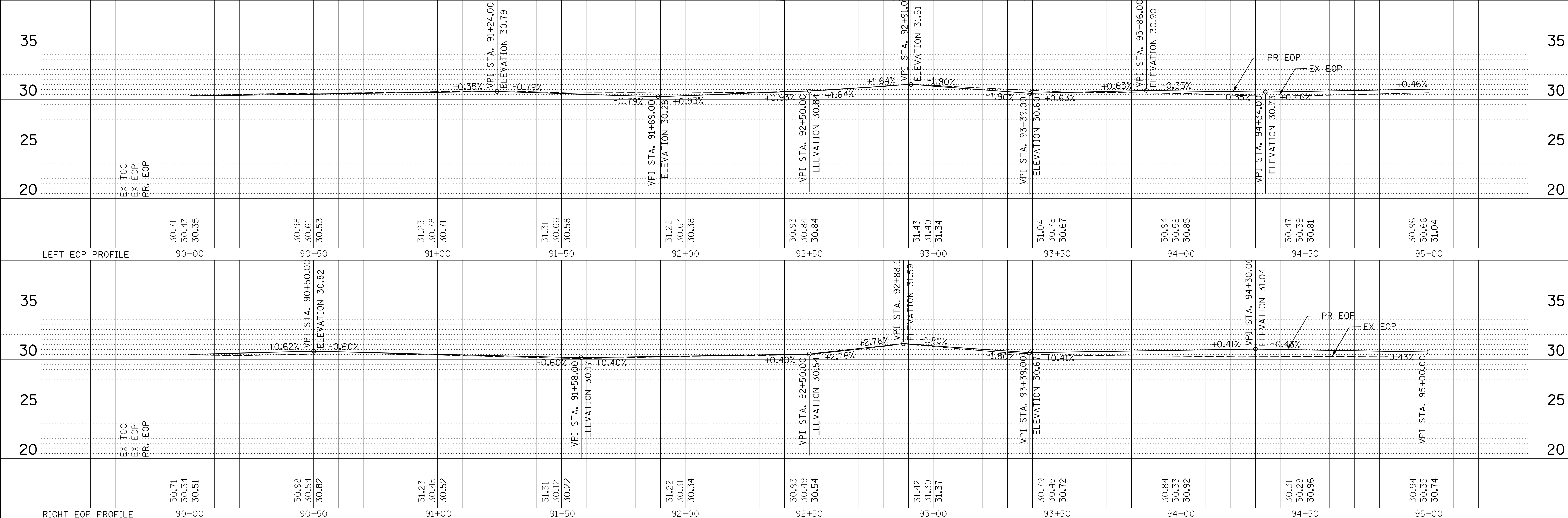
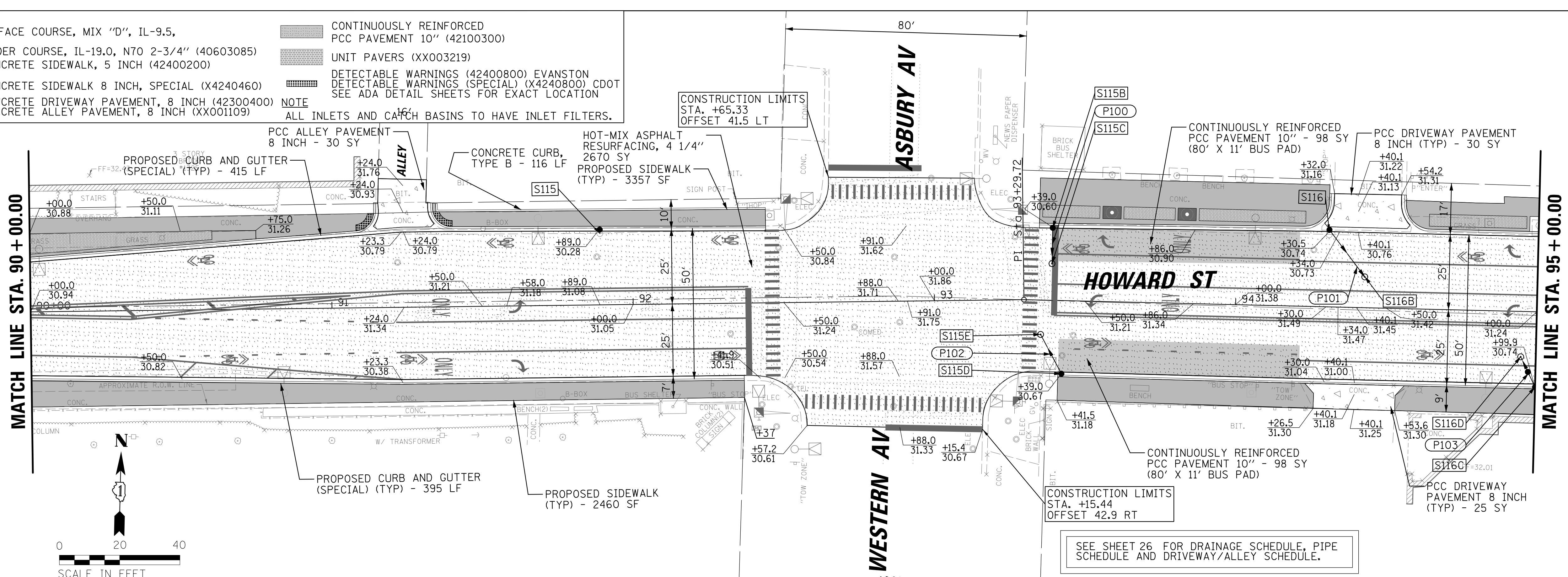
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1334	17-00281-00-RS	COOK	270	49
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1-1/2" (40604062)
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2-3/4" (40603085)
	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (42400200)
	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL (X4240460)
	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (42300400)
	PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8 INCH (XX001109)
	CONTINUOUSLY REINFORCED PCC PAVEMENT 10" (42100300)
	UNIT PAVERS (XX003219)
	DETECTABLE WARNINGS (42400800) EVANSTON DETECTABLE WARNINGS (SPECIAL) (X4240800) CDOT SEE ADA DETAIL SHEETS FOR EXACT LOCATION
NOTE ALL INLETS AND CATCH BASINS TO HAVE INLET FILTERS.	

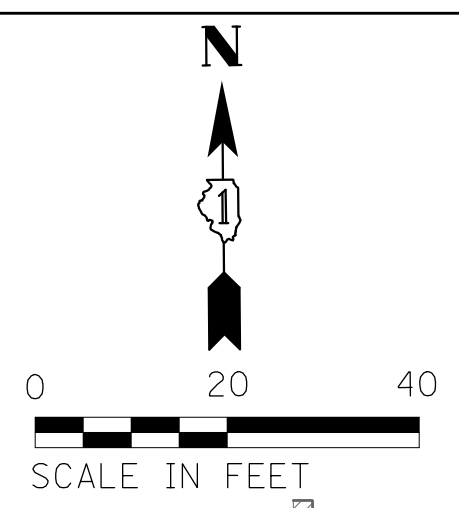
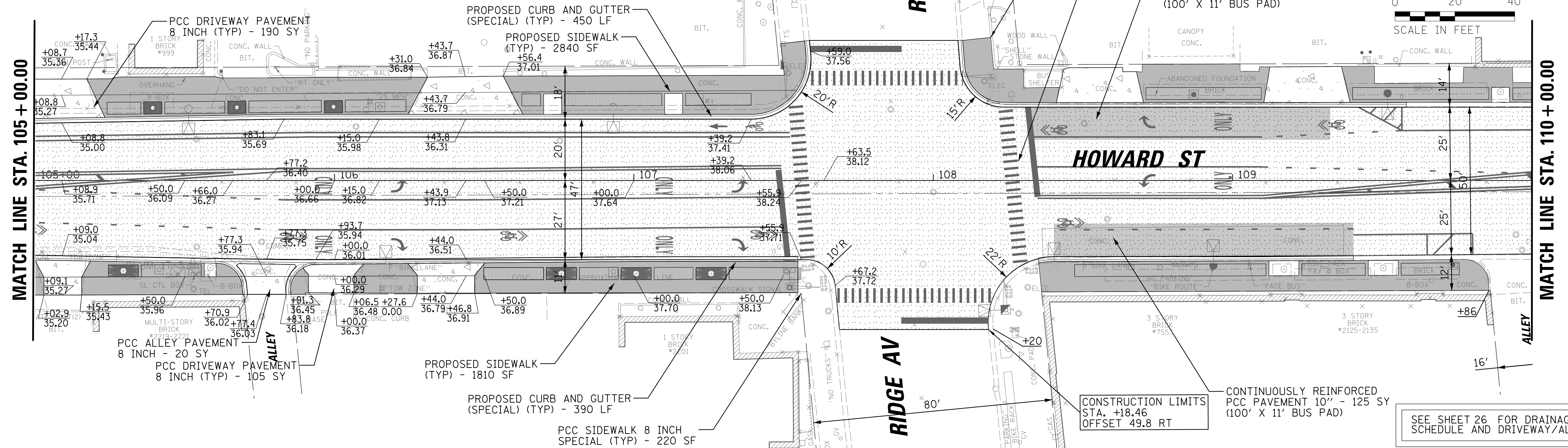
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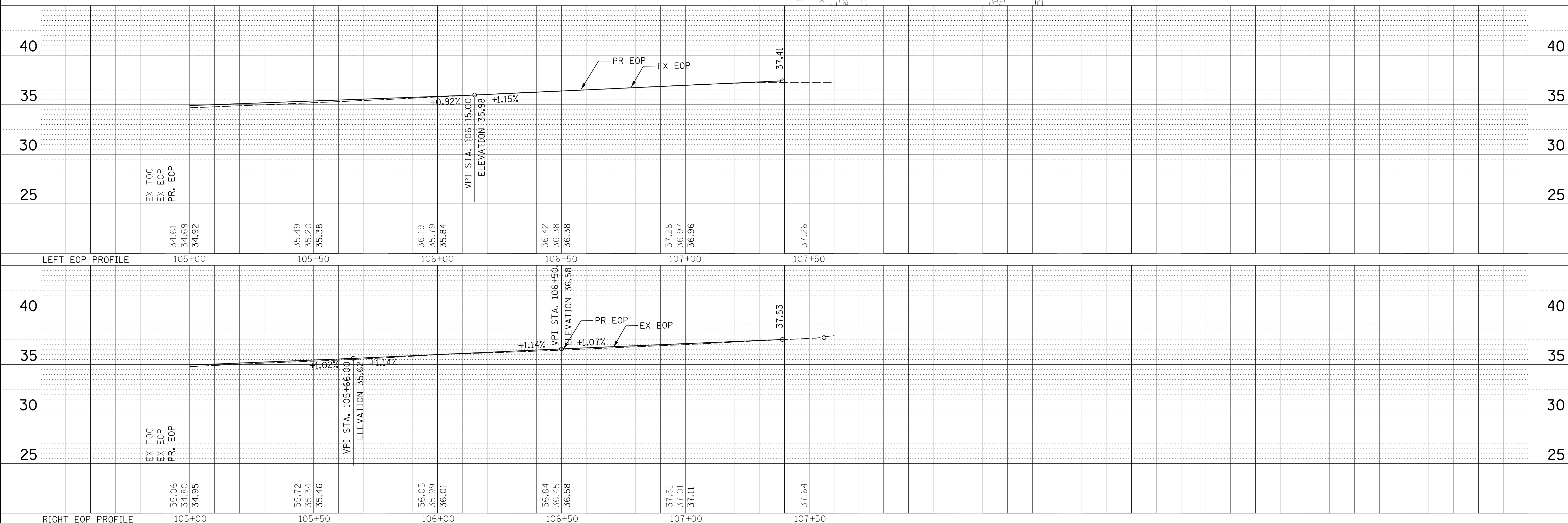
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Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -			CONTRACT NO. 61G30					
	PLOT DATE = 1/14/2020	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET	OF	SHEETS	STA.	TO

LEGEND	
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1-1/2" (40604062)
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2-3/4" (40603085)
	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (42400200)
	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL (X4240460)
	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (42300400)
	PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8 INCH (XX001109)
	CONTINUOUSLY REINFORCED PCC PAVEMENT 10" (42100300)
	UNIT PAVERS (XX003219)
	DETECTABLE WARNINGS (42400800) EVANSTON DETECTABLE WARNINGS (SPECIAL) (X4240800) CDOT SEE ADA DETAIL SHEETS FOR EXACT LOCATION
NOTE ALL INLETS AND CATCH BASINS TO HAVE INLET FILTERS.	



PLAN	SURVEYED	DATE
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	CHECKED	
	ALIGNED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
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	CHECKED	
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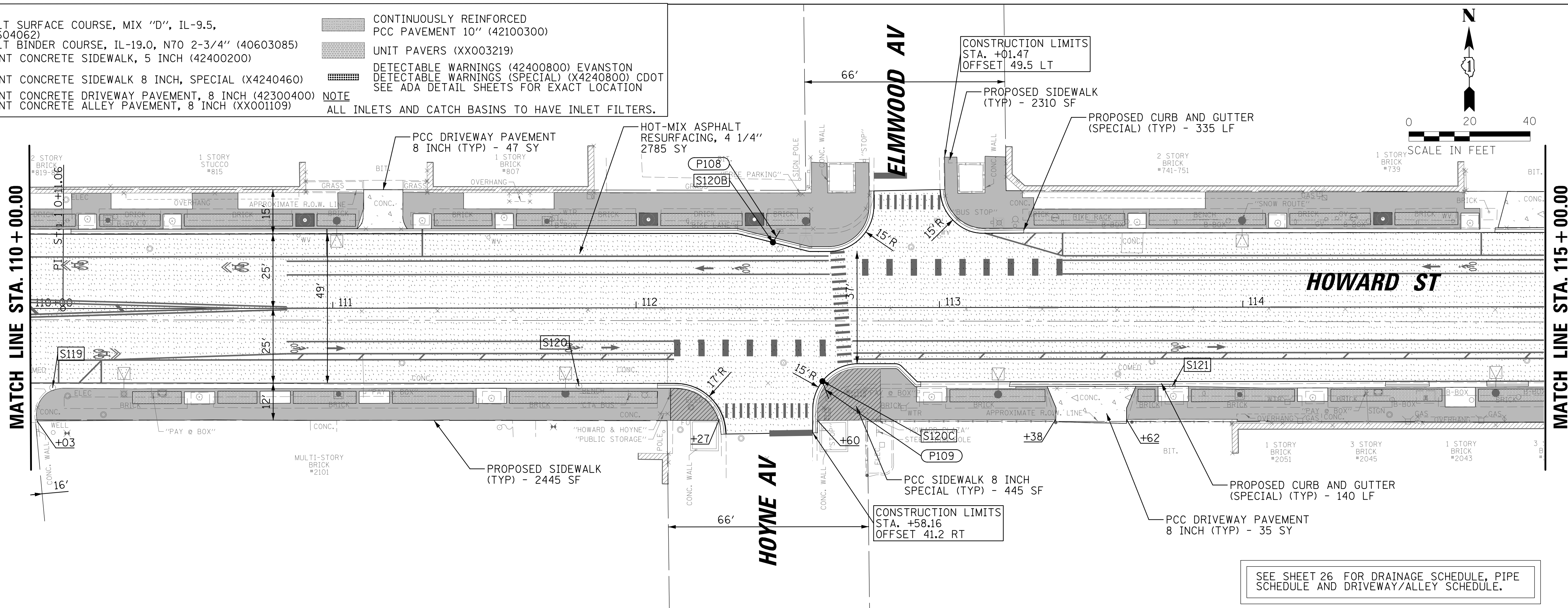
SEE SHEET 26 FOR DRAINAGE SCHEDULE, PIPE SCHEDULE AND DRIVEWAY/ALLEY SCHEDULE.

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	PLOT DATE = 1/14/2020	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE: SHEET OF SHEETS STA. TO STA.					

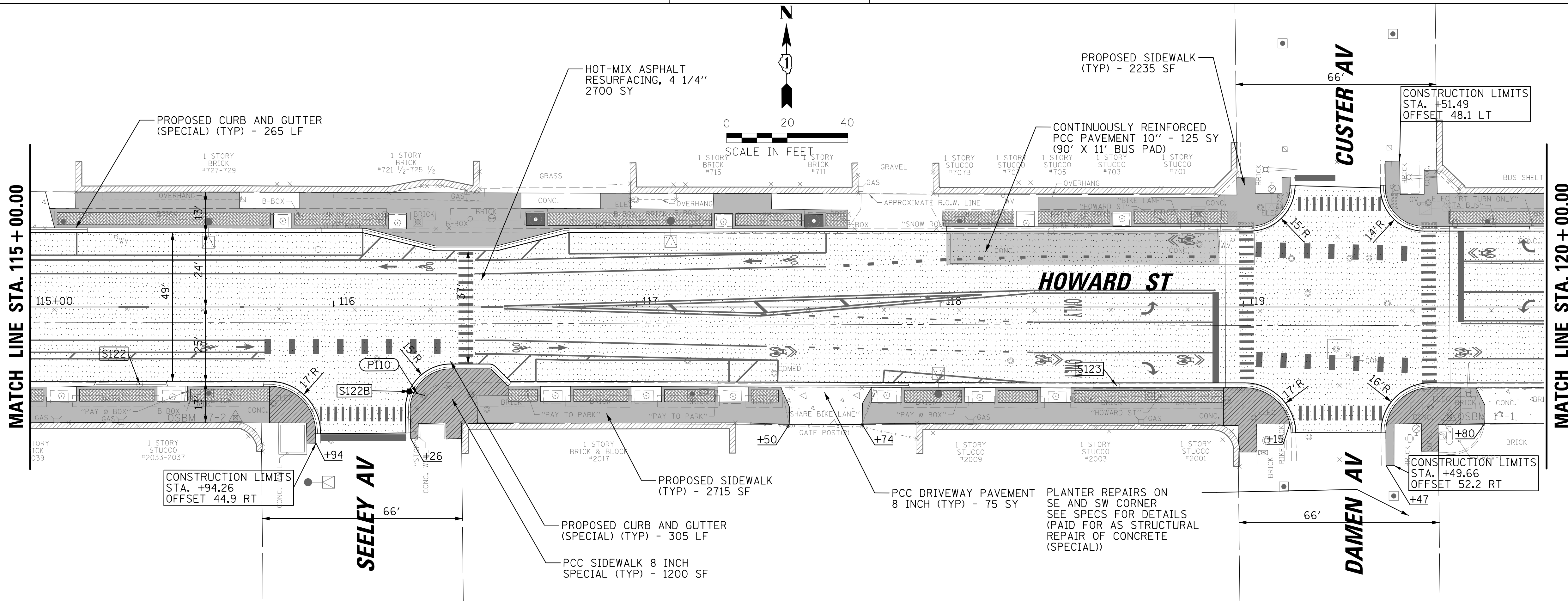
LEGEND

- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1-1/2" (40604062)
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2-3/4" (40603085)
- PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (42400200)
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL (X4240460)
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH (42300400)
- PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8 INCH (XX001109)
- CONTINUOUSLY REINFORCED PCC PAVEMENT 10" (42100300)
- UNIT PAVERS (XX003219)
- DETECTABLE WARNINGS (42400800) EVANSTON
- DETECTABLE WARNINGS (SPECIAL) (X4240800) CDOT

NOTE
ALL INLETS AND CATCH BASINS TO HAVE INLET FILTERS.



SEE SHEET 26 FOR DRAINAGE SCHEDULE, PIPE SCHEDULE AND DRIVEWAY/ALLEY SCHEDULE.



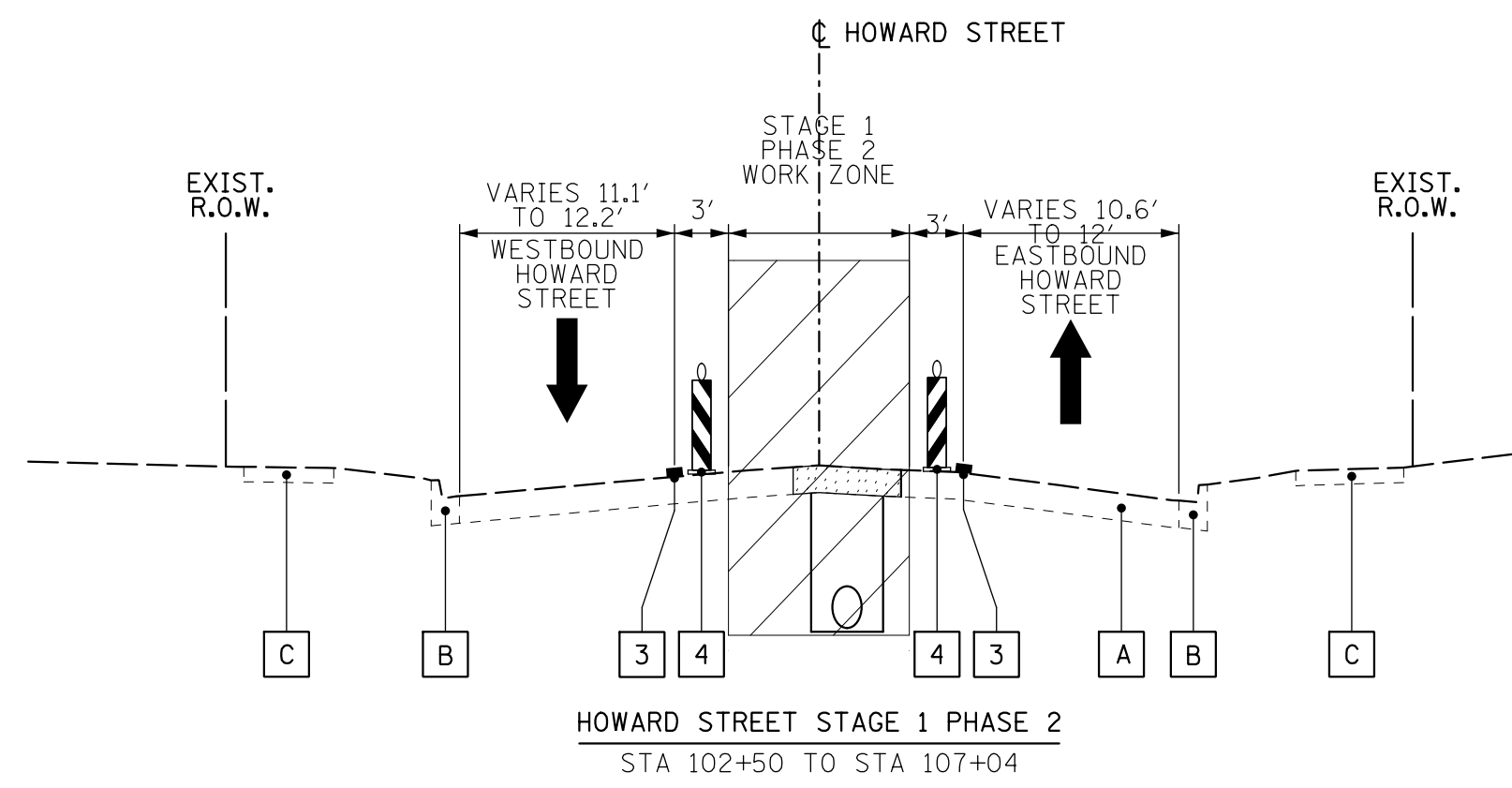
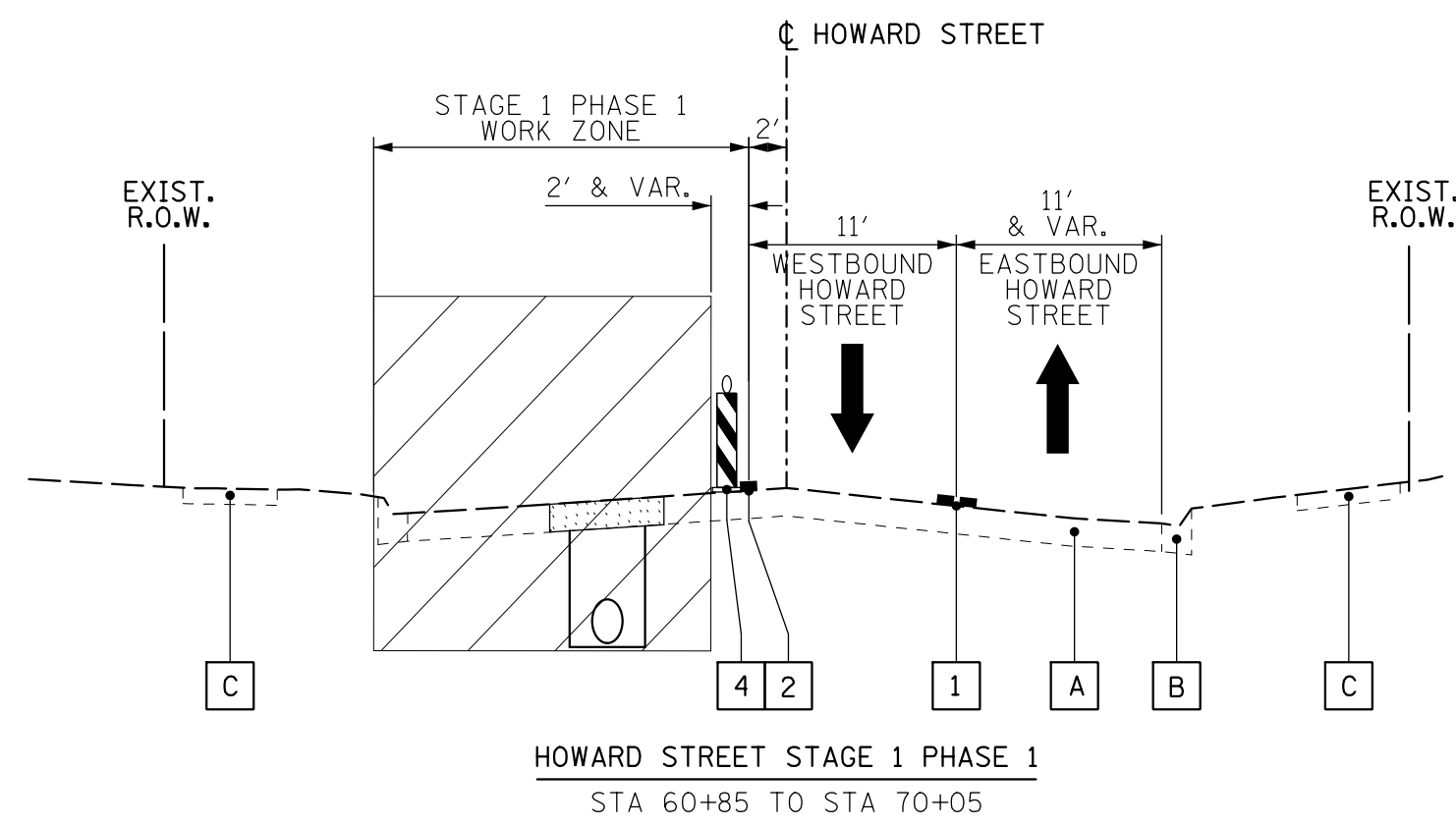
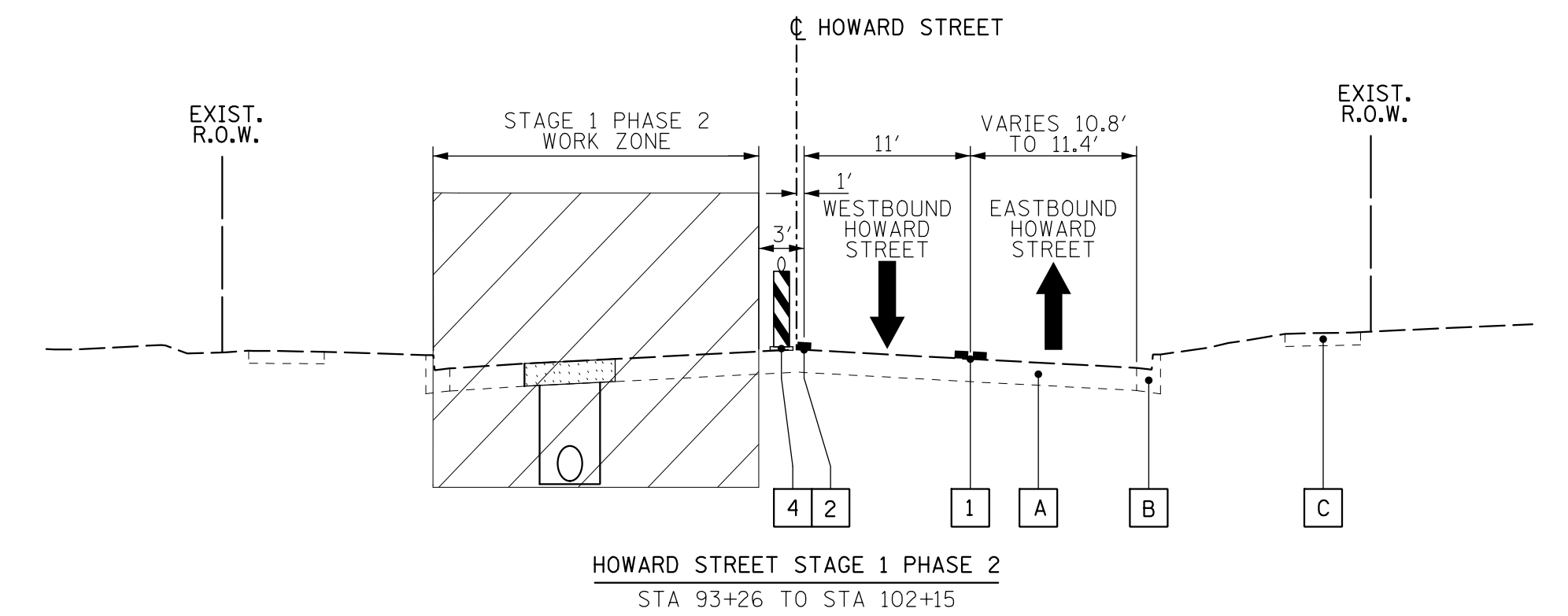
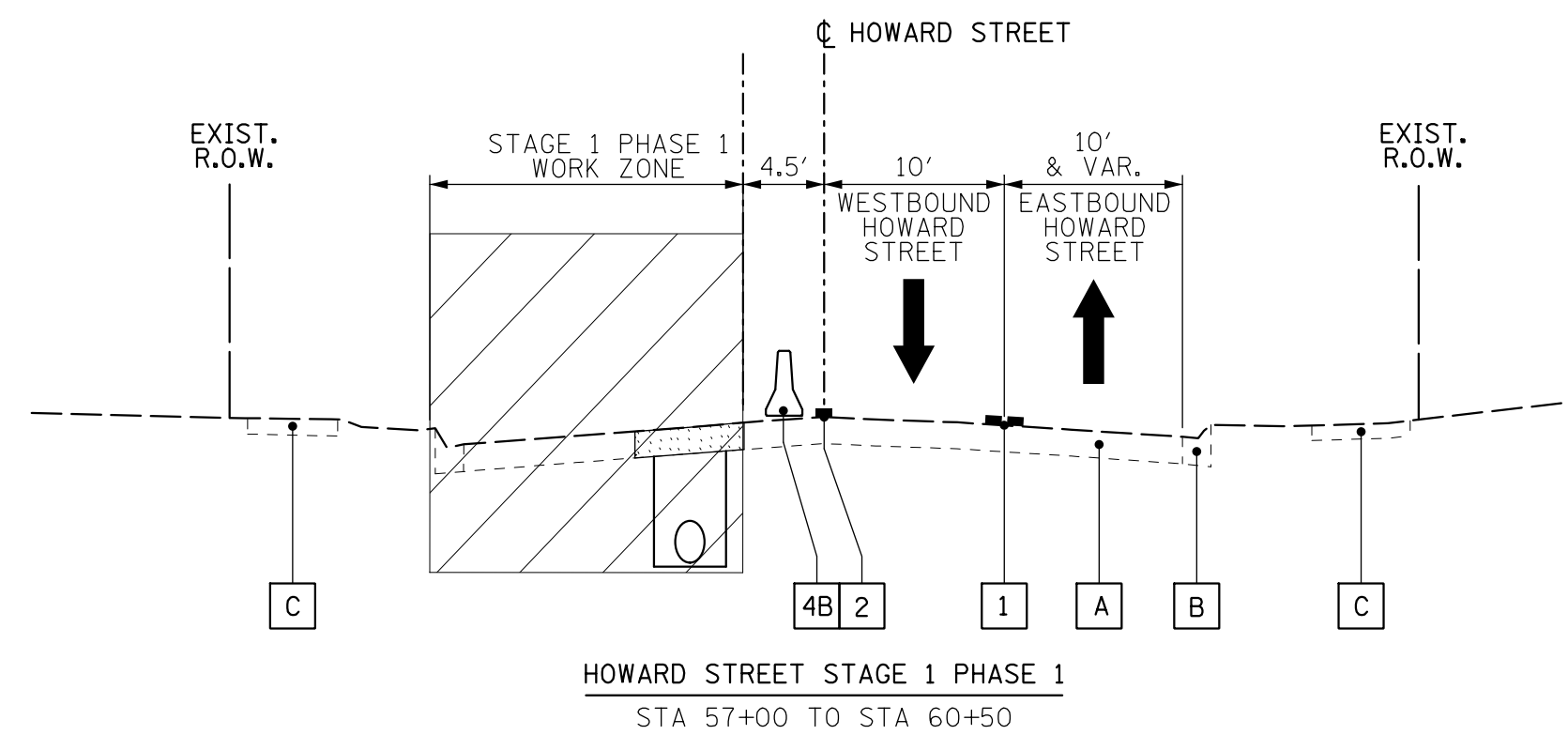
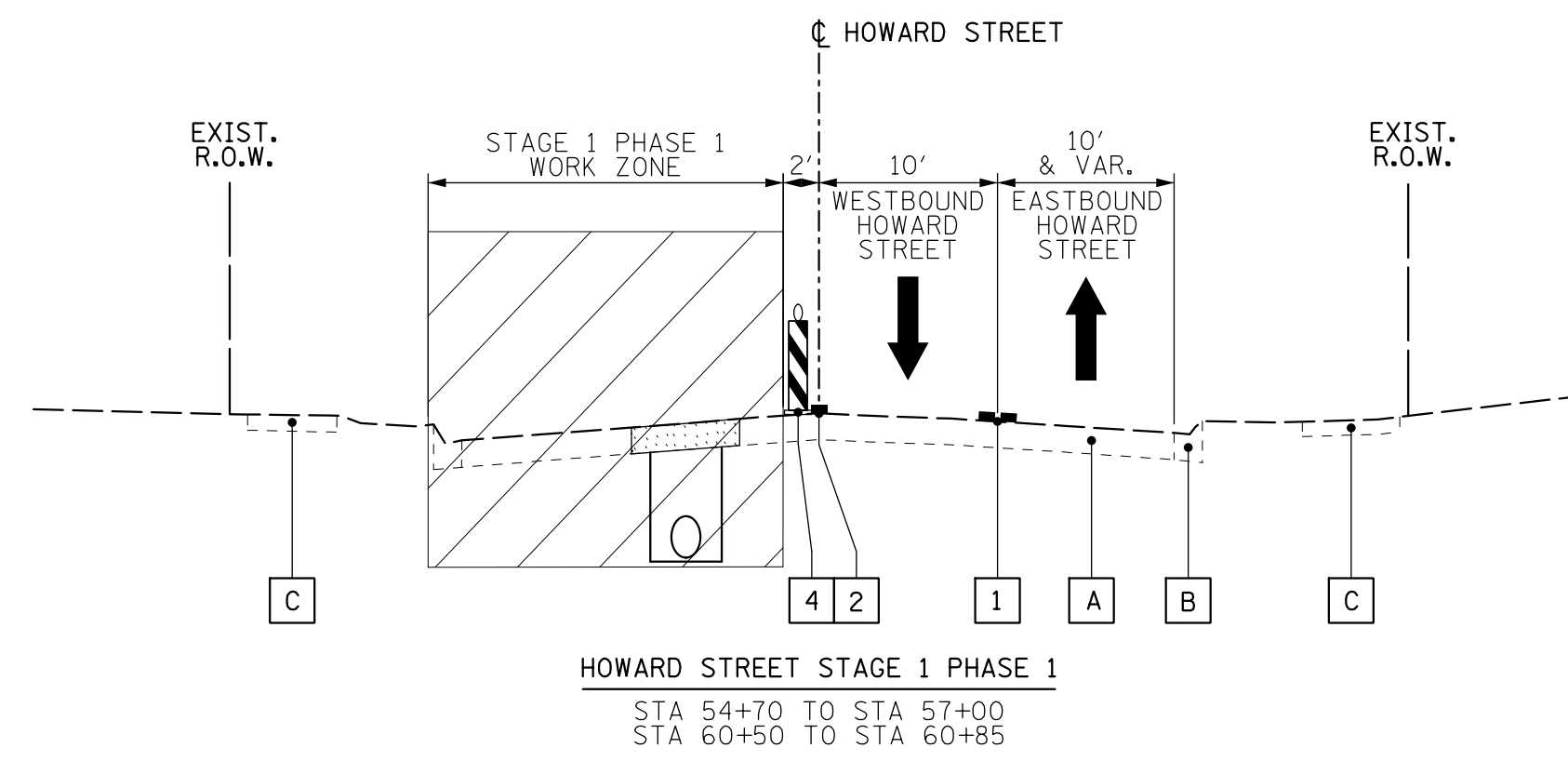
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

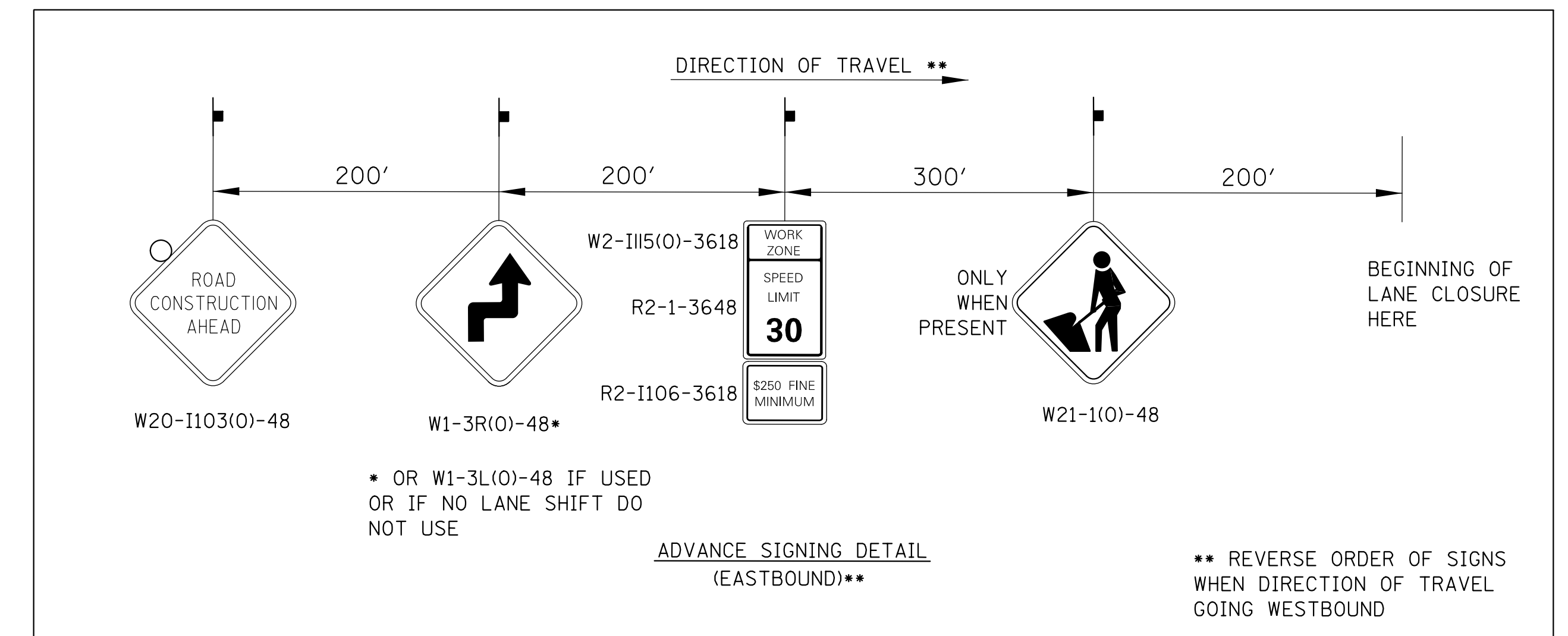
**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
PROPOSED PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	55
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



LEGEND	
1	TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE)
3	TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW)
4	TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE, OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
4B	TEMPORARY CONCRETE BARRIER
A	EXISTING PAVEMENT STRUCTURE
B	EXISTING CURB AND CUTTER
C	EXISTING SIDEWALK
[Hatched Box]	WORK ZONE
[Arrow]	TRAFFIC FLOW

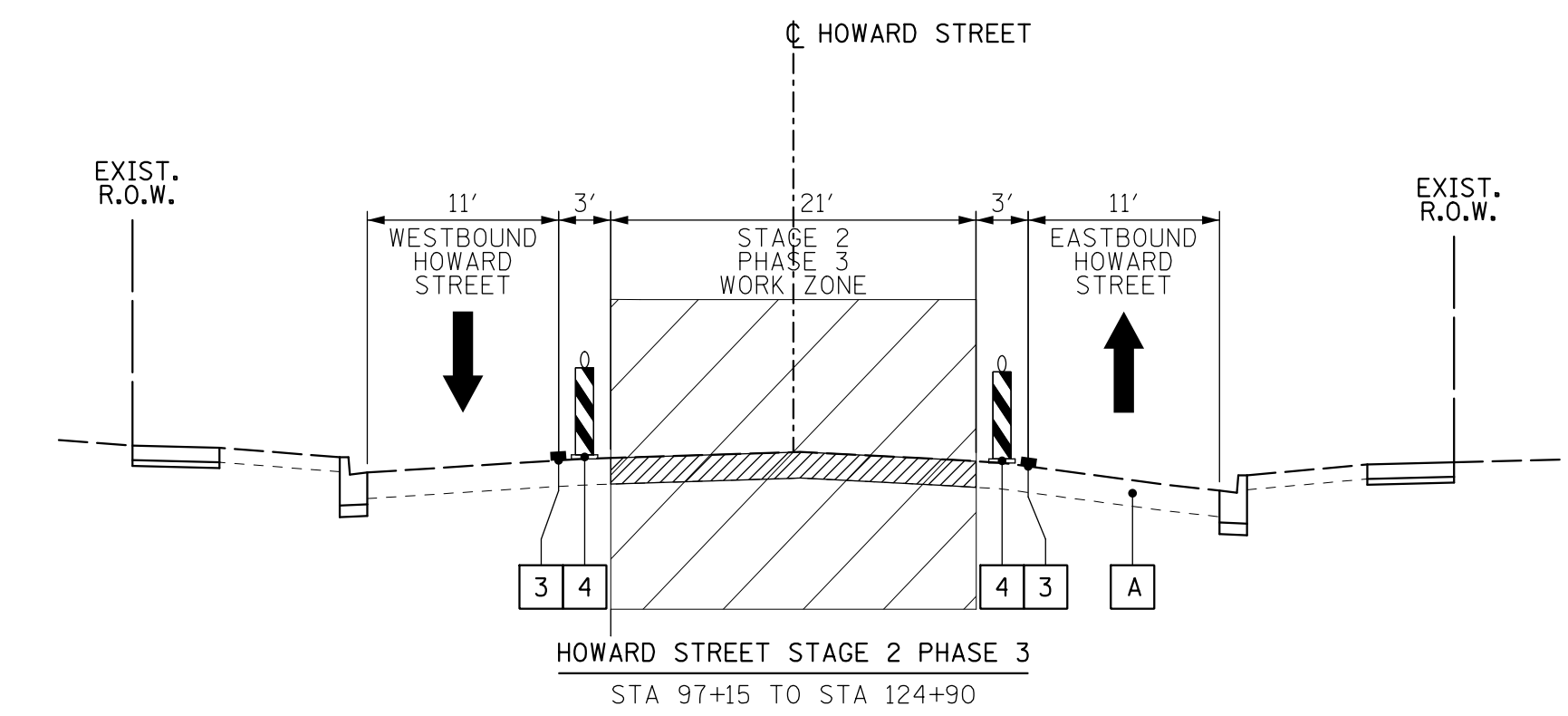
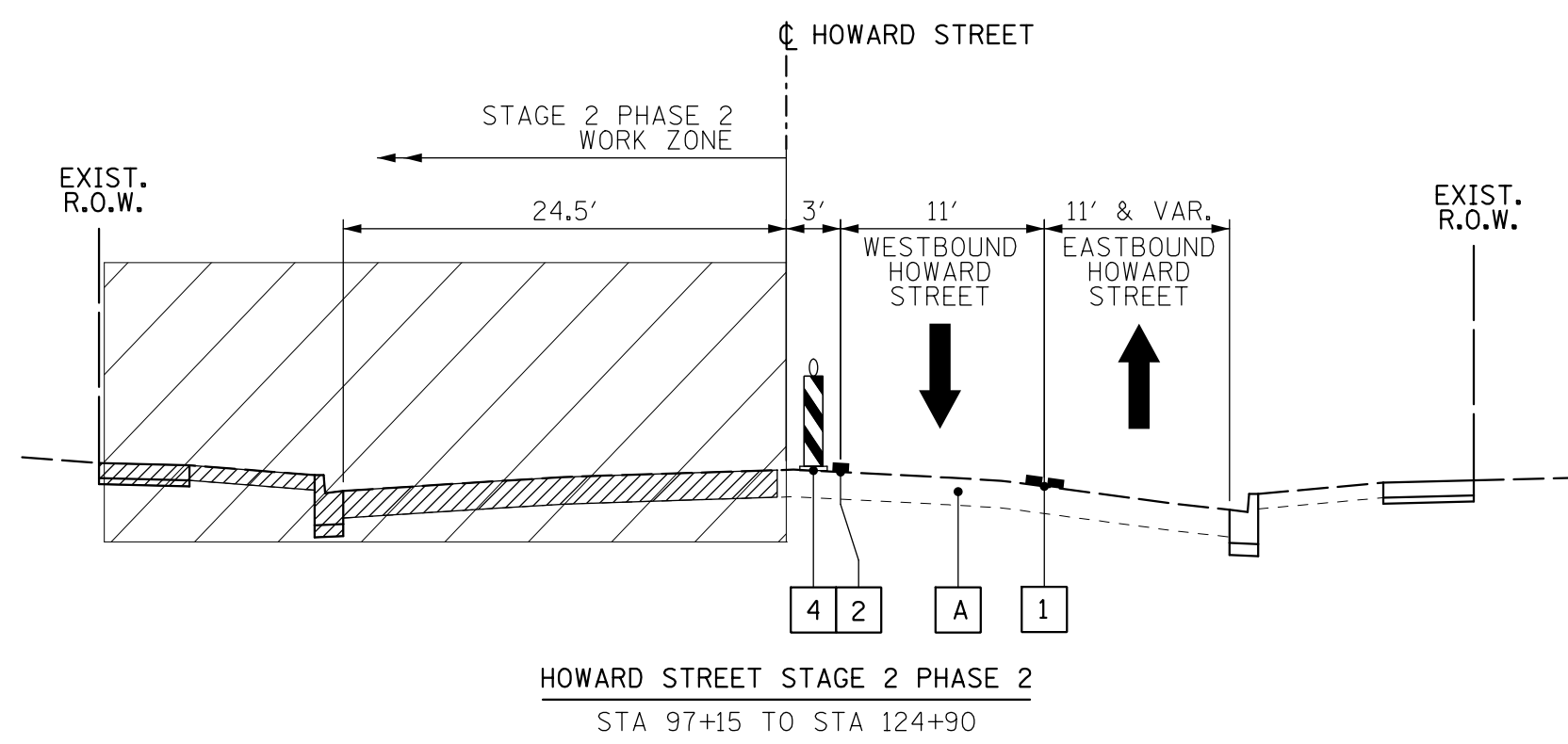
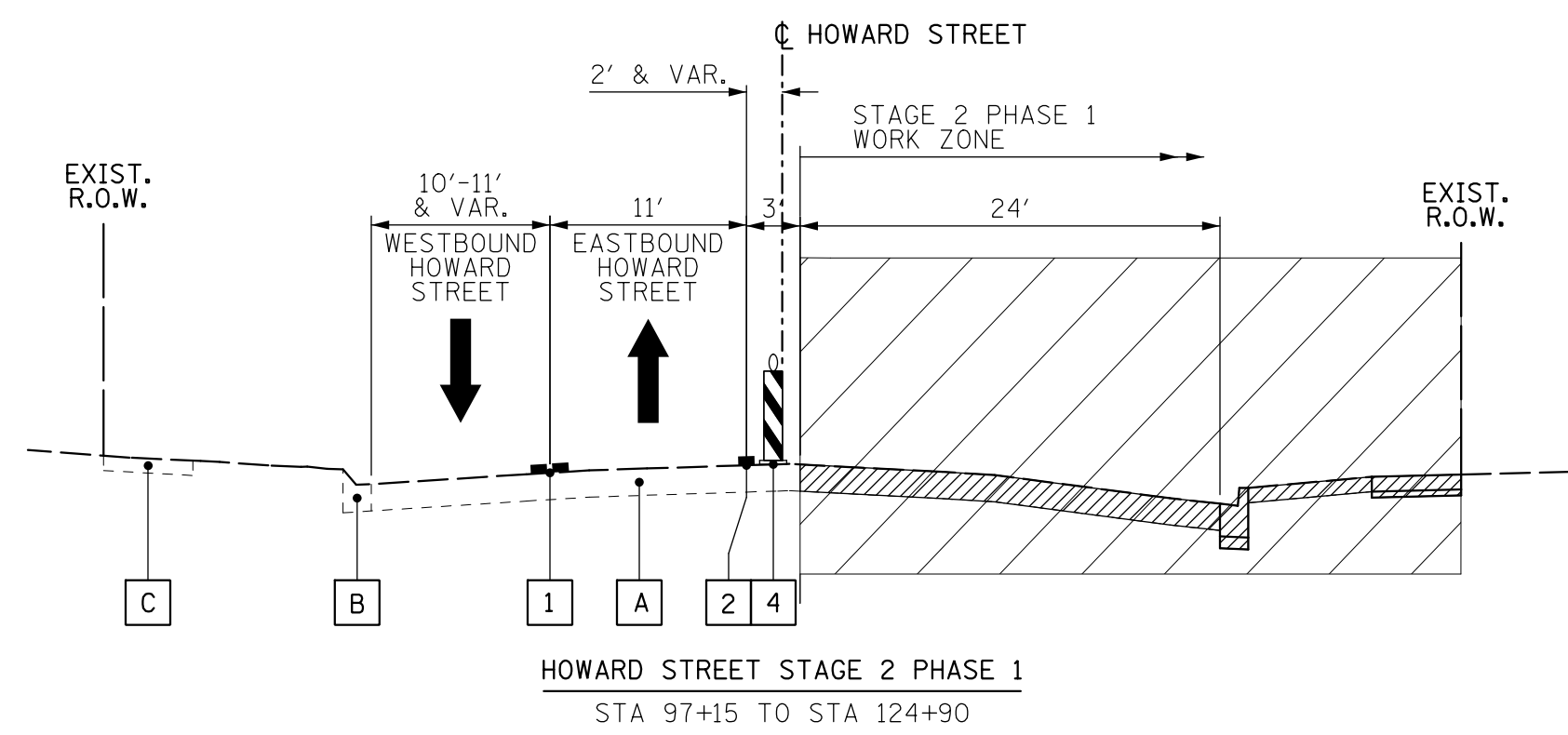
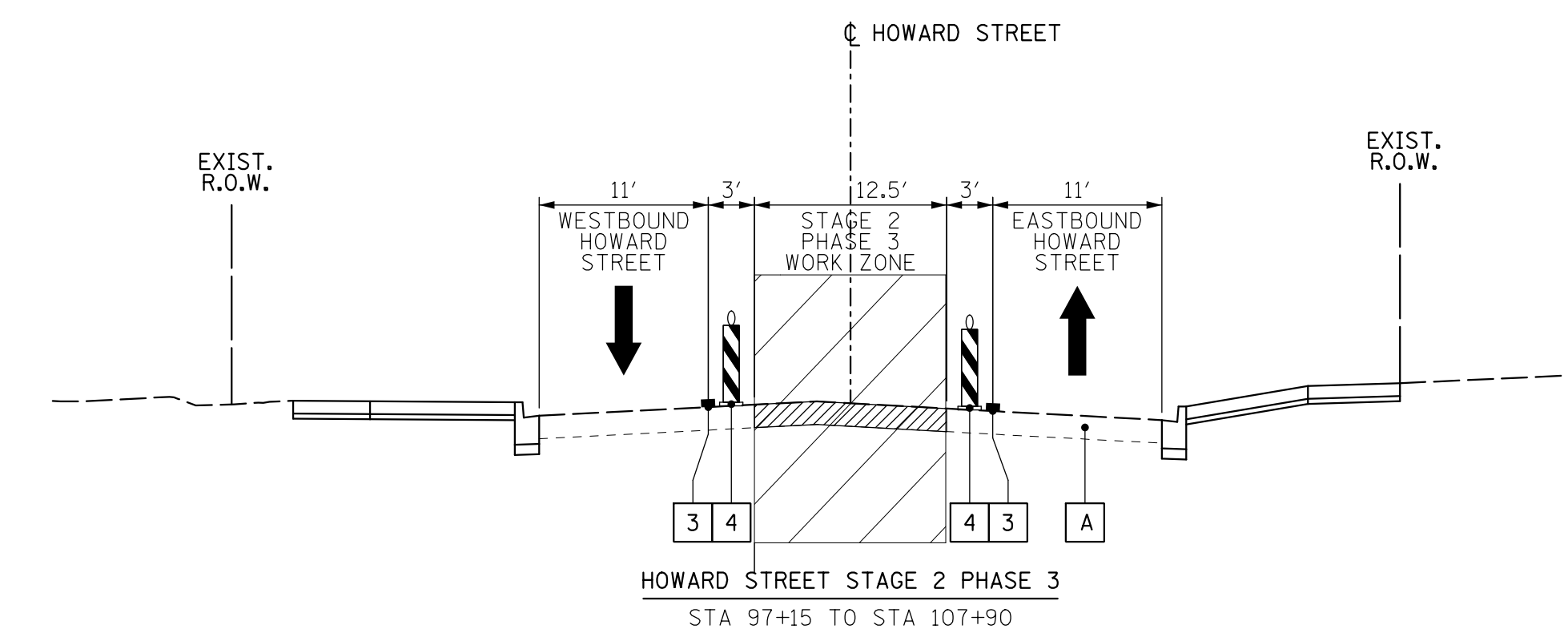
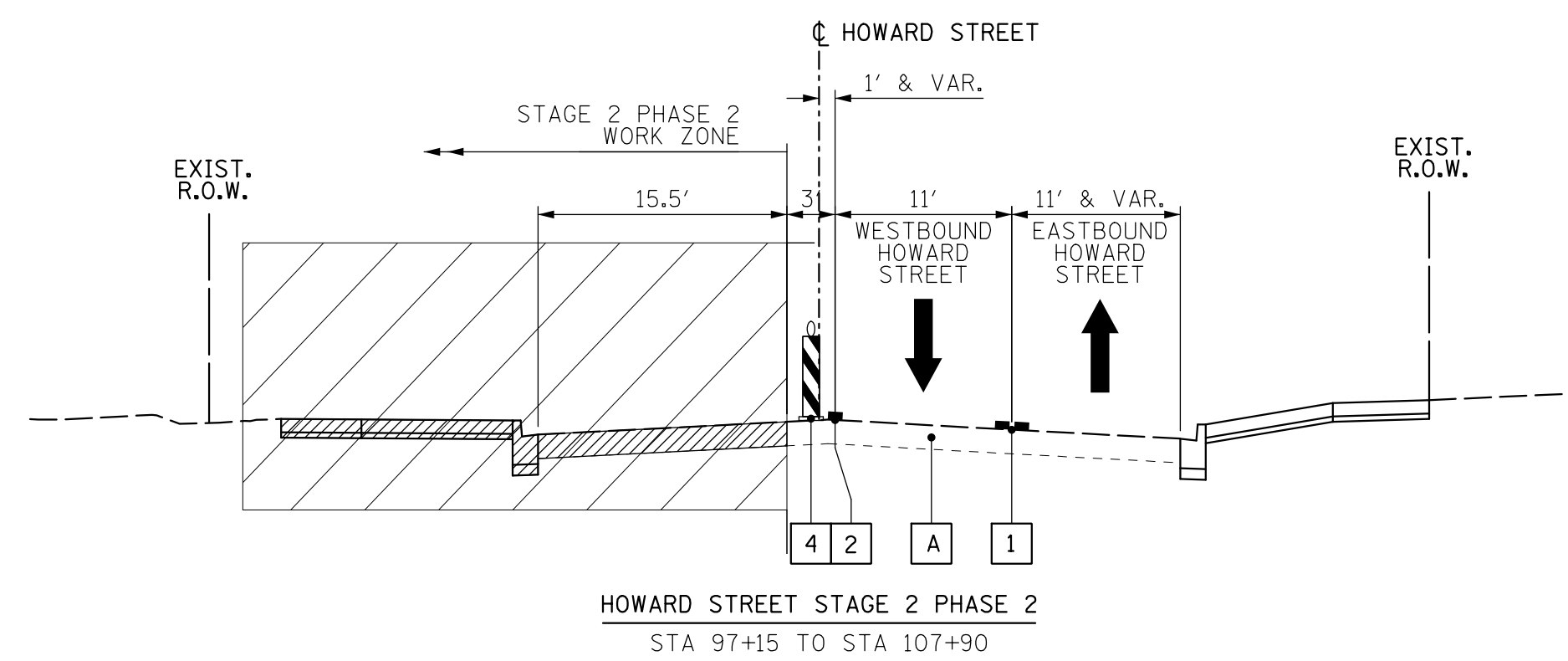
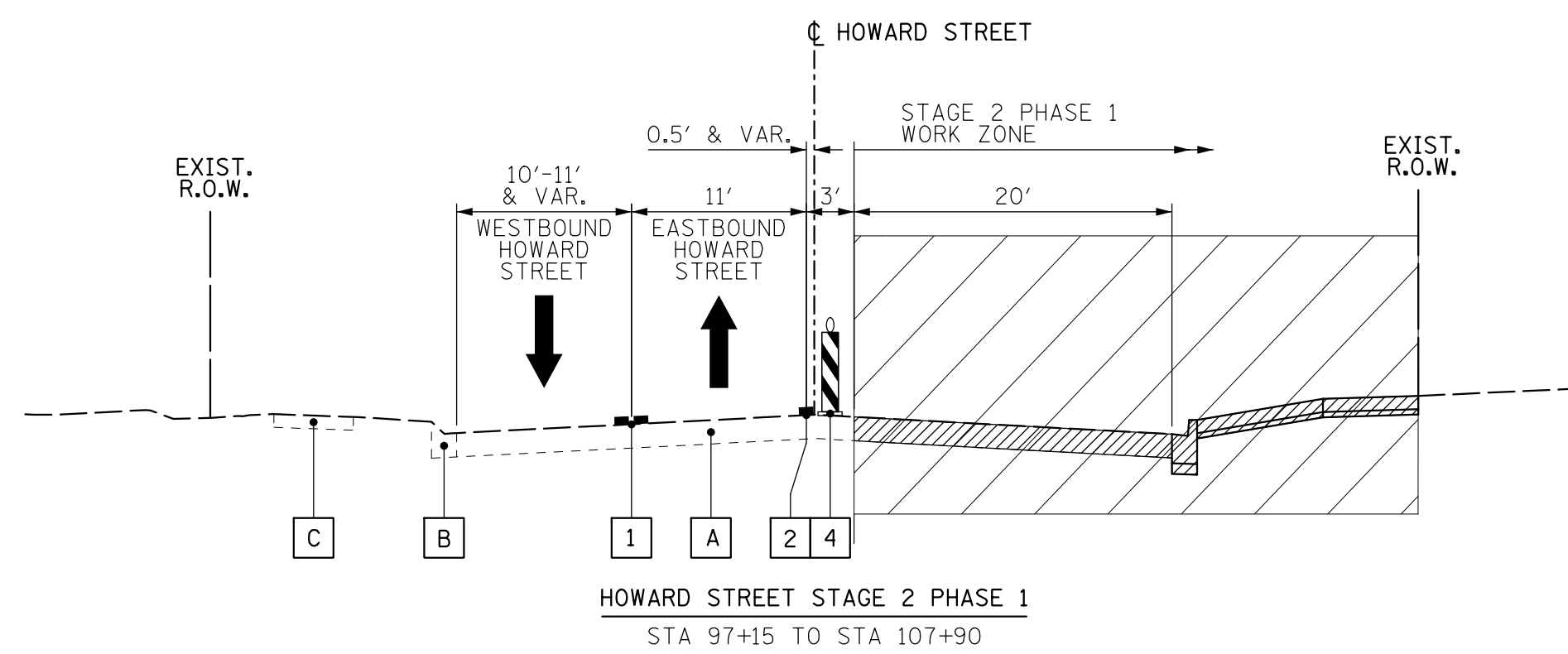
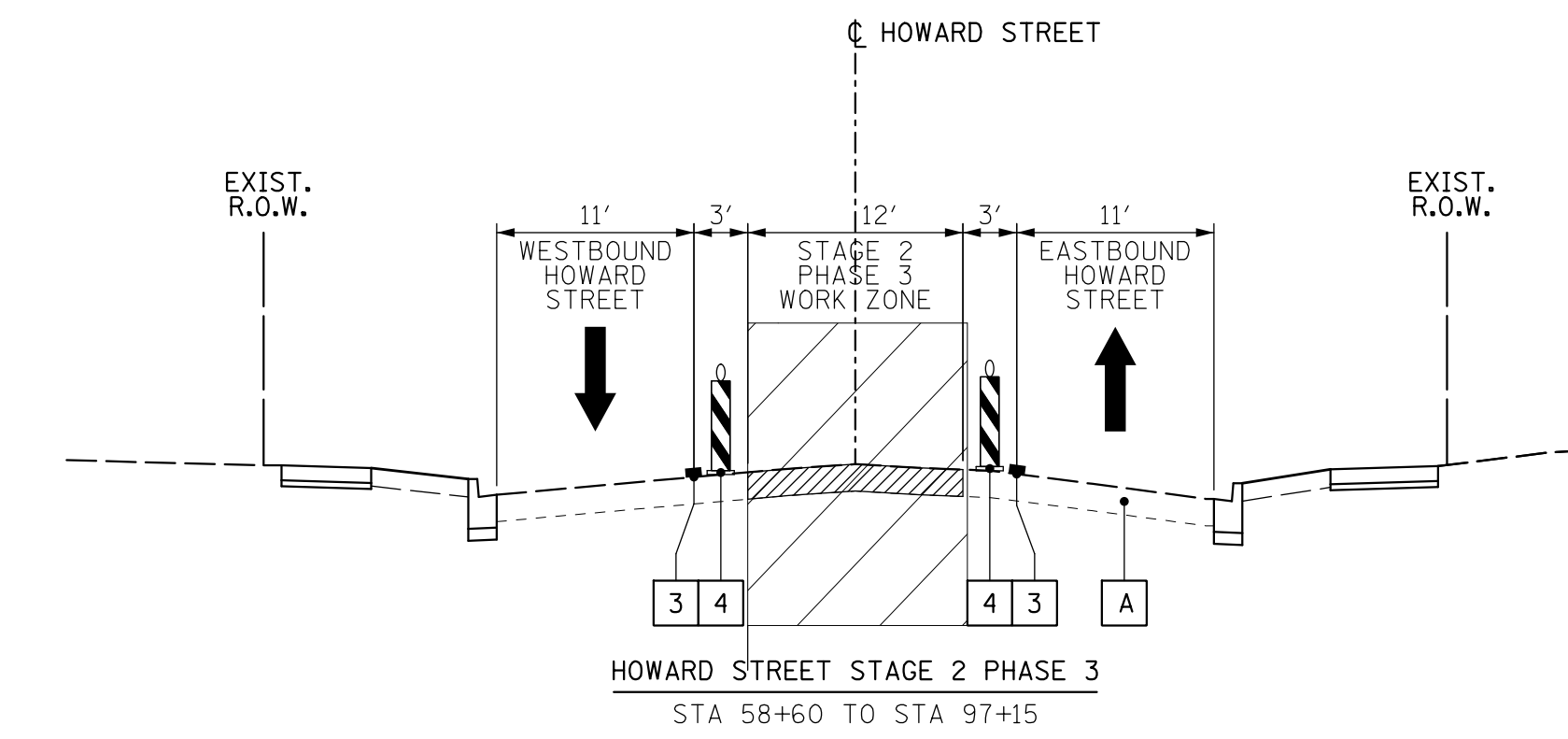
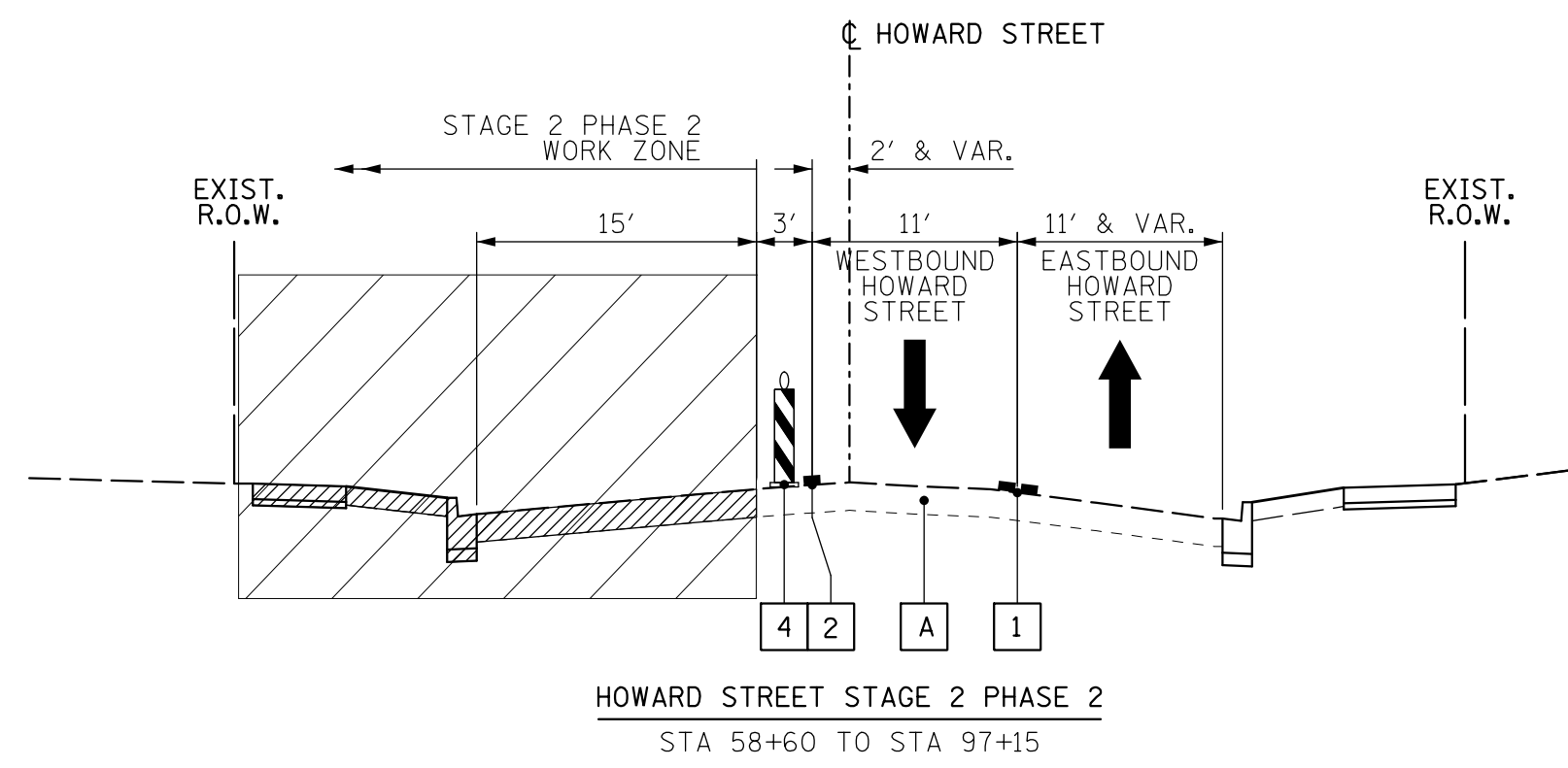
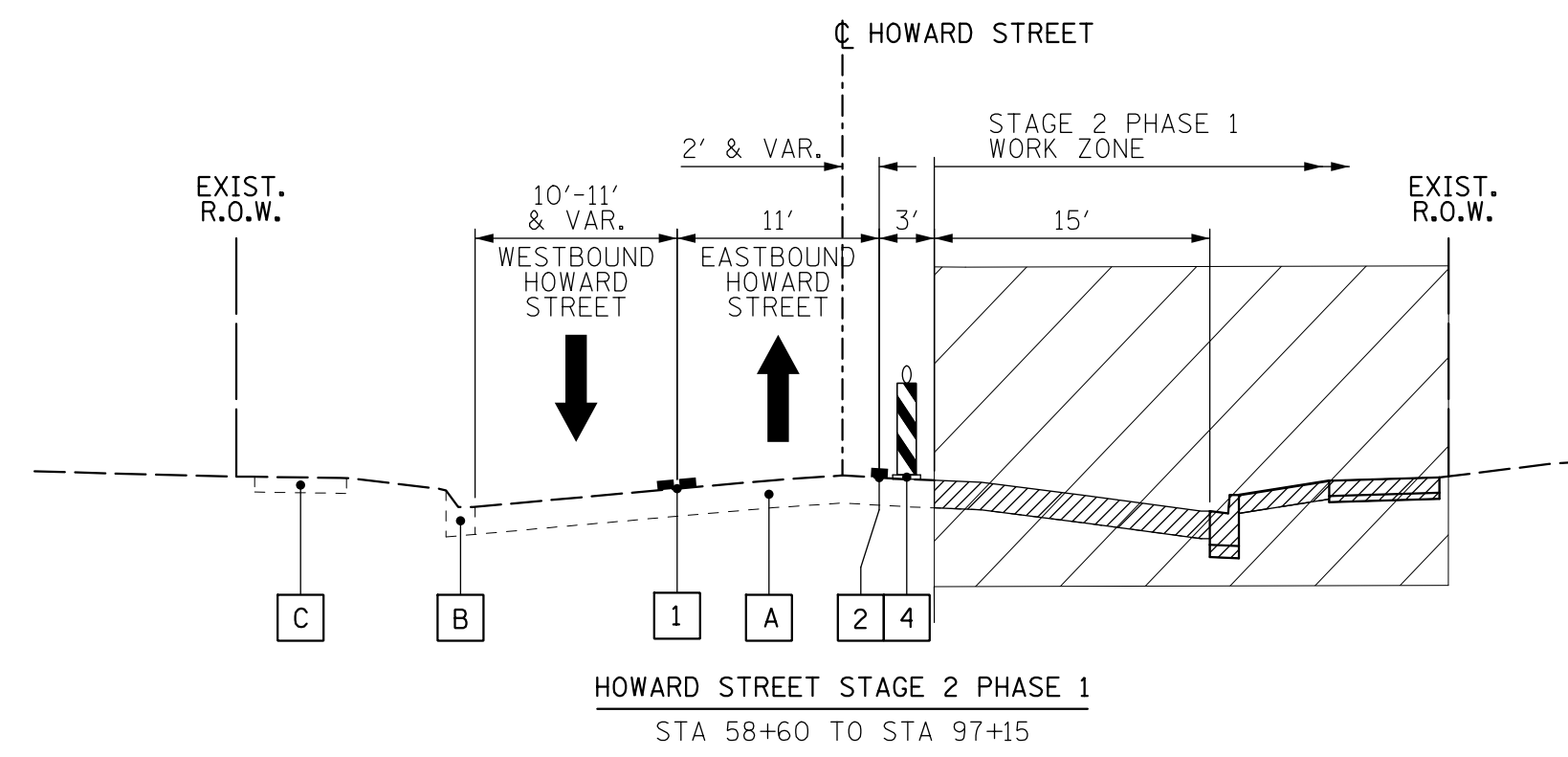


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOWARD STREET CORRIDOR IMPROVEMENT PROJECT			
STAGE 1 MAINTENANCE OF TRAFFIC TYPICAL SECTIONS			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. 54+70.00 TO STA. 107+04.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	57
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



LEGEND			
1	TEMPORARY PAVE. MARKING TAPE TIV 4" (DOUBLE YELLOW)	A	EXISTING PAVEMENT STRUCTURE
2	TEMPORARY PAVE. MARKING TAPE TIV 4" (WHITE)	B	EXISTING CURB AND GUTTER
3	TEMPORARY PAVE. MARKING TAPE TIV 4" (YELLOW)	C	EXISTING SIDEWALK
4	TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.	WORK ZONE	
		TRAFFIC FLOW	

NOTES:

- ONLY THE TWO-LANE LOCATIONS ARE SHOWN. CONTRACTOR SHALL MAINTAIN THREE LANES OPEN TO TRAFFIC (TWO THROUGHS PLUS SEPARATE LEFT TURN LANE) AT ALL PROJECT SIGNALIZED INTERSECTIONS PER THE STAGE 2 PLANS.
- OPTIONAL STAGE 2 PHASE 3 WAS DESIGNED SO THAT HOWARD STREET MIGHT BE STREETSCAPED AS WELL AS MILLED, PATCHED AND BROUGHT UP TO BINDER ALL IN STAGE 2 IF SO PROPOSED BY THE CONTRACTOR AND ACCEPTED BY THE CITY. OTHERWISE, THE STREETSCAPE ELEMENTS SHALL BE CONSTRUCTED IN STAGE 2 PHASES 1 AND 2; STAGE 2 PHASE 3 SHALL BE OMITTED; AND ALL PAVEMENT REHABILITATION WORK SHALL BE CONSTRUCTED IN STAGE 3.

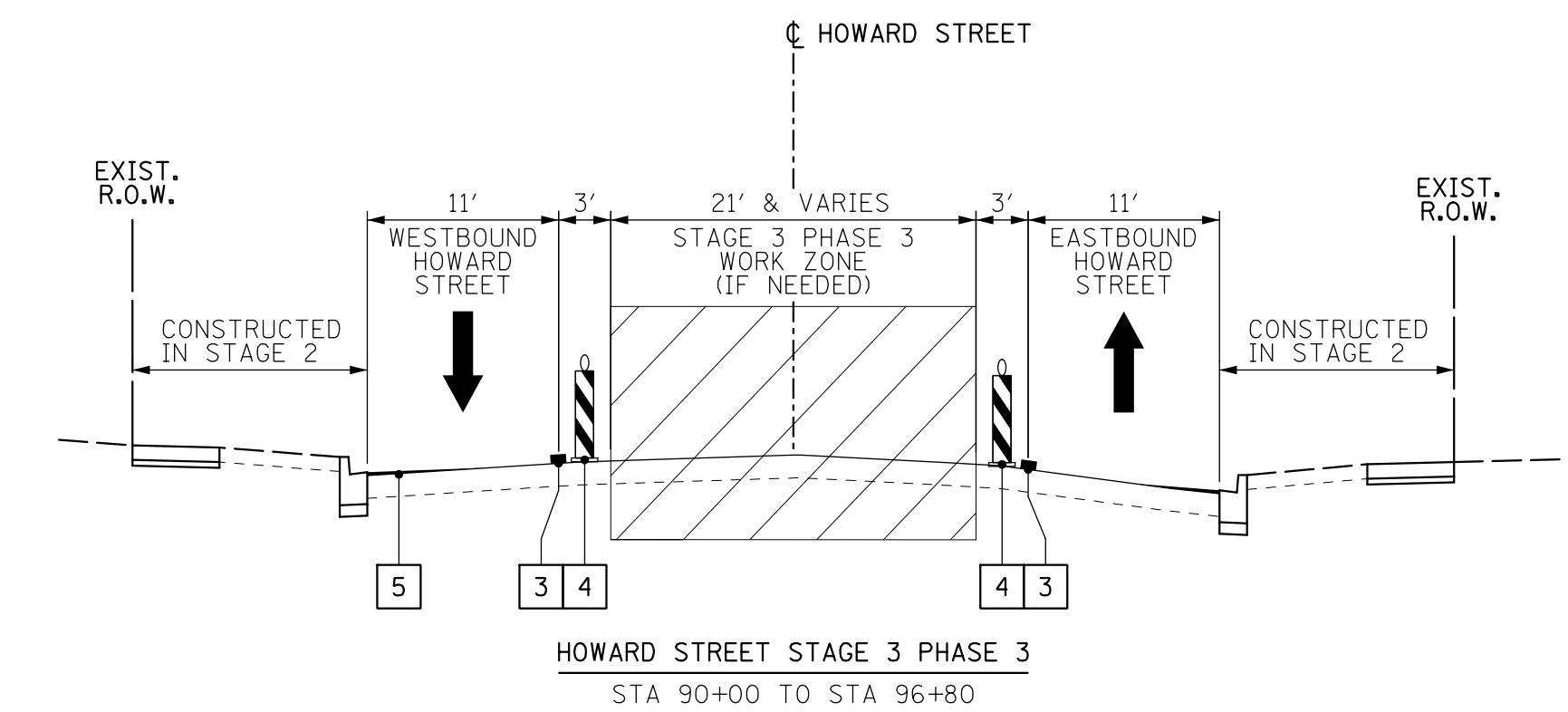
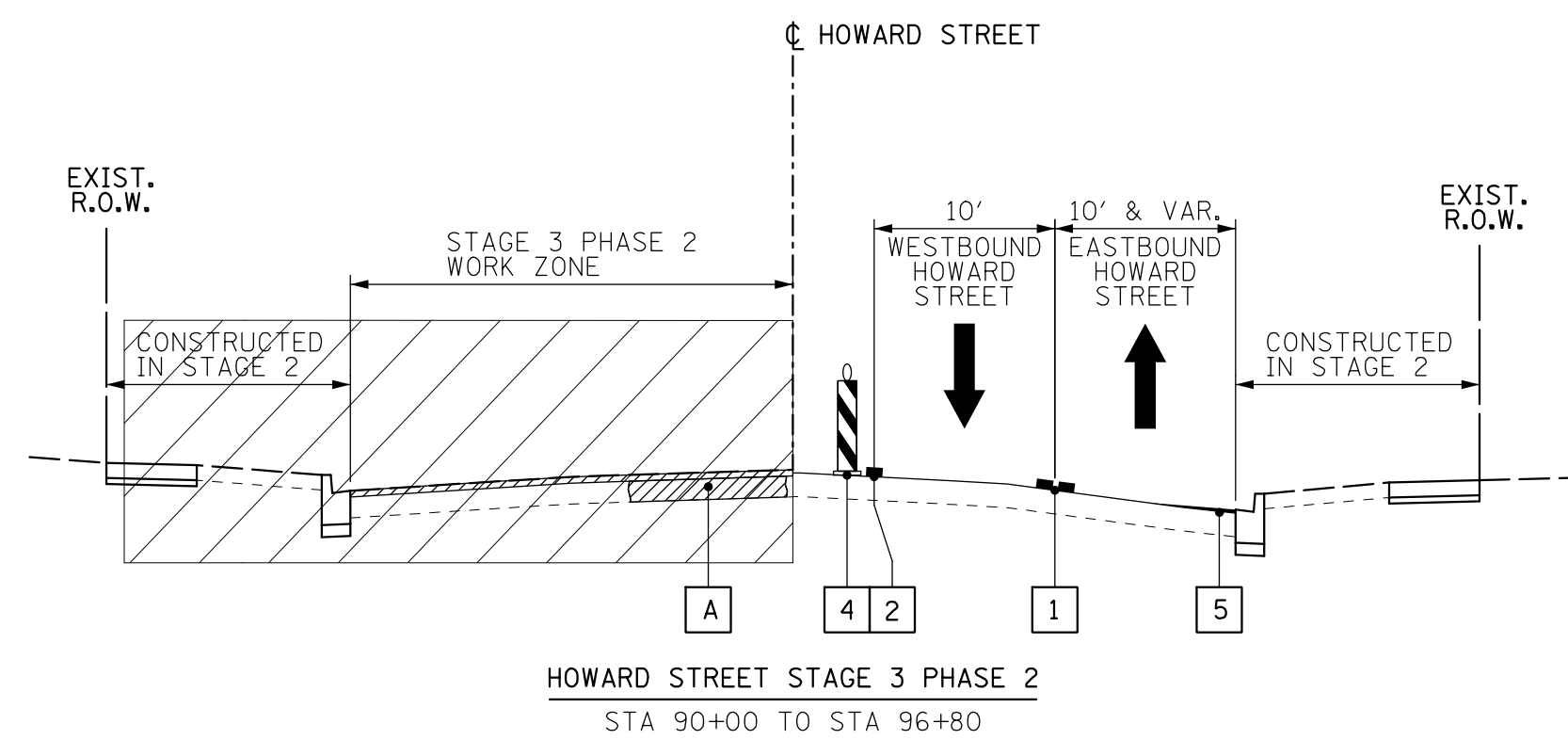
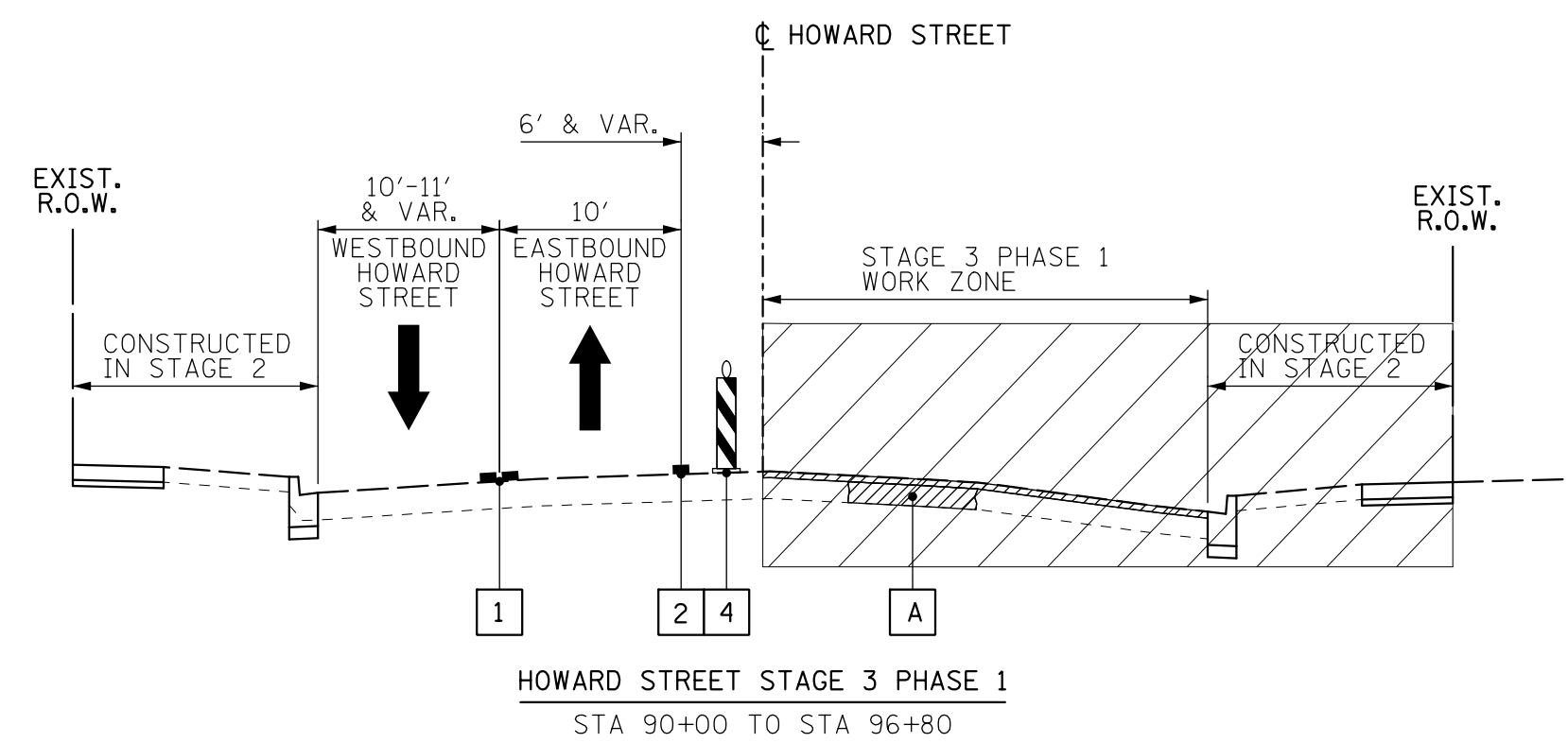
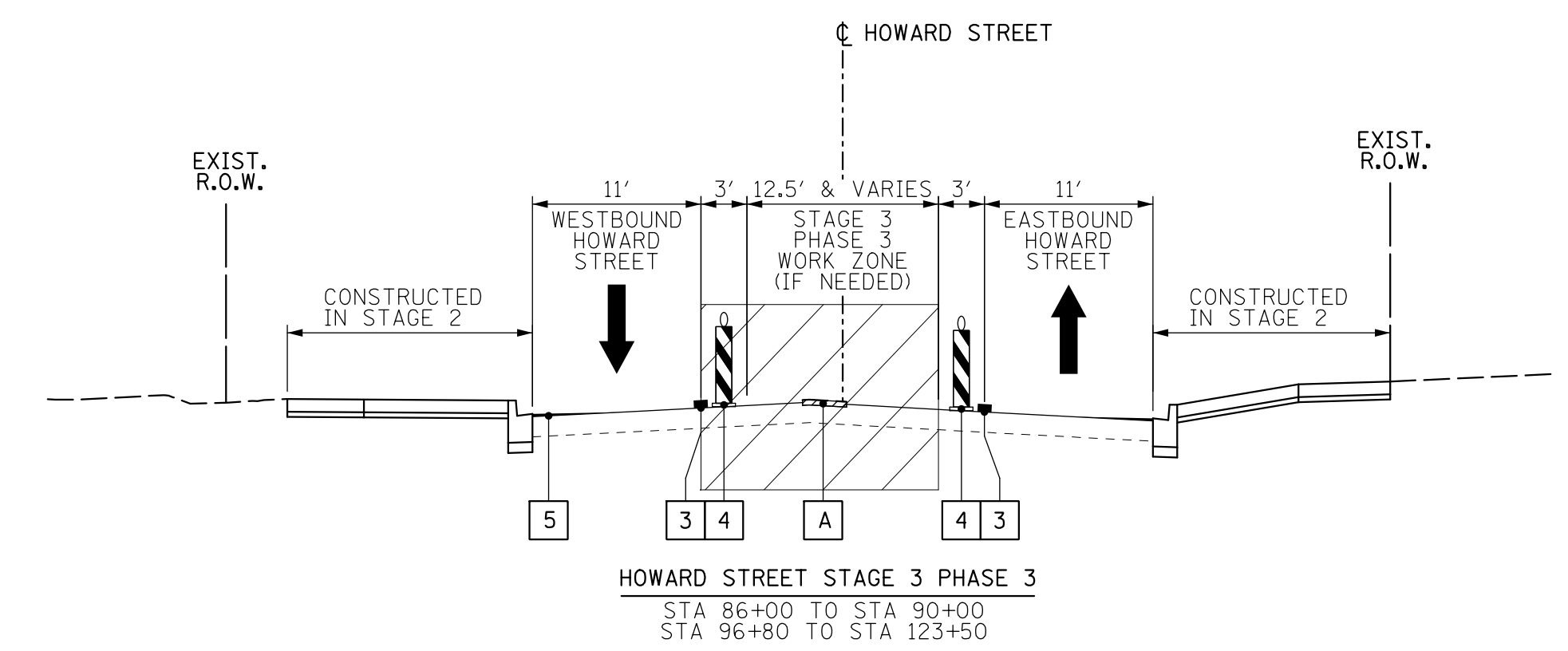
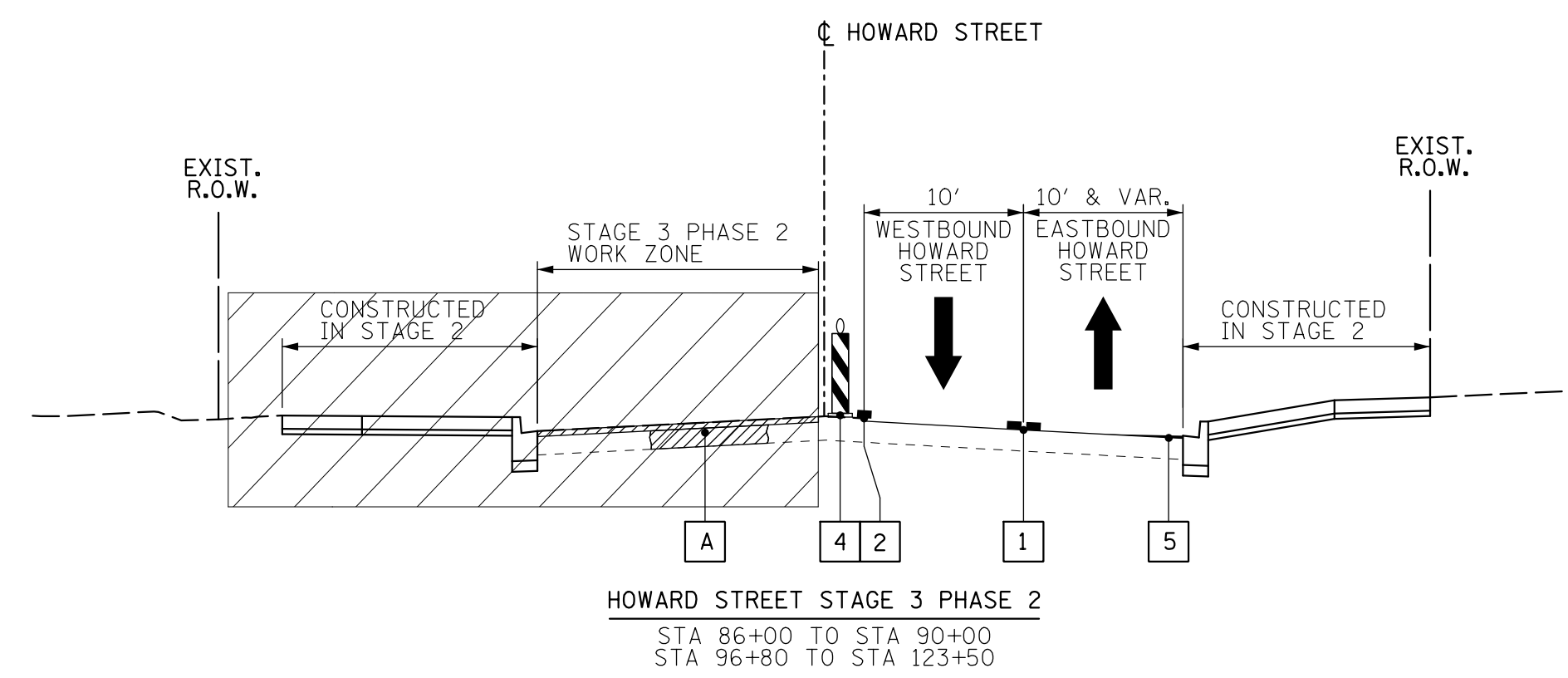
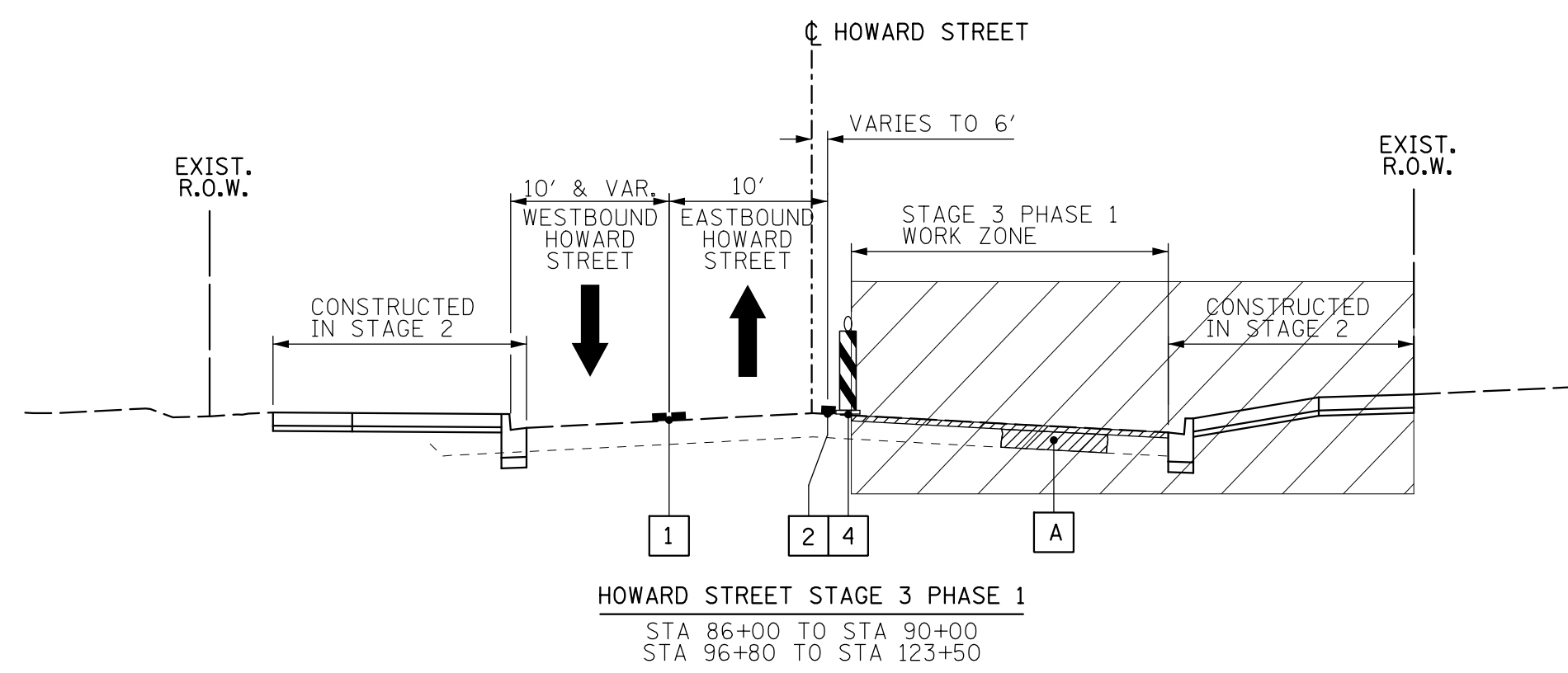
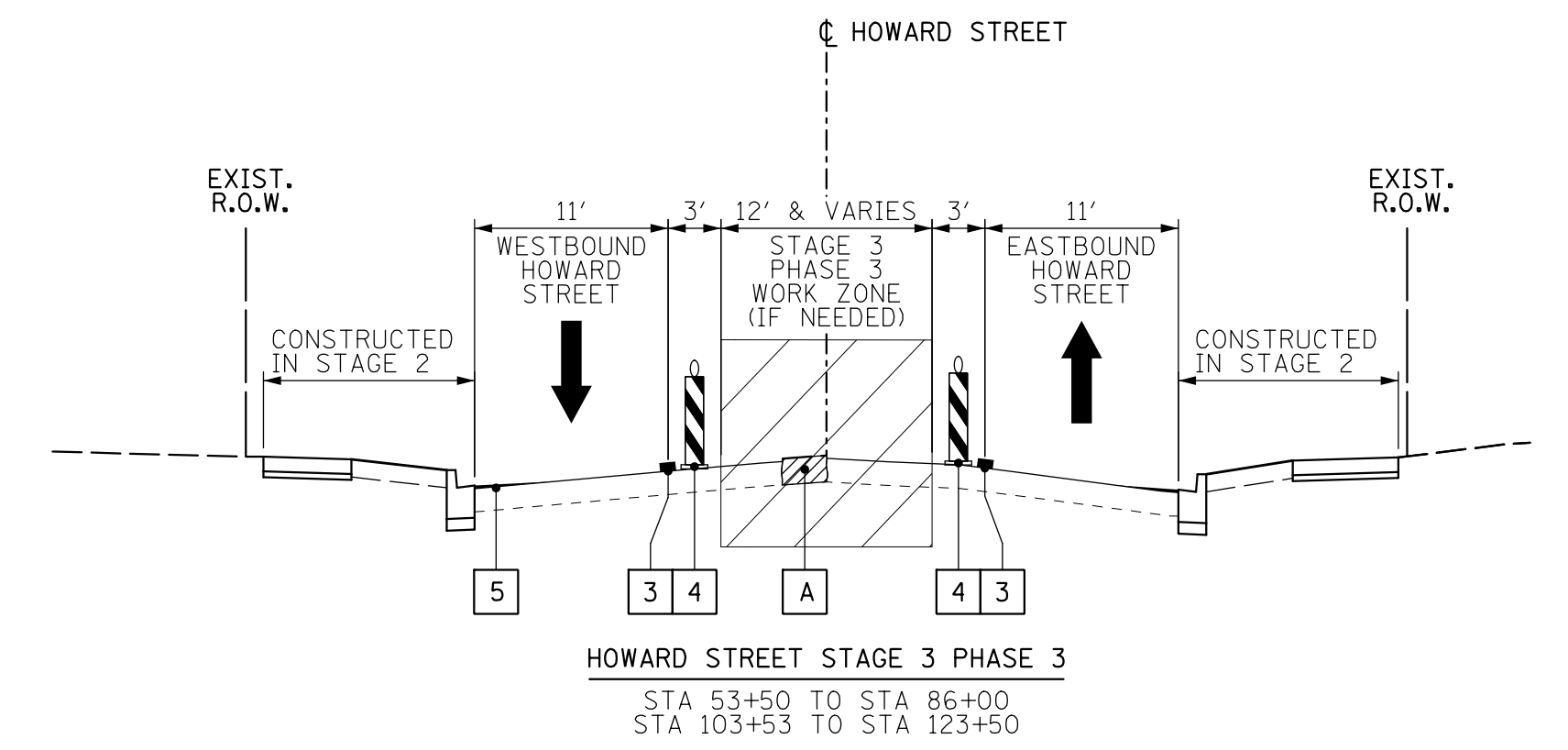
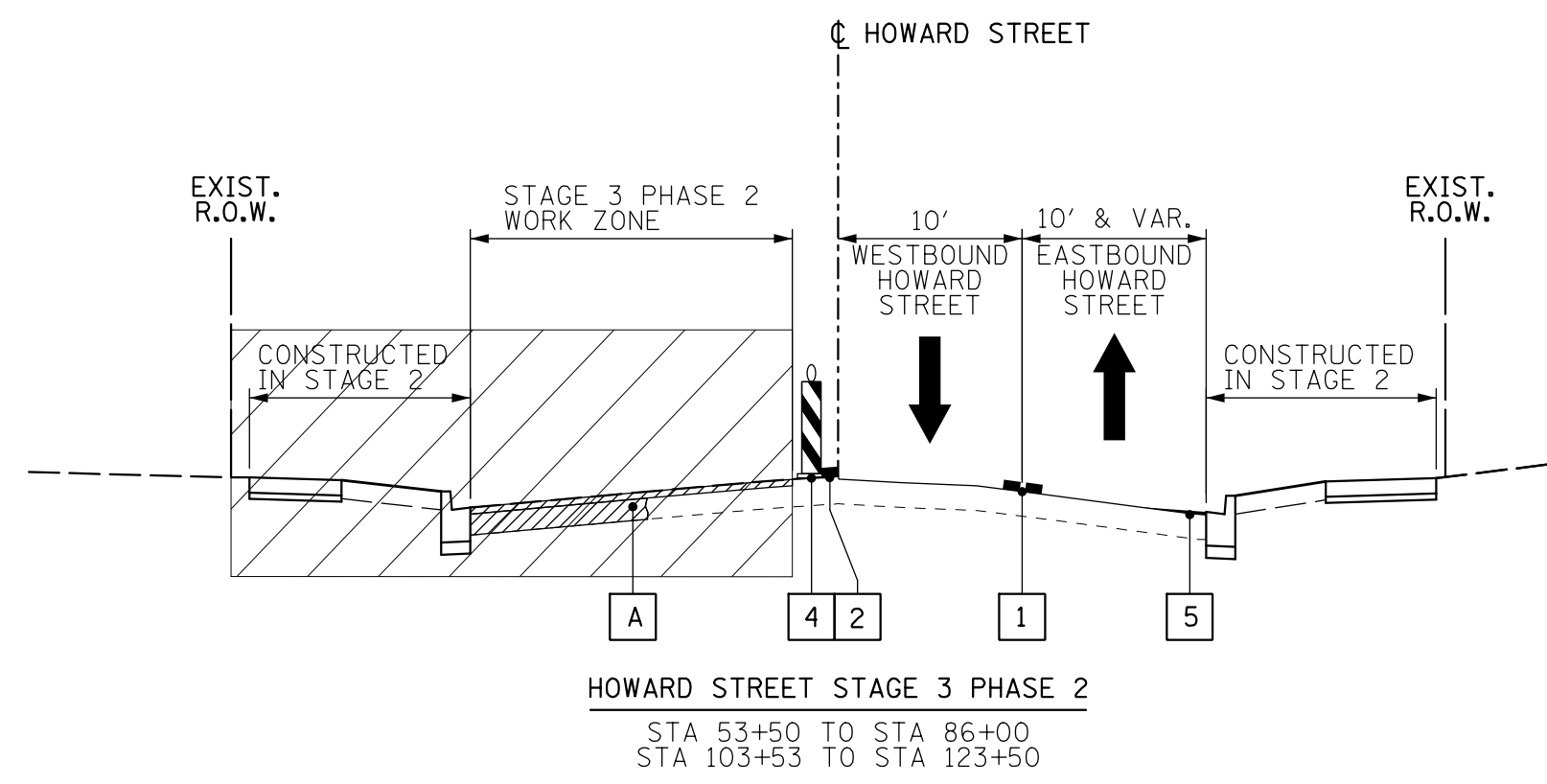
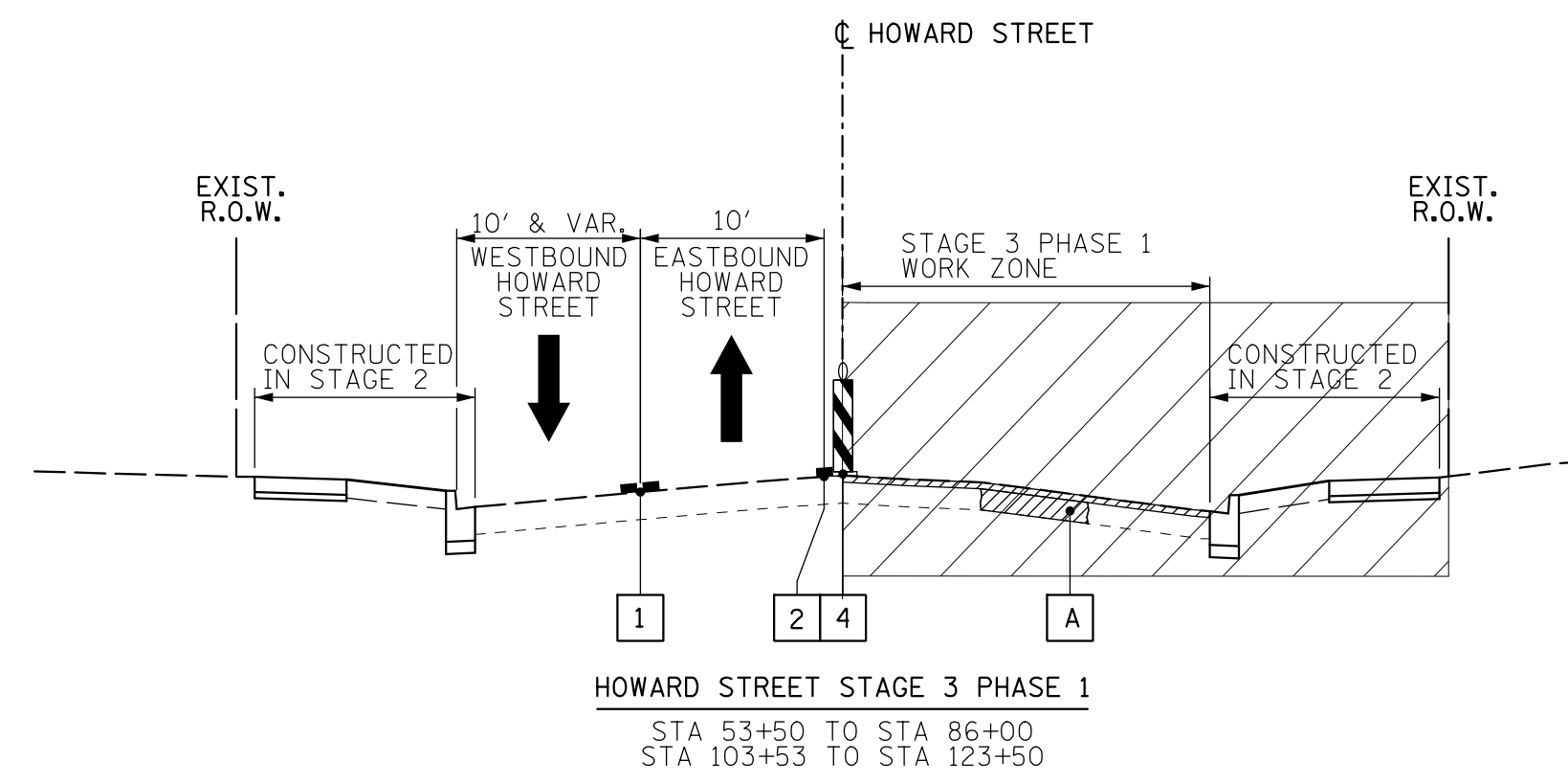
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
STAGE 2 MAINTENANCE OF TRAFFIC TYPICAL SECTIONS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. 58+60.00 TO STA. 124+90.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	58
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



LEGEND

1	TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW)	5	TEMP. ASPHALT WEDGES TO BE PLACED AS DIRECTED BY ENGINEER
2	TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE)	A	EXISTING PAVEMENT STRUCTURE TO BE REHABILITATED IN STAGE 3
3	TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW)		
4	TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.		
			WORK ZONE
			TRAFFIC FLOW

NOTE: 1. ONLY THE TWO-LANE LOCATIONS ARE SHOWN, AS DIRECTED BY THE ENGINEER, CONTRACTOR SHALL MAINTAIN THREE LANES OPEN TO TRAFFIC (TWO THROUGHS PLUS SEPARATE LEFT TURN LANE) AT ALL PROJECT SIGNALIZED INTERSECTIONS IN SIMILAR MANNER TO THAT SHOWN ON THE STAGE 2 PLANS. THIS MAY DECREASE THE AVAILABLE WORK ZONE IN STAGE 3 PHASE 1 AND STAGE 3 PHASE 2 WHILE INCREASING THE WORK TO BE PERFORMED IN STAGE 3 PHASE 3.

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Default	PLOT DATE = 1/21/2020	CHECKED - MEK	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
 STAGE 3 MAINTENANCE OF TRAFFIC TYPICAL SECTIONS**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. 58+60.00 TO STA. 124+90.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	59
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				

MOT GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE CITY OF EVANSTON AT 847-443-4311 AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK AND COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL NOTIFY CTA TRAFFIC PLANNING AT LEAST 30 DAYS IN ADVANCE OF BEGINNING WORK AT TRAFFIC.PLANNING@TRANSITCHICAGO.COM OR BY CONTACTING JOE OSOWSKI, TRAFFIC ANALYST AT 312-681-4151.
- THE CONTRACTOR SHALL NOTIFY PACE PLANNING AT LEAST 30 DAYS IN ADVANCE OF BEGINNING WORK AT CHRISTIANTURNER@PACEBUS.COM AND AT DETOUR@PACEBUS.COM OR BY CONTACTING STEVE FARRELL, BUS OPERATIONS SUPERINTENDENT, NW GARAGE, AT 847-228-3707.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ANY OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME.
- THE CONTRACTOR WILL COORDINATE THE INSTALLATION OF ALL PERMANENT TRAFFIC SIGNAL EQUIPMENT AND APPURTENANCES PER STAGE.
- LEFT TURN LANES SHALL BE MAINTAINED AT SIGNALIZED INTERSECTIONS AT ALL TIMES, EXCEPT DURING SUBSTAGE WORK. DURING SUBSTAGES, THE CONTRACTOR WILL BE ALLOWED TO CLOSE ONE SIGNALIZED LEFT TURN LANE AT A TIME.
- DURING THE CONSTRUCTION OF POSSIBLE TEMPORARY PAVEMENT THAT IS ADJACENT TO TRAVEL LANES, THE CONTRACTOR MAY NEED TO IMPLEMENT IDOT STANDARD 701501. ALL SUCH WORK SHALL BE PAID FOR AT THE LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701501. THE CONTRACTOR SHALL WORK EXPEDITIOUSLY TO OPEN TRAFFIC LANES CLOSED DUE TO ROADWORK. THE ENGINEER WILL BE THE SOLE JUDGE OF WHEN A LANE IS READY TO BE OPENED TO TRAFFIC. THE OPENING OF THE LANE TO TRAFFIC WILL BE IN ACCORDANCE WITH SECTION 107.29 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ROADWORK REQUIRING A CLOSURE OF A LANE, WHICH HAS BEEN OPENED PREVIOUSLY TO TRAFFIC, WILL BE ALLOWED AT THE DISCRETION OF THE ENGINEER AND UNDER THE FOLLOWING CONDITIONS:
 - THE LANE CLOSURE SHALL ONLY BE IN EFFECT WHILE WORKERS ARE PRESENT IN OR NEAR THE CLOSED LANE.
 - THE CLOSED LANE WILL BE REOPENED TO TRAFFIC AT THE END OF THE WORKDAY.
 - ALL TRAFFIC CONTROL DEVICES PERTAINING TO THE LANE CLOSURE SHALL BE REMOVED FROM THE ROADWAY AT THE END OF THE WORKDAY.
- ALL AREAS UNDERCUT FOR AGGREGATE SUBGRADE REPAIR SHALL NOT BE LEFT UNFILLED OVERNIGHT. DROP-OFFS GREATER THAN 24 INCHES SHALL NOT BE LEFT UNFILLED OVERNIGHT.
- DRIVEWAY ACCESS AND ACCESS TO SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (PRIVATE ENTRANCE)" AND "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)" AND "TEMPORARY ACCESS (ROAD)". ALL COMMERCIAL DRIVEWAYS AND SIDE ROADS SHALL BE CONSTRUCTED IN STAGES, ONE HALF AT A TIME. SHOULD ANY DRIVEWAY WORK OR SIDE ROAD WORK REMAIN UNFINISHED PRIOR TO WINTER, THE CONTRACTOR SHALL REMOVE THE TOP TWO INCHES OF AGGREGATE AND REPLACE THEM WITH HMA. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TEMPORARY ACCESS (WINTERIZE).
- THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS WHICH CONFLICT WITH TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH ARTICLE 783.03. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL – WATER BLASTING, AND REMOVAL OF ANY TEMPORARY PAVEMENT MARKINGS SHALL BE PAID FOR AS TEMPORARY PAVEMENT MARKING REMOVAL.
- MAINTENANCE OF TRAFFIC WILL INCLUDE TEMPORARY DRIVEWAY SIGNING (IDOT D1 STANDARD TC-26) AS DIRECTED BY THE ENGINEER, THE COST OF WHICH WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL). ALL ENTRANCE SIGNS WILL BE PLACED BY THE CONTRACTOR.
- THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

EXISTING SIGNS THAT ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS SHALL BE REPLACED AT THE CONTACTOR'S EXPENSE.

- DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- UTILITY TRENCHES SHALL BE COVERED OR FILLED AT THE END OF EACH DAY. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- SEE TRAFFIC SIGNAL PLANS FOR TEMPORARY TRAFFIC SIGNALS.
- MAXIMUM ALLOWABLE SPACING OF TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES SHALL BE AS FOLLOWS: 50' C-C ON TANGENTS, 20' C-C ON TAPERS/SHIFTS, 12' C-C AROUND RADII. SPACING SHALL BE ADJUSTED AS NEEDED FOR DRIVEWAY AND PEDESTRIAN ACCESS.
- ALL SIGNAGE TO BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). SUGGESTED MAINTENANCE OF TRAFFIC SHOWN IS THE MINIMUM REQUIRED; THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY RESIDENT ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- "ROAD CONSTRUCTION AHEAD" SIGNS WITH FLASHING LIGHTS SHALL BE INSTALLED ON EACH INTERSECTING STREET ON THE APPROACH TO A WORK ZONE IN ACCORDANCE WITH DISTRICT ONE DETAIL TC-10, EVEN IF NOT SHOWN ON THE PLANS. EACH SUCH SIGN SHALL BE MAINTAINED UNTIL THE ENGINEER DIRECTS THAT IT SHALL BE TAKEN DOWN.
- SEE HIGHWAY STANDARDS AND DISTRICT ONE DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.

CONSTRUCTION STAGING

STAGE 1 PHASE 1 AND PHASE 2 – WATER MAIN REPLACEMENT

- ALL WATER MAIN WORK SHALL BE COMPLETED PRIOR TO STAGE 2. PATCH PAVEMENT WITH CLASS D PATCHES AND HMA RESURFACING OVER PATCHES AFTER WATER MAIN PRESSURE TESTING. ALL WORK IN STAGE 1 PHASE 1 (SACRAMENTO AV TO CALIFORNIA/DODGE AV) SHALL BE COMPLETED BEFORE CONTRACTOR SHALL BE PERMITTED TO BEGIN STAGE 1 PHASE 2 (WESTERN/ASBURY AV TO RIDGE AV).
- ALL INTERIM PAVEMENT PATCHING PRIOR TO WATER MAIN PRESSURE TESTING SHALL BE AGGREGATE MEETING THE REQUIREMENTS FOR AGGREGATE SUBGRADE IMPROVEMENT. THE COST OF FURNISHING, PLACING, COMPACTING AND REMOVING AND DISPOSING OF AGGREGATE PAVEMENT PATCHES IS INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- ALL WORK IN STAGE 1 SHALL BE DONE IN ACCORDANCE WITH HIGHWAY STANDARDS 701011-04, 701311-03, 701501-06, 701606-10, 701611-01, 701701-10 AND 701801-06 AND TO THE SATISFACTION OF THE ENGINEER.
- RELOCATE TRAFFIC AS SHOWN PER THE STAGE 1 PHASE 1 MAINTENANCE OF TRAFFIC TYPICAL SECTIONS AND PLAN SHEETS. PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- CONSTRUCT TEMPORARY TRAFFIC SIGNALS AT THE HOWARD ST INTERSECTION WITH CALIFORNIA/DODGE AV. DE-ENERGIZE BUT DO NOT REMOVE EXISTING TRAFFIC SIGNALS.
- PERFORM THE STAGE 1 PHASE 1 WATER MAIN INSTALLATION PER THE DETAILED SEQUENCE SHOWN IN THE PLANS. THE PROPOSED WATER MAIN SHALL BE INSTALLED CONTINUOUSLY EAST ALONG HOWARD ST FROM SACRAMENTO/HARTREY AV TO CALIFORNIA/DODGE AV. EXPLORATORY TRENCHING SHOULD BE PERFORMED ON EXISTING WATER MAIN AT PROPOSED CONNECTION LOCATIONS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL PERFORM THE WORK FROM STA. 60+53 TO STA. 61+22 AND FROM STA. 66+87 TO STA. 67+33 UNDER STANDARDS 701311-03 AND 701501-06 AND SHALL CONTINUOUSLY BACKFILL THE TRENCH BEHIND THE COMPLETED WORK TO MINIMIZE TRAFFIC DISRUPTION.

- RELOCATE TRAFFIC AS SHOWN PER THE STAGE 1 PHASE 2 MAINTENANCE OF TRAFFIC TYPICAL SECTIONS AND PLAN SHEETS. PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- PERFORM THE STAGE 1 PHASE 2 WATER MAIN INSTALLATION PER THE DETAILED SEQUENCE SHOWN IN THE PLANS. THE PROPOSED WATER MAIN SHALL BE INSTALLED CONTINUOUSLY EAST ALONG HOWARD ST FROM ASBURY/WESTERN AV TO RIDGE AV. EXPLORATORY TRENCHING SHOULD BE PERFORMED ON EXISTING WATER MAIN AT PROPOSED CONNECTION LOCATIONS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL PERFORM THE WORK FROM STA. 92+58 TO STA. 93+15 AND FROM STA. 102+15 TO STA. 107+31 UNDER STANDARDS 701311-03 AND 701501-06 AND SHALL CONTINUOUSLY BACKFILL THE TRENCH BEHIND THE COMPLETED WORK TO MINIMIZE TRAFFIC DISRUPTION.

STAGE 2 PHASE 1 AND PHASE 2 – PAVEMENT REHABILITATION AND STREETSCAPE IMPROVEMENTS ON BOTH SIDES OF HOWARD STREET

- ALL WORK IN STAGE 2 SHALL BE DONE IN ACCORDANCE WITH HIGHWAY STANDARDS 701011-04, 701311-03, 701501-06, 701606-10, 701611-01, 701701-10, 701801-06 AND TO THE SATISFACTION OF THE ENGINEER.
- THE STAGE 2 PHASE 1 MAINTENANCE OF TRAFFIC SHEETS SHOW THE COMPLETE TRAFFIC MANAGEMENT PLAN FOR CONSTRUCTING THE SOUTH SIDE STREETSCAPE IMPROVEMENTS, AND THE STAGE 2 PHASE 2 MAINTENANCE OF TRAFFIC SHEETS SHOW THE COMPLETE TRAFFIC MANAGEMENT PLAN FOR CONSTRUCTING THE NORTH SIDE STREETSCAPE IMPROVEMENTS. THE CONTRACTOR SHALL PERFORM THE WORK IN SUB-PHASES AS SPECIFIED BELOW. RELOCATION OF TRAFFIC SHALL BE PERMITTED ONLY AS NECESSARY TO CONSTRUCT EACH SUB-PHASE, AND ADDITIONAL TAPERS AND APPROACH SIGNAGE BEYOND THAT SHOWN SHALL BE PROVIDED AT THE LIMITS OF EACH SUB-PHASE IN ACCORDANCE WITH THE MUTCD.
- IMPLEMENT THE BIKE DETOUR ROUTE AS APPROPRIATE FOR EACH SUB-PHASE, INCLUDING ALL SIGNAGE. PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL BE PERMITTED TO PUT UP SUB-PHASE "NO PARKING" SIGNS 36 HOURS BEFORE WORK IS SCHEDULED TO BEGIN IN THAT SUB-PHASE. AS RESIDENTS DEPART THE AFFECTED SPACES, CONTRACTOR MAY PLACE ORANGE CONES TO REINFORCE THE PARKING BAN.
- AT THE START OF EACH SUB-PHASE, CONTRACTOR SHALL CLOSE THE AFFECTED SIDEWALK(S) AND SHALL ERECT SIDEWALK CLOSURE, CORNER CLOSURE AND/OR CROSSWALK CLOSURE SIGNAGE PER STANDARD 701801. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE THE TIME THAT A SIDEWALK IS CLOSED TO PEDESTRIAN TRAFFIC. THE FOLLOWING RESTRICTIONS APPLY TO SIDEWALK CLOSURES:
 - THE CITY OF EVANSTON PREFERS RE-ROUTING PEDESTRIANS TO THE SIDEWALK ACROSS THE STREET RATHER THAN DIVERTING THEM INTO THE ROADWAY.
 - ONLY A SINGLE BLOCK-LONG SIDEWALK CLOSURE SHALL BE PERMITTED AT A TIME.
 - THE CONTRACTOR WILL NOT CREATE MID-BLOCK TEMPORARY CROSSWALKS.
 - AT LEAST ONE EAST-WEST AND ONE NORTH-SOUTH ACCESSIBLE PATH MUST BE AVAILABLE AT ALL LOCATIONS AT ALL TIMES. AT ANY STREET WHERE TWO ADJACENT RADIUS RETURNS WILL BE RECONSTRUCTED FOR STREETSCAPE IMPROVEMENTS, SUCH WORK MUST BE SUB-STAGED TO MEET THIS ACCESS REQUIREMENT.
- ROADWAY PAVEMENT MILLING, PATCHING, AGGREGATE BASE REPAIR, REMOVAL AND REPLACEMENT OF CONTINUOUSLY REINFORCED P.C. CONCRETE BUS PADS, AND ROADWAY RESURFACING TO TOP OF HMA BINDER COURSE SHALL BE PERFORMED WITHIN THE SUB-PHASE WORK LIMITS SPECIFIED BELOW.
- AS SHOWN ON THE STAGE 2 MAINTENANCE OF TRAFFIC PLANS, CONSTRUCTION OF SEVERAL PROPOSED BUMP-OUTS MUST BE DEFERRED UNTIL A LATER STAGE IN ORDER TO MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES ADJACENT TO A WORK ZONE.
- THE SUB-PHASES ARE:

SUB-PHASE A: CONSTRUCT CURB AND GUTTER AND SIDEWALK REMOVALS AND REPLACEMENTS ON SOUTH SIDE, FROM SACRAMENTO AV TO ½ BLOCK WEST OF CALIFORNIA AV.

SUB-PHASE B: CONSTRUCT STREETSCAPE UPGRADE ON SOUTH SIDE, FROM LIMITS OF SUB-PHASE A TO WASHTENAW AV. DEMOLISH EXISTING TRAFFIC SIGNALS AND CONSTRUCT PROPOSED TRAFFIC SIGNAL EQUIPMENT WITHIN WORK ZONE AT CALIFORNIA AV.

SUB-PHASE C: CONSTRUCT SPOT CURB AND GUTTER AND SIDEWALK REMOVALS AND REPLACEMENTS ON SOUTH SIDE, FROM LIMITS OF SUB-PHASE B TO MAPLEWOOD AV.

SUB-PHASE D: CONSTRUCT STREETSCAPE UPGRADE ON SOUTH SIDE, FROM LIMITS OF SUB-PHASE C TO CLAREMONT AV. PERFORM TRAFFIC SIGNAL WORK WITHIN WORK ZONE AT WESTERN AV PER THE TRAFFIC SIGNAL PLANS.

SUB-PHASE E: CONSTRUCT STREETSCAPE UPGRADE ON SOUTH SIDE, FROM LIMITS OF SUB-PHASE D TO BELL AV.

SUB-PHASE F: CONSTRUCT STREETSCAPE UPGRADE ON SOUTH SIDE, FROM LIMITS OF SUB-PHASE E TO ½ BLOCK EAST OF RIDGE AV. PERFORM TRAFFIC SIGNAL WORK WITHIN WORK ZONE AT RIDGE AV PER THE TRAFFIC SIGNAL PLANS.

SUB-PHASE G: CONSTRUCT STREETSCAPE UPGRADE ON SOUTH SIDE, FROM LIMITS OF SUB-PHASE F TO SEELEY AV.

SUB-PHASE H: CONSTRUCT STREETSCAPE UPGRADE ON SOUTH SIDE, FROM LIMITS OF SUB-PHASE G TO EAST PROJECT LIMITS. CONSTRUCT TEMPORARY TRAFFIC SIGNALS AT THE HOWARD ST INTERSECTION WITH DAMEN/CUSTER AV, AND DE-ENERGIZE EXISTING TRAFFIC SIGNALS. DEMOLISH EXISTING TRAFFIC SIGNALS AND CONSTRUCT PROPOSED TRAFFIC SIGNAL EQUIPMENT WITHIN WORK ZONE AT DAMEN AV.

SUB-PHASE I: COMMENCE STAGE 2 PHASE 2 WORK BY CONSTRUCTING SPOT CURB AND GUTTER AND SIDEWALK REMOVALS AND REPLACEMENTS ON NORTH SIDE, FROM EAST PROJECT LIMITS TO ½ BLOCK WEST OF CUSTER AV. COMPLETE THE DEMOLITION OF EXISTING TRAFFIC SIGNALS AND CONSTRUCT PROPOSED TRAFFIC SIGNALS WITHIN WORK ZONE AT CUSTER/DAMEN AV. DE-ENERGIZE AND REMOVE TEMPORARY TRAFFIC SIGNALS.

SUB-PHASE J: CONSTRUCT SPOT CURB AND GUTTER AND SIDEWALK REMOVALS AND REPLACEMENTS ON NORTH SIDE, FROM LIMITS OF SUB-PHASE I TO ½ BLOCK EAST OF RIDGE AV.

SUB-PHASE K: CONSTRUCT STREETSCAPE UPGRADE ON NORTH SIDE, FROM LIMITS OF SUB-PHASE J TO BELL AV. PERFORM TRAFFIC SIGNAL WORK WITHIN WORK ZONE AT RIDGE AV PER THE TRAFFIC SIGNAL PLANS.

SUB-PHASE L: CONSTRUCT STREETSCAPE UPGRADE ON NORTH SIDE, FROM LIMITS OF SUB-PHASE K TO BARTON AV.

SUB-PHASE M: CONSTRUCT STREETSCAPE UPGRADE ON NORTH SIDE, FROM LIMITS OF SUB-PHASE L TO ½ BLOCK WEST OF ASBURY AV. PERFORM TRAFFIC SIGNAL WORK WITHIN WORK ZONE AT ASBURY/WESTERN AV PER THE TRAFFIC SIGNAL PLANS.

SUB-PHASE N: CONSTRUCT SPOT CURB AND GUTTER AND SIDEWALK REMOVALS AND REPLACEMENTS ON NORTH SIDE, FROM LIMITS OF SUB-PHASE M TO DEWEY AV.

SUB-PHASE O: CONSTRUCT STREETSCAPE UPGRADE ON NORTH SIDE, FROM LIMITS OF SUB-PHASE N TO ½ BLOCK WEST OF DODGE AV. COMPLETE THE DEMOLITION OF EXISTING TRAFFIC SIGNALS AND CONSTRUCT PROPOSED TRAFFIC SIGNALS WITHIN WORK ZONE AT DODGE/CALIFORNIA AV. DE-ENERGIZE AND REMOVE TEMPORARY TRAFFIC SIGNALS.

SUB-PHASE P: CONSTRUCT SPOT CURB AND GUTTER AND SIDEWALK REMOVALS AND REPLACEMENTS ON NORTH SIDE, FROM LIMITS OF SUB-PHASE O TO WEST PROJECT LIMITS.

STAGE 3 – CONSTRUCTION OF DEFERRED BUMP-OUTS AND ROADWAY SURFACE

- BUMP-OUT COMPLETION AND PLACEMENT OF HMA SURFACE COURSE SHALL BE PERFORMED UNDER THE APPLICABLE PORTIONS OF HIGHWAY STANDARDS 701011-04, 701311-03, 701606-10, 701611-01, 701701-10 AND 701801-06 OR AS OTHERWISE DIRECTED BY THE ENGINEER.
- TWO-WAY TRAFFIC SHALL BE MAINTAINED ON ALL PROJECT STREETS AT ALL TIMES EXCEPT WHEN TRAFFIC IS FLAGGED AROUND THE WORK ZONE UNDER STANDARD 701501. ONE LANE OF TRAFFIC SHALL BE PROVIDED IN EACH DIRECTION WHEN THE CONTRACTOR IS NOT WORKING AND/OR WHEN FLAGGERS TO REGULATE TRAFFIC ARE NOT PROVIDED.
- MAINTAIN THE BIKE DETOUR ROUTE INCLUDING ALL SIGNAGE. MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- AT THE COMPLETION OF RESURFACING WORK, INSTALL ALL FINAL PAVEMENT MARKINGS PER THE RELEVANT PLAN SHEETS.

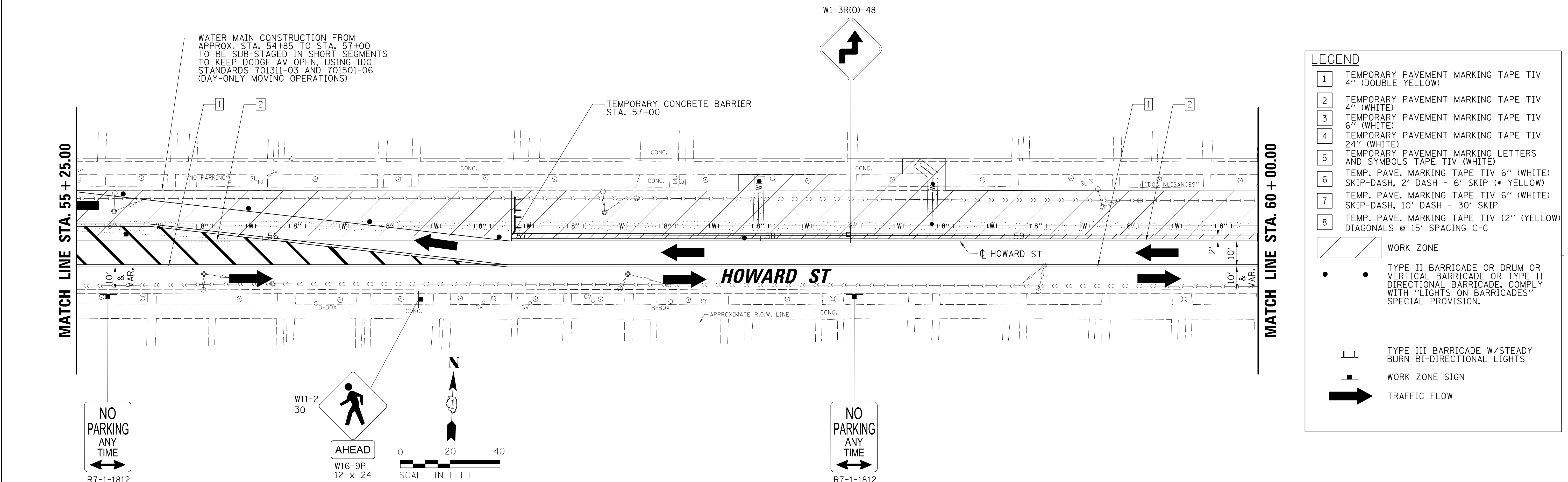
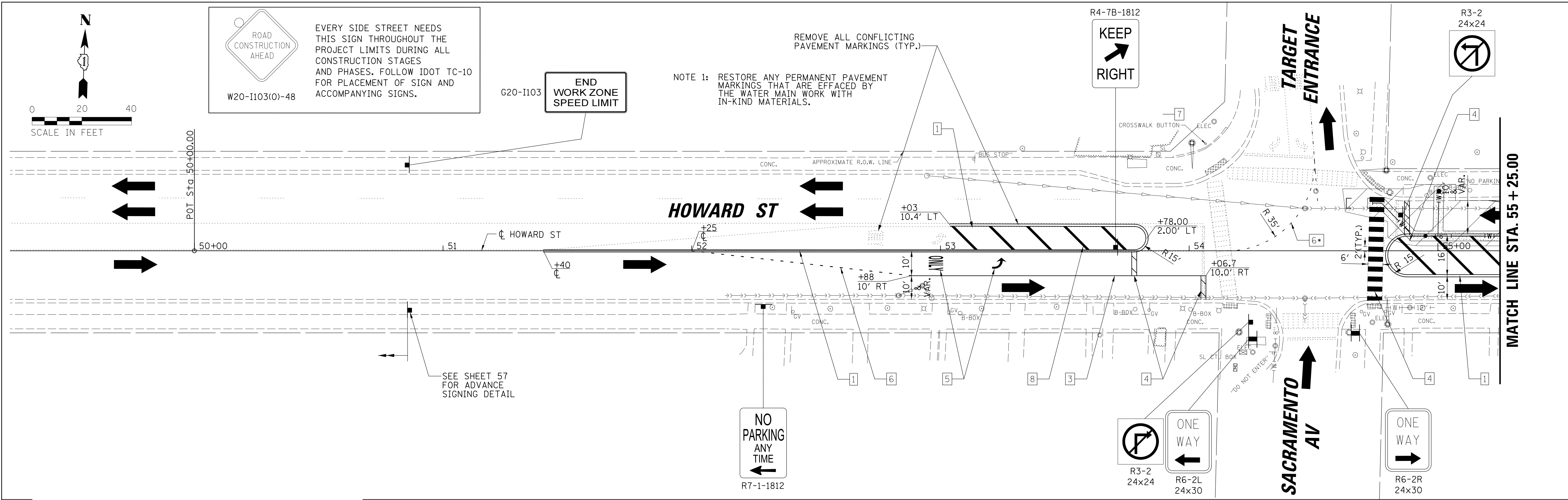
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC GENERAL NOTES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	60
				CONTRACT NO. 61G30
ILLINOIS FED. AID PROJECT				



LEGEND

- 1 TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)
- 2 TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)
- 3 TEMPORARY PAVEMENT MARKING TAPE TIV 6" (WHITE)
- 4 TEMPORARY PAVEMENT MARKING TAPE TIV 24" (WHITE)
- 5 TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS TAPE TIV (WHITE)
- 6 TEMP. PAVE. MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP (* YELLOW)
- 7 TEMP. PAVE. MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 10' DASH - 30' SKIP
- 8 TEMP. PAVE. MARKING TAPE TIV 12" (YELLOW) DIAGONALS @ 15' SPACING C-C

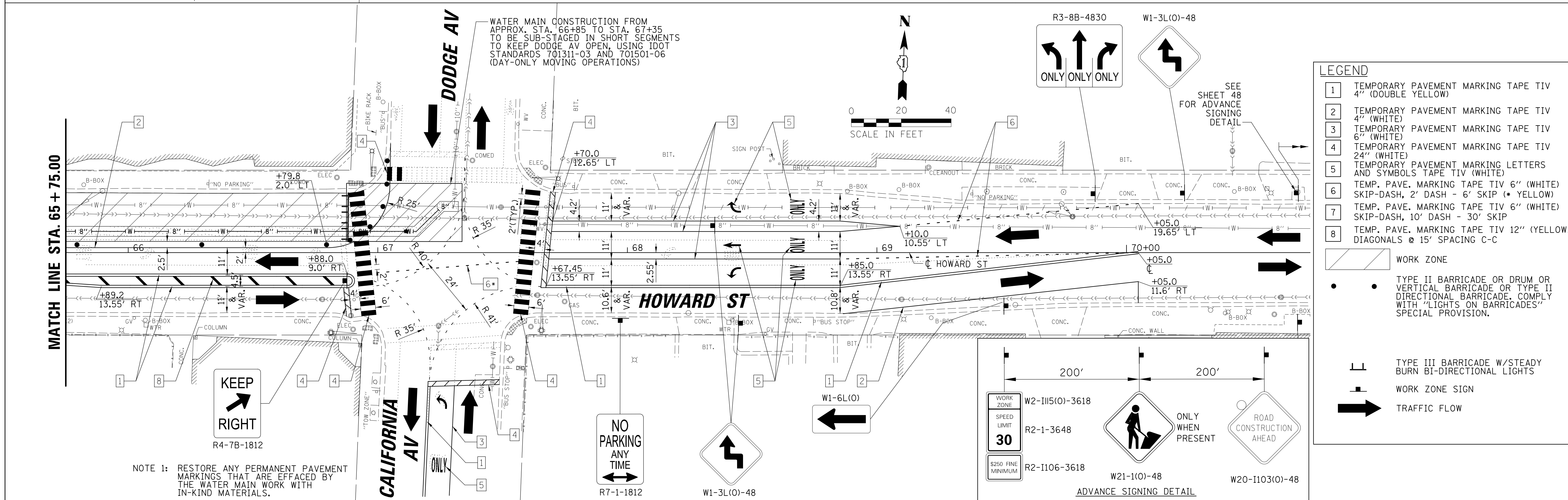
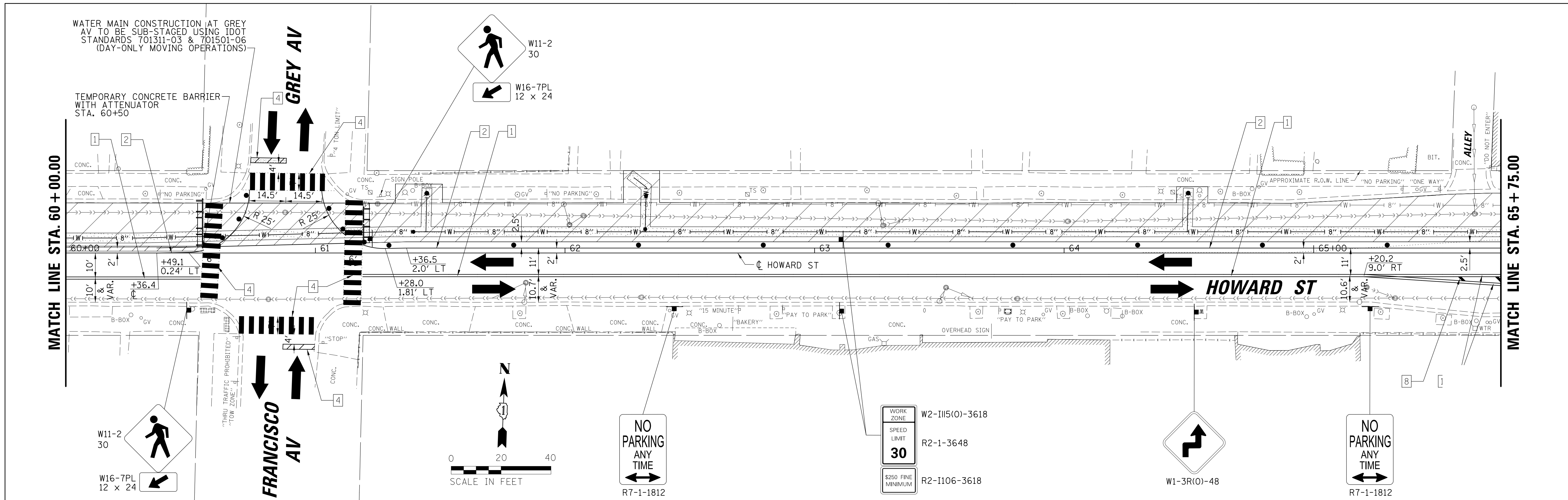
WORK ZONE

TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.

TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS

WORK ZONE SIGN

TRAFFIC FLOW



LEGEND

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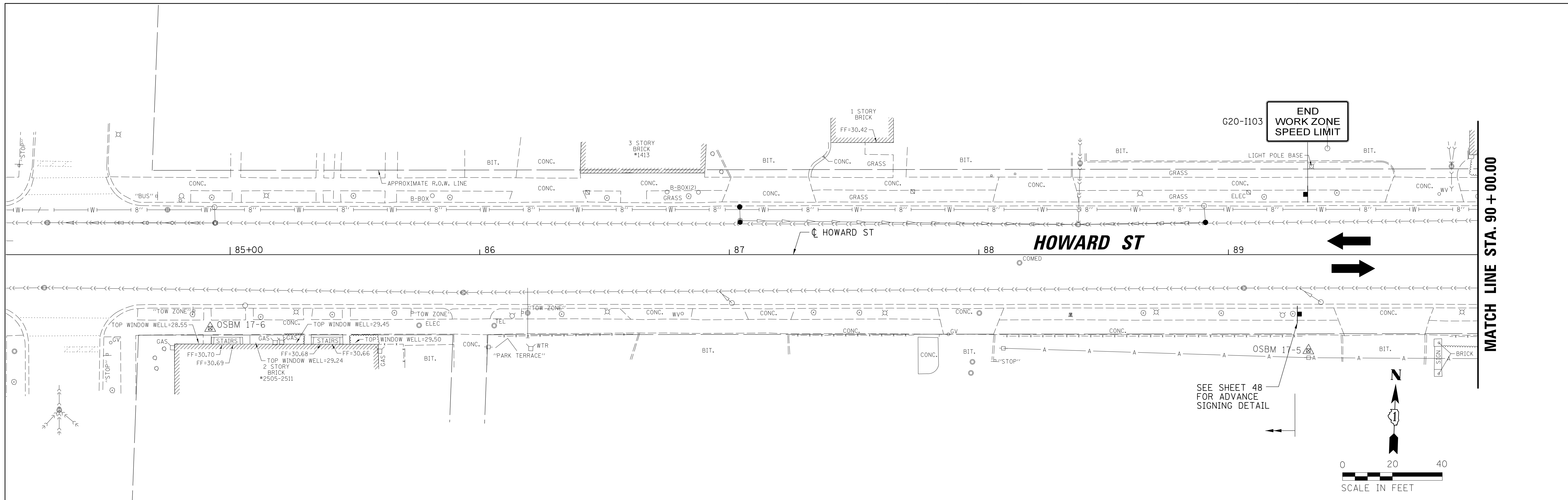
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TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS

WORK ZONE SIGN

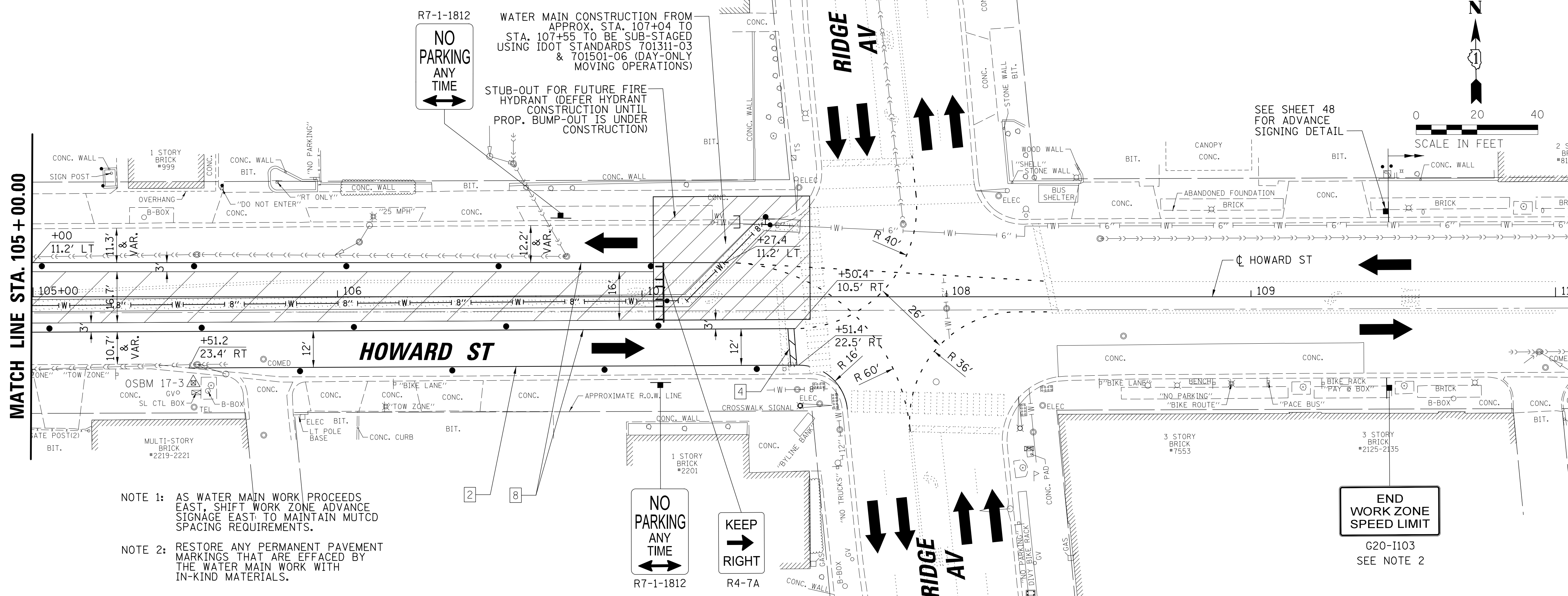
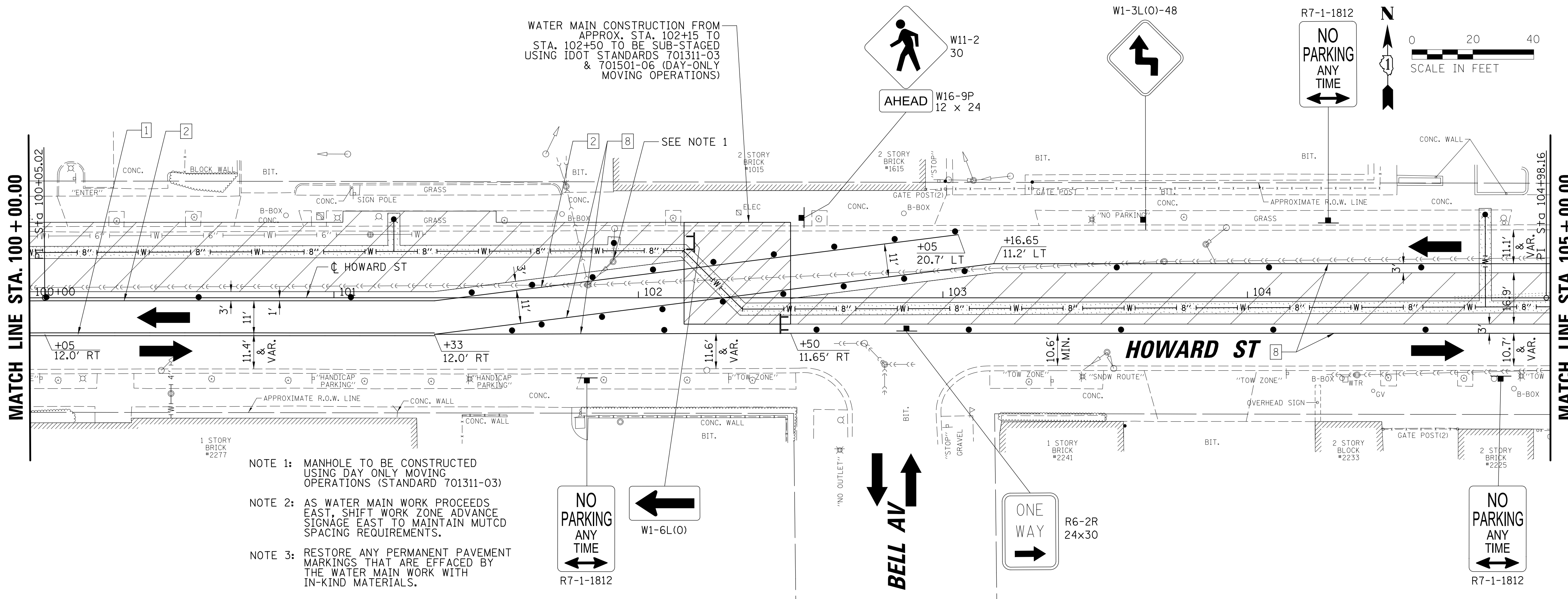
TRAFFIC FLOW



LEGEND

1	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)		WORK ZONE
2	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)		TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
3	TEMPORARY PAVEMENT MARKING TAPE TIV 6" (WHITE)		TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
4	TEMPORARY PAVEMENT MARKING TAPE TIV 24" (WHITE)		WORK ZONE SIGN
5	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS TAPE TIV (WHITE)		TRAFFIC FLOW
6	TEMPORARY PAVE. MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP (* YELLOW)		
7	TEMPORARY PAVE. MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 10' DASH - 30' SKIP		
8	TEMPORARY PAVEMENT MARKING 4" (YELLOW)		

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	PLOT DATE = 1/21/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

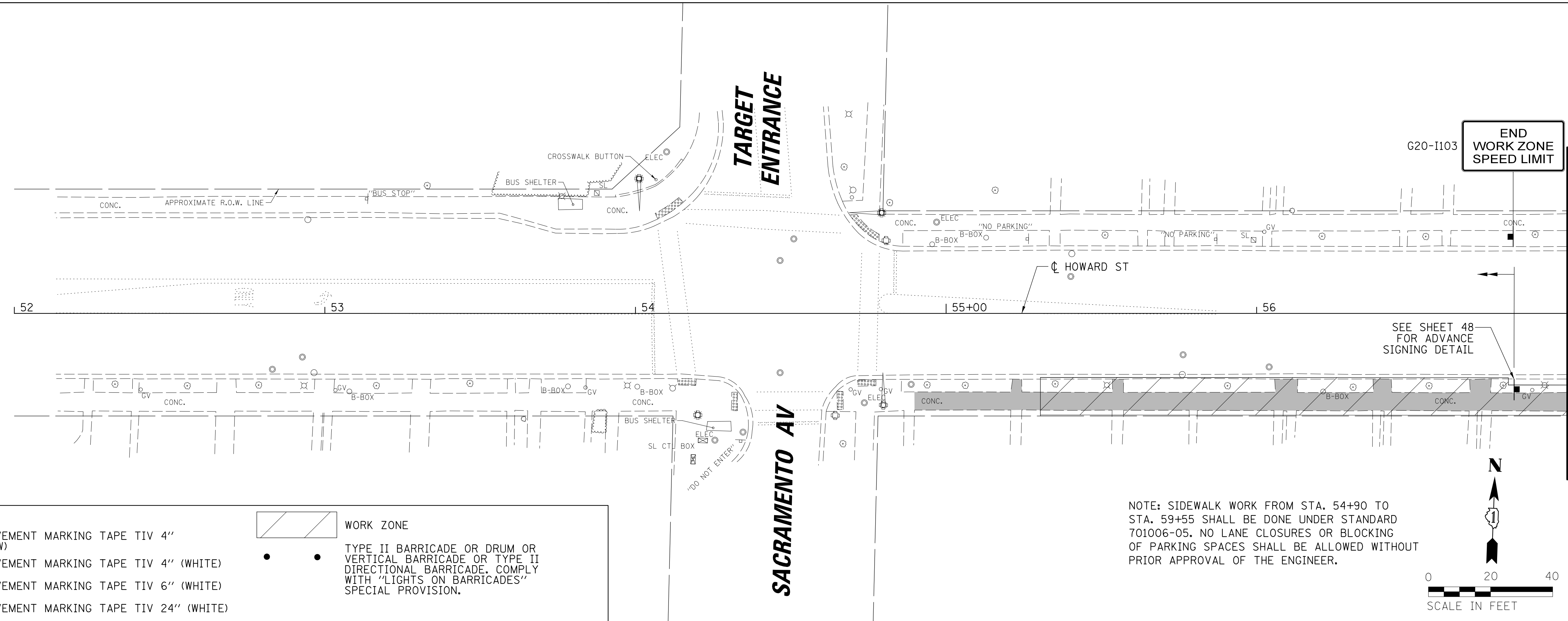


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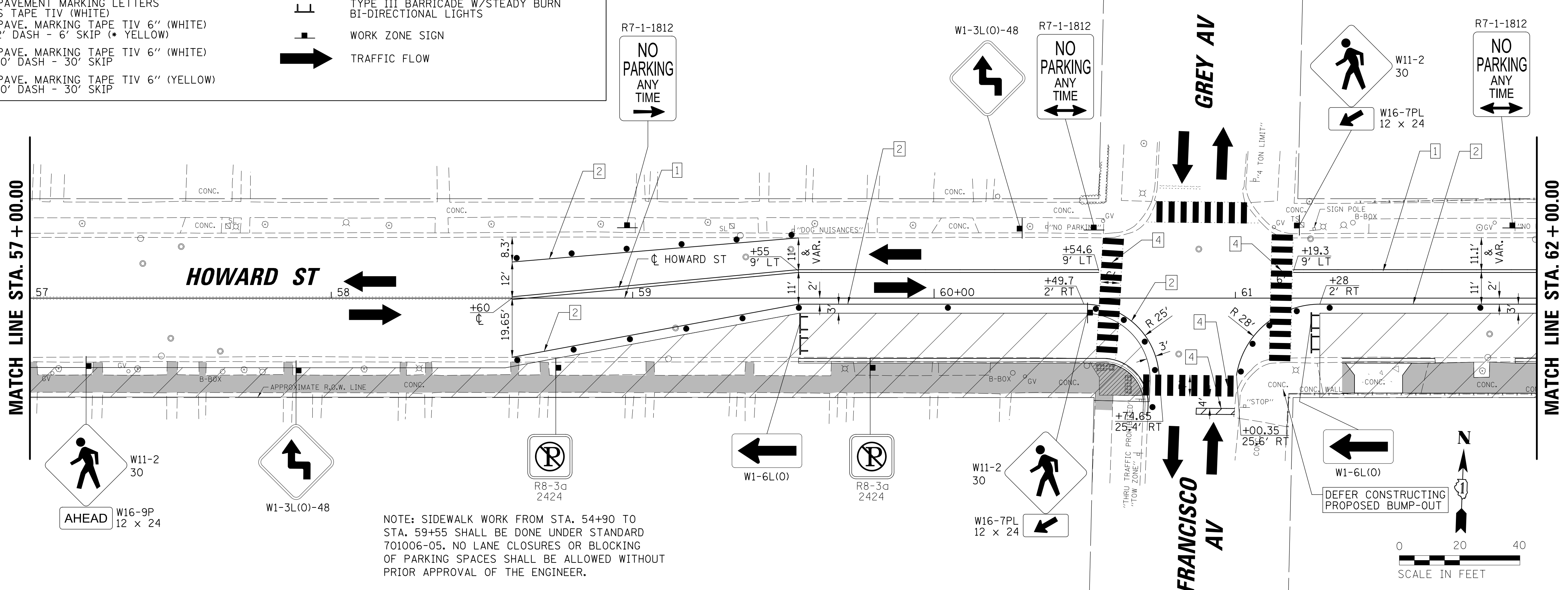
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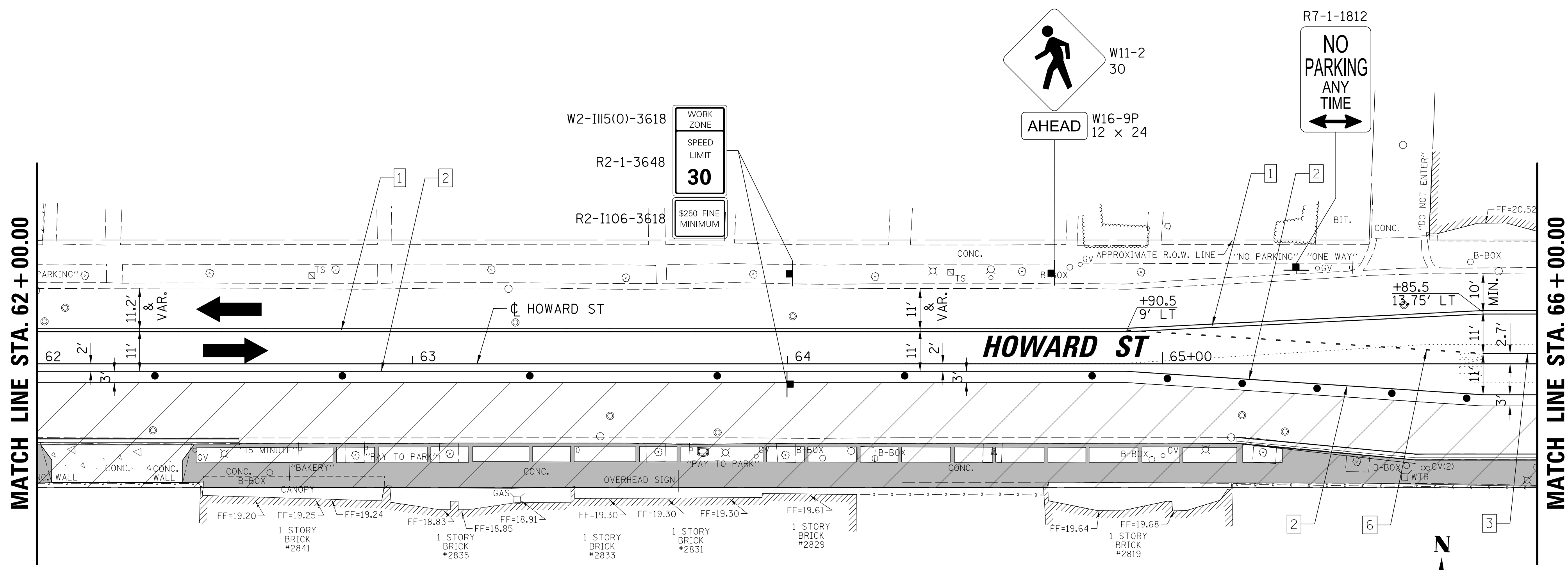
WORK ZONE

- TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
- TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
- WORK ZONE SIGN
- TRAFFIC FLOW



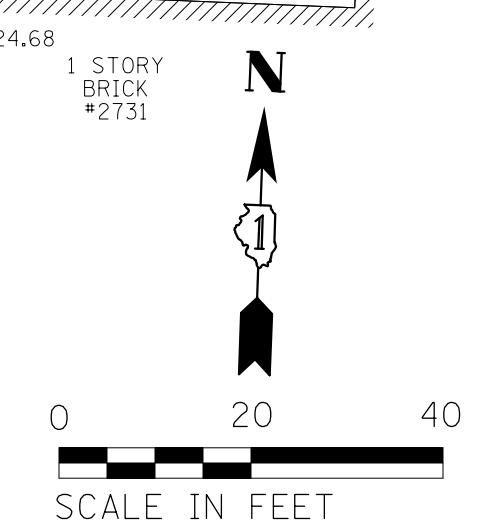
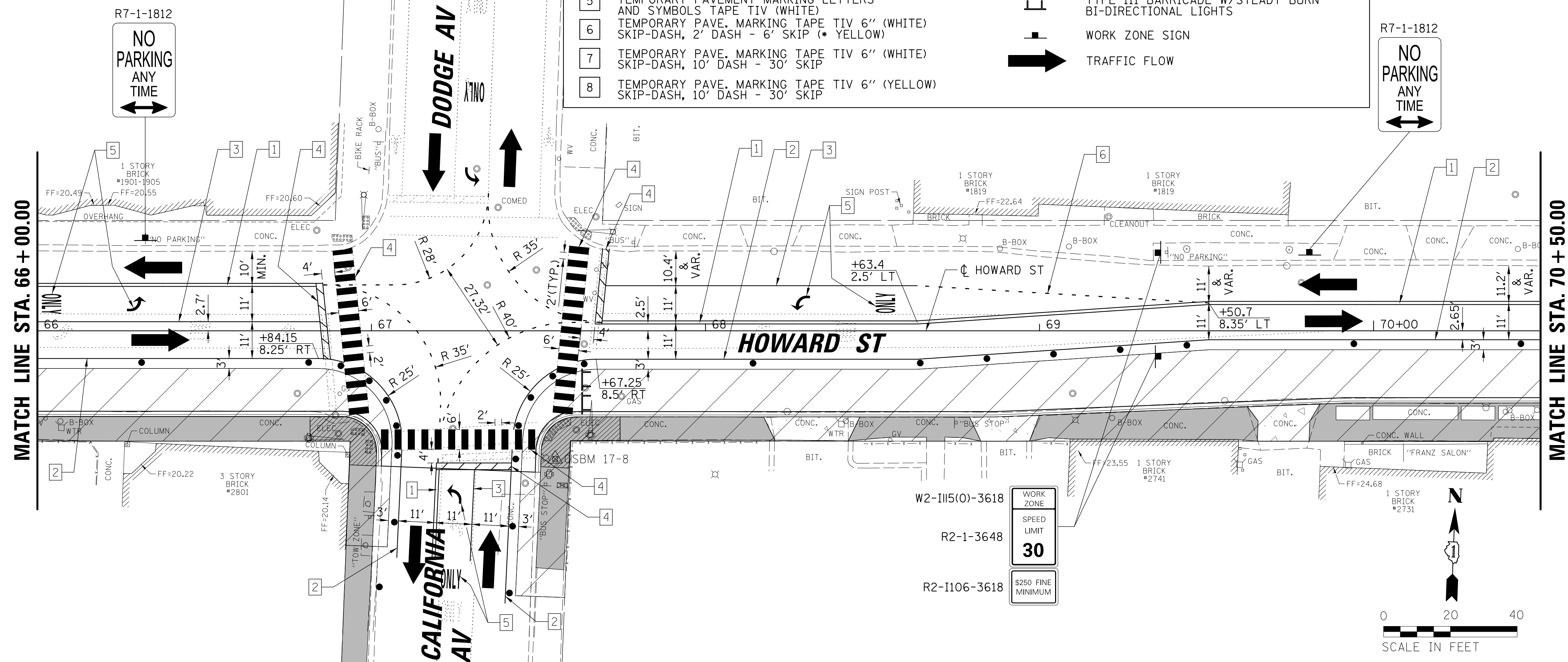
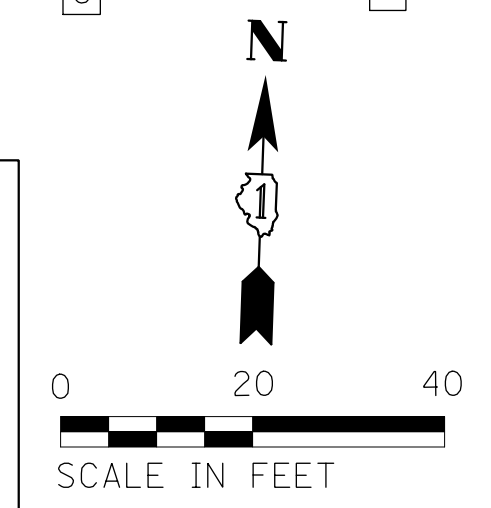
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	WORK ZONE
	TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW

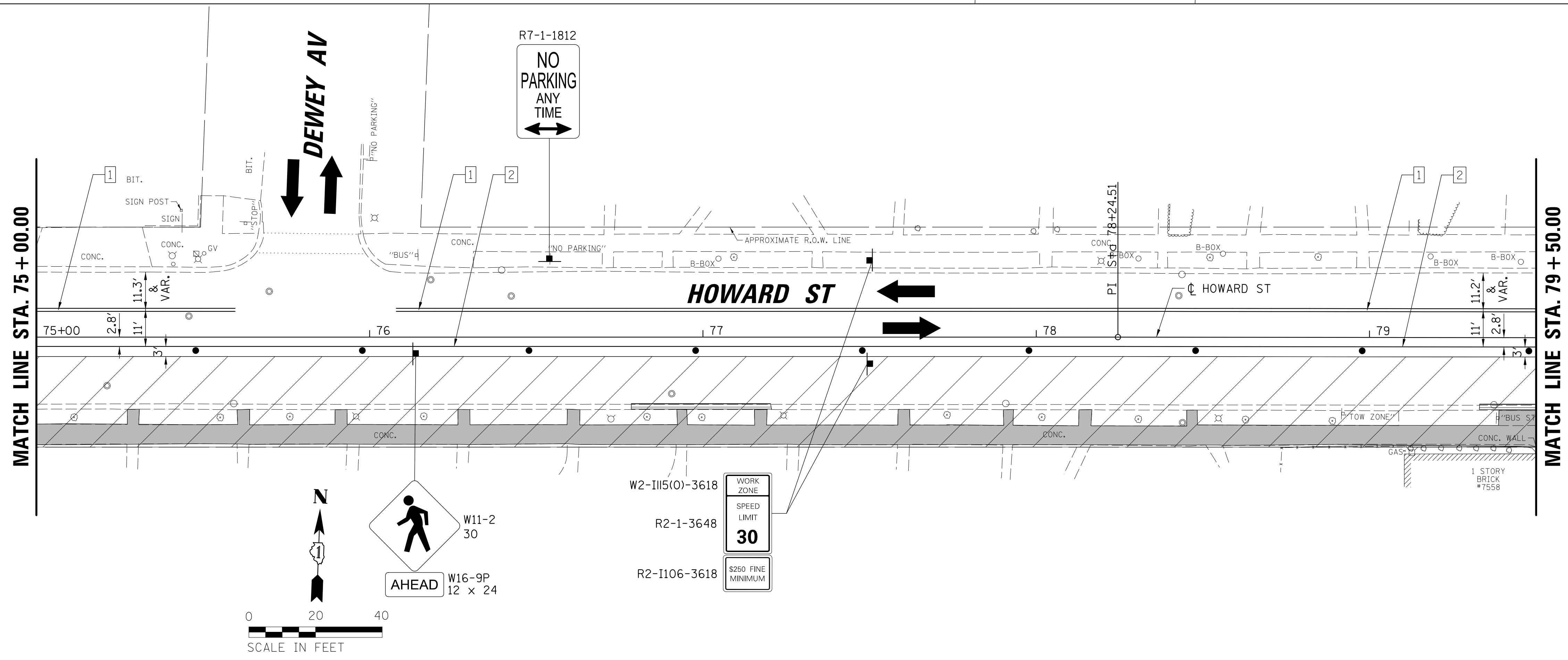
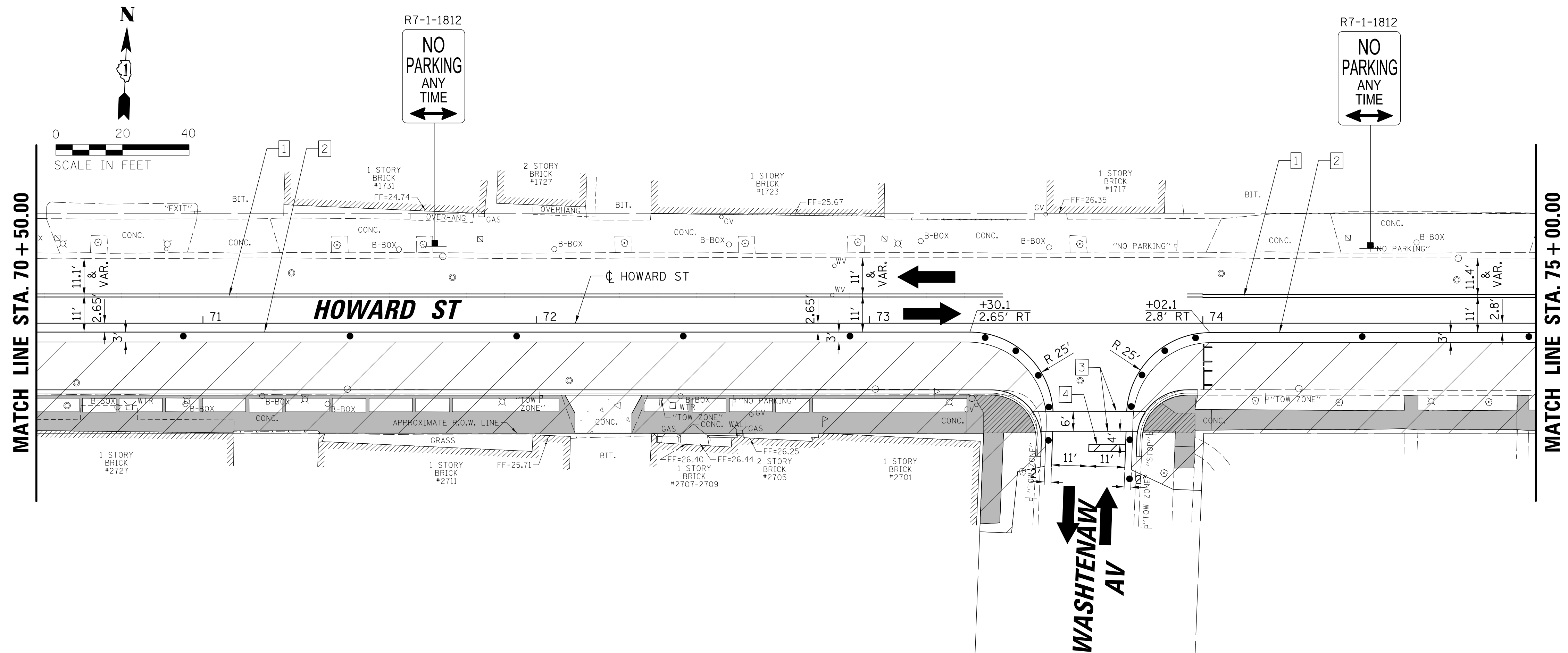




LEGEND

1	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)	[Hatched Box]	WORK ZONE
2	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)	[Dotted Box]	TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
3	TEMPORARY PAVEMENT MARKING TAPE TIV 6" (WHITE)	[T-shaped Symbol]	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
4	TEMPORARY PAVEMENT MARKING TAPE TIV 24" (WHITE)	[Square with X Symbol]	WORK ZONE SIGN
5	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS TAPE TIV (WHITE)	[Arrow Symbol]	TRAFFIC FLOW
6	TEMPORARY PAVE. MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP (* YELLOW)		
7	TEMPORARY PAVE. MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 10' DASH - 30' SKIP		
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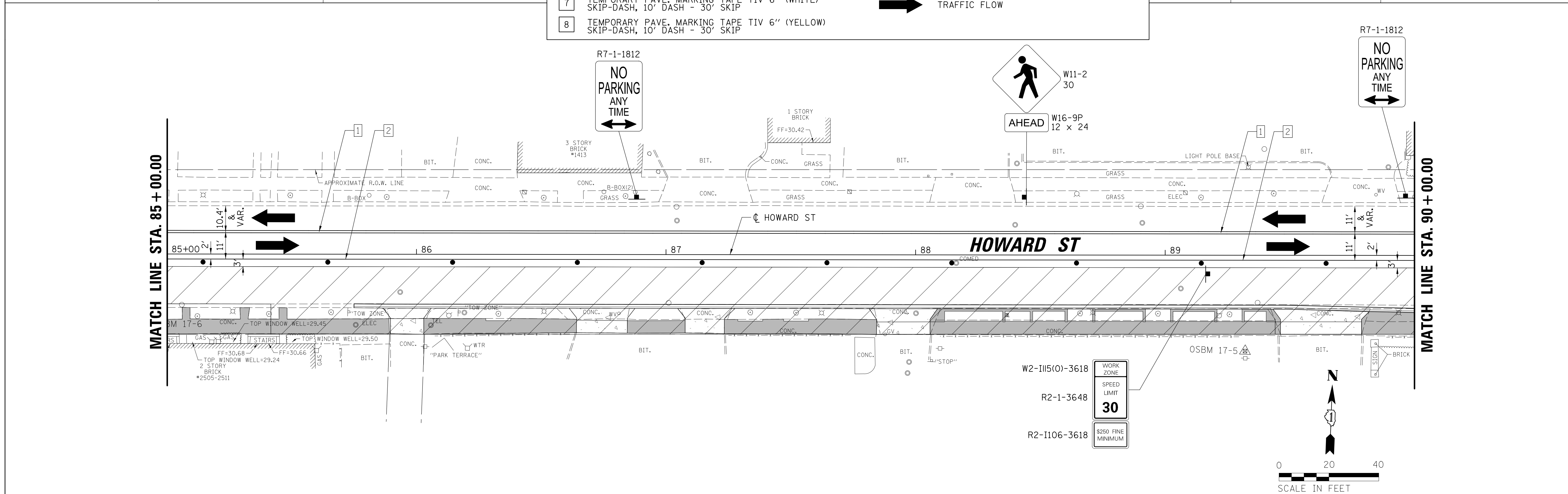
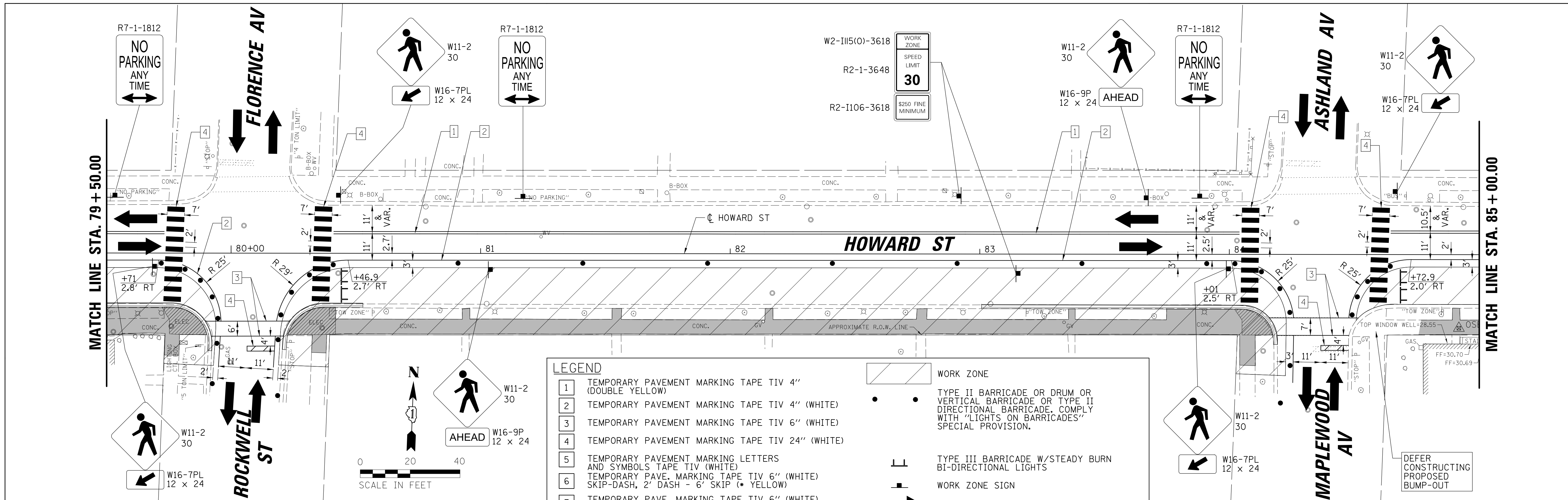


LEGEND

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	WORK ZONE
	TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW

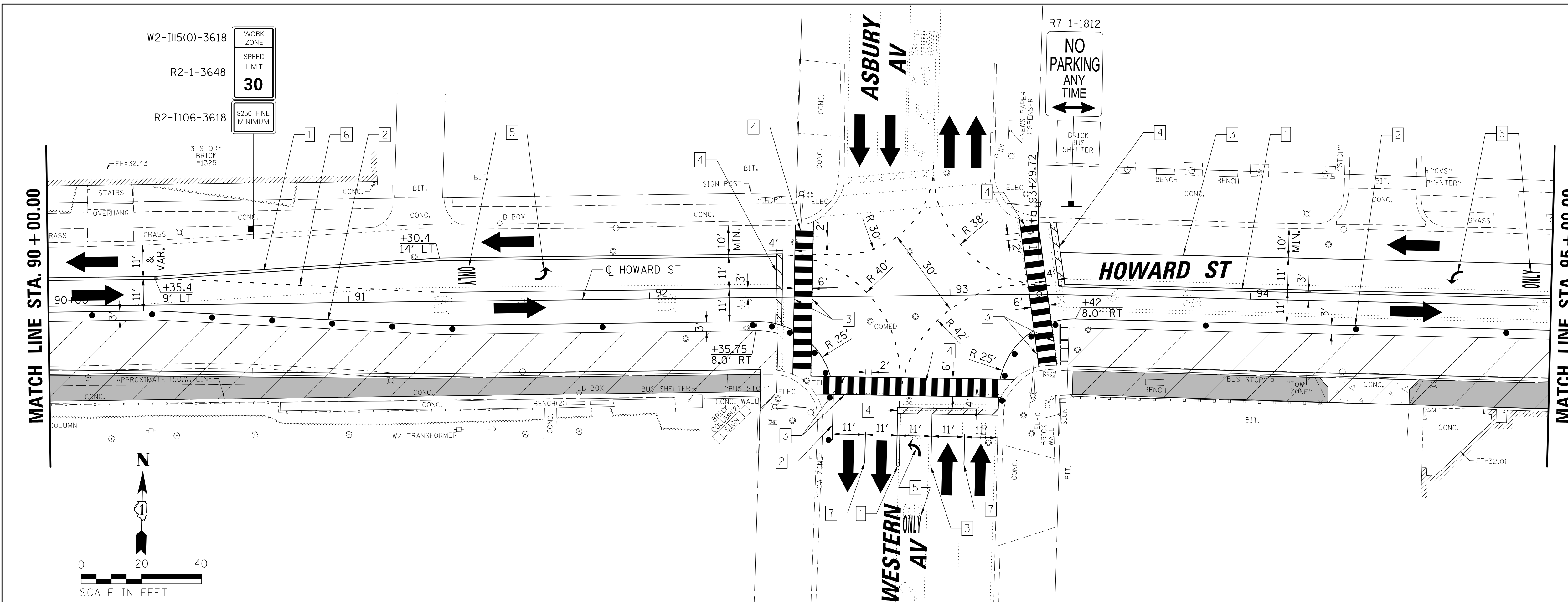
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PLOT SCALE = 20'	CHECKED - MEK	REVISIED -	REVISIED -			CONTRACT NO. 61G30					
PLOT DATE = 1/21/2020	DATE -	REVISIED -	REVISIED -			ILLINOIS FED. AID PROJECT					
Default						SCALE: 1" = 20' SHEET 3 OF 8 SHEETS STA. 70+50.00 TO STA. 79+50.00					



LEGEND

1	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)	WORK ZONE
2	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)	TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
3	TEMPORARY PAVEMENT MARKING TAPE TIV 6" (WHITE)	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
4	TEMPORARY PAVEMENT MARKING TAPE TIV 24" (WHITE)	WORK ZONE SIGN
5	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS TAPE TIV (WHITE)	TRAFFIC FLOW
6	TEMPORARY PAVE. MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 2' DASH - 6' SKIP (* YELLOW)	
7	TEMPORARY PAVE. MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 10' DASH - 30' SKIP	
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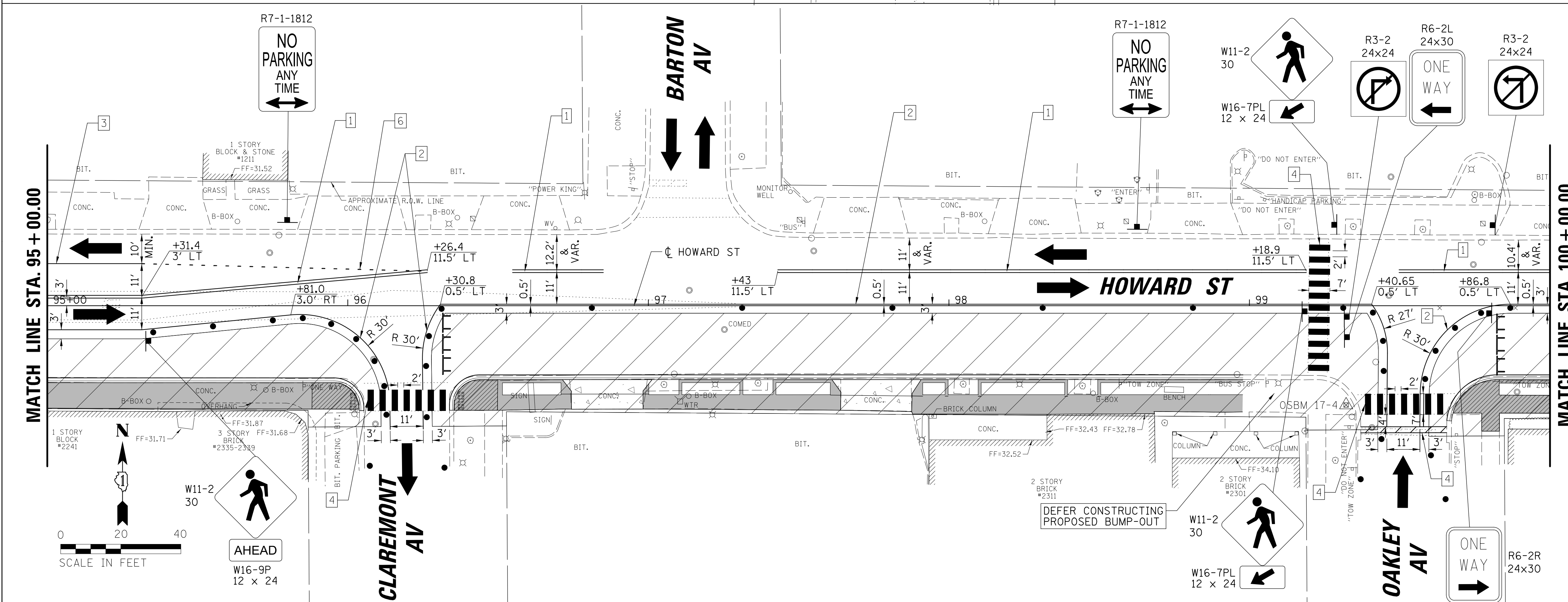
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Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -		SCALE: 1" = 20'	SHEET 4 OF 8 SHEETS	STA. 79+50.00 TO STA. 90+00.00	CONTRACT NO. 61G30				
	PLOT DATE = 1/21/2020	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



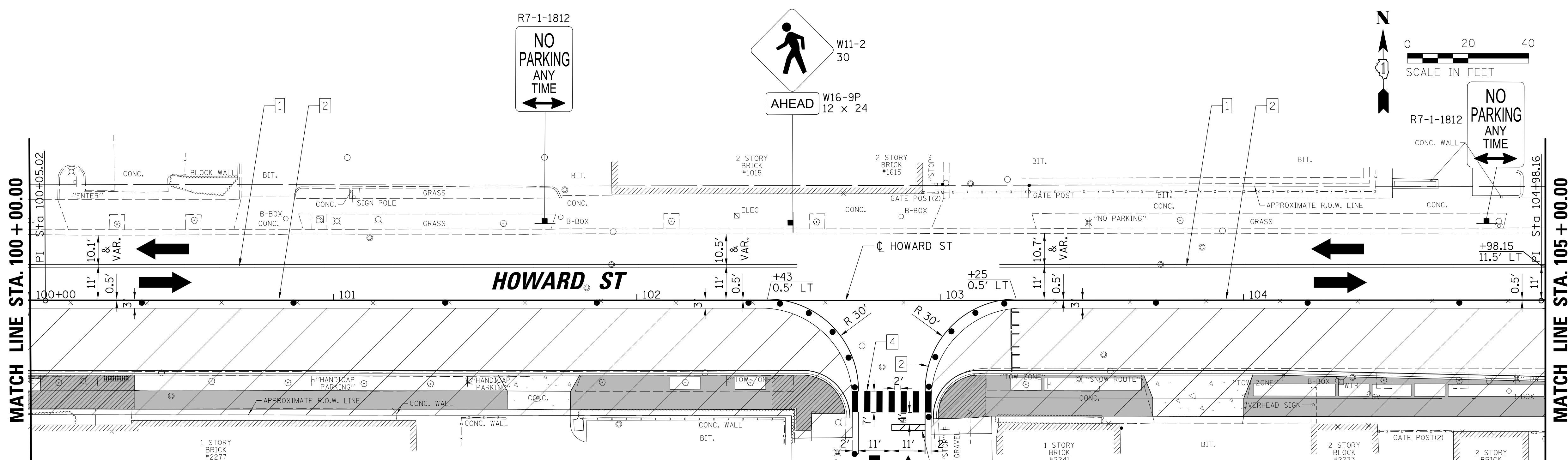
LEGEND

- 1 TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)
- 2 TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)
- 3 TEMPORARY PAVEMENT MARKING TAPE TIV 6" (WHITE)
- 4 TEMPORARY PAVEMENT MARKING TAPE TIV 24" (WHITE)
- 5 TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS TAPE TIV (WHITE)
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- 7 TEMP. PAVEMENT MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 10' DASH - 30' SKIP
- 8 TEMP. PAVEMENT MARKING TAPE TIV 6" (YELLOW) SKIP-DASH, 10' DASH - 30' SKIP

WORK ZONE
 TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
 TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
 WORK ZONE SIGN
 TRAFFIC FLOW

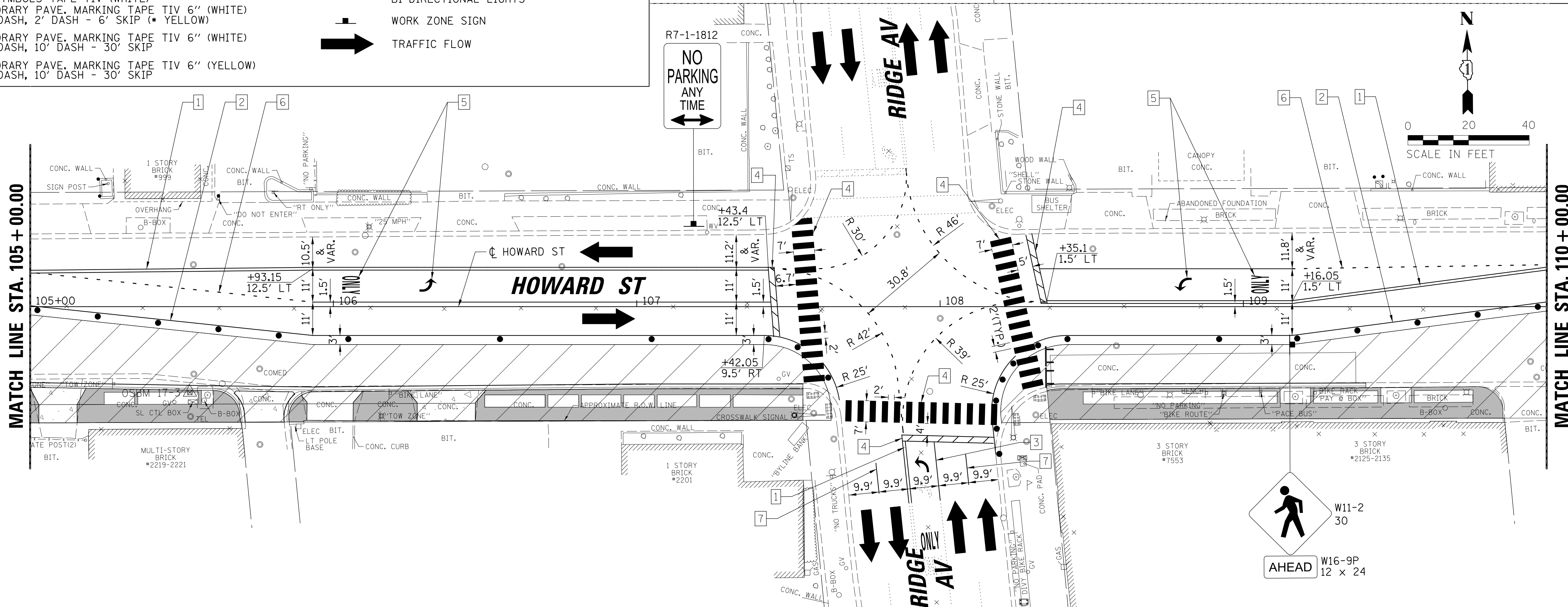


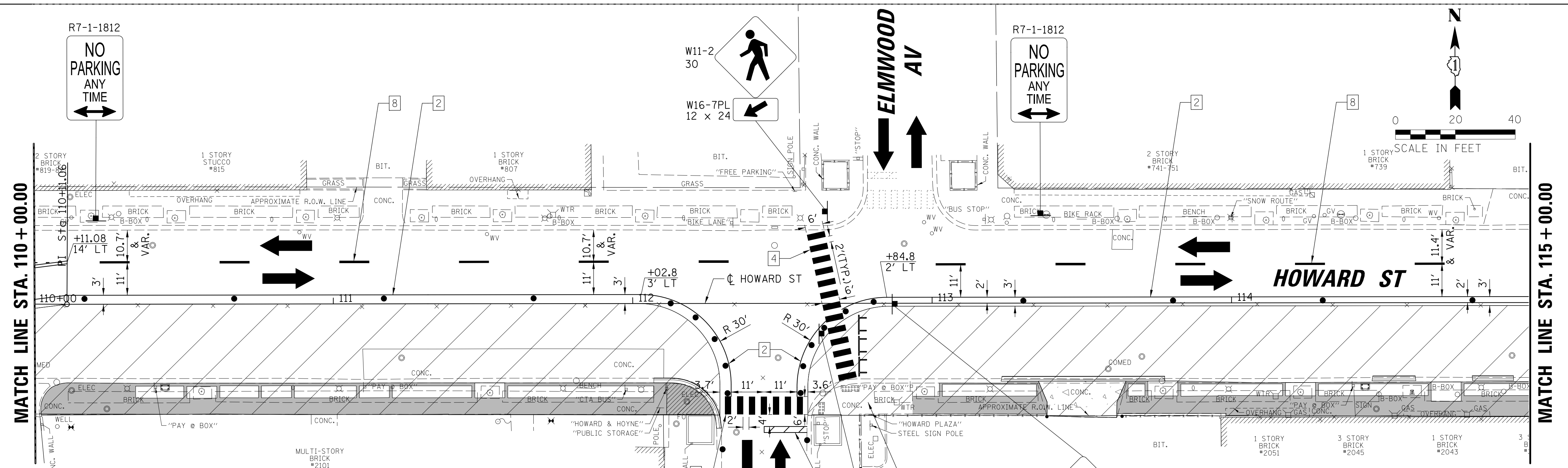
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Default	PLOT DATE = 1/21/2020	DRAWN - NHL	REVISED -			SCALE: 1" = 20'	SHEET 5 OF 8 SHEETS	CONTRACT NO. 61G30		ILLINOIS FED. AID PROJECT	
		CHECKED - MEK	REVISED -			STA. 90+00.00 TO STA. 100+00.00					
		DATE -	REVISED -								



LEGEND

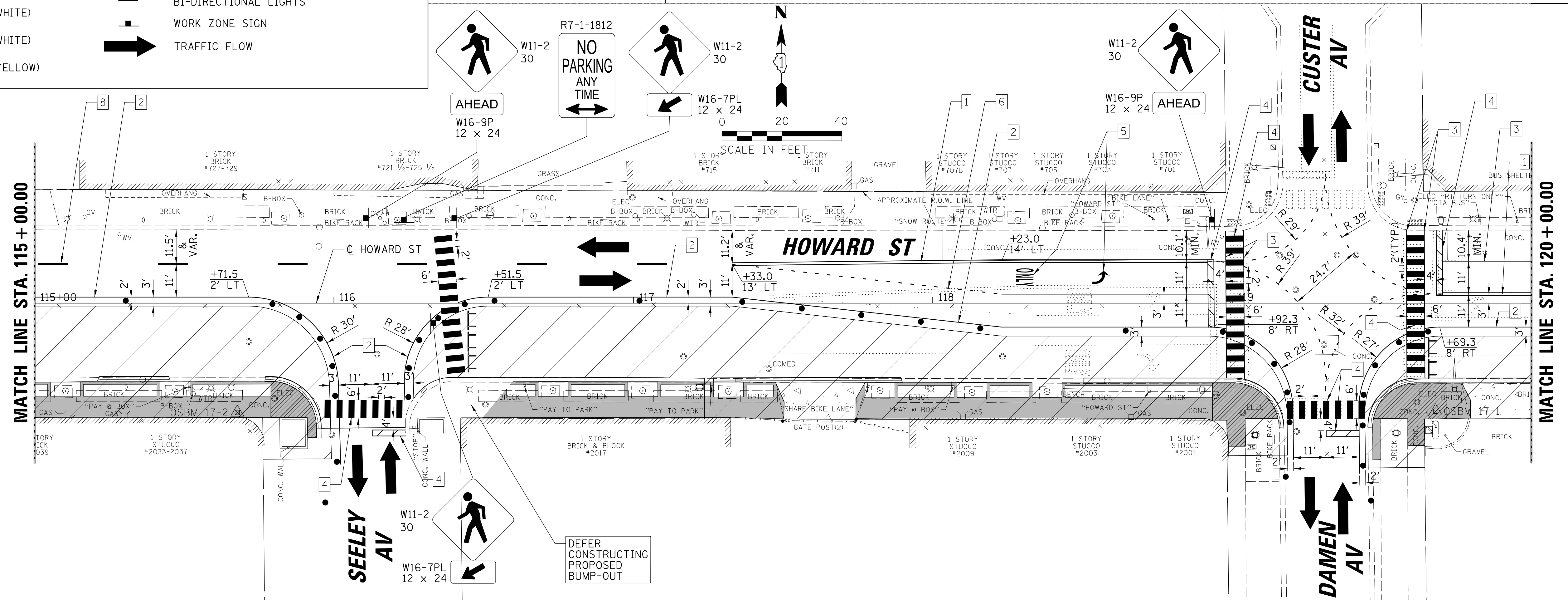
1	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)	WORK ZONE
2	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)	TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
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7	TEMPORARY PAVE. MARKING TAPE TIV 6" (WHITE) SKIP-DASH, 10' DASH - 30' SKIP	TRAFFIC FLOW
8	TEMPORARY PAVE. MARKING TAPE TIV 6" (YELLOW) SKIP-DASH, 10' DASH - 30' SKIP	

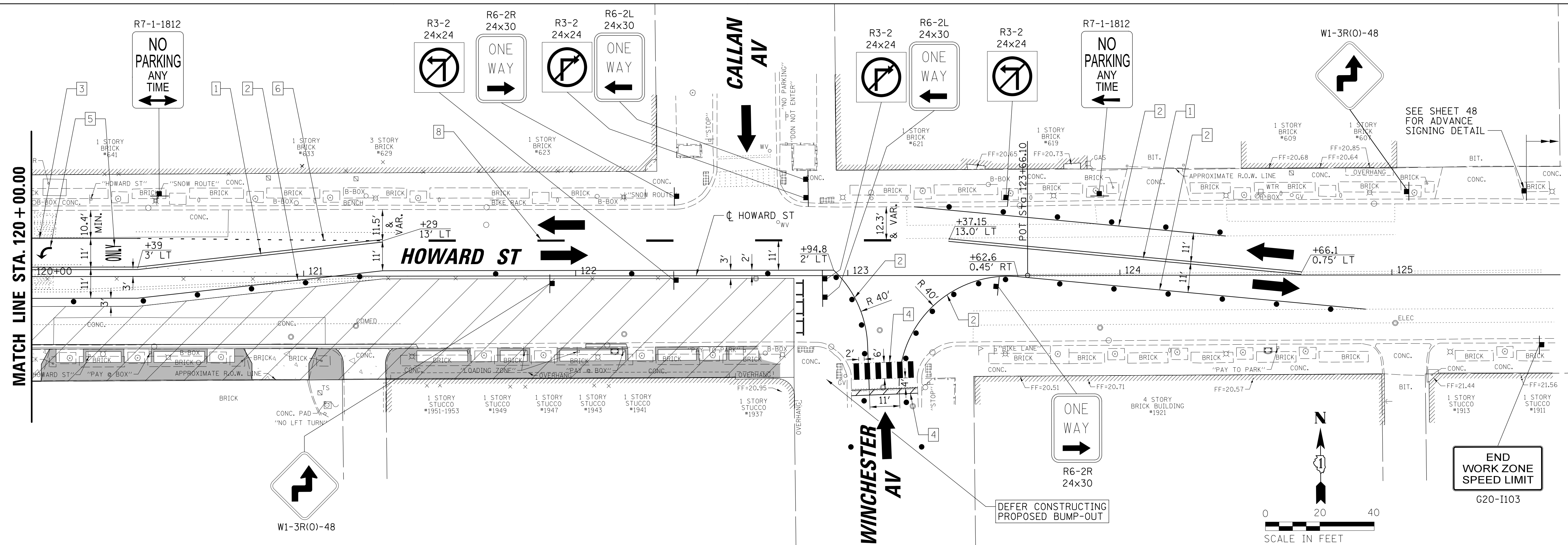




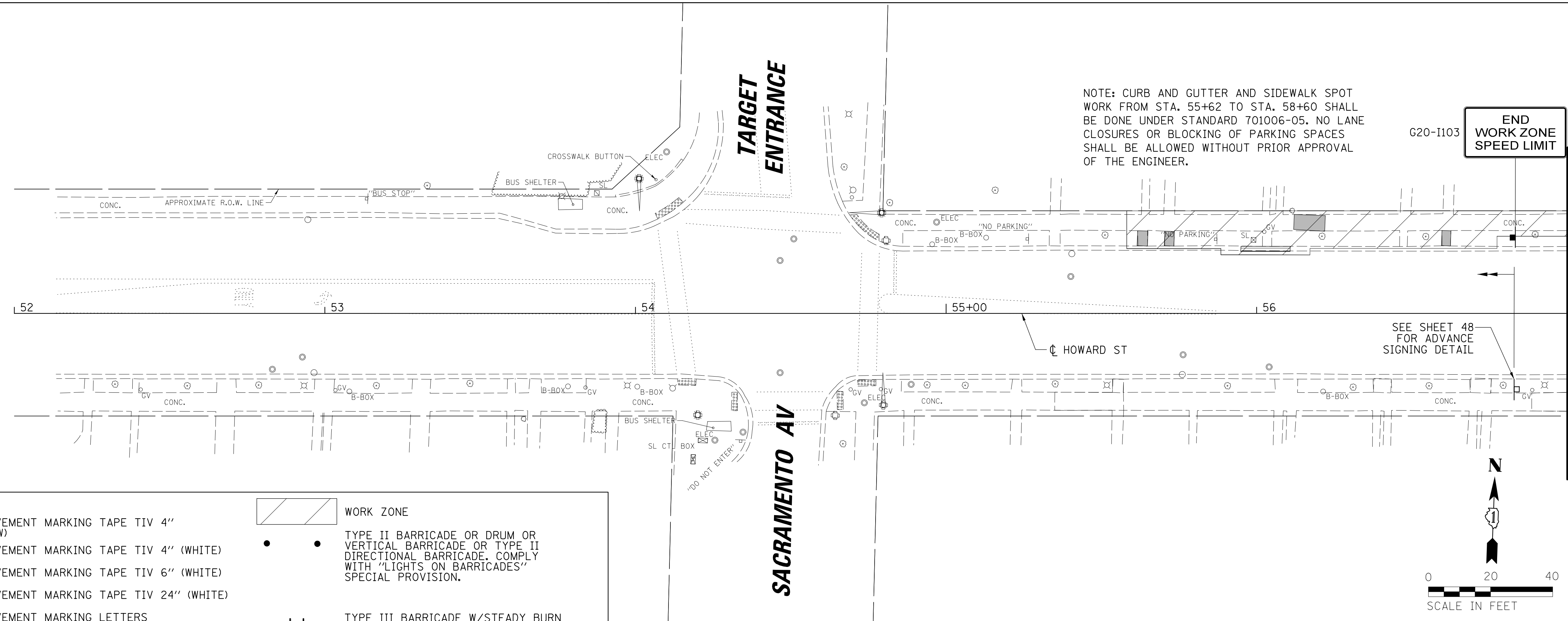
LEGEND

1	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)		WORK ZONE
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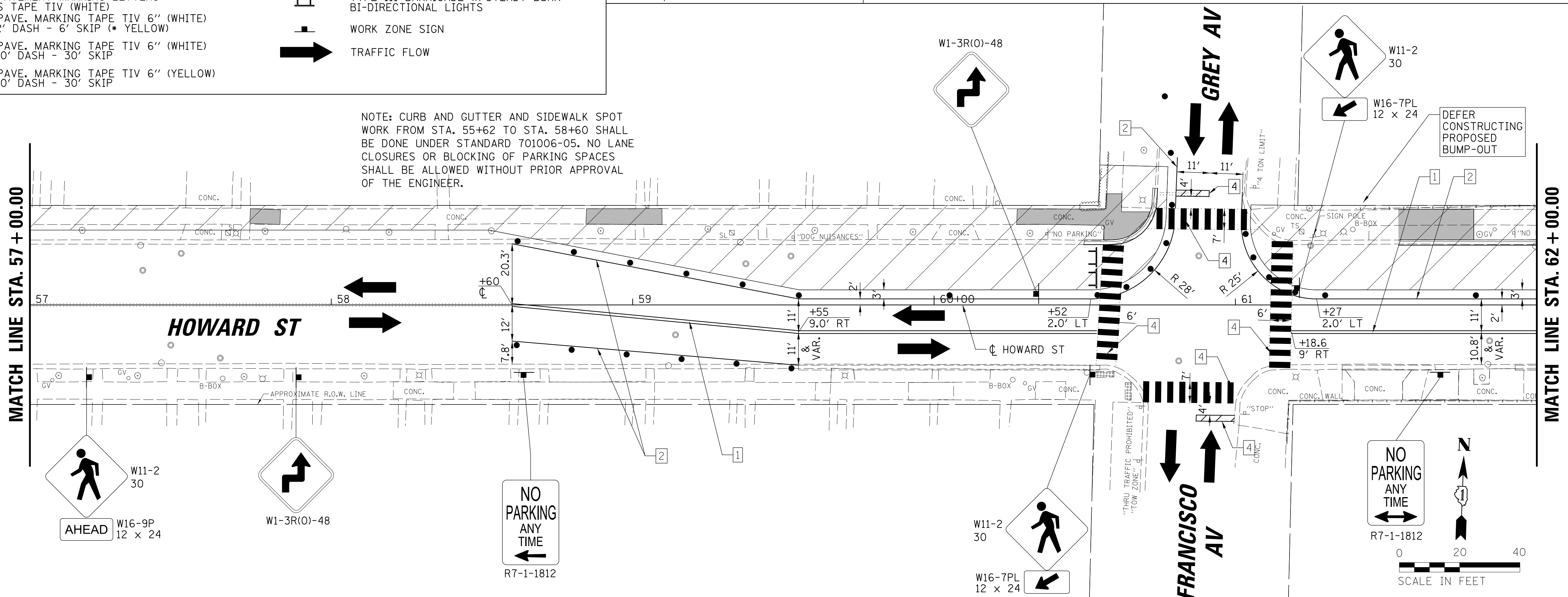




LEGEND	
1	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)
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	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW



LEGEND	
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	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW



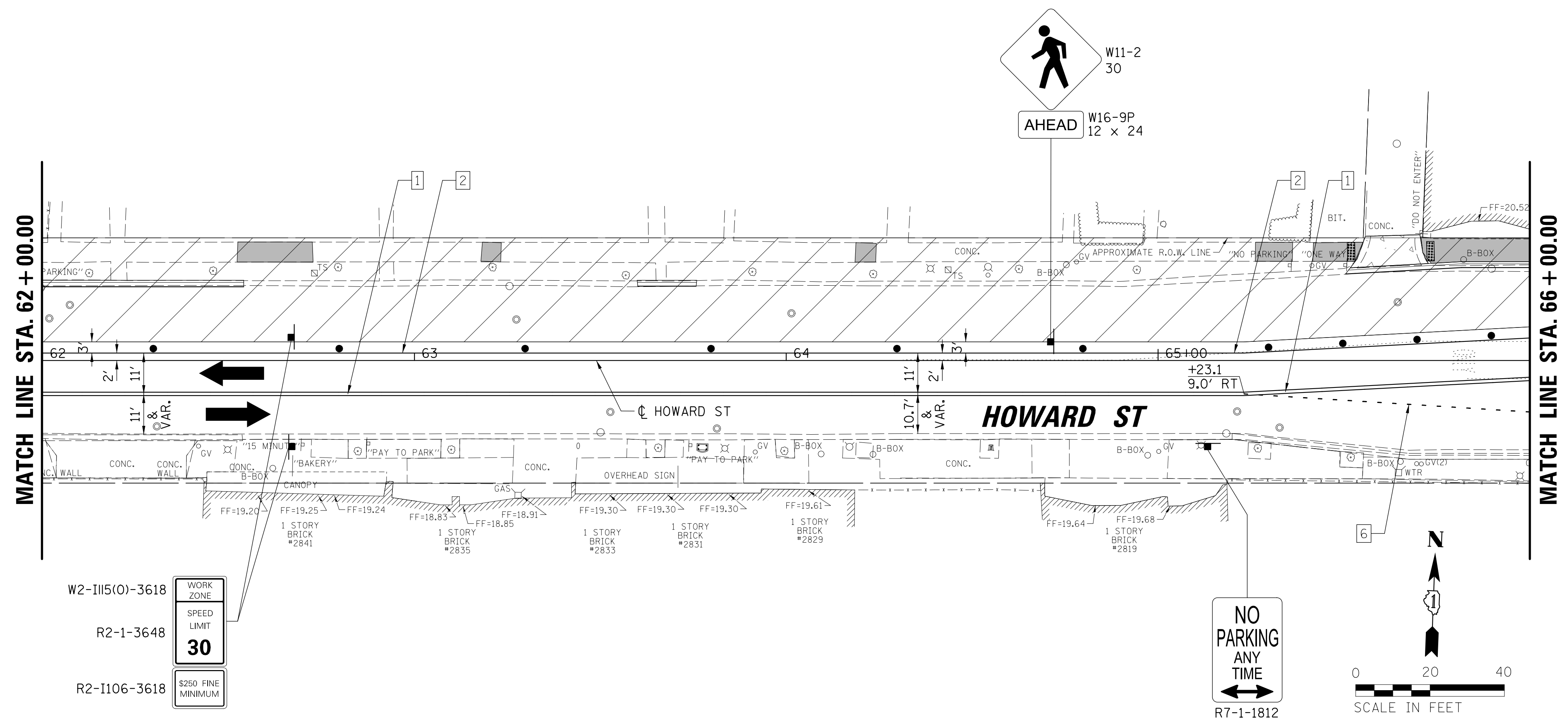
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Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -
	PLOT DATE = 1/21/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
MAINTENANCE OF TRAFFIC STAGE 2 PHASE 2**

SCALE: 1" = 20' SHEET 1 OF 8 SHEETS STA. 52+00.00 TO STA. 62+00.00

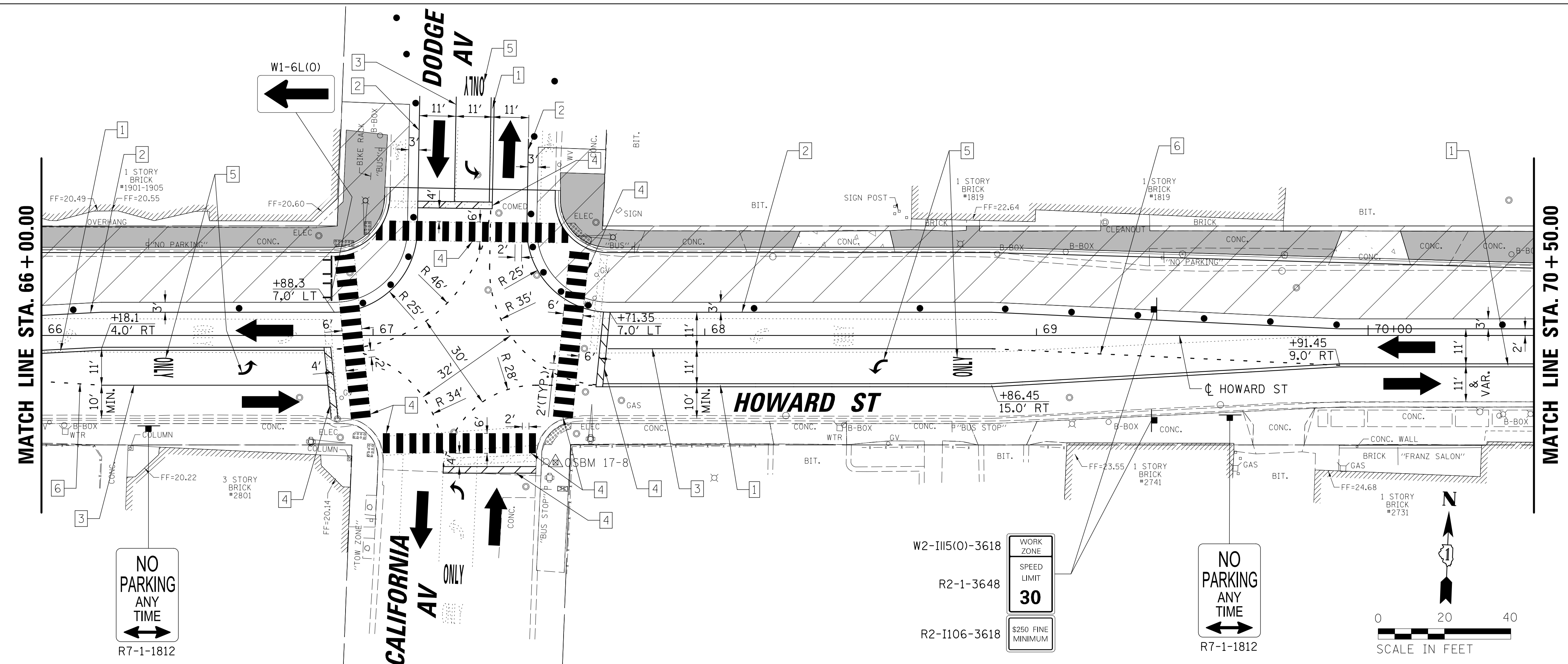
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	74
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



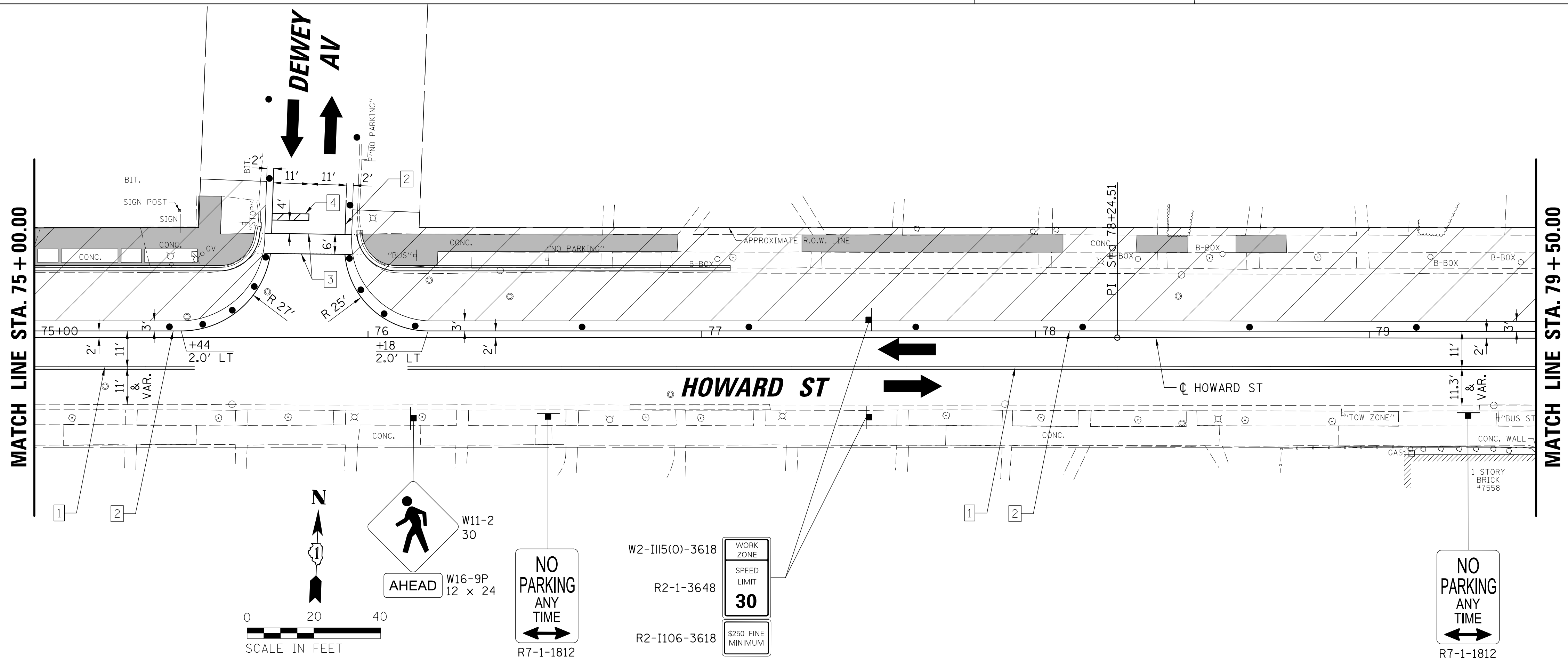
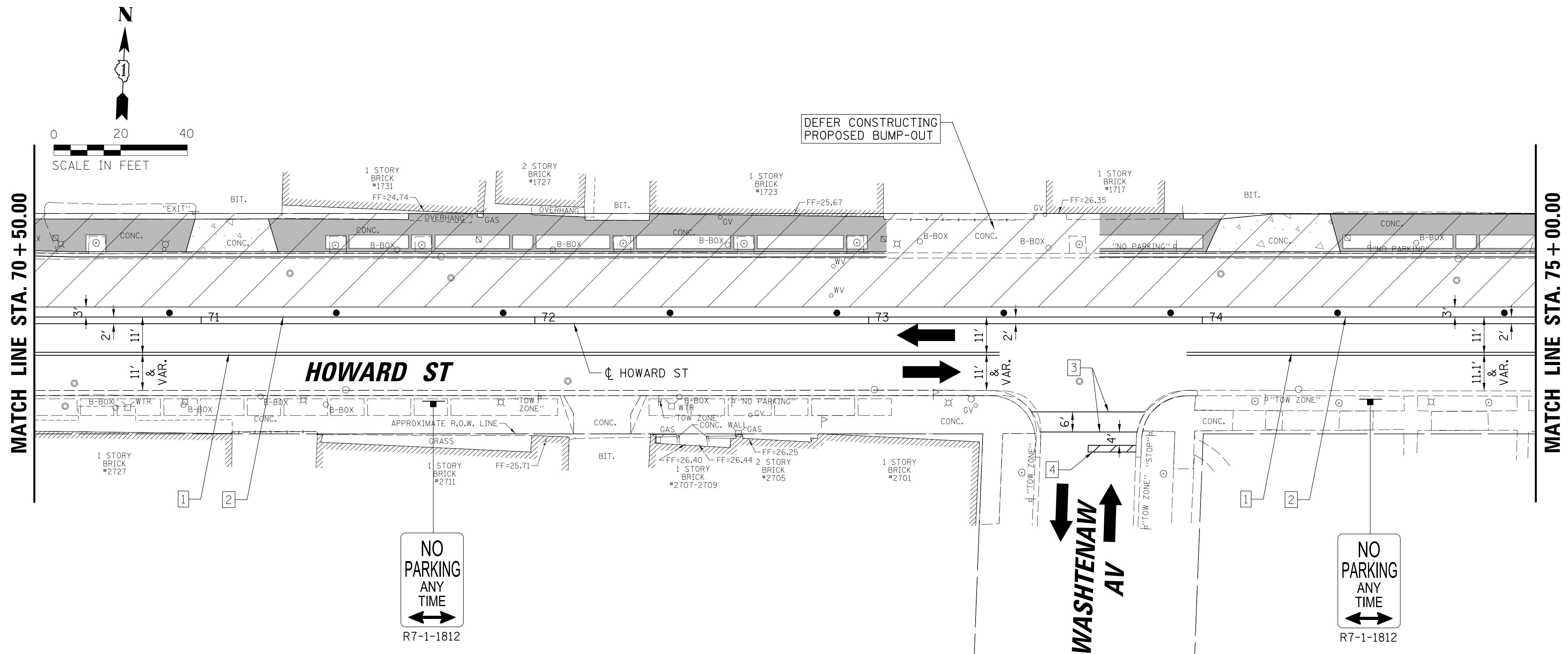
LEGEND

- 1 TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)
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- WORK ZONE
- TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
- TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
- WORK ZONE SIGN
- TRAFFIC FLOW



FILE NAME = N:\EVANSTON\190121\Civil\MOT_NORTH_ST2.P	USER NAME = mmichalowicz	DESIGNED - VMR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT MAINTENANCE OF TRAFFIC STAGE 2 PHASE 2	F.A.U. RTE. = 1334	SECTION = 17-00281-00-RS	COUNTY = COOK	TOTAL SHEETS = 270	SHEET NO. = 75	
Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -			SCALE: 1" = 20'	SHEET 2 OF 8 SHEETS	CONTRACT NO. 61G30		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/21/2020	DATE -	REVISED -			STA. 62+00.00 TO STA. 70+50.00					



LEGEND

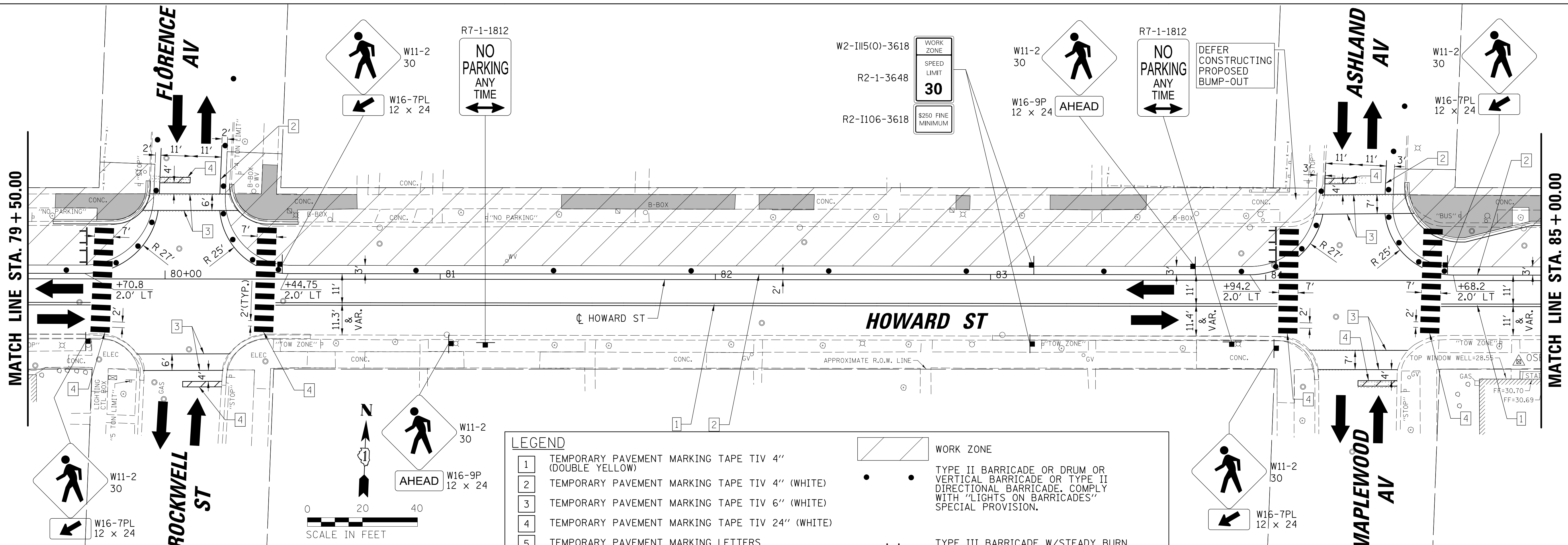
- 1 TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)
- 2 TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)
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WORK ZONE
 TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
 TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
 WORK ZONE SIGN
 TRAFFIC FLOW

FILE NAME = N:\EVANSTON\190121\Civil1\MOT_NORTH_ST2.P	USER NAME = mmichalowicz	DESIGNED - VMR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT MAINTENANCE OF TRAFFIC STAGE 2 PHASE 2	F.A.U. RTE. 1334	SECTION 17-00281-00-RS	COUNTY COOK	TOTAL SHEETS 270	SHEET NO. 76	
PLOT SCALE = 20'	PLOT DATE = 1/21/2020	DRAWN - NHL	REVISED -			SCALE: 1" = 20'	SHEET 3 OF 8 SHEETS	STA. 70+50.00 TO STA. 79+50.00	CONTRACT NO. 61G30		
CHECKED - MEK	DATE -	REVISOR -	REVISOR -			ILLINOIS FED. AID PROJECT					
DATE -		REVISOR -	REVISOR -								

MATCH LINE STA. 79 + 50.00

MATCH LINE STA. 85 + 00.00



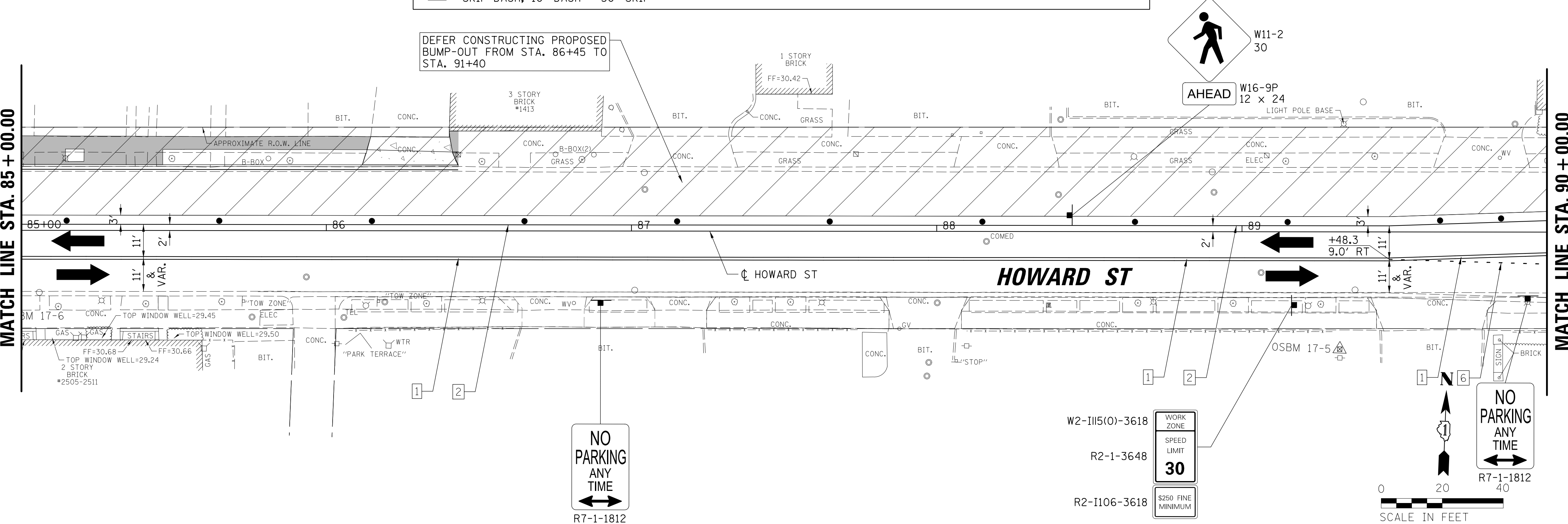
LEGEND

1	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)		WORK ZONE
2	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)		TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE. COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
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MATCH LINE STA. 85 + 00.00

MATCH LINE STA. 90 + 00.00



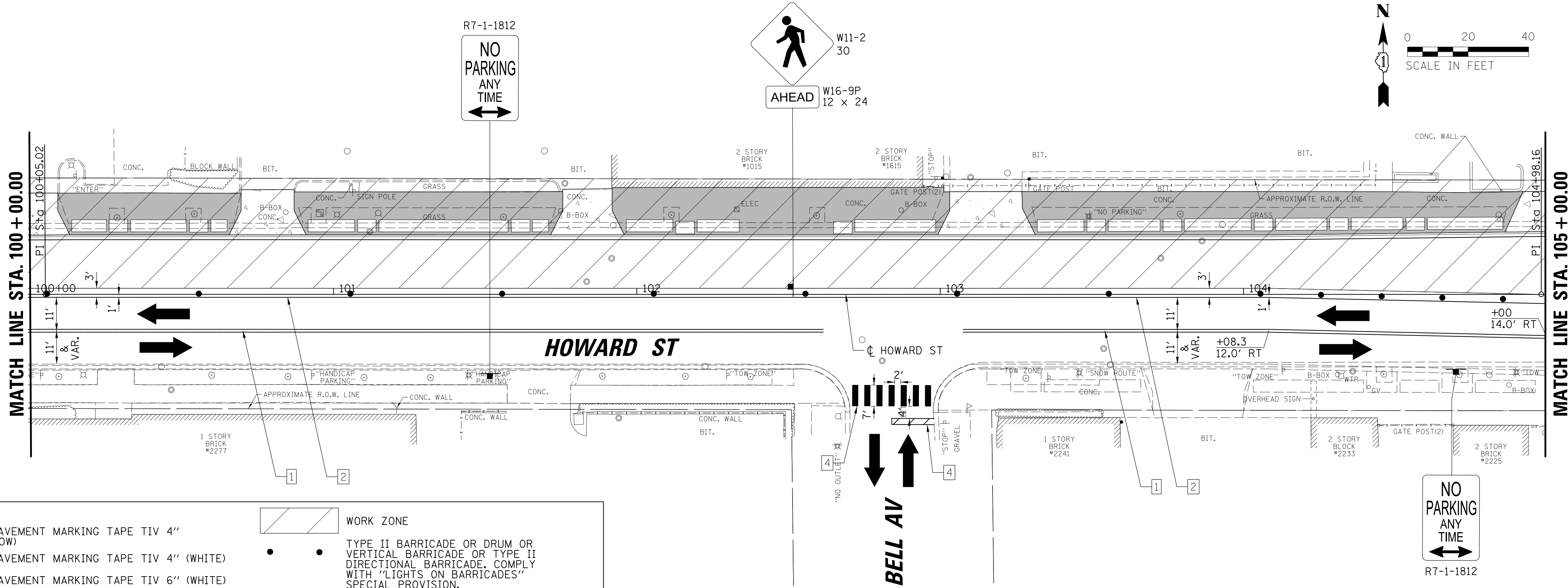
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	PLOT DATE = 1/21/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

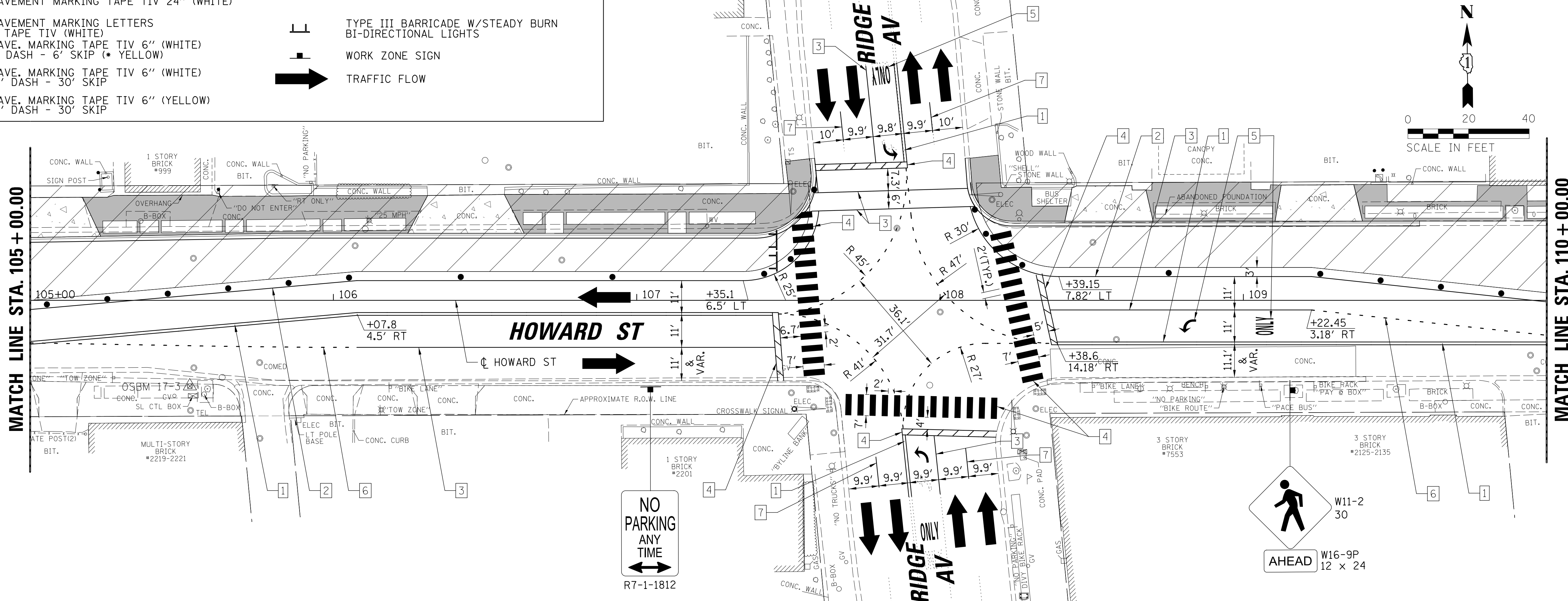
**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
MAINTENANCE OF TRAFFIC STAGE 2 PHASE 2**

SCALE: 1" = 20' SHEET 4 OF 8 SHEETS STA. 79+50.00 TO STA. 90+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	77
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



LEGEND		
1	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)	WORK ZONE
2	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)	TYPE II BARRICADE OR DRUM OR VERTICAL BARRICADE OR TYPE II DIRECTIONAL BARRICADE, COMPLY WITH "LIGHTS ON BARRICADES" SPECIAL PROVISION.
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		WORK ZONE SIGN
		TRAFFIC FLOW



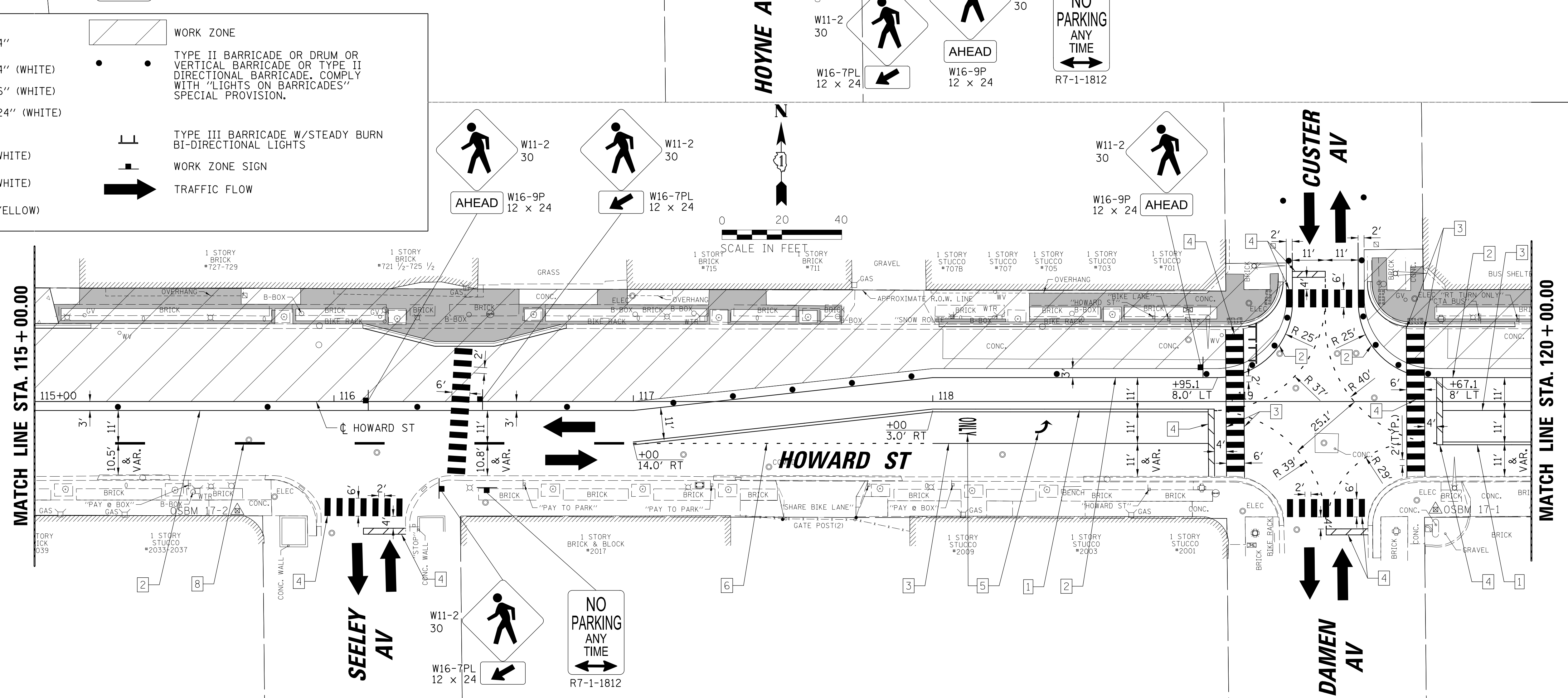
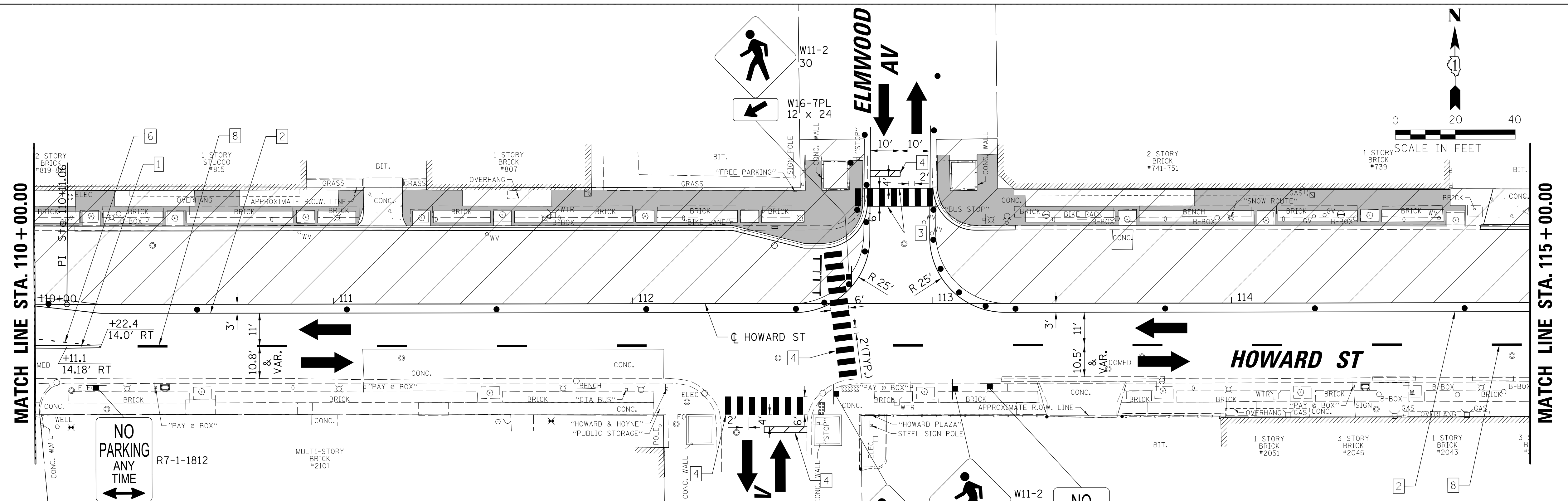
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Default	PLOT DATE = 1/21/2020	CHECKED - MEK	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

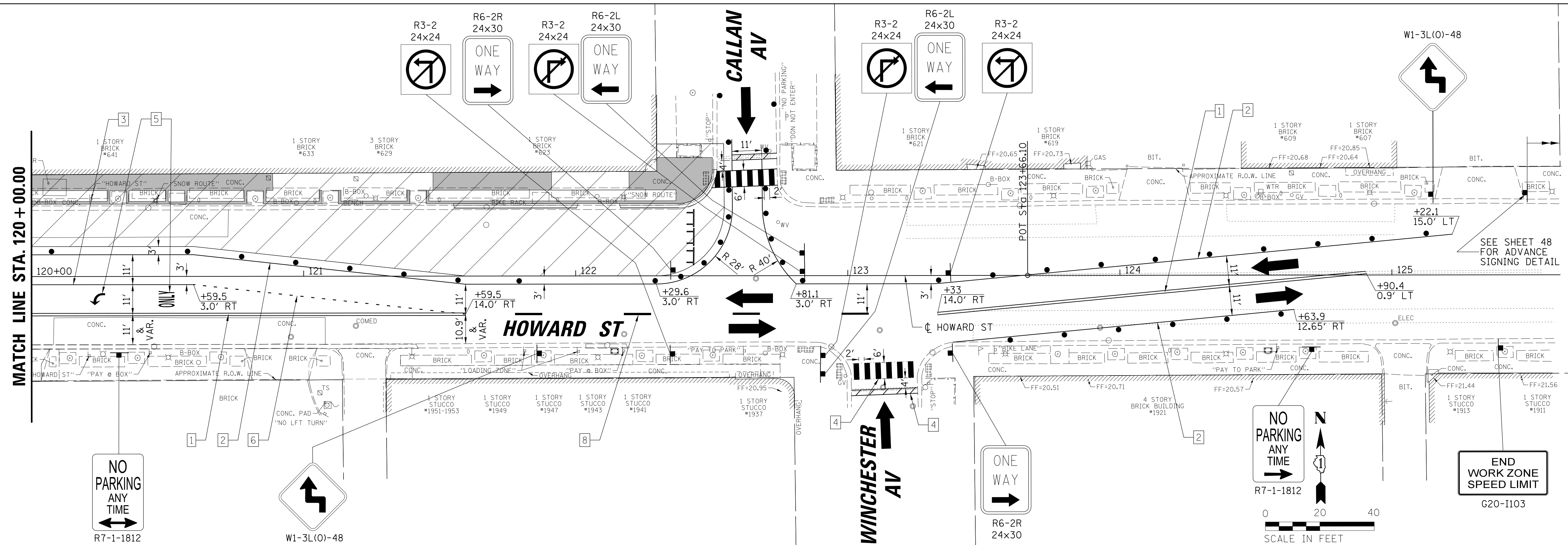
**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
MAINTENANCE OF TRAFFIC STAGE 2 PHASE 2**

SCALE: 1" = 20' SHEET 6 OF 8 SHEETS STA. 100+00.00 TO STA. 110+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	79
CONTRACT NO. 61G30				
ILLINOIS FED. AID PROJECT				



LEGEND	
1	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (DOUBLE YELLOW)
2	TEMPORARY PAVEMENT MARKING TAPE TIV 4" (WHITE)
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	WORK ZONE SIGN
	TRAFFIC FLOW



LEGEND	
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	TYPE III BARRICADE W/STEADY BURN BI-DIRECTIONAL LIGHTS
	WORK ZONE SIGN
	TRAFFIC FLOW

HOWARD STREET CIP

WATER MAIN INSTALLATION SEQUENCE

THE CONTRACTOR SHALL FOLLOW THE SEQUENCING AS DESCRIBED BELOW FOR THE WATER MAIN INSTALLATION.

HOWARD STREET FROM DODGE AVE TO SACRAMENTO AVE

THIS SEGMENT IS DESIGNED BY CITY OF EVANSTON. PLEASE SEE WATER MAIN PLANS FOR SEQUENCE.

HOWARD STREET FROM ASBURY AVE/WESTERN AVE TO RIDGE AVE/BLVD

THE PROPOSED 8" AND 6" WATER MAIN (DIP, CLASS 52 ZINC) SHALL BE INSTALLED ON HOWARD STREET FROM ASBURY AVE/WESTERN AVE TO RIDGE AVE/BLVD. THIS WATER MAIN SECTION WILL COMMENCE FROM ASBURY AVE/WESTERN AVE AND WILL BE CONSTRUCTED CONTINUOUSLY EAST TO RIDGE AVE/BLVD.

EXPLORATORY TRENCHING SHOULD BE PERFORMED ON EXISTING WATER MAIN AT PROPOSED CONNECTION LOCATIONS PRIOR TO THE START OF CONSTRUCTION.

AS INDICATED ON THE PLANS, CLOSE EXISTING WATER MAIN VALVES AT THE HOWARD ST AND ASBURY AVE/WESTERN AVE INTERSECTION AT APPROXIMATE STATIONS STA. 92+48, STA. 92+99 AND STA. 93+27 FOR ISOLATION. (PLAN ITEMS 1, 2, & 3) CONTRACTOR SHALL INSTALL THE MJ SLEEVE AT STA. 92+53 (PLAN ITEM 4). INSTALL TWO 45° BENDS (PLAN ITEMS 5 & 6) FOLLOWED WITH AN 8" VALVE IN VAULT AT STA. 92+67.5 (PLAN ITEM 7)

AT STA. 92+98 INSTALL AN 8" X 8" X 12" TEE. (PLAN ITEM 8)

INSTALL A 12" VALVE IN VAULT AT STA. 92+98 (PLAN ITEM 8A)

INSTALL TWO 45° BENDS (PLAN ITEMS 9 & 10).

AT STA. 94+00, INSTALL AN 8" X 6" TEE FOR THE FIRE HYDRANT ON THE NORTH SIDE OF HOWARD ST. (PLAN ITEM 11)

INSTALL 20 & 13 FEET OF PROPOSED WATER-QUALITY STORM SEWER AT STA. 94+38, STA. 94+38 AND STA. 95+84. (PLAN ITEMS 12 & 13)

AT STA. 96+81, INSTALL AN 8" X 6" TEE FOR THE FIRE HYDRANT ON THE NORTH SIDE OF HOWARD ST. (PLAN ITEM 14)

INSTALL 16 FEET (EACH) OF PROPOSED WATER-QUALITY STORM SEWER AT STA. 97+57 AND STA. 99+75. (PLAN ITEMS 15 & 16)

AT STA. 101+20, INSTALL AN 8" X 6" TEE FOR THE FIRE HYDRANT ON THE NORTH SIDE OF HOWARD ST. (PLAN ITEM 17)

AT STA. 102+15 INSTALL A 45° BEND FOLLOWED BY A 45° AT STA. 102+34. (PLAN ITEMS 19 & 21)

INSTALL 27 FEET OF CASING WATER MAIN PIPE AT SEWER CROSSING AT STA. 102+25. (PLAN ITEM 20)

AT STA. 104+78, INSTALL AN 8" X 6" TEE FOR THE FIRE HYDRANT ON THE NORTH SIDE OF HOWARD ST. (PLAN ITEM 22)

AT STA. 107+08, INSTALL AN 8" IN-LINE VALVE IN VAULT (PAY ITEM 23)

AT STA. 107+15 AND STA. 107+39 INSTALL A 45° BEND. (PLAN ITEM 24 AND 25)

AT STA. 107+40 INSTALL AN 8" X 6" TEE FOR THE FIRE HYDRANT ON THE NORTH SIDE OF HOWARD ST. (PLAN ITEM 26)

AT STA. 107+42 INSTALL AN 8" IN-LINE VALVE IN VAULT. (PLAN ITEM 26A)

AT THIS TIME, THE NEW WATER MAIN MAY BE FLUSHED, PRESSURE TESTED AND CHLORINATED.

AFTER ACCEPTANCE OF THE DISINFECTION TESTING, THE WATER SERVICES MAY BE TAPPED.

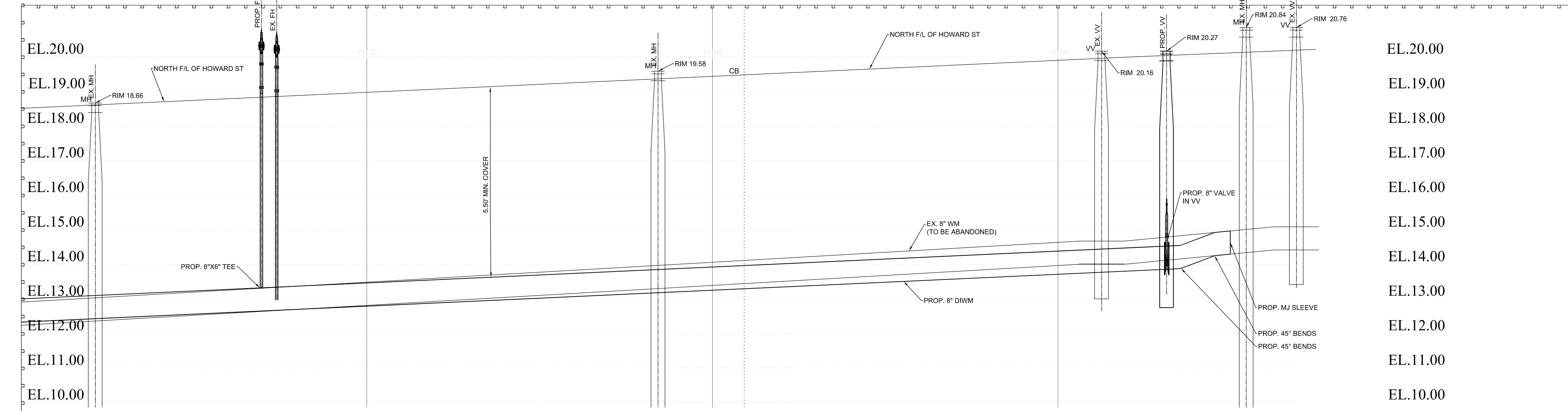
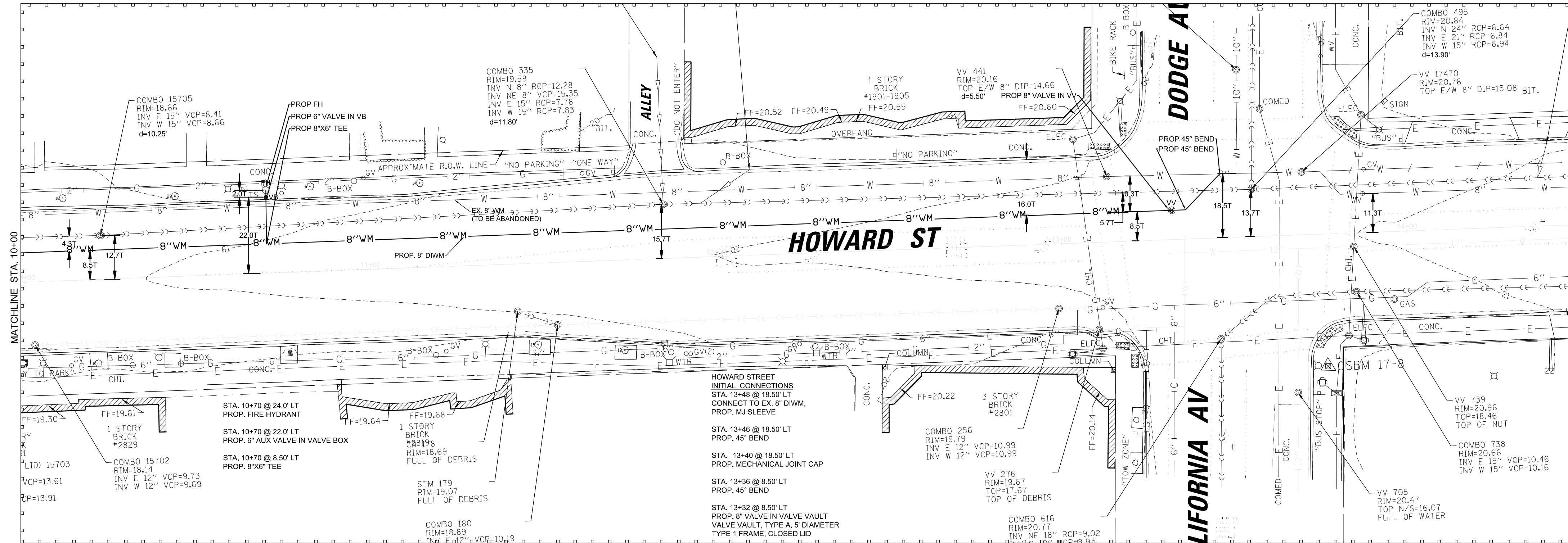
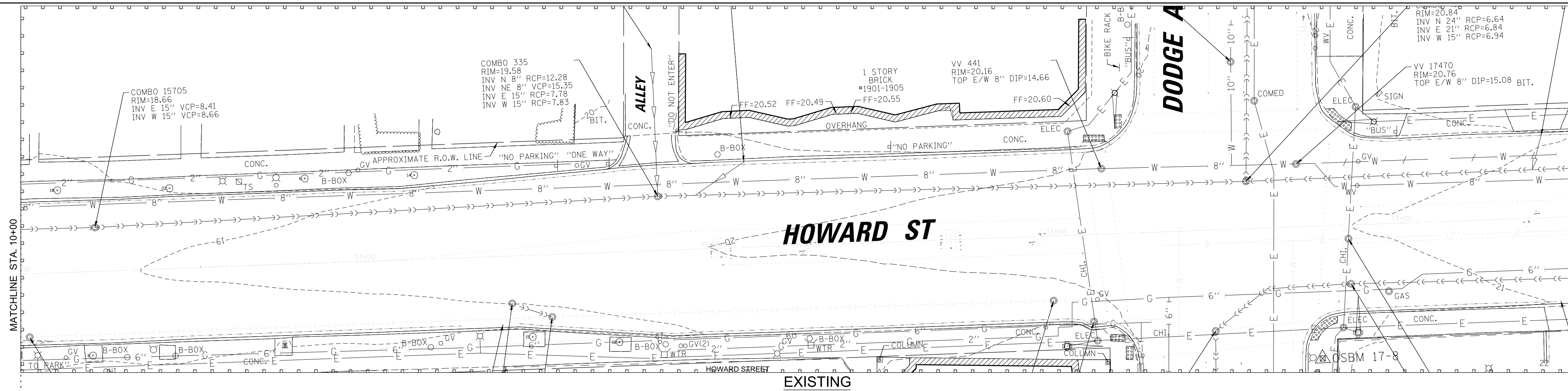
INSTALL A 45° BEND AND AN 8" X 6" REDUCER TO CONNECT TO THE EXISTING 6" WATER MAIN ON HOWARD STREET. (PLAN ITEM 26)

THE EXISTING 6" WATER MAIN CAN BE CUT AND CAPPED AT STA. 92+61.5, STA. 92+96, STA. 93+01, STA. 93+16 AND STA. 107+32 (PLAN ITEMS 27, 28, 29 & 30)

REMOVE EXISTING FIRE HYDRANT AT STA. 96+77, STA. 101+15, STA. 104+84 AND STA. 108+26 (PLAN ITEM 31, 32, 33, 34)

CERTAIN FIRY HYDRANTS MAY NEED TO BE RELOCATED YEAR 1 AND YEAR 2 CONSTRUCITON.

FILE NAME =	USER NAME = pmagnelli	DESIGNED - MLM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOWARD STREET CORRIDOR IMPROVEMENT PROJECT WATER MAIN NOTES AND DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\EVANSTON\190121\Civi1\WNT_190121_01.shd		DRAWN - MLM	REVISED -			1334	17-00281-00-RS	COOK	270	82
	PLOT SCALE = 20'	CHECKED - MEK	REVISED -			CONTRACT NO. 61G30				
Default	PLOT DATE = 12/20/2019	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.
						ILLINOIS FED. AID PROJECT				

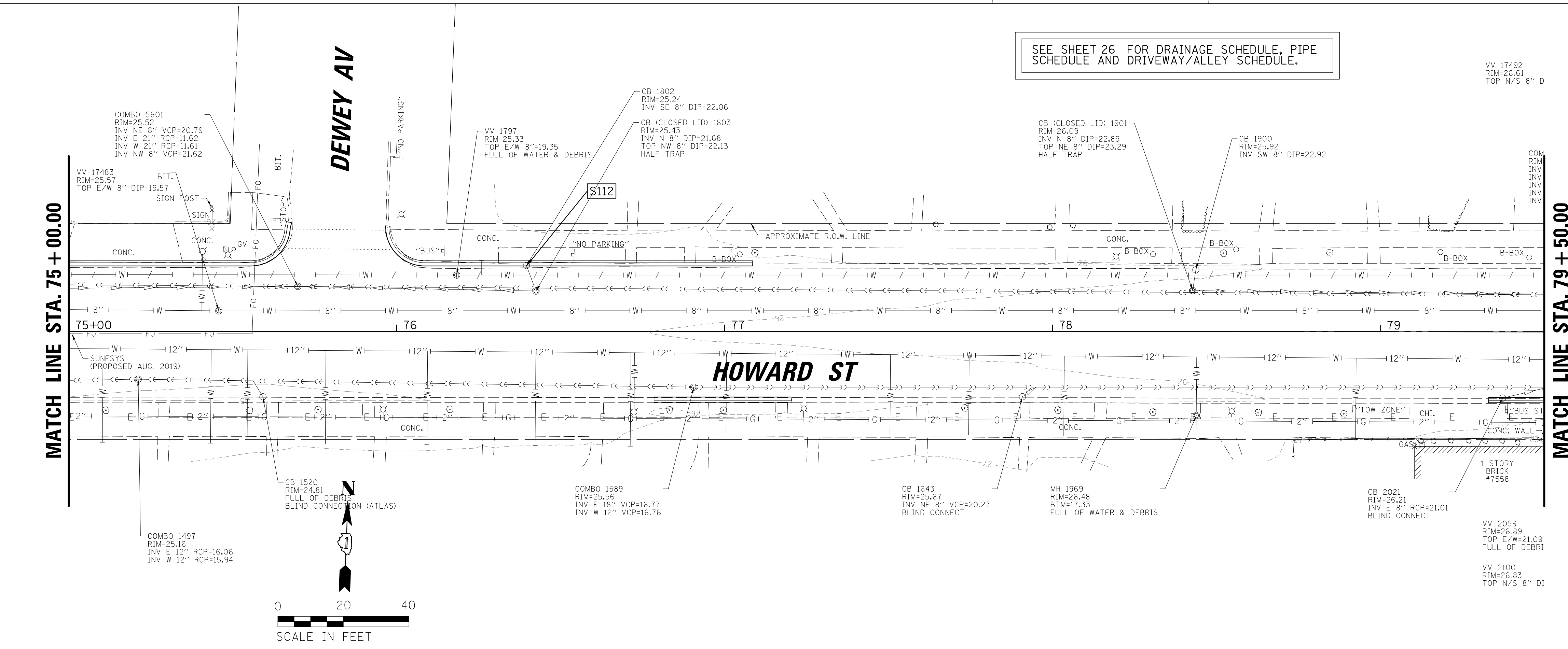
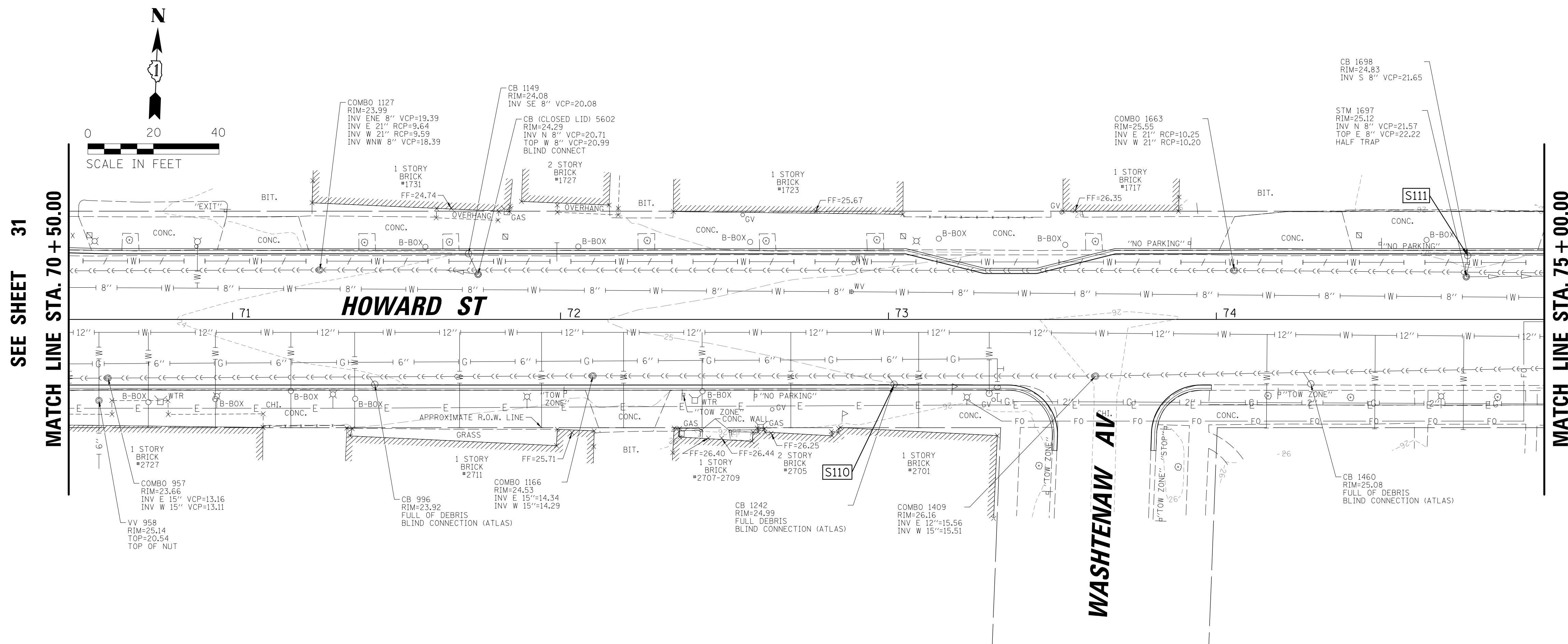


Howard Street Water Services		
Address	Size	Material/Comments
1909 Howard	1"	Lead
1911-1917 Howard	1.50"	Unknown
1919-1925 Howard	2"	Copper
2001-2015 Howard	3"	Cast Iron
101 Grey	1"	Unknown
103 Grey	1"	Unknown
105 Grey	1"	Copper
107 Grey	1"	Unknown
2101 Howard	1"	Lead
2105-2107 Howard	1"	Lead
2111 Howard	1.50"	Unknown
2113-2123 Howard	4"	Cast Iron
2125 Howard	1"	Lead
2131 Howard	1.50"	Copper
2135 Howard	1.50"	Copper
2137 Howard	1.50"	Copper
2141 Howard	1"	Lead
101-109 Hartrey	1.50"	Copper

- NOTES:
- ALL SERVICES WILL BE TRACED BY WATER DIVISION PRIOR TO CONNECTION.
 - ALL WATER SERVICES WILL BE REQUIRED TO BE AUGERED.
 - A WATERTIGHT CONNECTION CONFORMING TO ASTM C-923 SHALL BE BETWEEN ALL PROPOSED SEWERS THAT WILL CONNECT TO EXISTING OR PROPOSED STRUCTURES.
 - SEE MWD GENERAL NOTES #16 FOR PLUGGING (INCIDENTAL TO VARIOUS PAY ITEMS).
 - TEMPORARY FLUSHING FIRE HYDRANT WILL BE SUPPLIED BY THE CITY, AND INSTALLED BY THE CONTRACTOR UTILIZING MEGA LUG COMPONENTS. PRIOR TO FINAL CONNECTIONS, CONTRACTOR SHALL REMOVE THE TEMPORARY HYDRANT AND NOTIFY THE CITY FOR PICK UP. (INCIDENTAL TO WATER MAIN WORK ITEMS, NO SEPARATE PAYMENT).
 - ALL NON-PRESSURE CONNECTIONS TO EXISTING WATER MAIN WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCLUDED IN THE COST OF WATER MAIN WORK ITEMS.
 - VITON GASKETS (FKM GASKETS) WILL ONLY BE USED WHEN CONTAMINATED SOILS ARE ENCOUNTERED.
- NOTE: (UNLESS SPECIFIED IN THE PLAN)
- MAXIMUM TRENCH PAY WIDTHS:
WATER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS MORE THAN 8')
SEWER MAIN=4.0 FT. (5.0 FT. FOR TRENCH DEPTHS MORE THAN 8')
- MAXIMUM PAVEMENT REMOVAL AND REPLACEMENT PAY WIDTHS:
WATER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS MORE THAN 8')
SEWER MAIN=6.0 FT. (7.0 FT. FOR TRENCH DEPTHS MORE THAN 8')
WATER OR SEWER STRUCTURES=8.0 FT. X 8.0 FT.
WATER OR SEWER STRUCTURES REMOVAL=6.0 FT. X 6.0 FT.
VALVE BOX REMOVAL=2.0 FT. X 2.0 FT.
- FOR WIDTHS IN EXCESS OF THE ABOVE, WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCIDENTAL TO VARIOUS PAY ITEMS.

2019 HOWARD STREET WATER MAIN IMPROVEMENTS PROJECT

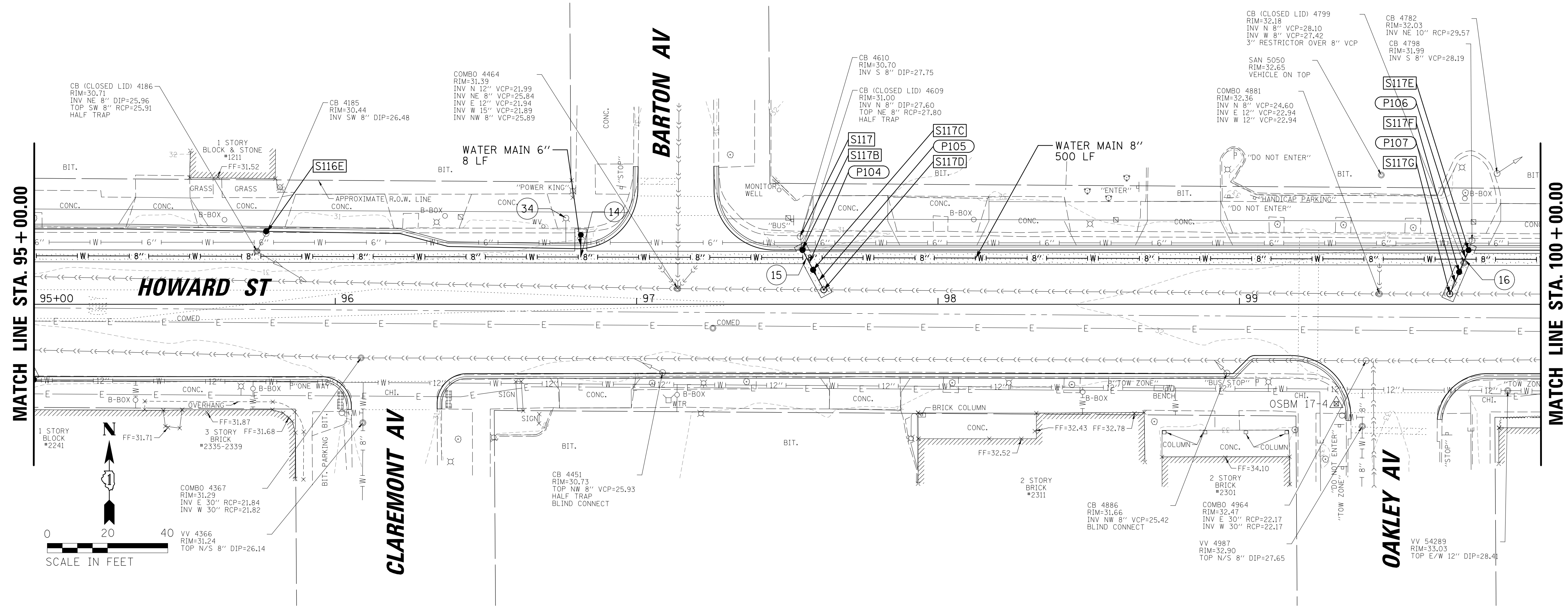
REVIEW



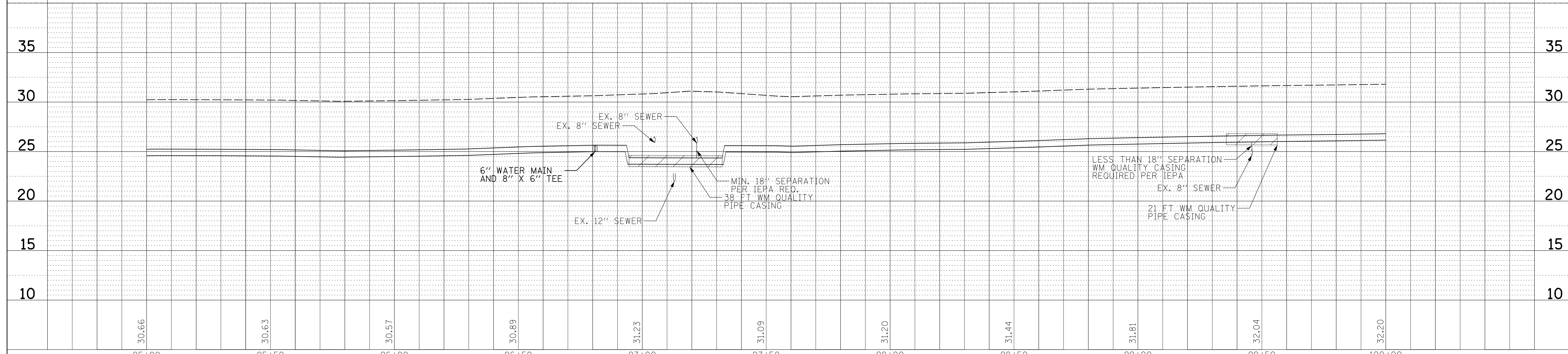
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Default	PLOT SCALE = 20'	CHECKED - MEK	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	CONTRACT NO. 61G30		
	PLOT DATE = 12/20/2019	DATE -	REVISED -							ILLINOIS FED. AID PROJECT		
										ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	NO. _____		
	PAID FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO. _____		



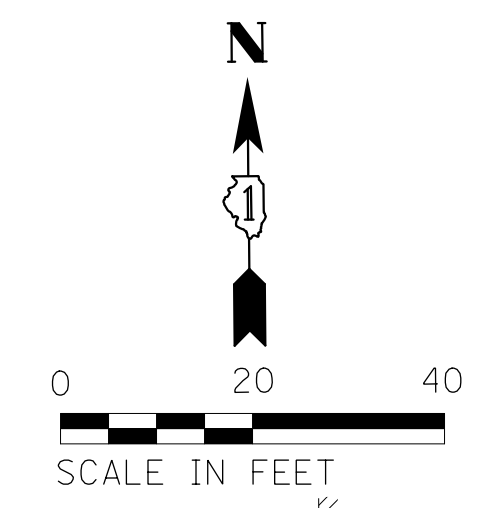
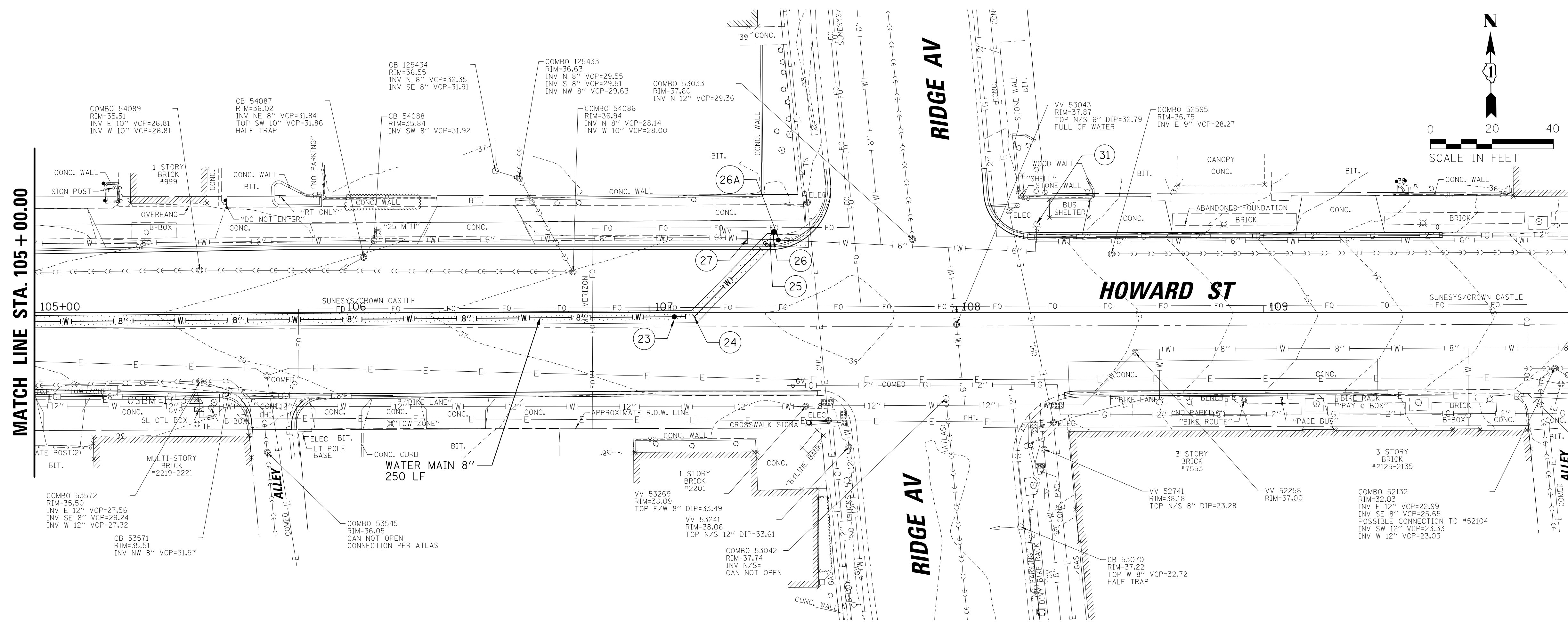
SEE SHEET 26 FOR DRAINAGE SCHEDULE, PIPE SCHEDULE AND DRIVEWAY/ALLEY SCHEDULE.



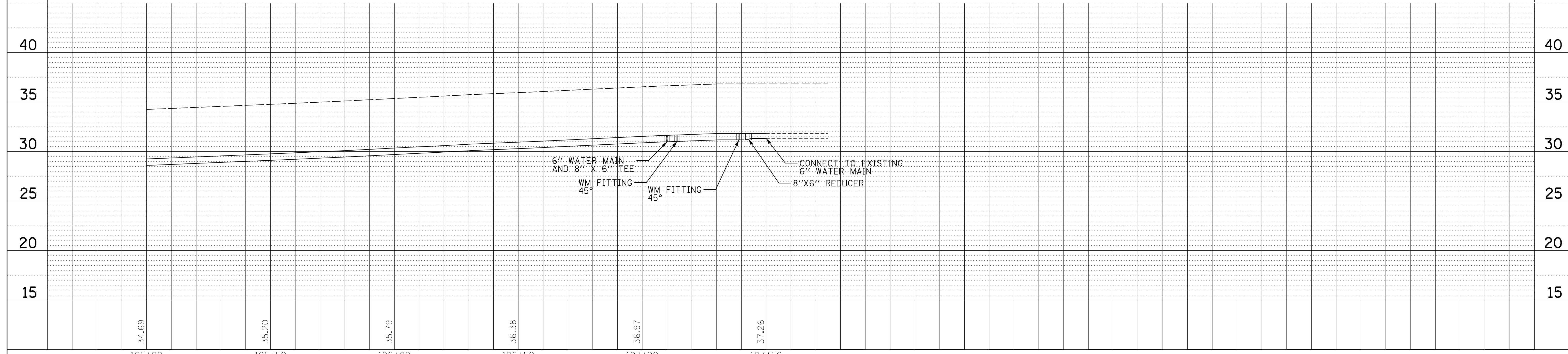
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Default										

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	PAID FILE NAME		
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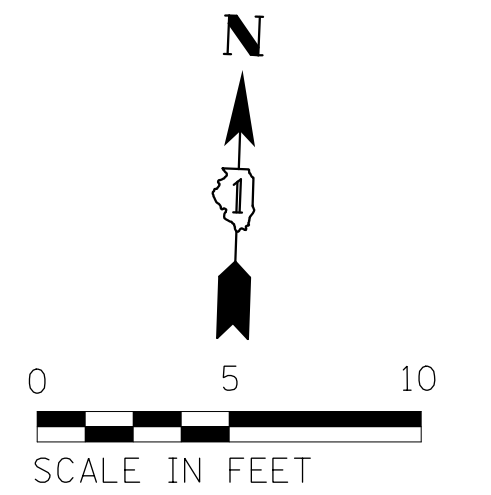
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
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	STRUCTURE NOTATIONS CHKD		
	NO.		



SEE SHEET 26 FOR DRAINAGE SCHEDULE, PIPE SCHEDULE AND DRIVEWAY/ALLEY SCHEDULE.

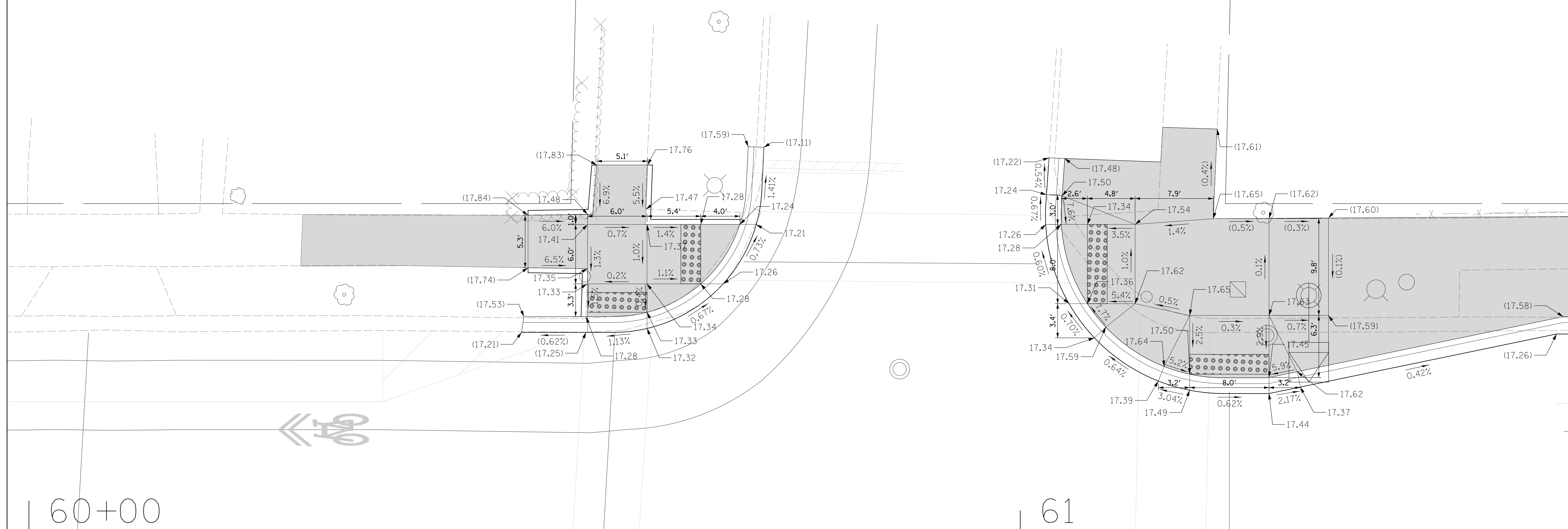


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PLOT DATE = 12/20/2019	DATE -	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
Default											



GREY AVE

LEGEND	
(XX.XX)	EXISTING ELEVATION
(X.XX%)	EXISTING SLOPE
	PCC SIDEWALK, 5"
	PROPOSED SIDE CURB
XX.XX	PROPOSED ELEVATION
X.XX%	PROPOSED SLOPE
	BRICK SIDEWALK
	PCC SIDEWALK, 8" (SPECIAL)
	DETECTABLE WARNINGS



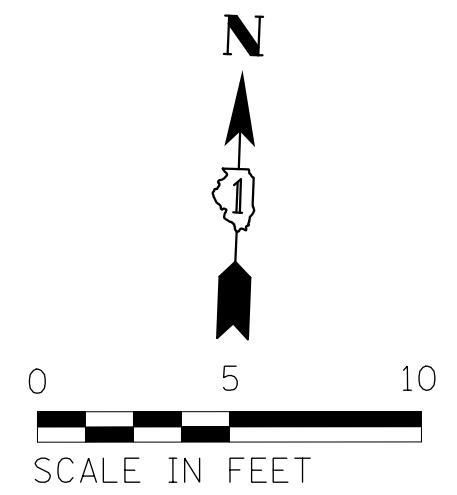
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
ADA DETAILS**

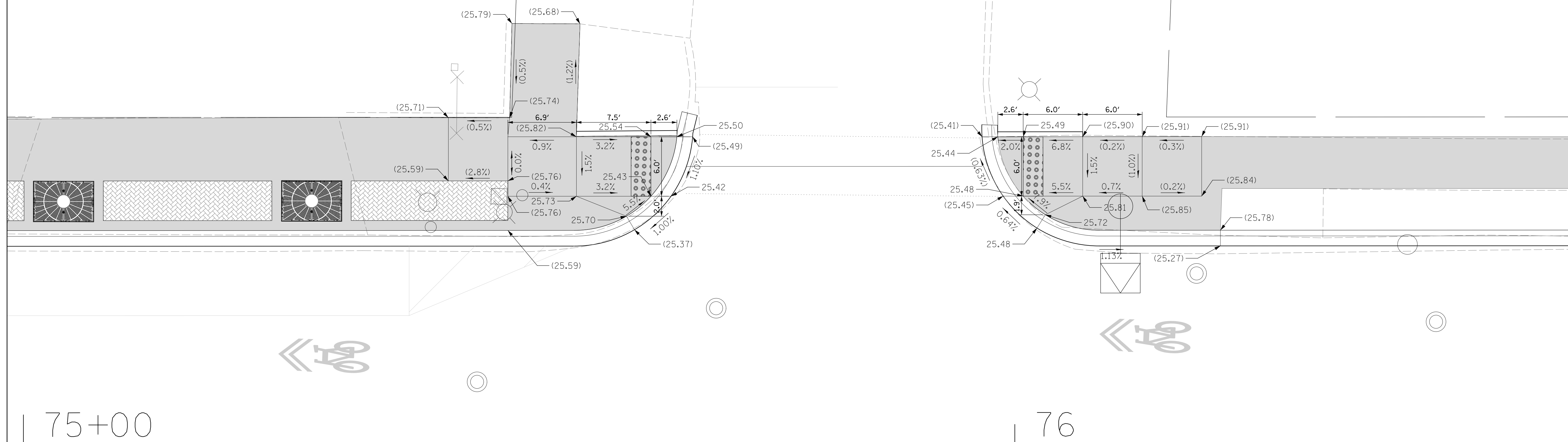
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	92
CONTRACT NO.			61630	
ILLINOIS FED. AID PROJECT				



DEWEY AVE

LEGEND	
(XX.XX)	EXISTING ELEVATION
(X.XX%)	EXISTING SLOPE
	PCC SIDEWALK, 5"
	PROPOSED SIDE CURB
XX.XX	PROPOSED ELEVATION
X.XX%	PROPOSED SLOPE
	BRICK SIDEWALK
	PCC SIDEWALK, 8" (SPECIAL)
	DETECTABLE WARNINGS



75+00

76

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		DATE -	REVISED -

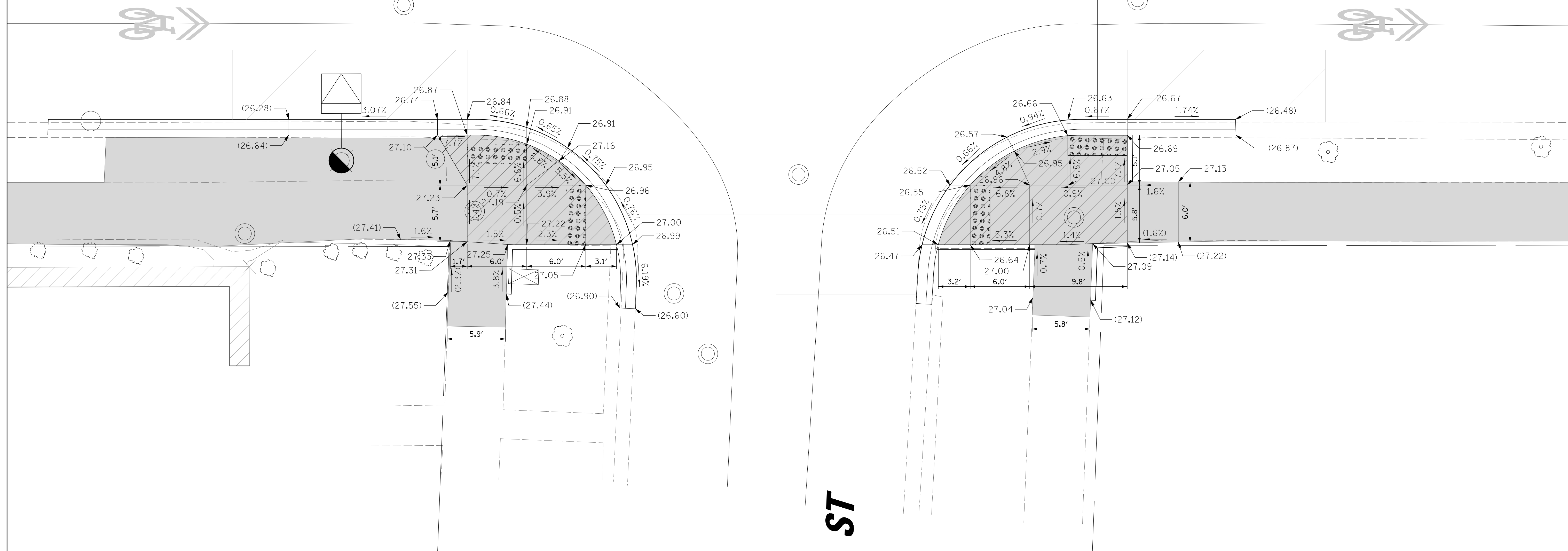
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
ADA DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

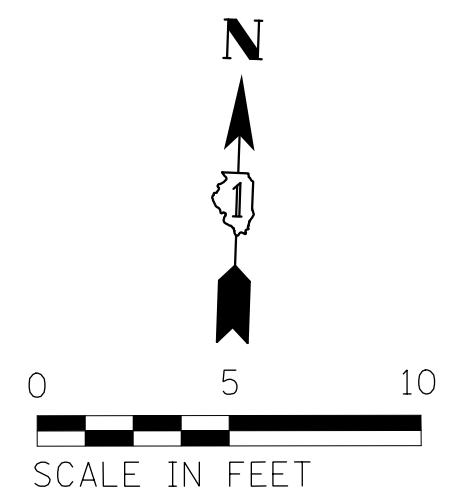
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1334	17-00281-00-RS	COOK	270	95
CONTRACT NO.			61630	
ILLINOIS FED. AID PROJECT				

80+00



LEGEND			
(XX.XX)	EXISTING ELEVATION	XX.XX	PROPOSED ELEVATION
(X.XX%)	EXISTING SLOPE	X.X%	PROPOSED SLOPE
[Solid Grey Box]	PCC SIDEWALK, 5"	[Brick Pattern Box]	BRICK SIDEWALK
[Dashed Line]	PROPOSED SIDE CURB	[Diagonal Hatched Box]	PCC SIDEWALK, 8" (SPECIAL)
		[Dotted Pattern Box]	DETECTABLE WARNINGS

ROCKWELL ST



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Default	PLOT SCALE = 5'	DRAWN - MLM	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HOWARD STREET CORRIDOR IMPROVEMENT PROJECT
ADA DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE. 1334	SECTION 17-00281-00-RS	COUNTY COOK	TOTAL SHEETS 270	SHEET NO. 97
CONTRACT NO. 61G30			ILLINOIS FED. AID PROJECT	

