

ROCK RIVER WATER RECLAMATION DISTRICT

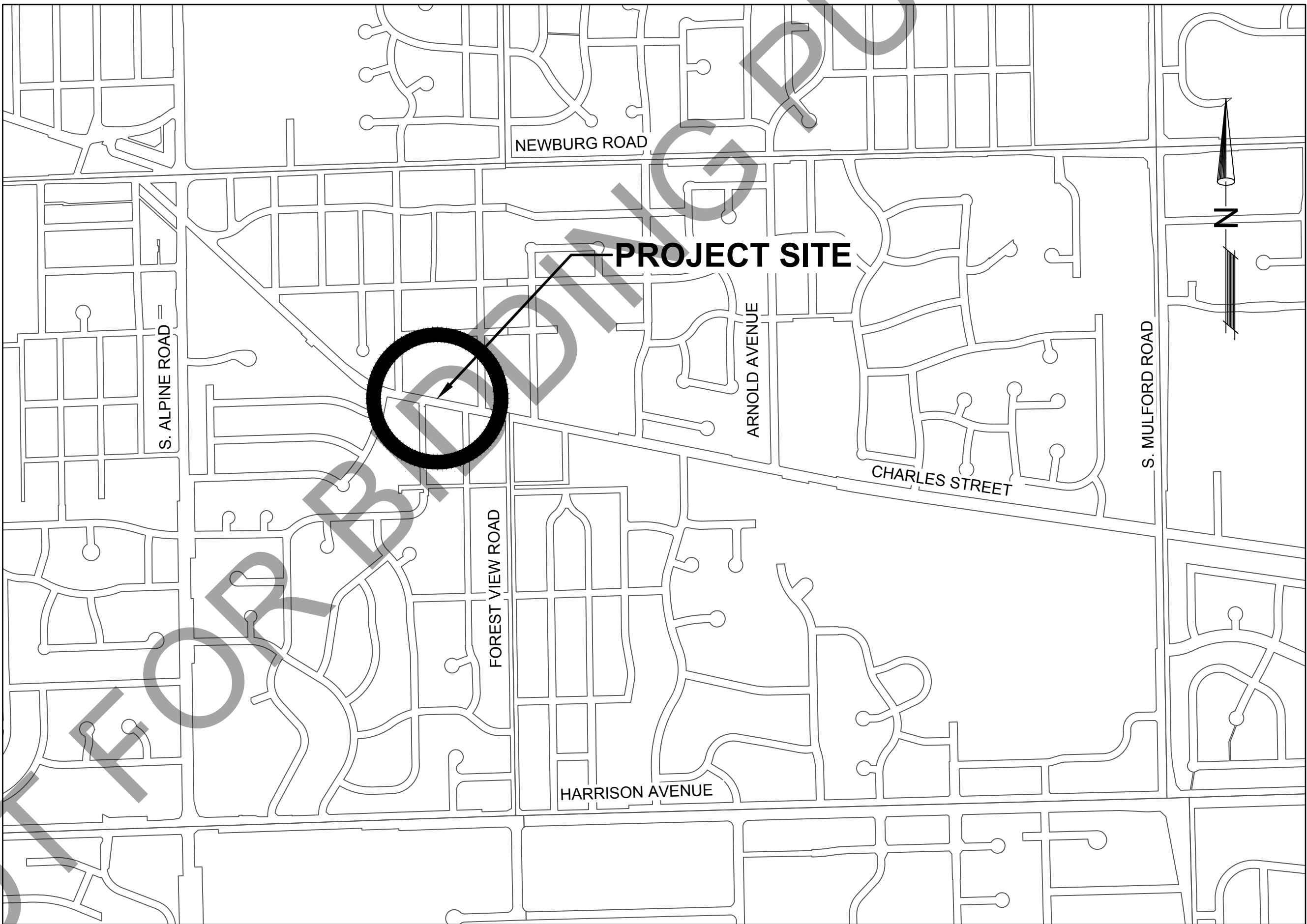
CHARLES STREET SANITARY SEWER EXTENSION SPECIAL ASSESSMENT #132 2019

BOARD OF TRUSTEES

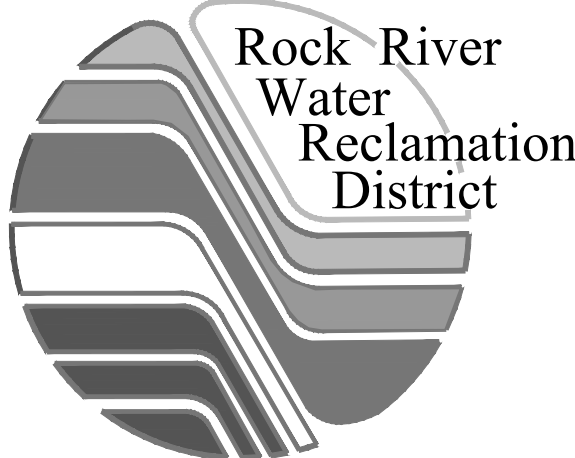
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|-----------------|-----------------|
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| ELMER JONES | VICE-PRESIDENT |
| RICHARD POLLACK | CLERK/TREASURER |
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| | |
|-------------------------|---------------------|
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| CHRISTOPHER T. BAER, PE | ENGINEERING MANAGER |

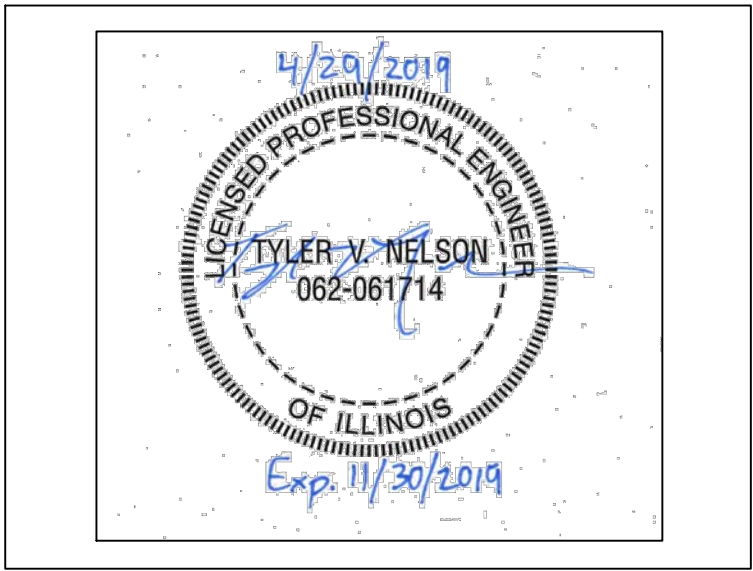


ROCKFORD, ILLINOIS

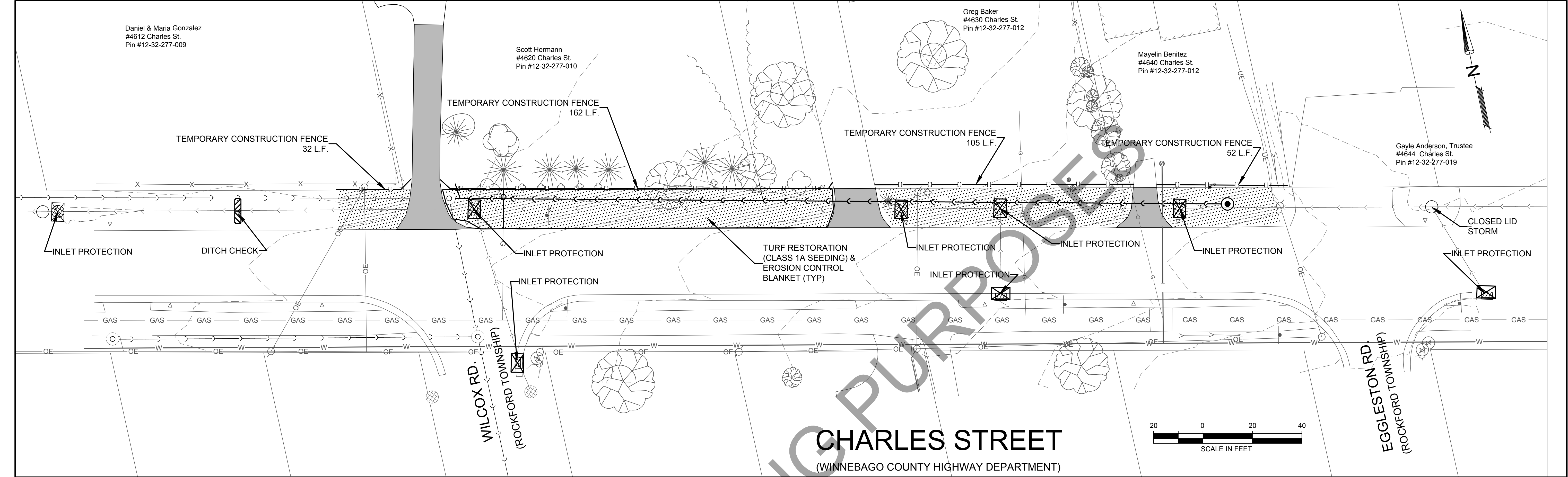


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6. DETAILS - EROSION CONTROL & TRAFFIC CONTROL
7. R.R.W.R.D. STANDARD DETAILS



| <div>LEGEND</div> <div><div><div>EXISTING</div><div>PROPOSED</div></div><div><div><div>RIGHT OF WAY LINE</div><div>PROPERTY LINE</div><div>BUILDING</div><div>WATER EDGE</div><div>EASEMENT - PERMANENT SANITARY</div><div>EASEMENT - TEMPORARY CONSTRUCTION</div><div>VEGETATION / TREE LINE</div><div>TREE DRIPLINE</div><div>CONTOUR - MAJOR</div><div>CONTOUR - MINOR</div><div>FENCE</div><div>FENCE - TEMPORARY CONSTRUCTION</div><div>FENCE - SILT</div><div>ROADWAY CENTERLINE</div><div>EDGE OF PAVEMENT</div><div>CURB & GUTTER</div><div>GUARD RAIL</div><div>RAILROAD TRACKS</div><div>CABLE - OVERHEAD</div><div>CABLE - UNDERGROUND</div><div>ELECTRIC - OVERHEAD</div><div>ELECTRIC - UNDERGROUND</div><div>FIBER OPTIC</div><div>GAS LINE</div><div>TELEPHONE - OVERHEAD</div><div>TELEPHONE - UNDERGROUND</div><div>PEDESTALS (CATV, ELEC, TELE), HANDHOLE, GAS METER, ELEC. METER</div><div>SOIL BORING</div><div>BENCHMARK</div><div>MAILBOX</div><div>UTILITY POLE W/ GUY WIRE & MAST ARM LIGHT POLE</div><div>TREE (DECIDUOUS & CONIFEROUS)</div><div>BRUSH & SHRUB</div><div>SPOT ELEVATION</div><div>EXISTING SURFACE TYPE (HOT-MIX ASPHALT, AGGREGATE, CONCRETE, TURF)</div></div></div></div> | | <div>LEGEND</div> <div><div><div>EXISTING</div><div>PROPOSED</div></div><div><div><div>SANITARY MANHOLE & SANITARY SEWER</div><div>SANITARY SEWER SERVICE & CLEANOUT</div><div>SANITARY FORCEMAIN</div><div>STORM SEWER</div><div>STORM MANHOLE, CATCH BASIN, CURB INLET, INLET SPECIAL</div><div>DRAINAGE CULVERT</div><div>WATER MAIN</div><div>WATER SERVICE & WATER SERVICE VALVE</div><div>WATER MAIN VALVE</div><div>WATER MAIN VALVE WITH BOX</div><div>WATER MAIN VALVE WITH VAULT</div><div>WATER MAIN REDUCER</div><div>FIRE HYDRANT</div><div>DITCH CHECK</div><div>INLET OR PIPE PROTECTION</div><div>STABILIZED CONSTRUCTION ENTRANCE</div><div>EROSION CONTROL BLANKET</div><div>HEAVY DUTY EROSION CONTROL BLANKET</div><div>SEEDING AREA, CLASS 1</div><div>SEEDING AREA, CLASS 3</div><div>PAVEMENT REPLACEMENT</div><div>DRIVEWAY REPLACEMENT</div><div>AGGREGATE REPLACEMENT</div><div>RIP RAP</div></div></div></div> | | <div>ABBREVIATIONS</div> <div><div><div>ABD = ABANDON(ED)</div><div>CMP = CORRUGATED METAL PIPE</div><div>CO = CLEAN OUT</div><div>CY = CUBIC YARD(S)</div><div>DI = DUCTILE IRON</div><div>EA = EACH</div><div>EL = ELEVATION</div><div>EX = EXISTING</div><div>FM = FORCE MAIN</div><div>FT = FEET</div><div>INV = INVERT</div><div>LF = LINEAR FEET</div><div>LINCIPP = LINED WITH CURED IN PLACE PIPE</div><div>LS = LUMP SUM</div></div><div><div>MH = MANHOLE</div><div>PVMNT = PAVEMENT</div><div>PR = PROPOSED</div><div>RCP = REINFORCED CONCRETE PIPE</div><div>REM = REMOVE(D)</div><div>REPL = REPLACE(D)</div><div>R/R = REMOVE & REPLACE</div><div>SAN = SANITARY</div><div>SVC = SERVICE</div><div>SY = SQUARE YARD(S)</div><div>TY = TYPE</div><div>UNK = UNKNOWN</div><div>VCP = VITRIFIED CLAY PIPE</div><div>WM = WATER MAIN</div></div></div> | | <div>GENERAL NOTES</div> <div><div>1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF WORK TO THE LINES AND GRADES SHOWN ON THESE PLANS. CONSTRUCTION SHALL NOT VARY FROM PLANS WITHOUT DISTRICT APPROVAL.</div><div>2. THE ROCK RIVER WATER RECLAMATION DISTRICT, MUNICIPALITIES, PERTINENT ROADWAY AUTHORITIES, AND ALL AFFECTED PROPERTY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE CONSTRUCTION CAN COMMENCE.</div><div>3. ALL SERVICE LOCATIONS ARE APPROXIMATE AND MAY BE CHANGED IN THE FIELD WITH THE APPROVAL OF THE INSPECTOR. NO ADDITIONAL COMPENSATION WILL BE AWARDED DUE TO REVISED LOCATION.</div><div>4. ALL CASTINGS SHALL BE SET TO FINAL GRADE PER ROCK RIVER WATER RECLAMATION DISTRICT REQUIREMENTS.</div><div>5. SANITARY SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN THE STATE OF ILLINOIS, LATEST EDITION, AND THE REQUIREMENTS OF THE ROCK RIVER WATER RECLAMATION DISTRICT.</div><div>6. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT 8-1-1 OR 1-800-892-0123 AND ANY OTHER UTILITIES NOT ON THE J.U.L.I.E. SYSTEM 48 HOURS PRIOR TO THE START OF CONSTRUCTION.</div><div>7. ALL ROADWAY CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE ROADWAY AUTHORITY'S REQUIREMENTS, DISTRICT SPECIFICATIONS, AND THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS, LATEST EDITION.</div><div>8. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE I.E.P.A. STANDARDS AND SPECIFICATIONS, AND THE ILLINOIS URBAN MANUAL FOR SOIL EROSION AND SEDIMENT CONTROL.</div><div>9. PROTECTION OF WATER SUPPLIES SHALL BE PER THE REQUIREMENTS OF TITLE 35, C, SECTION 370.350 OF THE ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS.</div></div> | | <div>SUMMARY OF QUANTITIES</div> <table><tr><th>Item No.</th><th>QTY.</th><th>Unit</th><th>Description</th></tr><tr><td>1</td><td>315.0</td><td>LF</td><td>SANITARY SEWER, PVC SDR35, 8" DIA.</td></tr><tr><td>2</td><td>1.0</td><td>EA</td><td>SANITARY MANHOLE, 4' DIA.</td></tr><tr><td>3</td><td>1.0</td><td>EA</td><td>SANITARY MANHOLE, 5' DIA.</td></tr><tr><td>4</td><td>2.0</td><td>EA</td><td>SANITARY SEWER SERVICE, PVC SDR26 WMQ, 6" DIA.</td></tr><tr><td>5</td><td>1.0</td><td>EA</td><td>RECONNECT EXIST. 6" DIA. SANITARY SEWER SERVICE</td></tr><tr><td>6</td><td>1.0</td><td>EA</td><td>SANITARY MANHOLE REMOVAL, 4' DIA.</td></tr><tr><td>7</td><td>173.0</td><td>SY</td><td>DRIVEWAY PAVEMENT REMOVAL</td></tr><tr><td>8</td><td>4.0</td><td>EA</td><td>INLET REMOVAL</td></tr><tr><td>9</td><td>344.0</td><td>LF</td><td>STORM SEWER REMOVAL</td></tr><tr><td>10</td><td>202.0</td><td>SY</td><td>AGGREGATE BASE COURSE, TY. B, 6"</td></tr><tr><td>11</td><td>21.0</td><td>TON</td><td>HMA SURFACE COURSE, N50, IL-9.5, MIX "C", 2"</td></tr><tr><td>12</td><td>3.0</td><td>TON</td><td>AGGREGATE WEDGE SHOULDER, TYPE B</td></tr><tr><td>13</td><td>4.0</td><td>EA</td><td>INLETS, TYPE B WITH TYPE 8 FRAME & GRATE</td></tr><tr><td>14</td><td>344.0</td><td>LF</td><td>STORM SEWERS, CLASS B, TYPE 1, 18" DIA., CPP</td></tr><tr><td>15</td><td>1.0</td><td>LS</td><td>TREE REMOVAL / CLEARING AND GRUBBING</td></tr><tr><td>16</td><td>351.0</td><td>LF</td><td>TEMPORARY CONSTRUCTION FENCE</td></tr><tr><td>17</td><td>8.0</td><td>EA</td><td>INLET PROTECTION</td></tr><tr><td>18</td><td>1.0</td><td>EA</td><td>DITCH CHECK</td></tr><tr><td>19</td><td>560.0</td><td>SY</td><td>EROSION CONTROL BLANKET</td></tr><tr><td>20</td><td>1.0</td><td>LS</td><td>TURF RESTORATION, COMPLETE</td></tr><tr><td>21</td><td>350.0</td><td>LF</td><td>EPOXY PAVEMENT MARKING - LINE 4"</td></tr><tr><td>22</td><td>1.0</td><td>LS</td><td>TRAFFIC CONTROL & PROTECTION, COMPLETE</td></tr></table> | | Item No. | QTY. | Unit | Description | 1 | 315.0 | LF | SANITARY SEWER, PVC SDR35, 8" DIA. | 2 | 1.0 | EA | SANITARY MANHOLE, 4' DIA. | 3 | 1.0 | EA | SANITARY MANHOLE, 5' DIA. | 4 | 2.0 | EA | SANITARY SEWER SERVICE, PVC SDR26 WMQ, 6" DIA. | 5 | 1.0 | EA | RECONNECT EXIST. 6" DIA. SANITARY SEWER SERVICE | 6 | 1.0 | EA | SANITARY MANHOLE REMOVAL, 4' DIA. | 7 | 173.0 | SY | DRIVEWAY PAVEMENT REMOVAL | 8 | 4.0 | EA | INLET REMOVAL | 9 | 344.0 | LF | STORM SEWER REMOVAL | 10 | 202.0 | SY | AGGREGATE BASE COURSE, TY. B, 6" | 11 | 21.0 | TON | HMA SURFACE COURSE, N50, IL-9.5, MIX "C", 2" | 12 | 3.0 | TON | AGGREGATE WEDGE SHOULDER, TYPE B | 13 | 4.0 | EA | INLETS, TYPE B WITH TYPE 8 FRAME & GRATE | 14 | 344.0 | LF | STORM SEWERS, CLASS B, TYPE 1, 18" DIA., CPP | 15 | 1.0 | LS | TREE REMOVAL / CLEARING AND GRUBBING | 16 | 351.0 | LF | TEMPORARY CONSTRUCTION FENCE | 17 | 8.0 | EA | INLET PROTECTION | 18 | 1.0 | EA | DITCH CHECK | 19 | 560.0 | SY | EROSION CONTROL BLANKET | 20 | 1.0 | LS | TURF RESTORATION, COMPLETE | 21 | 350.0 | LF | EPOXY PAVEMENT MARKING - LINE 4" | 22 | 1.0 | LS | TRAFFIC CONTROL & PROTECTION, COMPLETE |
|--|-------|---|---|---|--|--|--|---|--|----------|------|------|-------------|---|-------|----|------------------------------------|---|-----|----|---------------------------|---|-----|----|---------------------------|---|-----|----|--|---|-----|----|---|---|-----|----|-----------------------------------|---|-------|----|---------------------------|---|-----|----|---------------|---|-------|----|---------------------|----|-------|----|----------------------------------|----|------|-----|--|----|-----|-----|----------------------------------|----|-----|----|--|----|-------|----|--|----|-----|----|--------------------------------------|----|-------|----|------------------------------|----|-----|----|------------------|----|-----|----|-------------|----|-------|----|-------------------------|----|-----|----|----------------------------|----|-------|----|----------------------------------|----|-----|----|--|
| Item No. | QTY. | Unit | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 315.0 | LF | SANITARY SEWER, PVC SDR35, 8" DIA. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1.0 | EA | SANITARY MANHOLE, 4' DIA. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1.0 | EA | SANITARY MANHOLE, 5' DIA. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2.0 | EA | SANITARY SEWER SERVICE, PVC SDR26 WMQ, 6" DIA. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 1.0 | EA | RECONNECT EXIST. 6" DIA. SANITARY SEWER SERVICE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 1.0 | EA | SANITARY MANHOLE REMOVAL, 4' DIA. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 173.0 | SY | DRIVEWAY PAVEMENT REMOVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 4.0 | EA | INLET REMOVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 344.0 | LF | STORM SEWER REMOVAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 202.0 | SY | AGGREGATE BASE COURSE, TY. B, 6" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 21.0 | TON | HMA SURFACE COURSE, N50, IL-9.5, MIX "C", 2" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 3.0 | TON | AGGREGATE WEDGE SHOULDER, TYPE B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 4.0 | EA | INLETS, TYPE B WITH TYPE 8 FRAME & GRATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 344.0 | LF | STORM SEWERS, CLASS B, TYPE 1, 18" DIA., CPP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 1.0 | LS | TREE REMOVAL / CLEARING AND GRUBBING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 351.0 | LF | TEMPORARY CONSTRUCTION FENCE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 8.0 | EA | INLET PROTECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 1.0 | EA | DITCH CHECK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 560.0 | SY | EROSION CONTROL BLANKET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1.0 | LS | TURF RESTORATION, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 350.0 | LF | EPOXY PAVEMENT MARKING - LINE 4" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 1.0 | LS | TRAFFIC CONTROL & PROTECTION, COMPLETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div><div><div>Rock River Water Reclamation District</div><div>ROCK RIVER WATER RECLAMATION DISTRICT</div><div>3501 KISHWAUKEE STREET</div><div>ROCKFORD, ILLINOIS 61109</div><div>(815) 387-7660</div></div></div> | | <div>No.</div> <div>DATE</div> <div>REVISION</div> <div>INT.</div> | | <div>CHARLES STREET SANITARY SEWER EXTENSION</div> <div>SPECIAL ASSESSMENT #132</div> | | <div>LEGEND & GENERAL NOTES & SUMMARY OF QUANTITIES</div> <div>FOR BID</div> | | <div>Sheet No.</div> <div>2 OF 7</div> <div>Date</div> <div>4/29/2019</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



EROSION CONTROL GENERAL NOTES

GENERAL NOTES

THE ESTIMATED AREA OF DISTURBANCE FOR THIS PROJECT IS LESS THAN 1 ACRE. A NOTICE OF INTENT (N.O.I) WILL NOT BE FILED. AN EROSION CONTROL PLAN HAS BEEN PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS URBAN MANUAL, CURRENT EDITION, I.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND THE PROJECT SPECIFICATIONS AND DETAILS.

THE EROSION CONTROL DEVICES, MATERIALS AND PROCEDURES SHOWN IN THESE PLANS ARE TO BE CONSIDERED A MINIMUM. ADDITIONAL DEVICES OR MATERIALS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. AT THE DIRECTION OF THE ENGINEER. ANY DEVICES, MATERIALS, OR PROCEDURES REQUIRED BY THE ENGINEER DUE TO THE CONTRACTOR'S ACTIONS OR NEGLIGENCE WILL BE AT NO ADDITIONAL COST TO THE DISTRICT.

ALL DISTURBED AREAS SHALL BE SEEDED UNLESS AGRICULTURAL OR OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR IS RESTRICTED TO WORK IN TEMPORARY EASEMENTS OR WORK AREAS DELINEATED ON PLANS. THE CONTRACTOR SHALL TAKE WHATEVER ACTIONS AND MEASURES ARE DEEMED NECESSARY BY THE DISTRICT OR AUTHORIZED AGENCY TO ELIMINATE EXCESSIVE SILTATION OR EROSION AND TO STABILIZE THE PROJECT AREA. DISCHARGE OF HAZARDOUS SUBSTANCES INTO STORM WATER IS SUBJECT TO I.E.P.A. REPORTING AND CLEANUP REQUIREMENTS.

CONTROL MEASURES

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE BEFORE CONSTRUCTION IN EACH AREA, AS DETERMINED BY THE ENGINEER, AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. CONSTRUCTION ACTIVITIES SHALL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE PRACTICAL. THE FOLLOWING CONTROLS WILL BE PROVIDED AS A MINIMUM FOR THE DURATION OF THIS PROJECT:

- SEDIMENT CONTROL SHALL BE PROVIDED DOWNSLOPE OF ALL STOCKPILE AREAS.
- STABILIZED CONSTRUCTION ENTRANCES MUST BE INSTALLED AS DETAILED AND WHERE REQUIRED BY THE ROADWAY AUTHORITY OR DISTRICT.
- INLET PROTECTION MUST BE INSTALLED FOR ALL INLETS THAT COULD BE SUBJECT TO SILTATION, AS DETERMINED BY THE ENGINEER.
- ALL ROADWAYS SHALL BE KEPT CLEAN OF DEBRIS, MUD, SOIL, AND CONSTRUCTION MATERIALS AND SHALL BE INSPECTED AT THE END OF EACH DAY AND CLEANED AS NECESSARY.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 7 DAYS IF THEY ARE TO REMAIN DISTURBED FOR MORE THAN 14 DAYS.

INSPECTIONS

INSPECTIONS MUST BE COMPLETED BY A QUALIFIED PERSON EVERY 7 DAYS AND WITHIN 24 HOURS OF EACH RAIN EVENT WITH OVER 0.5" OF RAIN OR SNOWFALL EQUIVALENT. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REPAIRED AND MODIFIED AS NEEDED TO BE EFFECTIVE AND TO PREVENT EROSION AND POLLUTANTS FROM DISCHARGING FROM SITE.

MAINTENANCE

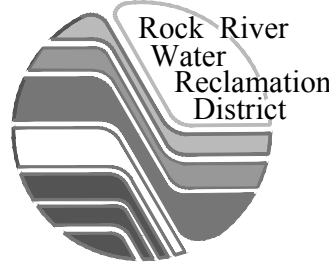
CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND PROTECTIVE MEASURES AS REQUIRED TO MAINTAIN THE INTENDED FUNCTION. SEDIMENT COLLECTED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS NEEDED. ANY DEBRIS OR SILT DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, DITCHES, ETC. THAT COULD OBSTRUCT FLOW SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TEMPORARY EROSION CONTROL DEVICES WITHIN 30 DAYS OF FINAL SITE STABILIZATION APPROVAL BY THE DISTRICT. THE SITE SHALL HAVE A MIN. OF 70% VEGETATIVE COVER TO BE CONSIDERED STABILIZED.

OTHER DISCHARGES

NON STORM WATER DISCHARGES INCLUDING WASHING OF VEHICLES, CONCRETE WASH-OUT, WATER FOR DUST CONTROL, AND TRENCH DEWATERING DISCHARGES SHALL BE DIRECTED AWAY FROM UNPROTECTED, BARE, OR UNSTABILIZED SOIL AND APPROPRIATE MEASURES SHALL BE IMPLEMENTED TO PREVENT EROSION OR DEGRADATION OF RUNOFF FROM THE SITE. DEWATERING DISCHARGE MUST BE INTO SILT CONTAINMENT BAGS WITH PROPERLY ENGINEERED ANIONIC POLYMER AND FABRIC PORE SIZE. UNDER NO CIRCUMSTANCE SHALL DEWATERING DISCHARGE BE ALLOWED TO FLOW DIRECTLY INTO WATERWAYS. A DEWATERING DISCHARGE PLAN SHALL BE SUBMITTED TO THE DISTRICT FOR APPROVAL.

LEGEND

- CONSTRUCTION FENCE
- DITCH CHECK
- INLET OR PIPE PROTECTION
- EROSION CONTROL BLANKET & SEEDING (CLASS 1A)



ROCK RIVER WATER
RECLAMATION DISTRICT
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

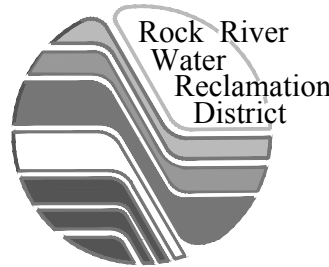
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CHARLES STREET SANITARY SEWER EXTENSION
SPECIAL ASSESSMENT #132

EROSION CONTROL AND RESTORATION PLAN

| |
|---------------------|
| Sheet No. 4 OF 7 |
| Date 4/29/2019 |

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ROCK RIVER WATER
RECLAMATION DISTRICT
3501 KISHWAUKEE STREET
ROCKFORD, ILLINOIS 61109
(815) 387-7660

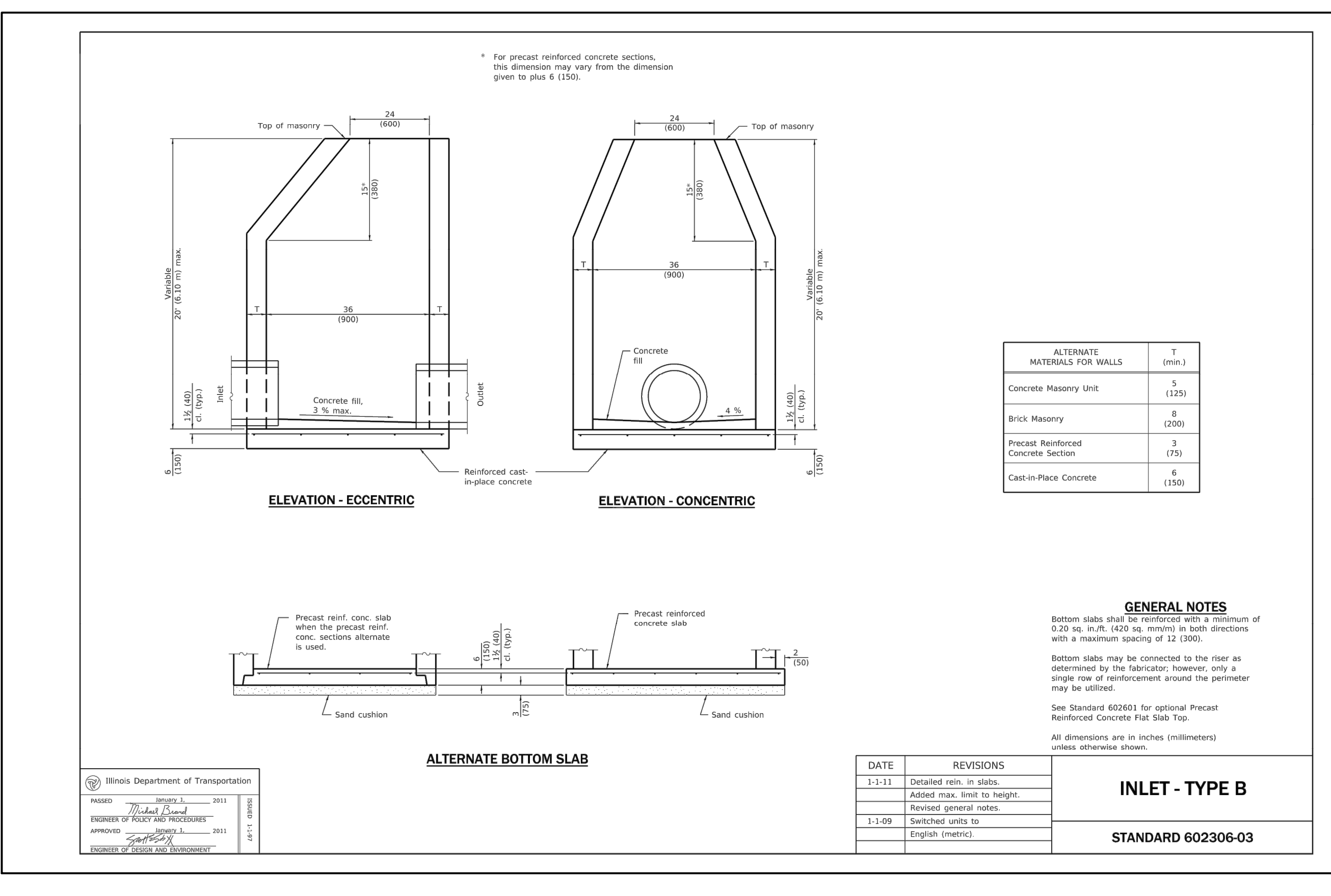
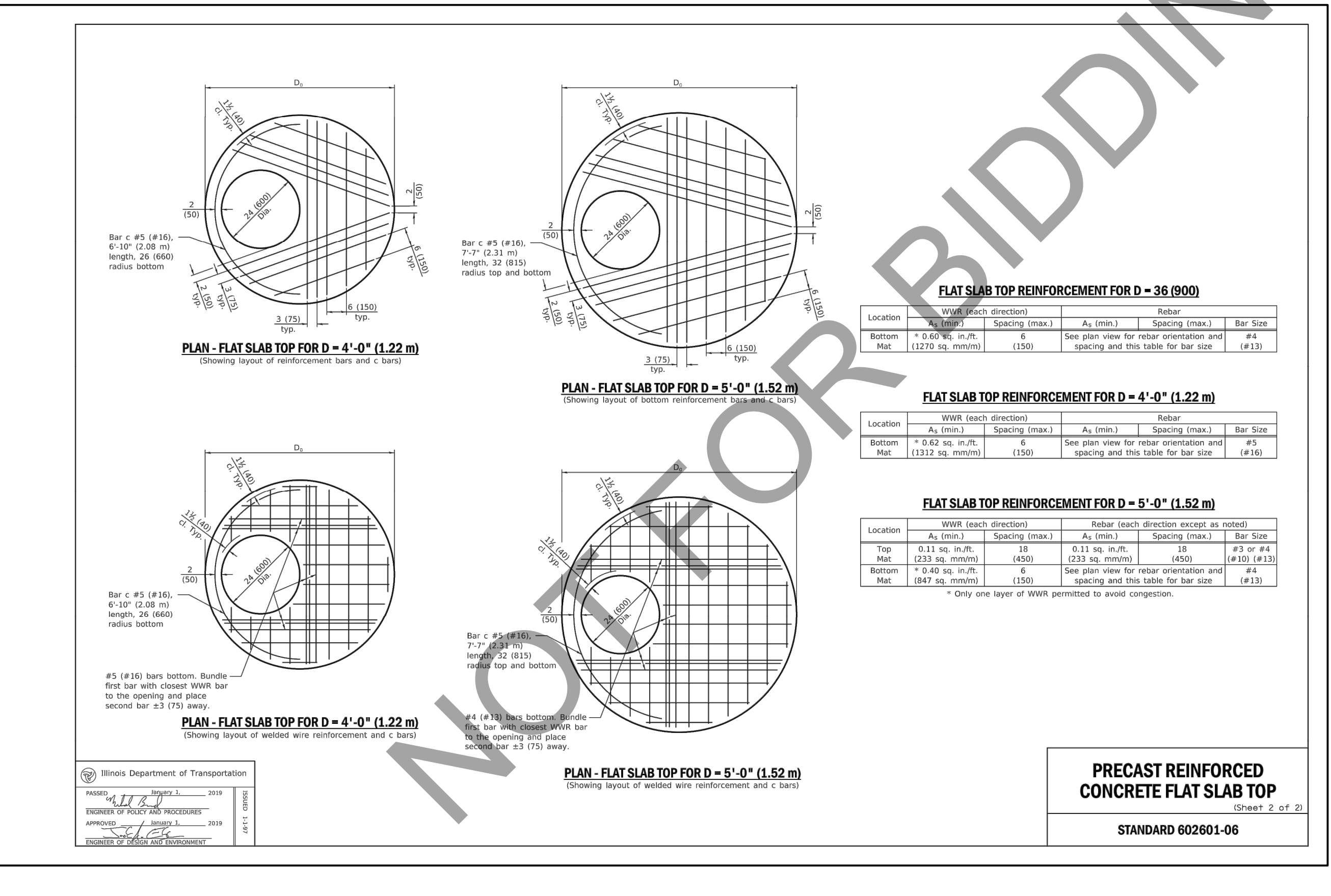
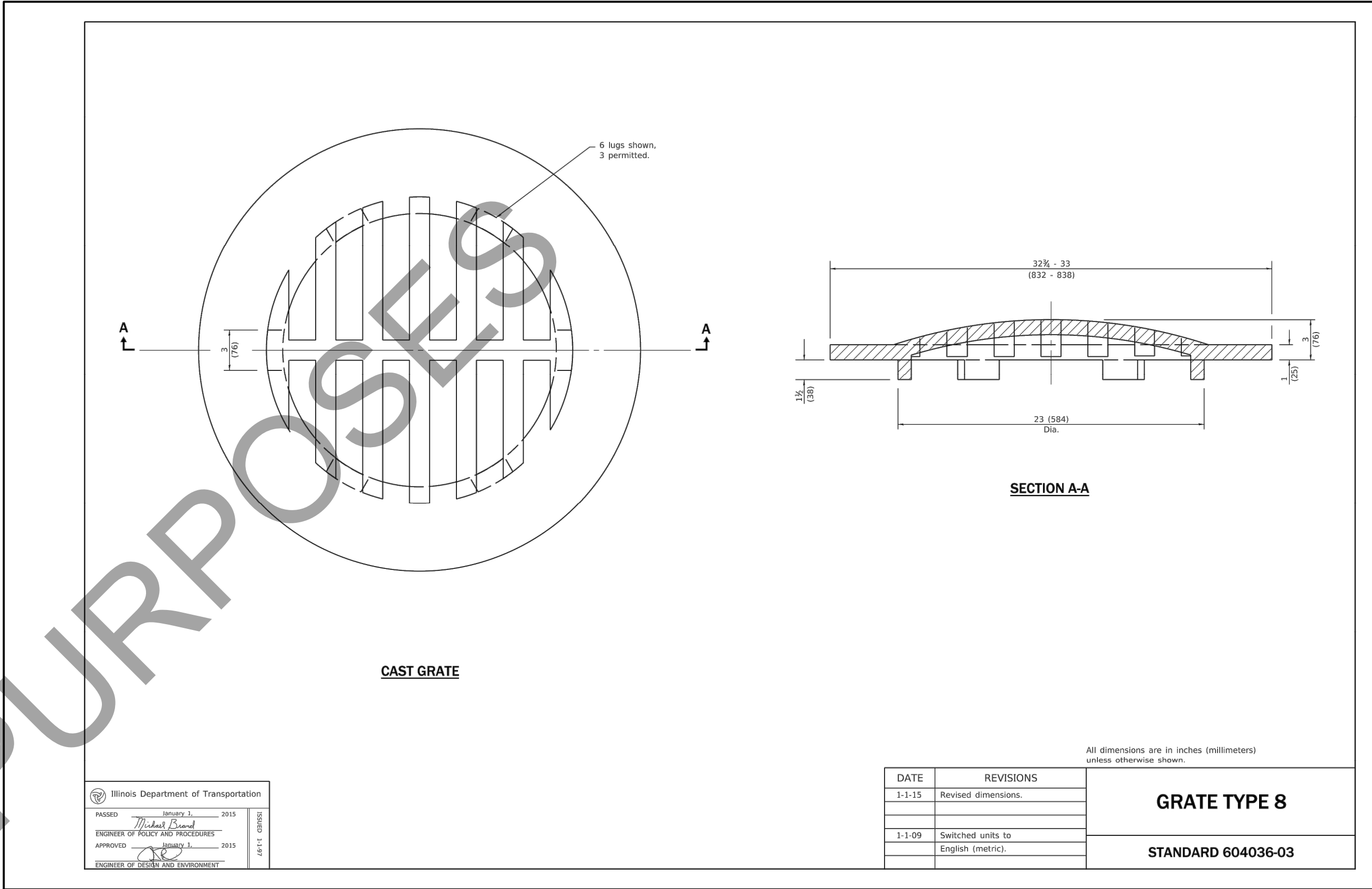
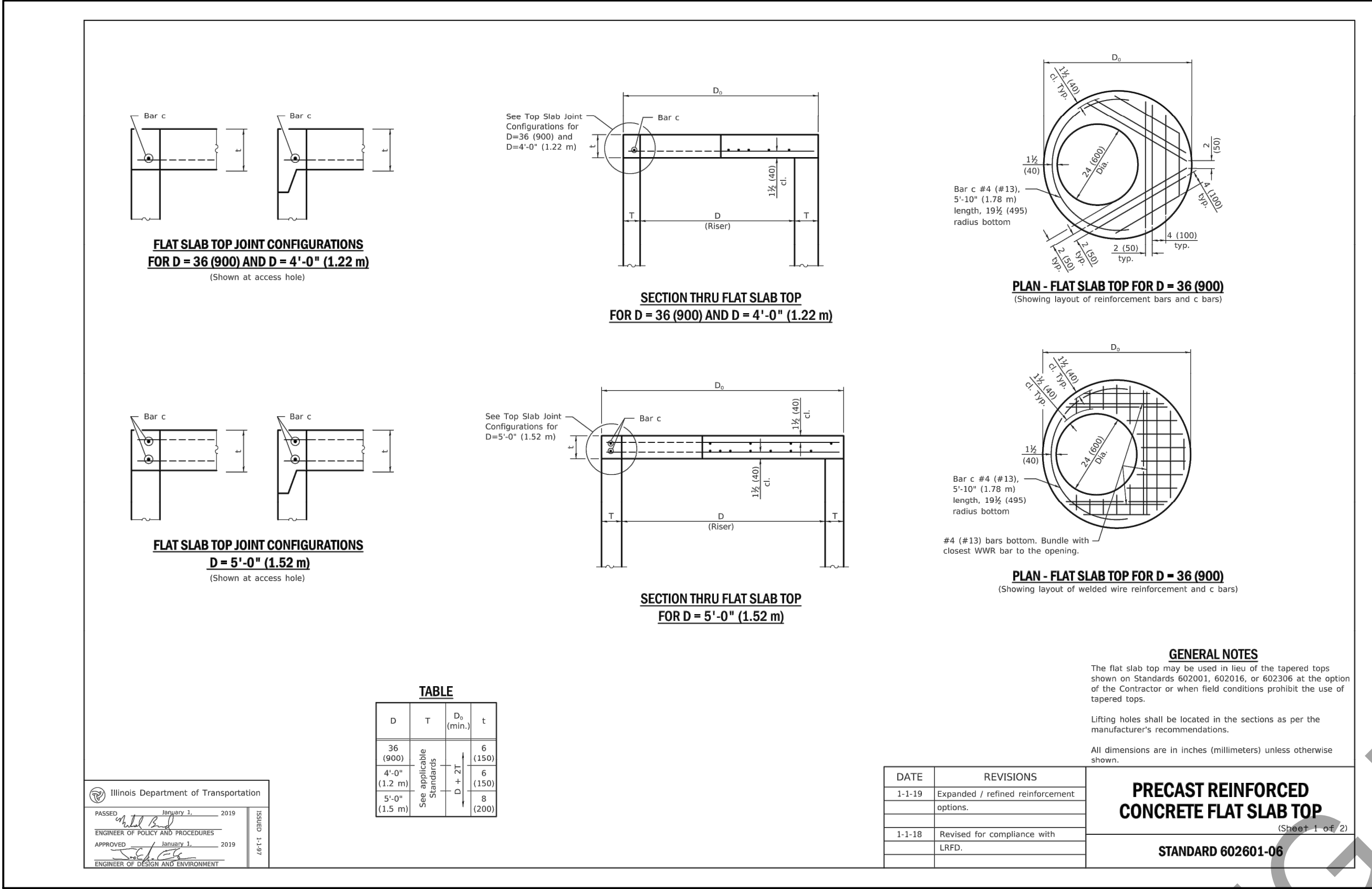
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CHARLES STREET SANITARY SEWER EXTENSION
SPECIAL ASSESSMENT #132

DETAILS - STORM SEWER

Sheet No.
5 OF 7

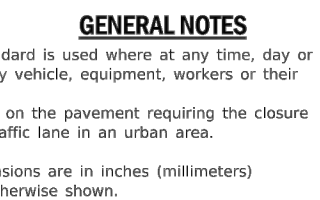
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DETAILS - EROSION CONTROL & TRAFFIC CONTROL DETAILS




Sheet No.
6 OF 7



| DATE | REVISIONS |
|--------|---|
| 1-1-11 | Revised flagger sign. |
| | |
| | |
| 1-1-09 | Switched units to English (metric). Corrected sign No.'s. |

STANDARD 701501-06

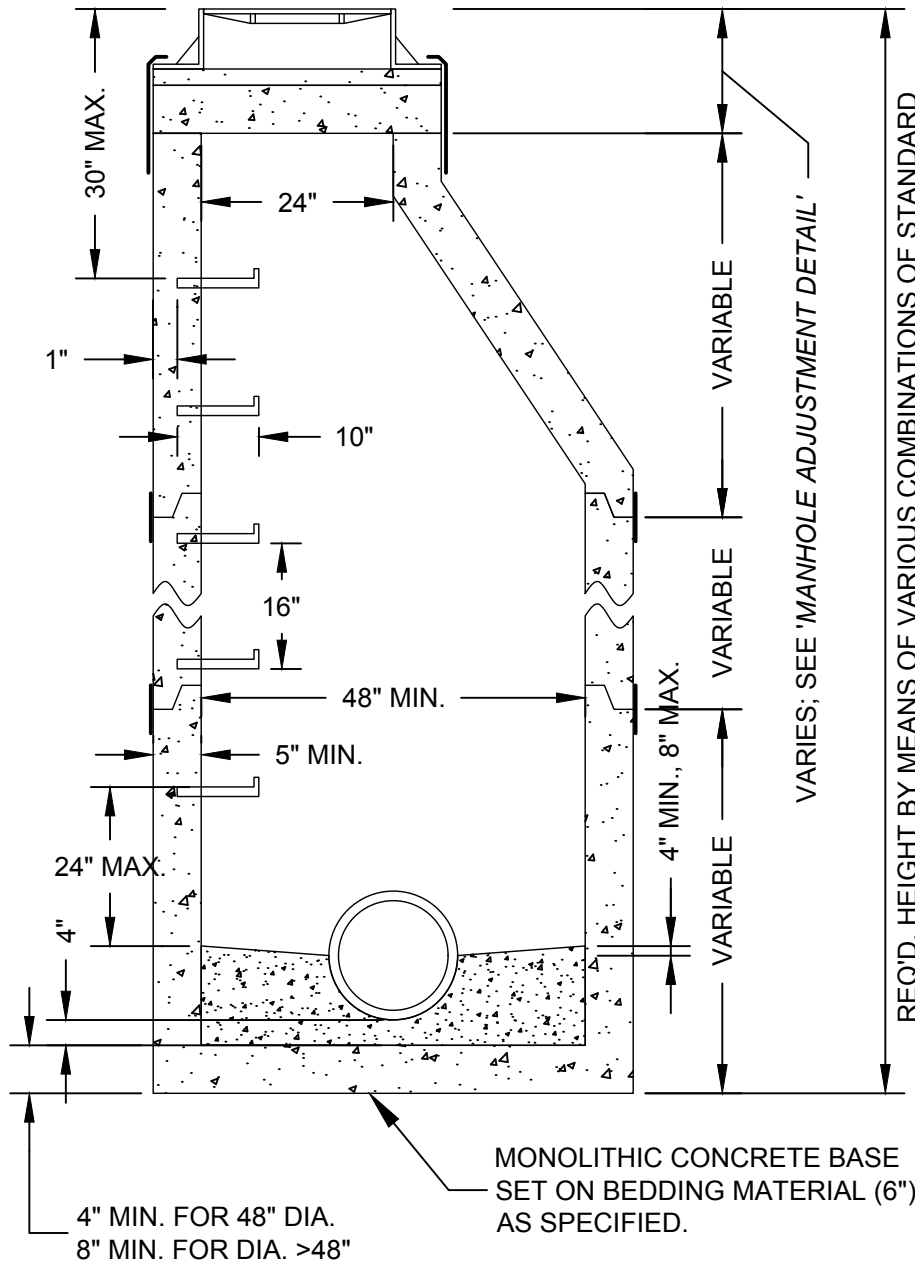
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| | | |
|---|-----------------|------------------|
|  Illinois Department of Transportation | | ISSUED 1-3-07 |
| PASSED | January 3, 2013 | |
|  | | |
| ENGINEER OF POLICY AND PROCEDURES | | |
| APPROVED | January 3, 2013 | |
|  | | |
| DIRECTOR OF OPERATIONS AND SAFETY | | |

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

STANDARD 280001-07

4/1/19 Revisions:
Entire sheet: Made minor spelling/wording changes.
Rigid Pipe Bedding Detail: Added note 3.
Flexible Pipe Bedding Detail: Added note 3.
Standard Manhole Detail: Added manhole step specifications and dimensions, note 12.
Standard Service & Alt. Service Detail: Revised cleanout depth to 6 inches for existing development. Changed 2x4 post marker to vacant lots only. Added note 7.

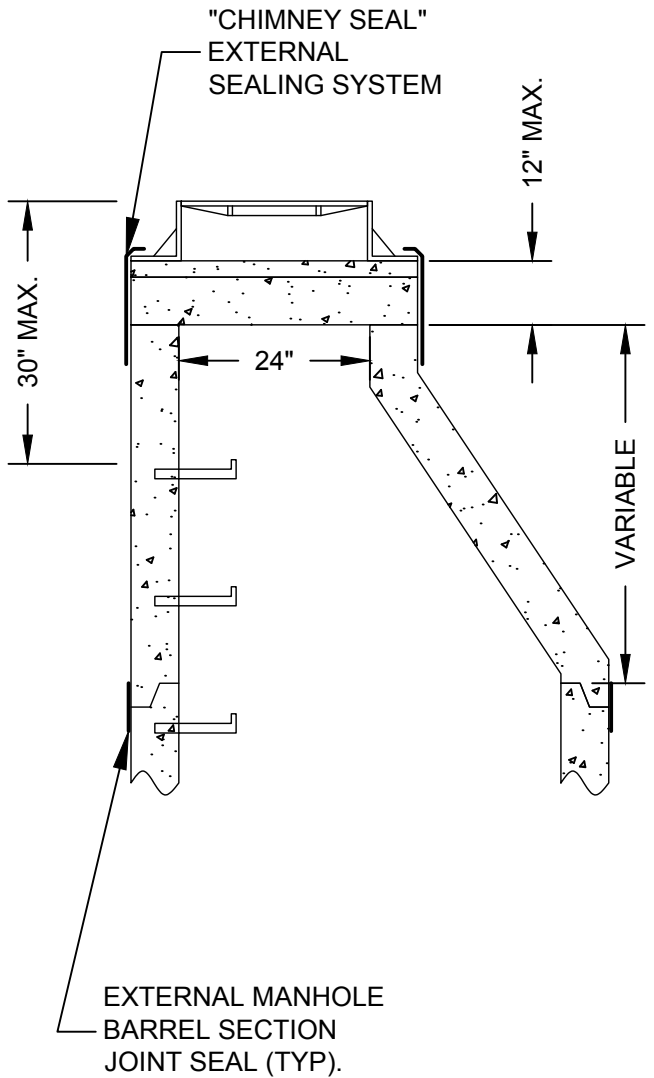


STANDARD MANHOLE DETAIL
(*MANHOLE ADJUSTMENT DETAIL* SHALL APPLY)

rev. 4/1/19

- NOTES:
1. THE MAX. DROP FROM THE INVERT OF ANY PIPE TO THE CONCRETE CHANNEL UNDER THAT PIPE SHALL BE 8".
 2. MANHOLES LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY SHALL BE MARKED WITH A STEEL FENCE POST AS DIRECTED.
 3. ALL NEW MANHOLES SHALL BE VACUUM TESTED PER A.S.T.M. C-1244 PRIOR TO ACCEPTANCE.
 4. ALL BARREL JOINTS SHALL BE SEALED WITH 3 1/2" x 3/8" BITUMINOUS MATERIAL ON THE LOWER SHIPLAP.
 5. ALL BARREL JOINTS SHALL BE SEALED WITH AN EXTERNAL BARREL SEAL CENTERED ON THE JOINT (MAR MAC MACWRAP OR APPROVED EQUAL)
 6. MANHOLE STRUCTURE SHALL BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE MANHOLE RISER SECTIONS IN ACCORDANCE WITH A.S.T.M. C478-90 OR THE LATEST DESIGNATION.
 7. PRECAST FLAT TOPS ARE NOT APPROVED FOR USE.
 8. SEE 'MANHOLE ADJUSTMENT DETAIL' FOR ADJUSTMENT REQUIREMENTS.
 9. PIPE CONNECTIONS TO NEW MANHOLES SHALL BE MADE BY MEANS OF EITHER RUBBER GASKET SEAL (A-LOK OR APPROVED EQUAL) CONFORMING TO ASTM F-477 CAST INTEGRALLY IN MANHOLE WALL, OR RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP (PSX SERIES SIX OR APPROVED EQUAL) CONFORMING TO ASTM C-923. FOR PIPE CONNECTIONS WITH A DEPTH OF >20 FT., A RUBBER GASKET SEAL (A-LOK OR APPROVED EQUAL) CONFORMING TO ASTM F-477 CAST INTEGRALLY IN MANHOLE WALL SHALL BE USED.
 10. PIPE CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY MEANS OF CORE DRILLING MANHOLE WALL AND INSTALLING RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP (PSX SERIES SIX OR APPROVED EQUAL) CONFORMING TO ASTM C-923.
 11. THE MAXIMUM DISTANCE FROM ANY INLET PIPE INVERT TO THE OUTLET PIPE INVERT SHALL BE 2'. A DISTANCE GREATER THAN 2' WILL REQUIRE AN INSIDE DROP CONNECTION PER 'INSIDE DROP MANHOLE DETAIL'.
 12. MANHOLE STEPS SHALL BE NEENAH R-1982-F OR M.A. IND. PS-1 OR APPROVED EQUAL AT 16" CENTERS.

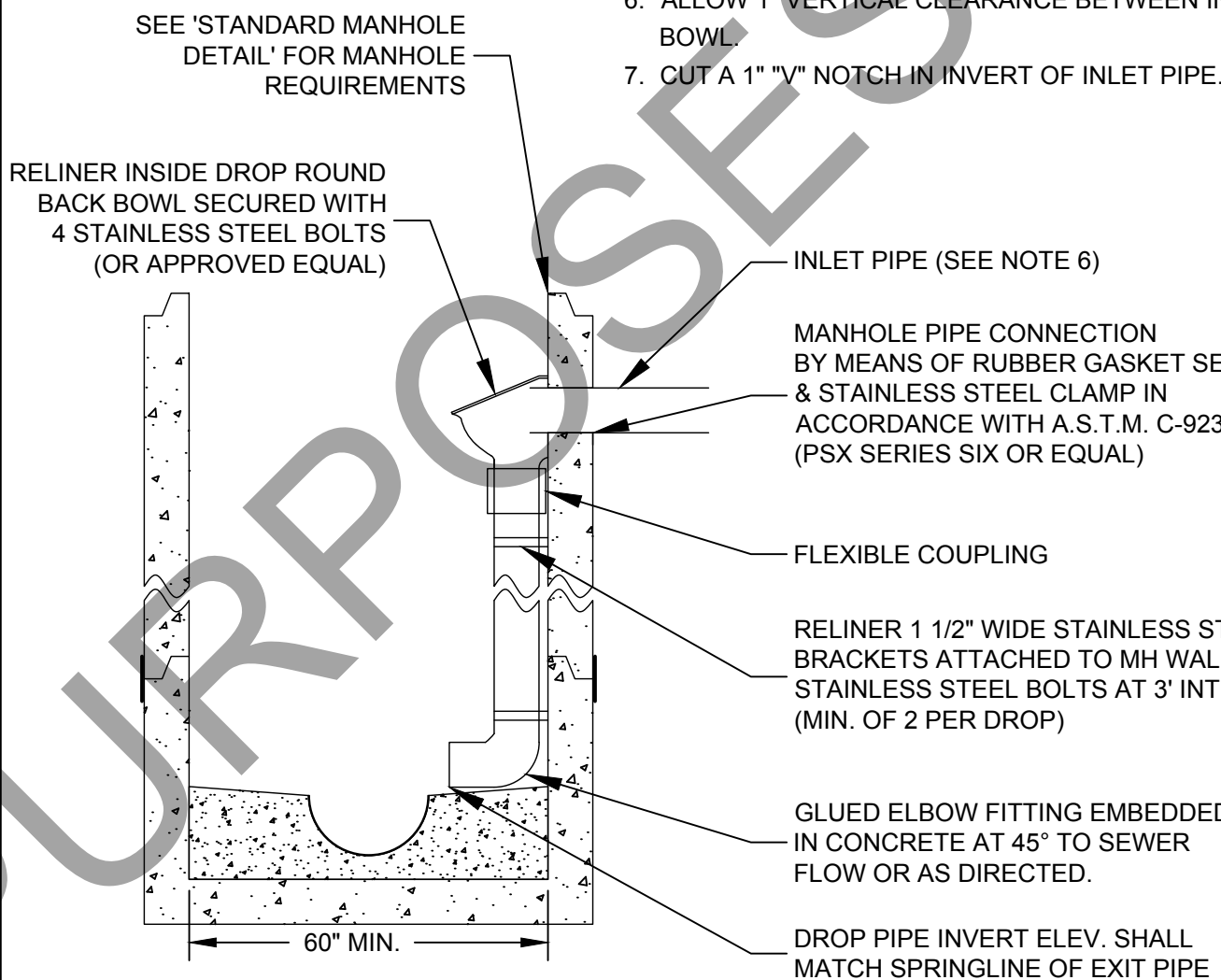
- NOTES:
1. MANHOLE FRAME & LID SHALL BE NEENAH R-1670 OR EAST JORDAN E-1117 WITH NON-ROCKING & SELF-SEALING LID.
 2. LID SHALL HAVE 2" HIGH "SANITARY" LETTERING & A CONCEALED PICK HOLE.
 3. ALL ADJUSTMENT RING JOINTS SHALL BE SEALED WITH TWO 1" BEADS OF APPROVED BITUMINOUS MATERIAL, INCLUDING FRAME TO CONCRETE JOINT.
 4. NO TARRING OR GROUTING IS ALLOWED ON THE INSIDE OF MANHOLE OR ADJUSTMENT JOINTS.
 5. 2" RINGS ALLOWED ONLY IN THE CITY OF ROCKFORD RIGHT-OF-WAY; ALL OTHER 2" RINGS SHALL BE RRWRD APPROVED RUBBER ADJUSTMENT RING.
 6. ONLY ONE 2" RING ALLOWED PER MANHOLE. MAXIMUM ADJUSTMENT IS 12". MINIMUM ADJUSTMENT IS 4" UNLESS OFF-ROAD OR IN CURB & GUTTER ROADWAY.
 7. WHEN A FRAME REQUIRES PITCHING, A MIN. OF 3 SHIMS EQUALLY SPACED SHALL BE INSTALLED BETWEEN THE FRAME AND CONCRETE AND HYDRAULIC CEMENT SHALL BE USED TO FILL THE VOID BETWEEN THE FRAME & CONCRETE.
 8. FLAT-TOPS ARE NOT PERMITTED ON 4' OR 5' DIA. MANHOLES.
 9. REPLACEMENT OF EXISTING BARREL SECTIONS MAY BE REQUIRED TO MEET THE ABOVE REQUIREMENTS.



MANHOLE ADJUSTMENT DETAIL
(FOR ADJUSTMENT OF BOTH NEW & EXISTING MANHOLES)

rev. 5/15/18

| DROP BOWL & DROP PIPE SIZING TABLE | |
|------------------------------------|-----------------------|
| INLET PIPE DIA. | DROP PIPE DIA. (MIN.) |
| 4-6 INCH | 4 INCH |
| 8 INCH | 6 INCH |
| 10 INCH | 8 INCH |
| >10 INCH | * |
| * PER MFG. OR AS DIRECTED BY RRWRD | |

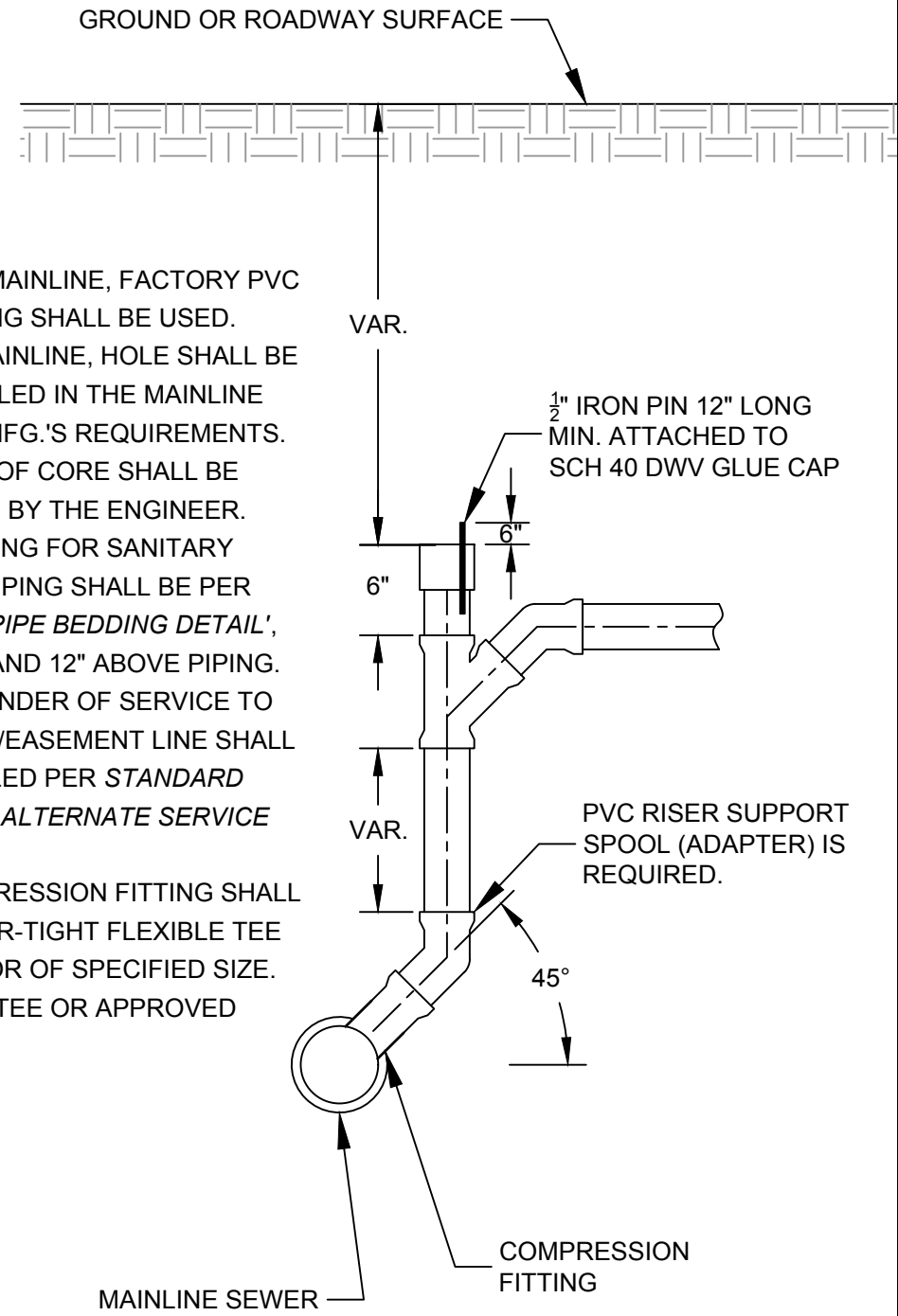


INSIDE DROP MANHOLE DETAIL
(*STANDARD MANHOLE DETAIL* SHALL APPLY)

rev. 5/15/18

- NOTES:
1. INSIDE DROP TYPE MANHOLES SHALL BE 5' MIN. INSIDE DIA.
 2. ALL INSIDE DROP TYPE CONNECTIONS FOR SERVICES AND COLLECTOR SEWERS SHALL USE THE DROP AS PRODUCED BY RELINER-DURAN INC. OR EQUAL.
 3. SEE TABLE FOR DROP BOWL AND DROP PIPE SIZES.
 4. ALL INSIDE DROP PIPING SHALL BE PVC SDR35 ASTM-D3034.
 5. ATTACH THE ROUND BACK DROP BOWL AND EACH CLAMPING BRACKET TO THE MANHOLE WALL WITH 3/8"x 1" MIN. STAINLESS STEEL BOLTS AND EPOXY IMPREGNATED LUGS PER MFG. RECOMMENDATIONS.
 6. ALLOW 1" VERTICAL CLEARANCE BETWEEN INLET PIPE & BOWL.
 7. CUT A 1" "V" NOTCH IN INVERT OF INLET PIPE.

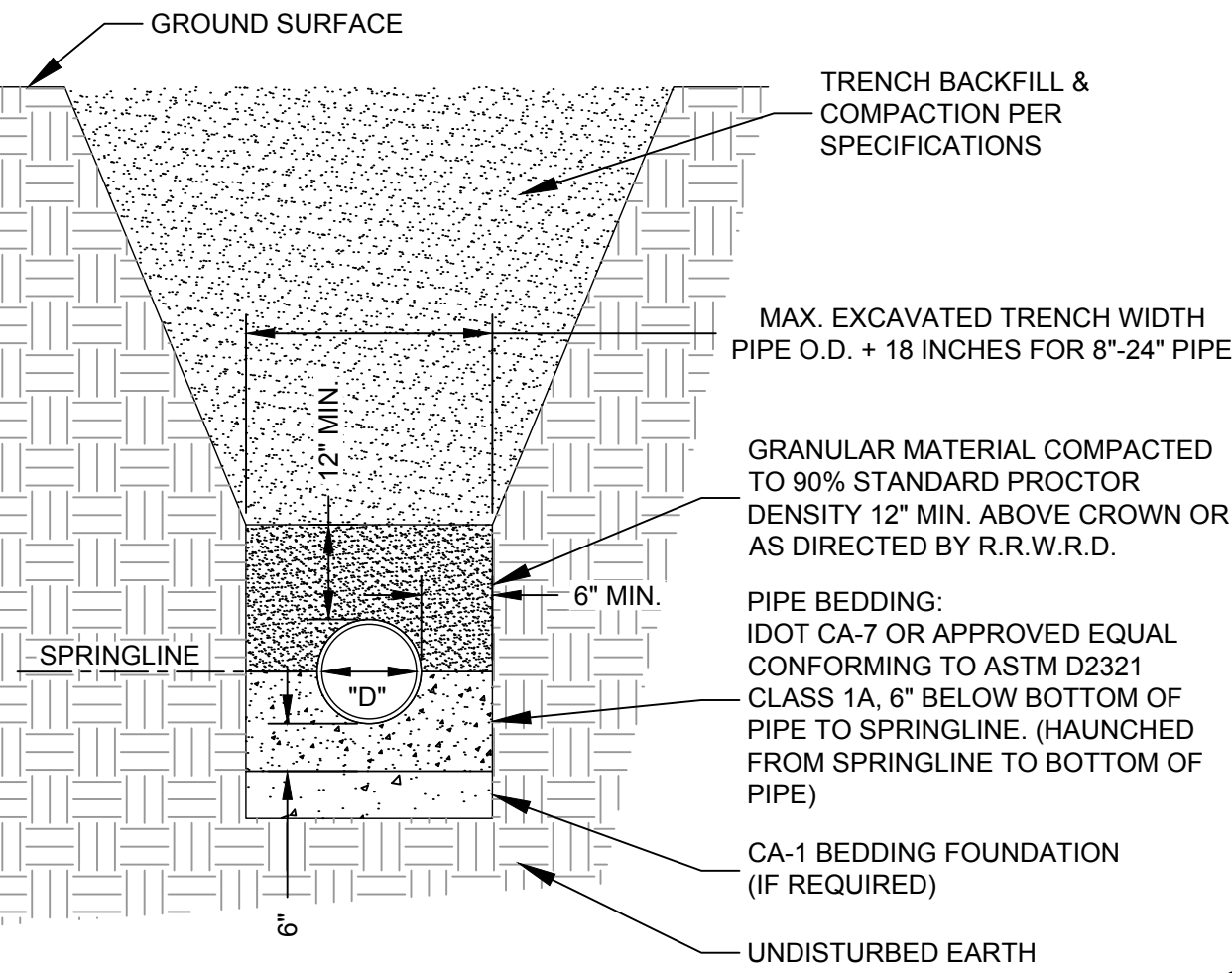
- NOTES:
1. FOR NEW MAINLINE, FACTORY PVC WYE FITTING SHALL BE USED.
 2. FOR EX. MAINLINE, HOLE SHALL BE CORE DRILLED IN THE MAINLINE PIPE PER MFG.'S REQUIREMENTS. LOCATION OF CORE SHALL BE APPROVED BY THE ENGINEER.
 3. PIPE BEDDING FOR SANITARY SERVICE PIPING SHALL BE PER 'FLEXIBLE PIPE BEDDING DETAIL', 6" BELOW AND 12" ABOVE PIPING.
 4. THE REMAINDER OF SERVICE TO PROPERTY/EASEMENT LINE SHALL BE INSTALLED PER STANDARD SERVICE & ALTERNATE SERVICE DETAIL.
 5. THE COMPRESSION FITTING SHALL BE A WATER-TIGHT FLEXIBLE TEE CONNECTOR OF SPECIFIED SIZE. (INSERT-A-TEE OR APPROVED EQUAL).



VERTICAL SERVICE RISER DETAIL
(FOR MAINLINE DIA. 8" - 18")

rev. 5/15/18

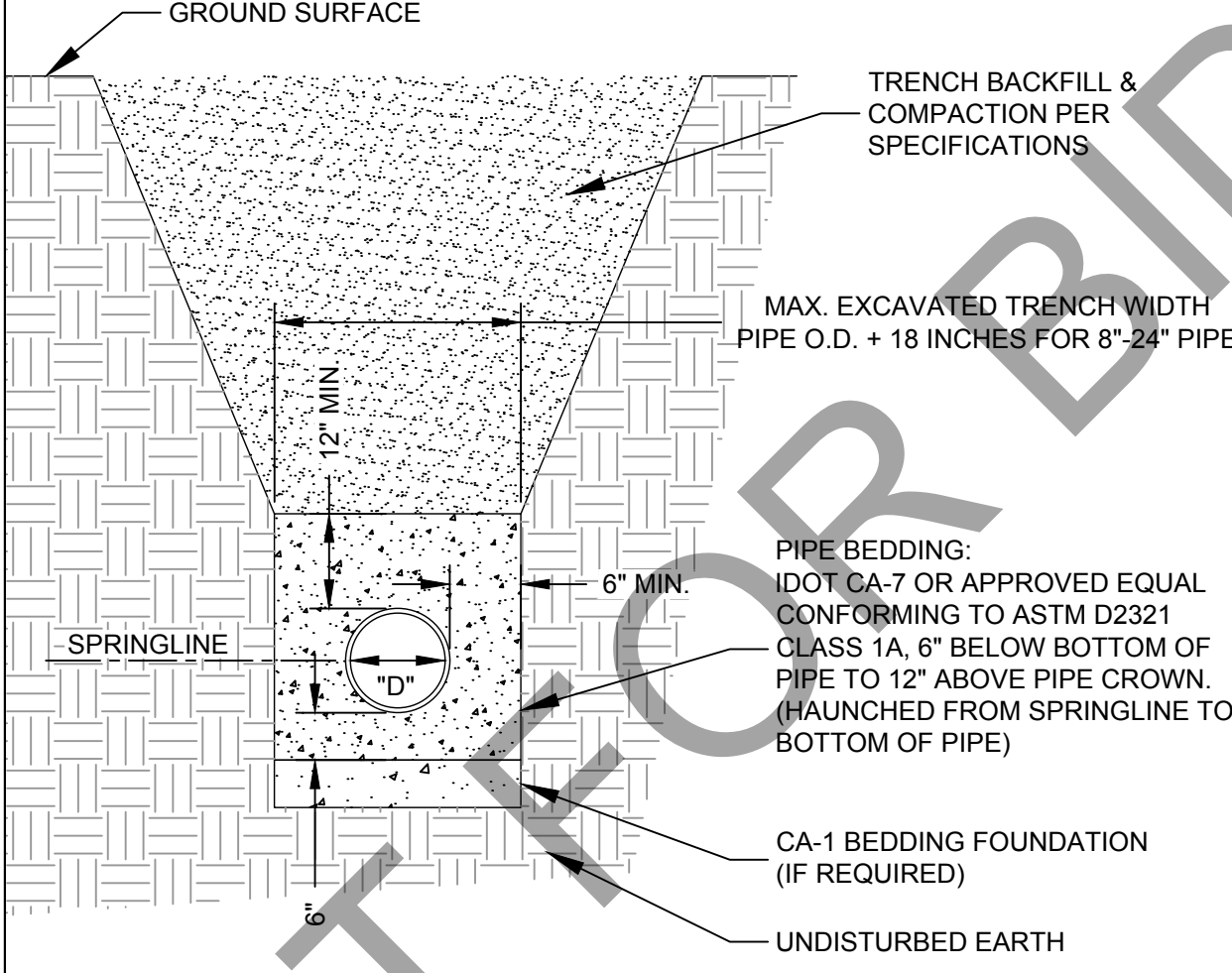
- NOTES:
1. REASONABLE CARE SHALL BE USED WHEN BACKFILLING OVER SEWER. NO MATERIALS SUCH AS ROCKS OR BOULDERS SHALL BE PLACED WITHIN 24" OF THE CROWN OF THE PIPE. NO MATERIAL LARGER THAN 8" DIA. SHALL BE USED IN THE BACKFILL.
 2. LOOSE MATERIAL TO BE REMOVED OR COMPACTED PRIOR TO PLACING PIPE BEDDING.
 3. BEDDING SHALL BE WELL HAUNCHED ALONG PIPE TO ENSURE VOIDS ARE ELIMINATED.



RIGID PIPE BEDDING DETAIL

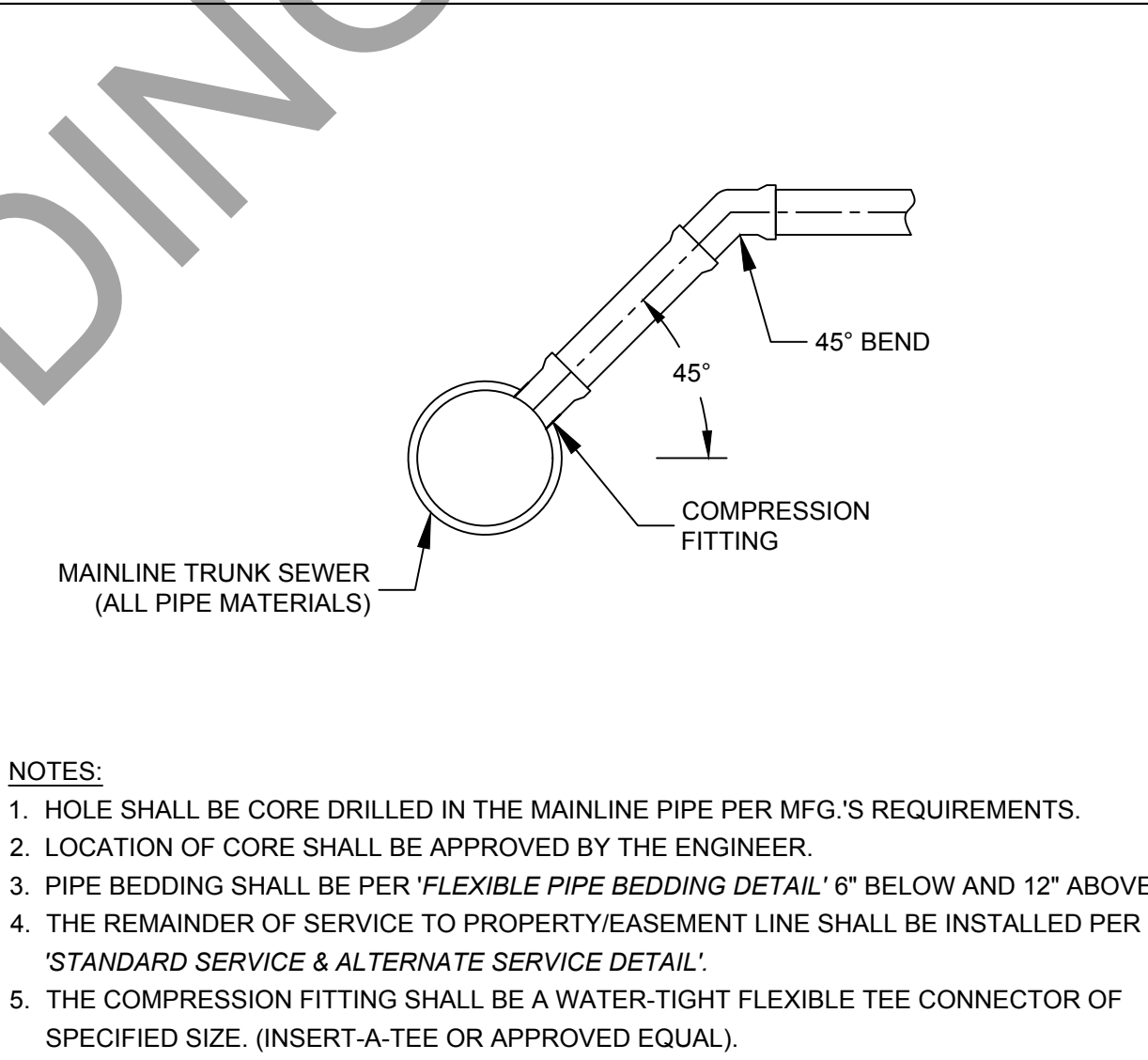
rev. 4/1/19

- NOTES:
1. REASONABLE CARE SHALL BE USED WHEN BACKFILLING OVER SEWER. NO MATERIALS SUCH AS ROCKS OR BOULDERS SHALL BE PLACED WITHIN 24" OF THE CROWN OF THE PIPE. NO MATERIAL LARGER THAN 8" DIA. SHALL BE USED IN THE BACKFILL.
 2. LOOSE MATERIAL TO BE REMOVED OR COMPACTED PRIOR TO PLACING PIPE BEDDING.
 3. BEDDING SHALL BE WELL HAUNCHED ALONG PIPE TO ENSURE VOIDS ARE ELIMINATED.



FLEXIBLE PIPE BEDDING DETAIL

rev. 4/1/19

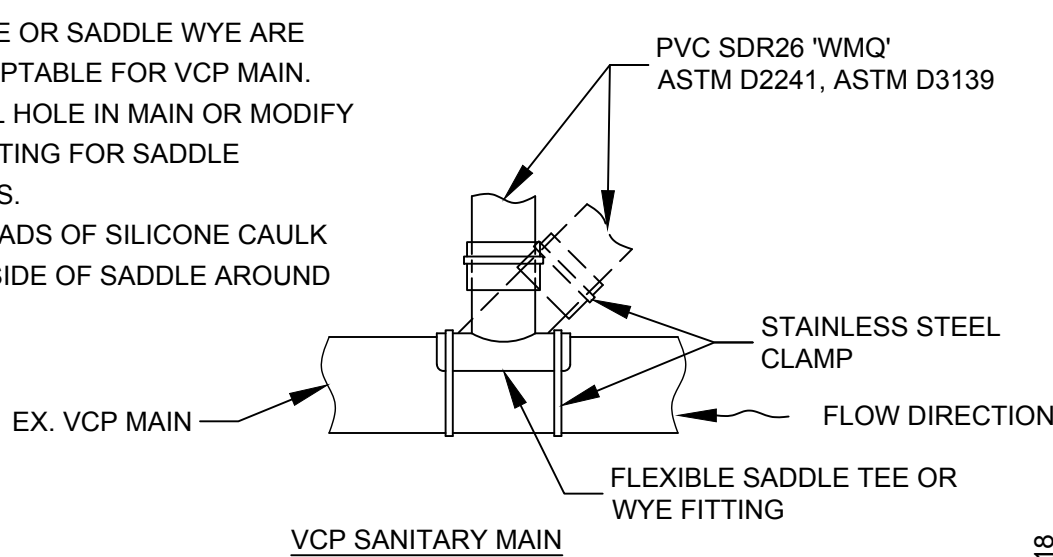


SERVICE CONNECTION DETAIL FOR CONNECTION TO 18" DIA. OR LARGER PIPE

rev. 5/15/18

- NOTES:
1. HOLE SHALL BE CORE DRILLED IN THE MAINLINE PIPE PER MFG.'S REQUIREMENTS.
 2. LOCATION OF CORE SHALL BE APPROVED BY THE ENGINEER.
 3. PIPE BEDDING SHALL BE PER 'FLEXIBLE PIPE BEDDING DETAIL' 6" BELOW AND 12" ABOVE.
 4. THE REMAINDER OF SERVICE TO PROPERTY/EASEMENT LINE SHALL BE INSTALLED PER 'STANDARD SERVICE & ALTERNATE SERVICE DETAIL'.
 5. THE COMPRESSION FITTING SHALL BE A WATER-TIGHT FLEXIBLE TEE CONNECTOR OF SPECIFIED SIZE. (INSERT-A-TEE OR APPROVED EQUAL).

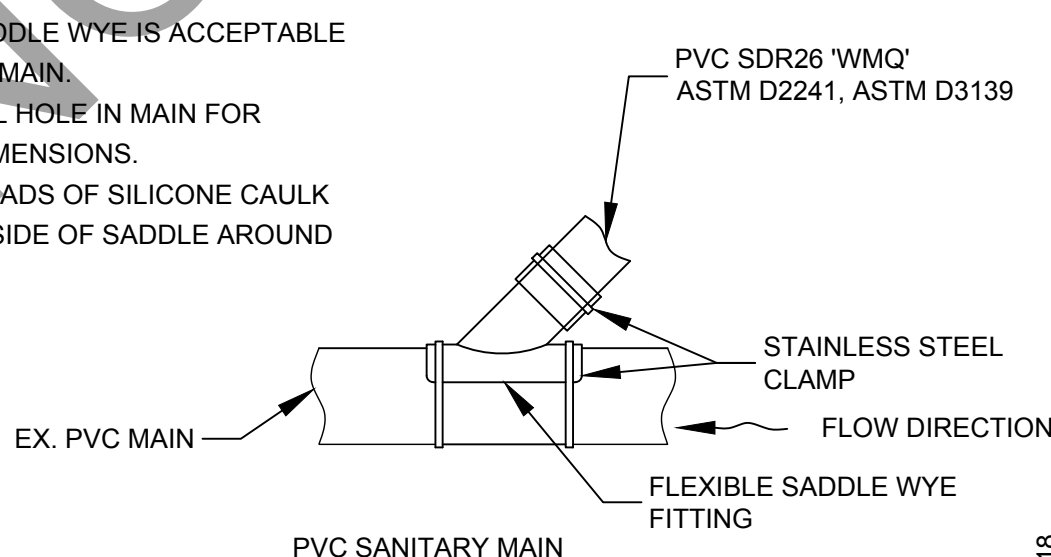
- NOTES:
1. SADDLE TEE OR SADDLE WYE ARE BOTH ACCEPTABLE FOR VCP MAIN.
 2. CORE DRILL HOLE IN MAIN OR MODIFY EX. VCP FITTING FOR SADDLE DIMENSIONS.
 3. APPLY 2 BEADS OF SILICONE CAULK TO UNDERSIDE OF SADDLE AROUND OPENING.



FLEXIBLE SADDLE CONNECTION DETAIL

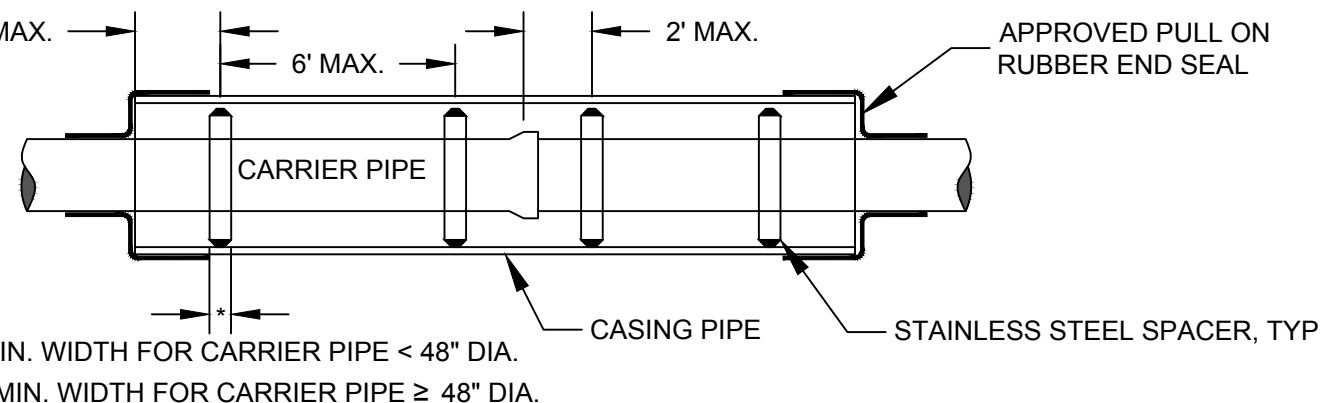
rev. 5/15/18

- NOTES:
1. ONLY A SADDLE WYE IS ACCEPTABLE FOR A PVC MAIN.
 2. CORE DRILL HOLE IN MAIN FOR SADDLE DIMENSIONS.
 3. APPLY 2 BEADS OF SILICONE CAULK TO UNDERSIDE OF SADDLE AROUND OPENING.



FLEXIBLE SADDLE CONNECTION DETAIL

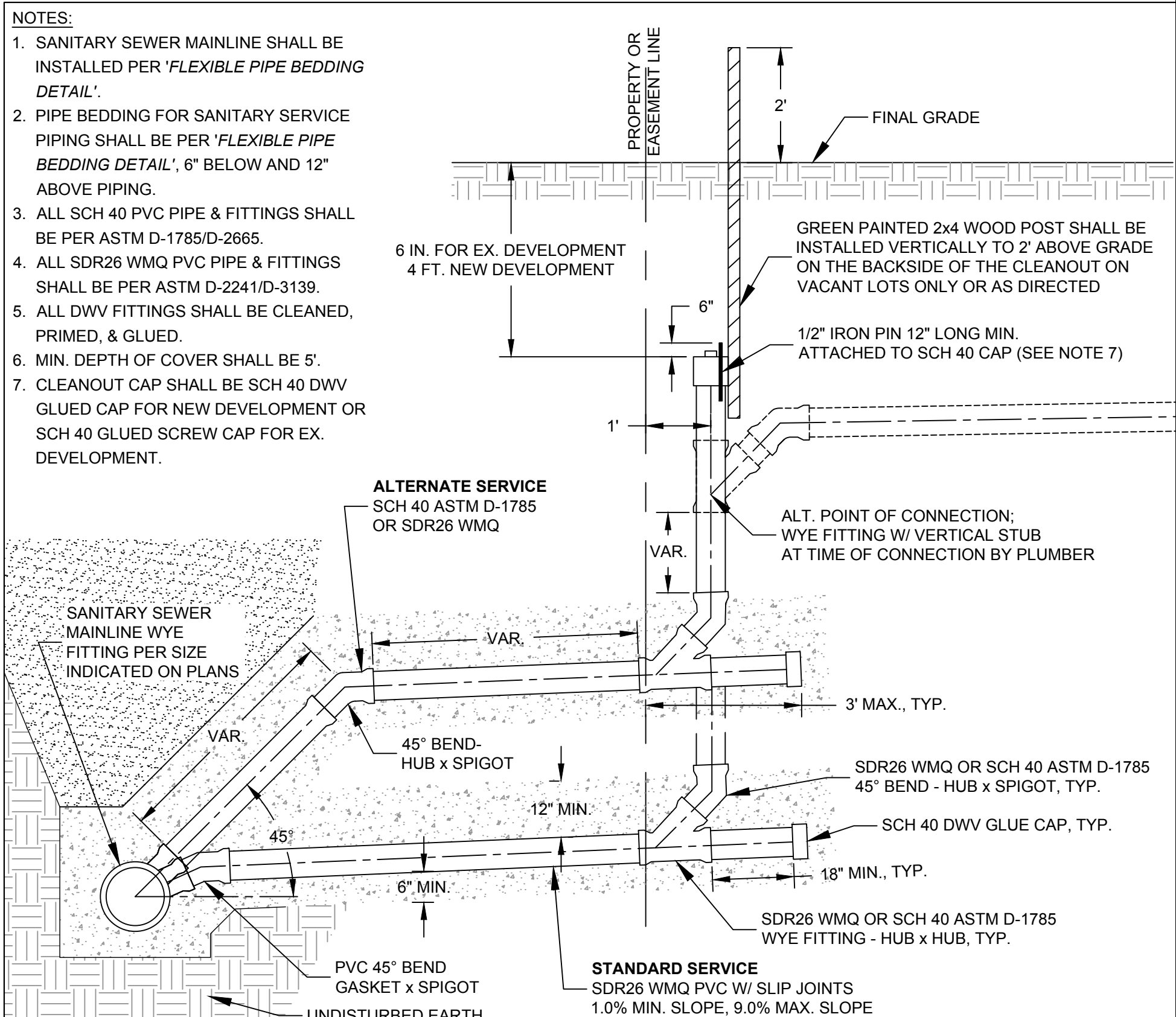
rev. 5/15/18



CASING & SPACER DETAIL

rev. 5/15/18

- NOTES:
1. CASING END SEALS & SPACERS SHALL BE AS MFG. BY CASCADE MFG., OR APPROVED EQUAL.
 2. FOR FLEXIBLE CARRIER PIPE, SPACING OF SPACERS TO BE AS SHOWN, OR PER MFG.'S RECOMMENDATION.
 3. FOR RIGID CARRIER PIPE, SPACING SHALL BE PER MFG.'S RECOMMENDATION.



STANDARD SERVICE & ALTERNATE SERVICE DETAIL
(FOR MAINLINE DIA. 8" - 18")

rev. 4/1/19



ROCK RIVER WATER RECLAMATION DISTRICT
STANDARD DETAIL SHEET
(NOT TO SCALE)

3501 KISHWAUKEE ST. P.O. BOX 7480
ROCKFORD, ILLINOIS 61109 PH. (815) 387-7660