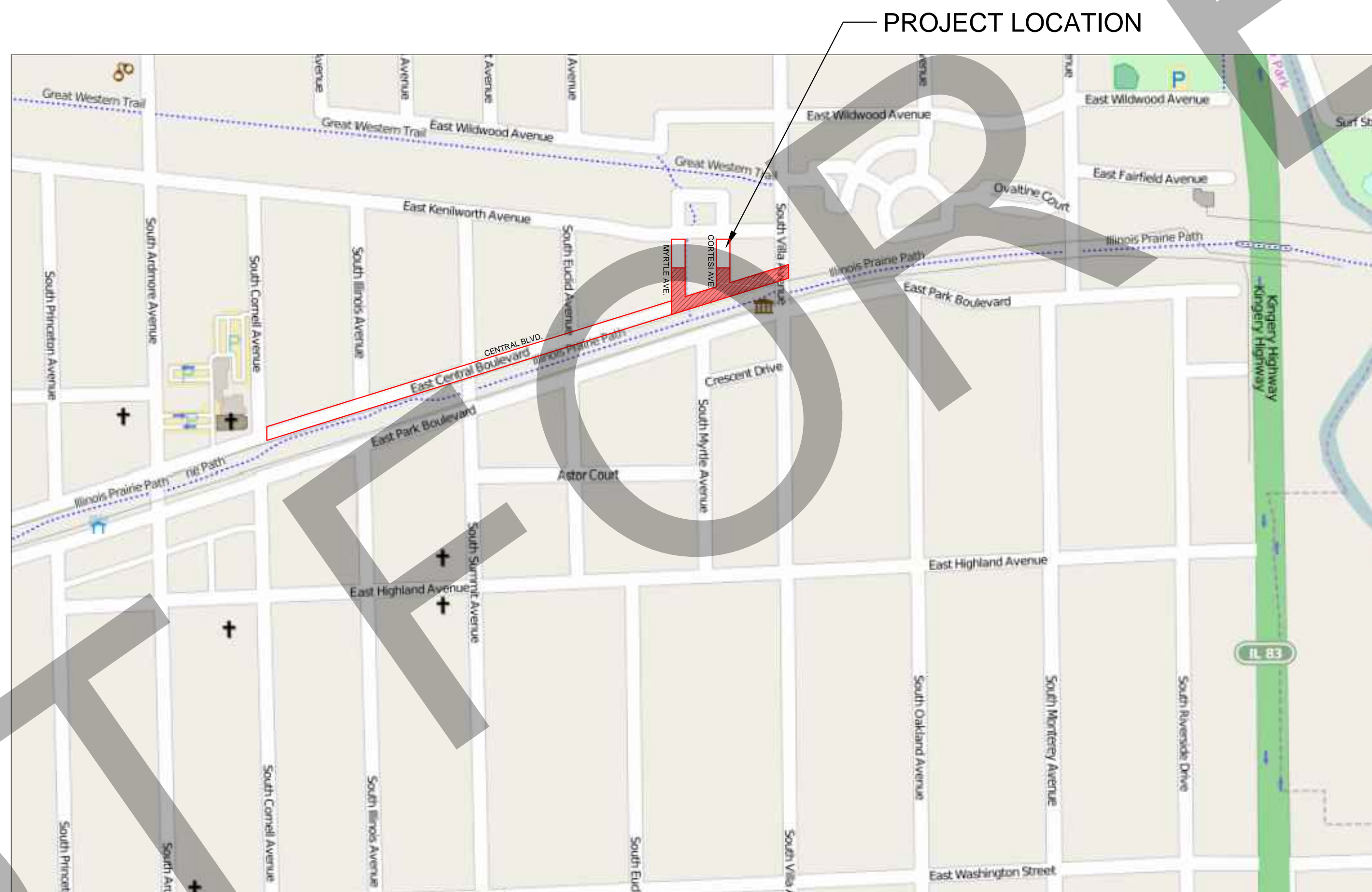


VILLAGE OF VILLA PARK CENTRAL BOULEVARD IMPROVEMENTS

LOCATION MAP
(NOT TO SCALE)



LEGEND	
	EXISTING POWER POLE
	EXISTING GAS VALVE
	EXISTING STREET LIGHT
	EXISTING WATER MAIN BUFFALO BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING WATER MAIN VALVE BOX
	EXISTING FIRE HYDRANT
	EXISTING SIGN
	EXISTING BUSH
	EXISTING TREE
	EXISTING STORM MANHOLE
	EXISTING SANITARY MANHOLE
	EXISTING COMBINED MANHOLE
	EXISTING CATCH BASIN
	EXISTING INLET
	EXISTING BITUMINOUS CONCRETE AREA
	EXISTING CONCRETE AREA
	EXISTING GRASS AREA
	EXISTING STONE OR GRAVEL AREA
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING COMBINATION SEWER
	EXISTING GAS LINE
	EXISTING WATER MAIN
	EXISTING ELECTRIC
	EXISTING TELECOMMUNICATIONS LINE
	EXISTING OVERHEAD WIRES
	EXISTING CURB AND GUTTER
	EXISTING RIGHT OF WAY
	EXISTING FENCE
	EXISTING STRUCTURE TO BE REMOVED
	EXISTING SEWER TO BE ABANDONED
	EXISTING CURB AND GUTTER TO BE REMOVED
	EXISTING BITUMINOUS DRIVEWAY OR PAVEMENT TO BE REMOVED
	EXISTING CONCRETE SIDEWALK OR DRIVEWAY TO BE REMOVED
	PROPOSED STORM SEWER
	PROPOSED SANITARY SEWER
	PROPOSED SUMMIT
	PROPOSED PORTLAND CEMENT CONCRETE DRIVEWAY OR SIDEWALK
	HOT-MIX ASPHALT DRIVEWAY OR PAVEMENT
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER
	PROPOSED CATCH BASIN
	PROPOSED INLET
	PROPOSED STORM MANHOLE
	PROPOSED SANITARY MANHOLE
	STRUCTURE TO BE RECONSTRUCTED
	PROPOSED CLOSED FRAME AND LID
	PROPOSED OPEN FRAME + LID
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	CATCH BASIN
	BREAK IN GRADE
	EDGE OF PAVEMENT
	NOT TO SCALE

INDEX OF SHEETS

- 1 COVER
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 ALIGNMENT
- 5-9 DRAINAGE AND UTILITY
- 10-18 PLAN AND PROFILE
- 19-21 DETAILS



SIGNED:
DATE: 2-23-17 LICENSE EXPIRES: 11-30-17



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES.

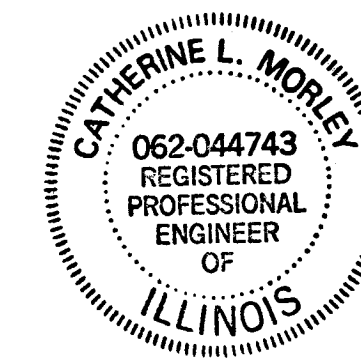
FOR UNDERGROUND UTILITY LOCATIONS CALL
J.U.L.I.E. 1-800-892-0123



MARCH 3, 2017

2880 LF ROADWAY IMPROVEMENTS
1220 LF STORM SEWER IMPROVEMENTS

- ROADWAY RECONSTRUCTION
- COMBINED SEWER SEPARATION & ROADWAY RECONSTRUCTION



REGISTERED P.E.. STATE OF ILLINOIS
Catherine L. Morley
11/30/2017
EXPIRES



LICENSE #184-000813
EXPIRES 4/30/2017
200 W. FRONT STREET
WHEATON, IL 60187

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, APRIL 1, 2016.THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD) THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS," (SSTCI), THE DETAILS IN THESE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, LATEST EDITION, SHALL APPLY. SOIL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE "PROCEDURES FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS AND AS DIRECTED BY THE VILLAGE/ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- IF, IN THE ENGINEER'S OPINION, WORK SHOWN ON THE PLANS IS NOT REQUIRED, THE QUANTITIES AND PAYMENT TO CONTRACTOR FOR THOSE PAY ITEMS WILL BE DEDUCTED FROM THE CONTRACT.
- CONTRACTOR SHALL HAVE ONE SET OF APPROVED PLANS AND SPECIFICATIONS ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES AND STORAGE OF EQUIPMENT OR MATERIALS TO THE AREAS SHOWN ON PLAN. ANY DAMAGE TO PROPERTY OR FENCES SHALL BE REPLACED IN KIND OR REPAIRED AT THE CONTRACTOR'S EXPENSE. NO STOCK PILES WILL BE ALLOWED OVERNIGHT OR OVER WEEKENDS.
- THE CONTRACTOR, AT HIS EXPENSE, SHALL BE REQUIRED TEMPORARILY TO REMOVE AND RELOCATE STREET SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND TO RE-ERECT THEM AT THE PROPER LOCATIONS AFTER CONSTRUCTION OPERATIONS ARE COMPLETED. ANY SUCH SIGNS DAMAGED OR LOST BY THE CONTRACTOR WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- WHERE SECTION OR SUB-SECTION MONUMENTS OR BENCH MARKS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY IRON PIPES AND MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- REMOVE DIRT AND DEBRIS FROM THE STREET AT THE END OF THE DAY OR AS DIRECTED BY THE ENGINEER, MECHANICAL STREET SWEEPING OF ALL AREAS DISTURBED SINCE THE LAST STREET SWEEPING MUST BE COMPLETED ONCE PER WEEK OR AS DIRECTED BY THE ENGINEER.
- DISTURBANCE TO ALL LAWN AREAS SHALL BE MINIMIZED. TRENCHES SHALL BE BACKFILLED TO MATCH EXISTING GRADE.
- ALL LANDSCAPED AREAS DISTURBED BY CONSTRUCTION AS SHOWN ON THE PLANS SHALL RECEIVE A MINIMUM OF 4" TOPSOIL, AND SOD.
- EXCAVATION: NO MORE THAN 25' OF ROADWAY EXCAVATION SHALL BE LEFT OPEN WITHOUT INSTALLATION OF GEOFABRIC AND AT LEAST SIX-INCHES (6") OF COMPACTED AGGREGATE BASE COURSE.

UTILITIES NOTES

- THE CONTRACTOR SHALL ARRANGE WITH THE VARIOUS UTILITY COMPANIES FOR THE LOCATION AND ANY NECESSARY ADJUSTING OF THE OVERHEAD OR UNDERGROUND UTILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO START OF CONSTRUCTION.
- THE LOCATION, SIZE AND DEPTH OF THE WATER MAINS, STORM SEWERS AND/OR VARIOUS UTILITIES, AS SHOWN ON THE PLANS, ARE FROM THE LATEST AND BEST AVAILABLE INFORMATION TO THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE UTILITIES LOCATED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES IN ORDER TO MAINTAIN SERVICES DURING CONSTRUCTION AT NO ADDITIONAL EXPENSE TO THE CONTRACT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED UTILITIES (48-HOURS NOTIFICATION IS REQUIRED).

SEWER NOTES

- COARSE AGGREGATE TRENCH BACKFILL WILL BE REQUIRED FOR THE FULL TRENCH DEPTH WITHIN TWO(2) FEET OF PROPOSED OR EXISTING PAVEMENTS, UTILITIES, DRIVEWAYS, AND SIDEWALKS. THE TRENCH BACKFILL SHALL CONSIST OF GRANULAR MATERIAL MEETING IDOT CA-6 GRADATION FOR STORM SEWER PIPES. THE TRENCH BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. RECYCLED MATERIAL WILL NOT BE ALLOWED.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE.
- THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES FLOWS THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS.
- THE EXISTING STRUCTURES SHALL BE INSPECTED BEFORE CONSTRUCTION STARTS. DEBRIS DEPOSITED IN THE FLOW LINE OF ANY STRUCTURE OR GUTTER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CLOSE OF CONSTRUCTION OPERATIONS ALL STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. ANY ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR STRUCTURES. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING CONSTRUCTION. COMPLIANCE WITH THE ABOVE WILL BE INCLUDED IN THE COST OF CONSTRUCTION.
- CASTINGS TO BE USED ON STRUCTURES ARE:
 - SANITARY MANHOLE, STORM MANHOLE, WATER VAULT: TYPE 1 FRAME, CLOSED LID COVER: NEENAH R-1713 SELF SEALING. COVER SHALL BE MARKED: "SANITARY", "STORM", "WATER" AND "VILLAGE OF VILLA PARK".
 - CATCH BASIN: TYPE 11 FRAME AND GRATE: NEENAH R-3281-A.
- UNLESS OTHERWISE SPECIFIED, ABANDONED SEWERS AND DRAINS, AS DESIGNATED BY THE ENGINEER, SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FOOT LONG BRICK AND NON-SHRINK/MORTAR PLUG. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN COST OF THE CONTRACT.
- ALL STRUCTURES, FRAME, LID, GRATE, AND PIPES SHALL BE THOROUGHLY CLEANED OF DIRT AND DEBRIS, AND ALL VISIBLE LEAKAGE ELIMINATED, BEFORE FINAL INSPECTION AND ACCEPTANCE.

EROSION CONTROL

- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
- ALL STREETS ADJACENT TO THE WORK SITE SHALL BE KEPT FREE OF DIRT, MUD AND DEBRIS.
- NO SEDIMENT WILL BE ALLOWED TO ENTER ADJACENT DITCHES OR STORM SEWERS. INLET FILTERS SHALL BE INSTALLED AND PROPERLY MAINTAINED DURING THE PROJECT.
- UNLESS SOIL EROSION ITEMS ARE SPECIFICALLY REFERRED TO IN THE SPECIFICATIONS AS BID ITEMS (SUCH AS SILT FENCE, SOD, ETC.) THEY SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
- ANY SOIL EROSION CONTROL MEASURES THAT ARE DEEMED NECESSARY BY THE VILLAGE ENGINEER SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.

TRAFFIC CONTROL AND STAGING

- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH IDOT SPECIFICATIONS, THE SPECIAL PROVISIONS, AND AS DIRECTED BY THE ENGINEER.
- CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT WHEN WORK COMMENCES, THE CONTRACTOR SHALL ASSUME THE MAINTENANCE OF ANY PAVEMENT, SHOULDERS, DRAINAGE FACILITIES, TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS, AND OTHER APPURTENANCES ON ROADWAYS WITHIN THE LIMITS OF THE CONTRACT WHICH ARE TO BE USED BY THE PUBLIC DURING CONSTRUCTION AND TO RETAIN THIS MAINTENANCE RESPONSIBILITY UNTIL PROJECT COMPLETION.
- CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE OPERATIONAL AND EFFECTIVE 24 HOURS A DAY, INCLUDING SUNDAYS AND HOLIDAYS.
- ALL TRAFFIC CONTROL AND PROTECTION DEVICES SHALL BE CLEANED AND MAINTAINED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION PAY ITEM.
- THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN INGRESS AND EGRESS FOR EMERGENCY VEHICLES AND RESIDENTS AT ALL TIMES DURING THE CONSTRUCTION PERIOD DURING CONSTRUCTION, GARBAGE TRUCKS MUST BE PERMITTED ACCESS TO THE WORK ZONE IN ORDER TO PICK UP RESIDENTIAL AND COMMERCIAL GARBAGE FOR THOSE PROPERTIES FRONTING THE WORK ZONE. IF GARBAGE TRUCK ACCESS IS NOT PROVIDED, THE CONTRACTOR WILL BE REQUIRED TO MOVE TRASH CONTAINERS TO AN ACCESSIBLE LOCATION WHICH WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
- DURING CONSTRUCTION STAGING OPERATIONS, AFFECTED RESIDENTS SHALL BE GIVEN 48 HOURS NOTICE OF INTENDED WORK VIA A LETTER DISTRIBUTED TO THE RESIDENTS AND BUSINESSES BY THE CONTRACTOR. THE WRITTEN NOTICE SHALL BE APPROVED BY THE ENGINEER AND COORDINATED WITH THE VILLAGE PRIOR TO THE BEGINNING OF CONSTRUCTION.
- EXCAVATIONS OUTSIDE OF PAVEMENTS REMAINING OPEN OVERNIGHT SHALL BE PROTECTED EACH NIGHT; THIS MAY BE ACHIEVED BY BACKFILLING TO GRADE OR LIGHTED BARRICADES AND FENCING ON ALL SIDES.

PAVING NOTES

- ALL PAVING MATERIALS INCORPORATED INTO THE PROJECT SHALL BE FROM ILLINOIS DEPARTMENT OF TRANSPORTATION APPROVED STOCKPILES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AND CONCRETE PAVEMENT AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER, TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR SO AS NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. ANY DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE PRICE OF SAW CUTTING, AS NOTED ABOVE, SHALL BE INCLUDED IN THE PARTICULAR PAY ITEMS.
- A 2"x6" BOARD WILL BE USED AS A FORM FOR ALL SIDEWALKS TO BE INSTALLED FIVE INCHES (5") IN THICKNESS. A 2"x8" BOARD WILL BE USED AS A FORM FOR ALL DRIVEWAYS TO BE INSTALLED SIX INCHES (6") IN THICKNESS. A 2"x10" BOARD WILL BE USED AS THE FORM FOR ALL PAVEMENTS TO BE INSTALLED EIGHT INCHES (8") IN THICKNESS. A 2"x12" BOARD WILL BE USED AS THE FORM FOR THE FACE OF THE GUTTER FLAGS TO BE INSTALLED TEN INCHES (10") IN THICKNESS. ALL FORMS MUST BE OF A MINIMUM HEIGHT OF THE PROPOSED THICKNESS OF THE RESPECTIVE CONCRETE ITEMS TO BE INSTALLED.
- NO CONCRETE SHALL BE PLACED UNTIL ALL THE FORMS HAVE BEEN INSPECTED FOR LINE, GRADE AND SUBGRADE CONDITIONS BY THE RESIDENT ENGINEER. INSPECTIONS SHALL BE ARRANGED AT LEAST TWENTY- FOUR HOURS IN ADVANCE OF ANY CONCRETE PLACEMENT.
- PROTECTIVE COAT SHALL BE APPLIED TO ALL NEW GUTTER FLAGS, FACES AND TOPS OF CURBS; NEW P.C.C. SIDEWALKS, CONCRETE EDGING AND P.C.C. DRIVEWAY PAVEMENT, IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND AS DIRECTED BY THE ENGINEER.
- THE HOT-MIX BINDER COURSE WILL BE PLACED IN TWO (2) PASSES WITH A COLD JOINT LOCATED A MINIMUM OF SIX INCHES (6") FROM THE CROWN LINE OF THE PAVEMENT. THE HOT-MIX ASPHALT SURFACE COURSE WILL BE PLACED IN TWO (2) PASSES WITH A COLD JOINT LOCATED AT THE CROWN LINE OF THE PAVEMENT. THE CONTRACTOR WILL BE REQUIRED TO SCHEDULE HIS OPERATIONS SO THAT NO SECTIONS OF PAVEMENT ALONG THE CROWN LINE WILL HAVE A COLD JOINT OVERNIGHT.
- QC/QA OF PCC AND HMA MIXTURES WILL BE REQUIRED ON THIS CONTRACT. THE CONTRACTOR WILL BE RESPONSIBLE FOR SCHEDULING AND ALL COSTS ASSOCIATED WITH ALL QC TESTING.
- PAVING: THE HOT-MIX ASPHALT BINDER COURSE SHALL BE INSTALLED WITHIN THIRTY (30) CALENDAR DAYS OF COMMENCEMENT OF PAVEMENT REMOVAL.
- THE TOP OF CURBS SHALL BE DEPRESSED WHERE THE CURB AND GUTTER IS CONSTRUCTED AT HANDICAP ACCESSIBLE SIDEWALK RAMPS AT ALLEY RETURNS AND STREET INTERSECTIONS, AND FOR PRIVATE AND COMMERCIAL DRIVES AND AS DIRECTED BY THE ENGINEER.
- DETECTABLE WARNINGS SHALL BE INSTALLED AT HANDICAP ACCESSIBLE SIDEWALK RAMPS, AT ALLEY RETURNS, AND STREET INTERSECTIONS. THESE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE IDOT STANDARDS.
- THE HEIGHT OF THE DEPRESSED CURB SHALL BE 1-1/2" AT DRIVEWAYS. SEE IDOT STANDARD 424001-05 FOR HEIGHT AT SIDEWALK RAMP.
- THREE QUARTER INCH (3/4") BITUMINOUS PREMOLDED INORGANIC FIBER EXPANSION JOINTS SHALL BE INSTALLED WHERE NEW SIDEWALK OR CURB AND GUTTER OR DRIVEWAY PAVEMENT ABUTS AN EXISTING CONCRETE WALK, DRIVE, OR CURB WHICH IS TO REMAIN IN PLACE, AND AT NOT LESS THAN SIXTY FOOT (60') INTERVALS AT LOCATIONS WHERE CURB REPLACEMENT IS IN EXCESS OF SIXTY FEET (60'); AT RADIUS POINTS, AT BOTH SIDES OF FRAMES AND GRATES WHICH FALL IN THE CURB; AND AS DIRECTED BY THE ENGINEER.
- THE COSTS FOR REMOVAL OF ANY ASPHALT OVERLAY THAT EXTENDS INTO THE GUTTER PORTION OF THE CURB AND GUTTER WILL BE INCLUDED IN THE PRICE FOR COMBINATION CURB AND GUTTER REMOVAL.

Q:\VillagePark_IL\11283000 Astor-Myrtle Sewer Separation Preliminary Design\4 CAD\Sheets\North\2_General Notes.dwg

DESIGNED: Y GALLIN				CENTRAL BOULEVARD IMPROVEMENTS	GENERAL NOTES	SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN: R JOHNSON						HORIZONTAL: -	DUPAGE	21	2
CHECKED: C MORLEY						VERTICAL: -	STA. -	TO STA. -	
DATE: MARCH 3, 2017						PROJECT NO. 11-2830-00			

Summary of Quantities

S.P.	ITEM NO.	ITEM	UNIT	QUANTITY
#	1	EARTH EXCAVATION	CU YD	1,000
#	2	PAVEMENT REMOVAL	SQ YD	5,950
#	3	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	321
#	4	POROUS GRANULAR EMBANKMENT	CU YD	321
#	5	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,500
#	6	SIDEWALK REMOVAL	SQ FT	5,000
#	7	DRIVEWAY PAVEMENT REMOVAL	SQ YD	975
#	8	HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	1,175
#	9	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	400
#	10	REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES	CU YD	321
#	11	FRAMES & GRATES TO BE ADJUSTED	EACH	5
#	12	STRUCTURES TO BE RECONSTRUCTED	EACH	9
#	13	FRAMES & LIDS	EACH	4
#	14	REMOVING STRUCTURES	EACH	4
#	15	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	EACH	12
#	16	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2
#	17	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1
#	18	STORM SEWERS, PVC, SDR 26, ASTM 2241, 6"	FOOT	80
#	19	STORM SEWERS, PVC, SDR 26, ASTM 2241, 12"	FOOT	315
#	20	STORM SEWERS, PVC, SDR 26, ASTM 2241, 18"	FOOT	20
#	21	COMB CONCRETE CURB AND GUTTER TY B-6.12	FOOT	5,500
#	22	CONCRETE BARRIER CURB, TYPE B	FOOT	100
#	23	PCC SIDEWALK, 5"	SQ FT	5,000
#	24	DETECTABLE WARNINGS	SQ FT	275
#	25	PCC DRIVEWAY PAVEMENT, 6"	SQ YD	150
#	26	PCC DRIVEWAY PAVEMENT, 8"	SQ YD	230
#	27	PROTECTIVE COAT	SQ YD	2,000
#	28	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	7,150
#	29	AGGREGATE BASE COURSE, TYPE B, 6"	SQ YD	6,585
#	30	AGGREGATE FOR TEMPORARY ACCESS	EACH	10
#	31	BITUMINOUS MATERIALS (TACK COAT)	POUND	16,850
#	32	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	655

#	33	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"	SQ YD	25
#	34	CLASS D PATCHES, TYPE I-IV, 6"	SQ YD	175
#	35	LEVELING BINDER (MACHINE METHOD), N50	TON	75
#	36	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,450
#	37	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50	TON	950
#	38	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3,250
#	39	SODDING	SQ YD	3,250
#	40	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	50
#	41	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	155
#	42	INLET FILTERS	EACH	22
#	43	TRENCH BACKFILL	CU YD	800
#	44	STORM SEWERS, RCP, CL IV, ASTM C76, 12"	FOOT	329
#	45	STORM SEWERS, RCP, CL IV, ASTM C76, 24"	FOOT	467
#	46	24" MANHOLE CONNECTION (CORE INTO EXISTING)	EACH	1
#	47	STORM MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5
#	48	DOGHOUSE STORM MANHOLES, TYPE A, 7' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
#	49	SANITARY MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
#	50	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	30
#	51	ADJUSTING WATERMAIN, 6"	FOOT	60
#	52	ADJUSTING WATER SERVICES LINES	FOOT	40
#	53	WATER SERVICE REPLACEMENT	EACH	3
#	54	VALVE VAULTS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5
#	55	WATER VALVES, 6"	EACH	5
#	56	CONNECTION TO EXISTING WATER MAIN, 6"	EACH	1
#	57	FIRE HYDRANTS TO BE REMOVED	EACH	2
#	58	FIRE HYDRANTS WITH AUXILIARY VALVE AND VALVE BOX	EACH	2
#	59	WATER USAGE DEDUCTION	TGAL	100
#	60	WATER USAGE CREDIT	TGAL	100
#	61	PERIMETER EROSION BARRIER	FOOT	300
#	62	PRE-CONSTRUCTION VIDEO RECORDING	L SUM	1
#	63	CONSTRUCTION LAYOUT	L SUM	1
#	64	TRAFFIC CONTROL AND PROTECTION	L SUM	1
#	65	CONTINGENCY ALLOWANCE	UNIT	30,000

Q:\VillagePark_IL\11283000 Astar-Myrtle Sewer Separation Preliminary Design\4 CAD\Sheets\North\3. Summary of Quantities.dwg

NOT FOR CONSTRUCTION

DESIGNED: Y GALLIN
DRAWN: R JOHNSON
CHECKED: C MORLEY
DATE: MARCH 3, 2017



CENTRAL BOULEVARD
IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL: -	DUPAGE	21	3
VERTICAL: -	STA. - TO STA.	-	-
PROJECT NO. 11-2830-00			

NOTES:
 THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. BEFORE ANY EXCAVATION BEGINS ALL UTILITY COMPANIES SERVING THE PROPERTY SHOULD BE CONTACTED FOR VERIFICATION OF FIELD LOCATION.

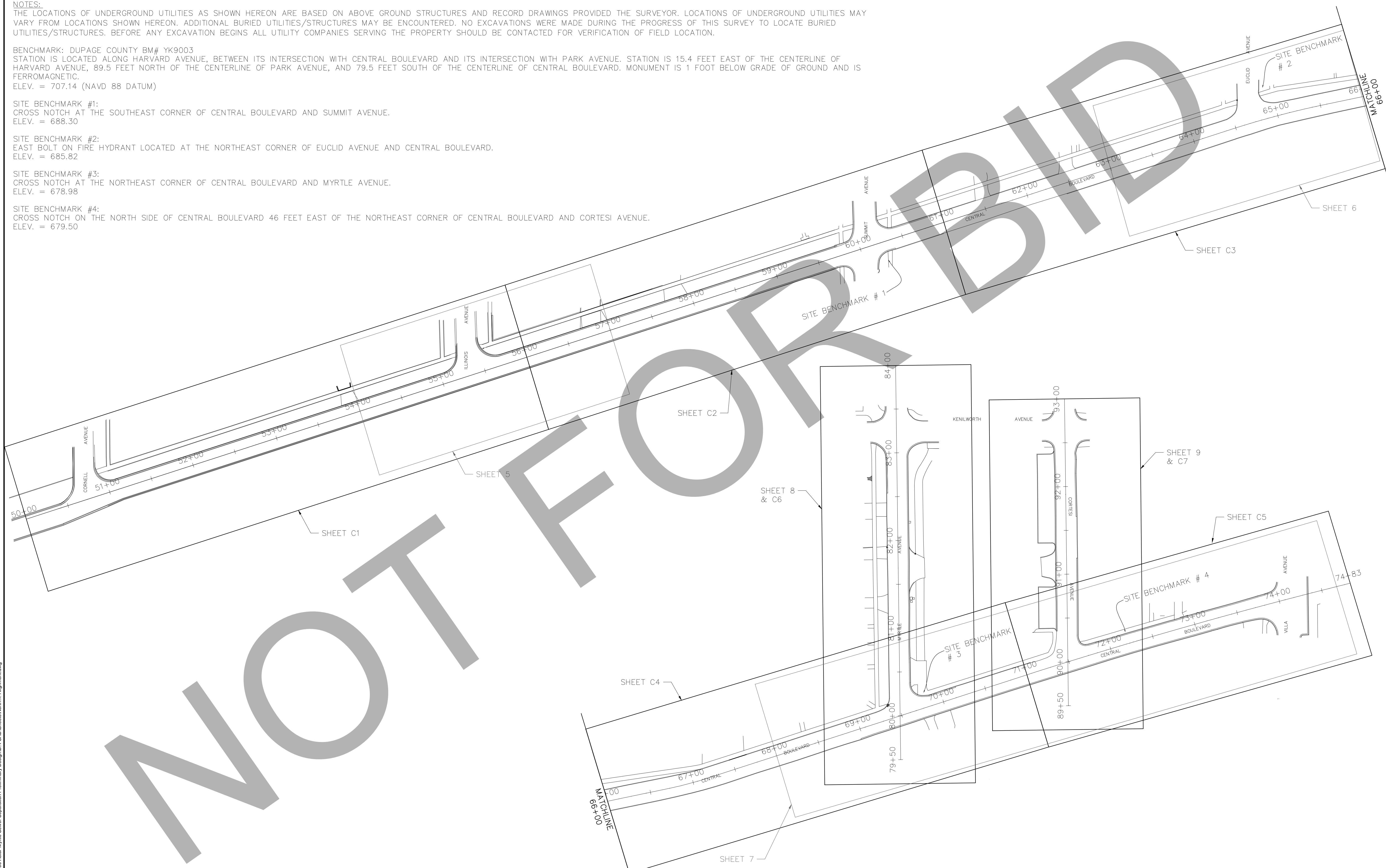
BENCHMARK: DUPAGE COUNTY BM# YK9003
 STATION IS LOCATED ALONG HARVARD AVENUE, BETWEEN ITS INTERSECTION WITH CENTRAL BOULEVARD AND ITS INTERSECTION WITH PARK AVENUE. STATION IS 15.4 FEET EAST OF THE CENTERLINE OF HARVARD AVENUE, 89.5 FEET NORTH OF THE CENTERLINE OF PARK AVENUE, AND 79.5 FEET SOUTH OF THE CENTERLINE OF CENTRAL BOULEVARD. MONUMENT IS 1 FOOT BELOW GRADE OF GROUND AND IS FERROMAGNETIC.
 ELEV. = 707.14 (NAVD 88 DATUM)

SITE BENCHMARK #1:
 CROSS NOTCH AT THE SOUTHEAST CORNER OF CENTRAL BOULEVARD AND SUMMIT AVENUE.
 ELEV. = 688.30

SITE BENCHMARK #2:
 EAST BOLT ON FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF EUCLID AVENUE AND CENTRAL BOULEVARD.
 ELEV. = 685.82

SITE BENCHMARK #3:
 CROSS NOTCH AT THE NORTHEAST CORNER OF CENTRAL BOULEVARD AND MYRTLE AVENUE.
 ELEV. = 678.98

SITE BENCHMARK #4:
 CROSS NOTCH ON THE NORTH SIDE OF CENTRAL BOULEVARD 46 FEET EAST OF THE NORTHEAST CORNER OF CENTRAL BOULEVARD AND CORTESI AVENUE.
 ELEV. = 679.50



Q:\VilaPark_IL\1128300 Astar-Myrtle Sewer Separation Preliminary Design\4 CAD\Sheets\North\4 Alignment.dwg

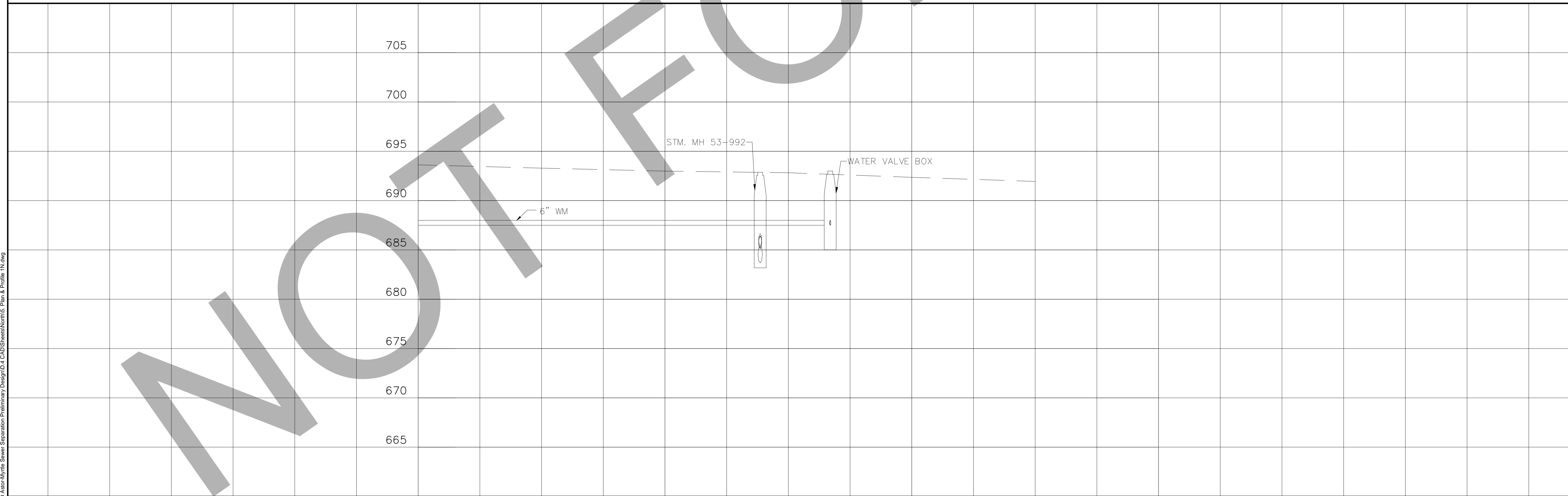
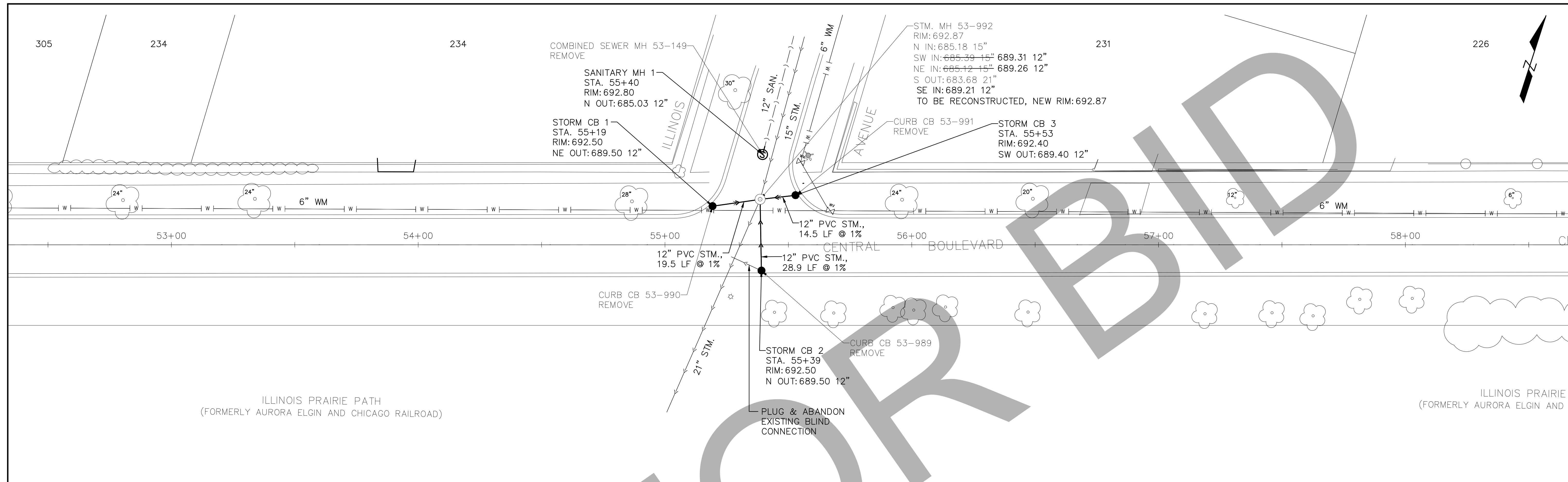
DESIGNED: Y GALLIN	
DRAWN: R JOHNSON	
CHECKED: C MORLEY	
DATE: MARCH 3, 2017	





**CENTRAL BOULEVARD
IMPROVEMENTS**

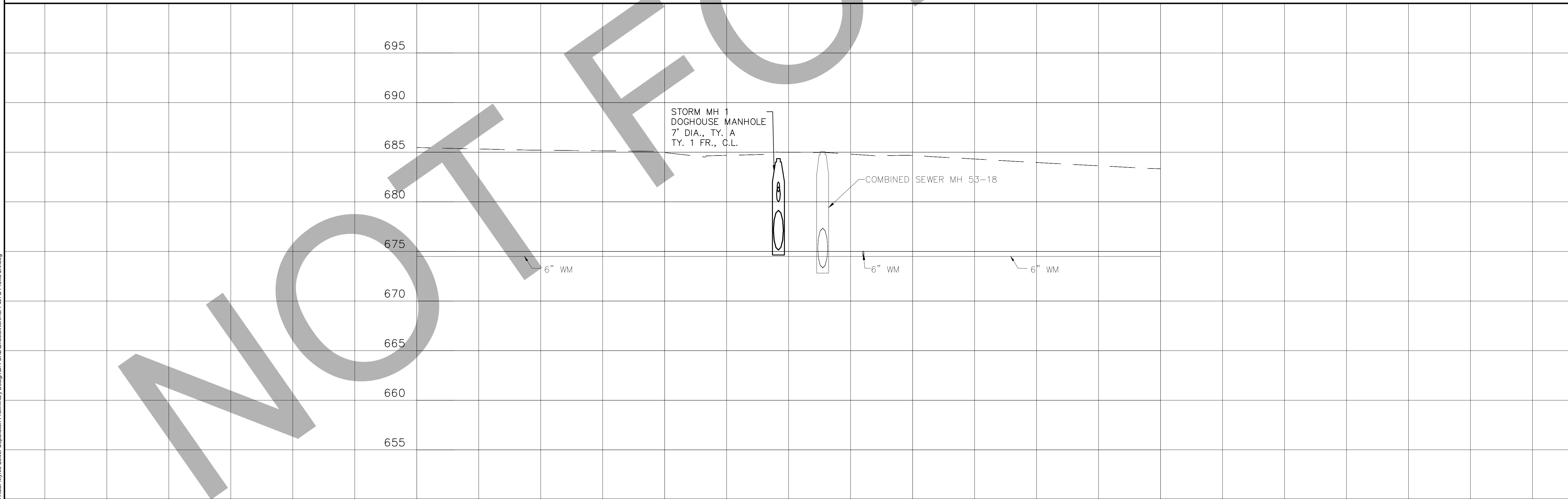
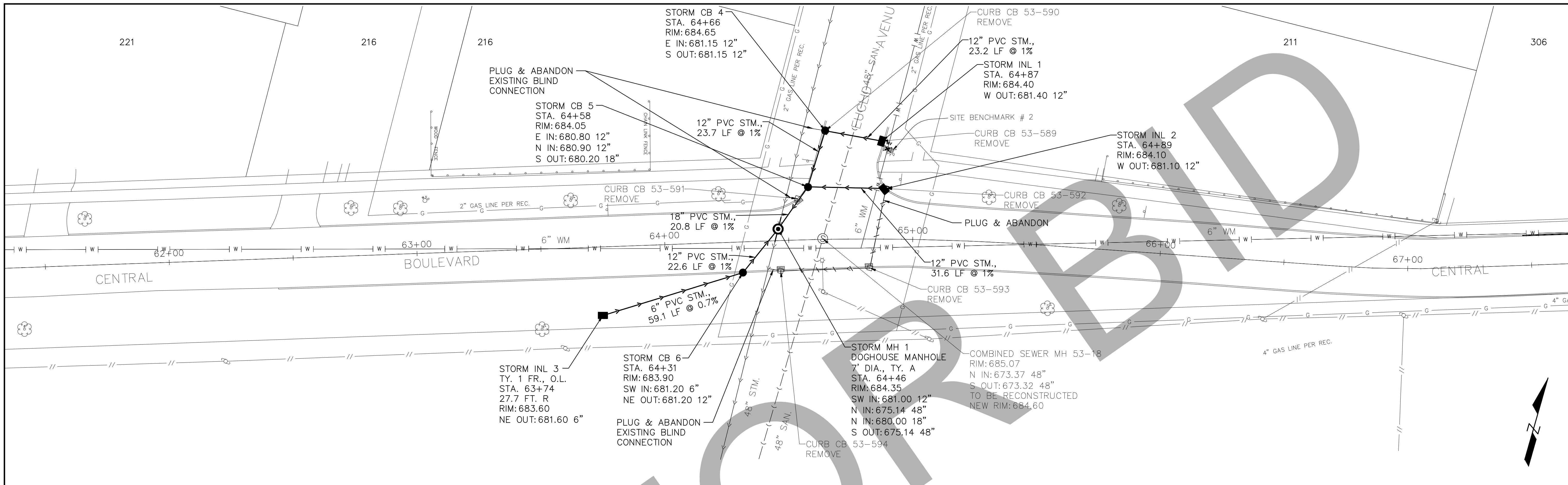
ALIGNMENT SHEET

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL: 1" = 80'	DUPAGE	21	4
VERTICAL: -	STA. - TO STA.	-	-
PROJECT NO. 11-2830-00			



DESIGNED: Y GALLIN	 	CENTRAL BOULEVARD IMPROVEMENTS	DRAINAGE & UTILITY	SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN: R JOHNSON				HORIZONTAL: 1" = 20'	DUPAGE	21	5
CHECKED: C MORLEY				VERTICAL: 1" = 5'	STA.	TO STA.	
DATE: MARCH 3, 2017				PROJECT NO. 11-2830-00			

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G:\VillagePark_IL\11283000 Astor-Myrtle Sewer Separation Preliminary Design\4 CAD Sheets\North\6. Plan & Profile 2N.dwg

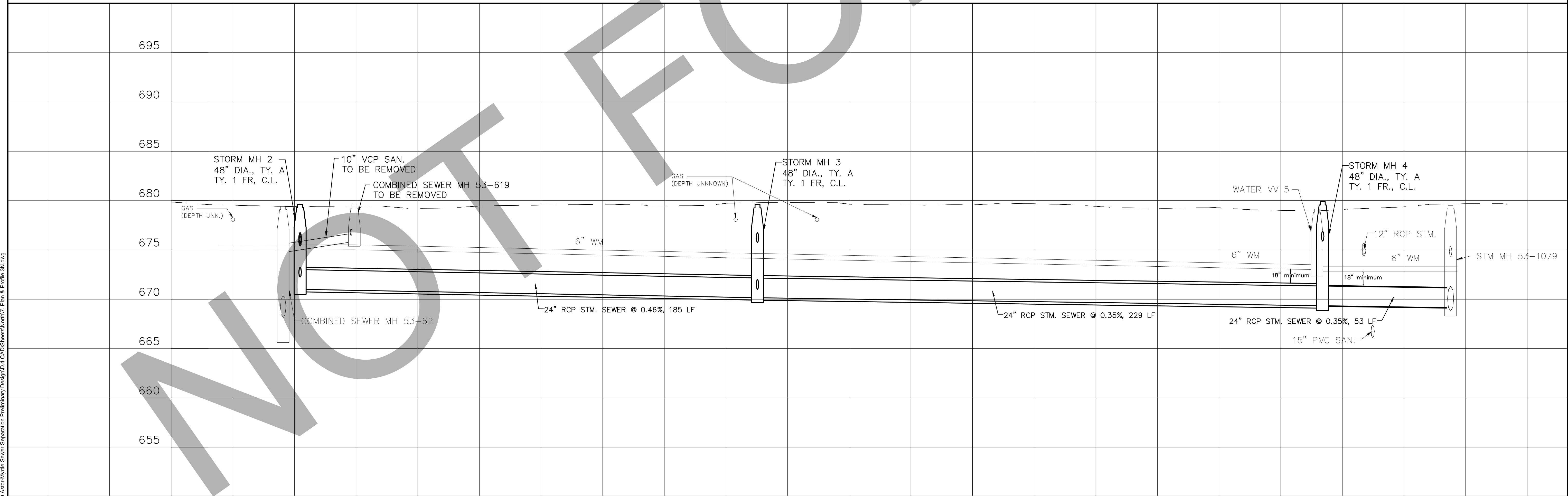
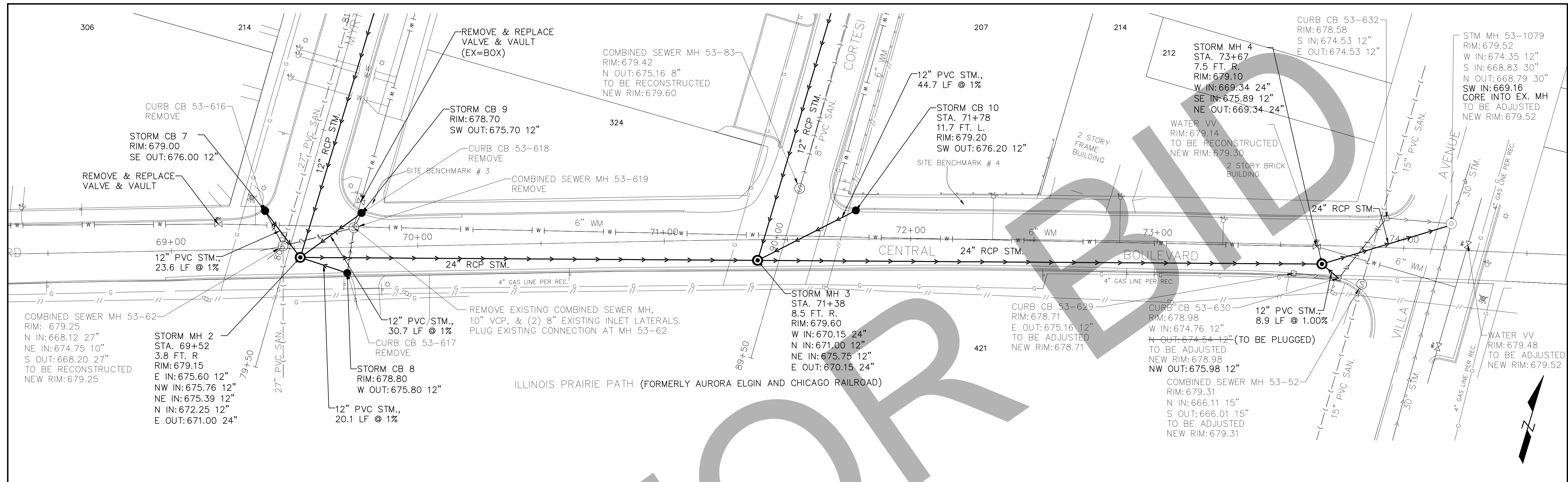
DESIGNED: Y GALLIN
 DRAWN: R JOHNSON
 CHECKED: C MORLEY
 DATE: MARCH 3, 2017



**CENTRAL BOULEVARD
 IMPROVEMENTS**

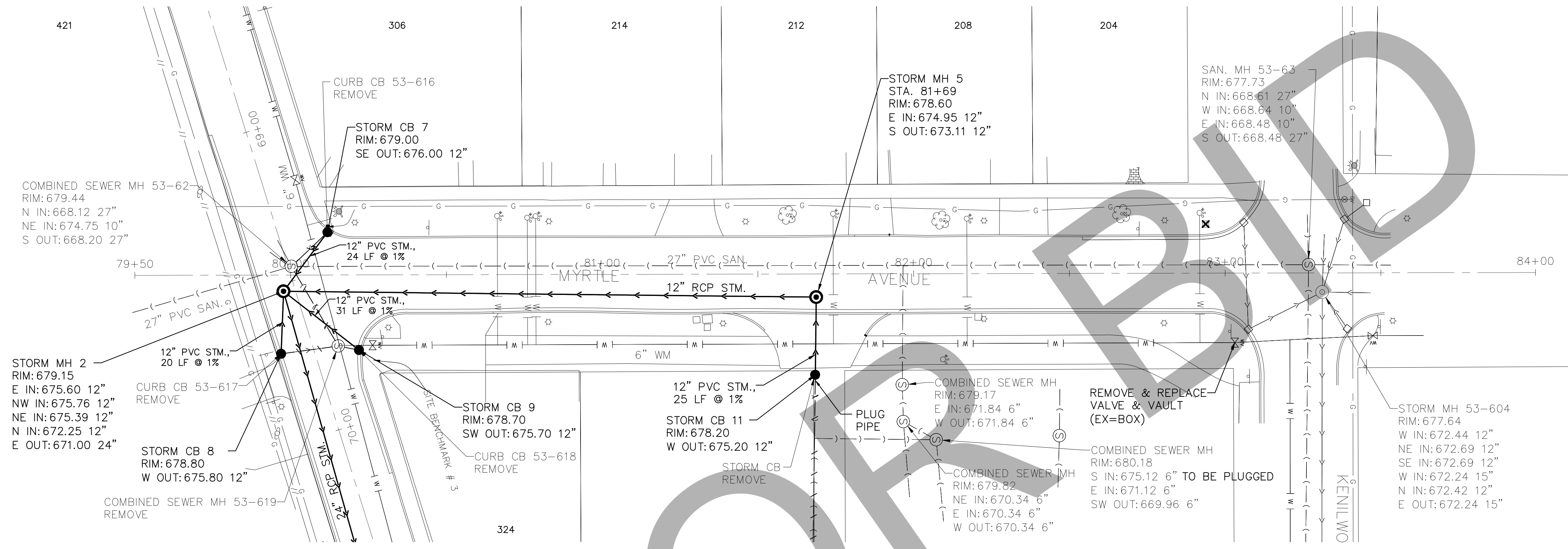
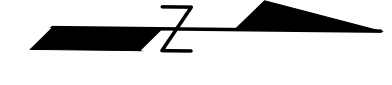
DRAINAGE & UTILITY

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
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VERTICAL: 1" = 5'	STA.	TO STA.	
PROJECT NO. 11-2830-00			

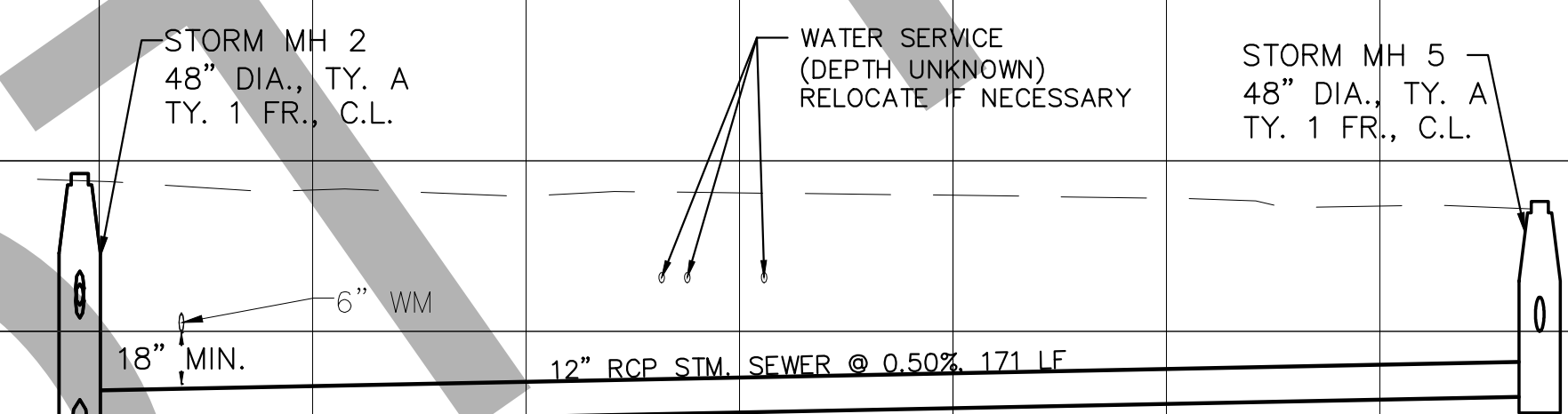


DESIGNED: Y GALLIN			CENTRAL BOULEVARD IMPROVEMENTS	DRAINAGE & UTILITY	SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN: R JOHNSON					HORIZONTAL: 1" = 20'	DUPAGE	21	7
CHECKED: C MORLEY					VERTICAL: 1" = 5'	STA.	TO STA.	
DATE: MARCH 3, 2017					PROJECT NO. 11-2830-00			

Q:\VillaPark_IL\11283000_Astor-Myrtle Sewer Separation Preliminary Design\4 CAD\Sheets\North\Y, Plan & Profile 3N.dwg



695
690
685
680
675
670
665
660
655



79+50 80+00 81+00 82+00

Q:\VilaPark_IL\1128300_Aster-Myrtle Sewer Separation Preliminary Design\4 CAD Sheets\North\6 Plan & Profile.dwg

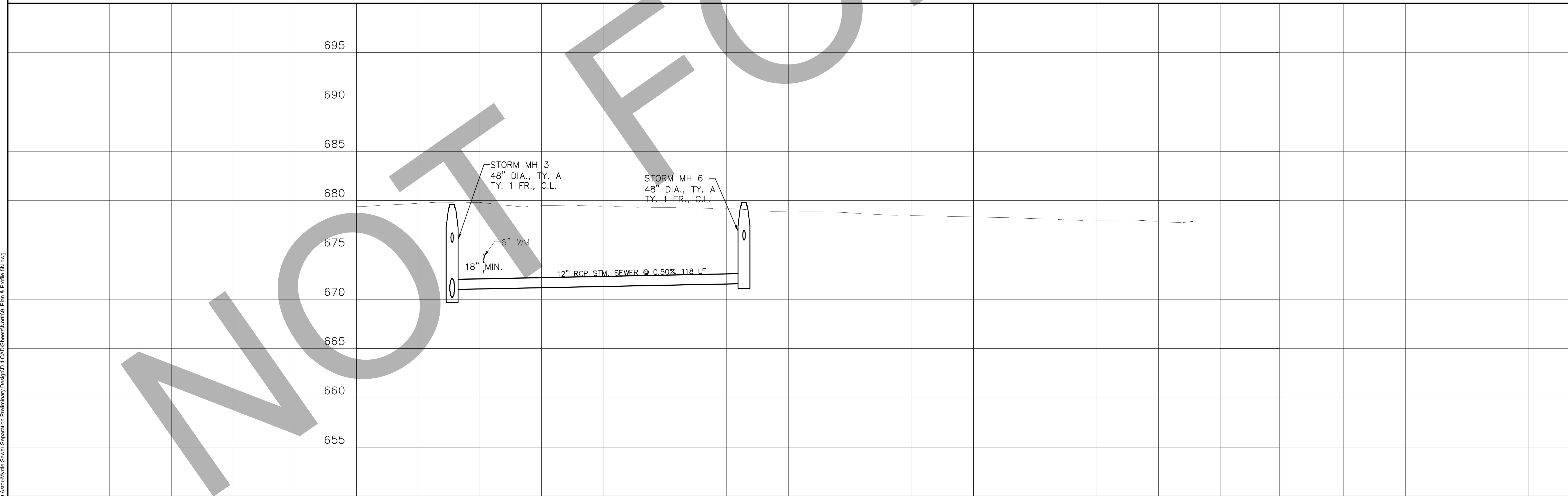
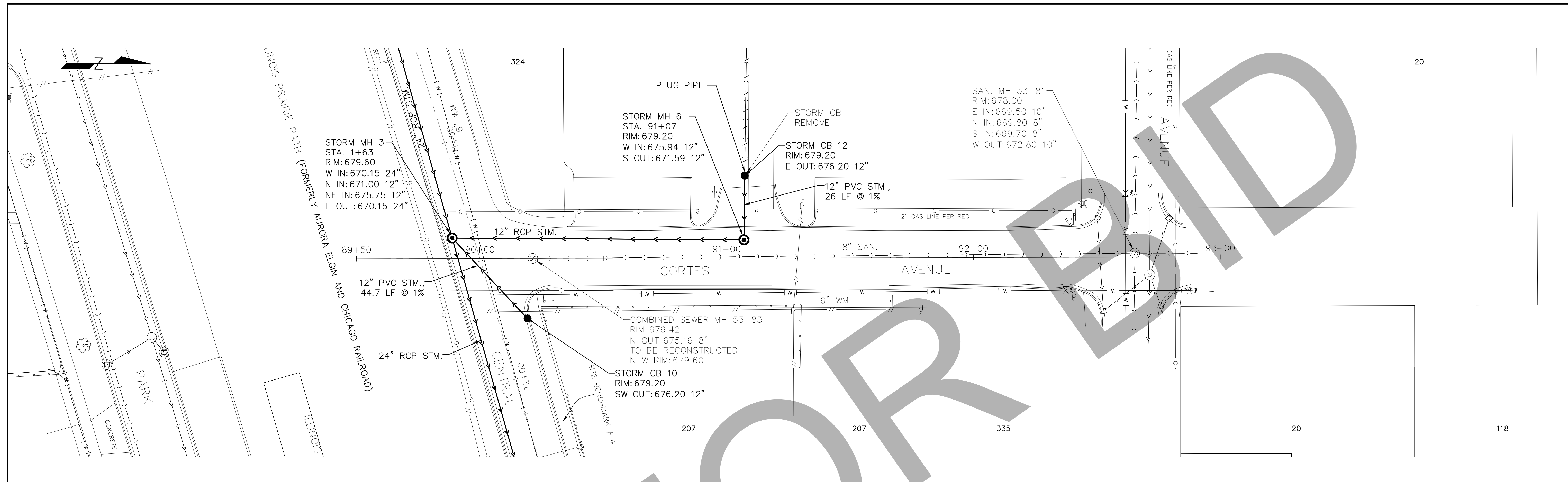
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DRAWN: R JOHNSON
CHECKED: C MORLEY
DATE: MARCH 3, 2017





**CENTRAL BOULEVARD
IMPROVEMENTS**

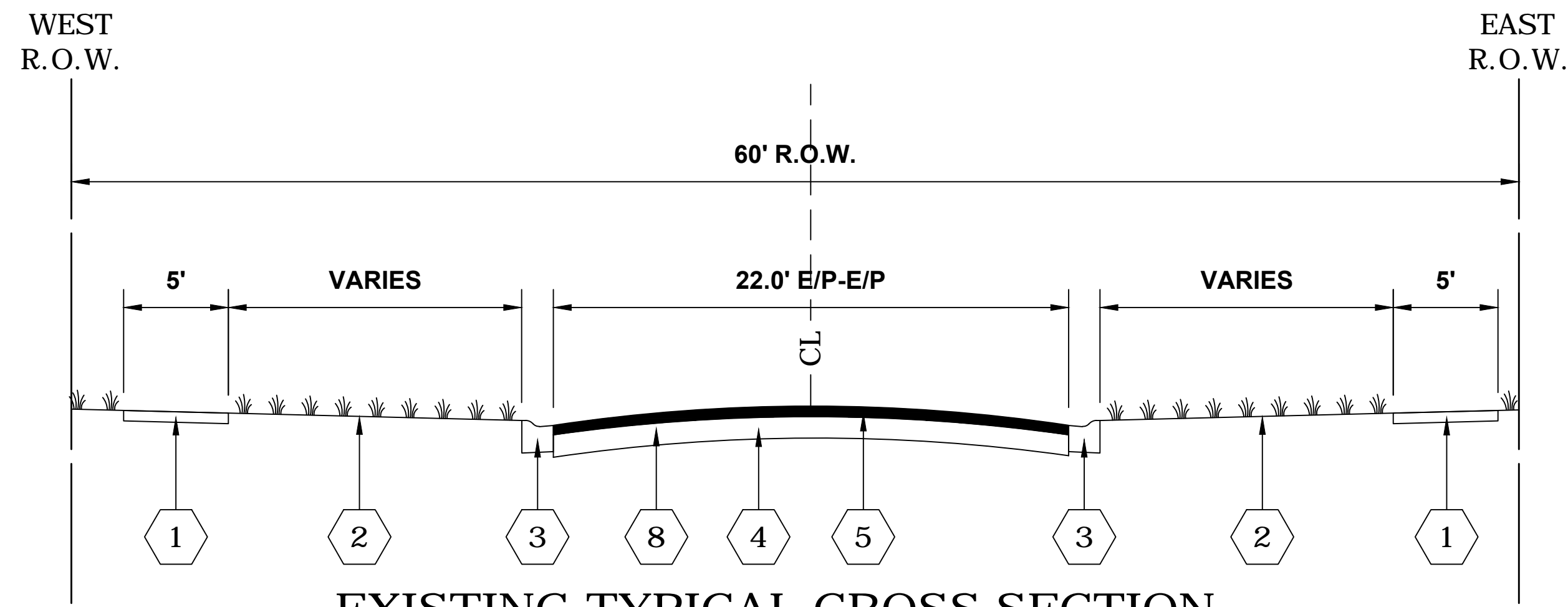
DRAINAGE & UTILITY

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
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VERTICAL: 1" = 5'	STA.	TO STA.	
PROJECT NO. 11-2830-00			

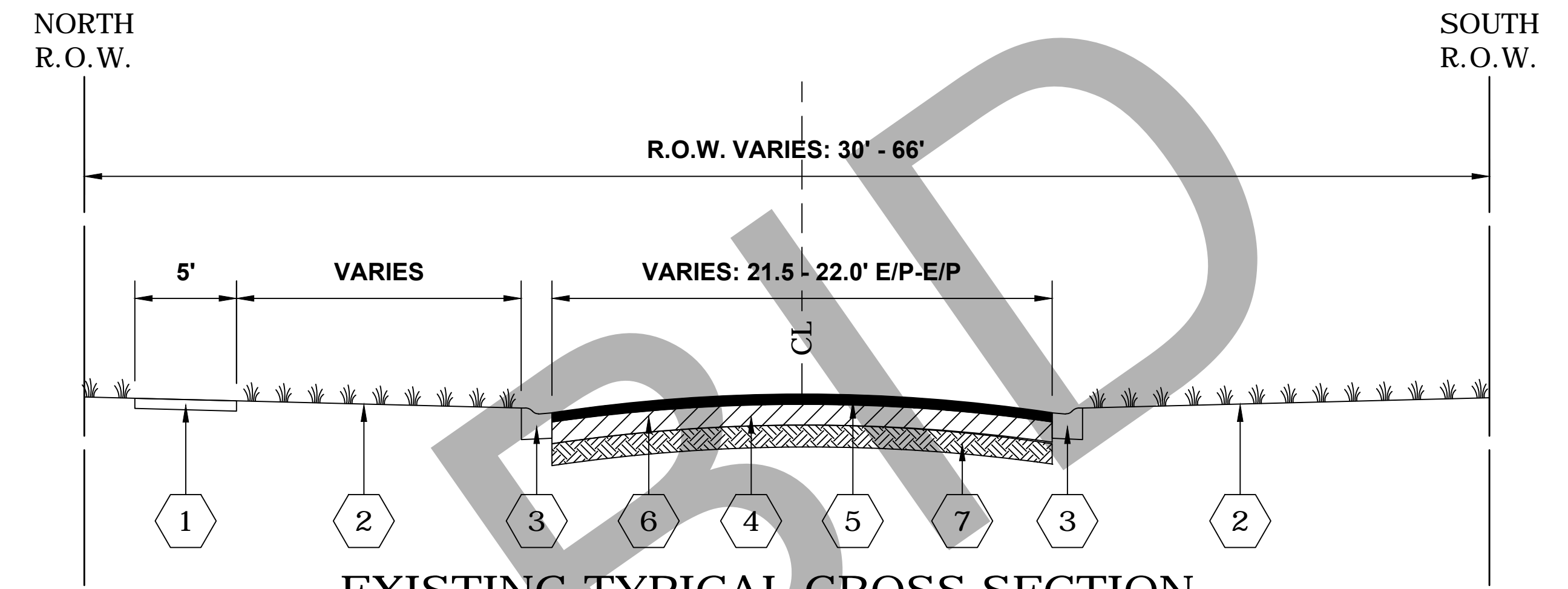


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CHECKED: C MORLEY				VERTICAL: 1" = 5'	STA.	TO STA.	
DATE: MARCH 3, 2017				PROJECT NO. 11-2830-00			

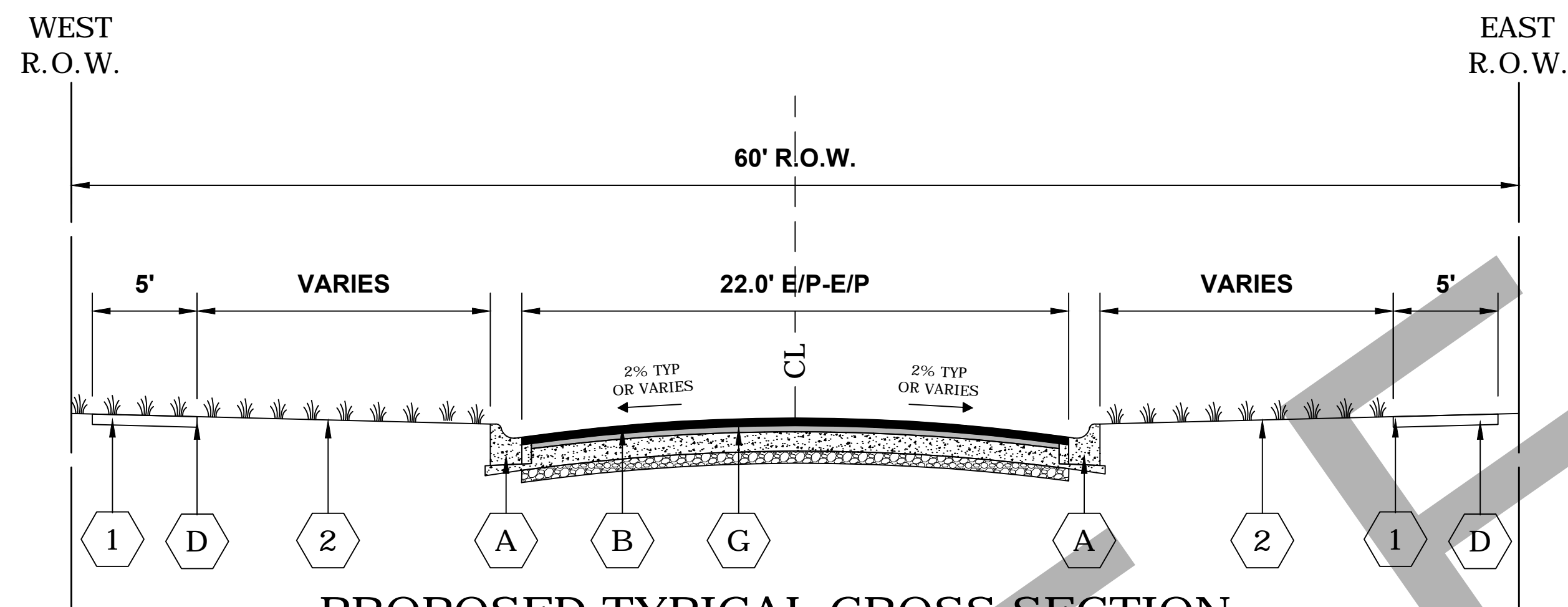
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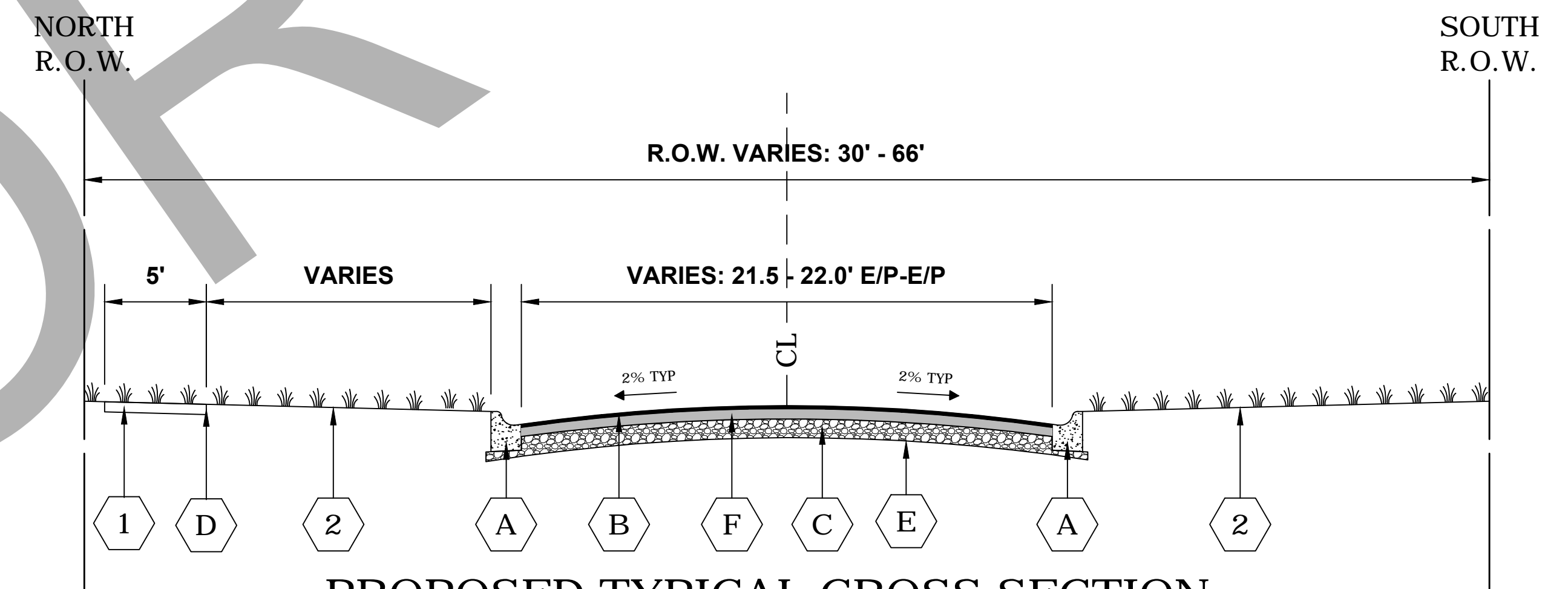
**EXISTING TYPICAL CROSS SECTION
MYRTLE AVE. & CORTESI AVE.**



**EXISTING TYPICAL CROSS SECTION
CENTRAL BLVD.
(STA. 50+87.7 TO STA. 67+12)**



**PROPOSED TYPICAL CROSS SECTION
MYRTLE AVE. & CORTESI AVE.**



**PROPOSED TYPICAL CROSS SECTION
CENTRAL BLVD.
(STA. 50+87.7 TO STA. 67+12)**

ALL PROPOSED SIDEWALK
TO BE ADA COMPLIANT
2% MAXIMUM CROSS SLOPE

ALL PROPOSED SIDEWALK
TO BE ADA COMPLIANT
2% MAXIMUM CROSS SLOPE

SYMBOL	DESCRIPTION
1	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5" (INTERMITTENT REMOVAL)
2	LANDSCAPED PARKWAY
3	COMBINATION CONCRETE CURB & GUTTER, TO BE REMOVED
4	AGGREGATE BASE OR CONCRETE BASE *
5	HOT-MIX ASPHALT SURFACE *
6	PAVEMENT REMOVAL
7	EARTH EXCAVATION
8	HOT-MIX ASPHALT SURFACE REMOVAL *(SEE PAVEMENT CORE SUMMARY FOR THICKNESS)

SYMBOL	DESCRIPTION
A	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
B	HOT-MIX ASPHALT SURFACE COURSE, MIX D N50, 2"
C	PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
D	PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
E	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
F	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"
G	LEVEL BINDER (MACHINE METHOD) N50, 1"

DESIGNED: CRB	
DRAWN: ECW	
CHECKED: CRB	
DATE: MARCH 3, 2017	

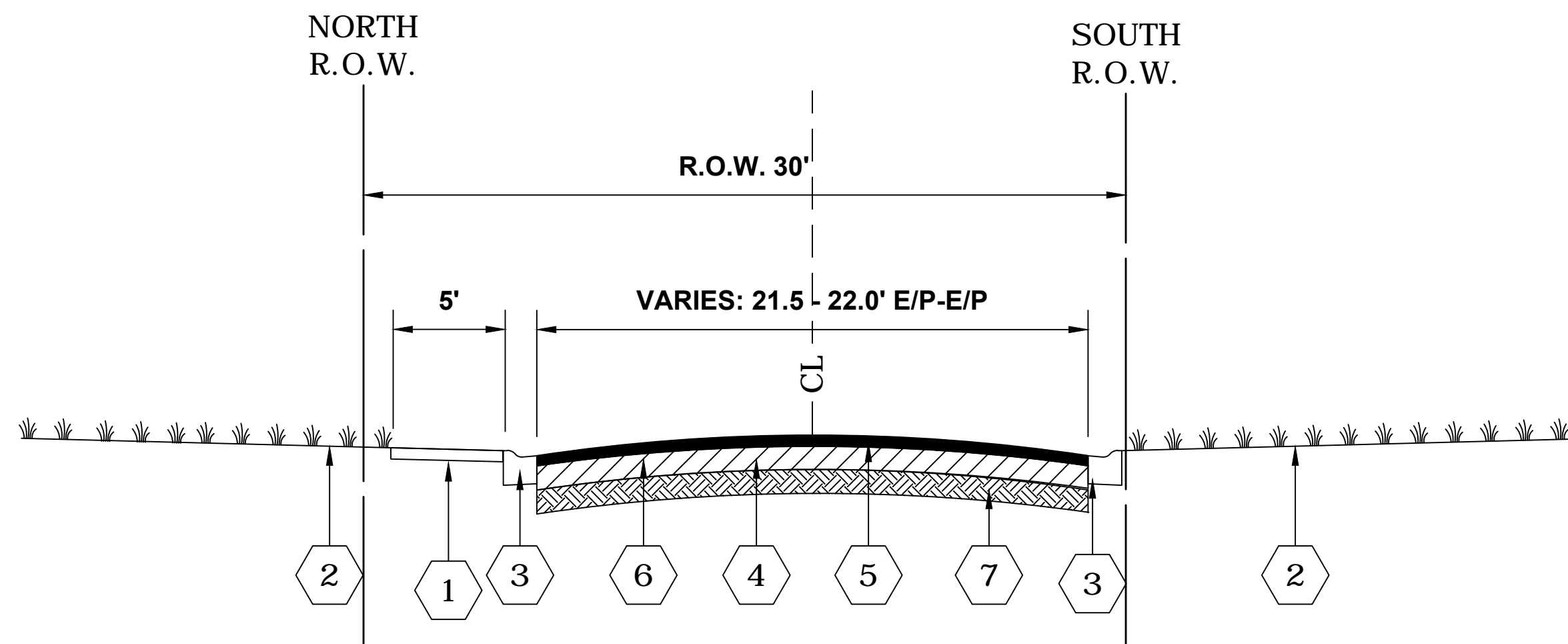


**CENTRAL BOULEVARD
ROADWAY RECONSTRUCTION
VILLA PARK, ILLINOIS**

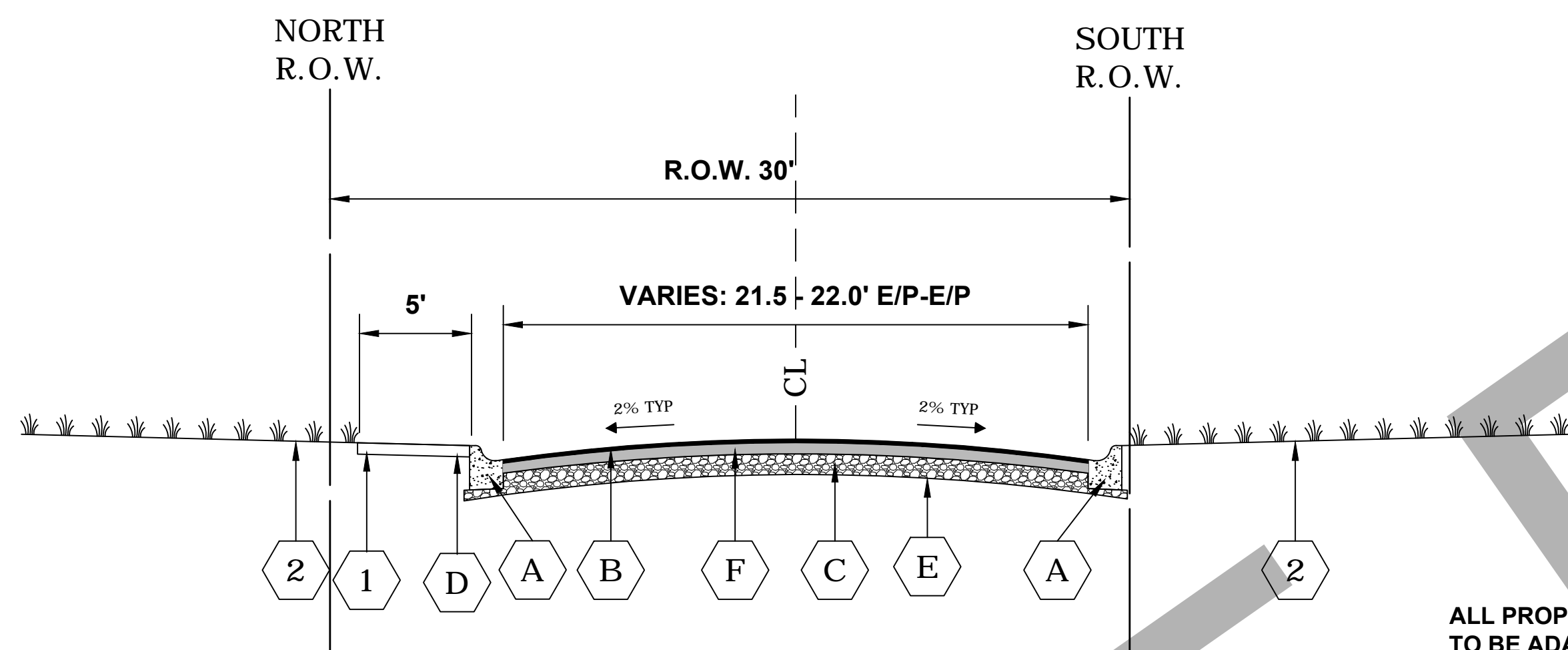
TYPICAL SECTIONS

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VERTICAL: -	STA. - TO STA. -		
PROJECT NO. E.H.E. NO.: 555-16-01205			

Drawing file: O:\VillaPark_LL\11283000_Aster-Myrtle_Sewer_Separation_Preliminary_Design\04_CAD\Received\Hancock_Final_Plans_2-23-17\Details_North.dwg Mar 07, 2017 - 2:17pm



EXISTING TYPICAL CROSS SECTION
CENTRAL BLVD.
 (STA. 67+12 TO STA. 73+82)



PROPOSED TYPICAL CROSS SECTION
CENTRAL BLVD.
 (STA. 67+12 TO STA. 73+82)

- | SYMBOL | DESCRIPTION |
|--------|---|
| 1 | EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5" (INTERMITTENT REMOVAL) |
| 2 | LANDSCAPED PARKWAY |
| 3 | COMBINATION CONCRETE CURB & GUTTER, TO BE REMOVED |
| 4 | AGGREGATE BASE OR CONCRETE BASE * |
| 5 | HOT-MIX ASPHALT SURFACE * |
| 6 | PAVEMENT REMOVAL |
| 7 | EARTH EXCAVATION |
| 8 | HOT-MIX ASPHALT SURFACE REMOVAL
*(SEE PAVEMENT CORE SUMMARY FOR THICKNESS) |

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
FULL DEPTH PAVEMENT	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0,N50, 4"	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR.
LEVEL BINDER (MACHINE METHOD) N50, 1"	4% @ 50 GYR.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0,N50 MUST BE PLACED WITH A MINIMUM LIFT OF 2 1/4" AND AN INITIAL LIFT OF 3".

Village of Villa Park			
Central Avenue Improvements			
Pavement Cores			
Roadway	Core #	Material - Depth	
		HMA	PCC
Cortesi Avenue	1A	2"	6"
	1B	2.25"	6.75"
Myrtle Avenue	2A	1.5"	7.5"
	2B	2.5"	7"
Central Boulevard	3A	1.5"	7.5"
	3B	2"	7"
	3C	1.5"	8.5"
	3D	1.5"	8"

- | SYMBOL | DESCRIPTION |
|--------|--|
| A | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 |
| B | HOT-MIX ASPHALT SURFACE COURSE, MIX D N50, 2" |
| C | PROPOSED AGGREGATE BASE COURSE, TYPE B, 6" |
| D | PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL |
| E | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION |
| F | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4" |
| G | LEVEL BINDER (MACHINE METHOD) N50, 1" |

Drawing file: O:\VillaPark_LL\11283000_Aster-Myrtle-Sewer-Separation-Preliminary_Design\04_CAD\Received\Hancock_Final_Plans_2-23-17\Details_North.dwg Mar 07, 2017 - 2:24pm

DESIGNED: CRB	
DRAWN: ECW	
CHECKED: CRB	
DATE: MARCH 3, 2017	

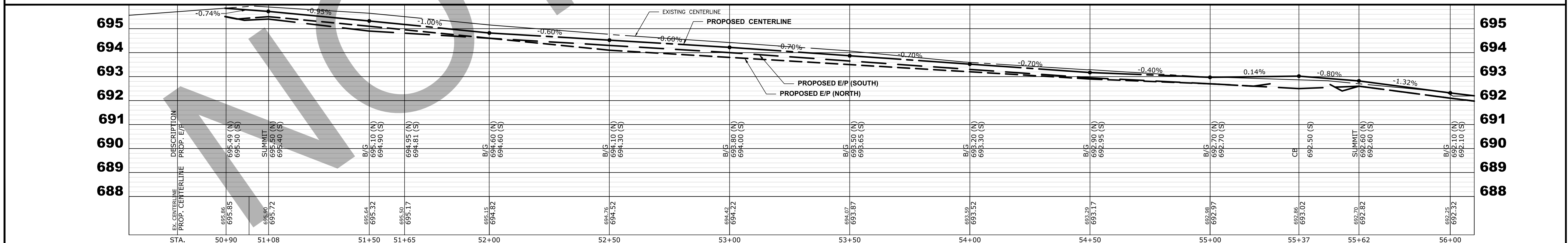
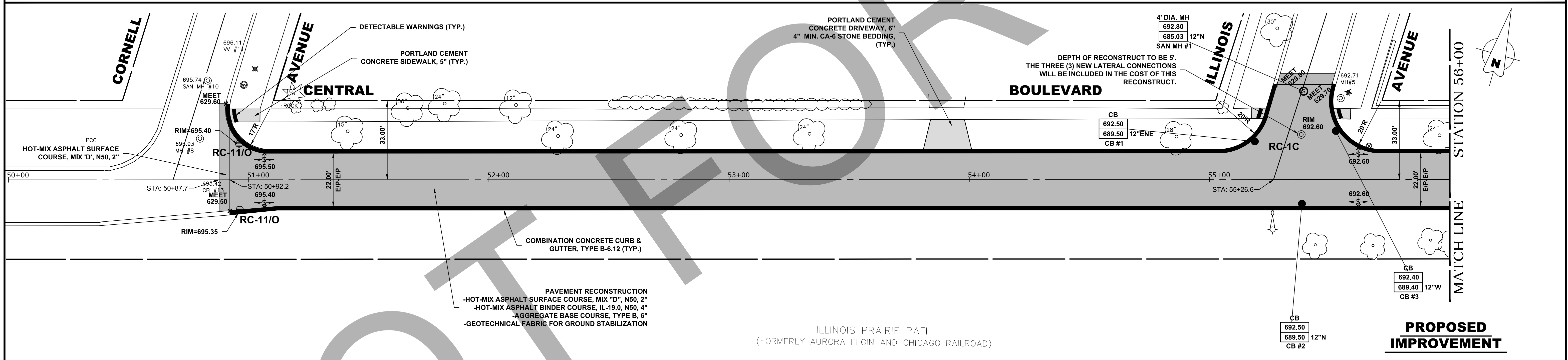
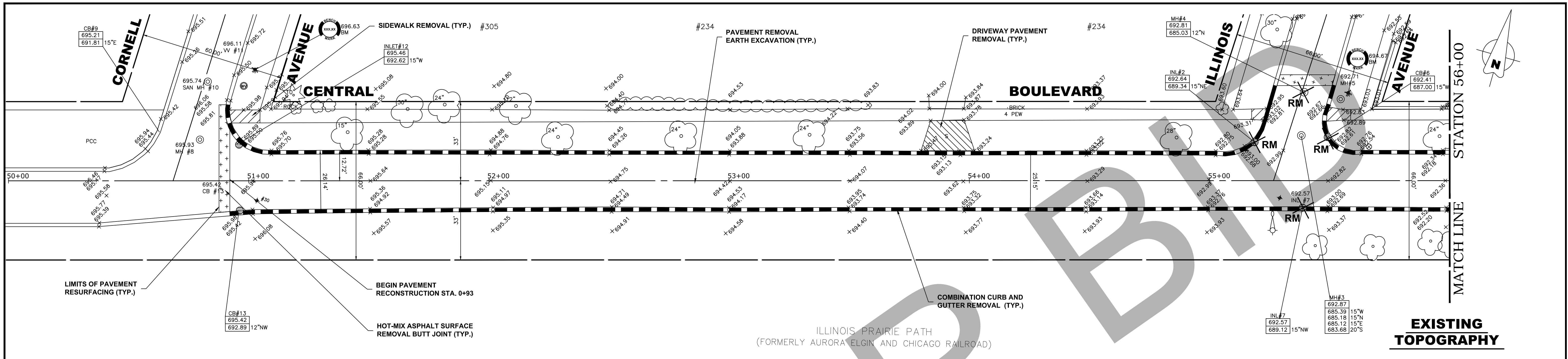


CENTRAL BOULEVARD
ROADWAY RECONSTRUCTION
VILLA PARK, ILLINOIS

TYPICAL SECTIONS

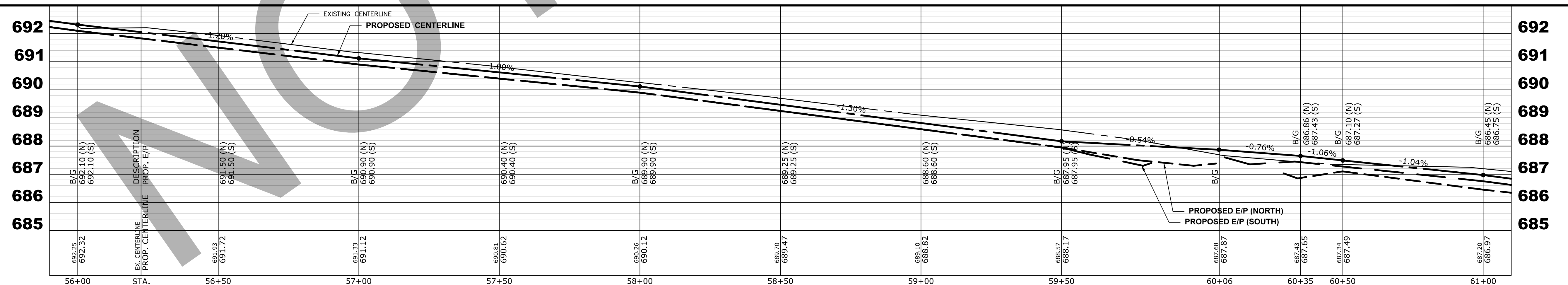
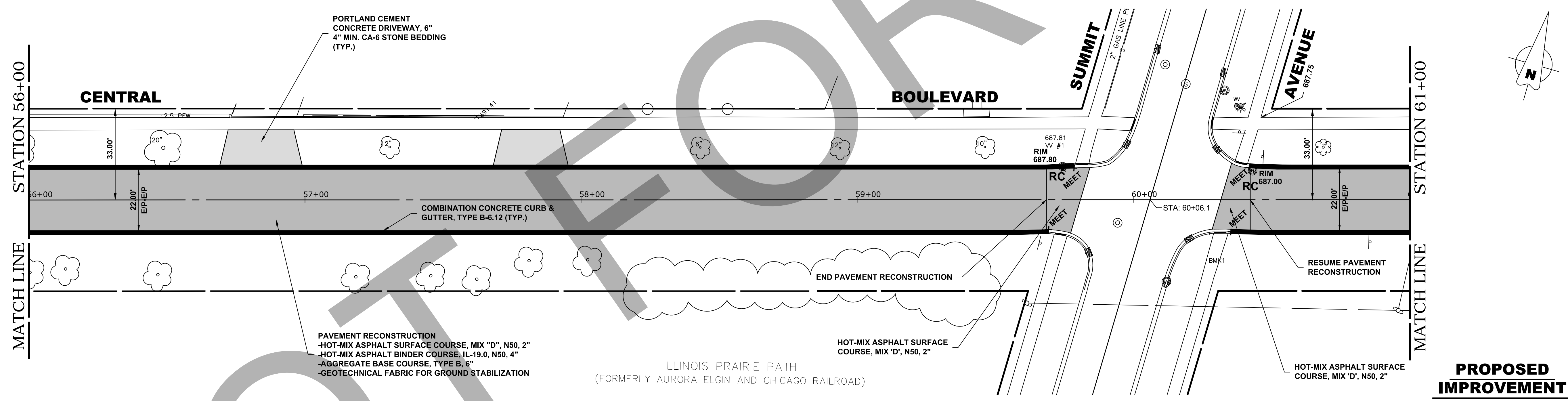
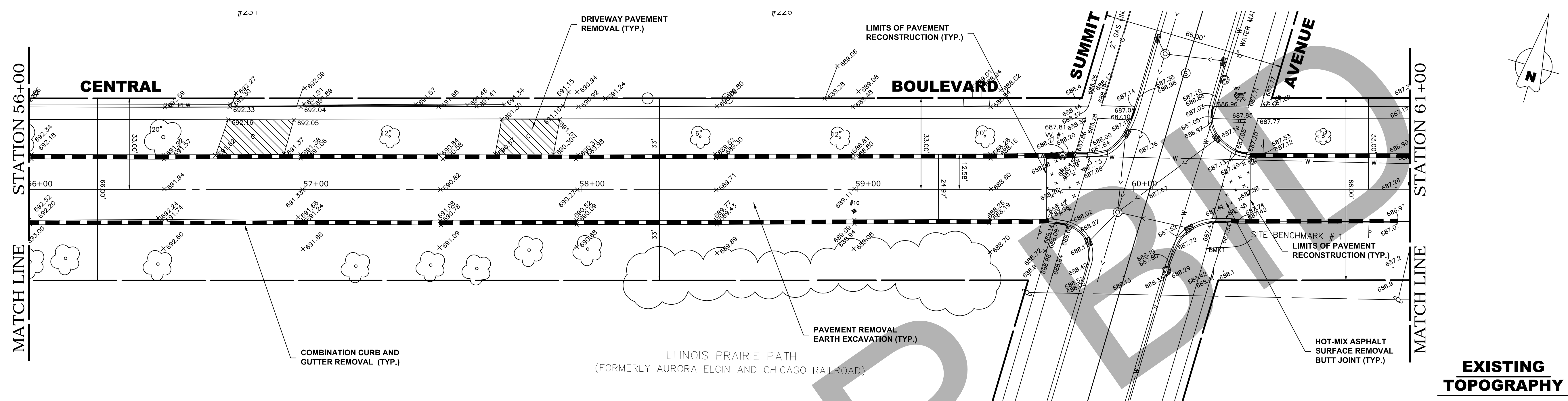
SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL: -	DUPAGE	21	11
VERTICAL: -	STA. - TO STA. -	-	-
PROJECT NO. E.H.E. NO.: 555-16-01205			

Drawing file: C:\VillPark_L\1283000 Astor-Myrtle Sewer Separation Preliminary Design\0.4 CAD\Received\Hornock Final Plans 2-23-17\Astor Myrtle Reconstr_3.dwg
 Feb 27, 2017 - 2:05pm



DESIGNED: CRB			CENTRAL BOULEVARD ROADWAY RECONSTRUCTION VILLA PARK, ILLINOIS	PLAN AND PROFILE CENTRAL AVENUE	COUNTY: DUPAGE TOTAL SHEETS: 21 SHEET NO.: 12
DRAWN: ECW					SCALES: HORIZONTAL: 1" = 20' VERTICAL: 1" = 2'
CHECKED: CRB					STA. 50+87 TO STA. 56+00
DATE: MARCH 3, 2017					PROJECT NO. E.H.E. NO.: 555-16-01205

Drawing file: C:\VilaPark_LL\1283000 Astor-Nyrtle Sewer Separation Preliminary Design\0.4 CAD\Received\Astor-Nyrtle Reconstr_3.dwg
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DESIGNED: CRB
 DRAWN: ECW
 CHECKED: CRB
 DATE: MARCH 3, 2017

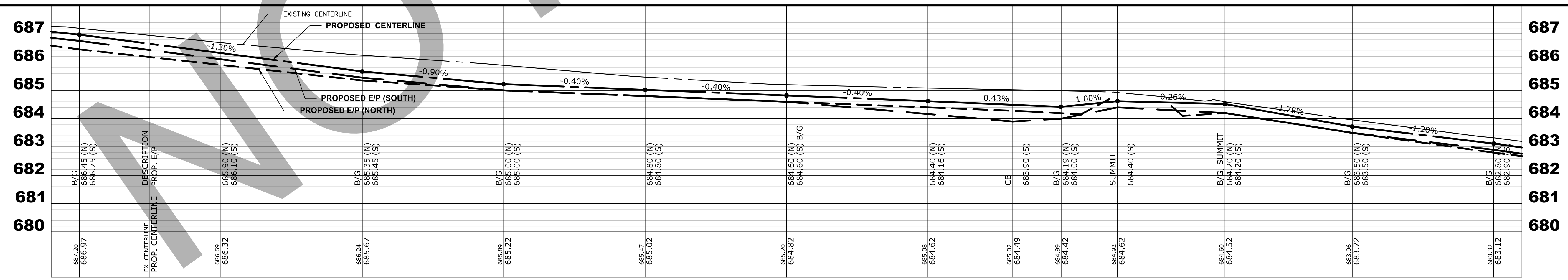
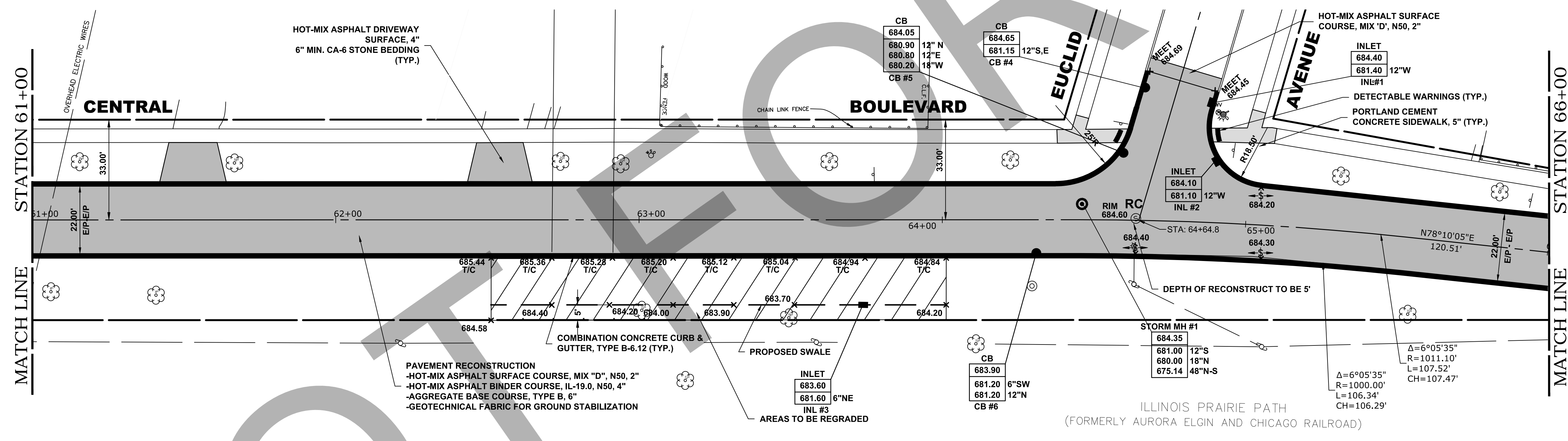
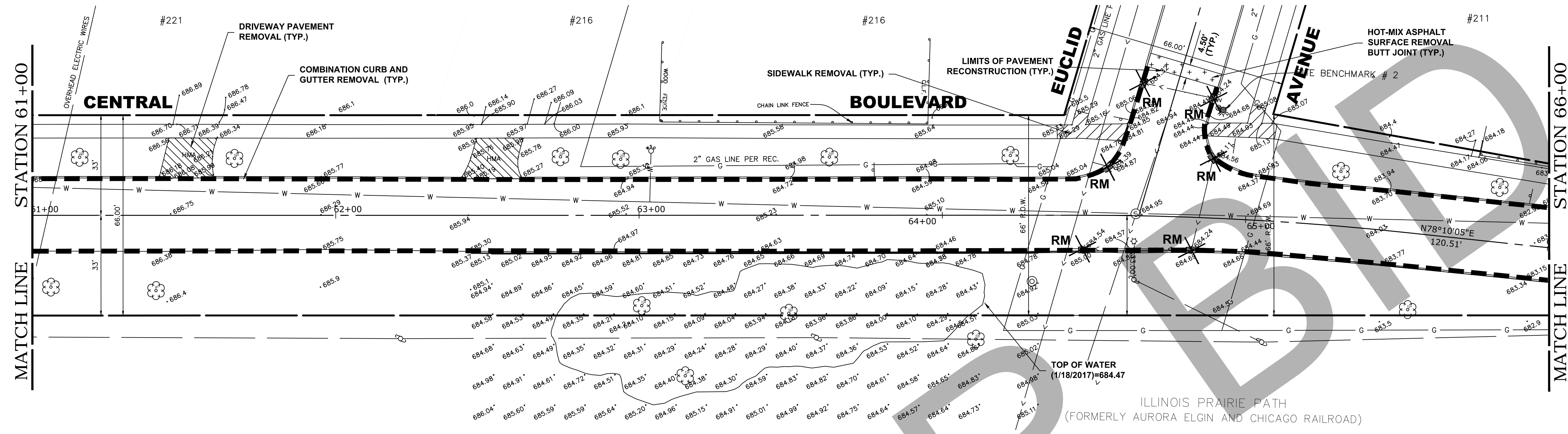


**CENTRAL BOULEVARD
 ROADWAY RECONSTRUCTION
 VILLA PARK, ILLINOIS**

**PLAN AND PROFILE
 CENTRAL AVENUE**

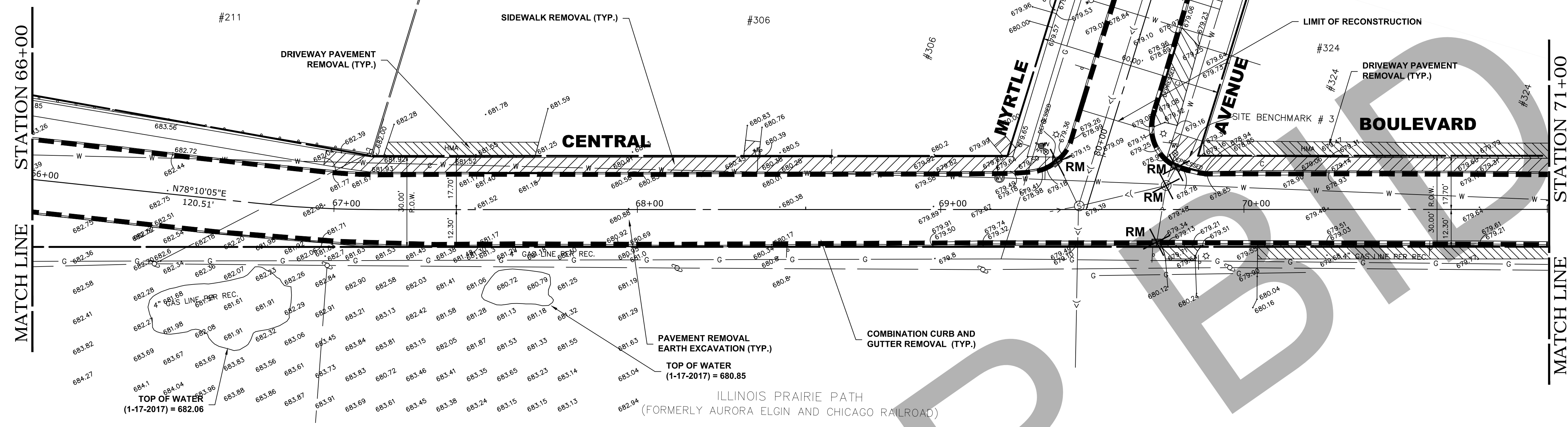
SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
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VERTICAL: 1" = 2'	STA. 56+00 TO STA. 61+00		
PROJECT NO. E.H.E. NO.: 555-16-01205			

Drawing file: C:\VilaPark_LL\1283000 Astor-Nyrtle Sewer Separation Preliminary Design\0.4 CDD\Received\Horcock Final Plans 2-23-17\Astor Nyrtle Reconstr_3.dwg Feb 28, 2017 - 2:59pm

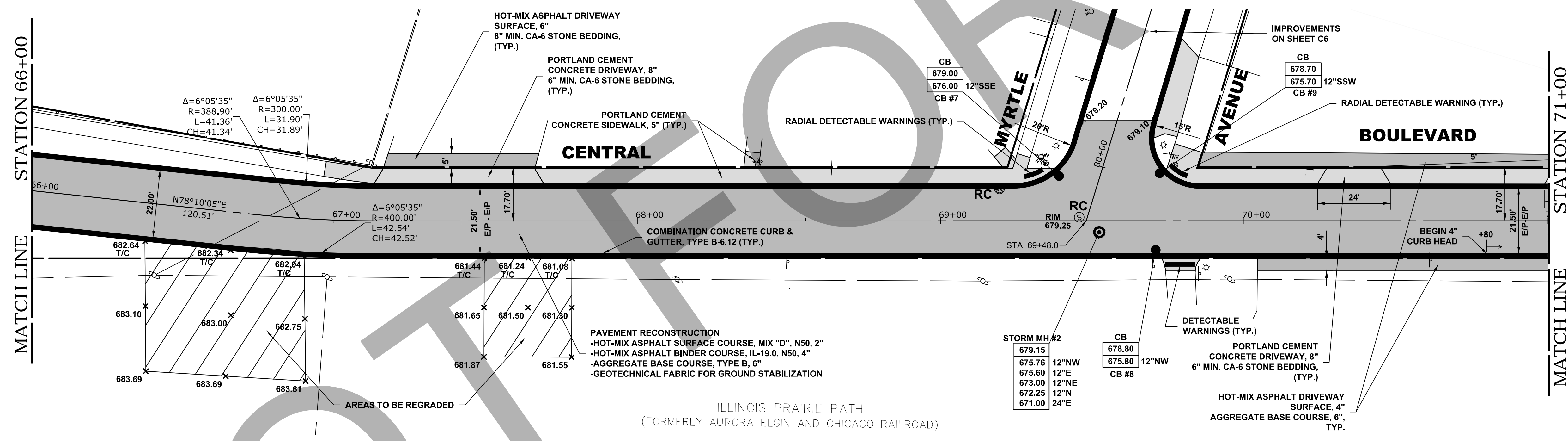


DESIGNED: CRB			CENTRAL BOULEVARD ROADWAY RECONSTRUCTION VILLA PARK, ILLINOIS		PLAN AND PROFILE CENTRAL AVENUE		SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
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CHECKED: CRB							VERTICAL: 1" = 2'	STA. 61+00 TO STA. 66+00		
DATE: MARCH 3, 2017							PROJECT NO. E.H.E. NO.: 555-16-01205			

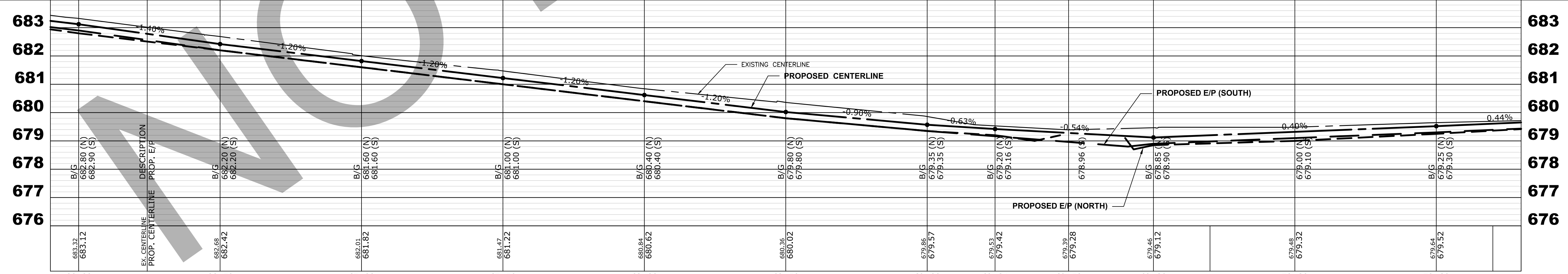
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EXISTING TOPOGRAPHY

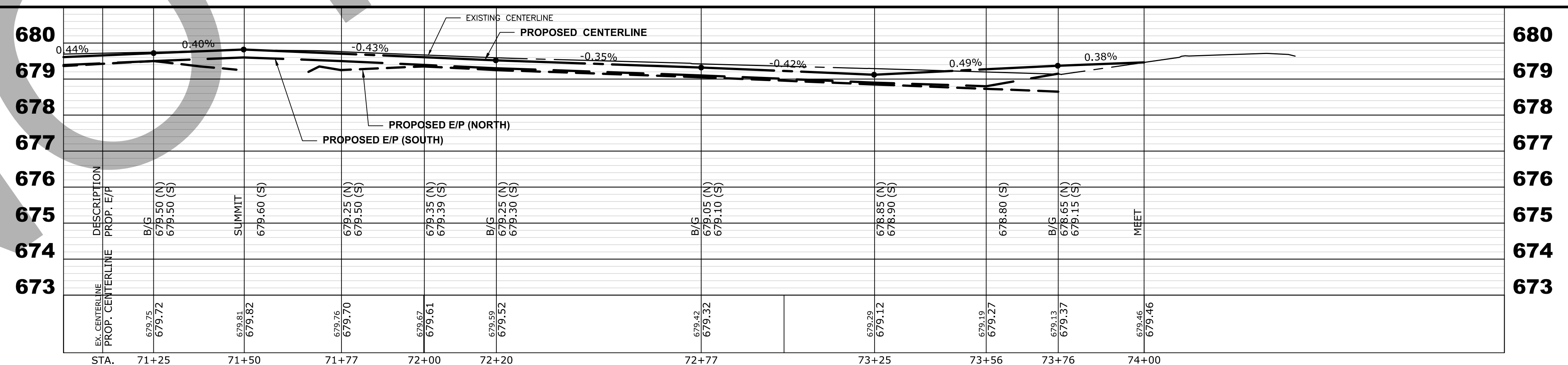
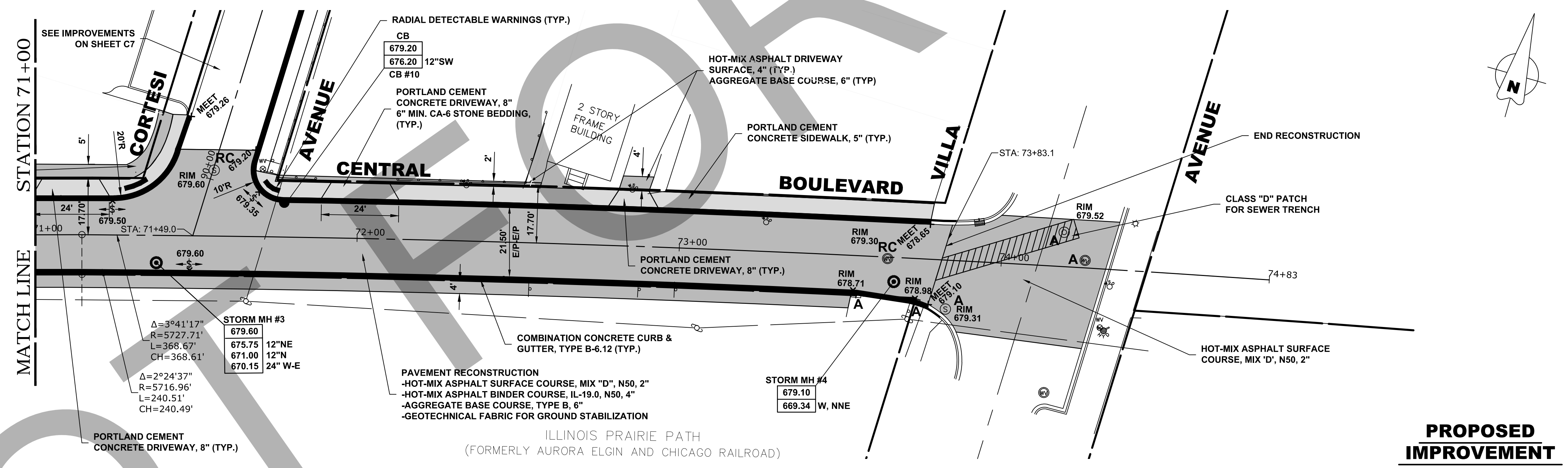
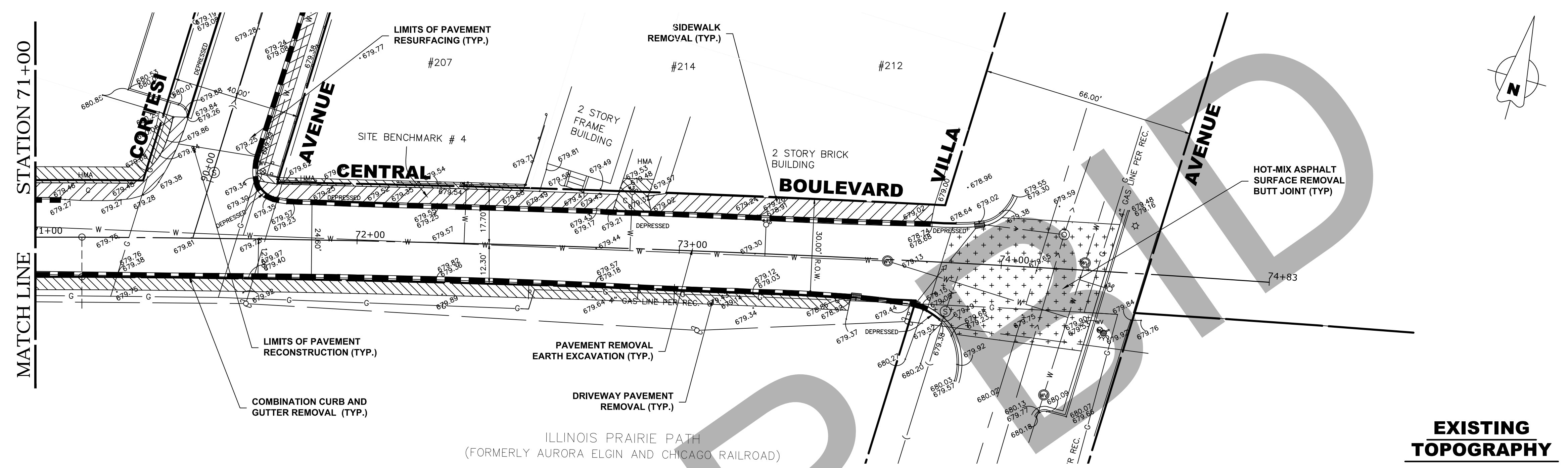


PROPOSED IMPROVEMENT



DESIGNED: CRB	 	CENTRAL BOULEVARD ROADWAY RECONSTRUCTION VILLA PARK, ILLINOIS	PLAN AND PROFILE CENTRAL AVENUE	SCALES HORIZONTAL: 1" = 20' VERTICAL: 1" = 2'	COUNTY DUPAGE	TOTAL SHEETS 21	SHEET NO. 15
DRAWN: ECW				PROJECT NO. E.H.E. NO.: 555-16-01205			
CHECKED: CRB				STA. 66+00 TO STA. 71+00			
DATE: MARCH 3, 2017							

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 Feb 27, 2017 - 2:00pm



DESIGNED: CRB
 DRAWN: ECW
 CHECKED: CRB
 DATE: MARCH 3, 2017

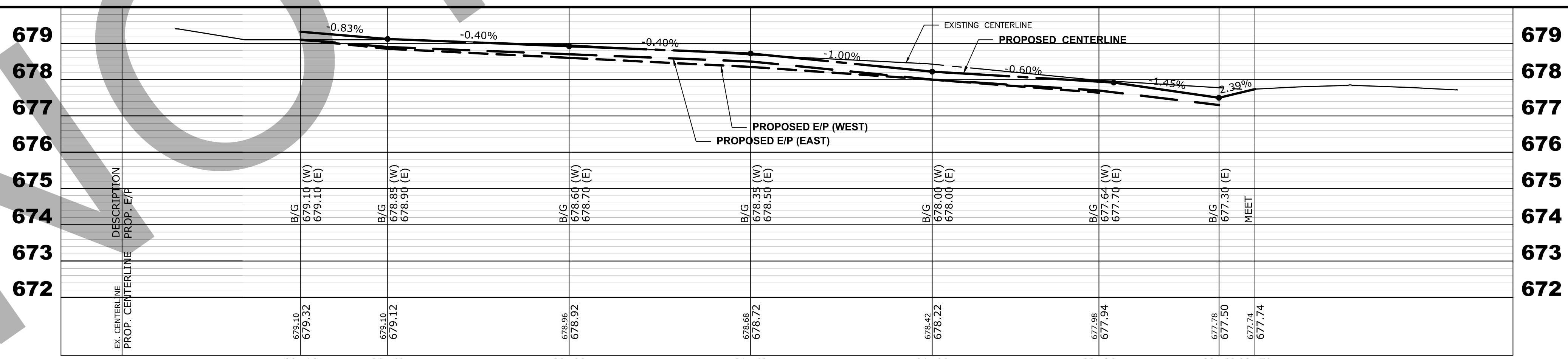
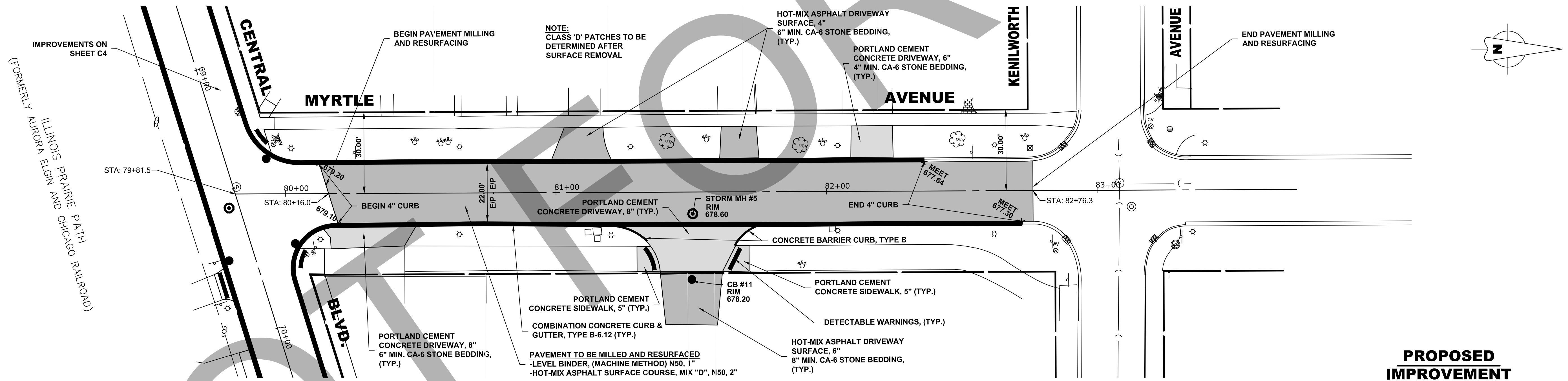
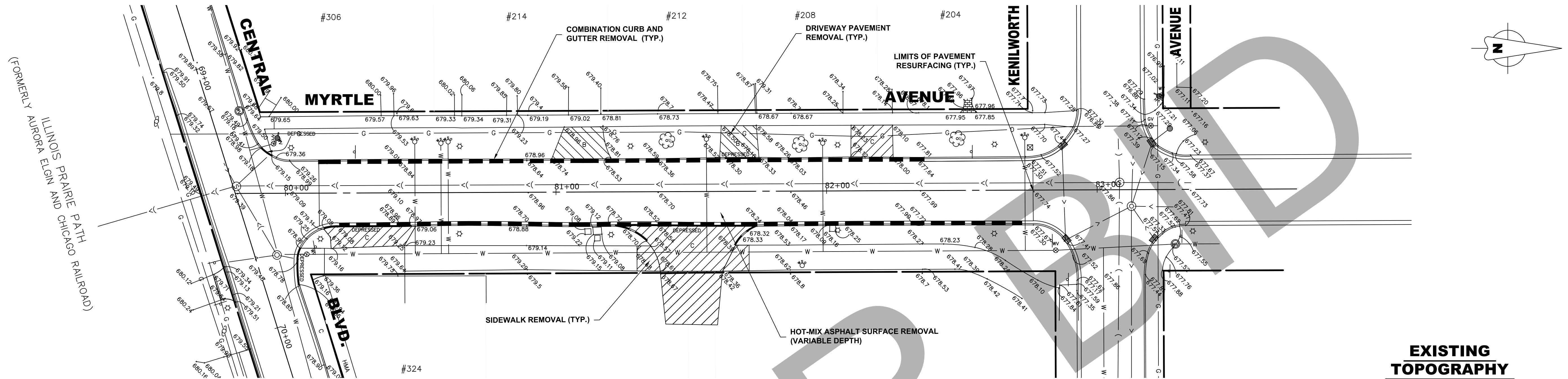


**CENTRAL BOULEVARD
 ROADWAY RECONSTRUCTION
 VILLA PARK, ILLINOIS**

**PLAN AND PROFILE
 CENTRAL AVENUE**

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL: 1" = 20'	DUPAGE	21	16
VERTICAL: 1" = 2'	STA. 71+00 TO STA. 74+32		
PROJECT NO. E.H.E. NO.: 555-16-01205			

Drawing file: C:\VilaPark_IL\1283000_Astor-Nyrtle Sewer Separation Preliminary Design\0.4_CAD\Received\Horcock Final Plans 2-23-17\Astor Nyrtle Reconst_3.dwg
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DESIGNED: CRB
 DRAWN: ECW
 CHECKED: CRB
 DATE: MARCH 3, 2017

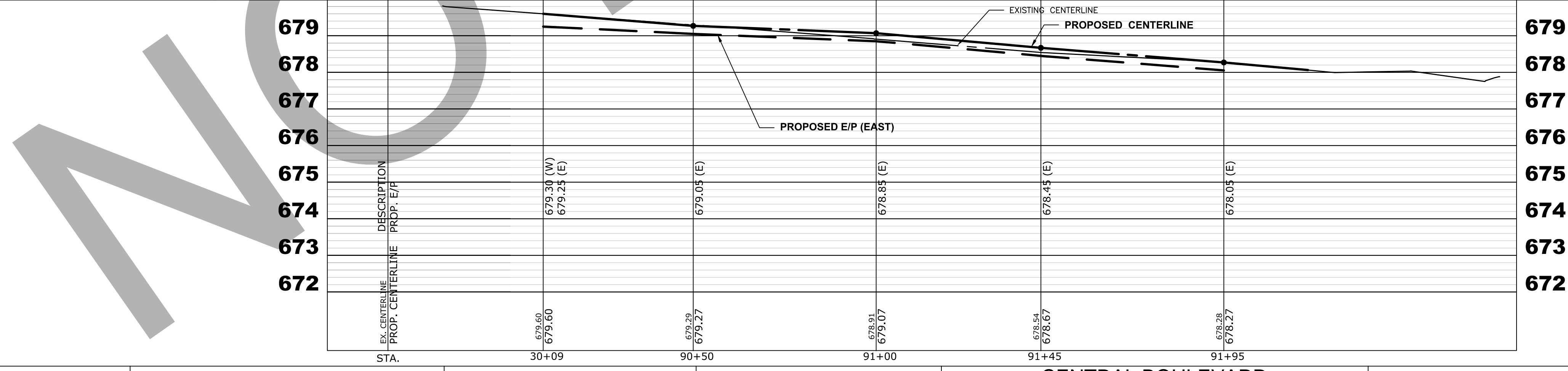
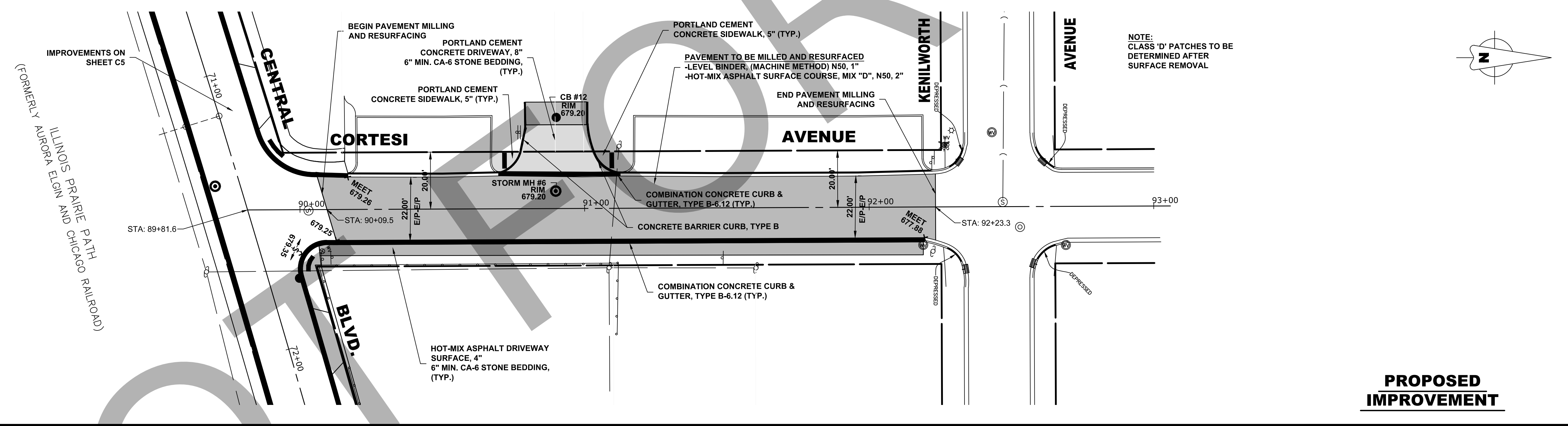
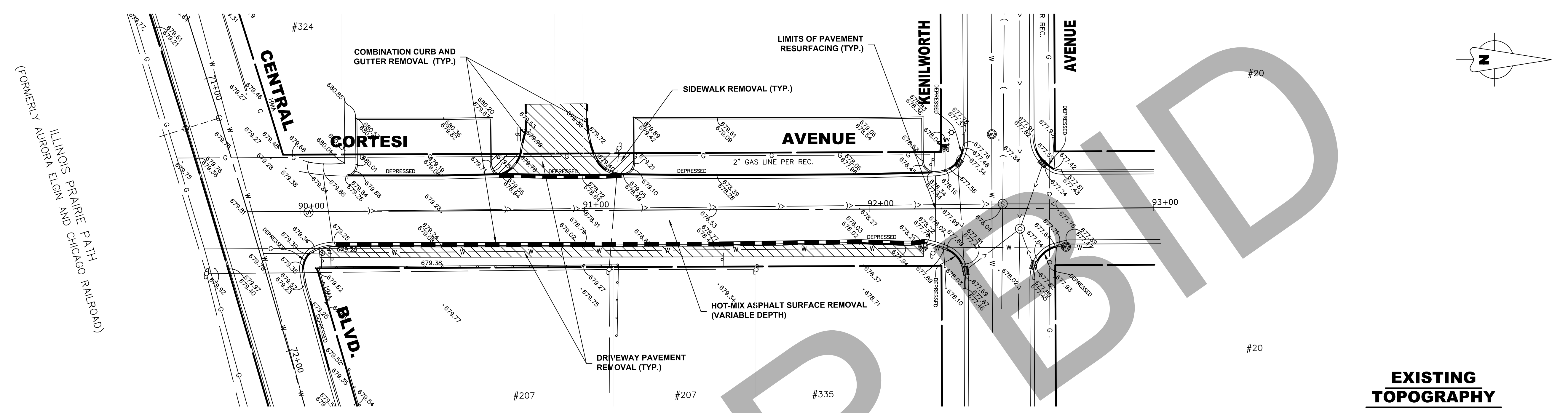


**CENTRAL BOULEVARD
 ROADWAY RECONSTRUCTION
 VILLA PARK, ILLINOIS**

**PLAN AND PROFILE
 MYRTLE AVENUE RESURFACING**

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL: 1" = 20'	DUPAGE	21	17
VERTICAL: 1" = 2'	STA. 80+16 TO STA. 82+76		
PROJECT NO. E.H.E. NO.: 555-16-01205			

Drawing file: C:\VilaPark_LL\1283000_Astor-Nyrtle Sewer Separation Preliminary Design\0.4_GAD\Received\Horcock Final Plans 2-23-17\Astor Nyrtle Reconst_3.dwg
 Feb 27, 2017 - 2:16pm



STA.	DESCRIPTION	PROP. E/P
30+09	679.60 (W) 679.60 (E)	
90+50	679.05 (E)	
91+00	678.85 (E)	
91+45	678.45 (E)	
91+95	678.05 (E)	

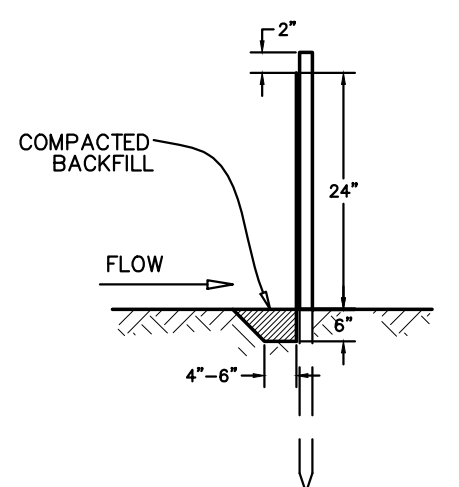
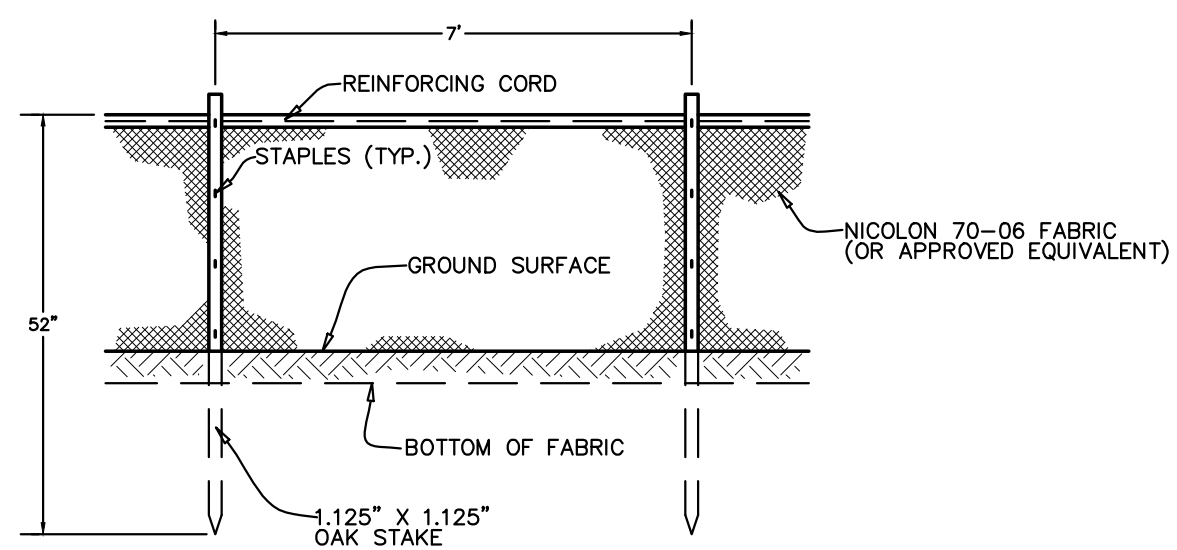
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 DRAWN: ECW
 CHECKED: CRB
 DATE: MARCH 3, 2017



CENTRAL BOULEVARD
 ROADWAY RECONSTRUCTION
 VILLA PARK, ILLINOIS

PLAN AND PROFILE
 CORTESI AVENUE RESURFACING

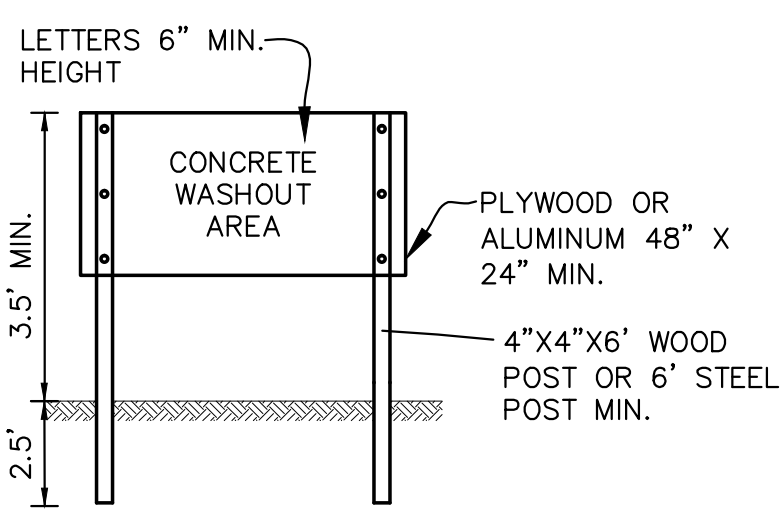
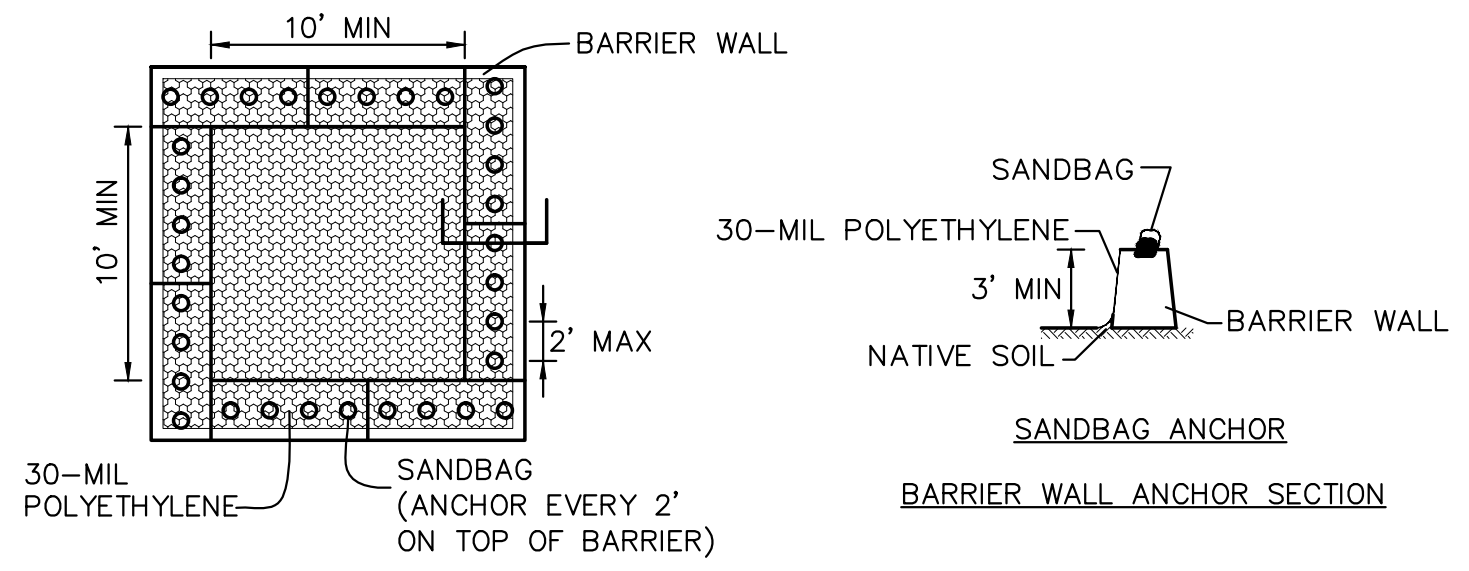
SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL: 1" = 20'	DUPAGE	21	18
VERTICAL: 1" = 2'		STA. 90+09 TO STA. 92+23	
PROJECT NO.: E.H.E. NO.: 555-16-01205			



GENERAL NOTES:

- SILT FENCE SHALL BE MAINTAINED UNTIL THE AREA TRIBUTARY TO THE STRUCTURE HAS STABILIZED GROUND COVER, AS DETERMINED BY THE VILLAGE ENGINEER.

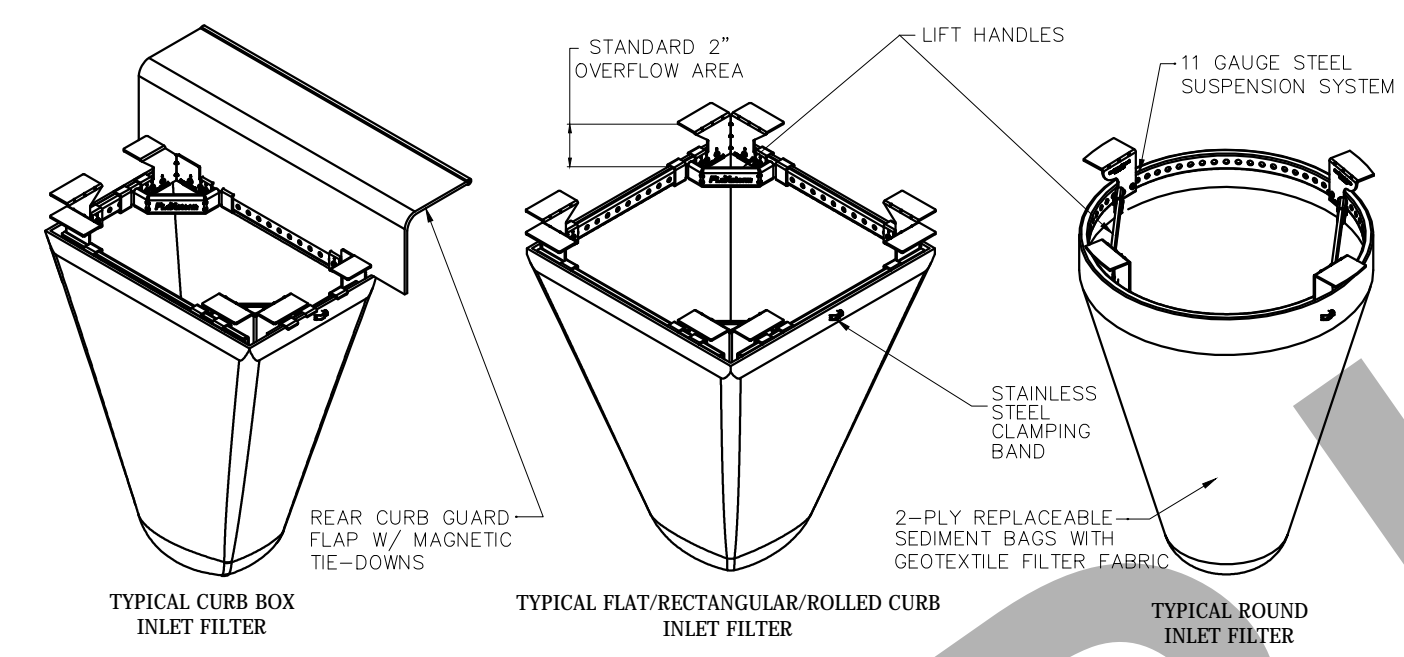
PERIMETER EROSION BARRIER INSTALLATION



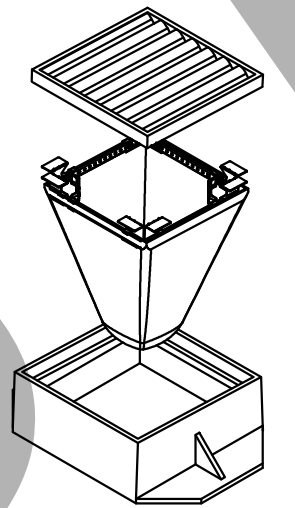
NOTES:

- MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
- FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

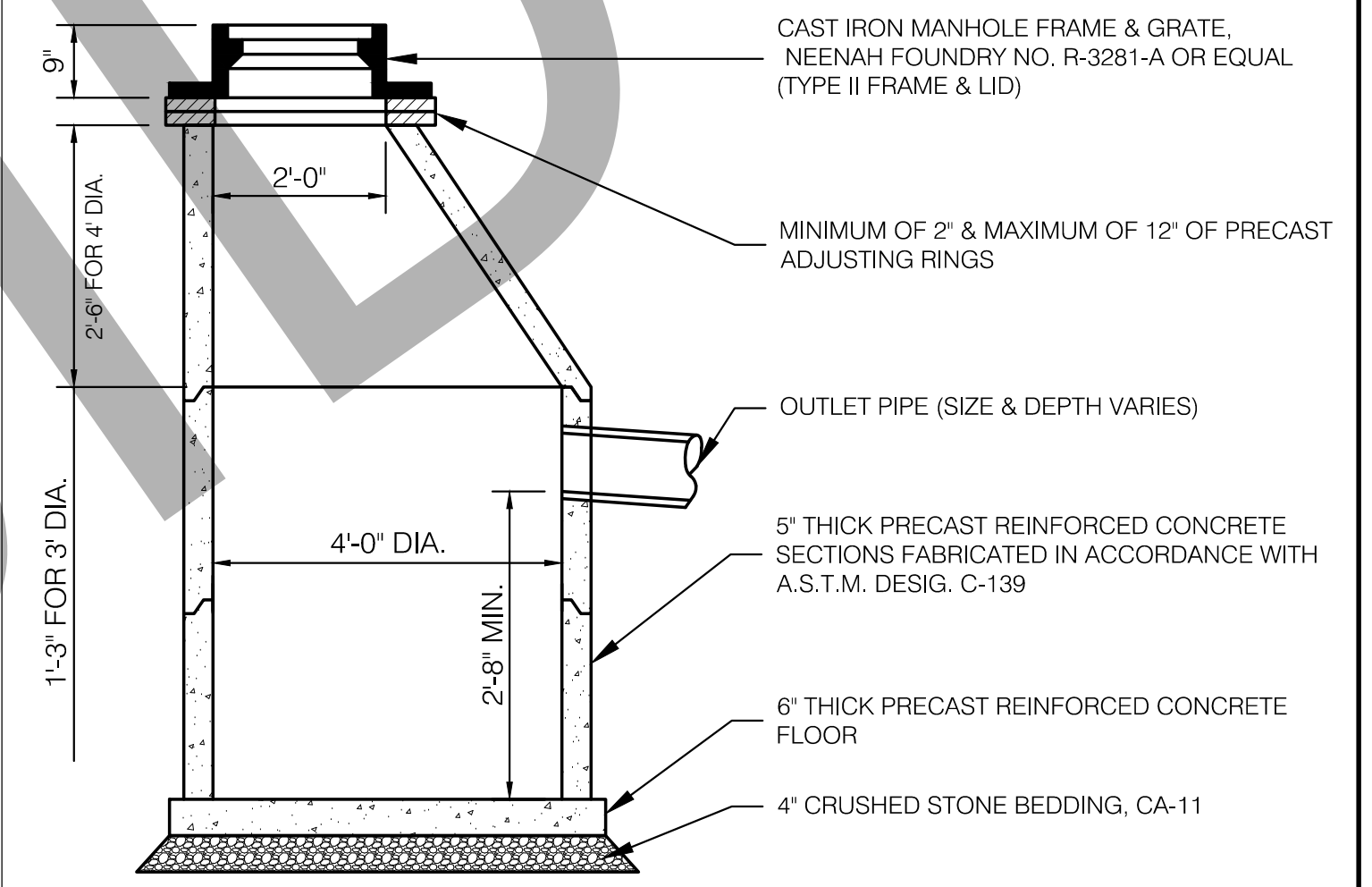
TEMPORARY CONCRETE WASHOUT FACILITY NTS



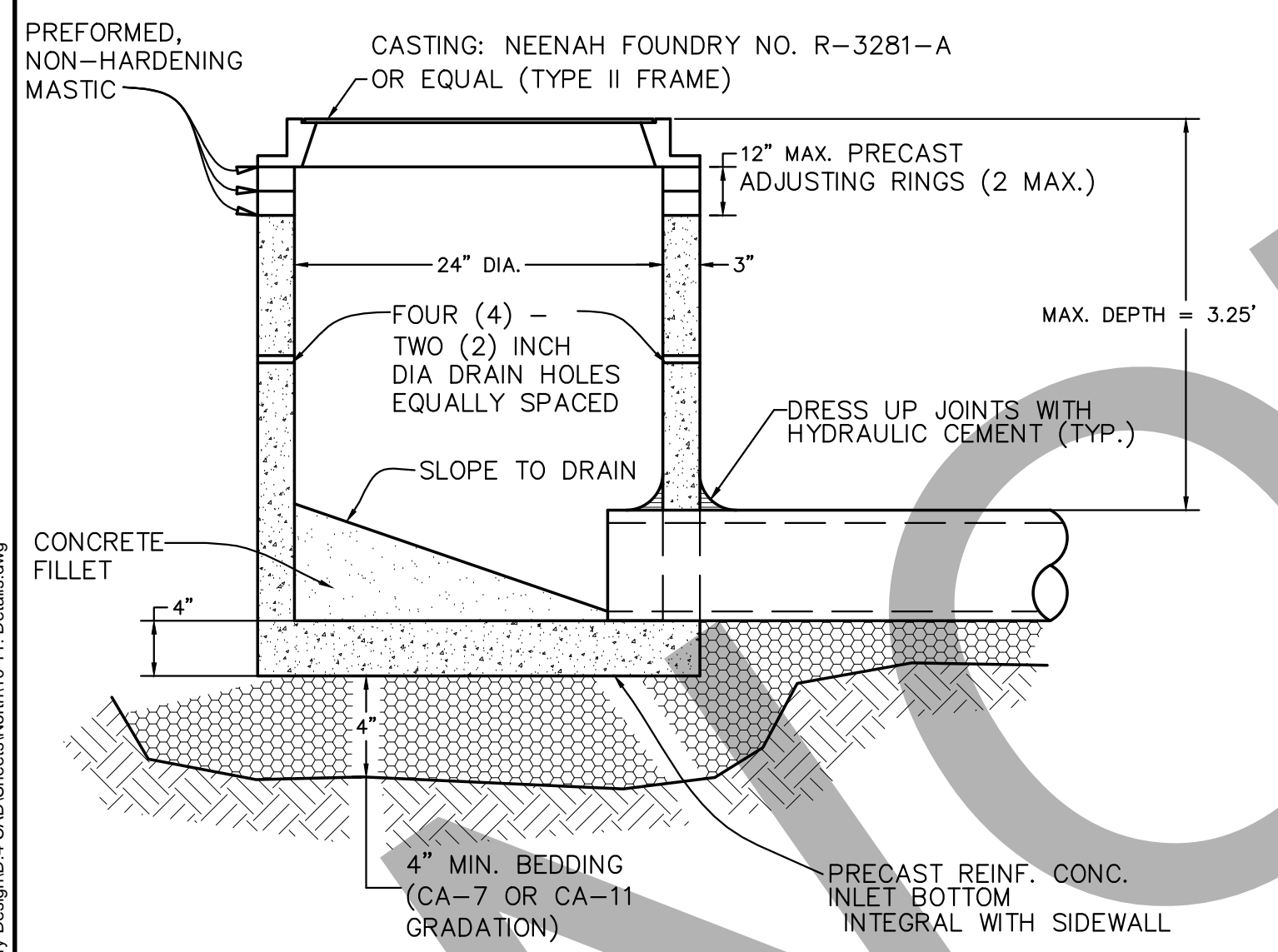
IDOT Inlet Filter Specifications		
Material Property	Test Method	Value (min/eval)
NonWoven Geotextile Inlet Filter Bag Specs (2 1/2' min eval)		
Grab Tensile	ASTM D 4632	500 lbs
Puncture Strength	ASTM D 4633	600 lbs
Transverse Tear	ASTM D 4633	45 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs
App. Open Size (AOS)	ASTM D 4751	70 sieve (1.212mm)
Permeability	ASTM D 4491	2.0 sec
Water Flow Rate	ASTM D 4491	540 gpm/sq ft
Polyester Outer Reinforcement Bag Specifications		
Weight	ASTM D 3775	1.85 oz/sq yd +/- 15%
Thickness	ASTM D 3775	0.004 +/- .005
Frame Construction		
A36 Structural Steel - E1		Tensile Strength > 58,000 psi Yield Strength > 36,000 psi
Galv. Zinc Plated	ASTM A 576	



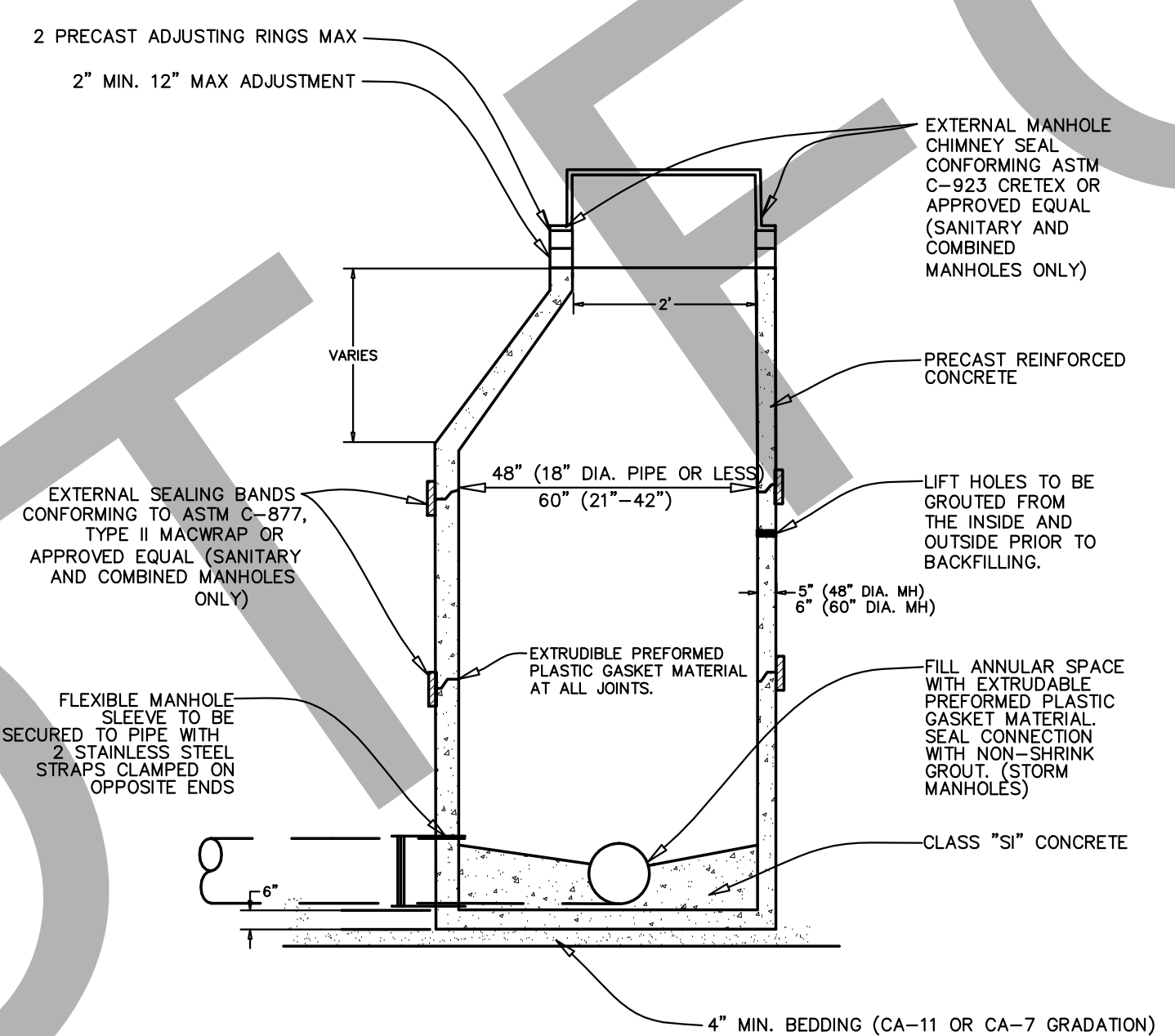
DRAINAGE STRUCTURE PROTECTION NTS



CATCH BASIN, TYPE A NTS



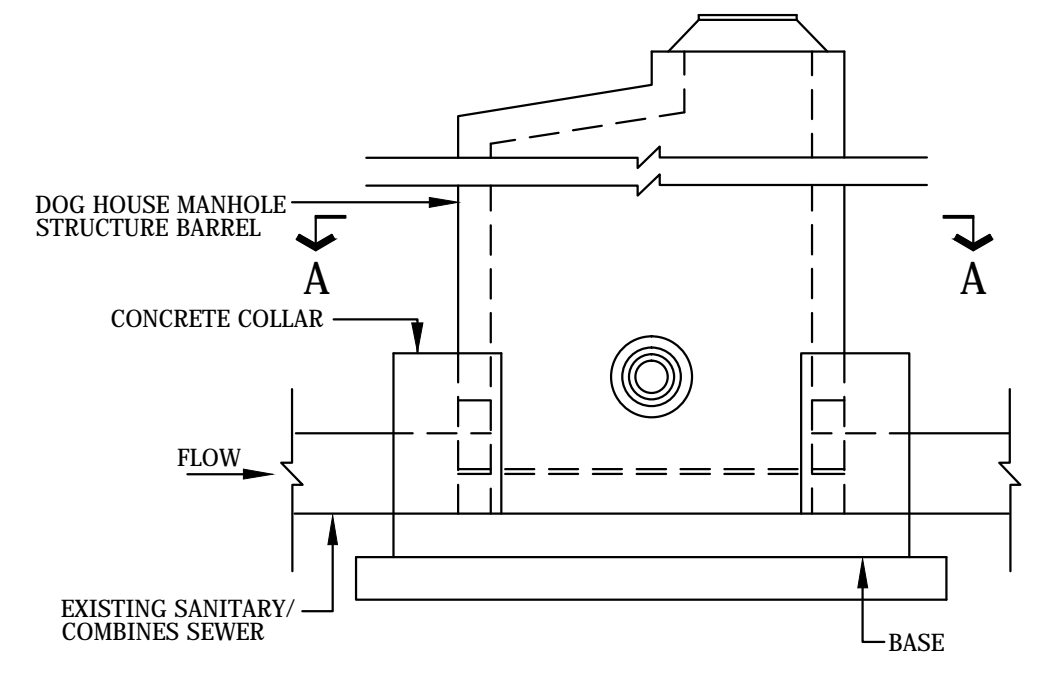
INLET, TYPE A NTS



GENERAL NOTES:

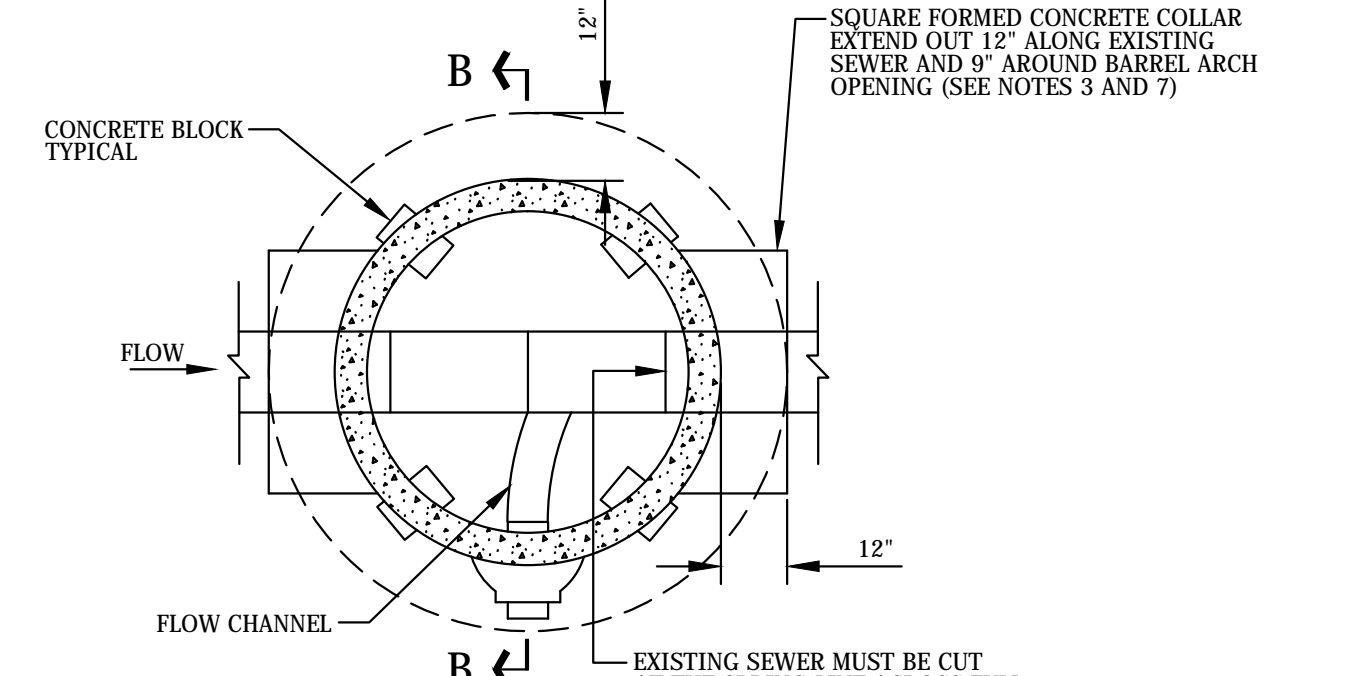
- SANITARY MANHOLE: TYPE 1 FRAME, CLOSED LID COVER: NEENAH R-1713. COVER SHALL BE MARKED: "SANITARY" AND "VILLAGE OF VILLA PARK". RESTRICTED DEPTH CATCH BASIN: TYPE 11 FRAME AND GRATE: NEENAH R-3281-A. STORM MANHOLE: TYPE 1 FRAME, CLOSED LID COVER: NEENAH R-1713. COVER SHALL BE MARKED: "SANITARY" AND "VILLAGE OF VILLA PARK".
- ALL LIFT HOLES ARE TO BE GROUTED FROM INSIDE AND OUTSIDE BEFORE BACKFILLING.
- ALL MANHOLE SECTIONS SHALL BE SUPPLIED WITH CONSEAL CS-55 OR APPROVED EQUAL.

STANDARD MANHOLE NTS

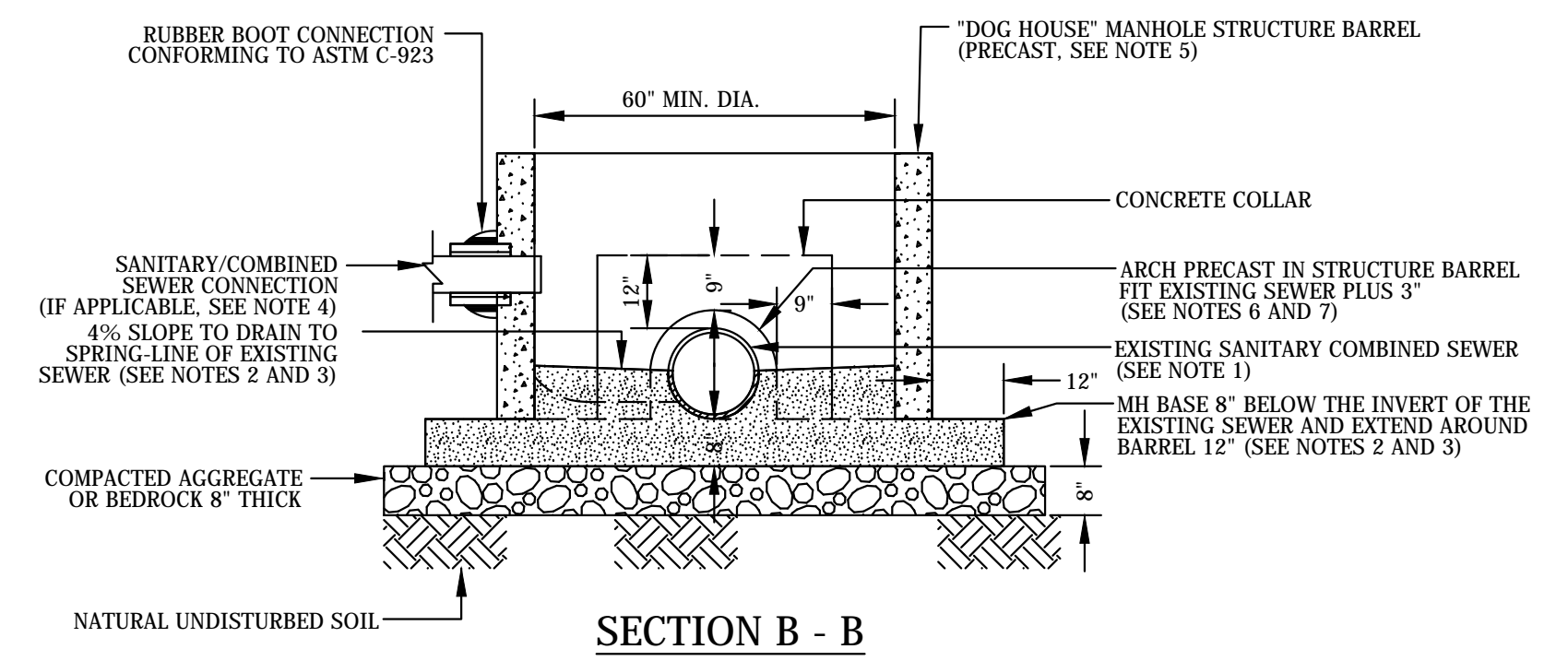


DOG HOUSE MANHOLE PROFILE

- NOTES:**
- EXISTING SANITARY OR COMBINED SEWER MUST BE 15" DIAMETER OR LARGER FOR "DOG HOUSE" MANHOLE USE.
 - INTEGRAL POUR FOR BASE AND BENCH. (NO PRECAST BASE)
 - ALL POURED-IN-PLACE CONCRETE MUST BE 4000 PSI NON-SHRINK MIX.
 - EXTERNAL DROP CONNECTION MUST BE PROVIDED IF INVERT OF CONNECTING SEWER IS 24" OR MORE ABOVE THE INVERT OF OUTLET.
 - MANHOLE DIAMETER MINIMUM 60" INCREASES BASED ON THE EXISTING SEWER DIAMETER.
 - CONCRETE BONDING AGENT MUST BE APPLIED TO ALL INTERFACES OF PRECAST CONCRETE SURFACES WITH POURED-IN-PLACE CONCRETE.
 - A CURVED INTERNAL ARCH FORM MUST BE USED DURING COLLAR CONCRETE FILL. NO BRICK, MORTAR, OR DEBRIS IS TO BE USED IN PLACE OF CONSOLIDATED CONCRETE.
 - DEBRIS MUST NOT BE ALLOWED TO ENTER THE SEWER SYSTEM AT ANY TIME DURING CONSTRUCTION.
 - ALL DIMENSIONS NOTED ARE MINIMUM ALLOWED.
 - THE STRUCTURE MUST NOT BE BACKFILLED FOR A MINIMUM OF 24 HOURS AFTER CONSTRUCTION.
 - PUMPING IN LIEU OF "DOG HOUSE" MANHOLE UPON ENGINEER AND INSPECTOR APPROVAL.



SECTION A - A



SECTION B - B

DOGHOUSE MANHOLE NTS

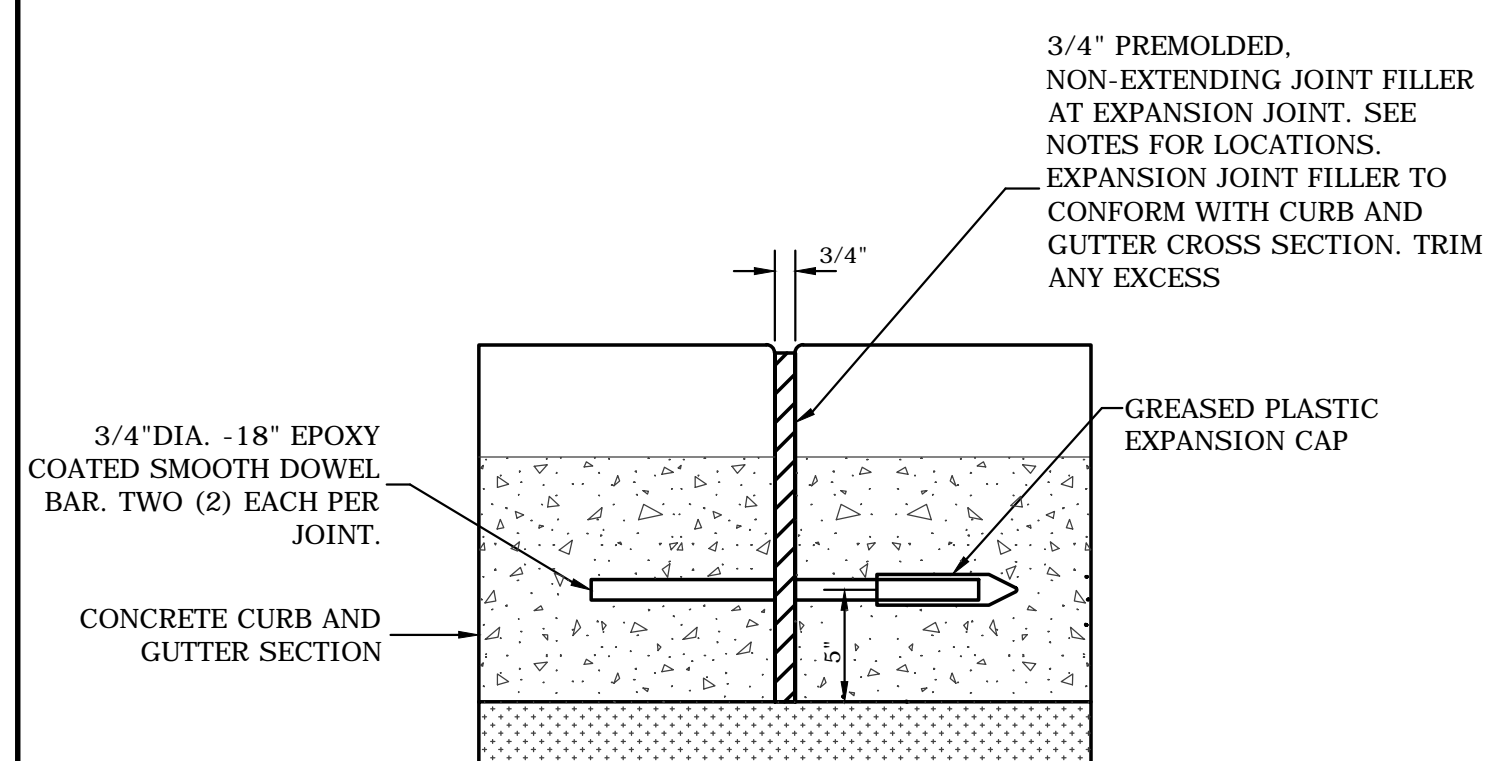
DESIGNED: Y GALLIN
DRAWN: R JOHNSON
CHECKED: C MORLEY
DATE: MARCH 3, 2017



CENTRAL BOULEVARD IMPROVEMENTS

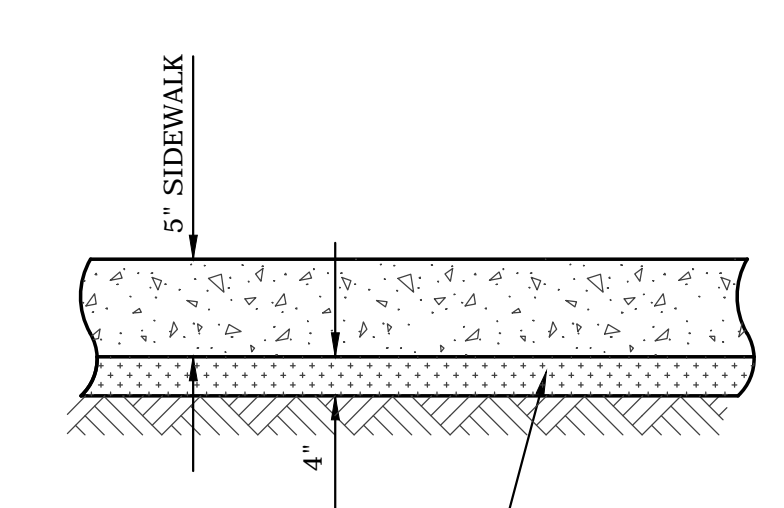
DETAILS 1

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL: -	DUPAGE	21	19
VERTICAL: -	STA. - TO STA. -		
PROJECT NO. 11-2830-00			



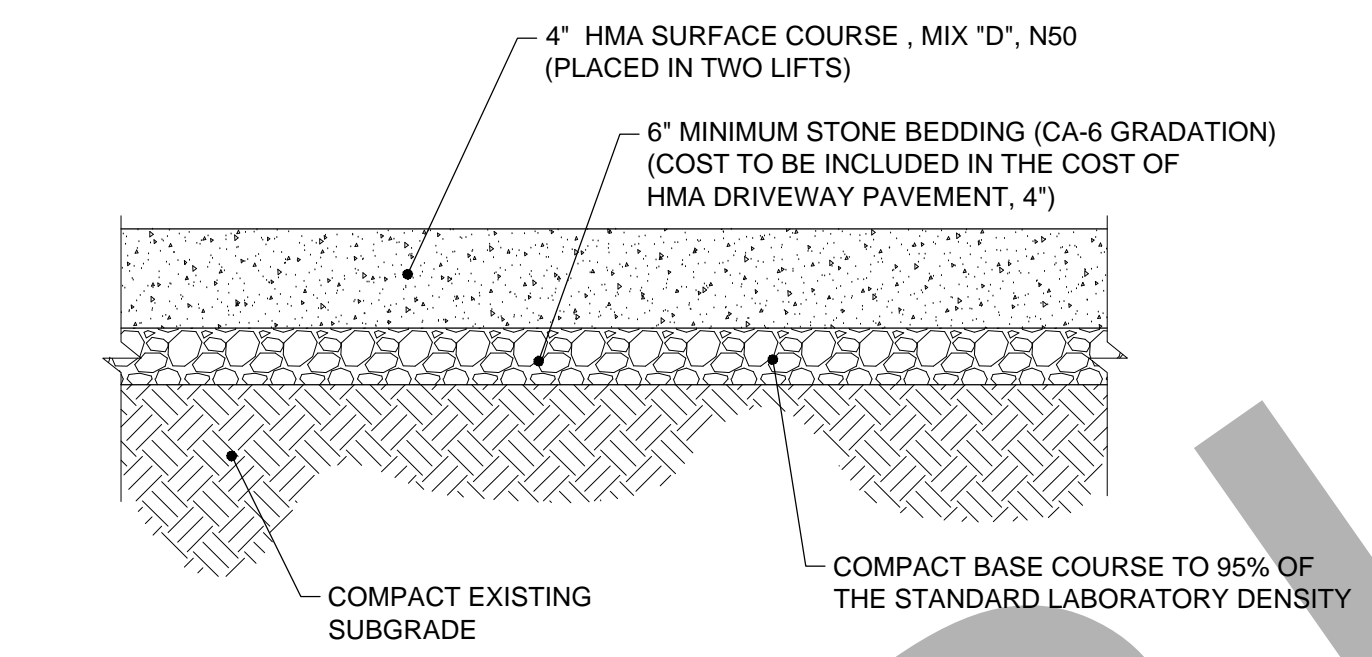
NOTE:
 1. EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL PC'S AND PT'S OF INTERSECTION RETURNS AND ALL OTHER SHORT RADIUS SECTIONS. CONSTRUCTION JOINTS & AS DIRECTED BY THE ENGINEER NOT TO EXCEED 60\".

TYPICAL CURB AND GUTTER EXPANSION JOINT
 NTS

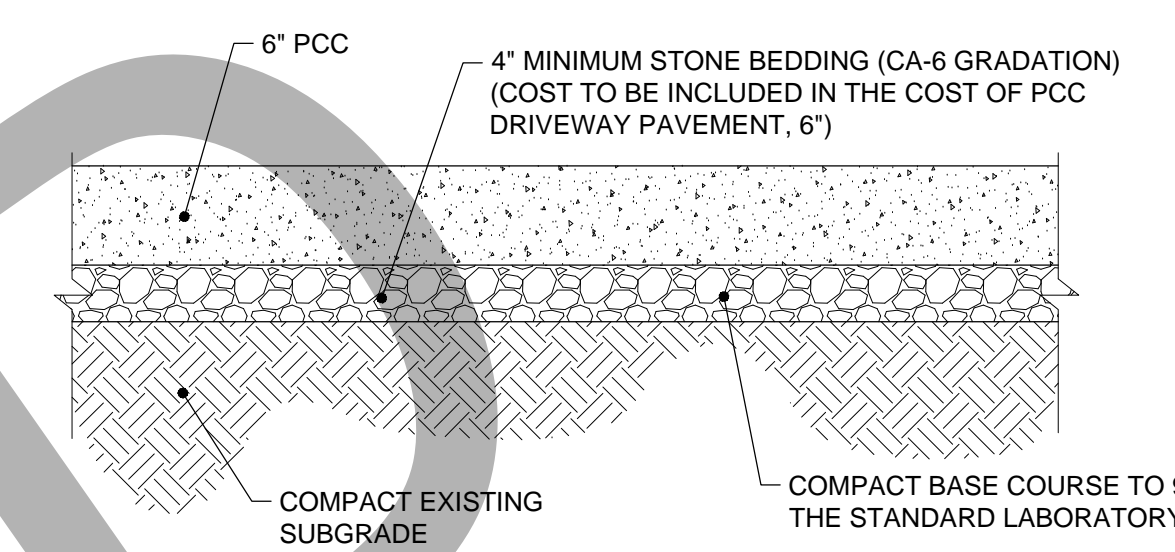


CRUSHED STONE CUSHION
 (COST TO BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SIDEWALK, 5\")

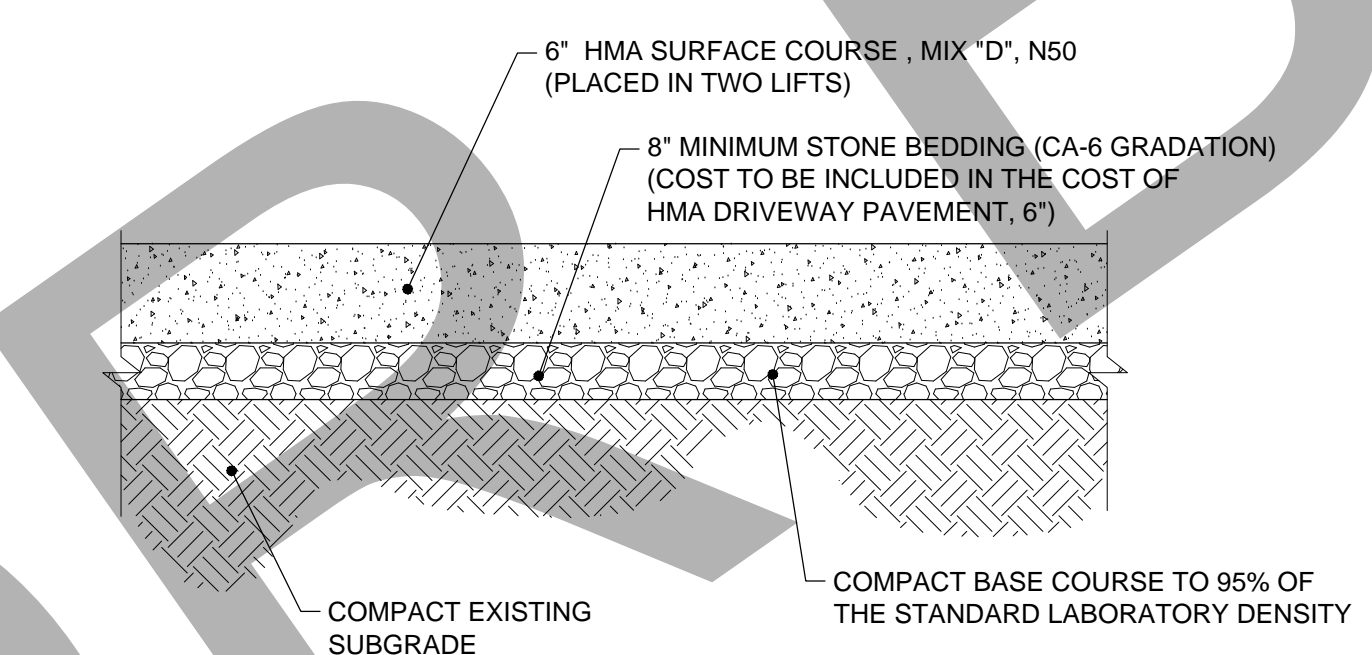
PORTLAND CONCRETE CEMENT (PCC) SIDEWALK, 5\"
 NTS



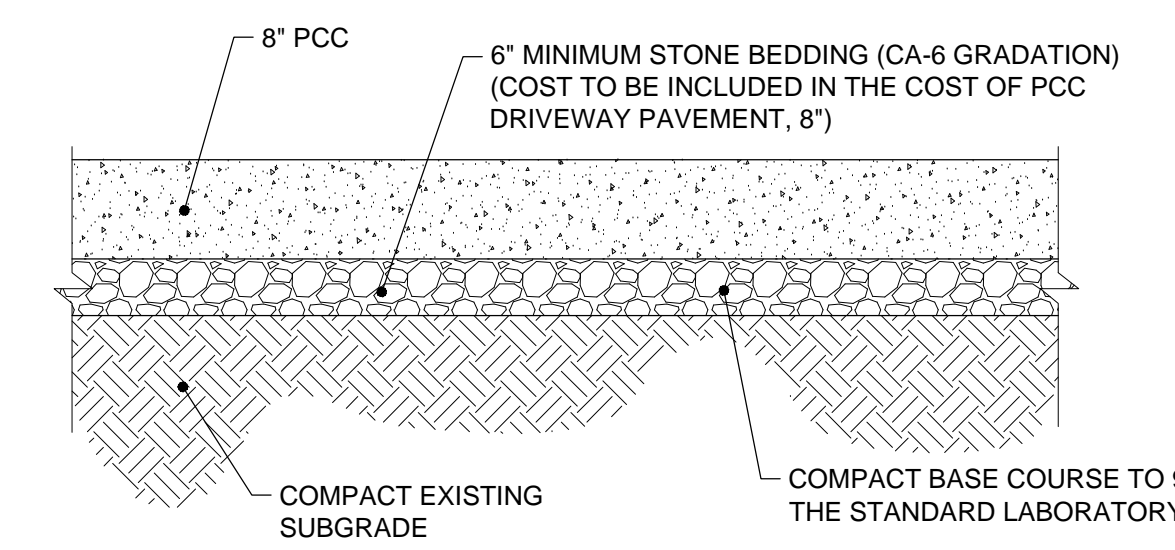
RESIDENTIAL HOT MIX ASPHALT (HMA) DRIVEWAY PAVEMENT, 4\"
 NTS



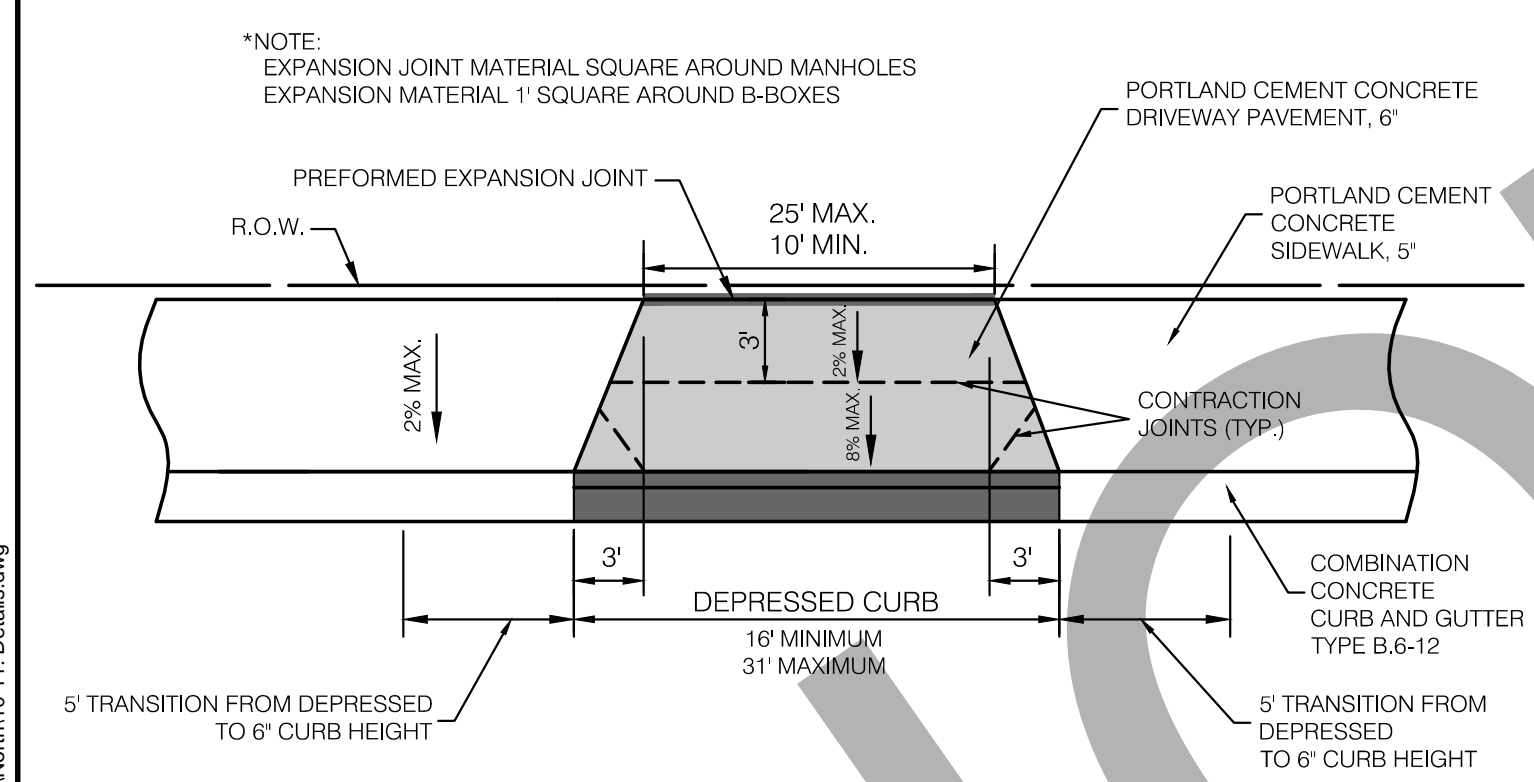
COMMERCIAL PORTLAND CONCRETE CEMENT (PCC) DRIVEWAY PAVEMENT, 6\"
 NTS



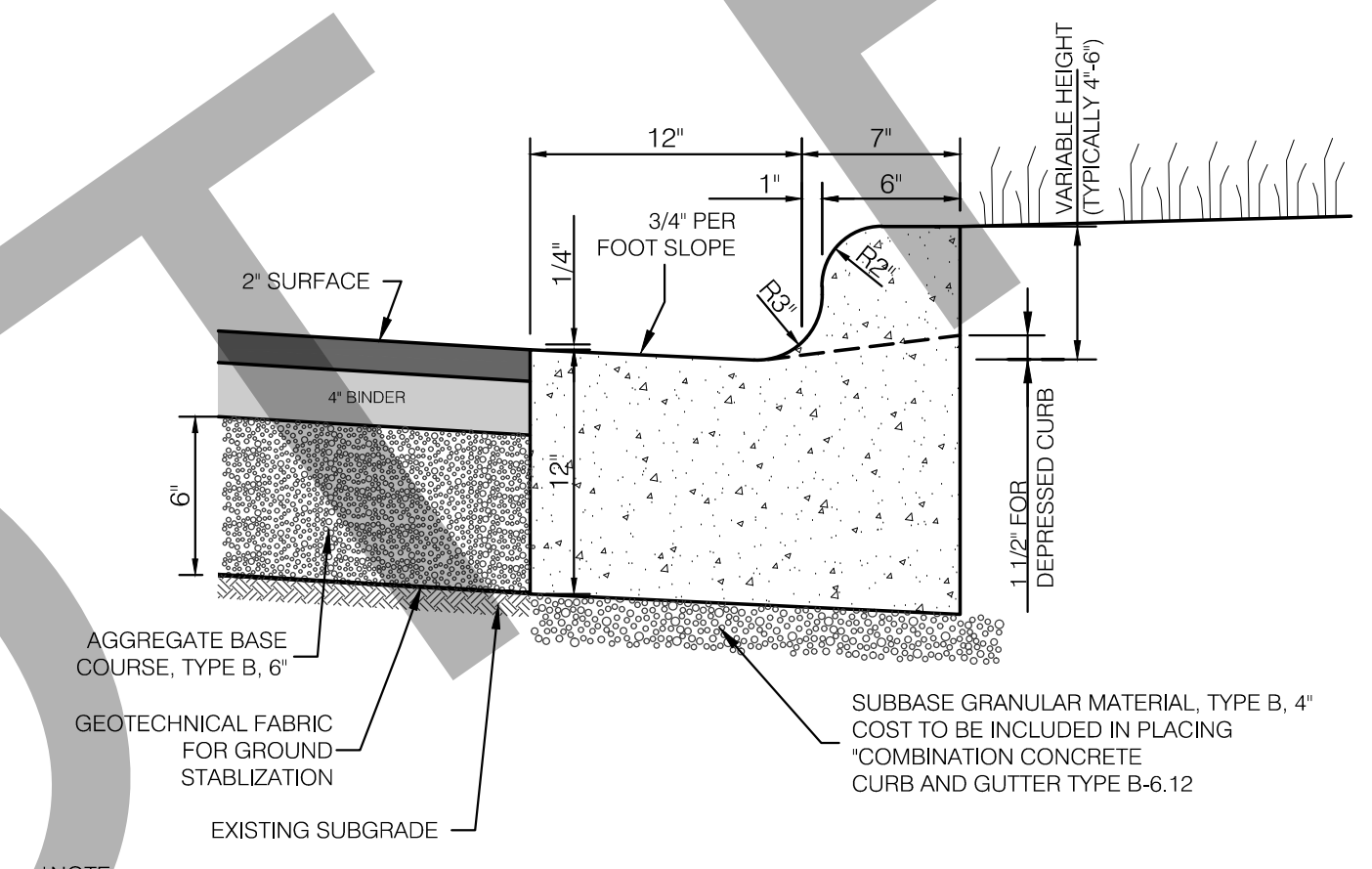
RESIDENTIAL HOT MIX ASPHALT (HMA) DRIVEWAY PAVEMENT, 6\"
 NTS



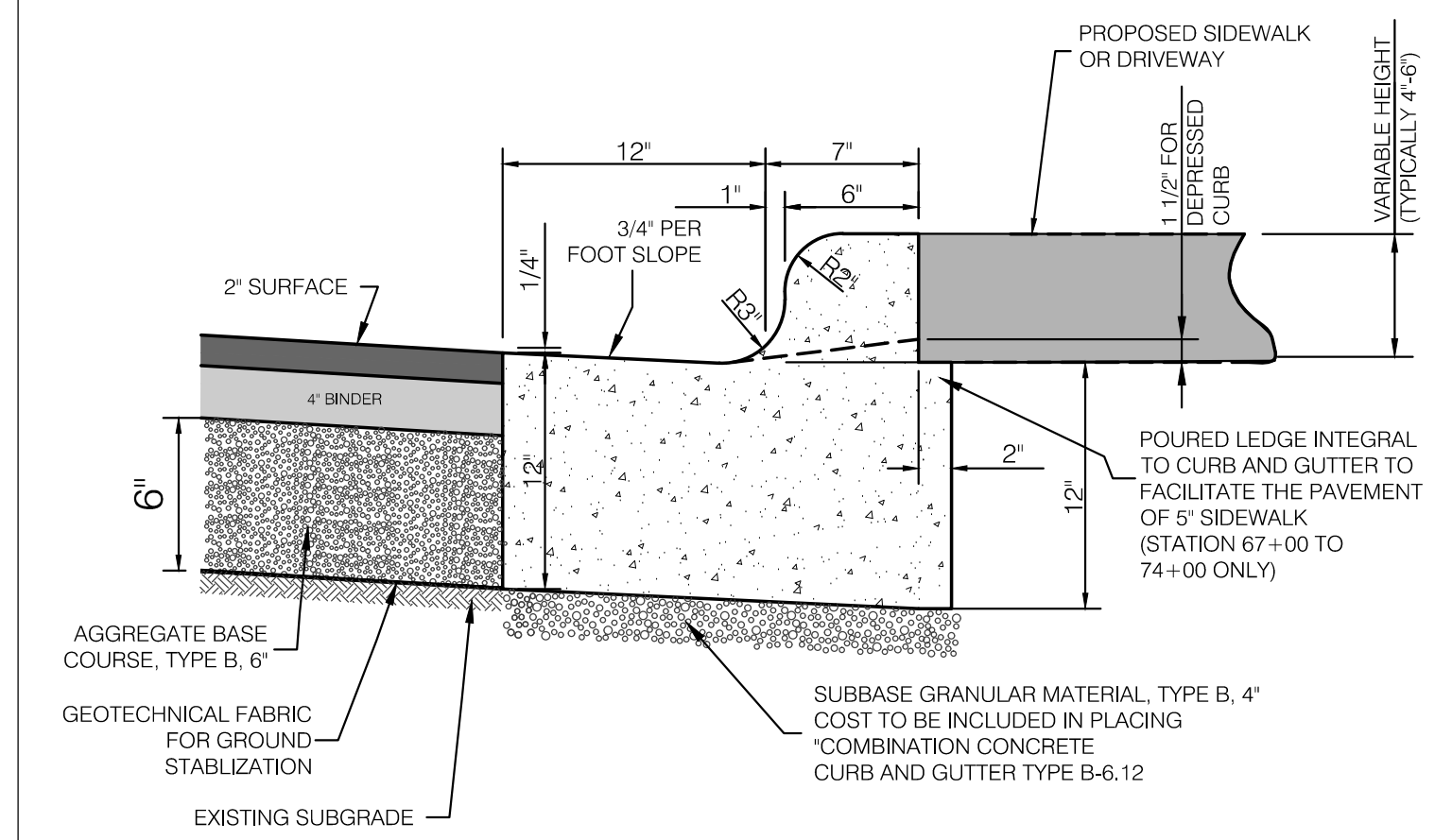
COMMERCIAL PORTLAND CONCRETE CEMENT (PCC) DRIVEWAY PAVEMENT, 8\"
 NTS



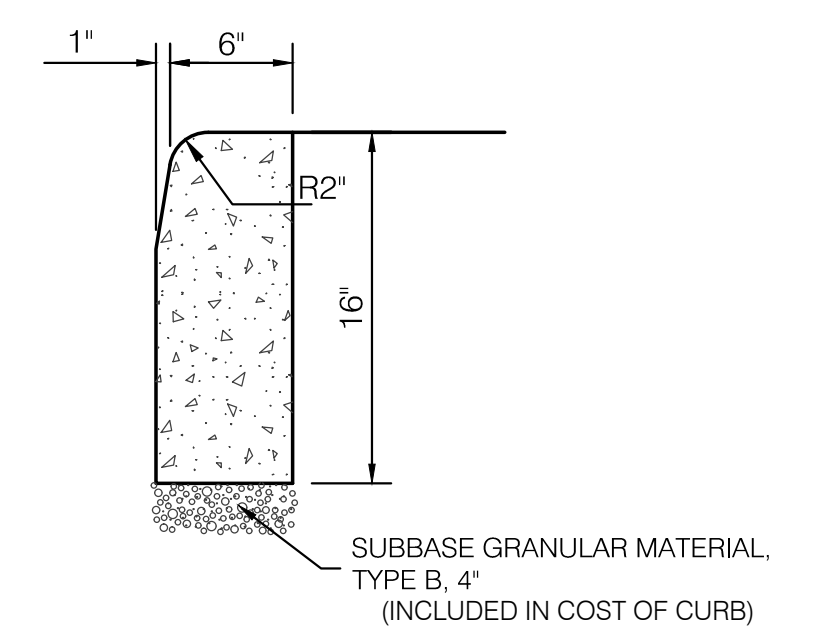
DRIVEWAY DETAIL (STATION 67+00 TO 74+00)
 NTS



COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12
 NTS



COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (FOR INSTALLATION IN FRONT OF PROPOSED S/W)
 NTS



CONCRETE CURB, TYPE B
 NTS

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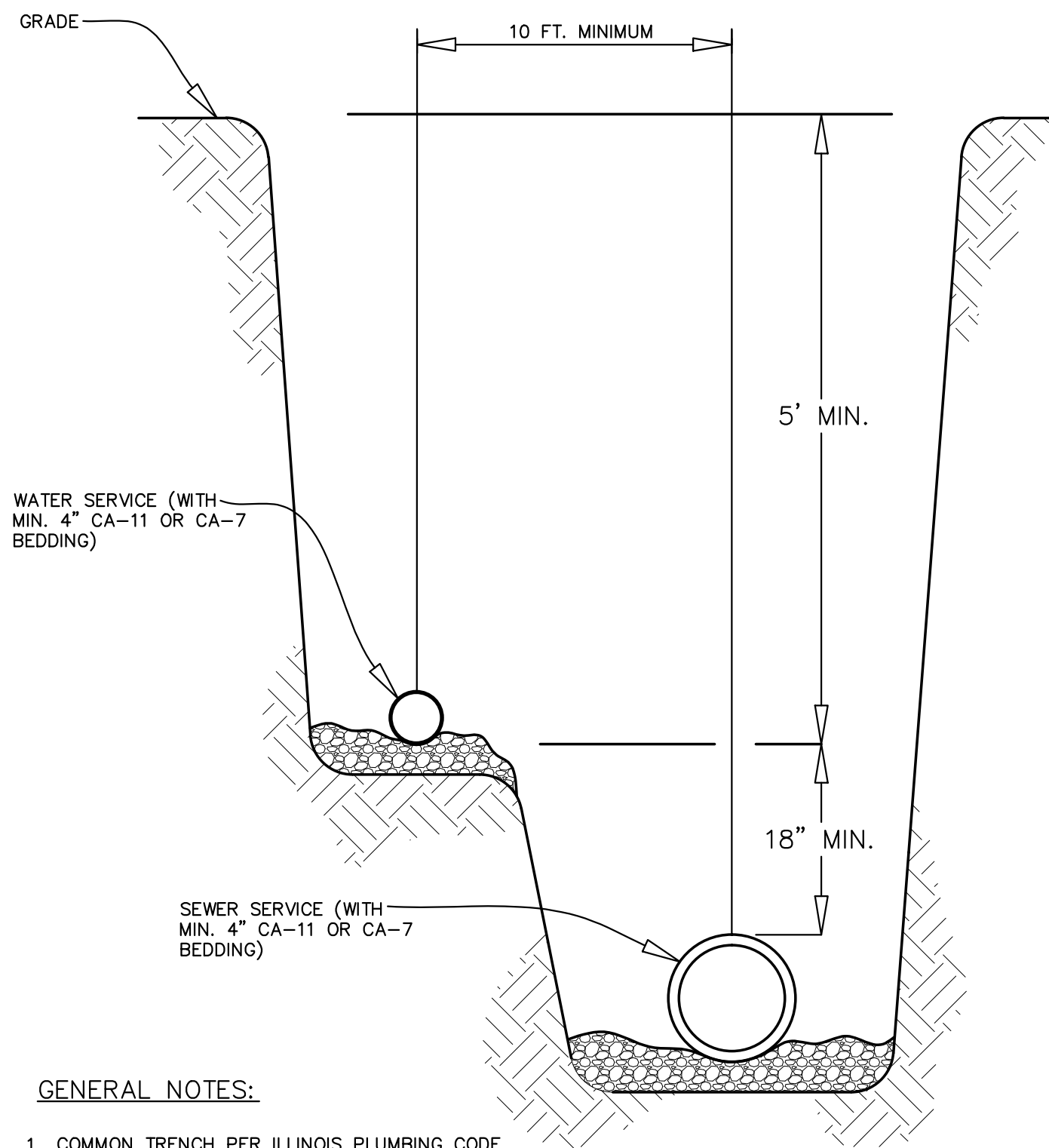
DESIGNED: Y GALLIN
DRAWN: R JOHNSON
CHECKED: C MORLEY
DATE: MARCH 3, 2017



CENTRAL BOULEVARD IMPROVEMENTS

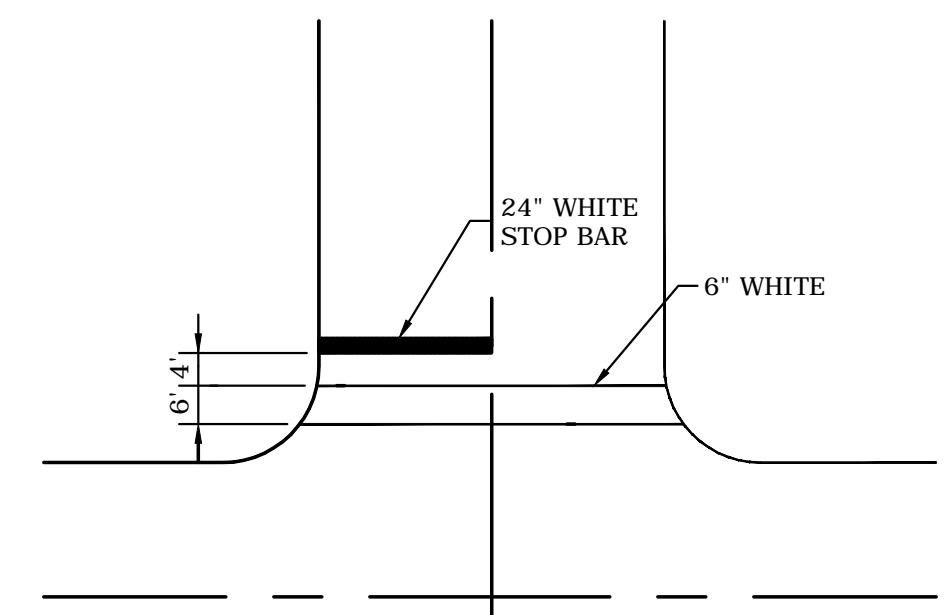
DETAILS 2

SCALES		COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL: -	DUPAGE	21	20	
VERTICAL: -	STA. - TO STA. -			
PROJECT NO. 11-2830-00				

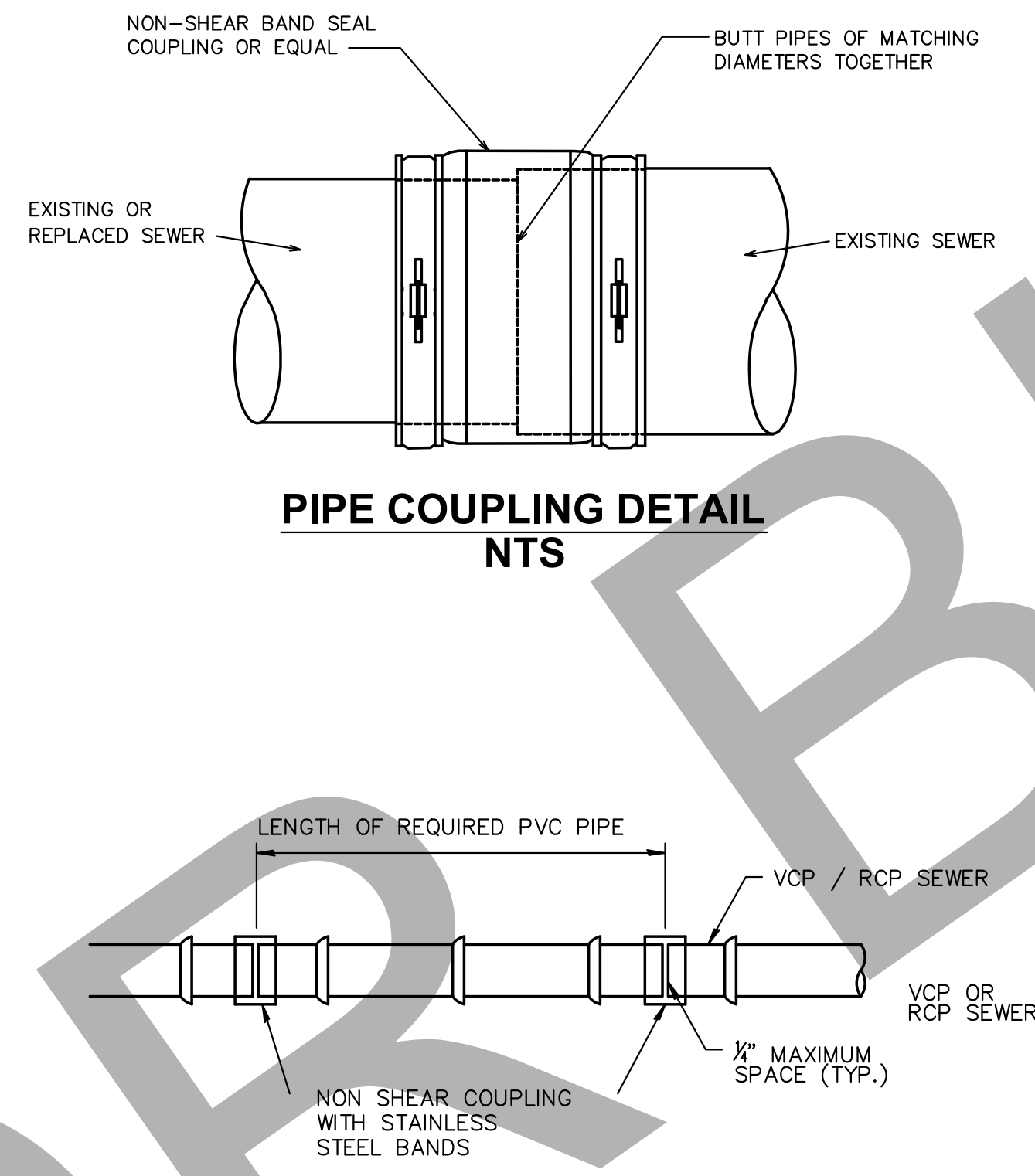


GENERAL NOTES:
1. COMMON TRENCH PER ILLINOIS PLUMBING CODE

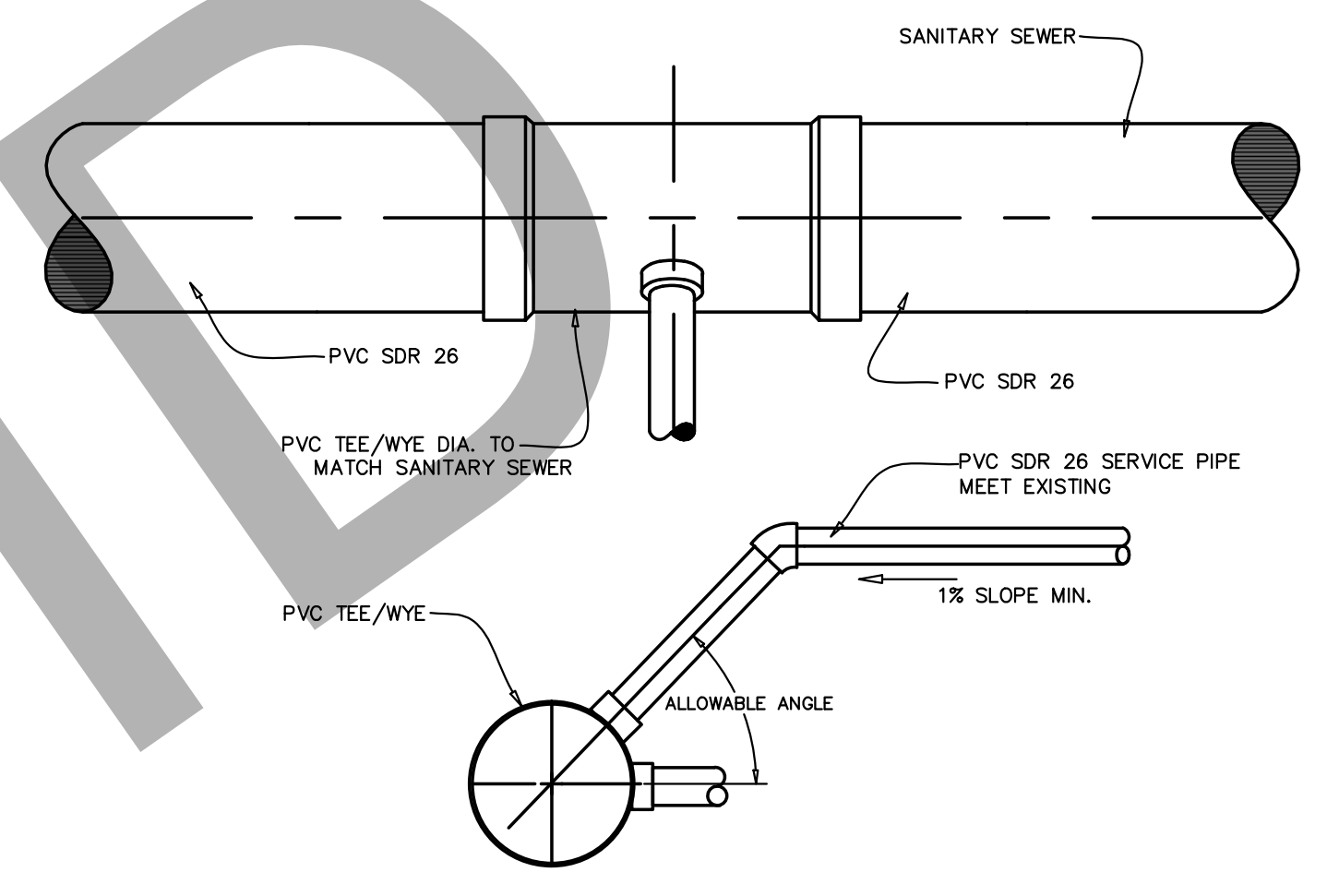
WATER AND SEWER SERVICE SEPARATION
NTS



CROSSWALK & STOP BAR DETAIL
NTS

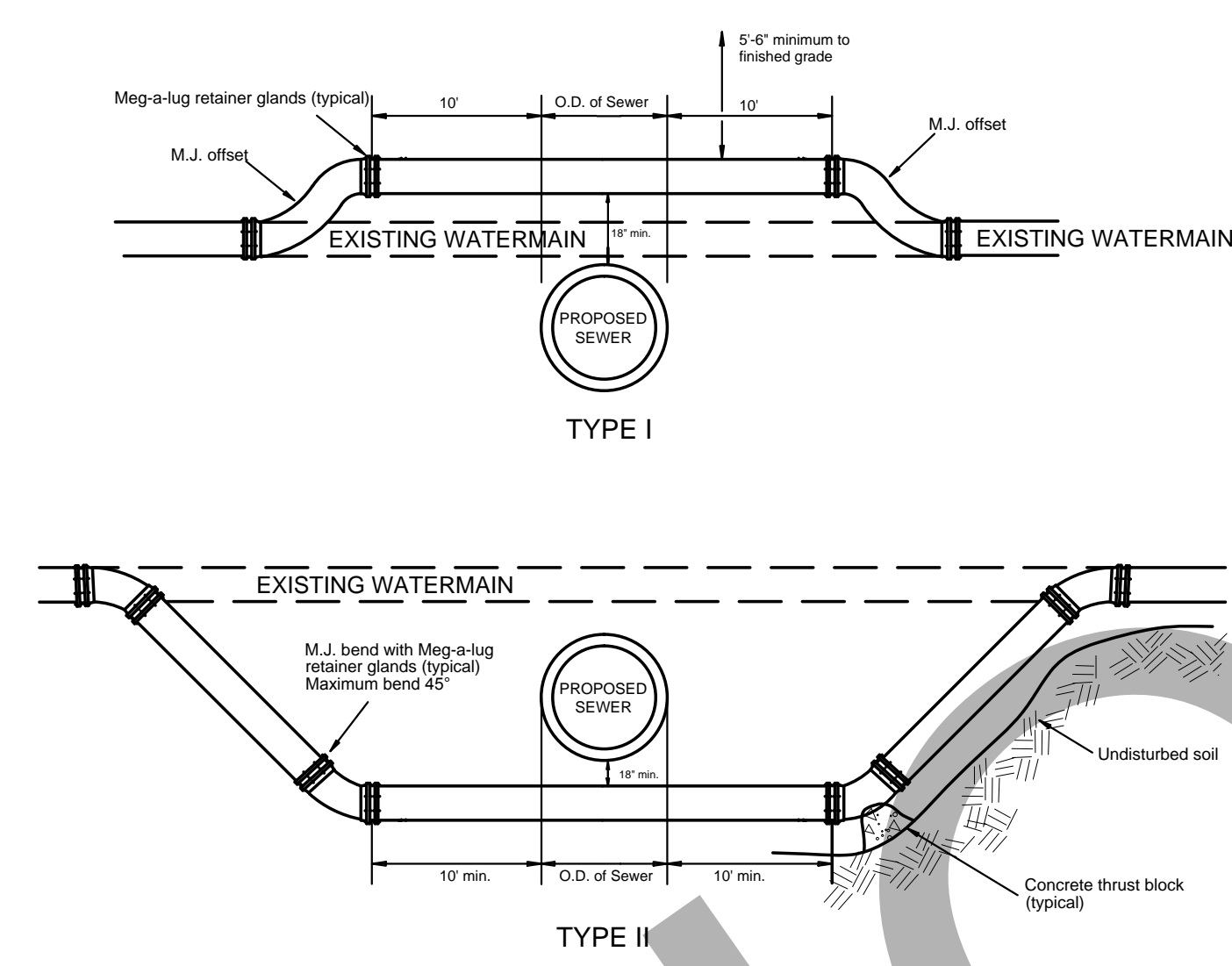


CONNECTING SEWER PIPES OF DISSIMILAR MATERIAL
NTS



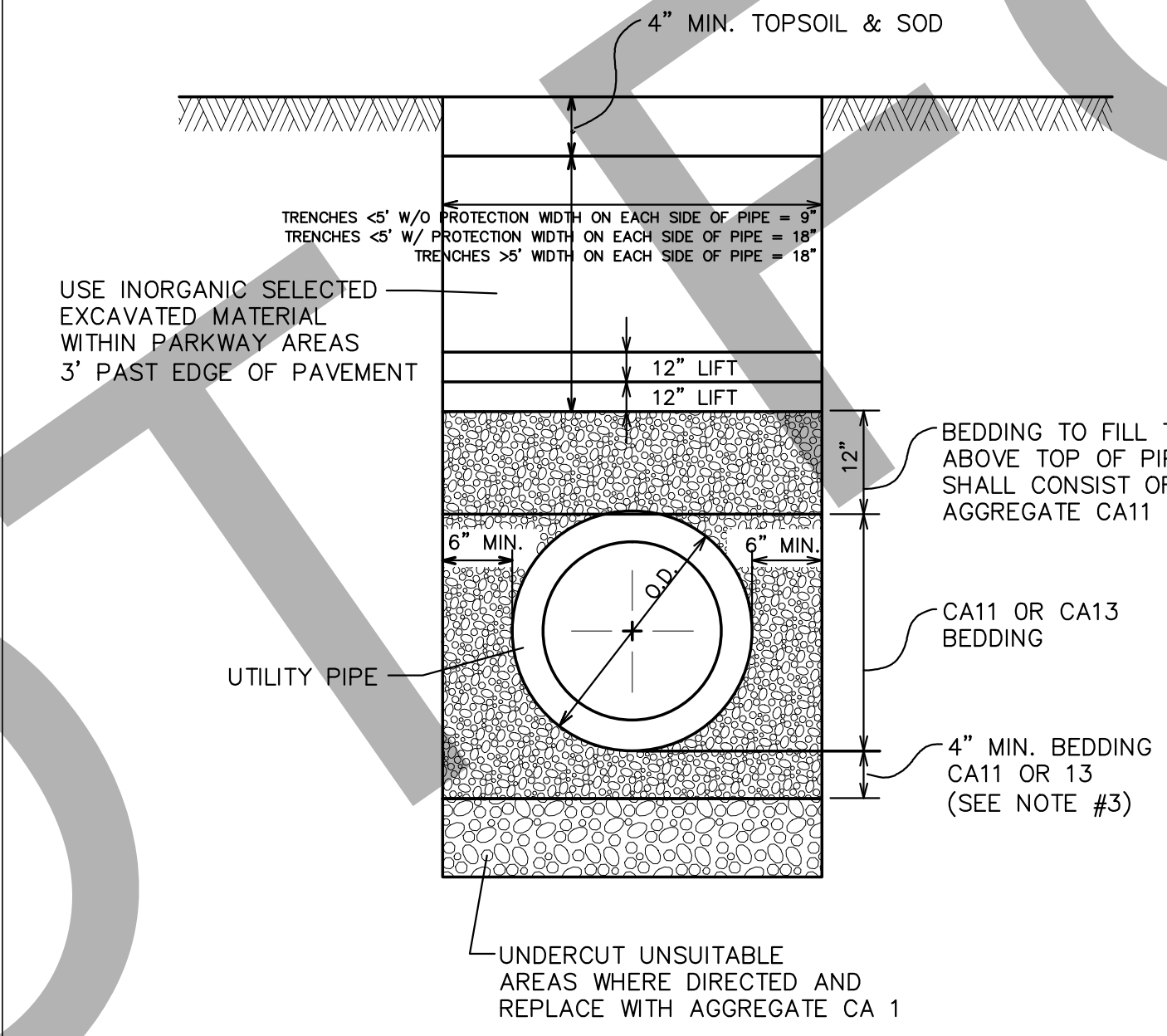
GENERAL NOTES:
1. TEE/WYE CAN BE INSTALLED ONLY DURING NEW SEWER INSTALLATION
2. CONTRACTOR MAY USE A TEE OR A WYE AT HIS OPTION

SANITARY TEE / WYE
NTS



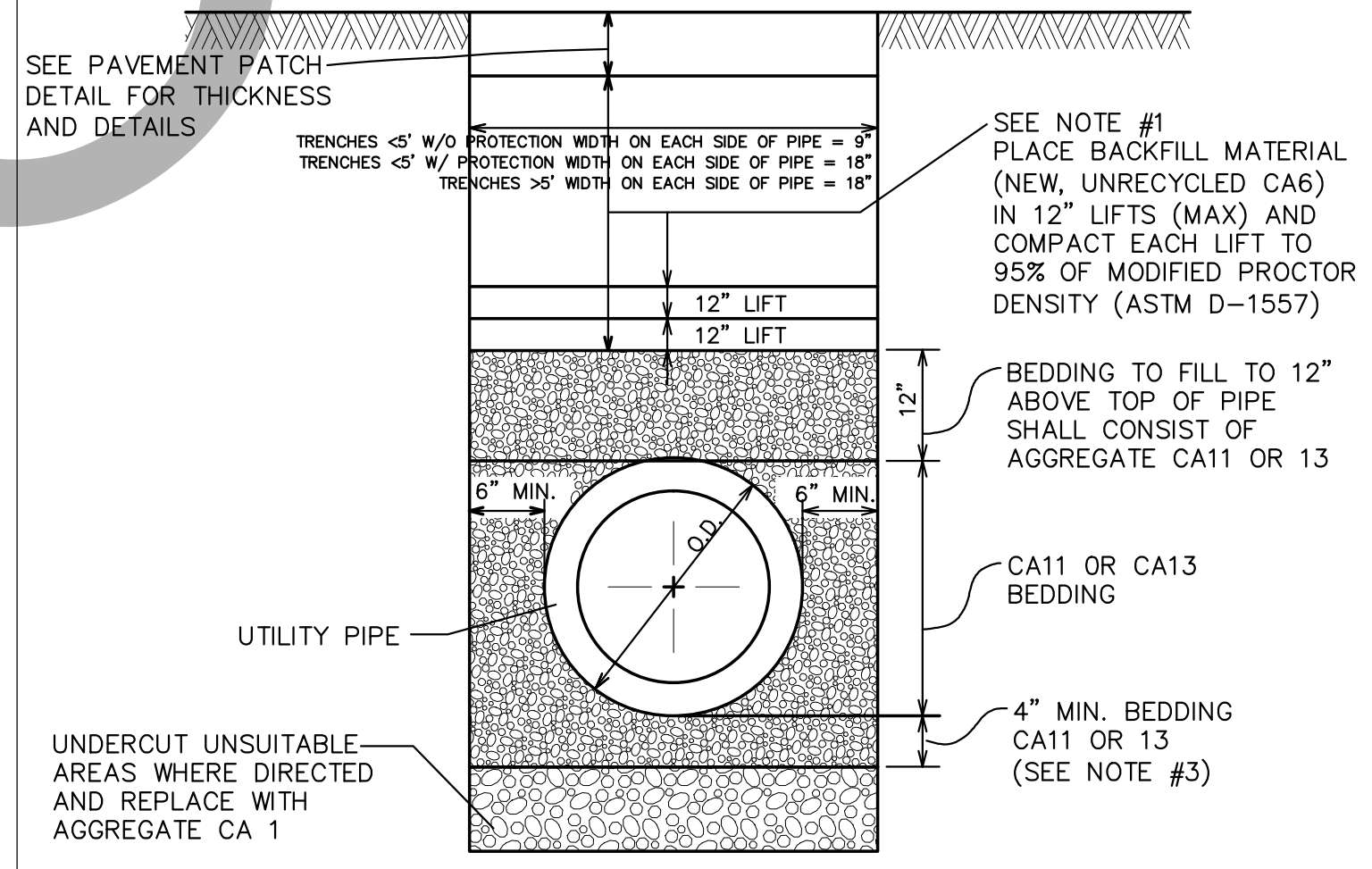
GENERAL NOTES:
1. MEG-A-LUG RETAINER GLANDS AND THRUST BLOCKING SHALL BE USED AT ALL FITTINGS AND JOINTS.
2. AN EIGHTEEN INCH (18") VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE WATERMAIN AND THE PROPOSED SEWER.
3. WATERMANS SHALL ONLY BE RAISED A MAXIMUM OF 18" WHEN USING M.J. OFFSET FITTINGS.
4. TYPE I RELOCATIONS SHALL ONLY BE USED WHEN THE TOP OF THE RELOCATED WATERMAIN IS 5'6" OR GREATER BELOW FINISHED GRADE.
5. TYPE II RELOCATIONS REQUIRE THE PROPOSED SEWER TO BE INSTALLED IN PRESSURE RATED PIPE (CLASS 52 DUCTILE IRON PIPE, OR PVC SDR-26, ASTM D-2241 PR PIPE) BETWEEN MANHOLES, OR ENCASED IN A BITUMINOUS COATED STEEL CASING PIPE, EXTENDING A MINIMUM OF 20' CENTERED ON THE WATERMAIN.
6. ALL BELOW-GRADE FASTENERS SHALL BE STAINLESS STEEL.
A. BOLTS: GRADE 304
B. NUTS AND WASHERS: GRADE 300

WATERMAIN RELOCATION
NTS



NOTES:
1. ALL BACKFILL MATERIALS SHALL BE PROPERLY COMPACTED (INUNDATION OR WATER JETTING NOT ALLOWED)
2. ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.
3. BEDDING MATERIAL FOR PVC PIPE INSTALLATION SHALL COMPLY WITH ASTM D-2321.

UTILITY TRENCH IN NON-PAVED AREAS DETAIL
NTS



NOTES:
1. TRENCH BACKFILL UNDER A PAVED SURFACE OR WITHIN THE ZONE OF INFLUENCE (3' FROM EDGE OF PAVEMENT) SHALL CONSIST OF:
a) UNDER NEW PAVEMENT:
12" THICK PAVEMENT SUBGRADE (AGGREGATE CA 6 CAP) OVER AGGREGATE CA-6 TRENCH BACKFILL OR CONTROLLED LOW STRENGTH MATERIAL (CLSM) MIX 1 (ONLY IF REQUIRED BY VILLAGE ENGINEERING)
b) UNDER EXISTING PAVEMENT, SAME AS 'a' ABOVE
c) UNDER PRIVATELY OWNED PAVEMENT, SAME AS 'a' ABOVE.
2. ALL MATERIALS SHALL BE PROPERLY COMPACTED PER SPECIFICATIONS (INUNDATION OR WATER JETTING NOT ALLOWED).
3. ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.
4. BEDDING MATERIAL FOR PVC PIPE INSTALLATION SHALL COMPLY WITH ASTM D-2321.
5. IF APPROVED BY VILLAGE ENGINEERING, A ONE (1) INCH THICK STEEL PLATE SHALL BE PROVIDED AND MAINTAINED BY CONTRACTOR UNTIL THE SURFACE RESTORATION IS COMPLETE. THE PLATE SHALL BE PROTECTED FROM SLIDING AND PROVIDED WITH BITUMINOUS RAMPS IF REQUIRED BY VILLAGE ENGINEERING.
6. PRIOR TO PLACEMENT OF PAVEMENT MATERIALS, THE EXISTING EXPOSED EDGES SHALL BE SAWCUT TO PROVIDE A SMOOTH CLEAN EDGE, FREE OF LOOSE MATERIAL.
7. THE PLACEMENT OF PAVEMENTS SHALL NOT BE ALLOWED WITHOUT PRIOR INSPECTION BY VILLAGE ENGINEERING.

UTILITY TRENCH IN PAVED AREAS DETAIL
NTS

Q:\VillagePark_IL\11283000 Astor-Myrle Sewer Separation Preliminary Design\4 CAD\Sheets\North\10 11_Details.dwg

DESIGNED: Y GALLIN
DRAWN: R JOHNSON
CHECKED: C MORLEY
DATE: MARCH 3, 2017



CENTRAL BOULEVARD
IMPROVEMENTS

DETAILS 3

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL: -	DUPAGE	21	21
VERTICAL: -	STA. - TO STA.	-	-
PROJECT NO. 11-2830-00			