F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	1
		ILLINOIS		

INDEX OF SHEETS

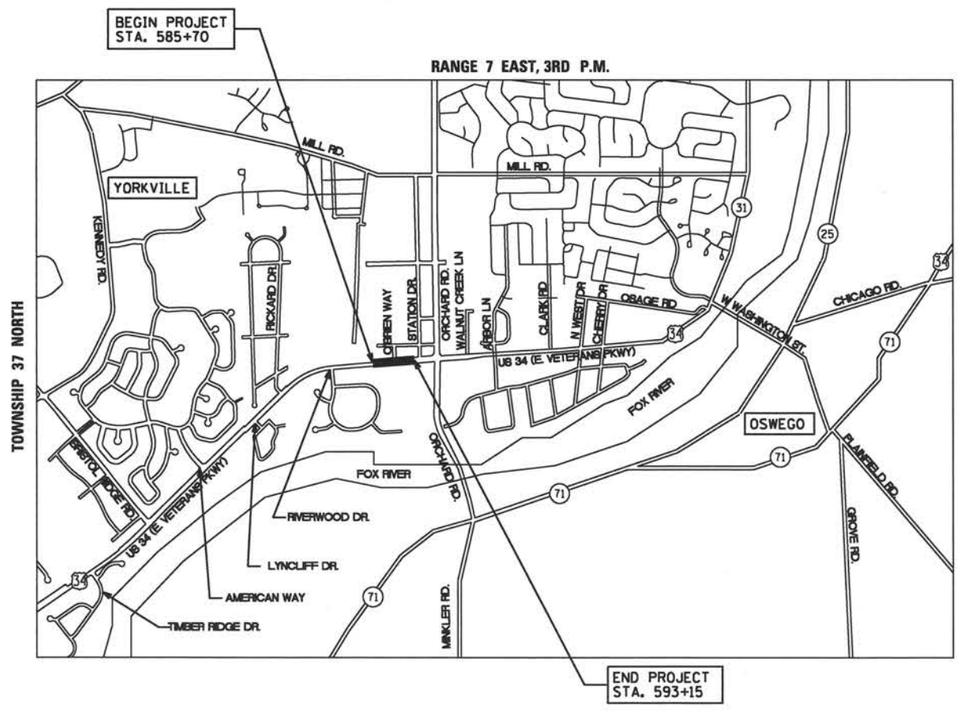
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	ALIGNMENTS AND TIES
5	REMOVAL PLAN
6	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
7	EROSION & SEDIMENT CONTROL AND LANDSCAPE PLAN
8-9	UTILITY PLAN AND PROFILE
10-12	S.U.E. TEST HOLE LOGS
13-15	CONSTRUCTION DETAILS
16-27	CROSS SECTIONS

STATE OF ILLINOIS
VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT
PLANS FOR

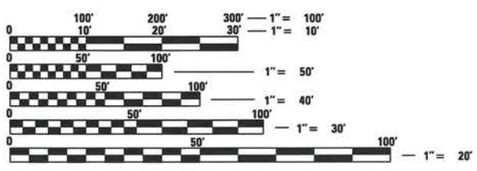
OSWEGO – US ROUTE 34 WATER MAIN RELOCATION

WEST OF O'BRIEN WAY TO WEST OF STATION DRIVE
KENDALL COUNTY

LOCATION OF SECTION INDICATED THUS:- —■—



TRAFFIC DATA
EXISTING ADT = 15,400 (2011)
%SU = 2%
%MU = 2%
SPEED LIMIT = 45 MPH



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.

SUBSURFACE UTILITY ENGINEERING (S.U.E.) UTILIZED ON THIS PROJECT

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

PROJECT LENGTH
GROSS LENGTH: 745 FT (0.14 MILES)
NET LENGTH: 745 FT (0.14 MILES)

GRAEF
8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

VILLAGE OF OSWEGO

JENNIFER HUGHES
PUBLIC WORKS DIRECTOR

DATE

JONATHAN W. BAHR
062-062477
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

EXPIRES: 11/30/2015 4/23/2015

REVISIONS	

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE ILLINOIS DEPARTMENT OF TRANSPORATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012 (HEREAFTER IDENTIFIED AS IDOT STANDARD SPECIFICATIONS), THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS (LATEST EDITION), AND THE VILLAGE OF OSWEGO SUBDIVISION AND DEVELOPMENT CONTROL REGULATIONS (LATEST EDITION), EXCEPT AS MODIFIED IN THESE PLANS OR THE PROJECT SPECIFICATIONS.
2. VERTICAL DATUM IS NAVD 88, PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL HORIZONTAL AND VERTICAL CONTROL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SIGNS, BARRICADES, AND FENCES AS REQUIRED TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAW.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
6. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, INCLUDING UTILITY LOCATIONS AND ELEVATIONS, PRIOR TO CONSTRUCTION. ANY DISCREPENCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
7. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
8. THE STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS USED IN THE DEVELOPMENT OF THIS PLAN SET ARE PER IDOT HIGHWAY STANDARD 000001-06. EXCEPTIONS AND ADDITIONAL ITEMS ARE AS NOTED ON THE PLANS.
9. THE CONTRACTOR SHALL CONTACT "J.U.L.I.E." (800-892-0123) AT LEAST 48 HOURS PRIOR TO E XCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
10. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
    VILLAGE OF OSWEGO, FOX METRO WATER RECLAMATION DISTRICT, NICOR GAS, COMCAST, COMED, AND AT&T.
11. NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
    ILLINOIS DEPARTMENT OF TRANSPORATION.
12. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
13. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF IDOT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.
14. ALL DAMAGE TO IDOT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF IDOT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR A MINIMUM 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
16. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701001-02 OR, IF NECESSARY, IDOT HIGHWAY STANDARD 701006-05.
17. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
18. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM IDOT.
19. EXISTING PAVEMENTS, SIDEWALK, CURB, CURB AND GUTTER, ETC. DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS AND NOT OTHERWISE BEING REMOVED OR REPLACED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
20. THE ILLINOIS DEPARTMENT OF TRANSPORTATION HAS DEVELOPED A WIDENING AND RECONSTRUCTION PROJECT FOR US ROUTE 34 (CONTRACT NO. 66884) THAT INCLUDES WORK ENCOMPASSING THE LIMITS OF THIS PROJECT. THE WORK MAY BE ONGOING DURING THE COURSE OF THIS PROJECT. COOPERATION BETWEEN CONTRACTORS SHALL BE REQUIRED.
21. PROPOSED ELEVATIONS FOR THIS WATER MAIN RELOCATION PROJECT ARE WITH RESPECT TO FINAL GRADING CONDITIONS OF IDOT CONTRACT NO. 66884. THIS APPLIES TO ITEMS SUCH AS FIRE HYDRANT ELEVATIONS, VALVE VAULT RIM ELEVATIONS, AND WATER MAIN MINIMUM COVER REQUIREMENTS. WHERESOEVER THERE IS AN ELEVATED OR DEPRESSED WATER STRUCTURE WITH RESPECT TO THE FINAL GRADING OF THIS WATER MAIN RELOCATION PROJECT, THE SURROUNDING AREA SHALL BE GRADED IN ORDER TO PROVIDE FULL ACCESS TO THE WATER STRUCTURE UNTIL THE COMPLETION OF FINAL GRADING ACTIVITIES OF IDOT CONTRACT NO. 66884. THE CONTRACTOR FOR THIS WATER MAIN RELOCATION PROJECT SHALL GRADE THE DISTURBED AREAS OUTSIDE OF THESE WATER STRUCTURE AREAS AS THEY EXISTED PRIOR TO BEGINNING CONSTRUCTION.

UTILITY NOTES

1. ALL WATERMAIN WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION AND REVISIONS THERETO, THE NOTES AND ON THE PLANS, AND IN ACCORDANCE WITH CODES AND ORDINANCES OF THE VILLAGE OF OSWEGO, ILLINOIS.
2. WATERMAINS SHALL HAVE A MINIMUM COVER OF 5.5' AND SHALL BE INSTALLED IN A STRAIGHT ALIGNMENT UNLESS SPECIFICALLY SHOWN OTHERWISE ON THE APPROVED PLANS. MINIMUM COVER MAY BE REDUCED, AT THE DISCRETION OF THE VILLAGE ENGINEER, PROVIDED THAT SATISFACTORY MEASURES ARE TAKEN TO INSULATE AND PROTECT THE PIPE.
3. ALL WATERMAINS SHALL BE CEMENT LINED DUCTILE IRON PIPE, CLASS 52 CONFORMING TO AWWA C-151 WITH PUSH-ON OR MECHANICAL JOINTS AND SHALL BE ENCASED IN POLYETHYLENE FILM IN ACCORDANCE WITH AWWA C-105-82. FITTINGS SHALL BE CEMENT LINED, TAR COATED CAST IRON WITH MECHANICAL JOINTS RATED 250 PSI PER AWWA C110/ANSI 21.20.
4. ALL PIPE AND FITTINGS SHALL BE MANUFACTURED IN THE UNITED STATES OR APPROVED EQUAL.
5. ALL MAIN LINE VALVES SHALL BE "AMERICAN FLOW CONTROL" TYPE GATE VALVES AND HOUSED IN A PRECAST CONCRETE VAULT OF THE APPROPRIATE SIZE.
6. ALL HYDRANTS SHALL BE "WATEROUS PACER" MODEL WB-67 -250 OR CLOW MEDALLION TYPE AND INCLUDE A GATE VALVE IN A METAL BOX WITH BRACING AND TRENCH ADAPTER.
7. ALL CORPORATION STOPS SHALL BE "A Y MCDONALD" MODEL, COMPRESSION TYPE.
8. ALL CURB STOPS SHALL BE "A Y MCDONALD" MODEL.
9. ALL WATERMAINS SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE STANDARDS AND PROCEDURES SET BY THE VILLAGE. MINIMUM TESTING PROCEDURE SHALL COMPLY WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATERMAIN CONSTRUCTION IN ILLINOIS SECTION 41-2.13 AND SECTION 41-2.14.
10. BEFORE ACCEPTANCE BY THE VILLAGE ALL WORK SHALL BE INSPECTED AND APPROVED BY THE VILLAGE OR ITS REPRESENTATIVES.
11. ONLY VILLAGE STAFF IS ALLOWED TO OPERATE VALVES AND HYDRANTS. A MINIMUM OF 24 HOURS ADVANCE NOTICE MUST BE GIVEN TO THE VILLAGE PUBLIC WORKS DEPARTMENT FOR THE OPERATION OF VALVES AND HYDRANTS
12. ALL TEES, BENDS, FIRE HYDRANTS AND VALVES SHALL BE ADEQUATELY SUPPORTED WITH A CONCRETE BASE, AND SUPPORTED LATERALLY WITH POURED IN PLACE THRUST BLOCKING AGAINST UNDISTURBED EARTH.
13. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE IDOT STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEP ARATELY, BUT WILL BE INCLUDED IN THE COST OF THE WATER MAIN IMPROVEMENTS.
14. THE ENDS OF EXISTING WATER LINE WHICH ARE NOT TO BE INCORPORATED INTO THE PROPOSED IMPROVEMENTS SHALL BE CUT AND CAPPED. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE COST OF THE WATER MAIN IMPROVEMENTS.
15. THE WORK REQUIRED TO CONNECT EXISTING AND PROPOSED WATER MAIN WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE WATER MAIN TO BE ABANDONED.
16. FITTINGS FOR THE WATER MAIN WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE WATER MAIN IMPROVEMENTS.
17. PIPE LEADS FOR THE PROPOSED FIRE HYDRANTS WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE FIRE HYDRANTS.
18. ALL FRAMES, LIDS, VALVES, AND HYDRANTS FROM UTILITY STRUCTURES THAT ARE SCHEDULED TO BE REMOVED ARE PROPERTY OF THE VILLAGE OF OSWEGO AND SHALL BE TURNED OVER TO THE VILLAGE OF OSWEGO PUBLIC WORKS DEPARTMENT. THE REMOVED FRAMES, LIDS, VALVES, AND HYDRANTS SHALL BE DELIVERED TO THE PUBLIC WORKS DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT PRIOR TO DELIVERY OF THE SALVAGED MATERIALS.
19. ALL TRENCHES CAUSED BY THE CONSTRUCTION OF WATER MAINS AND WATER SERVICE PIPES AND THE EXCAVATION AROUND CATCH BASINS, MANHOLES, INLETS AND OTHER APPURTENANCES WHICH OCCUR WITHIN THE LIMITS OF EXISTING OR PROPOSED PAVEMENT, SIDEWALKS, AND CURB AND GUTTERS OR WHERE THE EDGE OF THE TRENCH SHALL BE WITHIN TWO (2) FEET OF SAID PAVEMENTS SHALL BE BACKFILLED PER THE CONSTRUCTION DETAILS WITHIN THIS PLAN SET. THE AREAS OF PAVEMENT, SIDEWALKS, AND CURB AND GUTTERS SCHEDULED TO BE INSTALLED DURING IDOT CONTRACT 66884 APPLY TO THIS REQUIREMENT.

STANDARD VILLAGE OF OSWEGO GUIDELINES FOR THE PROTECTION OF WATER MAIN AND WATER SERVICE LINES

WATERMAINS AND WATER SERVICE LINES SHALL BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, SEWER SERVICE LINES, AND DRAIN TILES AS FOLLOWS:

A. WATERMAINS
   1. HORIZONTAL SEPARATION
      a. WATERMAINS SHALL BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SANITARY SEWER, STORM SEWER, COMBINED SEWER, SEWER SERVICE, AND DRAIN TILE.
      b. WATERMAINS MAY BE LAID CLOSER THAN TEN FEET TO A SEWER LINE WHEN:
         i. LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN FEET.
         ii. THE WATERMAIN INVERT IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER; AND
         iii. THE WATERMAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.
      c. BOTH THE WATERMAIN AND SEWER/DRAIN SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRE-STRESSED CONCRETE PIPE OR PVC PIPE MEETING THE REQUIREMENTS OF SECTION 653.111 WHEN SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.
   2. VERTICAL SEPARATION
      a. A WATERMAIN SHALL BE LAID SO THAT ITS INVERT IS 18 INCHES ABOVE THE CROWN OF THE SEWER OR DRAIN WHENEVER WATERMAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICES. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATERMAIN LOCATED WITHIN TEN FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATERMAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.
      b. THE SEWER OR DRAIN SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRE-STRESSED CONCRETE PIPE, (STORM SEWER ONLY), OR PVC PIPE MEETING THE REQUIREMENTS OF SECTION 653.111, OR THE SEWER OR DRAIN SHALL BE SLEEVED WITH STEEL PIPE OR CONSTRUCTED OF REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76 WITH GASKET JOINTS CONFORMING TO ASTM C-361 (STORM SEWERS ONLY) FOR A DISTANCE OF TEN FEET EITHER SIDE OF THE CONFLICT,
         i. IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN A) ABOVE; OR
         ii. THE WATERMAIN PASSES UNDER A SEWER OR DRAIN
      c. A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATERMAIN SHALL BE MAINTAINED WHERE A WATERMAIN CROSSES UNDER A SEWER. IN ADDITION, THE SEWER SHALL BE CONSTRUCTED OF WATERMAIN QUALITY PIPE. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATERMAIN.
      d. CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATERMAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET.

B. WATER SERVICE LINES
   1. THE HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER SERVICE LINES AND ALL STORM SEWERS, SANITARY SEWERS, COMBINED SEWERS, SANITARY SEWER SERVICES, OR ANY DRAIN TILES SHALL BE THE SAME AS WATERMAIN SEPARATION DESCRIBED IN (A) ABOVE.
   2. WATER PIPE DESCRIBED IN (A) ABOVE SHALL BE USED FOR SEWER SERVICE LINES WHEN MINIMUM HORIZONTAL AND VERTICAL SEPARATION CANNOT BE MAINTAINED.

C. SPECIAL CONDITIONS
   ALTERNATE SOLUTIONS SHALL BE PRESENTED TO THE AGENCY WHEN EXTREME TOPOGRAPHICAL, GEOLOGICAL, OR EXISTING STRUCTURAL CONDITIONS MAKE STRICT COMPLIANCE WITH (A) OR (B) ABOVE TECHNICALLY AND ECONOMICALLY IMPRACTICAL. ALTERNATE SOLUTIONS WILL BE APPROVED PROVIDED WATERTIGHT CONSTRUCTION STRUCTURALLY EQUIVALENT TO APPROVED WATERMAIN MATERIAL IS PROPOSED.

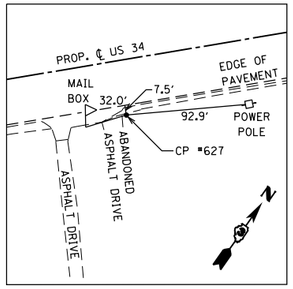
D. WATERMAINS SHALL BE SEPARATED FROM SEPTIC TANKS, DISPOSAL FIELDS AND SEEPAGE BEDS BY A MINIMUM OF 25 FEET.

E. WATERMAINS AND WATER SERVICE LINES SHALL BE PROTECTED AGAINST ENTRANCE OF HYDROCARBONS THROUGH DIFFUSION THROUGH ANY MATERIAL USED IN CONSTRUCTION OF THE LINE.

ITEM NO.	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
1	20101000	TEMPORARY FENCE	FOOT	730
2	20800150	TRENCH BACKFILL	CU YD	120
3	21101615	TOPSOIL FURNISH AND PLACE, 4''	SQ YD	354
4	25200110	SODDING, SALT TOLERANT	SQ YD	354
5	25200200	SUPPLEMENTAL WATERING	UNIT	18
6	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	8
7	28000400	PERIMETER EROSION BARRIER	FOOT	660
8	28000510	INLET FILTERS	EACH	6
9	56103300	DUCTILE IRON WATER MAIN 12''	FOOT	627
10	56105200	WATER VALVES 12''	EACH	1
11	56105702	INSERTING VALVES 12''	EACH	1
12	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2
13	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2
14	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSE LID	EACH	2
15	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1
16	67100100	MOBILIZATION	L SUM	1
17	X5610662	WATER MAIN TO BE ABANDONED, 12''	FOOT	634
18	X6026622	VALVE VAULTS TO BE REMOVED	EACH	2
19	Z0067900	STEEL CASINGS 24''	FOOT	50
20	Z0013798	CONSTRUCTION LAYOUT	L SUM	1

ALIGNMENT COORDINATES - PROPOSED US 34			
US 34	STATION	N	E
PC	564+99.89	1,826,075.888	968,264.636
PI	570+53.29	1,826,464.669	968,658.454
PT	575+61.77	1,826,511.083	969,209.896
POT	596+36.61	1,826,685.105	971,277.428

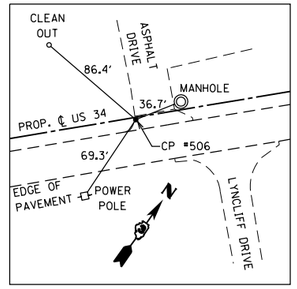
ALIGNMENT COORDINATES - EXISTING US 34			
US 34	STATION	N	E
PC	565+36.53	1,826,078.701	968,298.801
PI	570+90.02	1,826,467.551	968,692.688
PT	575+98.59	1,826,513.973	969,244.228
POT	596+38.98	1,826,685.105	971,277.428



CONTROL POINT #627

SET 5/8" REBAR W/ CAP

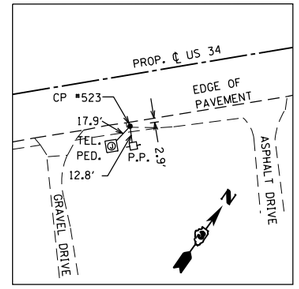
STATION 549+91.29, 41.52' RT.
N 1824986.482
E 967220.214



CONTROL POINT #506

FOUND PK NAIL IN ASPHALT

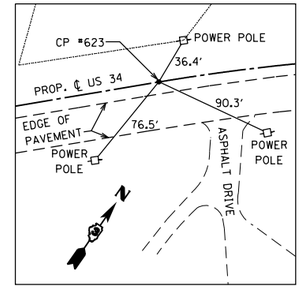
STATION 554+47.62, 1.69' RT.
N 1825335.421
E 967516.982
ELEV. 650.18'



CONTROL POINT #523

FOUND PK NAIL IN ASPHALT

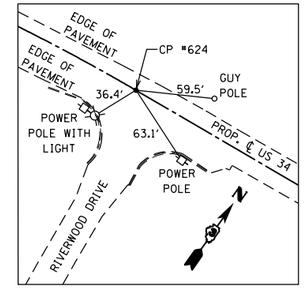
STATION 560+04.01, 38.29' RT.
N 1825700.257
E 967938.645
ELEV. 650.44'



CONTROL POINT #623

FOUND 5/8" REBAR W/ CAP

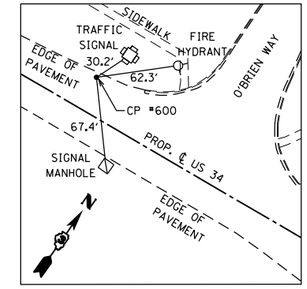
STATION 564+99.95, 0.12' LT.
N 1826076.014
E 968264.594



CONTROL POINT #624

FOUND PK NAIL IN ASPHALT

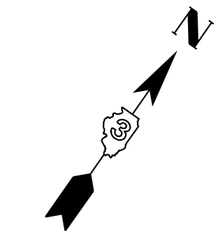
STATION 575+61.72, 0.06' LT.
N 1826511.142
E 969209.841
ELEV. 647.55'



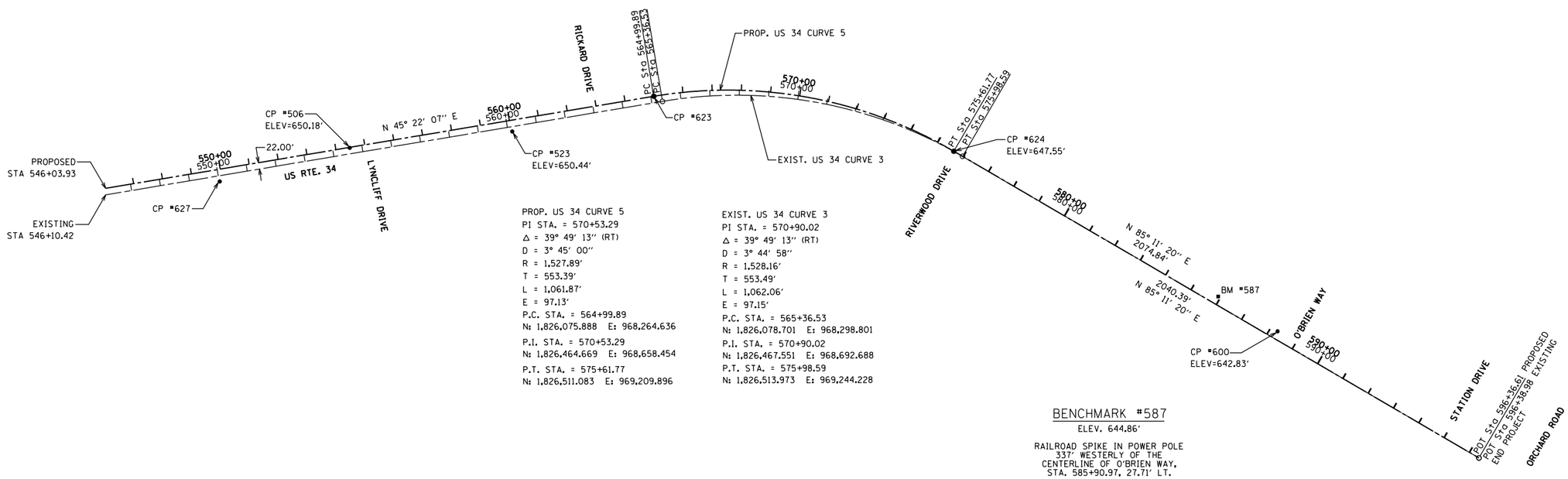
CONTROL POINT #600

SET PK NAIL IN ASPHALT

STATION 588+25.53, 26.53' LT.
N 1826643.519
E 970466.980
ELEV. 642.83'



SCALE 1" = 200'



PROP. US 34 CURVE 5
PI STA. = 570+53.29
Δ = 39° 49' 13" (RT)
D = 3° 45' 00"
R = 1,527.89'
T = 553.39'
L = 1,061.87'
E = 97.13'
P.C. STA. = 564+99.89
N: 1,826,075.888 E: 968,264.636
P.I. STA. = 570+53.29
N: 1,826,464.669 E: 968,658.454
P.T. STA. = 575+61.77
N: 1,826,511.083 E: 969,209.896

EXIST. US 34 CURVE 3
PI STA. = 570+90.02
Δ = 39° 49' 13" (RT)
D = 3° 44' 58"
R = 1,528.16'
T = 553.49'
L = 1,062.06'
E = 97.15'
P.C. STA. = 565+36.53
N: 1,826,078.701 E: 968,298.801
P.I. STA. = 570+90.02
N: 1,826,467.551 E: 968,692.688
P.T. STA. = 575+98.59
N: 1,826,513.973 E: 969,244.228

BENCHMARK #587

ELEV. 644.86'

RAILROAD SPIKE IN POWER POLE
337' WESTERLY OF THE
CENTERLINE OF O'BRIEN WAY.
STA. 585+90.97, 27.71' LT.

STATIONS / OFFSETS FOR CONTROL POINTS AND BENCHMARKS ARE REFERENCED TO THE PROPOSED CENTERLINE OF US 34.

FILE:h:\jobs2014\2014-3012\cad\site\dgn\00\3012-sht-Align-Ties-01.dgn
DATE\TIME: 4/22/2015 2:55:12 PM

GRAEF 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112

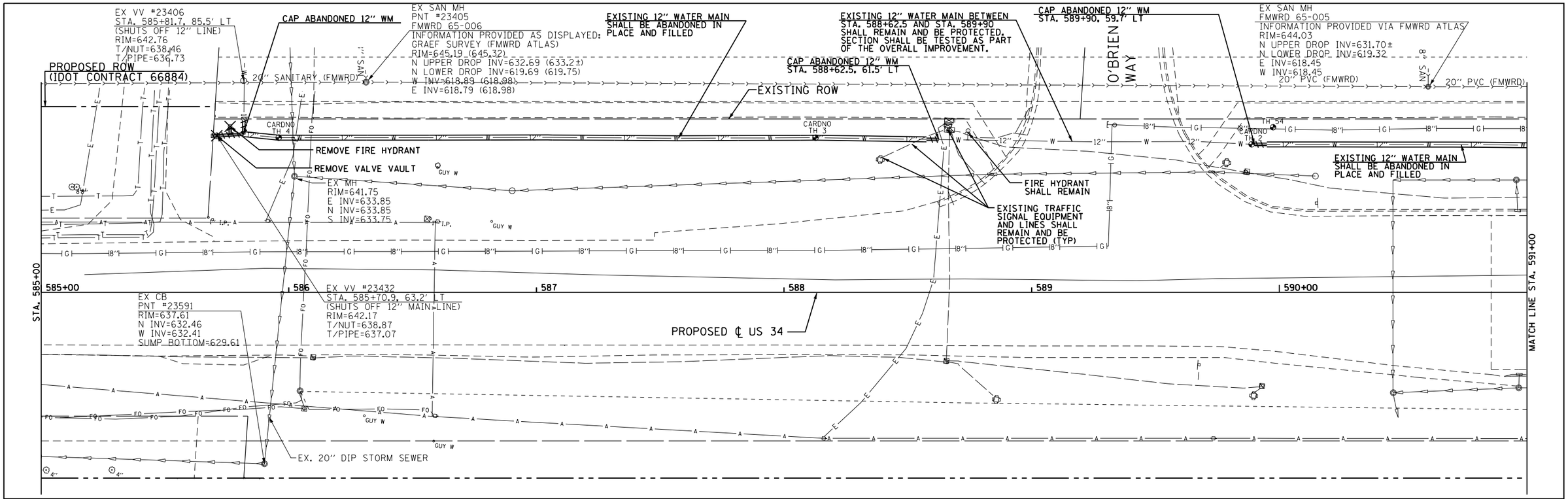
USER NAME = 1654	DESIGNED - JWB	REVISED -	
	DRAWN - JWB	REVISED -	
PLOT SCALE = 400.000 ft / in.	CHECKED - RS	REVISED -	
PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -	

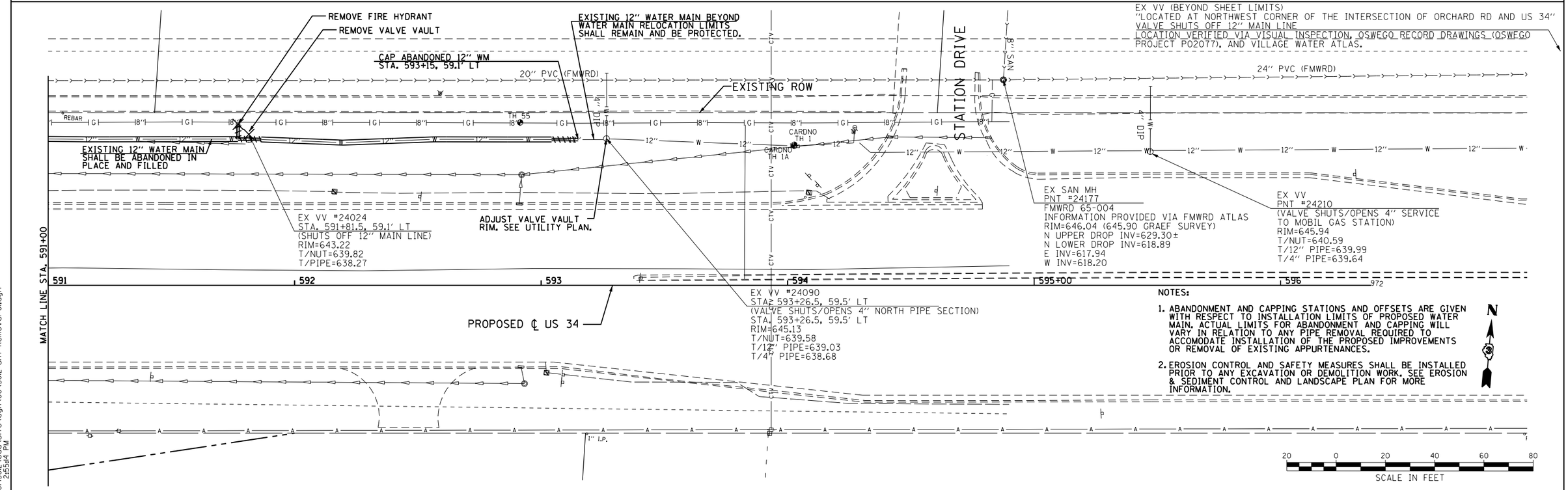
VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
ALIGNMENTS & TIES

SCALE: 1"=200' | SHEET NO. 1 OF 1 | STA. 546+03.93 TO STA. 596+36.61

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	4
		ILLINOIS		





NOTES:

1. ABANDONMENT AND CAPPING STATIONS AND OFFSETS ARE GIVEN WITH RESPECT TO INSTALLATION LIMITS OF PROPOSED WATER MAIN. ACTUAL LIMITS FOR ABANDONMENT AND CAPPING WILL VARY IN RELATION TO ANY PIPE REMOVAL REQUIRED TO ACCOMODATE INSTALLATION OF THE PROPOSED IMPROVEMENTS OR REMOVAL OF EXISTING APPURTENANCES.

2. EROSION CONTROL AND SAFETY MEASURES SHALL BE INSTALLED PRIOR TO ANY EXCAVATION OR DEMOLITION WORK. SEE EROSION & SEDIMENT CONTROL AND LANDSCAPE PLAN FOR MORE INFORMATION.

GRAEF
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Chicago, Illinois 60631
(773) 399-0112

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PLOT SCALE = 40.0000 ' / in.	CHECKED - RS	REVISED -	
PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -	

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
REMOVAL PLAN

SCALE: 1"=20' | STA. 585+00 TO STA. 596+36

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	5
		ILLINOIS		

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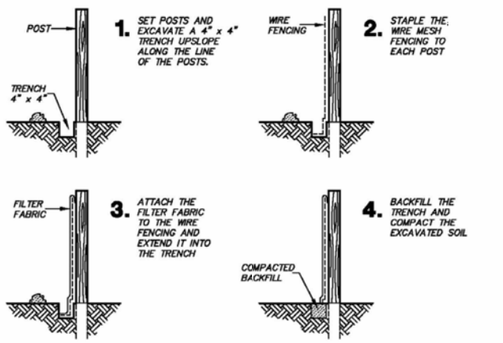
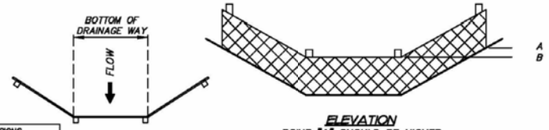
TEMPORARY SILTATION FENCE DETAIL

MAINTENANCE

1. Filter barriers shall be inspected immediately after each rainfall greater than 1/2" and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
2. Should the fabric decompose or become ineffective prior to the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
3. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately half the height of the barrier.
4. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.



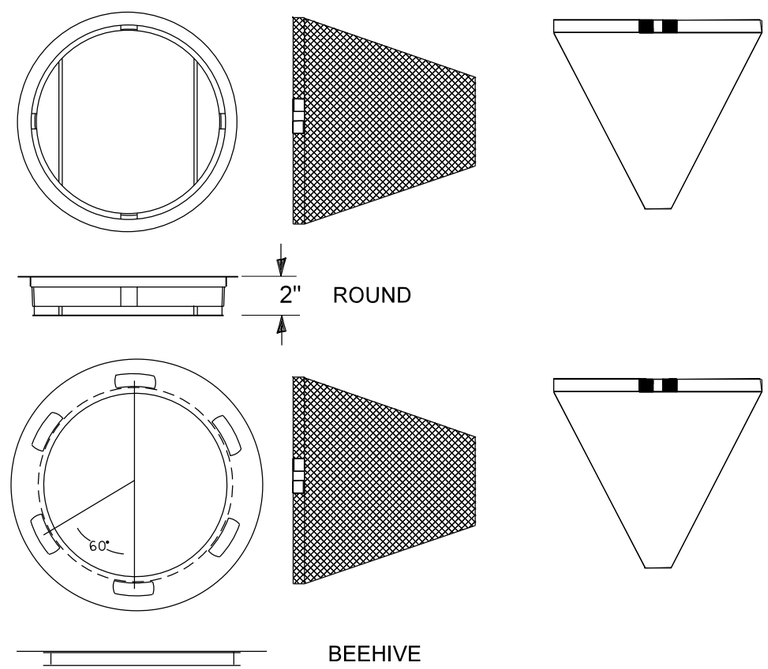


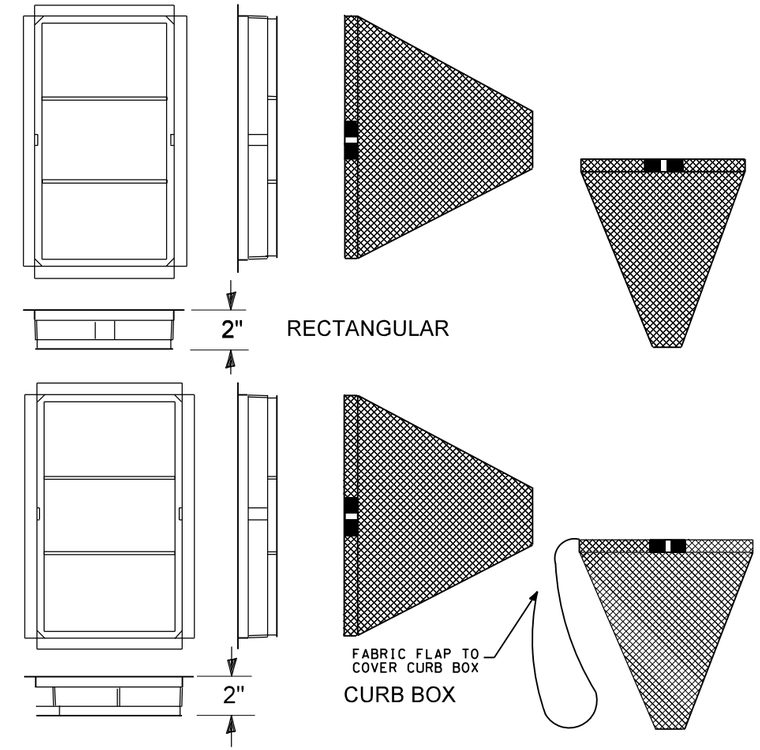
PLAN

ELEVATION
POINT "A" SHOULD BE HIGHER THAN POINT "B".

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

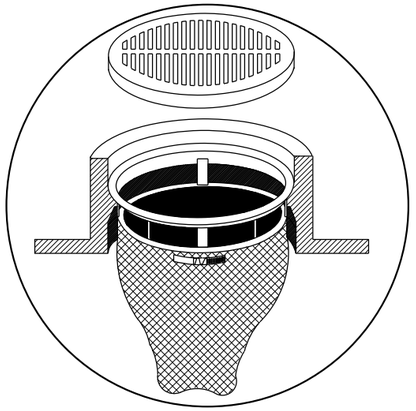
OSW-E-2





EROSION AND SEDIMENT CONTROL NOTES

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY.
2. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
3. INSTALLED EROSION CONTROL MEASURES SHALL BE INSPECTED, CLEANED, AND MAINTAINED PRIOR TO ANY STAGED WORK THAT MAY BE REQUIRED. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PROJECT COMPLETION AND WORK AREAS ARE STABILIZED.
4. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE PUBLIC WORKS DEPARTMENT.
5. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, IDOT STANDARD SPECIFICATIONS, AND VILLAGE REQUIREMENTS. IN CASES OF CONFLICT, THE MORE STRINGENT PROVISION SHALL GOVERN.
6. PERIMETER EROSION BARRIER SHALL BE INSTALLED AROUND THE PERIMETER OF ANY SOIL STOCKPILES.
7. THE CONTRACTOR MAY ADJUST THE LOCATION OF THE PERIMETER EROSION BARRIER TO PROVIDE ACCESS TO THE SITE.
8. SODDING (SALT TOLERANT), AND TOPSOIL, 4K IS SPECIFIED FOR THE PERMANENT LANDSCAPE RESTORATION AND STABILIZATION OF THIS PROJECT AND SHALL BE PLACED WITHIN SEVEN DAYS OF THE COMPLETION OF GRADING IN THAT AREA. PLACEMENT, FERILIZATION, AND SUPPLEMENTAL WATERING OF THE SODDING SHALL BE IN ACCORDANCE WITH SECTION 252 OF THE IDOT SPECIFICATIONS.
9. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED TO ALL BARE AREAS EVERY SEVEN DAYS, STARTING FROM THE DATE OF INITIAL DISTURBANCE, REGARDLESS OF WEATHER CONDITIONS OR PROGRESS OF THE WORK, AT A RATE OF RATE OF 100 POUNDS PER ACRE IN ACCORDANCE WITH SECTION 290 OF THE IDOT SPECIFICATIONS. APPLICATION OF THE TEMPORARY EROSION CONTROL SEEDING SHALL CONTINUE UNTIL THE PERMANENT LANDSCAPE RESTORATION MATERIAL IS PLACED AND STABILIZED.
10. INLET FILTERS SHALL BE UTILIZED AT OPEN-LID STORM SEWER STRUCTURES THAT MAY BE IMPACTED BY THE SEDIMENT RUNOFF GENERATED BY CONSTRUCTION ACTIVITIES. INLET FILTERS SHALL BE IN ACCORDANCE WITH SECTION 1081.15 OF THE IDOT STANDARD SPECIFICATIONS. THIS WORK SHALL CONSIST OF FURNISHING, INSTALLATION, AND REMOVAL OF THE INLET FILTER ASSEMBLY.
11. THE CONTRACTOR SHALL INSPECT THE WORKSITE AND REVIEW THE PLANS TO DETERMINE THE NUMBER AND DIMENSIONS OF THE VARIOUS TYPES OF DRAINAGE STRUCTURE FRAMES (CIRCULAR AND RECTANGULAR) INTO WHICH THE INLET FILTERS WILL BE INSTALLED PRIOR TO ORDERING MATERIALS.
12. THE INLET FILTER ASSEMBLY SHALL REMAIN IN PLACE UNTIL FINAL REMOVAL OF THE ASSEMBLY IS DIRECTED BY THE ENGINEER. THE ASSEMBLY SHALL BECOME THE PROPERTY OF THE VILLAGE AT THE COMPLETION OF THE PROJECT.
13. FINAL REMOVAL OF THE INLET FILTER ASSEMBLY SHALL INCLUDE THE DISPOSAL OF DEBRIS OR SILT THAT HAS ACCUMULATED IN THE FILTER BAG AT THE TIME OF FINAL REMOVAL.
14. ANY SEDIMENT OR SOIL REACHING A PAVEMENT SHALL BE REMOVED BY SCRAPING, SWEEPING, OR STREET CLEANING AS ACCUMULATIONS WARRANT.
15. PERIODIC CLEANING OF THE EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE UNIT COST OF THE RESPECTIVE EROSION CONTROL MEASURE.
16. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER ANY STORM OF 0.5 INCHES OR GREATER RAINFALL OR EQUIVALENT SNOW MELT. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED IMMEDIATELY FOLLOWING INSPECTION.



INLET FILTERS

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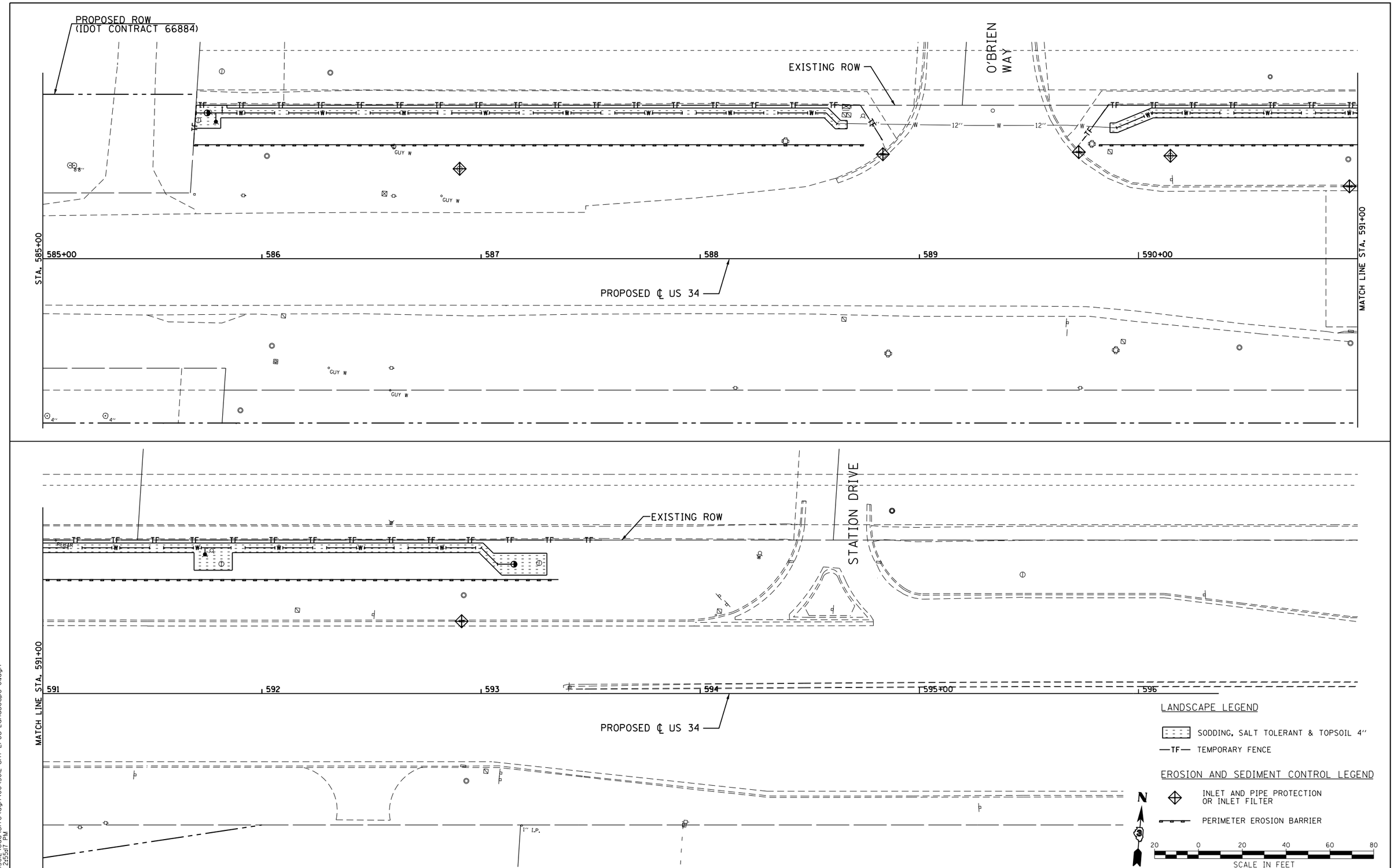
PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -	

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

SHEET NO. 1 OF 1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	6
		ILLINOIS		



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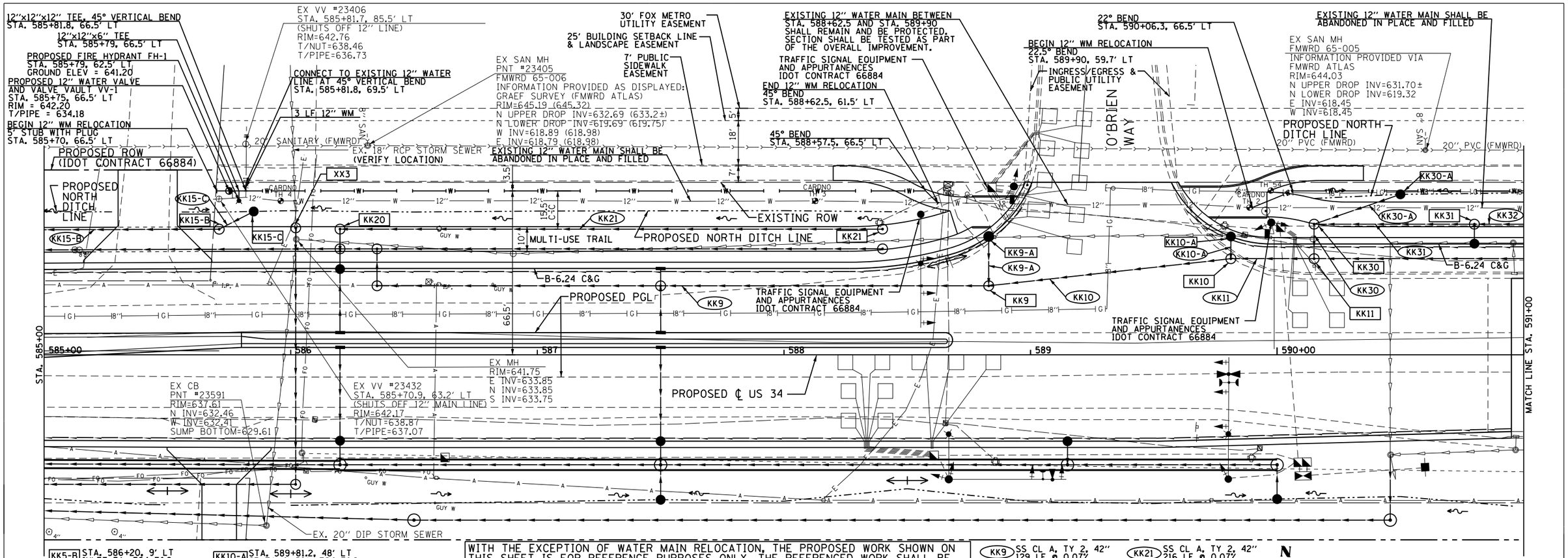
VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
EROSION & SEDIMENT CONTROL AND LANDSCAPE PLAN

SCALE: 1"=20' | STA. 585+00 TO STA. 596+36

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	7
		ILLINOIS		



KK5-B	STA. 586+20, 9' LT INLET-TA, T24 F&G RIM ELEV = 641.44 N INV = 637.44
KK9	STA. 588+83.1, 28' LT MH-TA 6' DIA. T1 CL RIM ELEV = 642.37 N INV = 637.58 E INV = 634.57 W INV = 634.57
KK9-A	STA. 588+83.1, 48' LT CB-TA 4' DIA. T24 F&G RIM ELEV = 641.90 S INV = 637.90
KK10	STA. 589+81.2, 39' LT MH-TA 6' DIA. T1 CL RIM ELEV = 642.64 N INV = 637.99 E INV = 634.64 W INV = 634.64
KK10-A	STA. 589+81.2, 48' LT CB-TA 4' DIA. T24 F&G RIM ELEV = 642.09 S INV = 638.09
KK11	STA. 590+15, 39' LT MH-TA 6' DIA. T1 CL RIM ELEV = 642.81 N INV = 634.66 E INV = 634.66 W INV = 634.66
KK15-B	STA. 585+71, 51' LT MH-TA 6' DIA. T1 CL RIM ELEV = 640.74 E INV = 636.74 W INV = 634.42
KK15-C	STA. 585+85, 58.1' LT CB-TC, T8 GR. RIM ELEV = 640.00 W INV = 637.00
KK20	STA. 586+20, 51' LT MH-TA 6' DIA. T1 CL RIM SHELF= 641.00 S INV = 634.36 E INV = 634.36
KK21	STA. 588+40, 51' LT MH-TA 6' DIA. T1 CL RIM SHELF= 642.07 W INV = 634.51
KK30	STA. 590+15, 53' LT MH-TA 6' DIA. T1 CL RIM SHELF= 643.00 N INV = 639.25 S INV = 634.67 E INV = 634.67
KK30-A	STA. 590+50, 65.1' LT CB-TC, T8 GR. RIM ELEV = 642.25 W INV = 639.55
KK31	STA. 590+80, 53' LT MH-TA 6' DIA. T1 CL RIM SHELF= 643.32 S INV = 638.93 E INV = 634.71 W INV = 634.71
XX3	STA. 586+02, 51.5' LT MH-TA 5' DIA. T1 CL RIM SHELF= 640.89 N INV = 633.85 (EX 18", VIF) S INV = 630.61

WITH THE EXCEPTION OF WATER MAIN RELOCATION, THE PROPOSED WORK SHOWN ON THIS SHEET IS FOR REFERENCE PURPOSES ONLY. THE REFERENCED WORK SHALL BE DONE BY OTHERS AS A PART OF IDOT CONTRACT 66884. PROPOSED ELEVATIONS ARE GIVEN WITH RESPECT TO FINAL GRADING AT THE COMPLETION OF CONTRACT 66884, THIS INCLUDES WATER MAIN RELOCATION ITEMS.

KK9	SS CL A, TY 2, 42" 129 LF @ 0.07%
KK9-A	SS CL A, TY 2, 12" 16 LF @ 2.00%
KK10	SS CL A, TY 2, 42" 95 LF @ 0.07%
KK10-A	SS CL A, TY 1, 12" 5 LF @ 2.00%
KK11	SS CL A, TY 2, 42" 30 LF @ 0.07%
KK15-B	SS CL A, TY 1, 42" 307 LF @ 0.10%
KK15-C	SS (WM REQS) 12" 13 LF @ 2.00%
KK21	SS CL A, TY 2, 42" 216 LF @ 0.07%
KK30	SS CL A, TY 2, 24" 10 LF @ 0.10%
KK30-A	SS (WM REQS) 12" 34 LF @ 0.81%
KK31	SS CL A, TY 2, 42" 61 LF @ 0.07%
KK32	SS CL A, TY 2, 42" 207 LF @ 0.07%

N

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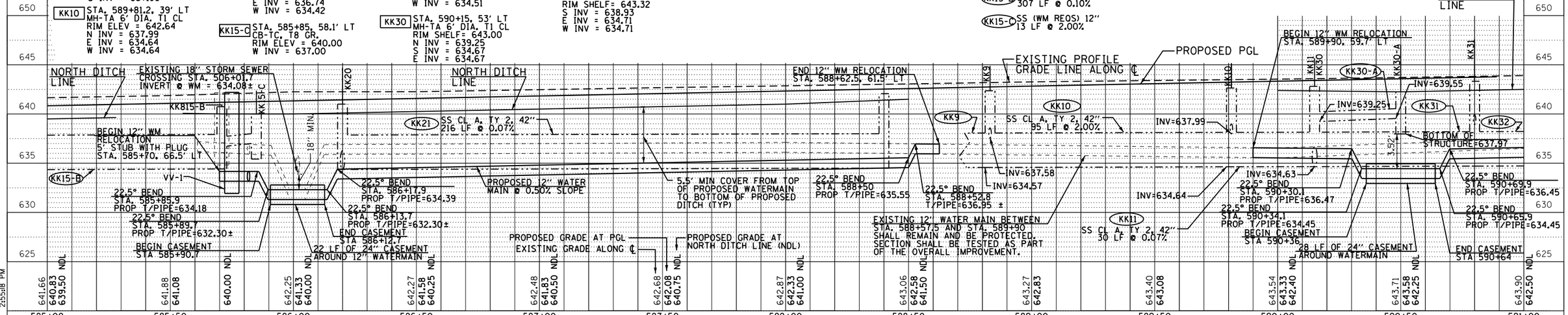
SCALE IN FEET

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



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PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -	

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VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
UTILITY PLAN & PROFILE

SCALE: H=20', V=5' | SHEET NO. 1 OF 2 | STA. 585+00 TO STA. 591+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	8
		ILLINOIS		

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

PROFILE: SURVEYED / PLOTTED / GRADE CHECKED / BLM. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK NO. / BY / DATE

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END WATER MAIN RELOCATION AT PROPOSED 12" INSERTING VALVE AND VALVE VAULT VV-2. CONNECT TO EXISTING 12" MAIN. STA. 593+15, 59' LT RIM = 644.56 T/PIPE=638.81± (MATCH EXISTING)

EXISTING 12" WATER MAIN BEYOND WATER MAIN RELOCATION LIMITS SHALL REMAIN AND BE PROTECTED.

EXISTING 12" WATER MAIN SHALL BE ABANDONED IN PLACE AND FILLED

45° BEND STA. 593+00, 66.5' LT

20" PVC (FMWRD)

PROPOSED NORTH DITCH LINE

30' FOX METRO UTILITY EASEMENT

25' BUILDING SETBACK LINE & LANDSCAPE EASEMENT

7' PUBLIC SIDEWALK EASEMENT

EX VV (BEYOND SHEET LIMITS) "LOCATED AT NORTHWEST CORNER OF THE INTERSECTION OF ORCHARD RD AND US 34" VALVE SHUTS OFF 12" MAIN LINE LOCATION VERIFIED VIA VISUAL INSPECTION, OSWEGO RECORD DRAWINGS (OSWEGO PROJECT P02077), AND VILLAGE WATER ATLAS.

24" PVC (FMWRD)

EXISTING ROW

MULTI-USE TRAIL

B-6.24 C&G

12"x12"x6" TEE STA. 591+74, 66.5' LT

PROPOSED FIRE HYDRANT FH-2 STA. 591+74, 63.5' LT GROUND ELEV = 643.63

KK32 KK32-A KK32-B

45° BEND STA. 593+07.5, 59' LT

PROPOSED ℄ US 34

EX SAN MH PNT #24177 FMWRD 65-004 INFORMATION PROVIDED VIA FMWRD ATLAS RIM=646.04 (645.90 GRAEF) N UPPER DROP INV=629.30± N LOWER DROP INV=618.89 E INV=617.94 W INV=618.20

EX VV #24210 STA. 595+47.1, 52.2' LT (VALVE SHUTS/OPENS 4" SERVICE TO MOBIL GAS STATION) RIM=645.94 T/NUT=640.59 T/12" PIPE=639.99 T/4" PIPE=639.64

MATCH LINE STA. 591+00

591 592 593 594 595+00 596

EX VV #24024 STA. 591+81.5, 59.1' LT (SHUTS OFF 12" MAIN LINE) RIM=643.22 T/NUT=639.82 T/PIPE=638.27

EX VV #24090 STA. 593+26.5, 59.5' LT (VALVE SHUTS/OPENS 4" NORTH PIPE SECTION) RIM=645.13 ADJUST RIM TO 644.61 T/NUT=639.58 T/12" PIPE=639.03 T/4" PIPE=638.68

KK32 STA. 592+91.1, 53' LT MH-TA 6' DIA. T1 CL RIM SHELF= 644.58 S INV = 640.19 W INV = 634.85

KK32-B STA. 594+41.4, 60.2' LT CB-TA 4' DIA. T24 F&G RIM ELEV = 644.60 E INV = 641.54 (EX 12" RCP, VIF) W INV = 641.49 (EX 12" RCP, VIF)

KK32-A STA. 592+91.1, 45' LT CB-TA 4' DIA. T24 F&G RIM ELEV = 644.27 N INV = 640.27 E INV = 640.77 (EX 12" RCP, VIF)

KK32-A SS CL A, TY 2, 12" 4 LF @ 2.00%

WITH THE EXCEPTION OF WATER MAIN RELOCATION, THE PROPOSED WORK SHOWN ON THIS SHEET IS FOR REFERENCE PURPOSES ONLY. THE REFERENCED WORK SHALL BE DONE BY OTHERS AS A PART OF IDOT CONTRACT 66884. PROPOSED ELEVATIONS ARE GIVEN WITH RESPECT TO FINAL GRADING AT THE COMPLETION OF CONTRACT 66884, THIS INCLUDES WATER MAIN RELOCATION ITEMS.

N

20 0 20 40 60 80

SCALE IN FEET

SCALE: 1" = 20' HORIZ. 1" = 5' VERT.

END 12" WM RELOCATION STA. 593+15, 59' LT

EXISTING PROFILE ALONG ℄

NORTH DITCH LINE

INV=640.77 (VIF)

KK32 KK32-A VV-2 KK32-B

EX. 12" RCP

PROPOSED 12" WATER MAIN @ 0.50% SLOPE

INV=641.49 (VIF) INV=641.54 (VIF)

22.5° BEND STA. 593+10 PROP T/PIPE=638.88

22.5° BEND STA. 593+07.5 PROP T/PIPE=637.64

5.5' MIN COVER FROM TOP OF PROPOSED WATERMAIN TO BOTTOM OF DITCH (TYP)

INV=634.85

PROPOSED GRADE AT NORTH DITCH LINE (NDL)

EXISTING GRADE ALONG ℄

650 645 640 635 630 625

643.90 642.50 NDL | 644.22 642.75 NDL | 644.52 643.25 NDL | 644.81 643.50 NDL | 645.07 643.75 NDL | 645.37 644.00 NDL | 645.65 645.25 NDL | 645.90 | 645.90

591+00 591+50 592+00 592+50 593+00 593+50 594+00 594+50 595+00

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

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

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PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -	

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
UTILITY PLAN & PROFILE

SCALE: H=20', V=5' | SHEET NO. 2 OF 2 | STA. 591+00 TO STA. 596+25

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	9
		ILLINOIS		

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE &	TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	SUE QUALITY LEVEL	COMMENTS
1	SEE NOTE	W	1826722.318	971039.557	639.23′	6.26′	645.49′	A	
1A	12″	STM	1826721.864	971039.632	642.35′	3.12′	645.47′	A	
2	12″	W	1826690.305	970626.894	636.48′	6.94′	643.42′	A	
3	12″	W	1826678.220	970451.213	636.94′	6.54′	643.48′	A	
4	SEE NOTE	W	1826660.044	970235.172	633.56′	8.17′	641.73′	A	

NOTES

TH #1 - 12″ per records. Unable to physically verify pipe size due to storm pipe directly above it.

TH #4 - Unable to verify pipe size and material due to wrapping and depth. Location is believed to be in the low point of a vertical bend in the pipe as depicted on Sheet 7 of 28 of the U.S. ROUTE 34 WIDENING Plan & Pofile dated June 2003, last revised 5/25/05, prepared by Engineering Enterprises of Sugar Grove, IL and provided to Cardno TBE by IDOT.

ABBREVIATIONS

STM - Storm Sewer
W - Water

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

Cardno TBE
CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL * PLANNING * UTILITY ENGINEERING/LOCATING

Checked By: _____
Date: _____

TBE Job No. IL09510805

DESIGNED	JP	REVISED	
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	7/07/14	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 34 from East of IL 47 tp West of Orchard Road
Oswego, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(13C&13) R&T	Livingston		
		Contract No. 66884		
	SHEET NO.	STA.	TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	Job No.		

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VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
S.U.E. TEST HOLE LOGS

SHEET NO. 1 OF 3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	10
		ILLINOIS		

Utility Type:	
E	- Electric
G	- Natural Gas
BT	- Buried Telephone
FOC	- Fiber Optic Cable
W	- Water
SAN	- Sanitary Sewer
STM	- Storm Sewer
CATV	- Cable Television
FM	- Force Main
RW	- Reclaimed Water
SL	- Street Light
TS	- Traffic Signal
FL	- Fuel Line
EXP	- Exploratory
UNK	- Unknown
PL	- Pipeline
Other	-

Utility Material:	
1	- Metallic
2	- PVC (Polyvinyl Chloride)
3	- DIP (Ductile Iron Pipe)
4	- VCP (Vitrified Clay Pipe)
5	- PE (Polyethylene Pipe)
6	- AC (Transite)
7	- CI (Cast Iron)
8	- DBC (Direct Bury Cable)
9	- Concrete Pipe
10	- CMP (Corrugated Metal Pipe)
11	- Duct Package
12	- Concrete Cap
13	- Fiberglass
14	- Unknown
15	- Other:

Surface Type:

A	- Asphalt	NG	- Natural Ground
C	- Concrete	Other:	-

Cardno TBE

Shaping the Future

Subsurface Utility Engineering
Test Hole Field Data

30	- Edge of Pavement	20	- Sleeve
31	- Baseline	21	- Hub / Lathe
32	- Right-of-Way	22	- Nail & Disk *
33	- Centerline	23	- "x" in Concrete
34	- Back of Curb	24	- SRAC **
35	- Survey Hub	25	-
36	- "X" in Concrete		
37	- Swing Ties		
38	- Ref. Point in Driveway		
39	-		

* Set Disk stamped "Cardno TBE Test Hole."

** Set 5/8" x 8" Iron Rod and Cap Stamped "Cardno TBE Test Hole"

Vac Truck No.: 550423

Date: 6-26-14 & 6-27-14

Crew Members: JP/AW/IP

Cardno TBE Office: Schaumburg, IL

Project No.: IL09510805

Client: IDOT Dist. 3

Work Order No.: 805

Road / Site Name: US RT-34 just west of Orchard Rd.

City / County: Oswego / Kendall

Location: US RT-34 & Obrien Way

Test Hole Date	Test Hole No.	Utility Type	Utility Material	Utility Size (O.D.) in / cm	Approximate Station	Approx. Offset Distance ft / m L	R	Offset From	Manual Depth (Top) ft / m	Cross Sectional View	Utility Direction	ID'd By	Surface Type	Pvmnt. Thick-ness in / mm
6/26/2014	1	W	3	SEE NOTES	594+05	56.2		33	6.26			24	NG	
6/26/2014	1A	STM	9	12	594+05	56.6		33	3.12			24	NG	
6/26/2014	2	W	3	12	589+90	59.8		33	6.94			24	NG	
6/26/2014	3	W	3	12	588+15	63		33	6.54			24	NG	
6/27/2014	4	W	3	SEE NOTES	586+00	62.75		33	8.17			24	NG	

NOTES:

Prepared By: IP | QA / QC By: MGR | Date: 7/7/2014

Test Hole No.	Top of Utility	Reference Point	Manual Depth (Ft)	Utility Quality Level	SUE Tech Initials	Common Notes* (check if applies)		Notes
1	11.18	4.92	6.26	A	JP/IP	1		12" per records. Unable to physically verify pipe size due to storm pipe directly above it.
						2		
1A	8.04	4.92	3.12	A	JP/IP	1		
						2		
2	11.6	4.66	6.94	A	JP/IP	1		
						2		
3	12.36	5.82	6.54	A	JP/IP	1		
						2		
4	14.06	5.89	8.17	A	AW/IP	1		Unable to verify pipe size and material due to wrapping and depth. Location is believed to be in the low point of a vertical bend in the pipe as depicted on Sheet 7 of 28 of the U.S. ROUTE 34 WIDENING Plan & Pofile dated June 2003, last revised 5/25/05, prepared by Engineering Enterprises of Sugar Grove, IL and provided to Cardno TBE by IDOT.
						2		
						1		
						2		
						1		
						2		
						1		
						2		
						1		
						2		
						1		
						2		

Comments:

* 1 - Unable to visually verify utility due to groundwater in test hole. Tapped what we believe to be the utility with our airlance to verify shape, depth reasonable with electronic estimate.

* 2 - Did not find utility due to depth. Cleared to a depth as indicated.

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GRAEF 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112

USER NAME = 1654	DESIGNED - JWB	REVISED -	
	DRAWN - JWB	REVISED -	
PLOT SCALE = 100.000 ft / in.	CHECKED - RS	REVISED -	
PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -	

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO - US 34 WATER MAIN RELOCATION
S.U.E. TEST HOLE LOGS

SHEET NO. 2 OF 3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	11
		ILLINOIS		

SO-DEEP Inc.

The Subsurface Utility Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

Test Hole Certification Form
Utility Quality Level A Data

ASCE C/I 38-02

Corporate Headquarters
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **SILD589**
Test Hole # **54**
Plan Scale **1"=20'**
Sheet # **30**
Proposed **STORM X-ING**
Date **AUGUST 25, 2012**

City, County, State **KENDALL CO., IL**
Gen. Loc. **INTR. U.S. 34 & OBRIEN WAY**
Recorded Size/Material/Type **8" STEEL GAS LINE**
Foreman/Truck#/Form By **P.J. REYNOLDS / 219 / S. ERICKSON**

Condition of paving prior to work **NO PAVING**

B.M. 1 Elev. = **643.28'**
is **GIVEN**
Description: **(BM #694) TOP OF R.R. SPIKE FOUND IN P.P., 57.57' RT OF STA 592+99.29, U.S. 34**

B.M. 2 Elev. = **641.90'**
is **GIVEN**
Description: **(BM #691) TOP OF R.R. SPIKE FOUND IN P.P., 58.51' RT OF STA 589+74.77, U.S. 34**

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

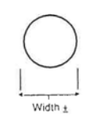
Benchmarks Check **BY 0.01'**
Elevations are referenced to **B.M.#1**

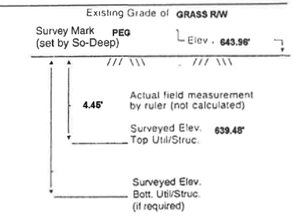
Recorded Size/Type of utility **WAS FOUND**
There **WERE NOT** additional utilities in the test hole
The utility **WAS** in good condition
Paving Thickness and type **NO PAVING**
Color of ribbon installed **YELLOW**
Soil Type **HARD CLAY**
Truck Location **GRASS R/W**
T.H. tied to **PEG**

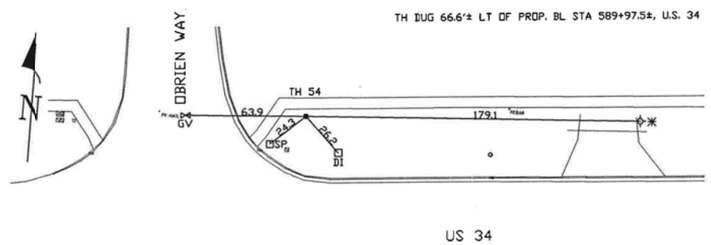
8 1/2" COATED STEEL GAS LINE
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: NONE

Facing **WEST**







FO = Fiber-Optic Cable
MTD = Multi Tile Duct
R/W = Rights of Way
N.T.S. = Not to Scale
• = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete

CL = Centerline
T.C. = Tera Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

David R. Cole
Performing out-of-sight work...with vision!™
Note: To Eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

.08" = 1"
.16" = 2"
.25" = 3"
.33" = 4"
.42" = 5"
.50" = 6"
.58" = 7"
.67" = 8"
.75" = 9"
.83" = 10"
.92" = 11"

Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

SO-DEEP Inc.

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Test Hole Certification Form
Utility Quality Level A Data

ASCE C/I 38-02

Corporate Headquarters
8397 Euclid Avenue
Manassas Park, VA 20111
(703) 361-6005

Control # **SILD589**
Test Hole # **55**
Plan Scale **1"=20'**
Sheet # **30**
Proposed **STORM X-ING**
Date **AUGUST 25, 2012**

City, County, State **KENDALL CO., IL**
Gen. Loc. **U.S. 34, W. OF ORCHARD ROAD**
Recorded Size/Material/Type **8" STEEL GAS LINE**
Foreman/Truck#/Form By **P.J. REYNOLDS / 219 / S. ERICKSON**

Condition of paving prior to work **NO PAVING**

B.M. 1 Elev. = **643.28'**
is **GIVEN**
Description: **(BM #694) TOP OF R.R. SPIKE FOUND IN P.P., 57.57' RT OF STA 592+99.29, U.S. 34**

B.M. 2 Elev. = **641.90'**
is **GIVEN**
Description: **(BM #691) TOP OF R.R. SPIKE FOUND IN P.P., 58.51' RT OF STA 589+74.77, U.S. 34**

So-Deep will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

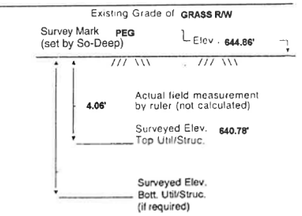
Benchmarks Check **BY 0.01'**
Elevations are referenced to **B.M.#1**

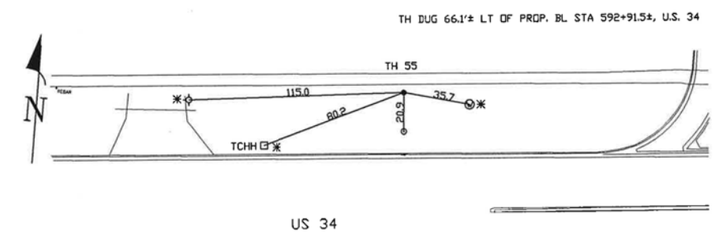
Recorded Size/Type of utility **WAS FOUND**
There **WERE NOT** additional utilities in the test hole
The utility **WAS** in good condition
Paving Thickness and type **NO PAVING**
Color of ribbon installed **YELLOW**
Soil Type **MOIST BROWN**
Truck Location **GRASS R/W**
T.H. tied to **PEG**

8 1/2" COATED STEEL GAS LINE
Size/Material/Type
Portion of pipe exposed
for O.D. measurement:
FULL

Remarks: NONE

Facing **WEST**





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David R. Cole
Performing out-of-sight work...with vision!™
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Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
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= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

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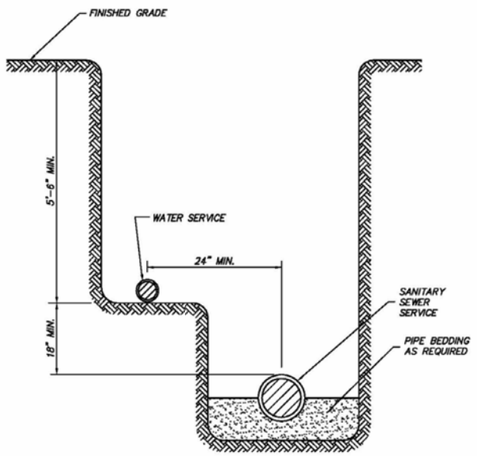
GRAEF 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1654	DESIGNED - JWB	REVISED -	VILLAGE OF OSWEGO PUBLIC WORKS DEPARTMENT	OSWEGO – US 34 WATER MAIN RELOCATION S.U.E. TEST HOLE LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - JWB	REVISED -			591		KENDALL	27 / 12
	PLOT SCALE = 100.000 ft / in.	CHECKED - RS	REVISED -		SHEET NO. 3 OF 3				
	PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -				ILLINOIS		

COMMON TRENCH FOR WATER AND SANITARY SEWER SERVICES

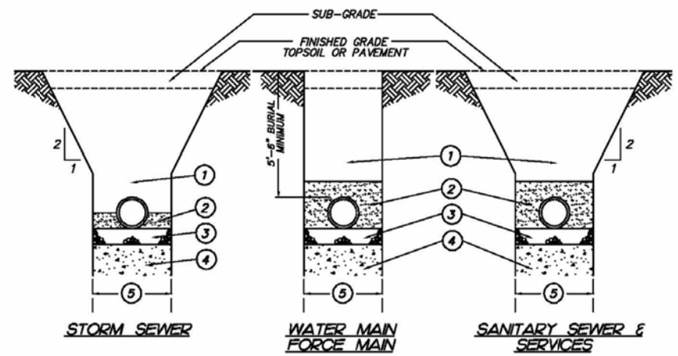


THE WATER SERVICE PIPING AND BUILDING SEWER PIPING MAY BE INSTALLED IN A COMMON TRENCH PROVIDED THAT THE WATER SERVICE PIPE IS PLACED ON A SHELF A MINIMUM OF EIGHTEEN (18) INCHES ABOVE AND TWENTY-FOUR (24) INCHES HORIZONTALLY FROM THE BUILDING SEWER PIPING.

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

OSW-U-2

TRENCH BEDDING/BACKFILLING CROSS SECTION



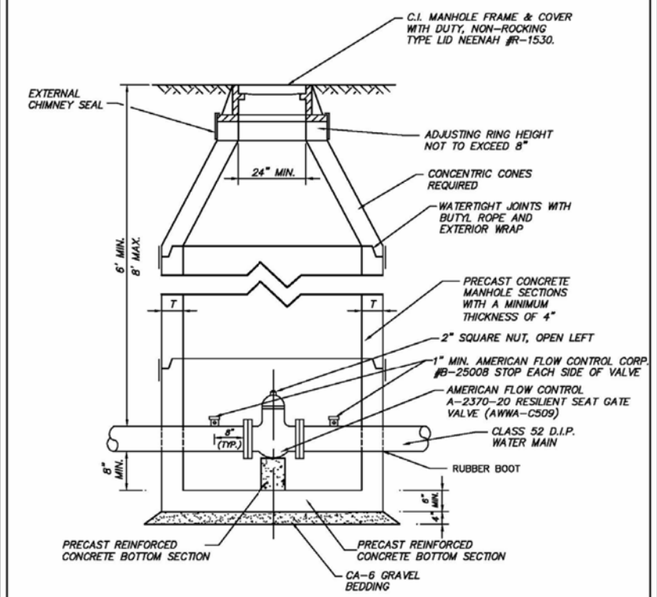
1. Trench backfill under pavement, curb and gutter as indicated in road subgrades and within 2 feet of any proposed curb and gutter or sidewalk. Mechanically compacted backfill of excavated materials in other locations if approved by the Village Engineer. Refer to trench backfill special provisions for materials and compaction requirements.
2. WATER MAIN, FORCE MAIN (D.I.P.)
   Compacted granular material CA-7 to 4" above top of pipe.
2. SANITARY SEWER (PVC)
   Compacted granular material CA-7 to 12" above top of pipe (also see note #1 below).
2. STORM SEWER
   Compacted granular backfill material CA-7 to spring line of pipe
3. 4" compacted granular bedding, CA-7 gradation.
4. Unsuitable material to be removed where directed by Engineer and replaced with suitable material and compacted.
5. Trench Width – Pipe O.D. + 12" minimum
   Pipe O.D. + 18" maximum

NOTES:

1. PVC pipe conforming to the SDR specified in the plans shall be installed to the latest revised specification requirements of ASTM D-2321 using either compacted Class I or Class II granular embedment materials for bedding, haunching and initial backfill of 12 inches over the top of pipe to provide the necessary support for the pipe so that the maximum deflection does not exceed 5% of the pipe's original internal diameter.
2. All CA-7 to be IDOT approved or meet IDOT specifications.

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

STANDARD VALVE VAULT DETAIL



NOTES:

1. DRAIN FOR VALVE VAULT SHALL BE CONSTRUCTED ONLY WHEN SHOWN ON PLANS.
2. FOR PRESSURE CONNECTION SEE SEPARATE DETAIL.

DIAMETER OF WATER MAIN	D	T
8 INCHES AND UNDER	4'-0"	4"
10 INCHES AND OVER	5'-0"	5"

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

OSW-W-8

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PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -	

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
VILLAGE OF OSWEGO UTILITY CONSTRUCTION DETAILS

SHEET NO. 1 OF 3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	13
		ILLINOIS		

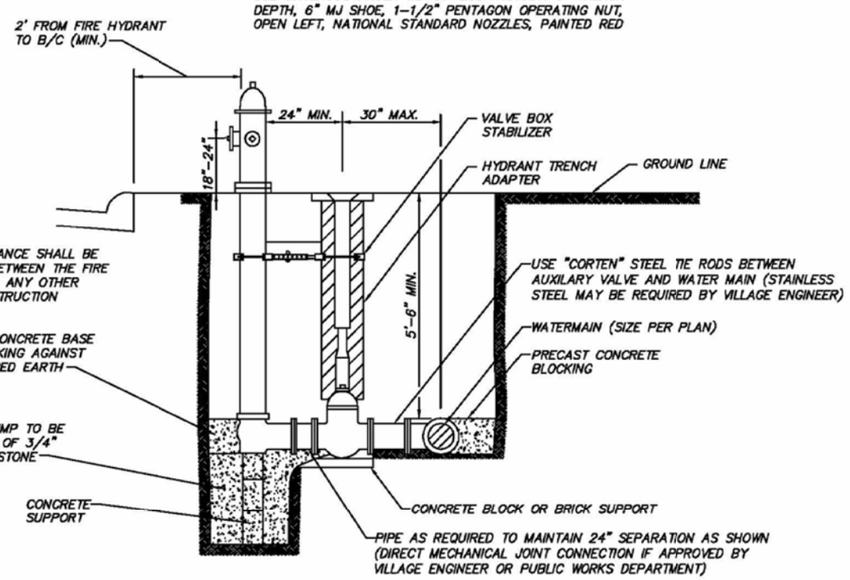
FIRE HYDRANT INSTALLATION DETAIL

CLOW MEDALLION TYPE HYDRANT (5-1/4" BARREL)

WATEROUS PACER WB-67-250 FIRE HYDRANT (5-1/4" BARREL)

ALL AMERICAN FLOW CONTROL VALVES & HARDWARE AUXILLARY VALVE 6' GATE VALVE NO. A-2370-20 MODIFIED WEDGE RESILIENT SEAT

USE WATEROUS PACER WB-67-250 HYDRANT 6" TRENCH DEPTH, 6" MJ SHOE, 1-1/2" PENTAGON OPERATING NUT, OPEN LEFT, NATIONAL STANDARD NOZZLES, PAINTED RED



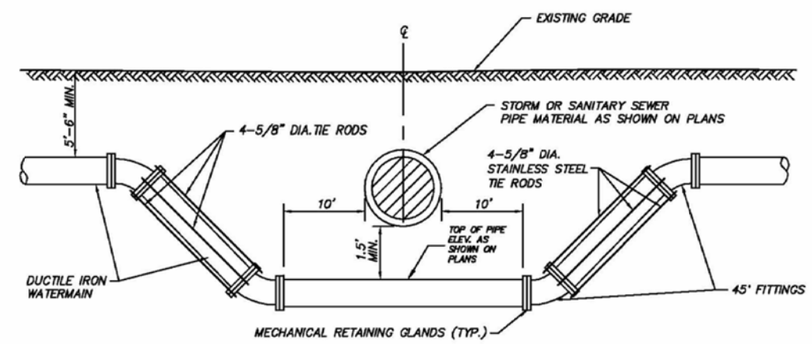
NOTE:
48" MIN. DISTANCE SHALL BE MAINTAINED BETWEEN THE FIRE HYDRANT AND ANY OTHER VERTICAL OBSTRUCTION

NOTE:
FIRE HYDRANTS SHALL BE PLACED APPROXIMATELY 300 FEET APART. LOCATION OF HYDRANTS MUST BE APPROVED BY VILLAGE ENGINEER OR PUBLIC WORKS DEPARTMENT.

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

OSW-W-5

WATER MAIN LOWERING DETAIL



REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

NOTE ; VILLAGE APPROVED MECHANICAL RETAINING GLANDS CAN BE USED IN-LIEU OF STAINLESS STEEL TIE RODS. NO HYDRANTS OR VALVE VAULTS CAN BE LOCATED WITHIN DEPRESSED SECTION OF WATERMAIN.

OSW-W-6

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GRAEF
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Chicago, Illinois 60631
(773) 399-0112

USER NAME = 1654	DESIGNED - JWB	REVISED -	
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PLOT SCALE = 100.000 ft / in.	CHECKED - RS	REVISED -	
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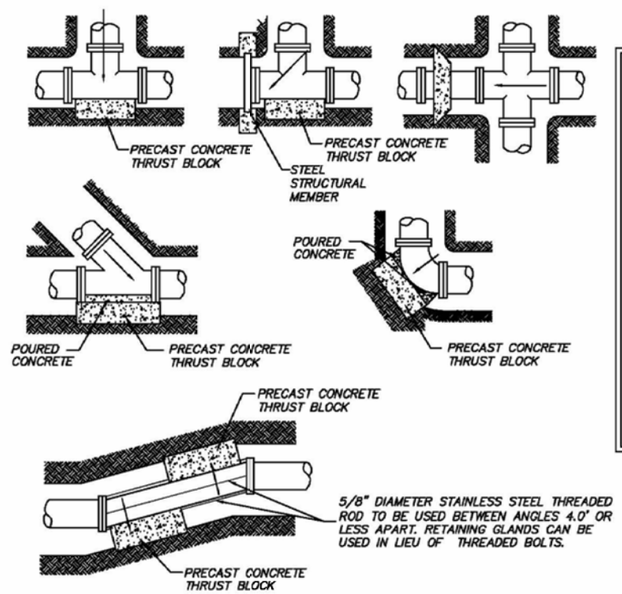
VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO - US 34 WATER MAIN RELOCATION
VILLAGE OF OSWEGO UTILITY CONSTRUCTION DETAILS

SHEET NO. 2 OF 3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591		KENDALL	27	14
		ILLINOIS		

THRUST BLOCK INSTALLATION DETAIL



BEARING AREA (SQ. FT.)

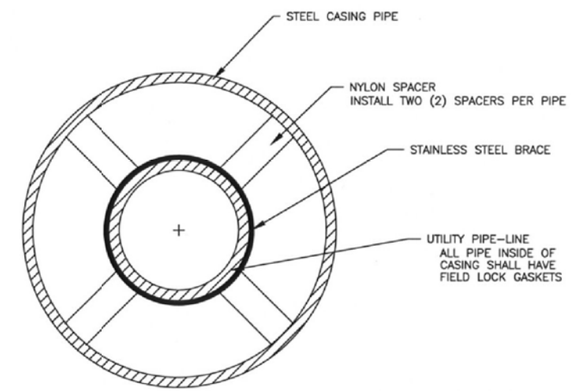
PIPE SIZE	TEE/PLUG	90°	45°	22-1/2°	11-1/4°
6	4	2	1	1	1
8	6	4	3	1	1
10	7	5	3	2	1
12	8	6	4	3	2
14	12	9	6	4	3
16	15	12	7	5	3
18	18	15	9	5	4
24	40	30	15	10	5

ALL BLOCKING SHALL BE 12" PRE-CAST CONCRETE BLOCK AGAINST UNDISTURBED EARTH.

ALL BENDS OR ELBOWS GREATER THAN AND INCLUDING 11-1/4° SHALL HAVE THRUST BLOCKING.

REVISIONS	
INITIAL	DATE
JPH	MARCH 2007

OSW-W-2



NOTES:

AT COMPLETION OF INSTALLATION OF PIPE, CASING ENDS SHALL BE SEALDED WITH ~~CONCRETE BULKHEADS~~ A PSI MODEL "C" OR APPROVED EQUAL EPDM END SEAL.

INSTALLATION OF PIPE WITHIN CASING PIPE

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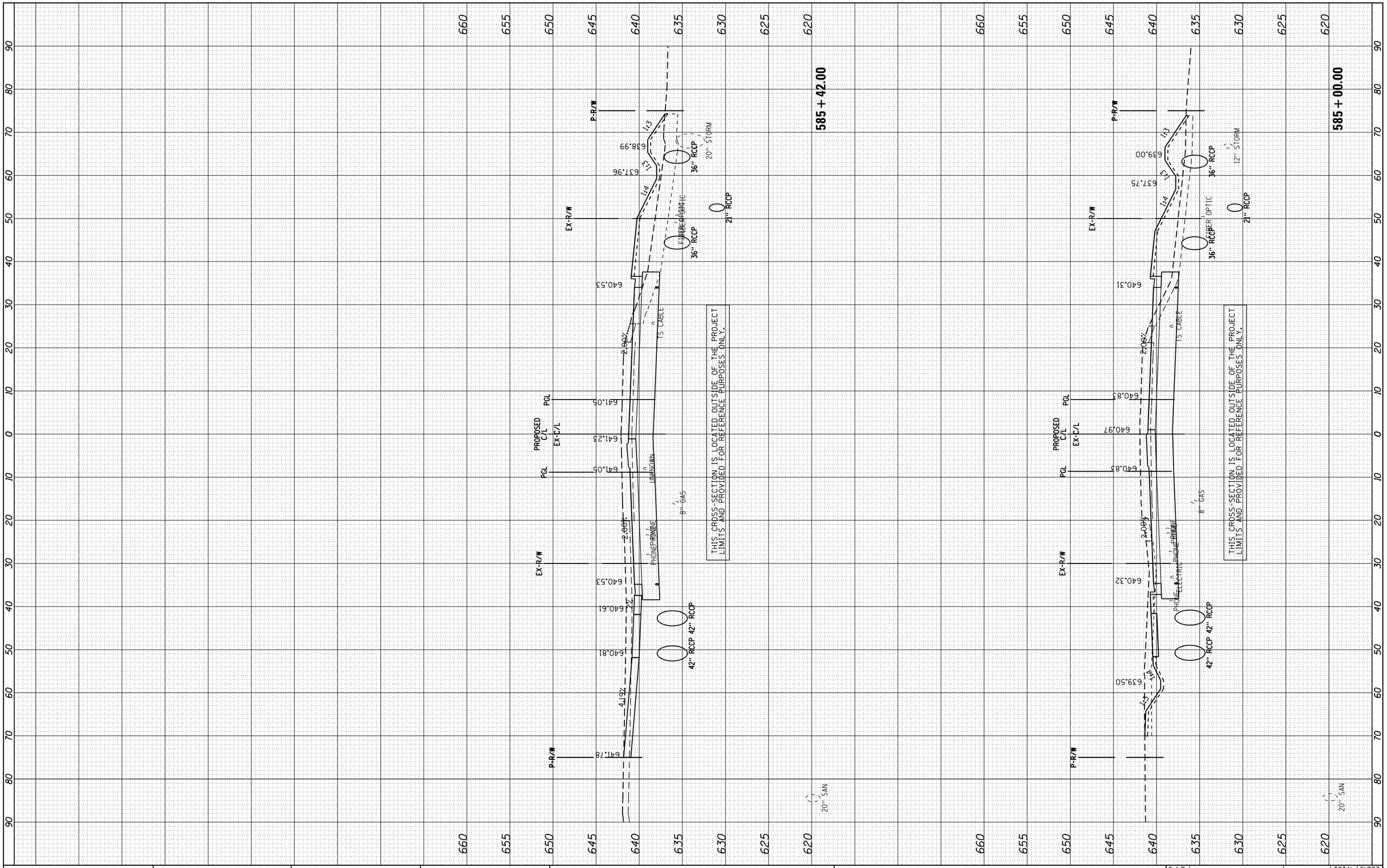
GR@EF 8501 W. Higgins Road, Suite 280 Chicago, Illinois 60631 (773) 399-0112	USER NAME = 1654	DESIGNED - JWB	REVISED -	VILLAGE OF OSWEGO PUBLIC WORKS DEPARTMENT	OSWEGO – US 34 WATER MAIN RELOCATION VILLAGE OF OSWEGO UTILITY CONSTRUCTION DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - JWB	REVISED -			591		KENDALL	27 / 15
	PLOT SCALE = 100.000 ft / in.	CHECKED - RS	REVISED -						
	PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -		SHEET NO. 3 OF 3		ILLINOIS		



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

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

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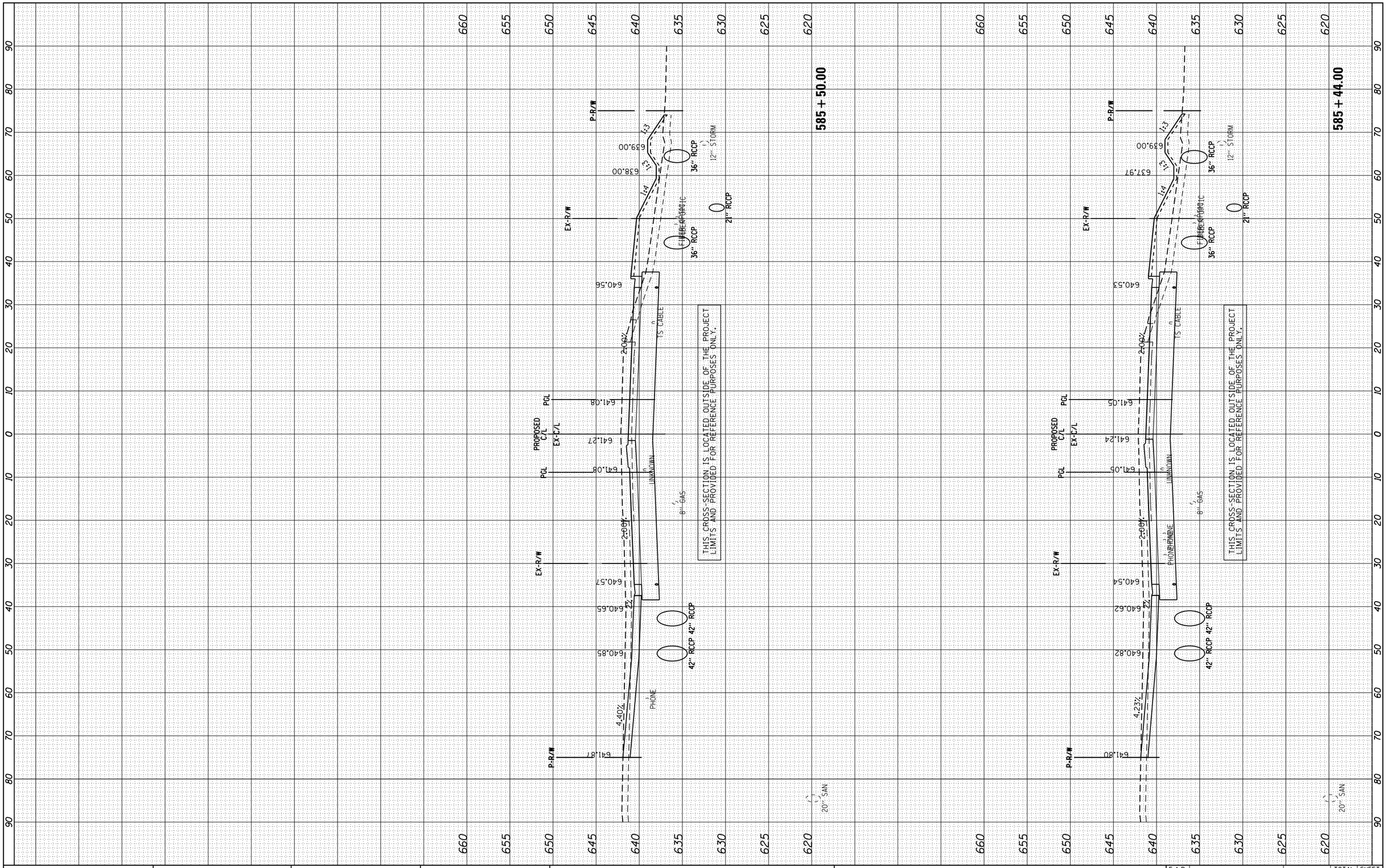
		DRAWN - JWB	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - RS	REVISED -
Default	PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 585+00.00 TO STA. 585+42.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	16
		ILLINOIS		



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

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

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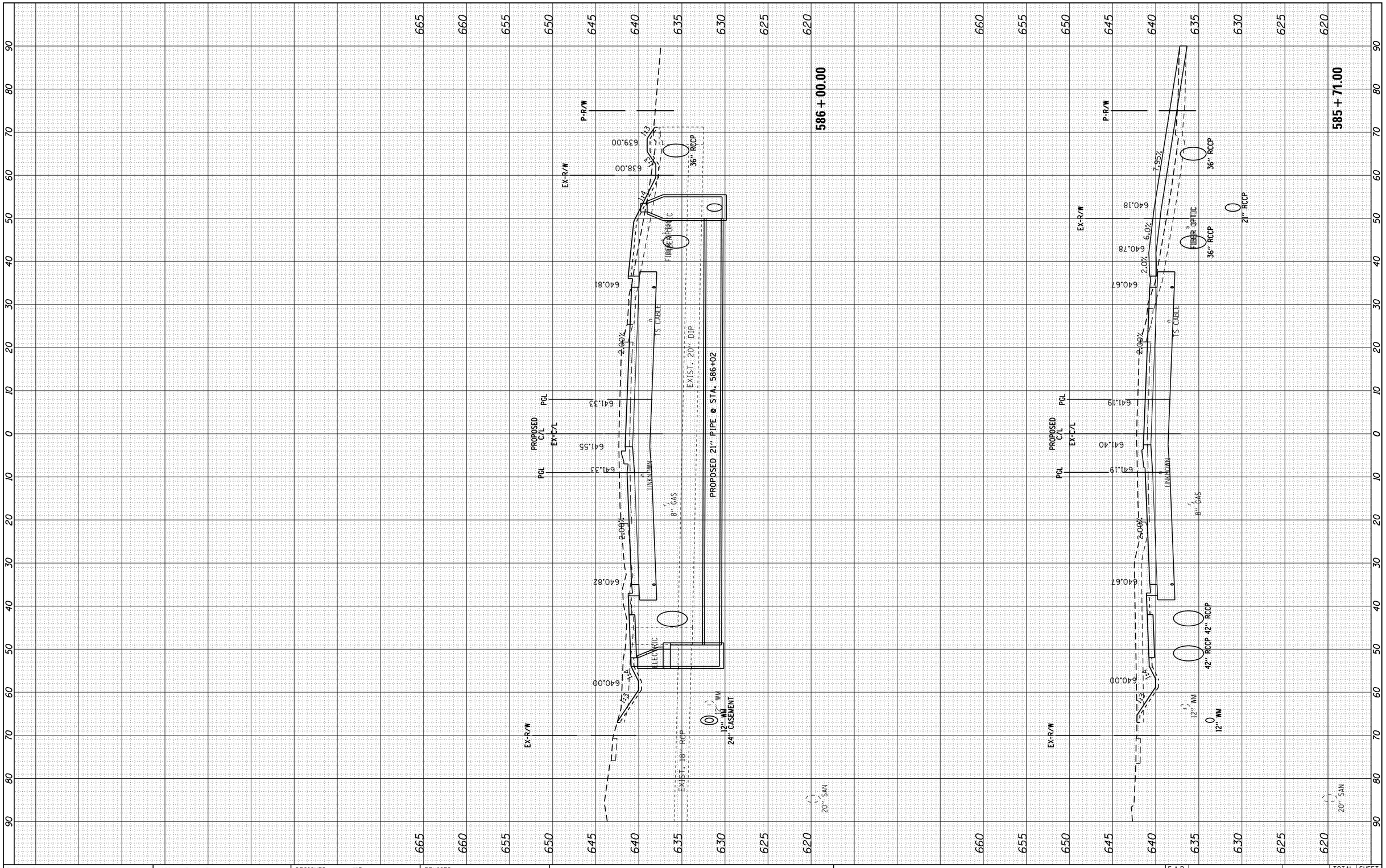
Default	PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 585+44.00 TO STA. 585+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	17
		ILLINOIS		



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

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

FILE NAME = h:\jobs2014\20143012\cad\site\dgn\00\3012-sht-U634-Cross-Sections.dgn	USER NAME = 1654	DESIGNED - JWB	REVISED -
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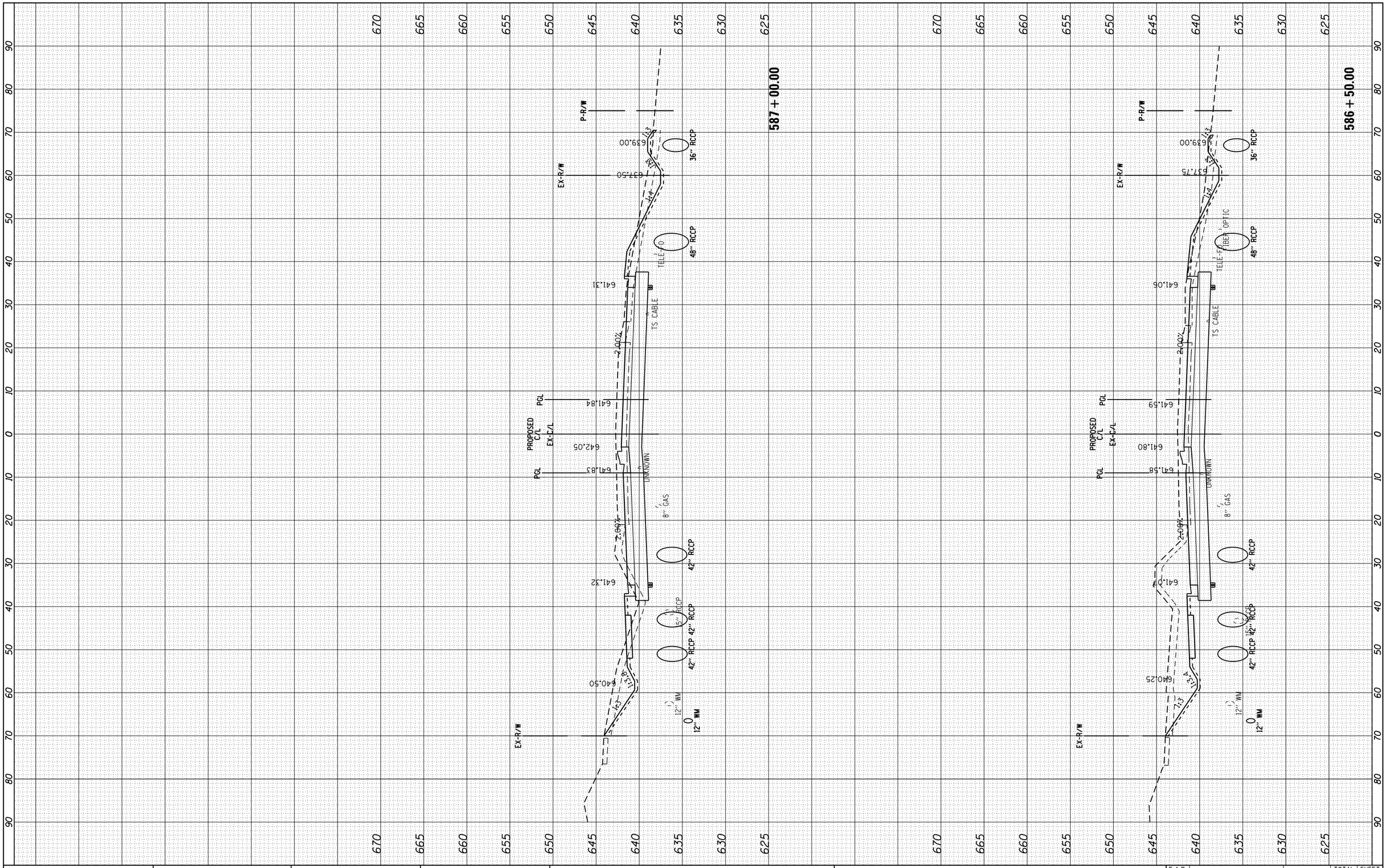
Default	PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 585+71.00 TO STA. 586+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	18
		ILLINOIS		



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

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

FILE NAME =	USER NAME = 1654	DESIGNED - JWB	REVISED -
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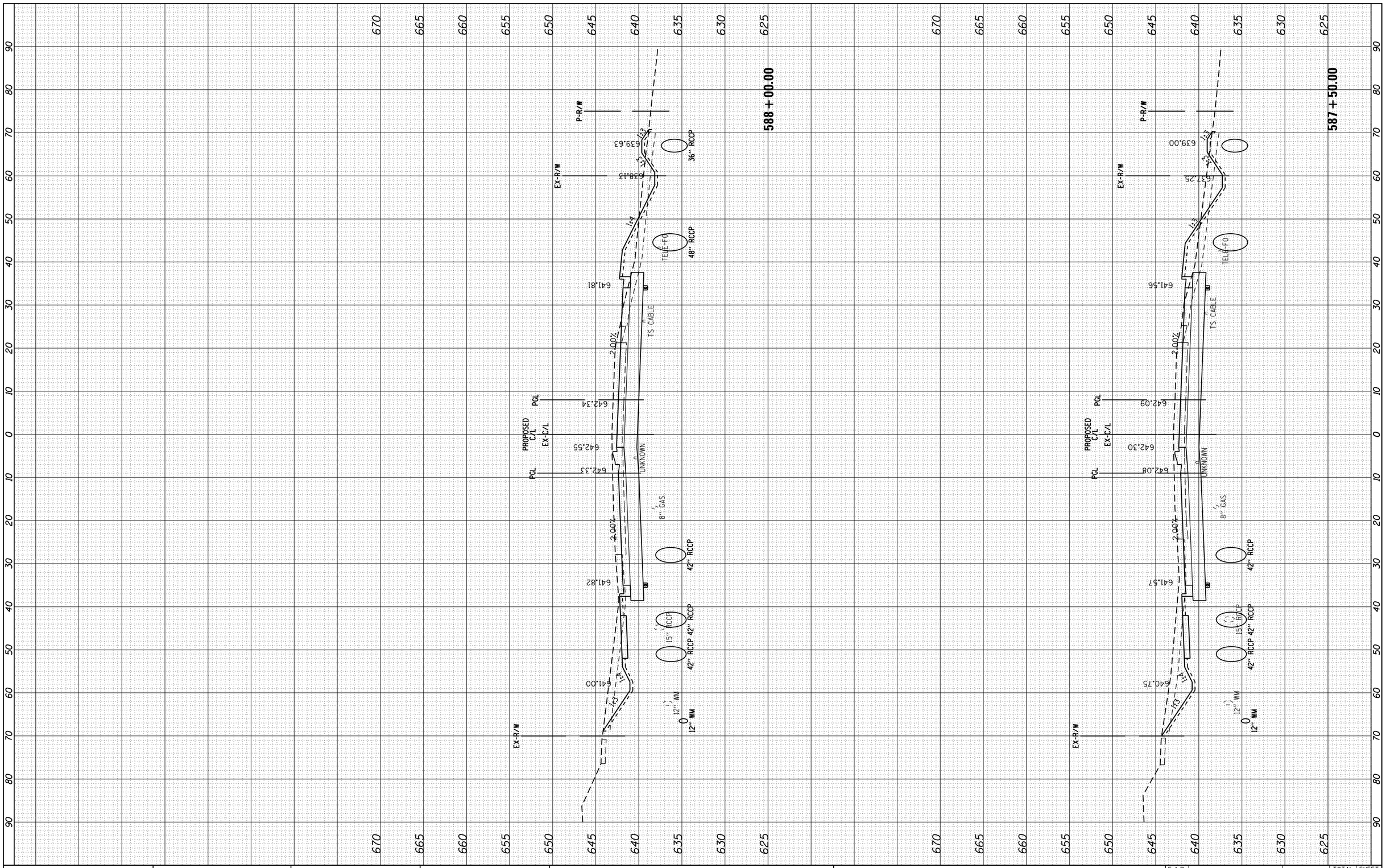
Default	PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 586+50.00 TO STA. 587+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	19
		ILLINOIS		



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

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

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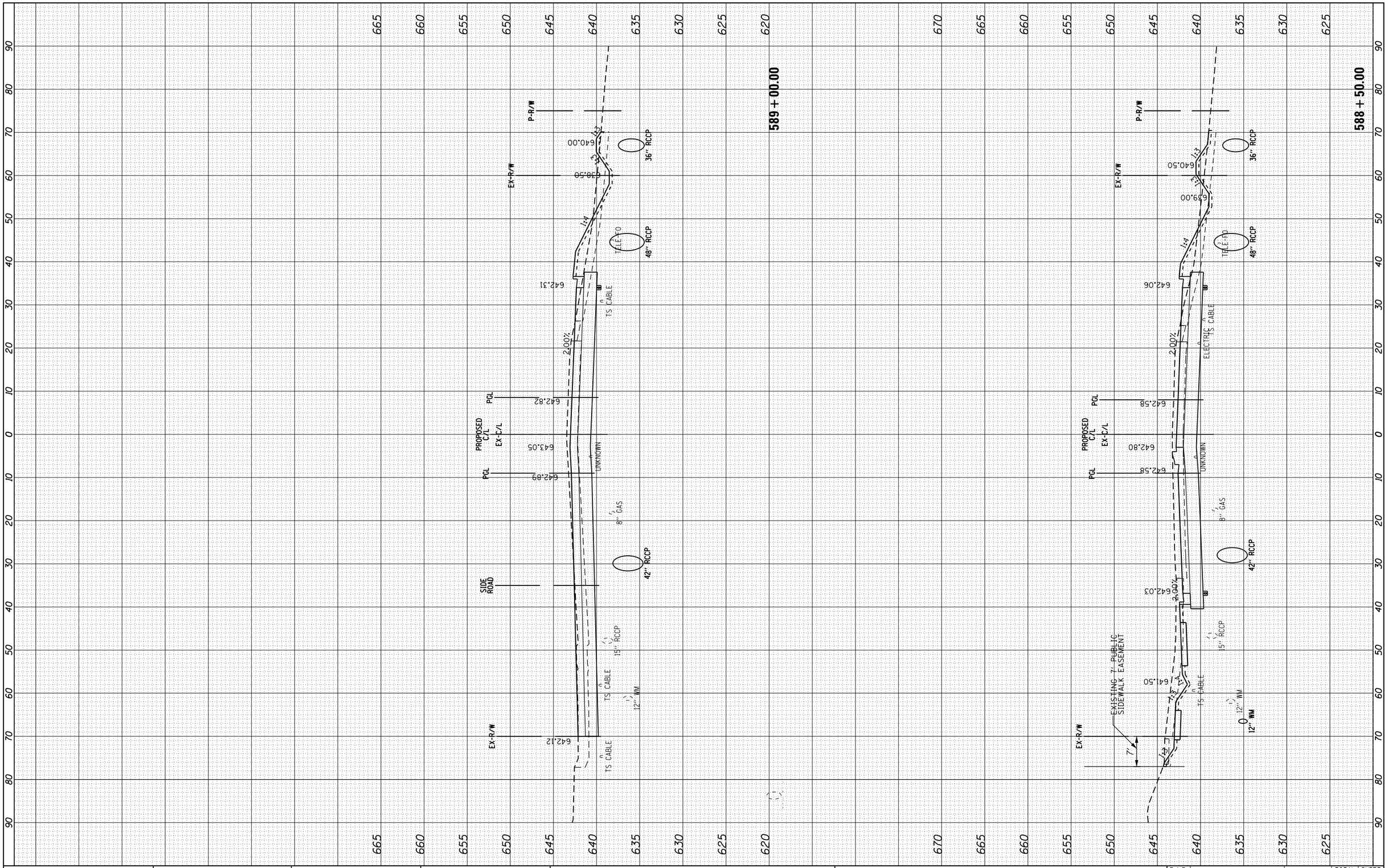
Default	PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 587+50.00 TO STA. 588+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	20
		ILLINOIS		



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

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

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Default	PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

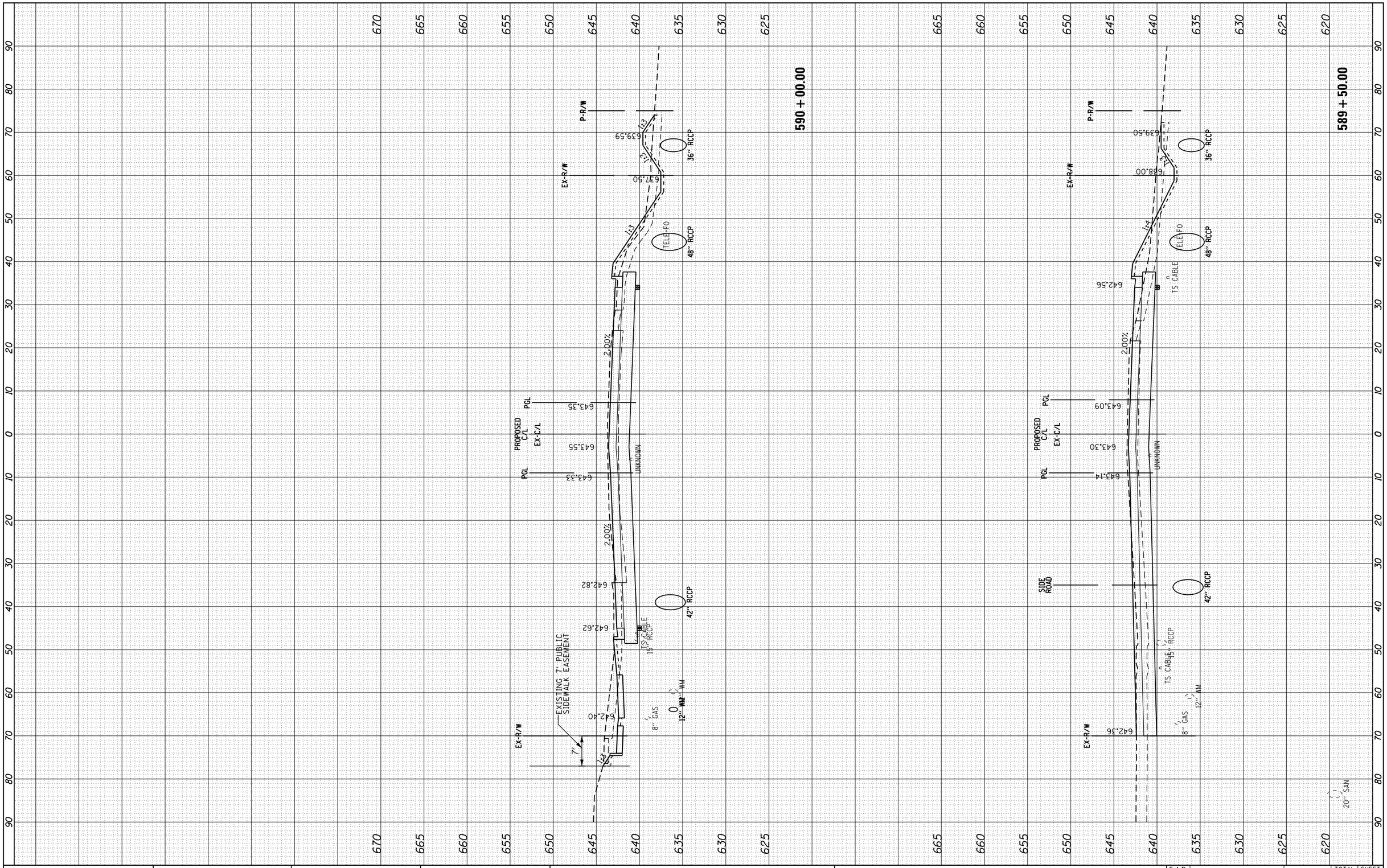
OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: SHEET OF SHEETS STA. 588+50.00 TO STA. 589+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	21
		ILLINOIS		

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

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



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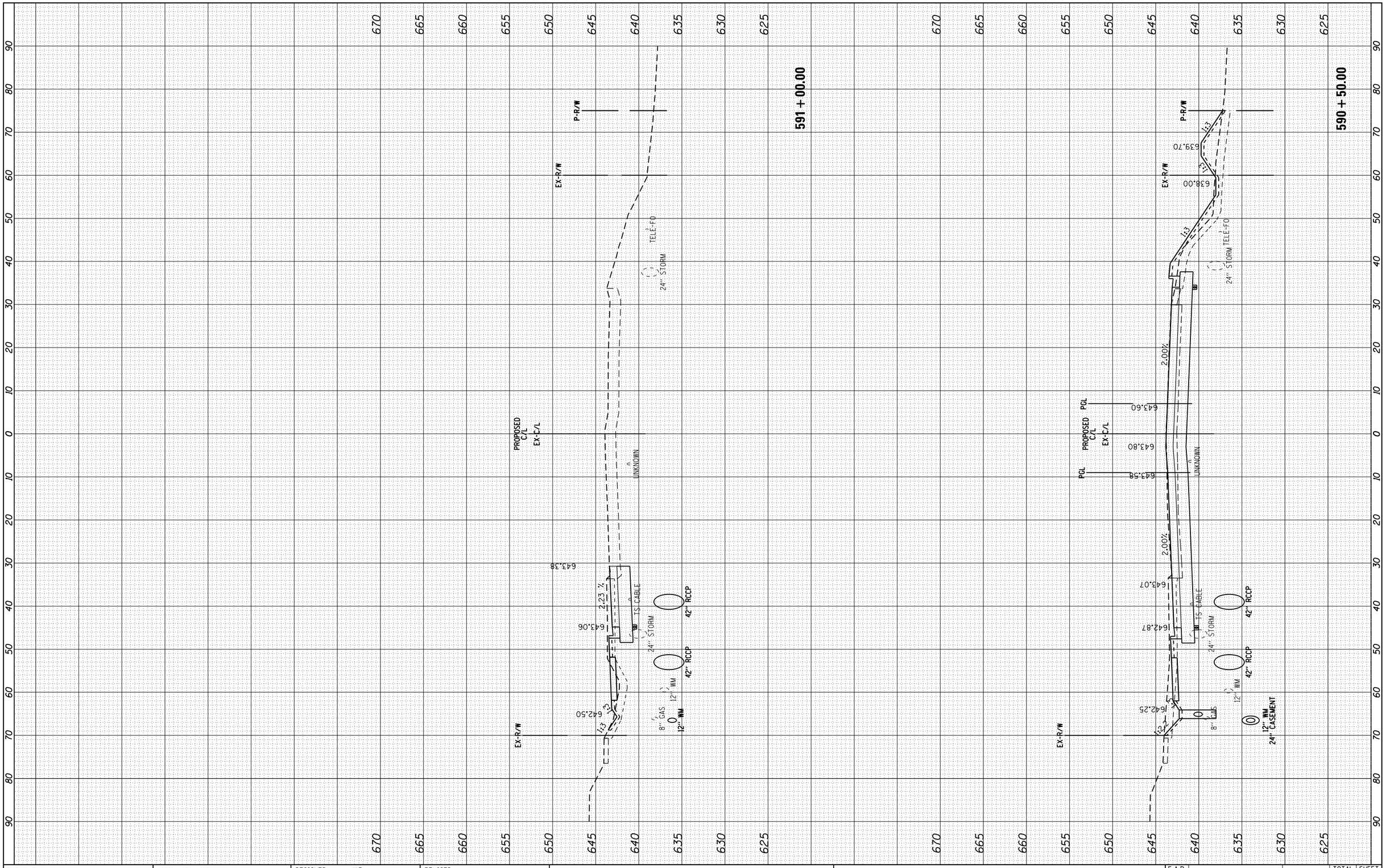
VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 589+50.00 TO STA. 590+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	22
		ILLINOIS		



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

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

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VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 590+50.00 TO STA. 591+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	23
		ILLINOIS		

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

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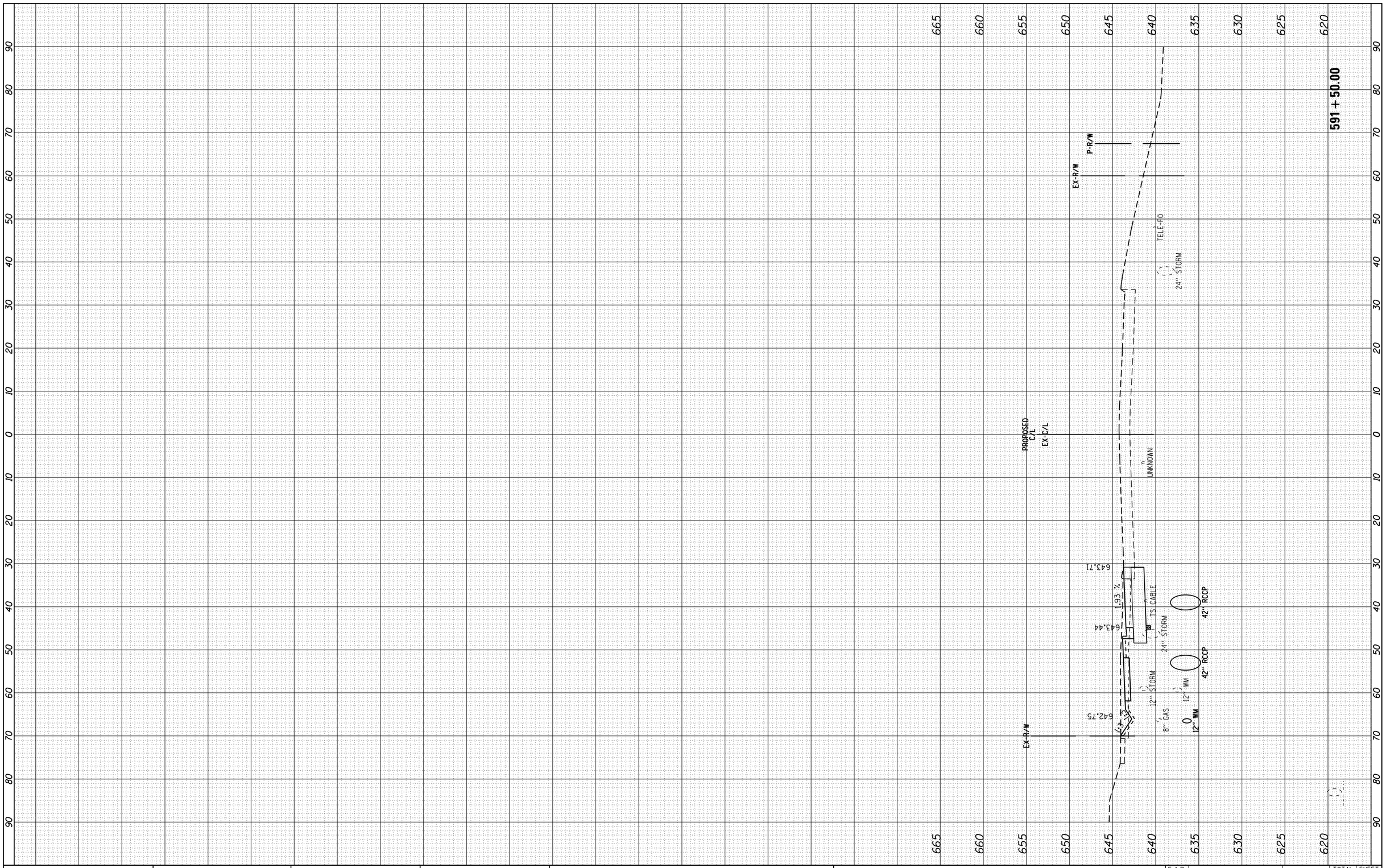
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

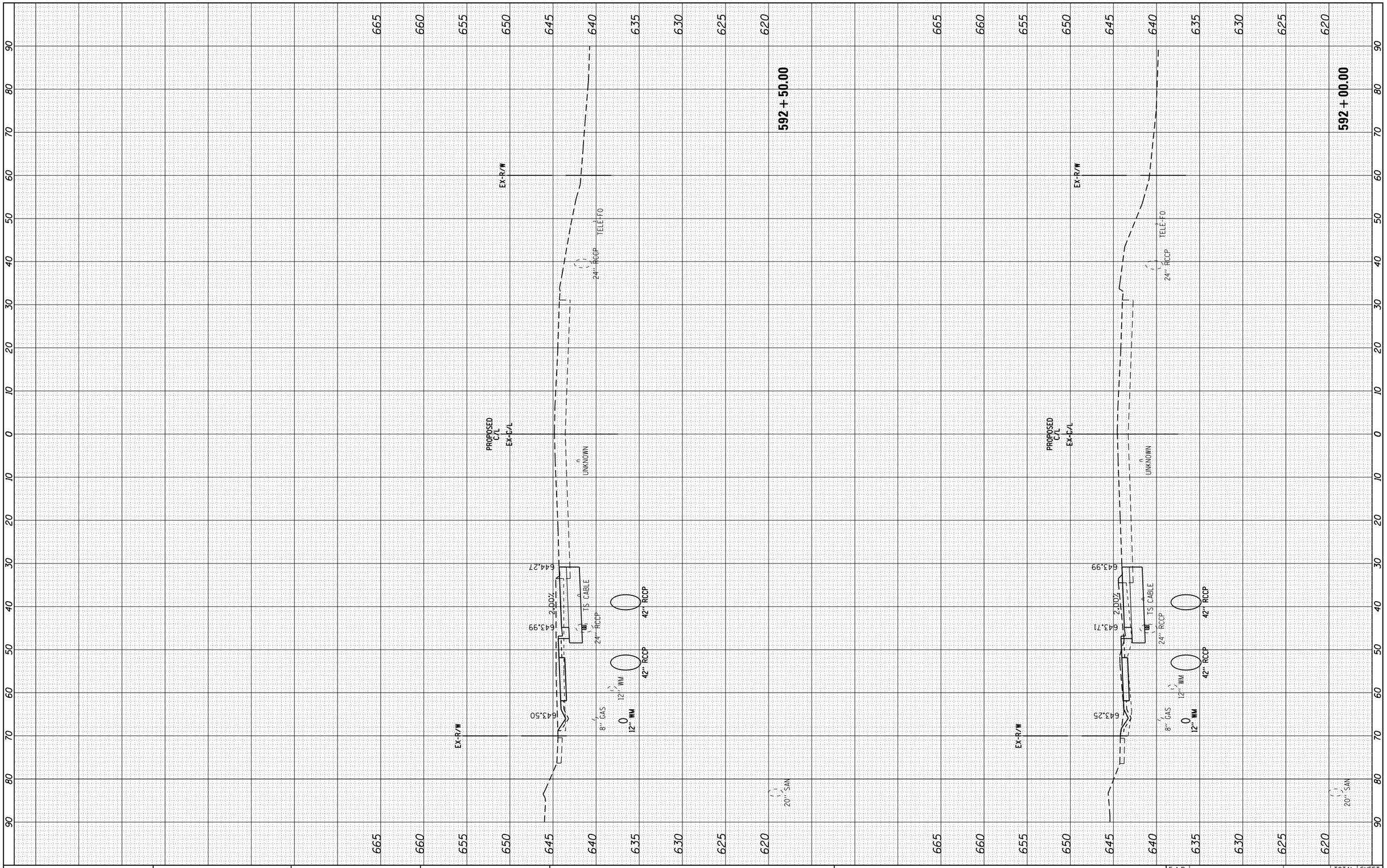
OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: SHEET OF SHEETS STA. 591+50.00 TO STA. 591+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	24
		ILLINOIS		

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

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



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VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

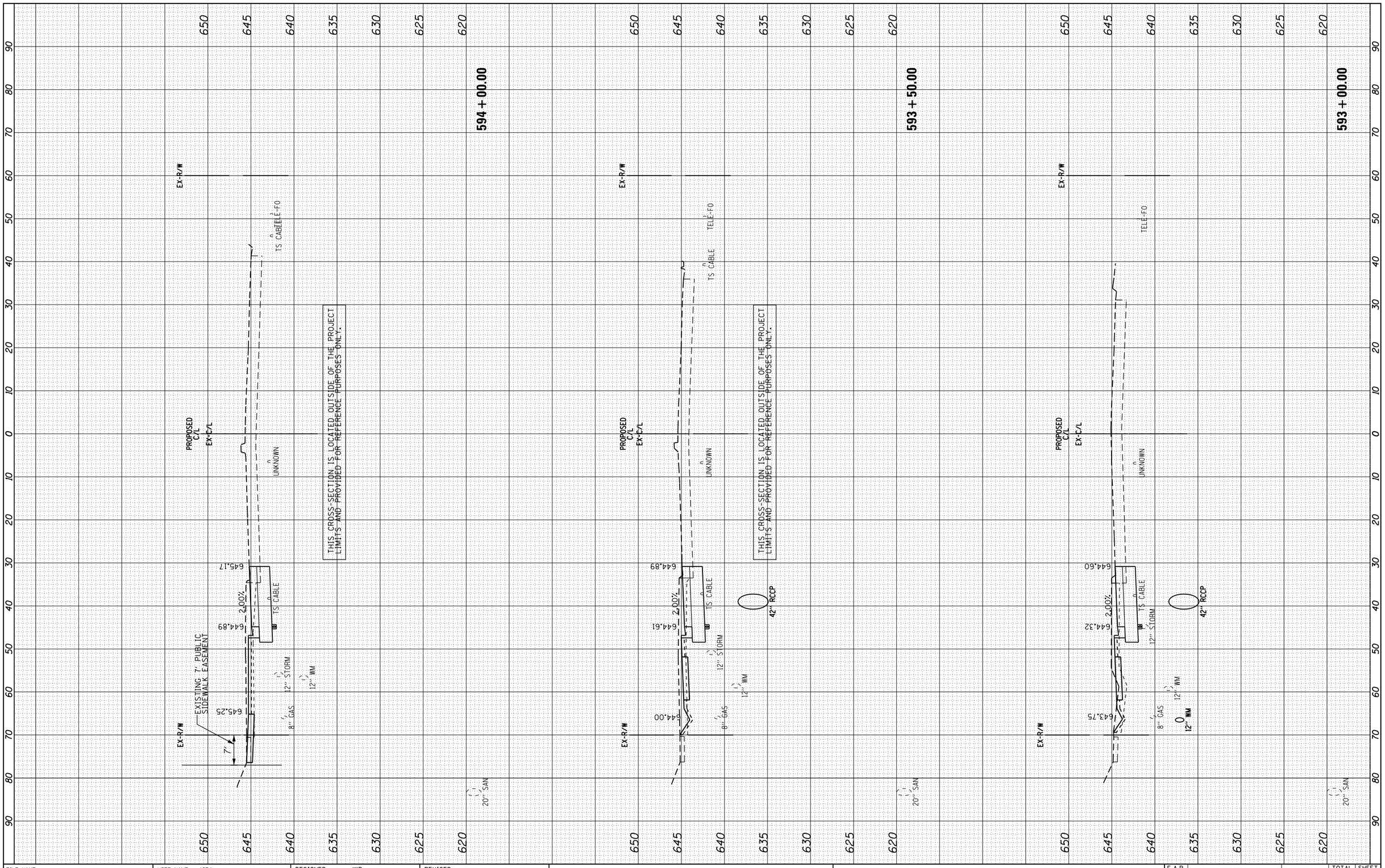
OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 592+00.00 TO STA. 592+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	25
		ILLINOIS		

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

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



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Default	PLOT DATE = 4/22/2015	DATE - 04/23/2015	REVISED -

VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

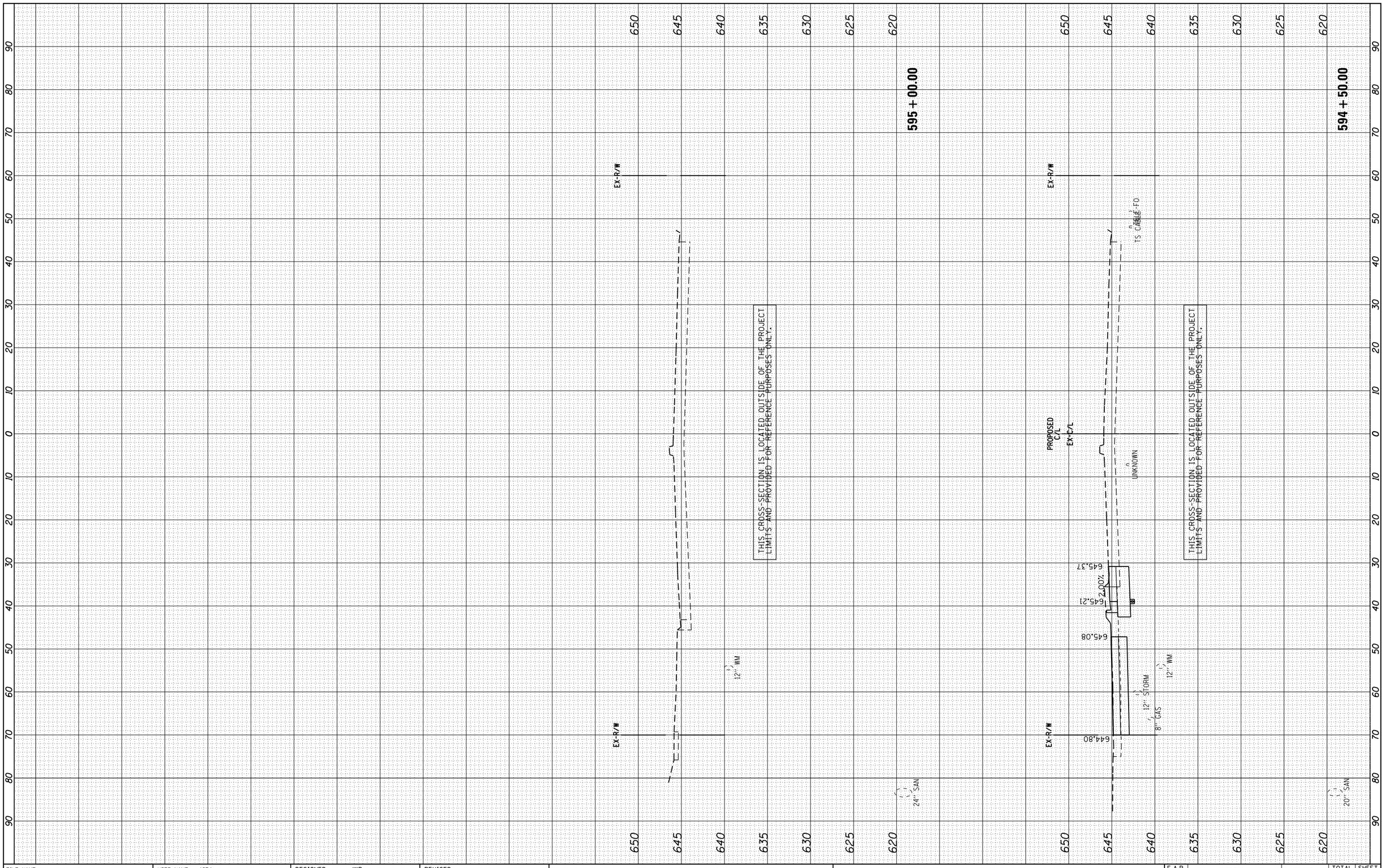
OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 593+00.00 TO STA. 594+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	26
		ILLINOIS		

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

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



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VILLAGE OF OSWEGO
PUBLIC WORKS DEPARTMENT

OSWEGO – US 34 WATER MAIN RELOCATION
CROSS-SECTIONS

SCALE: | SHEET OF SHEETS | STA. 594+50.00 TO STA. 595+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591			27	27
		ILLINOIS		