



# GENERAL NOTES

1. EXISTING SITE TOPOGRAPHY, UTILITIES, RIGHT-OF-WAY AND HORIZONTAL CONTROL SHOWN ON THE DRAWINGS WERE OBTAINED FROM A SURVEY PREPARED BY:

V3 COMPANIES, LTD.  
7325 JANES AVENUE  
WOODRIDGE, IL 60517

COPIES OF THE SURVEY ARE AVAILABLE FROM THE SURVEYOR. SITE CONDITIONS MAY HAVE CHANGED SINCE THE SURVEY WAS PREPARED. CONTRACTORS TO VISIT SITE TO FAMILIARIZE THEMSELVES WITH THE CURRENT CONDITIONS.

2. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN.

3. CONTRACTOR IS TO VERIFY ALL EXISTING STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL AND STARTING WORK.

4. ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.

5. THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS PRIOR TO STARTING WORK. THE CONTRACTOR, BY USING THESE PLANS FOR THEIR WORK, AGREE TO HOLD HARMLESS V3 COMPANIES LTD., THE MUNICIPALITY, THEIR EMPLOYEES AND AGENTS AND THE OWNER WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF CONTRACTOR(S) PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, HIS AGENTS, THE ENGINEER, HIS EMPLOYEES AND AGENTS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE OWNER OF THE ROADWAY.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

8. EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS WHICH ARE HEREBY MADE A PART HEREOF:

- a. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY IDOT, LATEST EDITION.
- b. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION.
- c. ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA. LATEST EDITION.
- d. THE LATEST EDITIONS OF THE MUNICIPAL CODE AND STANDARDS OF THE VILLAGE OF HUNTLEY.
- e. THE NATIONAL ELECTRIC CODE.
- f. THE ILLINOIS ACCESSIBILITY CODE.
- g. CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) REQUIREMENTS AS PUBLISHED BY THE IEPA. TESTING OF SOILS BEING EXPORTED FROM THE SITE AND APPROPRIATE DISPOSAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH REGARD TO SITE WORK ISSUES DESIGNED BY THE ENGINEER, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

9. THE CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO COMMENCING ANY WORK AND FOR ANY NEW CONSTRUCTION REQUIRING INSPECTION.

10. ALL TREES TO BE SAVED SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION AND SHALL BE PROTECTED PER IDOT STANDARDS. THE RIGHT-OF-WAY LINE AND LIMITS OF THE CONTRACTOR'S OPERATIONS SHALL BE CLEARLY DEFINED THROUGHOUT THE CONSTRUCTION PERIOD. ALL TREES IDENTIFIED TO REMAIN SHALL BE PROTECTED FROM DAMAGE INCLUDING TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILLING OR GRADING IS TO BE DONE INSIDE THE DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.

11. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT ACCUMULATION OF MUD OR SOIL ON PUBLIC THOROUGHFARES. AT THE END OF EACH DAY AND AS OFTEN AS OTHERWISE NECESSARY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND AS DETAILED IN THE STORM WATER POLLUTION PREVENTION PLAN.

12. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS WHERE HIS/HER OPERATIONS ABUT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY IN ACCORDANCE WITH THE VILLAGE OF HUNTLEY MUNICIPAL CODE AND IDOT REQUIREMENTS.

13. NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARKWAY OVER A HOLIDAY, WEEKEND OR AFTER 3:00 P.M. ON THE DAY PRECEDING A HOLIDAY OR A WEEKEND.

14. ALL EXISTING PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL.

15. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AS PART OF THE BASE CONTRACT.

16. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.

17. FOR REGULATED UTILITY LOCATIONS, THE CONTRACTOR SHALL CONTACT THE JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS, "J.U.L.I.E." AT 1-800-892-0123. LOCAL GOVERNMENT AGENCIES SHOULD BE CONTACTED BY THE CONTRACTOR FOR LOCATION OF ALL NONREGULATED UTILITY LOCATIONS. CALL FOR LOCATES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION.

18. BEFORE EXCAVATING OVER OR ADJACENT TO ANY EXISTING UTILITIES, CONTRACTOR SHALL NOTIFY THE OWNER OF SUCH UTILITIES TO ENSURE THAT PROTECTIVE WORK WILL BE COORDINATED AND PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OF THE UTILITY INVOLVED. IF ANY EXISTING SERVICE LINES, UTILITIES AND UTILITY STRUCTURES WHICH ARE TO REMAIN IN SERVICE ARE UNCOVERED OR ENCOUNTERED DURING THIS OPERATION, THEY SHALL BE SAFEGUARDED, PROTECTED FROM DAMAGE AND SUPPORTED IF NECESSARY.

19. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL AS DETAILED IN THE STORM WATER POLLUTION PREVENTION PLAN.

21. ALL CURB RADII REFER TO BACK OF CURB.

22. ANY AREAS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED IN CONFORMANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND SHALL BE INCIDENTAL TO THE CONTRACT.

23. STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE AND IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH THE MUNICIPALITY OR IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.

24. PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS INDICATED ON DRAWINGS.

25. CAD FILES ARE AVAILABLE FOR CONSTRUCTION LAYOUT UPON REQUEST.

26. BACKFILL SHALL BE PLACED NEXT TO THE CURB AS SOON AS PERMISSIBLE AFTER CONSTRUCTION TO PREVENT SCOURING AND UNDERCUTTING BY STORM WATER RUNOFF.

27. BUTT JOINTS SHALL BE PROVIDED WHEREVER NEW PAVEMENT ABUTS EXISTING PAVEMENT. ALL BUTT JOINTS SHALL BE CONSTRUCTED BY MILLING AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE BITUMINOUS SURFACE COURSE.

28. WHEN AN EXISTING DRAINAGE ROUTE, EITHER A STORM SEWER OR WATERWAY, IS INTERRUPTED DUE TO CONSTRUCTION, THE DRAINAGE ROUTE SHALL BE REESTABLISHED TO ORIGINAL CONDITIONS BY THE END OF THE SAME WORK DAY. POSITIVE DRAINAGE MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

29. PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.

30. FINAL ADJUSTMENT OF FIRE HYDRANTS, VALVE VAULTS AND MANHOLES TO FINISHED GRADE ARE INCIDENTAL TO THEIR COST.

31. ANY EXISTING UTILITY STRUCTURES REQUIRING ADJUSTMENT ARE TO BE ADJUSTED OR RECONSTRUCTED BY THE CONTRACTOR TO THE UTILITY OWNER'S SATISFACTION. ADJUSTMENTS OR RECONSTRUCTIONS NOT CALLED FOR ON THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

32. ALL UTILITY CONNECTIONS TO EXISTING LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND TO THE SATISFACTION OF THE UTILITY OWNER.

33. PROVIDE TRENCH BACKFILL IN ACCORDANCE WITH THE DETAILS OF THE PLANS FOR ALL UTILITY LINES (OR AS OTHERWISE NOTED ON PLANS). BACKFILL SHALL BE PLACED AND COMPACTED PER THE MUNICIPALITY AND IDOT SPECIFICATIONS. COST OF BACKFILL IS TO BE CONSIDERED INCIDENTAL TO THE UTILITY WORK.

34. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

35. PRIOR TO DEMOBILIZATION, ALL WORK SHALL BE CLEANED AND INSPECTED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

36. THE GENERAL CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO PROVIDE CABLE TV, PHONE, ELECTRIC, GAS AND IRRIGATION SERVICES. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING SITE LAYOUTS FOR THESE UTILITIES AND SHALL COORDINATE AND PROVIDE CONDUIT CROSSINGS AS REQUIRED. THIS COORDINATION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. ANY CONFLICTS IN UTILITIES SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

37. BAND-SEAL CONNECTORS OR EQUIVALENT SHALL BE USED TO JOIN PIPES OF DISSIMILAR MATERIAL.

38. CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL CONSTRUCTION IN CONFORMANCE WITH ALL MUNICIPAL AND CLIENT REQUIREMENTS FOR USE IN PREPARING RECORD DRAWINGS.

39. THE SUBCONTRACTOR SHALL INSTALL A 2"x4"x6" POST ADJACENT TO THE TERMINUS OF UTILITY MAINS AND SERVICE LINES. POSTS SHALL BE MARKED IN ACCORDANCE WITH THE VILLAGE STANDARDS.

40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ANY EXCAVATION. ANY DEWATERING REQUIRED SHALL BE INCIDENTAL TO THE CONTRACT.

41. COPIES OF SOILS INVESTIGATION REPORTS MAY BE OBTAINED FROM THE OWNER. ANY BRACING, SHEETING OR SPECIAL CONSTRUCTION METHODS REQUIRED IN ORDER TO INSTALL THE PROPOSED IMPROVEMENTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT. ANY ADDITIONAL SOILS DATA NEEDED TO CONFIRM THE CONTRACTOR'S OPINIONS OF THE SUBSOIL CONDITIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL OBTAIN THE OWNER'S WRITTEN AUTHORIZATION TO ACCESS THE SITE TO CONDUCT A SUPPLEMENTAL SOILS INVESTIGATION.

42. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY AS DETERMINED BY THE ENGINEER. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATIONAL CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE FOR ON-SITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE SUBCONTRACTOR AND SUBMITTED TO THE ENGINEER UPON COMPLETION OF THE PROJECT. ALL FIELD TILE REPAIRS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

43. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

# SPECIFICATIONS

## EARTHWORK

1. THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADE. A MINIMUM OF 4 INCHES OF TOPSOIL IS TO BE PLACED BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED, UNLESS OTHERWISE NOTED.

## IEPA CROSSING REQUIREMENTS

1. HORIZONTAL SEPARATION:

A. WATERMAINS SHALL BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER OR SEWER SERVICE CONNECTION.

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 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 DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE MEETING THE REQUIREMENTS OF SECTION 653.111 WHEN IT IS IMPOSSIBLE TO MEET (A) OR (B) ABOVE. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.

2. VERTICAL SEPARATION:

I. A WATERMAIN SHALL BE LAID SO THAT ITS INVERT IS 18 INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATERMAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATERMAIN LOCATED WITHIN TEN FEET HORIZONTALLY OR 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.

J. BOTH THE WATERMAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE MEETING REQUIREMENTS OF SECTION 653.111 WHEN:

- I. IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN 9A) ABOVE; OR
- II. THE WATERMAIN PASSES UNDER A SEWER DRAIN.

K. 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. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATERMAIN.

L. 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.

# LEGEND

| EXISTING | PROPOSED | DESCRIPTION                       |
|----------|----------|-----------------------------------|
|          |          | RIGHT-OF-WAY LINE                 |
|          |          | PROPERTY LINE (EXTERIOR)          |
|          |          | LOT LINE (INTERIOR)               |
|          |          | EASEMENT LINE                     |
|          |          | FENCE LINE                        |
|          |          | CENTERLINE                        |
|          |          | PROPERTY CORNER                   |
|          |          | CONTOUR                           |
|          |          | CURB & GUTTER                     |
|          |          | DEPRESSED CURB & GUTTER           |
|          |          | REVERSE PITCHED CURB              |
|          |          | SPOT ELEVATION                    |
|          |          | TOP OF CURB ELEVATION             |
|          |          | EDGE OF PAVEMENT ELEVATION        |
|          |          | UTILITY STUB                      |
|          |          | SANITARY SEWER                    |
|          |          | SANITARY FORCE MAIN               |
|          |          | STORM SEWER                       |
|          |          | WATER MAIN                        |
|          |          | GAS MAIN                          |
|          |          | UNDERGROUND TELEPHONE             |
|          |          | & ELECTRIC DUCT BANK              |
|          |          | BURIED CABLE-ELECTRIC             |
|          |          | BURIED CABLE-TELEPHONE            |
|          |          | ATLAS LOCATED UTILITY             |
|          |          | UTILITY STRUCTURE WITH CLOSED LID |
|          |          | CURB INLET                        |
|          |          | DRAINAGE STRUCTURE WITH OPEN LID  |
|          |          | FIRE HYDRANT                      |
|          |          | VALVE IN VALVE BOX                |
|          |          | GATE VALVE IN VALVE VAULT         |
|          |          | POST INDICATOR VALVE              |
|          |          | THRUST BLOCK                      |
|          |          | TREE                              |
|          |          | TREE LINE                         |
|          |          | CONCRETE HEADWALL                 |
|          |          | SUBMERGED HEADWALL                |
|          |          | FLARED END SECTION (F.E.S.)       |
|          |          | GUY WIRES                         |
|          |          | FLOOD LIGHT                       |
|          |          | UTILITY POLE                      |
|          |          | LIGHT STANDARD                    |
|          |          | TRAFFIC SIGNAL POLE               |
|          |          | HAND HOLE                         |
|          |          | SOIL BORING                       |
|          |          | IRRIGATION HEADS                  |
|          |          | SIGN                              |
|          |          | TELEPHONE MANHOLE                 |
|          |          | MONITORING WELL                   |
|          |          | TELEPHONE PEDESTAL                |
|          |          | TRANSFORMER PAD                   |
|          |          | UTILITY TO BE ABANDONED           |
|          |          | FEATURE TO BE REMOVED             |
|          |          | STORMWATER FLOW DIRECTION         |
|          |          | STORMWATER OVERFLOW ROUTE         |
|          |          | DITCH CHECK                       |
|          |          | INLET FILTER BASKET               |
|          |          | RIP RAP                           |
|          |          | BOLLARD                           |
|          |          | SILT FENCE                        |
|          |          | WATER MAIN PROTECTION             |
|          |          | UTILITY CROSSING LABEL            |
|          |          | GUARDRAIL                         |
|          |          | RAILROAD TRACKS                   |
|          |          | RETAINING WALL                    |
|          |          | REVISION DELINEATION              |
|          |          | CONSTRUCTION LIMIT LINE           |
|          |          | TREE PROTECTION FENCE             |

# ABBREVIATIONS

|        |                                                        |
|--------|--------------------------------------------------------|
| A      | ARC LENGTH                                             |
| B-B    | BACK TO BACK OF CURB                                   |
| B/C    | BACK OF CURB                                           |
| BLDG   | BUILDING                                               |
| BM     | BENCHMARK                                              |
| B/P    | BOTTOM OF PIPE                                         |
| BV/VV  | BUTTERFLY VALVE IN VALVE VAULT                         |
| C & G  | CURB AND GUTTER                                        |
| CB     | CATCH BASIN                                            |
| CL     | CENTERLINE                                             |
| CL     | CLOSED LID                                             |
| CO     | CLEAN OUT                                              |
| DIP    | DUCTILE IRON PIPE                                      |
| DIA    | DIAMETER                                               |
| DIWM   | DUCTILE IRON WATER MAIN                                |
| DWG    | DRAWING                                                |
| E      | EAST OR ELECTRIC OR EDGE                               |
| EJ     | EXPANSION JOINT                                        |
| ELEV   | ELEVATION                                              |
| E/P    | EDGE OF PAVEMENT                                       |
| EX     | EXISTING                                               |
| F & CL | FRAME & CLOSED LID                                     |
| F & G  | FRAME & GRATE                                          |
| F & OL | FRAME & OPEN LID                                       |
| FES    | FLARED END SECTION                                     |
| F-F    | FACE TO FACE OF CURB                                   |
| FF     | FINISHED FLOOR                                         |
| F/G    | FINISHED GRADE                                         |
| FH     | FIRE HYDRANT                                           |
| F/L    | FLOW LINE                                              |
| G      | GAS LINE                                               |
| GV/VB  | GATE VALVE IN VALVE BOX                                |
| GV/VV  | GATE VALVE IN VALVE VAULT                              |
| HDCAP  | HANDICAP                                               |
| HDPE   | HIGH DENSITY POLYETHYLENE PIPE                         |
| HDW    | HEADWALL                                               |
| HOR    | HORIZONTAL                                             |
| HP     | HIGH POINT                                             |
| HWL    | HIGH WATER LEVEL                                       |
| IE     | INVERT ELEVATION                                       |
| IN     | INLET                                                  |
| LF     | LINEAL FEET                                            |
| LP     | LOW POINT OR LIGHT POLE                                |
| L      | LEFT                                                   |
| ME     | MATCH EXISTING                                         |
| MH     | MANHOLE                                                |
| MW     | MONITORING WELL                                        |
| N      | NORTH                                                  |
| NIC    | NOT IN CONTRACT / NOT INCLUDED                         |
| NWL    | NORMAL WATER LEVEL                                     |
| OC     | ON CENTER                                              |
| OL     | OPEN LID                                               |
| PC     | POINT OF CURVATURE                                     |
| PCC    | PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE    |
| PGL    | PROFILE GRADE LINE                                     |
| PI     | POINT OF INTERSECTION                                  |
| PL     | PROPERTY LINE                                          |
| PP     | POWER POLE                                             |
| PRC    | POINT OF REVERSE CURVATURE                             |
| PT     | POINT OF TANGENCY                                      |
| PUE    | PUBLIC UTILITY EASEMENT                                |
| PVC    | POINT OF VERTICAL CURVATURE OR POLYVINYL CHLORIDE PIPE |
| PVI    | POINT OF VERTICAL INTERSECTION                         |
| PVT    | POINT OF VERTICAL TANGENCY                             |
| R      | RADIUS OR RIGHT                                        |
| RCP    | REINFORCED CONCRETE PIPE                               |
| ROW    | RIGHT OF WAY                                           |
| S      | SLOPE OR SOUTH                                         |
| SA     | SANITARY                                               |
| SF     | SILTATION FENCE                                        |
| SFM    | SANITARY FORCE MAIN                                    |
| SHT    | SHEET                                                  |
| SHW    | SUBMERGED HEADWALL                                     |
| SMH    | SANITARY MANHOLE                                       |
| STA    | STATION                                                |
| ST     | STORM STRUCTURE OR STORM SEWER                         |
| STMH   | STORM MANHOLE                                          |
| T      | TANGENT LENGTH OR TELEPHONE                            |
| T/C    | TOP OF CURB                                            |
| T/P    | TOP OF PIPE                                            |
| T/W    | TOP OF WALL                                            |
| TY     | TYPE                                                   |
| TYP    | TYPICAL                                                |
| UP     | UTILITY POLE                                           |
| VC     | VERTICAL CURVE                                         |
| VERT   | VERTICAL                                               |
| VCP    | VITRIFIED CLAY PIPE                                    |
| W      | WEST                                                   |
| WM     | WATER MAIN                                             |

| REVISIONS |          | DESCRIPTION                              |
|-----------|----------|------------------------------------------|
| NO.       | DATE     |                                          |
| 1         | 04/28/23 | HUNTLEY RESUBMITTAL                      |
| 2         | 08/11/23 | HUNTLEY RESUBMITTAL                      |
| 3         | 12/27/23 | HUNTLEY RESUBMITTAL                      |
| 4         | 10/23/24 | REVISED PER CLIENT REQUEST               |
| 5         | 11/08/24 | REVISED PER CLIENT REQUEST               |
| 6         | 10/08/25 | RESUBMITTAL PER VISTA GROVE COORDINATION |

|                  |                |
|------------------|----------------|
| PROJECT NO.:     | 2252WEBER.2022 |
| PROJECT MANAGER: | DLG            |
| DESIGNED BY:     | KC             |
| DRAWN BY:        | DB             |

**GENERAL NOTES, SPECIFICATION, LEGEND AND ABBREVIATIONS**  
**WEBER ACCESS ROAD IMPROVEMENTS**  
 HUNTLEY ILLINOIS

7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com

DRAWING NO.  
**1.0**

**VILLAGE OF HUNTLEY APPROVED MATERIAL LIST**

**GENERAL ITEMS**

1. **Bolts Placed Underground:** All below grade factory installed bolts and fasteners shall be Teflon coated 304-grade stainless steel
2. **Casing:**
  - A. Casing Spacers: Carrier pipe shall be centered within a casing by use of model CCS stainless steel Casing Spacers as manufactured by Cascade Waterworks Mfg.
  - B. Casing End Boots: Install model CCES End Boots as manufactured by Cascade Waterworks Mfg.
3. **Truncated Dome Detectable Warning Systems:**
  - A. Wet set reinforced polymer type; Brick red color homogenous throughout
  - B. Meeting requirements of Americans with Disabilities Act Accessibility Guidelines, the Illinois Assembly Code and applicable IDOT Standard Details
  - C. Approved Model: as manufactured by ADA Solutions, Tuffile, and Armor-Tile (Herculite Series); Use same model throughout development/project
4. **Street Signs:**
  - A. Signs: High intensity prismatic meeting MUTCD requirements
  - B. Posts: Telescoping square galvanized tubing with 7/16" holes on all four sides; 10' height
5. **Approved Model:** as manufactured by Telespar
6. **Street Name Signs:**
  - A. Signs: High intensity prismatic meeting MUTCD requirements; White letters on green background
  - B. Posts: Round galvanized socket and wedge post; 2-3/8" outside diameter; 12' height
7. **Approved Model:** as manufactured by Telespar
8. **Reflective Pavement Markers:**
  - A. Type: Recessed
  - B. Approved Model: R-100 as manufactured by Marker One
9. **Street Lighting:**
  - A. To be reviewed on a project by project basis

**SANITARY SEWER SYSTEM**

1. **Sanitary Sewer Pipe:**
  - A. PVC pipe (depths 15' and less):
    - i. Gravity Sewer: PVC SDR 26 in accordance with D-3034 for pipe diameter 15" and less and F679 for pipe diameter greater than 15". Joints shall be in accordance with ASTM D-3212
    - ii. Pressure Sewer Force Main: 4-inch through 12-inch shall be C900 DR-18; 14-inch through 18-inch shall be C905 DR-18. Elastomeric gasket joints shall be in accordance with ASTM D-3139
    - iii. Pressure Sewer Force Main (only as authorized by Director of Public Works): PVC SDR 26 in accordance with D-2241 for pipe diameter 16" and less. Elastomeric gasket joints shall be in accordance with ASTM D-3139
  - B. Ductile iron (depths greater than 15 feet):
    - i. Class 52 conforming to ANSI/AWWA C151/A21.51;
    - ii. Mechanical or push-on joints shall conform to ANSI/AWWA C111/A21.11
    - iii. All DIP sewer mains shall be encased in an 8 mil high density polyethylene encasement with its material specifications and installation method in accordance with ANSLAWWA C105/A21.5, ASTM A674, using "Method A" installation
    - iv. Brass wedges shall be installed to provide electrical conductivity
2. **Sewer Force Main Fittings:** All fittings shall be mechanical joint ductile iron and shall conform to ANSI/AWWA C110/A21.10 or ANSI/AWWA C153/A21.53. Fittings shall be U.L. Listed Class 350 and shall be manufactured in the United States
3. **Sewer Force Main Joint Restraint:**
  - A. All mechanical joint fittings shall have restraining glands installed:
    - i. DIP MJ restraint device shall be Mega-lug Series 1100 by EBAA Iron or Uni-flange Series 1400 by Ford Company
    - ii. PVC MJ restraint device shall be Mega-lug Series 2000PV by EBAA Iron or Uni-flange Series 1500 by Ford Company
  - B. DIP push joint pipe restraint shall be Field Lok® 350 gaskets by US Pipe or Series 1700 Mega-lug by EBAA Iron or Series 1390 Pipe Restraint by Ford
  - C. C900 PVC push joint pipe restraint shall be Series 1900 split serrated restraint harness by EBAA Iron or Series 1390 Pipe Restraint by Ford
  - D. C905 PVC push joint pipe restraint shall be Series 2800 Mega-lug restraint harness by EBAA Iron or Series 1390 Pipe Restraint by Ford

- E. Lengths of pipe restraint shall be determined from manufacturer's installation specifications
4. **Manholes:**
  - A. Precast reinforced in accordance with ASTM C478. Eccentric cone type unless otherwise indicated on Drawings
  - B. Size:
    - i. through 21" sewer pipe ..... Min. 4' inside diameter manhole
    - ii. 24" through 30" sewer pipe ..... Min. 5' inside diameter manhole
    - iii. >30" through 48" sewer pipe ..... Min. 6' inside diameter manhole
  - C. Manhole Frame & Lids:
    - i. Neenah R-1712, self-sealing Type B cover or East Jordan Iron Works 1050 with self-sealing cover
    - ii. The words "SANITARY" and "VILLAGE OF HUNTLEY" shall be cast into the surface of the lid
  - D. Manhole Seal:
    - i. Barrel sections shall be sealed using butyl rubber sealant and an external butyl joint wrap similar to Barrel Wrap as manufactured by Adaptor, Inc., EZ Wrap as manufactured Press-Seal Gasket Corporation, Infi-Shield Gator Wrap as manufactured by Sealing Systems, Inc., or approved equal
    - ii. The chimney and adjusting rings shall be sealed using an external chimney seal as manufactured by Adaptor, Inc.
    - iii. A watertight flexible pipe-to-manhole connector shall be employed in the connection of the sanitary sewer pipe to precast manholes. The connector shall consist of a rubber gasket, an internal expansion sleeve, and one or more external compression take-up clamps. Approved materials for the connector shall be natural or synthetic rubber and Series 300 non-magnetic stainless steel. No plastic components shall be permitted. The rubber gasket element shall be constructed solely of synthetic or natural rubber, and shall meet/exceed the requirements of ASTM C 923

**STORM SEWER SYSTEM**

1. **Storm Sewer Pipe:**
  - A. Reinforced concrete Pipe (RCP):
    - i. Conforming to ASTM C-76
    - ii. Tongue & groove or bell & spigot joints using cement mortar, butyl sealant or o-ring gasket in accordance with ASTM C-351 or C-443
    - iii. Thickness class shall be in accordance with the IDOT Standard Specifications for a given pipe diameter and fill height over the top of pipe
  - B. PVC pipe (depths 15' and less):
    - i. PVC SDR 26 in accordance with D-3034 for pipe diameter 15" and less and F679 for pipe diameter greater than 15". Joints shall be in accordance with ASTM D-3212
    - ii. Pressure sewer for water main separation requirements: PVC SDR 26 in accordance with D-2241 for pipe diameter 16" and less. C905 DR-18 for 18-inch; C905 DR-25 for 20" and 24". Elastomeric gasket joints shall be in accordance with ASTM D-3139
  - C. Ductile iron pipe (DIP):
    - i. Class 52 conforming to ANSI/AWWA C151/A21.51;
    - ii. Mechanical or push-on joints shall conform to ANSI/AWWA C111/A21.11
    - iii. All DIP sewer mains shall be encased in an 8 mil high density polyethylene encasement with its material specifications and installation method in accordance with ANSLAWWA C105/A21.5, ASTM A674, using "Method A" installation
    - iv. Brass wedges shall be installed to provide electrical conductivity
  - D. High Density Polyethylene (HDPE):
    - i. FOR PRIVATE USE ONLY; NOT ALLOWED ON PUBLIC RIGHT-OF-WAY
    - ii. Smooth interior and annular exterior corrugations conforming to AASHTO M-294 and watertight flexible elastomeric seals conforming to ASTM D-3212 and F-477
2. **Manholes:**
  - A. Precast reinforced in accordance with ASTM C478. Eccentric cone type.
  - B. Size:
    - i. through 21" sewer pipe ..... Min. 4' inside diameter manhole
    - ii. 24" through 30" sewer pipe ..... Min. 5' inside diameter manhole
    - iii. >30" through 48" sewer pipe ..... Min. 6' inside diameter manhole
    - iv. greater than 48" sewer pipe ..... Special design required

- C. Manhole Frame & Lids:
  - i. Neenah R-1772, Type B cover (cover may be open Type D when specified on drawings) or East Jordan Iron Works 1022
  - ii. The words "STORM" and "VILLAGE OF HUNTLEY" shall be cast into the surface of the lid
3. **Inlet and Catch Basin Frame & Lids:**
  - A. Frame & grates: Neenah R-1772, Type D open cover or East Jordan Iron Works 1022
  - B. Combination frame, grate and barrier curb box: Neenah R-3281-A with standard Type C grate
  - C. Combination frame, grate and mountable curb box: Neenah R-3501-TR (flow right) or TL (flow left) with standard Type L grate; alternate to be reviewed on case by case basis to match curb dimensions
  - D. Beehive frame & grates: Neenah R-4340-B
4. **Storm Sewer Structure Seal:**
  - A. Precast sections shall be sealed using butyl rubber sealant.
  - B. When storm sewer structure is installed in pavement, the chimney and adjusting rings shall be sealed using an external chimney seal as manufactured by Adaptor, Inc.
  - C. When storm sewer structures are placed within curb lines, the chimney and adjusting rings shall be sealed using heat activated Wrapid Seal an external chimney seal as manufactured by Canusa-CPs

**WATER DISTRIBUTION SYSTEM**

1. **Water Main Pipe:**
  - A. Ductile iron Class 52, conforming to ANSI/AWWA C151/A21.51:
    - i. Cement Lining, conforming to ANSI/AWWA C104/A21.4
    - ii. Mechanical or push-on joints shall conform to ANSI/AWWA C111/A21.11
    - iii. All DIP water mains shall be encased in an 8 mil high density polyethylene encasement with its material specifications and installation method in accordance with ANSLAWWA C105/A21.5, ASTM A674, using "Method A" installation
    - iv. Brass wedges shall be installed to provide electrical conductivity
  - B. PVC pipe:
    - i. 8-inch through 12-inch shall be C900 DR-18
    - ii. 14-inch through 18-inch shall be C900 DR-18
    - iii. 20-inch and 24-inch shall be C900 DR-25
    - iv. All PVC water main shall be installed with a minimum 10 gauge solid copper tracer wire. The wire shall be continuous through the valve vaults and boxes and shall be accessible at grade within the vault frame or box
2. **Water Main Fittings:**
  - A. All fittings shall be mechanical joint ductile iron and shall conform to ANSI/AWWA C110/A21.10 or ANSI/AWWA C153/A21.53 and cement lined in accordance with ANSI/AWWA C104/A21.4. Fittings shall be U.L. Listed Class 350 and shall be manufactured in the United States
3. **Fire Hydrants:**
  - A. Approved Model:
    - i. Shall meet AWWA C-502
    - ii. Mueller Super Centurion A-423 break away style traffic design
  - B. All hydrants shall include (Refer to standard Fire Hydrant Detail)
    - i. 6" mechanical joint connection with retainer glands
    - ii. 5 1/2" valve opening
    - iii. One 4 1/2" pumper nozzle and two 2 1/2" hose nozzles
    - iv. 6" auxiliary valve and box with valve box stabilizer on lateral
    - v. Standard "Hydra-Finder" hydrant locator including 3/8" white laminar matrix fiberglass 5' long corrosion and UV resistant shaft with 6" wide red reflective tape, flag and spring
  - C. Fire Hydrant Paint: All publicly owned hydrants shall be painted red. All privately owned hydrants shall be painted yellow
4. **Valves:**
  - A. 6" through 10" diameter: Cast iron body, bronze fitted, resilient wedge gate valve with non-rising stem, standard operating nut and open in a counter clockwise direction. Resilient wedge gate valves shall be Mueller A-2361 Series in accordance with AWWA C-515
  - B. 12 inches and larger: Cast iron body, rubber seat type butterfly valves. All valves shall open counter clockwise with non-rising stem. Butterfly valves shall be Class 150B Mueller B-3211 in accordance with AWWA C-504
5. **Valve Box:**
  - A. Valve boxes shall be cast iron, two (2) piece 5/8" shafts screw type Tyler Model 6850 and installed on the valve with an Adaptor II valve box stabilizer as manufactured by Adaptor, Inc. Lids shall be marked "Water"
6. **Valve Vaults:**

- A. Precast reinforced vaults in accordance with ASTM C478 are required for all valves greater than 10" and all valves located in pavement
- B. Size:
  - i. through 8" valves ..... Min. 4' inside diameter
  - ii. 10" and larger valves ..... Min. 5' inside diameter
  - iii. Pressure Taps ..... Min. 5' inside diameter
- C. Valve Vault Frame & Lids:
  - i. Neenah R-1712, self-sealing Type B cover or East Jordan Iron Works 1050 with self-sealing cover
  - ii. The words "WATER" and "VILLAGE OF HUNTLEY" shall be cast into the surface of the lid
- D. Valve Vault Seal:
  - i. Barrel sections shall be sealed using butyl rubber sealant
  - ii. The chimney and adjusting rings shall be sealed using an external chimney seal as manufactured by Adaptor, Inc.
  - iii. A watertight flexible pipe-to-manhole connector shall be employed in the connection of the water main pipe to precast vaults. The connector shall consist of a rubber gasket, an internal expansion sleeve, and one or more external compression take-up clamps. Approved materials for the connector shall be natural or synthetic rubber and Series 300 non-magnetic stainless steel. No plastic components shall be permitted. The rubber gasket element shall be constructed solely of synthetic or natural rubber, and shall meet/exceed the requirements of ASTM C 923
7. **Joint Restraint:**
  - A. All mechanical joint fittings shall have restraining glands installed:
    - i. DIP MJ restraint device shall be Mega-lug Series 1100 by EBAA Iron or Uni-flange Series 1400 by Ford Company
    - ii. PVC MJ restraint device shall be Mega-lug Series 2000PV by EBAA Iron or Uni-flange Series 1500 by Ford Company
  - B. DIP push joint pipe restraint shall be Field Lok® 350 gaskets by US Pipe or Series 1700 Mega-lug by EBAA Iron or Series 1390 Pipe Restraint by Ford Company
  - C. 900 PVC push joint pipe restraint shall be Series 1900 split serrated restraint harness by EBAA Iron or Series 1390 Pipe Restraint by Ford Company
  - D. Lengths of pipe restraint shall be determined from manufacturer's installation specifications
8. **Copper Service Lines:**
  - A. 1.5-inch diameter minimum
  - B. Type K soft copper tubing in accordance with ANSI H23.1
  - C. Compression fittings only
9. **Service Line Taps:**
  - A. Service taps of 1 1/2" & 2" require the use of a tapping saddle. Saddles shall be full circle, fusion bonded flexi coat epoxy ductile iron body (per ASTM A536) with double 304-grade stainless steel straps and hardware, and NSF 61 listed TaperSeal Nitrile gasket as manufactured by Smith-Blair; model #317
  - B. Existing service connections less than 1 1/2" may be re-connected upon the authorization of the Director of Public Works utilizing the direct tap method to 6-inch mains and larger only
10. **Corporation Stops:**
  - A. Compression fittings
    - i. Mueller B-25008-N (1 1/2-inch and 2-inch)
11. **Curb Stops:**
  - A. Compression fittings
    - i. Mueller B-25155-N 300 Ball (1 1/2-inch and 2-inch)
12. **Curb Box:**
  - A. Extension type arch pattern Mueller H-10310 with stationary rod
  - B. Lid marked "WATER"
13. **Pressure Tapping:**
  - A. Tapping Sleeves:
    - i. Stainless steel meeting AWWA C223 and NSF 61; Mueller H-304, Smith - Blair 665, or Cascade Waterworks CST-EX
    - ii. Flange fasteners shall be 304-grade stainless steel
  - B. Tapping Valve:
    - i. Cast iron body, bronze fitted, resilient wedge gate valve with non-rising stem, standard operating nut and open in a counter clockwise direction. Resilient wedge tapping valves shall be Mueller T-2361 Series in accordance with AWWA C-515 and NSF 61
14. **Sampling Station:**
  - A. Unit shall be designed specifically for collecting bacteriological and other water samples at a designated point directly from the water main and shall be model Eclipse No. 88 with cold climate protection package as manufactured by Kupferle Industry

ORIGINAL ISSUE DATE: 10-08-2025

PROJECT NO.: 2252WEBER.2022

PROJECT MANAGER: DLG

DESIGNED BY: KC

DRAWN BY: DB

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| 3   | 12/27/23 | HUNTLEY RESUBMITTAL                      |
| 4   | 10/23/24 | REVISED PER CLIENT REQUEST               |
| 5   | 11/08/24 | REVISED PER CLIENT REQUEST               |
| 6   | 11/08/25 | RESUBMITTAL PER VISTA GROVE COORDINATION |

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VILLAGE OF HUNTLEY GENERAL NOTES

PROJECT INITIATION

- 1. A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED WITH THE VILLAGE OF HUNTLEY STAFF AND ALL CONTRACTORS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. MEETING SHALL BE SCHEDULED WITH THE DEVELOPMENT SERVICES DEPARTMENT (847) 515-5200.
2. 24-HOUR EMERGENCY CONTACT NUMBERS SHALL BE PROVIDED TO THE VILLAGE OF HUNTLEY AT THE PRE-CONSTRUCTION MEETING.
3. PRIOR TO THE COMMENCEMENT OF WORK THE DEVELOPER RESPONSIBLE FOR CONSTRUCTION OF IMPROVEMENTS SHALL FILE WITH THE VILLAGE CLERK A CERTIFICATE OF INSURANCE PER THE VILLAGE'S SUBDIVISION REGULATIONS REQUIREMENTS.
4. PRIOR TO THE COMMENCEMENT OF WORK ALL CONTRACTORS PERFORMING WORK ON THE SITE SHALL BE REGISTERED WITH THE VILLAGE'S BUILDING DEPARTMENT. WORKING HOURS SHALL BE BETWEEN THE HOURS IDENTIFIED IN THE VILLAGE OF HUNTLEY'S NOISE SECTION OF THE MUNICIPAL CODE LOCATED IN CHAPTER 150.09. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES AN APPROVED IEPA NPDES PERMIT SHALL BE OBTAINED AND A COPY FORWARDED TO THE VILLAGE OF HUNTLEY'S PUBLIC WORKS AND ENGINEERING DEPARTMENTS.
7. PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL CALL 'JULIE' AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES. (2 WORKING DAY NOTIFICATION IS REQUIRED.) THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ANY INDIVIDUAL PRIVATE UTILITY ENTITY NOT MEMBERS OF THE 'JULIE' LOCATE SERVICE.
8. LIMITED INVESTIGATION OF SUBSURFACE CONDITIONS AT THE PROPOSED SITE OF WORK HAS BEEN MADE FOR THE PURPOSE OF DESIGN. THE VILLAGE OF HUNTLEY, ITS AGENTS OR CONSULTANTS ASSUME NO RESPONSIBILITY WHATSOEVER WITH RESPECT TO THE SUFFICIENCY OR ACCURACY OF THESE PRELIMINARY INVESTIGATIONS, NOR THEIR INTERPRETATION, AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED THAT CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE EXISTING THROUGHOUT THE WORK OR ANY PART OF IT, OR THAT UNFORESEEN DEVELOPMENTS MAY OCCUR.
9. THE CONTRACTOR SHALL COORDINATE INSPECTION AND TESTING OF THE PROPOSED IMPROVEMENTS WITH THE VILLAGE OF HUNTLEY'S ENGINEERING AND DEVELOPMENT SERVICES DEPARTMENTS AT LEAST ONE BUSINESS WORKING DAY IN ADVANCE.
10. NO CONSTRUCTION PLANS MAY BE USED UNLESS STAMPED "FOR CONSTRUCTION" BY THE VILLAGE OF HUNTLEY. A STAMPED SET OF "FOR CONSTRUCTION" PLANS SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

GENERAL

- 1. IN CASE OF CONFLICTS THE VILLAGE OF HUNTLEY GENERAL NOTES AND STANDARD DETAILS SHALL TAKE PRECEDENCE OVER OTHER NOTES OR STANDARD DETAILS LOCATED ELSEWHERE WITHIN THE APPROVED ENGINEERING DRAWINGS.
2. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST REVISION; THE LATEST EDITION OF THE ILLINOIS STANDARD SPECIFICATIONS FOR HIGHWAYS, THE STANDARD SPECIFICATIONS FOR STREETS AND HIGHWAYS, (MUTCD); THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS, (SSTCI); THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION, AND STANDARDS FOR ACCESSIBLE DESIGN, THE VILLAGE OF HUNTLEY STANDARD DETAILS, THE VILLAGE OF HUNTLEY APPROVED MATERIAL LIST, SUBDIVISION REGULATIONS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. IN CASE OF CONFLICTING STANDARDS, GUIDELINES OR SPECIFICATIONS THE MORE RESTRICTIVE STANDARD, GUIDELINE OR SPECIFICATION SHALL GOVERN.
3. CODES OF THE IEPA TITLE 35, AND O.S.I.A. SHALL BE ADHERED TO FOR THE CONSTRUCTION OF ALL PROJECTS.
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.
5. ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE AGENCY. AT THE CONTRACTOR'S EXPENSE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.
6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN BARRICADES, TRAFFIC CONTROL SIGNS AND OTHER SAFETY MEASURES DURING THE COURSE OF ALL WORK TO PROTECT THE PUBLIC FROM ALL CONSTRUCTION OPERATIONS.
7. ACCESS TO ADJACENT STREETS DURING CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES. NO CLOSURE OF PUBLIC RIGHTS OF WAY SHALL BE AUTHORIZED FROM THE AGENCY WITH JURISDICTION (VILLAGE ENGINEERING DEPARTMENT, KANE OR MCHENRY COUNTY DEPARTMENTS OF TRANSPORTATION, ILLINOIS DEPARTMENT OF TRANSPORTATION, ETC).
8. ANY DAMAGE TO THE PUBLIC RIGHT OF WAY, PUBLIC UTILITIES, STREETS, CURB, ETC. SHALL BE REPAIRED/REPLACED AS SOON AS POSSIBLE AND AS DIRECTED BY THE VILLAGE OF HUNTLEY.
9. THE USE OF VILLAGE FIRE HYDRANTS IS NOT ALLOWED. ONLY THE VILLAGE OF HUNTLEY'S DEPARTMENT OF PUBLIC WORKS MAY OPERATE EXISTING VALVES AND/OR HYDRANTS.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE VILLAGE OF HUNTLEY AND PROJECT ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
11. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE OPERATIONS ARISE PUBLIC THROUGHFARES AND ADJACENT PROPERTY.

EROSION CONTROL

- 1. PUBLIC/PRIVATE STREETS SHALL BE KEPT FREE OF DIRT AND DEBRIS WITH REGULAR CLEANING, SWEEPING, AND SCRAPING CONDUCTED BY THE CONTRACTOR. GARBAGE AND DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE, BLOW, OR SCATTER ONTO STREETS OR ADJACENT PROPERTIES.
2. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS INTERRUPTED, IT SHALL BE REPAIRED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.
3. ALL SPECIFIED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED PER THE REQUIREMENTS OF THE PROJECT'S SWPPP, KANE COUNTY STORMWATER ORDINANCE AND IN ACCORDANCE WITH THE ACTIVE PROJECT'S NPDES PERMIT.
4. CONTINUOUS MONITORING OF EROSION CONTROL MEASURES IS REQUIRED. MAINTAIN RECORDS OF INSPECTION REPORTS PER THE APPROVED IEPA NPDES PERMIT. COPIES OF THE INSPECTION REPORTS SHALL BE FORWARDED TO THE VILLAGE'S ENGINEERING DEPARTMENT ON A REGULAR BASIS.
5. THE CONTRACTOR SHALL IMPLEMENT ANY ADDITIONAL EROSION CONTROL MEASURES DEEMED NECESSARY BY SITE'S EROSION CONTROL INSPECTOR, THE STANDARDS OF THE VILLAGE OF HUNTLEY AND THE ILLINOIS URBAN MANUAL.
6. ALL STORM SEWER CATCH BASINS, SUMPS AND/OR RETENTION BASINS PROVIDED WITHIN THE PROJECT ARE TO BE CLEANED AT THE END OF CONSTRUCTION OF THE PROJECT PRIOR TO FINAL ACCEPTANCE. CLEANING MAY ALSO BE REQUIRED DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT IF IT IS DETERMINED THAT THE SILT AND DEBRIS TRAPS ARE NOT PROPERLY FUNCTIONING AND THEIR PERFORMANCE IS IMPAID.

EARTHWORK

- 1. ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CDD) FILL SITE SHALL MEET THE REQUIREMENTS OF 15ILCS 5/22.51. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE AND LOCAL TIPPING FEES.
2. THE GRADING AND CONSTRUCTION OF THE PROJECT'S IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. ALL AREAS ADJACENT TO PROPOSED IMPROVEMENTS SHALL BE GRADED TO MAINTAIN POSITIVE DRAINAGE.
3. THE LOCATION OF ON-SITE TOPSOIL STOCKPILES SHALL BE IDENTIFIED ON THE APPROVED PLANS.
4. THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADE. THE SPECIFIED DEPTH OF TOPSOIL IS TO BE PLACED BEFORE FINISHED GRADE ELEVATIONS ARE ACHIEVED.
5. EMBANKMENT MATERIAL WITHIN PARKWAY AND OPEN SPACE AREAS SHALL BE COMPACTED TO A MINIMUM OF NINETY PERCENT (90%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D-1557 (MODIFIED PROCTOR METHOD), OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE PROJECT'S GEOTECHNICAL ENGINEER. FILL SHALL BE MONITORED BY A GEOTECHNICAL ENGINEER ON-SITE WITH COMPACTION REPORTS FORWARDED TO THE ENGINEERING DEPARTMENT FOR REVIEW.
6. ALL SUBGRADE MATERIAL SHALL HAVE A MINIMUM IIR (ILLINOIS BEARING RATIO) OF 3.0 AS DETERMINED BY THE PROJECT'S GEOTECHNICAL ENGINEER, OR BASE AND PAVEMENT DESIGN REVISIONS SHALL BE PROVIDED WHERE ARE ADEQUATE TO OBTAIN EQUIVALENT PAVEMENT STRENGTH.
7. PROPOSED PAVEMENT AREAS, BUILDING PADS, DRIVEWAYS AND SIDEWALKS AND TARD/OPEN SPACE AREAS SHALL BE COMPACTED TO PLUS OR MINUS 0.1 FOOT OF DESIGN SUBGRADE ELEVATIONS BY THE CONTRACTOR.
8. ANY BORROW PIT LOCATIONS SHALL BE IDENTIFIED ON THE APPROVED SITE PLANS AND FORWARDED TO THE ENGINEERING DEPARTMENT AT LEAST 24 HOURS PRIOR TO EXCAVATION. NEW WATER MAINS AND SERVICE LINES, INCLUDING VALVES AND HYDRANTS, SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE OF 125 PSI. THE TEST PRESSURE SHALL BE HELD FOR A DURATION OF ONE HOUR WITHOUT PRESSURE LOSS OR FURTHER PRESSURE APPLICATION. EACH VALVE SHALL BE OPENED AND CLOSED SEVERAL TIMES DURING THE TEST.
9. A WATER TRUCK SHALL BE ON-SITE AT ALL TIMES DURING MASS GRADING OPERATIONS AND BE AVAILABLE AS NEEDED FOR THE PURPOSES OF DUST CONTROL AT THE REQUEST OF THE VILLAGE OF HUNTLEY.
10. TOPSOIL STOCKPILED FOR FUTURE USE SHALL BE RELATIVELY FREE FROM LARGE ROOTS, STICKS, WEEDS, BRUSH, STONES LARGER THAN ONE (1) INCH DIAMETER, OR OTHER LITTER AND WASTE PRODUCTS INCLUDING OTHER EXTRANEIOUS MATERIALS NOT CONDUCTIVE TO PLANT GROWTH.
11. TOPSOIL SHALL BE STOCKPILED IN SEQUENCE TO ELIMINATE ANY RE-HANDLING OR DOUBLE MOVEMENTS BY THE CONTRACTOR. NO MATERIAL SHALL BE STOCKPILED WITHIN EXISTING OR PROPOSED UTILITY EASEMENTS OR WITHIN THE PUBLIC RIGHT-OF-WAY.
12. TOPSOIL STOCKPILES SHALL BE LOCATED IN AREAS TO AVOID EROSION OF SAID STOCKPILE TO OFFSITE AREAS.

UTILITIES

- 1. THE CONTRACTOR SHALL COORDINATE INSPECTIONS AND TESTING OF WATER MAIN, WATER SERVICE, SANITARY SEWER, SANITARY SEWER SERVICES AND STORM SEWER WITH THE VILLAGE OF HUNTLEY'S ENGINEERING AND DEVELOPMENT SERVICES DEPARTMENTS AT LEAST 24 HOURS IN ADVANCE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATION WITH ALL LOCATIONS OF EXISTING VILLAGE OF HUNTLEY DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE OF HUNTLEY DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, THE ENGINEER AND THE VILLAGE OF HUNTLEY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. WHEN OPEN CUTTING IS ALLOWED OR OTHER PAVEMENT OPENING IS REQUIRED, BACKFILL SHALL BE PLACED PRIOR TO THE END OF THE WORKING DAY UNLESS OTHERWISE AUTHORIZED BY THE VILLAGE. ALL EXCAVATIONS SHALL BE BACKFILLED PER THE VILLAGE'S STANDARD DETAIL. A TEMPORARY BITUMINOUS PATCH OF AT LEAST TWO INCHES IN THICKNESS SHALL BE CONSTRUCTED WITHIN 24 HOURS. IT IS UNDERSTOOD THAT THE 2 INCH BITUMINOUS PATCH IS ONLY TEMPORARY. THE TEMPORARY PATCH SHALL BE MAINTAINED BY THE CONTRACTOR. THE PERMANENT PAVEMENT REPAIR WILL BE COMPLETED NO LATER THAN 6 MONTHS AFTER EXCAVATION. IN LIEU OF A BITUMINOUS PATCH, A STEEL PLATE (MINIMUM OF ONE INCH OF THICKNESS) OVER THE EXCAVATION MAY BE APPROVED UPON REQUEST BY THE CONTRACTOR.
5. EXISTING STRUCTURES SHALL BE CIRCULAR CORED AND BOOTED WHEN EXISTING MANHOLES ARE TO BE TIED INTO.
6. ALL TRENCHES RESULTING FROM THE CONSTRUCTION OF STORM SEWERS, WATER MAINS, SANITARY SEWERS AND SERVICE PIPES SHALL BE BACKFILLED WITH COMPACTED TRENCH BACKFILL ACCORDING TO IDOT STANDARD SPECIFICATIONS, VILLAGE OF HUNTLEY'S STANDARD DETAIL AND STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.
7. AT THE END OF EACH WORK DAY THE END OF ALL PARTIALLY COMPLETED SEWER OR WATER RUNS SHALL BE PLUGGED WITH A WATER TIGHT FITTING TO ENSURE SUBSURFACE WATER OR MATERIAL WILL NOT ENTER THE SEWER OR WATER SYSTEM.
8. PRECAST CONCRETE ADJUSTING RINGS ARE NOT TO EXCEED EIGHT (8) INCHES IN OVERALL HEIGHT AND SHALL BE USED IF AN ADJUSTMENT OF STRUCTURES TO THE FINISHED GRADE ESTABLISHED BY THE PROJECT ENGINEER IS NECESSARY. A MAXIMUM OF TWO (2) PRECAST CONCRETE ADJUSTING RINGS SHALL BE USED.
9. THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE IN ANY UNDERGROUND UTILITY CONSTRUCTION WHICH THE VILLAGE MAY WANT TO PLACE DURING THE CONTRACTOR'S OPERATIONS.
10. NO MANHOLES, INLETS, VALVE VAULTS OR OTHER TYPES OF STRUCTURES SHALL BE ALLOWED TO BE CONSTRUCTED IN RESIDENTIAL OR COMMERCIAL DRIVEWAYS OR SIDEWALKS.

PUBLIC WATER SYSTEM

- 1. AN IEPA CONSTRUCTION PERMIT MUST BE SECURED PRIOR TO BEGINNING CONSTRUCTION. THE NEW WATER MAINS SHALL NOT BE ACTIVATED UNTIL AN OPERATING PERMIT APPROVED BY THE IEPA HAS BEEN RETURNED TO THE VILLAGE.
2. ALL EXISTING VALVES MAINTAINED BY THE VILLAGE OF HUNTLEY SHALL BE OPERATED BY THE VILLAGE OF HUNTLEY DEPARTMENT OF PUBLIC WORKS PERSONNEL ONLY. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.
3. MINIMUM COVER FROM FINISHED GRADE TO TOP OF WATER MAIN SHALL BE MINIMUM OF FIVE (5) FEET; MAXIMUM COVER SHALL BE SIX (6) FEET.
4. FOR WATER MAIN SHUT OFFS, THE CONTRACTOR SHALL GIVE THE VILLAGE A MINIMUM OF 48 HOURS NOTICE. THE VILLAGE SHALL PROVIDE NOTIFICATION FORMS AND DETERMINE THE LIMIT OF THE AFFECTED AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF THE NOTIFICATION FORMS TO ALL AFFECTED RESIDENTS, BUSINESSES AND PROPERTY OWNERS.
5. ALL WATER MAIN SHUT DOWNS SHALL BE PERFORMED BY THE VILLAGE OF HUNTLEY DEPARTMENT OF PUBLIC WORKS.
6. APPROVED RETAINER GLANDS AND THRUST BLOCKING SHALL BE INSTALLED ON WATER MAINS AT ALL BENDS, TEES, ELBOWS, ETC.
7. AN ILLINOIS LICENSED PLUMBER IS REQUIRED FOR ANY LIVE WATER MAIN TAP.
8. ALL DUCTILE IRON WATER MAINS MUST BE POLY-WRAPPED (8 MIL THICKNESS).
9. HYDROSTATIC TESTS.
A. WHERE ANY SECTION OF A WATER LINE IS PROVIDED WITH CONCRETE THRUST BLOCKING FOR FITTINGS, THE HYDROSTATIC TESTS SHALL NOT BE MADE UNTIL AT LEAST FIVE DAYS AFTER INSTALLATION OF THE CONCRETE THRUST BLOCKING.
B. DISPOSAL OF WASTEWATER FROM HYDROSTATIC TESTS, AND FOR DISINFECTING, SHALL BE APPROVED IN ADVANCE BY THE VILLAGE PUBLIC WORKS AND ENGINEERING DEPARTMENTS. FULL BORE FLUSHING SHALL BE WITNESSED BY THE HUNTLEY FIRE PROTECTION DISTRICT (HFPD).
C. THE NEW WATER MAINS AND SERVICE LINES, INCLUDING VALVES AND HYDRANTS, SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE OF 125 PSI. THE TEST PRESSURE SHALL BE HELD FOR A DURATION OF ONE HOUR WITHOUT PRESSURE LOSS OR FURTHER PRESSURE APPLICATION. EACH VALVE SHALL BE OPENED AND CLOSED SEVERAL TIMES DURING THE TEST.
D. CAREFUL EXAMINATION OF EXPOSED PIPE, JOINTS, FITTINGS, AND VALVES IS REQUIRED.
E. JOINTS SHOWING VISIBLE LEAKAGE SHALL BE REMADE OR REPLACED.
F. CRACKED PIPE, DEFECTIVE PIPE, AND CRACKED OR DEFECTIVE JOINTS, FITTINGS, AND VALVES SHALL BE REPLACED WITH APPROVED MATERIAL AND THE TEST REPEATED UNTIL RESULTS ARE SATISFACTORY.
10. LEAKAGE TEST.
A. A METERED LEAKAGE TEST SHALL BE CONDUCTED AFTER THE PRESSURE TEST HAS BEEN SATISFACTORILY COMPLETED.
B. DURATION OF EACH LEAKAGE TEST SHALL BE AT LEAST 24 HOURS. DURING THE TEST, WATER LINES SHALL BE SUBJECT TO THE NORMAL WATER PRESSURE OF THE VILLAGE WATER SYSTEM.
C. MAXIMUM ALLOWABLE LEAKAGE SHALL CONFORM TO CURRENT IEPA LEAKAGE TESTING SPECIFICATIONS.
D. SHOULD ANY TEST OF PIPE DISCLOSE LEAKAGE GREATER THAN THE MAXIMUM ALLOWABLE AMOUNT, THE DEFECTIVE JOINT OR JOINTS SHALL BE LOCATED AND REPAIRED AND THE 24-HOUR METERED LEAKAGE TEST REPEATED UNTIL THE LEAKAGE IS WITHIN THE SPECIFIED ALLOWANCE.
11. FIRE SUPPRESSION MAINS. SUCH PIPE SHALL BE RATED TO MEET AND ACHIEVE THE 200 PSI TESTING REQUIREMENTS IN ACCORDANCE WITH HUNTLEY FIRE PROTECTION DISTRICT REQUIREMENTS. BOTH THE VILLAGE DEPARTMENT OF PUBLIC WORKS AND ENGINEERING AND THE HUNTLEY FIRE PROTECTION DISTRICT INSPECTOR SHALL ONLY GRANT EXEMPTION TO THIS REQUIREMENT IN WRITING.
12. DISINFECTING.
A. AFTER ALL MAINS HAVE BEEN PRESSURE TESTED AND ACCEPTED BY THE VILLAGE, THE CONTRACTOR SHALL PROCEED TO DISINFECT THE MAIN IN ACCORDANCE WITH ANWWA STANDARD C-651. THE CHLORINATED WATER SHALL BE RETAINED IN THE MAIN FOR A PERIOD OF AT LEAST 24 HOURS. AT THE END OF THE 24-HOUR PERIOD, THE TREATED WATER SHALL CONTAIN NO LESS THAN 25 MG/L CHLORINE THROUGHOUT THE MAIN. THE CONTRACTOR WILL SAMPLE THE CHLORINATED DISINFECTING SOLUTION TO ASSURE THAT THESE MINIMUMS ARE MAINTAINED.
B. AFTER AN APPLICABLE RETENTION PERIOD, THE HEAVILY CHLORINATED WATER SHALL BE FLUSHED FROM THE MAIN UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NOT HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE CHLORINATED WATER BEING FLUSHED FROM THE SYSTEM SHALL BE DECHLORINATED TO MEET USEPA WATER QUALITY CRITERIA FOR "TOTAL RESIDUAL CHLORINE".
C. AFTER FINAL FLUSHING, AND AS WITNESSED BY THE VILLAGE PUBLIC WORKS DEPARTMENT AND THE HUNTLEY FIRE PROTECTION DISTRICT, TWO SAMPLES OF WATER SHALL BE OBTAINED FROM THE MAIN FOR BACTERIOLOGICAL TESTING. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING, DELIVERY, AND PAYMENT OF THE SAMPLES FOR TESTING PURPOSES. FOR MAJOR WATER MAIN INSTALLATION, THE NUMBER OF SAMPLES MAY BE INCREASED AS DETERMINED BY THE VILLAGE PUBLIC WORKS DEPARTMENT. A SECOND SERIES OF SAMPLES SHALL BE COLLECTED NO LESS THAN 24 HOURS AFTER THE FIRST SET OF SAMPLES HAS BEEN COLLECTED. THE INDIVIDUAL SETS OF SAMPLES SHALL BE BACTERIOLOGICALLY TESTED TO SHOW THE ABSENCE OF COLIFORM ORGANISMS. IF EITHER, OR BOTH, SETS OF SAMPLES DO NOT PASS THE BACTERIOLOGICAL EXAMINATION, THE CONTRACTOR SHALL AGAIN DISINFECT THE MAIN IN ACCORDANCE WITH PROCEDURES UNTIL SUCH TIME THAT SATISFACTORY SAMPLES ARE COLLECTED. ALL SAMPLES SHALL BE DELIVERED AND ANALYZED BY PDC LABORATORIES, INC. 4314 W. CRYSTAL LAKE RD, MCHENRY, IL 60050.
D. VACUUM TESTING OF MANHOLES.
A. SANITARY SEWER MANHOLES SHALL BE TESTED FOR LEAKAGE IMMEDIATELY AFTER INSTALLATION.
B. LIFT HOLES SHALL BE PLUGGED WITH A NON-SHRINK GROUT.
C. INLET AND OUTLET PIPES AT THE MANHOLE SHALL BE PLUGGED, TAKING CARE TO SECURELY BRACE PLUG TO AVOID ITS BEING DRAWN INTO MANHOLE.
D. VACUUM TEST EQUIPMENT SHALL BE PLACED AT INSIDE OF TOP OF CONE SECTION AND SEAL INFLATED TO 40 PSI TO EFFECT A SEAL BETWEEN VACUUM BASE AND STRUCTURE.
E. A VACUUM OF TEN INCHES OF MERCURY SHALL BE DRAWN AND VACUUM PUMP SHUT OFF.
F. WITH VALVE CLOSED, TIME SHALL BE MEASURED FOR VACUUM TO DROP TO NINE INCHES.
G. MAINTENANCE TIME IS ACCEPTABLE IF THE TIME EXCEEDS 60 SECONDS FOR A 48-INCH DIAMETER MANHOLE, 75 SECONDS FOR A 60-INCH DIAMETER MANHOLE, AND 90 SECONDS FOR A 72-INCH DIAMETER MANHOLE.
H. IF MANHOLE FAILS INITIAL TEST, NECESSARY REPAIRS SHALL BE MADE WITH A NON-SHRINK GROUT OR OTHER ACCEPTABLE AND APPROVED MATERIALS.
I. RETESTING SHALL PROCEED UNTIL A SATISFACTORY TEST IS OBTAINED.
J. CONTRACTOR SHALL REPAIR ALL VISIBLE DEFECTIVE JOINTS OR LEAKS IN MANHOLE EVEN THOUGH VACUUM TEST REQUIREMENTS ARE MET. UPON COMPLETION OF TESTING, THE TOP TWO (2) STEPS SHALL BE REMOVED FROM ALL MANHOLES.
7. ALL PUBLIC SANITARY SEWER SHALL BE INTERNALLY RECORDED BY REMOTE CAMERA. RECORDINGS SHALL BE IN COLOR DVD FORMAT AND SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ACCEPTANCE OF THE SEWER IMPROVEMENTS BY THE VILLAGE. TELEVIEWING OF THE SEWER PIPE SHALL NOT TAKE PLACE SOONER THAN ONE YEAR AFTER INSTALLATION UNLESS APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING.

SANITARY SEWER SYSTEM

- 1. NON-SHEAR STAINLESS STEEL COUPLINGS SHALL BE USED WHEN CONNECTING SEWER PIPES OF DIFFERENT SIZES. SEWER PIPES SHALL BE INSTALLED WITH PIPE AND FITTINGS SHALL BE THE PRODUCTS OF ONE APPROVED MANUFACTURER ONLY, AND THERE SHALL NOT BE MIXING OF PIPE AND FITTINGS OF DIFFERENT MANUFACTURERS.
2. CONTRACTOR SHALL TEST SEWERS AND SERVICE CONNECTIONS FOR WATER TIGHTNESS BY THE LOW-PRESSURE AIR TESTING, OR EXFILTRATION OR INFILTRATION METHOD AS SELECTED BY THE VILLAGE ENGINEER.
3. LEAKAGE TESTS.
A. LOW PRESSURE AIR TEST.
i. PRIOR TO TESTING FOR LEAKAGE, FLUSH AND CLEAN THE SEWERS BY PASSING A SNUG-FITTING INFLATED RUBBER BALL THROUGH THE SEWER BY UPSTREAM WATER PRESSURE.
ii. SEAL PIPE OPENINGS WITH AIRTIGHT PLUGS AND BRACES.
iii. WHENEVER THE SEWER TO BE TESTED IS SUBMERGED UNDER GROUNDWATER, INSERT A PIPE PROBE BY BORING OR LETTING INTO THE BACKFILL MATERIAL ADJACENT TO THE CENTER OF THE SEWER TO DETERMINE THE GROUNDWATER HYDROSTATIC PRESSURE BY FORCING AIR TO FLOW SLOWLY THROUGH THE PROBE PIPE.
iv. ADD AIR TO THE PLUGGED SEWER SECTIONS UNDER TEST UNTIL INTERNAL AIR PRESSURE REACHES 4.0 PSIG GREATER THAN ANY GROUNDWATER HYDROSTATIC PRESSURE.
v. ALLOW AT LEAST TWO MINUTES FOR AIR TEMPERATURE TO STABILIZE AND ADD AIR TO MAINTAIN THE INITIAL TEST PRESSURE.
vi. SHUT OFF THE AIR SUPPLY AFTER STABILIZING THE AIR TEMPERATURE AND RECORD THE TIME IN SECONDS FOR THE INTERNAL SEWER PRESSURE TO DROP FROM 3.5 PSIG TO 2.5 PSIG GREATER THAN ANY GROUNDWATER HYDROSTATIC PRESSURE.
vii. IF THE AIR TEST FAILS TO MEET THESE REQUIREMENTS, LOCATE AND REPAIR, REMOVE AND REPLACE THE FAULTY SECTIONS OF SEWER IN A MANNER APPROVED BY THE VILLAGE ENGINEER, AS NECESSARY TO MEET THE ALLOWABLE LIMITS UPON RETESTING.
viii. DO NOT USE ACRYLAMIDE GEL SEALANT TO CORRECT LEAKAGE.
B. WATER EXFILTRATION TESTS.
i. SEAL THE SECTION OF SEWER TO BE TESTED BY INSERTING INFLATABLE RUBBER STOPPERS OR BY OTHER MEANS APPROVED BY THE VILLAGE ENGINEER.
ii. FILL THE MANHOLE AND PIPE WITH WATER TO A POINT TWO FEET ABOVE THE TOP OF THE SEWER. ALL CONCRETE JOINTS SHALL BE GROUNDWATER IS PRESENT, TWO FEET ABOVE THE AVERAGE ADJACENT GROUNDWATER LEVEL FOR A PERIOD OF NOT LESS THAN 24 HOURS PRIOR TO MEASURING LEAKAGE.
iii. MAINTAIN THE LEAKAGE RATE OF WATER ADDED TO MAINTAIN THE WATER LEVEL AT THAT LEVEL FOR A PERIOD AS REQUIRED BY THE VILLAGE ENGINEER BUT NOT LESS THAN ONE HOUR.
C. WATER INFILTRATION TEST.
i. IF, IN THE OPINION OF THE VILLAGE ENGINEER, EXCESSIVE GROUNDWATER (A MINIMUM OF 24 INCHES ABOVE THE TOP OF THE SEWER) IS ENCOUNTERED IN THE CONSTRUCTION OF A SECTION OF THE SEWER, THE EXFILTRATION TEST SHALL NOT BE USED.
ii. CLOSE THE END OF THE SEWER AT THE UPPER STRUCTURE DIFFERENCE TO PREVENT THE INFLUX OF WATER.
iii. PUMP OUT GROUNDWATER IN THE SEWER TO ALLOW THE INFILTRATION TO COME TO EQUILIBRIUM, THEN TEST FOR INFILTRATION.
iv. ALLOW 15 MINUTES FOR WATER INFILTRATION OR EXFILTRATION TEST SHALL NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER PER 24 HOURS PER MILE OF SEWER, INCLUDING BUILDING SERVICE CONNECTIONS.
E. CONTRACTOR TO PROVIDE AND USE MEASURING DEVICES APPROVED BY THE VILLAGE ENGINEER.
F. CONTRACTOR TO PROVIDE WATER, MATERIALS, AND LABOR FOR MAKING REQUIRED TESTS.
G. CONTRACTOR TO PERFORM TESTS IN THE PRESENCE OF THE VILLAGE ENGINEER, GIVING AT LEAST THREE DAYS ADVANCE NOTICE OF BEING READY FOR TEST OBSERVATION.
5. DEFLECTION TEST.
A. TEST THE DEFLECTION IN THE INITIAL 1,200 FEET OF INSTALLED PVC AND OTHER FLEXIBLE THERMOPLASTIC PIPE AND NOT LESS THAN 10% OF THE REMAINDER OF THE SEWER PROJECT AT RANDOM LOCATIONS SELECTED BY THE VILLAGE ENGINEER.
B. PERFORM THE TEST NO SOONER THAN 30 DAYS AFTER BACKFILLING HAS BEEN COMPLETED.
C. PERFORM THE TEST BY PULLING A MANDEREL OR RIGID BALL HAVING A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE THROUGH THE PIPE FROM MANHOLE TO MANHOLE WITHOUT USING MECHANICAL PULLING DEVICES.
D. ALLOWABLE DEFLECTION LIMITS. FIVE PERCENT OF THE BASE INSIDE DIAMETER OF THE PVC PIPE.
E. WHEREVER THE DEFLECTION LIMITATION IS EXCEEDED, UNCOVER THE PIPE, CAREFULLY REPAIR CONTACTED EMBEDMENT AND BACKFILL MATERIAL, AND RETEST FOR DEFLECTION.
F. IN THE EVENT 10% OR MORE OF THE SEWER TESTED EXCEEDS THE ALLOWABLE DEFLECTION LIMITS, TEST THE ENTIRE SEWER SYSTEM.
6. VACUUM TESTING OF MANHOLES.
A. SANITARY SEWER MANHOLES SHALL BE TESTED FOR LEAKAGE IMMEDIATELY AFTER INSTALLATION.
B. LIFT HOLES SHALL BE PLUGGED WITH A NON-SHRINK GROUT.
C. INLET AND OUTLET PIPES AT THE MANHOLE SHALL BE PLUGGED, TAKING CARE TO SECURELY BRACE PLUG TO AVOID ITS BEING DRAWN INTO MANHOLE.
D. VACUUM TEST EQUIPMENT SHALL BE PLACED AT INSIDE OF TOP OF CONE SECTION AND SEAL INFLATED TO 40 PSI TO EFFECT A SEAL BETWEEN VACUUM BASE AND STRUCTURE.
E. A VACUUM OF TEN INCHES OF MERCURY SHALL BE DRAWN AND VACUUM PUMP SHUT OFF.
F. WITH VALVE CLOSED, TIME SHALL BE MEASURED FOR VACUUM TO DROP TO NINE INCHES.
G. MAINTENANCE TIME IS ACCEPTABLE IF THE TIME EXCEEDS 60 SECONDS FOR A 48-INCH DIAMETER MANHOLE, 75 SECONDS FOR A 60-INCH DIAMETER MANHOLE, AND 90 SECONDS FOR A 72-INCH DIAMETER MANHOLE.
H. IF MANHOLE FAILS INITIAL TEST, NECESSARY REPAIRS SHALL BE MADE WITH A NON-SHRINK GROUT OR OTHER ACCEPTABLE AND APPROVED MATERIALS.
I. RETESTING SHALL PROCEED UNTIL A SATISFACTORY TEST IS OBTAINED.
J. CONTRACTOR SHALL REPAIR ALL VISIBLE DEFECTIVE JOINTS OR LEAKS IN MANHOLE EVEN THOUGH VACUUM TEST REQUIREMENTS ARE MET. UPON COMPLETION OF TESTING, THE TOP TWO (2) STEPS SHALL BE REMOVED FROM ALL MANHOLES.
7. ALL PUBLIC SANITARY SEWER SHALL BE INTERNALLY RECORDED BY REMOTE CAMERA. RECORDINGS SHALL BE IN COLOR DVD FORMAT AND SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ACCEPTANCE OF THE SEWER IMPROVEMENTS BY THE VILLAGE. TELEVIEWING OF THE SEWER PIPE SHALL NOT TAKE PLACE SOONER THAN ONE YEAR AFTER INSTALLATION UNLESS APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING.

STORM WATER SYSTEM

- 1. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE.
2. WHEN THE REQUIRED VERTICAL AND HORIZONTAL CLEARANCES, AS SPECIFIED BY THE IEPA, BETWEEN PROPOSED STORM SEWER AND EXISTING OR PROPOSED WATER MAINS CANNOT BE MET, CIRCULAR PIPE SHALL BE INSTALLED OF WATER MAIN QUALITY PIPE FOR THE STORM SEWER.

PAVING

- 1. ALL SUBGRADES AND BASES SHALL BE PROOF-ROLLED AND APPROVED BY THE PROJECT'S GEOTECHNICAL ENGINEER AND WITNESSED BY THE VILLAGE OF HUNTLEY ENGINEERING DEPARTMENT PRIOR TO BASE OR BINDER INSTALLATION. SUBGRADES SHALL BE FINISHED BY THE CONTRACTOR TO WITHIN 0.1 FOOT PLUS OR MINUS OF PLAN ELEVATION. THE CONTRACTOR SHALL COORDINATE THE INSPECTION OF THE SUBGRADE FOR ELEVATION WITH THE VILLAGE OF HUNTLEY ENGINEERING DEPARTMENT PRIOR TO THE PLACEMENT OF THE PROPOSED ASPHALT PAVEMENT.
2. THE CONTRACTOR SHALL ENSURE THE SUBGRADE HAS BEEN PROPERLY PREPARED AND THE FINISHED TOP OF SUBGRADE ELEVATION HAS BEEN GRADDED WITHIN THE TOLERANCES ALLOWED IN THESE SPECIFICATIONS. UNLESS THE PAVING CONTRACTOR AND THE VILLAGE ENGINEER IN WRITING PRIOR TO FINE GRADING FOR BASE COURSE CONSTRUCTION, IT IS UNDERSTOOD THE CONTRACTOR HAS APPROVED AND ACCEPTS RESPONSIBILITY FOR THE SUBGRADE. FOR THE PURPOSE OF PROVIDING HANDICAP ACCESSIBILITY AND COMPLYING WITH THE AMERICANS WITH DISABILITIES ACT AND VILLAGE STANDARDS, CURBS SHALL BE DEPRESSED AT LOCATIONS WHERE PUBLIC WALKS OR PEDESTRIAN PATHS INTERSECT CURB LINES AT STREET INTERSECTIONS AND OTHER LOCATIONS AS SPECIFIED BY THE VILLAGE ENGINEER.
3. 3/4 INCH THICK PRE-MOLDED FIBER EXPANSION JOINTS WITH TWO (2) EPOXY COATED 24" LONG NO. 6 PLAIN ROUND STEEL DOWEL BARS SHALL BE INSTALLED AT DESIGNATED INTERVALS AND AT ALL P.C., P.T., CURB RETURNS AND AT THE END OF EACH FOUR ALTERNATE EDGES OF THE DOWEL BARS SHALL BE GREASED AND FITTED WITH PLASTIC OR METAL EXPANSION CAPS.
4. 3/4 INCH THICK FIBER EXPANSION JOINTS SHALL BE USED IN EVERY CASE WHERE THE SIDEWALK COINCIDES WITH THE CURB AND GUTTER.
5. CONTRACTOR JOINTS SHALL BE SAW CUT AT DESIGNATED INTERVALS IN THE CURB. THE COST OF THESE JOINTS SHALL BE CONSIDERED AS INCIDENTAL.
6. CURB & GUTTER AND SIDEWALKS SHALL BE CONSTRUCTED AT THE DIMENSIONS AS SHOWN IN THE CONSTRUCTION PLANS. ALL CONCRETE SHALL BE AN IDOT APPROVED CLASS Sl CONCRETE MIX AND SHALL DEVELOP A MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH AT FOURTEEN (14) DAYS.
7. SIDEWALK CONTROL JOINTS SHALL BE SET AT FIVE (5) FOOT CENTERS, AND ONE- AND ONE-HALF (1 1/2) INCH PRE-CAST FIBER EXPANSION JOINTS AT FIFTY (50) FOOT CENTERS AND WHERE THE SIDEWALK MEETS THE CURB OR ANOTHER SIDEWALK, OR AT THE END OF EACH POUR. ALL SIDEWALKS CONSTRUCTED OVER UTILITY TRENCHES AND/OR ADJUTING DRIVEWAY APRONS SHALL BE REINFORCED WITH TWO (2) NO. 4 REINFORCING BARS (20 FOOT MINIMUM LENGTH).
8. ALL CONSTRUCTION INTERSECTING PUBLIC OR PRIVATE ROADWAYS SHALL BE RAMPED TO MEET A DEPRESSED CURB AND GUTTER SECTION IN CONFORMANCE WITH CURRENT STANDARDS OF THE AMERICANS WITH DISABILITIES ACT. TRUNCATED DOME PANELS MUST BE INSTALLED PER MANUFACTURER REQUIREMENTS. PANELS MUST MEET CURRENT VILLAGE APPROVED MATERIAL LIST REQUIREMENTS.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE MATERIAL TESTING OF ALL SUBGRADES, SUBBASES, HMA AND PCC ITEMS CONSTRUCTED IN MUNICIPAL EASEMENTS, PUBLIC BROW OR ROADWAY CONSTRUCTION. TESTING PROCEDURES, TEST METHODS AND STANDARDS SHALL MEET IDOT QUALITY CONTROL MINIMUM REQUIREMENTS. THE VILLAGE RESERVES THE RIGHT TO REQUIRE ADDITIONAL MATERIAL TESTING TO ENSURE ALL MATERIALS MEET REQUIRED SPECIFICATIONS. MATERIAL TESTING SHALL BE PERFORMED BY A QUALIFIED MATERIAL TESTING FIRM AND PERSONNEL. ALL MATERIAL TESTING REPORTS SHALL BE PROVIDED TO THE VILLAGE FOR REVIEW AND PROJECT ACCEPTANCE.

PROJECT ACCEPTANCE

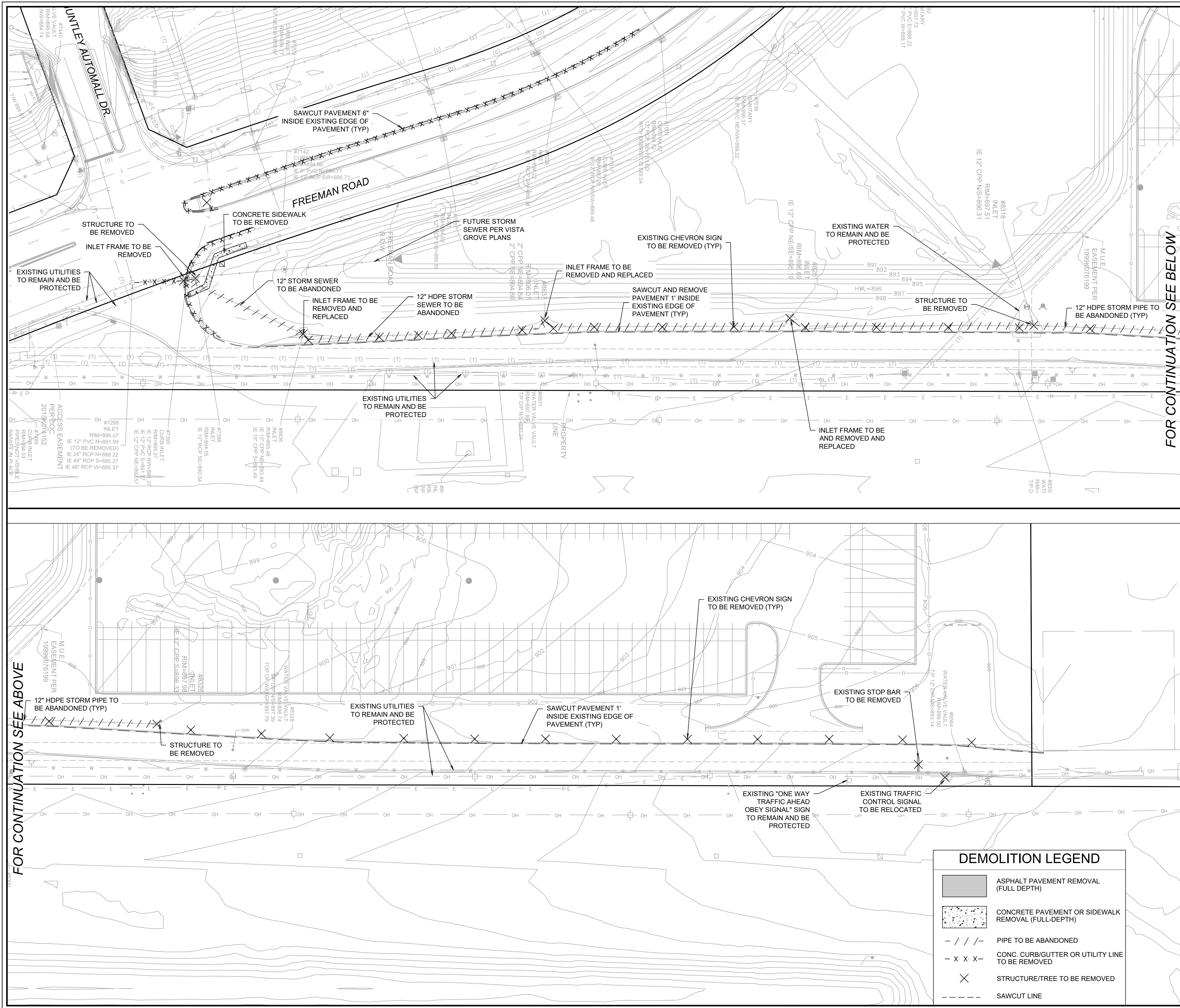
- 1. THE CONTRACTOR SHALL CONDUCT AN INSPECTION OF ALL WORK AND MAKE REPAIRS OR ADJUSTMENTS PRIOR TO REQUESTING INITIAL ACCEPTANCE BY THE VILLAGE OF HUNTLEY.
2. UPON WRITTEN REQUEST OF THE SUBDIVIDER, AND AFTER THE REQUIRED IMPROVEMENTS HAVE BEEN COMPLETED AND RECORD DRAWINGS HAVE BEEN SUBMITTED, THE VILLAGE ENGINEER SHALL MAKE A FINAL INSPECTION OF THE COMPLETED WORK. THE VILLAGE ENGINEER SHALL THEN PREPARE A FINAL PUNCH LIST, ITEMIZING ALL ITEMS NOT MEETING THE REQUIREMENTS OF THE APPROVED DRAWINGS AND SPECIFICATIONS. UPON COMPLETION OF ALL ITEMS LISTED IN THE FINAL PUNCH LIST, THE SUBDIVIDER SHALL REQUEST, IN WRITING, A FINAL INSPECTION. WHEN ALL ITEMS ARE FOUND TO MEET THE REQUIREMENTS OF THE VILLAGE AND THE APPROVED DRAWINGS AND SPECIFICATIONS, THE VILLAGE ENGINEER SHALL NOTIFY THE VILLAGE MANAGER, IN WRITING, OF HIS RECOMMENDATION FOR APPROVAL AND ACCEPTANCE OF THE IMPROVEMENTS.
3. THE VILLAGE MANAGER SHALL SCHEDULE THE ACCEPTANCE FOR THE NEXT AVAILABLE REGULAR VILLAGE BOARD COMMITTEE OF THE WHOLE MEETING. PRIOR TO FINAL ACCEPTANCE OF THE PUBLIC IMPROVEMENTS, THE SUBDIVIDER SHALL SUBMIT A 10% MAINTENANCE BOND FOR THE FULL VALUE OF THE PUBLIC IMPROVEMENTS AS ESTIMATED BY THE SUBDIVIDER'S ENGINEER AND APPROVED BY THE VILLAGE ENGINEER. SAID MAINTENANCE BOND SHALL BE THE DEVELOPER'S GUARANTEE AGAINST DEFECTS OF THE PUBLIC IMPROVEMENTS / WORKMANSHIP, AND SHALL REMAIN IN EFFECT THREE YEARS AFTER ACCEPTANCE. MAINTENANCE OF THE PUBLIC IMPROVEMENTS BY THE VILLAGE BOARD, UPON ACCEPTANCE BY THE VILLAGE BOARD, THE BALANCE OF THE PUBLIC IMPROVEMENTS CONSTRUCTION GUARANTEE SHALL BE RELEASED TO THE SUBDIVIDER.
4. WRITTEN ACCEPTANCE REQUEST AFOREMENTIONED MUST BE SUBMITTED BETWEEN APRIL 1ST AND SEPTEMBER 1ST (OF THE SAME CALENDAR YEAR). FINAL ACCEPTANCE BY THE VILLAGE BOARD OF TRUSTEES MUST OCCUR BY OCTOBER 15TH OF THE SAME YEAR AND THE WRITTEN ACCEPTANCE REQUEST. FAILURE TO MEET THE OCTOBER 15TH DATE WILL RESULT IN DEFERRAL OF THE ACCEPTANCE PROCEDURES TO THE FOLLOWING CALENDAR YEAR.
5. ANY AREA OUTSIDE PROPERTY LINES OR IDENTIFIED CONSTRUCTION LIMITS USED BY THE GENERAL OR SUB-CONTRACTORS SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO CONSTRUCTION.

Table with columns: NO., DATE, DESCRIPTION, REVISIONS, ORIGINAL ISSUE DATE: 10-08-2025. Includes project name 'VILLAGE OF HUNTLEY WEBER ACCESS ROAD IMPROVEMENTS' and drawing number '1.2'.



STANDARD DETAILS - GENERAL NOTES

Table with columns: SCALE: NTS, DATE: 1/1/2016, DRAWN/CHECKED: CBBel/TPF, REVISED: 10/21/2021, DRAWING NUMBER: -/-



**NOTES:**

- THE EXTENT OF DEMOLITION WORK IS AS GENERALLY SHOWN ON THE CONSTRUCTION DOCUMENTS. SPECIFIC DEMOLITION PROCESSES OR PROCEDURES FOR DEMOLITION AND STRUCTURAL CONSIDERATIONS ARE THE RESPONSIBILITY OF OTHERS. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND DISPOSAL OFFSITE OF THE FOLLOWING ITEMS:
  - SIDEWALK AND ON-SITE PAVEMENT
  - UTILITIES
  - CONSTRUCTION DEBRIS
- ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN SHALL BE SAWCUT FULL DEPTH AT THE EDGES PRIOR TO REMOVAL TO OBTAIN A "CLEAN" JOINT WHERE IT ABUTS NEW CURB OR PAVEMENT.
- CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOLISHED SITE PAVEMENT AS STRUCTURAL FILL.
- STRUCTURES TO BE DEMOLISHED SHALL BE VACATED AND DISCONTINUED FROM USE PRIOR TO START OF WORK. OWNER ASSUMES NO RESPONSIBILITY FOR ACTUAL CONDITION OF STRUCTURES TO BE DEMOLISHED. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSES WILL BE MAINTAINED BY OWNER IN SO FAR AS PRACTICABLE. HOWEVER, VARIATIONS WITHIN THE STRUCTURES MAY OCCUR BY OWNER'S REMOVAL AND SALVAGE OPERATIONS PRIOR TO START OF DEMOLITION WORK.
- ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED AS WORK PROGRESSES AND AS APPROVED BY THE OWNER. SALVAGED ITEMS MUST BE TRANSPORTED FROM THE SITE AS THEY ARE REMOVED. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED.
- CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF BUILDINGS, PAVEMENTS AND UTILITIES TO REMAIN FROM ANY DAMAGE AND SHALL BE RESPONSIBLE FOR REPAIRING THE SAME.
- EXISTING UTILITIES, WHICH DO NOT SOLELY SERVICE STRUCTURES BEING DEMOLISHED, ARE TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS.
- EXISTING UTILITIES TO BE ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FILLED WITH FA-1 OR APPROVED EQUAL. ALL UNDERGROUND UTILITIES TO BE REMOVED ARE TO HAVE THEIR TRENCHES BACKFILLED WITH ENGINEERED FILL OR SELECT EXCAVATED MATERIAL, AS APPROVED BY THE GEOTECHNICAL ENGINEER, TO 95% OF MODIFIED PROCTOR DENSITY.
- ALL PRIVATE UTILITIES (ELECTRIC, CABLE, TELEPHONE, FIBER OPTIC, GAS) SHALL BE REMOVED AND RELOCATED PER THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.
- CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND THE GOVERNING MUNICIPALITY. DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED IN-KIND AND THEIR REPLACEMENT COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- REMOVAL, ABANDONMENT, AND RELOCATION OF EXISTING UTILITIES SHALL BE COMPLETED AS GENERALLY DEPICTED ON THESE PLANS. CONTRACTOR TO COORDINATE RELOCATIONS WITH THE UTILITY OWNER. CONTRACTOR SHALL MINIMIZE DISRUPTION OF SERVICE AND SHALL WORK WITH UTILITY OWNER TO MAINTAIN AN ACCEPTABLE LEVEL OF SERVICE.
- USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO MINIMIZE DUST AND DIRT FROM RISING AND SCATTERING IN THE AIR. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
- COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE IDOT APPROVED AGGREGATE (CA-6) OR APPROVED EQUAL.
- SEE LANDSCAPE PLANS FOR INFORMATION ON LANDSCAPE AND TREE PROTECTION, PRESERVATION, AND REMOVAL.
- EXISTING MONITORING WELLS ARE TO BE REMOVED AS NECESSARY AND SEALED BY STATE LICENSED WELL DRILLER PER ILLINOIS DEPARTMENT OF PUBLIC HEALTH REQUIREMENTS AND/OR LOCAL/COUNTY REQUIREMENTS.
- THESE DRAWINGS DO NOT INCLUDE THE REMOVAL OF UNDERGROUND STORAGE TANKS. SHOULD UNDERGROUND STORAGE TANKS BE ENCOUNTERED, CONTRACTOR TO CONTACT OWNER AND ENGINEER TO DETERMINE RESPONSIBILITY FOR ANY ENVIRONMENTAL REMEDIATION OR REMOVAL WORK AS NECESSARY. ANY REMOVAL OF UNDERGROUND STORAGE TANKS MUST BE IN CONFORMANCE WITH LOCAL AND STATE STANDARDS.
- ALL ABANDONED OR PLUGGED SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST A 2 FOOT LONG NON-SHRINK CONCRETE OR MORTAR PLUG.

| REVISIONS |          | NO.                                      | DATE | DESCRIPTION |
|-----------|----------|------------------------------------------|------|-------------|
| 1         | 04/28/23 | HUNTLEY RESUBMITTAL                      |      |             |
| 2         | 08/11/23 | HUNTLEY RESUBMITTAL                      |      |             |
| 3         | 12/27/23 | HUNTLEY RESUBMITTAL                      |      |             |
| 4         | 10/23/24 | REVISED PER CLIENT REQUEST               |      |             |
| 5         | 11/08/24 | REVISED PER CLIENT REQUEST               |      |             |
| 6         | 10/08/25 | RESUBMITTAL PER VISTA GROVE COORDINATION |      |             |

|                  |                |
|------------------|----------------|
| PROJECT NO.:     | 9252WEBER.2022 |
| PROJECT MANAGER: | DLG            |
| DESIGNED BY:     | KC             |
| DRAWN BY:        | DB             |

|                      |            |
|----------------------|------------|
| ORIGINAL ISSUE DATE: | 10-08-2025 |
|----------------------|------------|

**DEMOLITION PLAN**

**WEBER ACCESS ROAD IMPROVEMENTS**

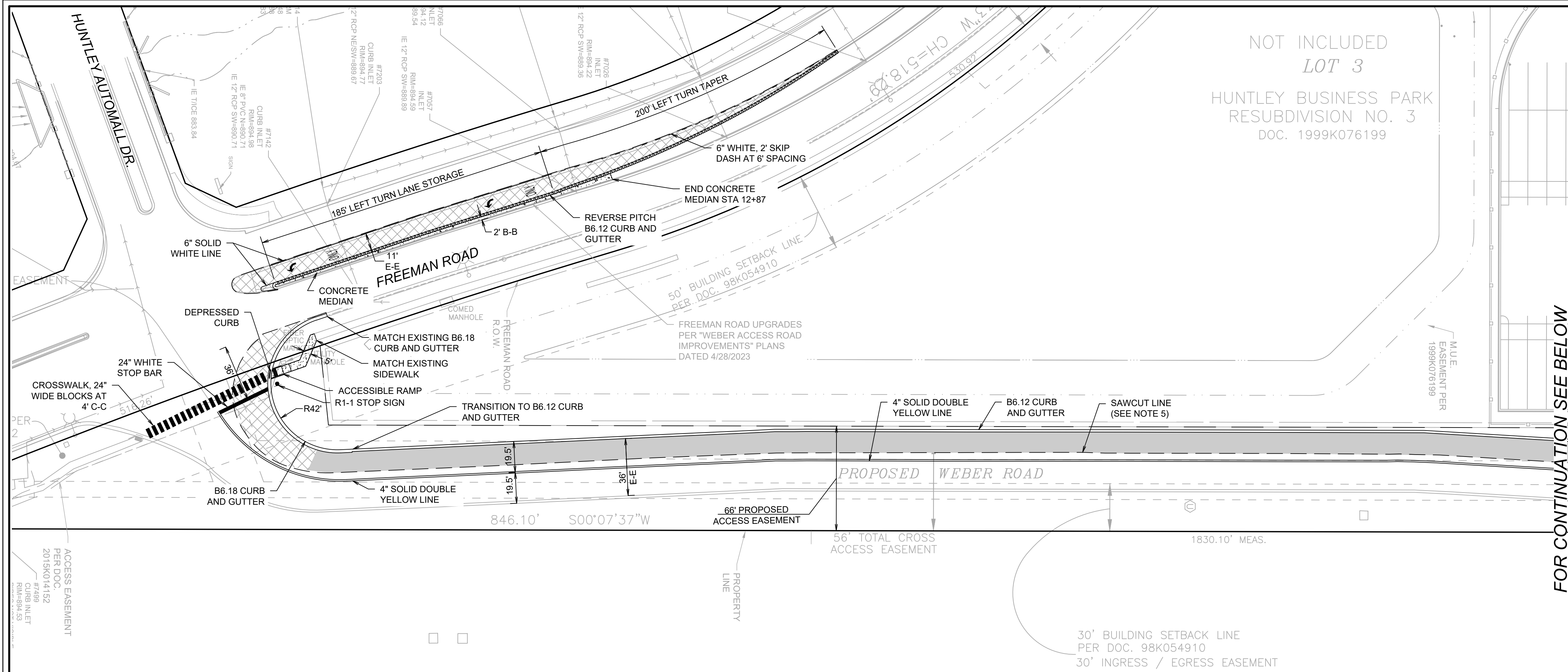
HUNTLEY ILLINOIS

7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com

DRAWING NO.  
**2.0**

FOR CONTINUATION SEE BELOW

FOR CONTINUATION SEE ABOVE



- NOTES:**
- ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
  - ALL STRIPING SHALL BE THERMOPLASTIC. SEE DETAIL SHEET 6.1.
  - ALL CURB AND GUTTER SHALL BE B6.12 UNLESS OTHERWISE NOTED.
  - ALL SIGNAGE TO BE MUTCD, LATEST EDITION.
  - ALONG WEBER ROAD, 24" WIDE STRIP REFLECTIVE CRACK CONTROL FABRIC SHALL BE PLACED AND CENTERED OVER ALL LOCATIONS OF EXISTING PAVEMENT PROPOSED TO BE SAWCUT. THIS WILL REQUIRE THE MILLING OF EXISTING PAVEMENT'S SURFACE A MINIMUM OF 12" FOLLOWING THE PAVING OF THE PROPOSED BINDER COURSE.

**PAVING LEGEND**

**FREEMAN ROAD PAVEMENT**

- 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70
- 2.5" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- 8" HOT-MIX ASPHALT BASE COURSE, TYPE B
- 6" AGGREGATE BASE COURSE, TYPE B

**WEBER ACCESS ROAD PAVEMENT**

- 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70
- 2.5" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- 8" HOT-MIX ASPHALT BASE COURSE, TYPE B
- 6" AGGREGATE BASE COURSE, TYPE B

**CONCRETE SIDEWALK**

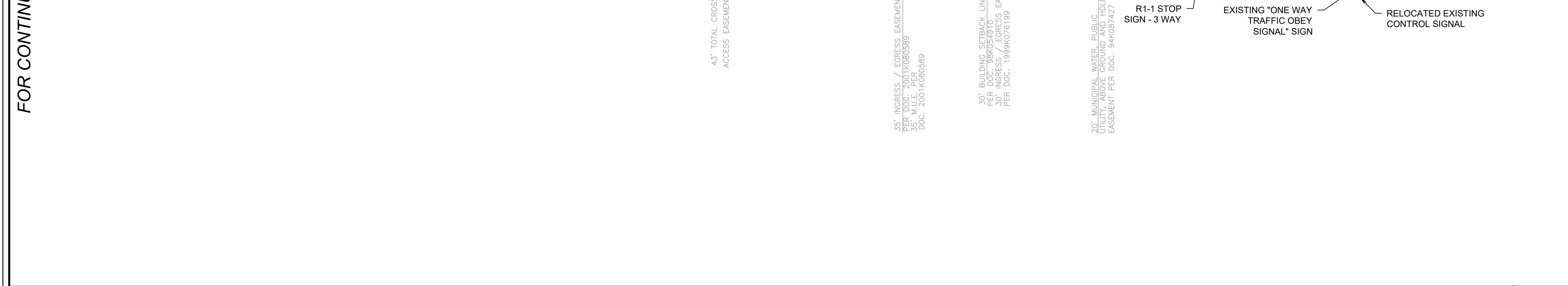
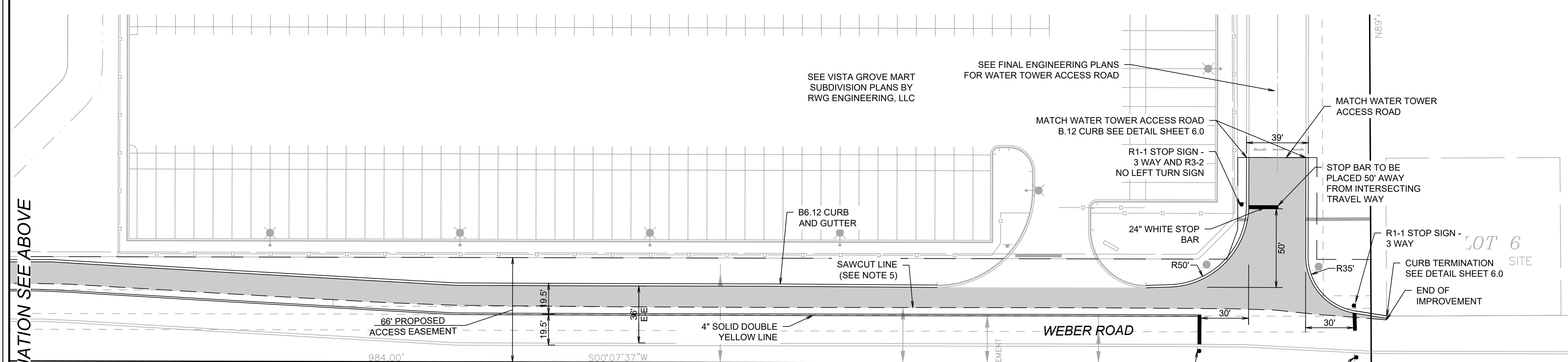
- 5" P.C. CONCRETE SIDEWALK
- 4" AGGREGATE BASE COURSE, TYPE B

**CONCRETE MEDIAN**

- 5" P.C. CONCRETE MEDIAN WITH IDOT APPROVED FIBER MESH ADDITIVE
- 4" AGGREGATE BASE COURSE, TYPE B

**CURB LEGEND**

- REGULAR PITCH CURB AND GUTTER
- REVERSE PITCH CURB AND GUTTER
- DEPRESSED CURB AND GUTTER



**LAYOUT AND PAVING PLAN**

**WEBER ACCESS ROAD IMPROVEMENTS**

HUNTLEY ILLINOIS

PROJECT NO.: 9252WEBER-2022  
 ORIGINAL ISSUE DATE: 10-08-2025

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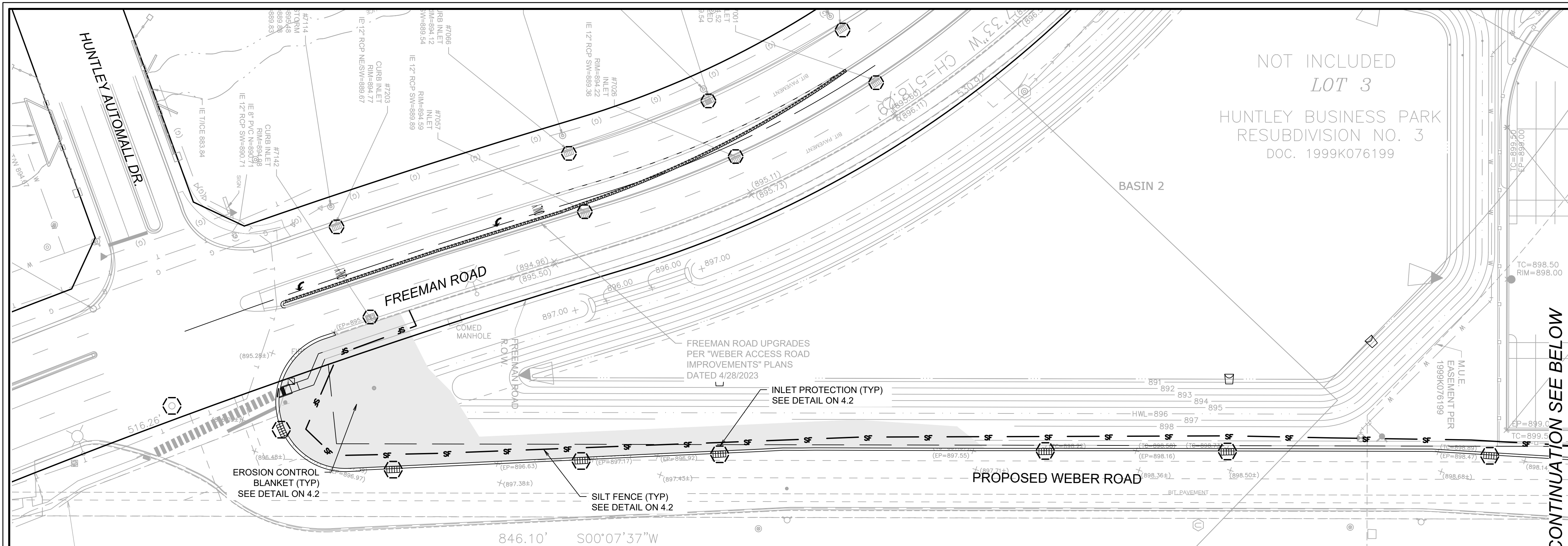
PROJECT MANAGER: DLG  
 DESIGNED BY: KC  
 DRAWN BY: DB

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 Woodridge, IL 60517  
 630.724.9200 phone  
 www.v3co.com

**GRAPHIC SCALE**

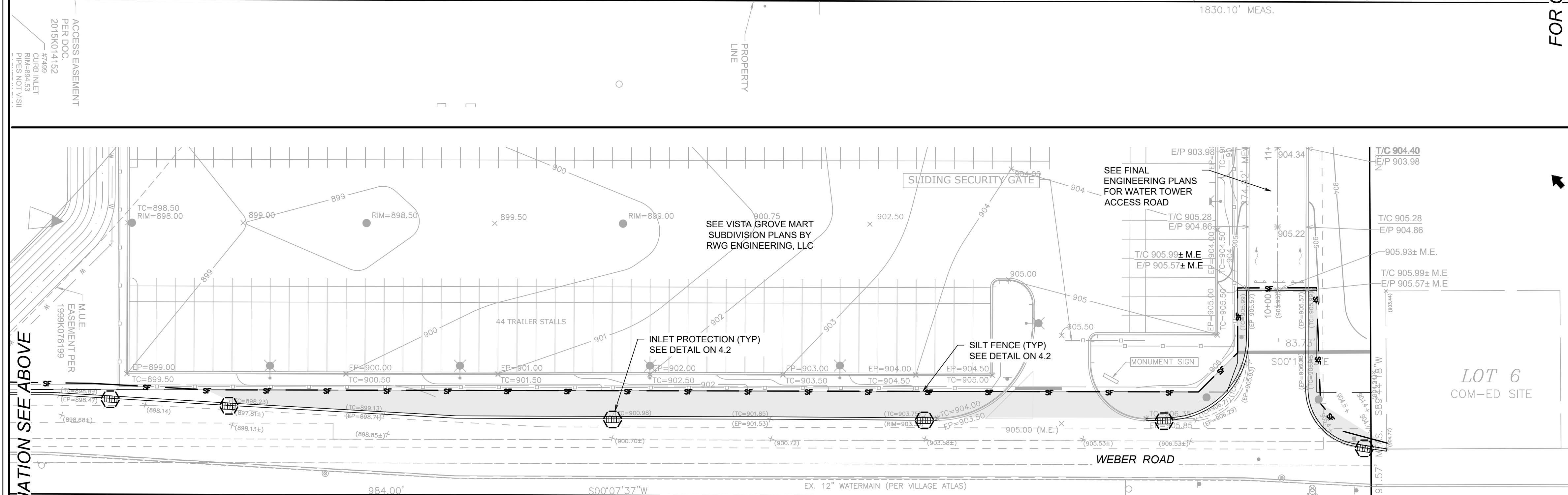
1" = 40'

DRAWING NO.  
**3.0**

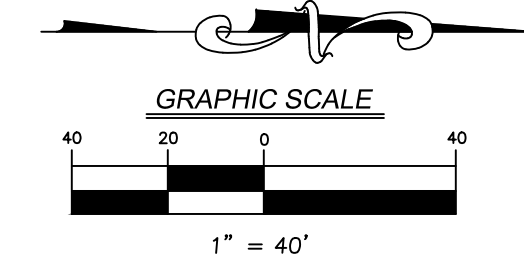
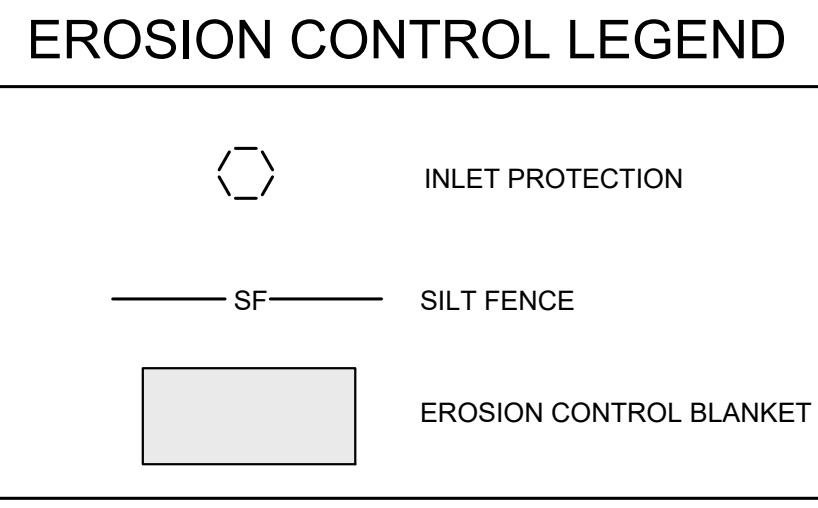


- NOTES:**
- CONTRACTOR TO INSTALL SILT FENCE PRIOR TO COMMENCEMENT OF ANY EARTHWORK. CONTRACTOR TO MAINTAIN SILT FENCE AS SHOWN AND INSTALL ADDITIONAL SILT FENCE WHEREVER NECESSARY THROUGHOUT CONSTRUCTION ACTIVITIES TO MINIMIZE SOIL EROSION.
  - CONTRACTOR TO INSTALL INLET PROTECTION ON ALL OPEN LID STRUCTURES. SEE INLET PROTECTION DETAIL ON SHEET 4.2.
  - ALL SEDIMENT AND EROSION CONTROL MEASURES IN AND AROUND THE PROPOSED IMPROVEMENTS ARE TO REMAIN IN PLACE AND TO BE MAINTAINED THROUGHOUT CONSTRUCTION ACTIVITIES UNTIL THE PROPOSED IMPROVEMENTS ARE COMPLETED AND THE SITE ADEQUATELY STABILIZED.
  - THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY V3 COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY, AS REQUIRED BY THE IEPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.
  - EROSION CONTROL BLANKET SHALL BE NAG SC-150 BN.

FOR CONTINUATION SEE BELOW



FOR CONTINUATION SEE ABOVE



ORIGINAL ISSUE DATE: 10-08-2025

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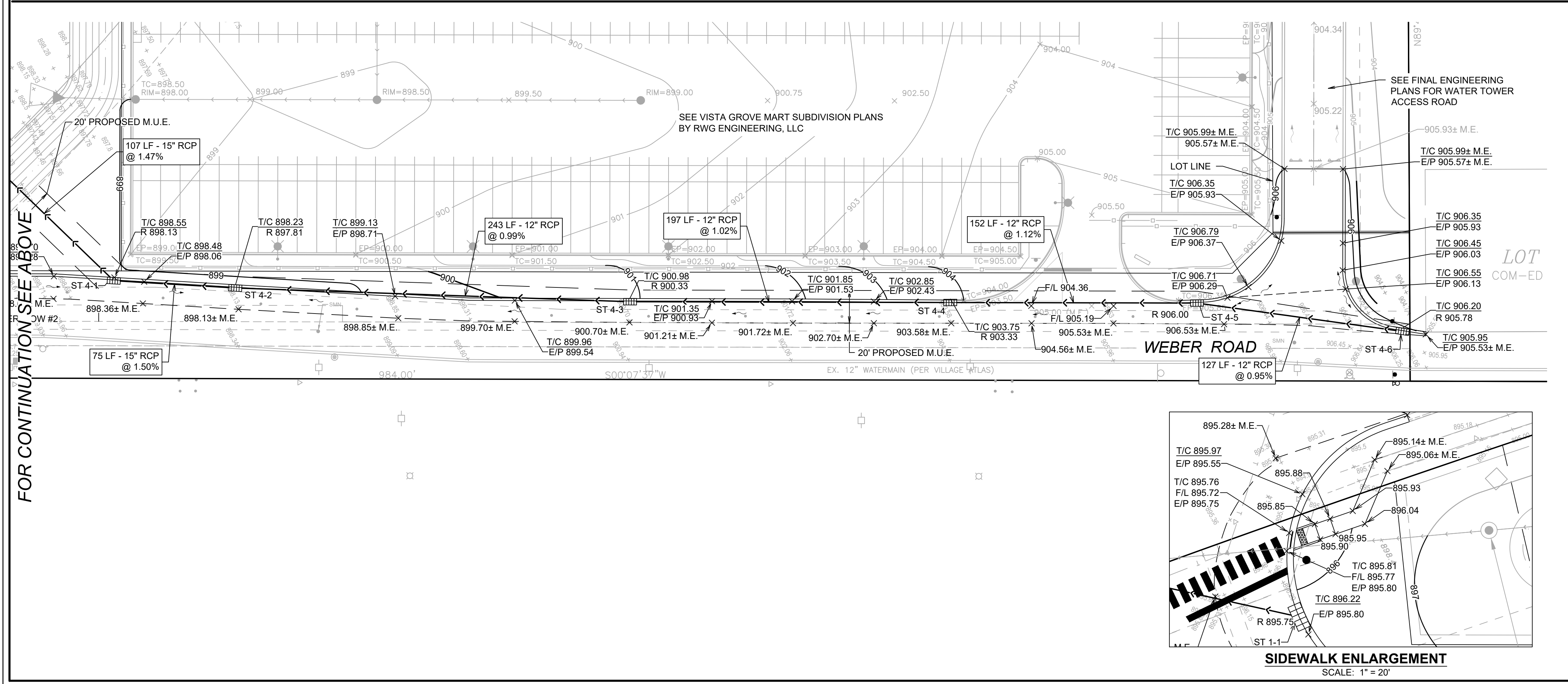
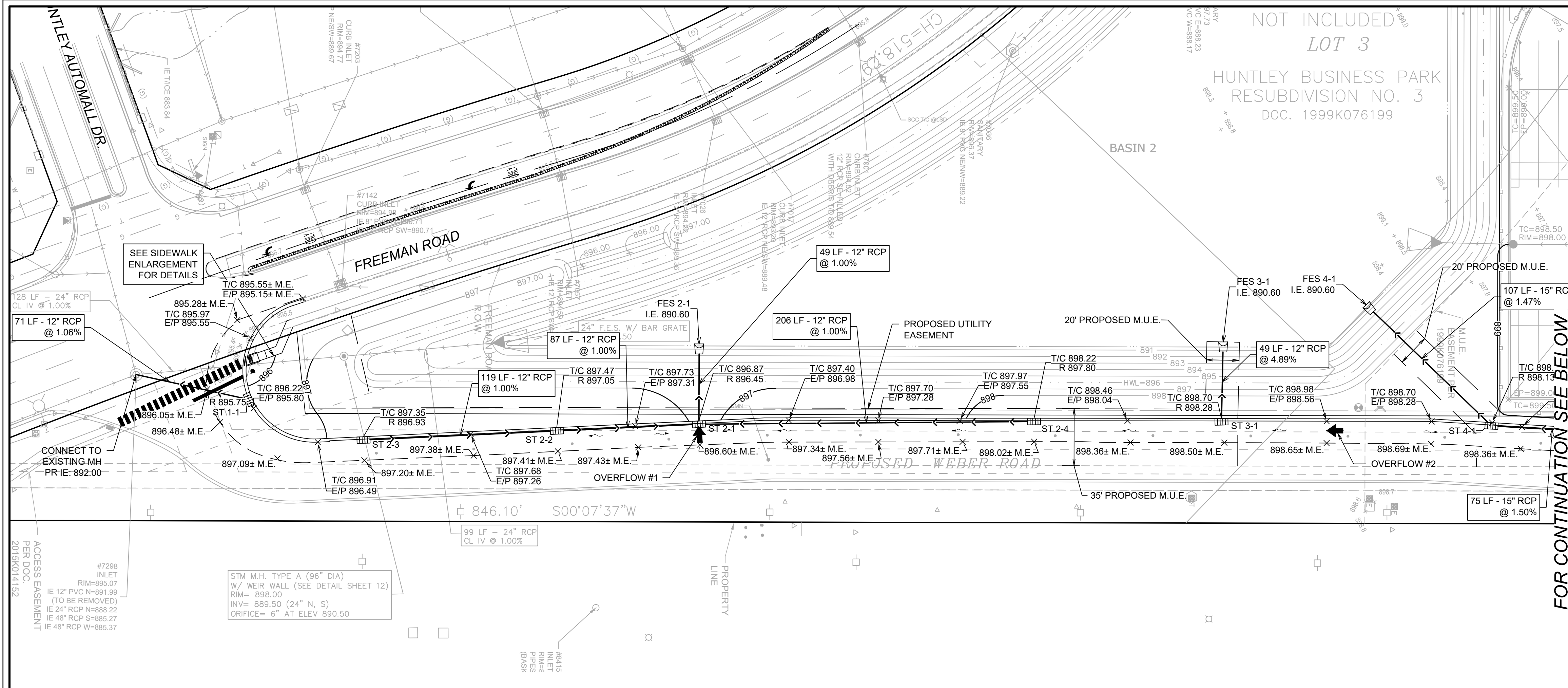
|                  |                |
|------------------|----------------|
| PROJECT NO.:     | 9252WEBER-2022 |
| PROJECT MANAGER: | DJG            |
| DESIGNED BY:     | KC             |
| DRAWN BY:        | DB             |

**EROSION CONTROL PLAN**  
**WEBER ACCESS ROAD**  
**IMPROVEMENTS**

HUNTLEY ILLINOIS

7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
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DRAWING NO.  
**4.1**



- GRADING NOTES:**
1. ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
  2. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. SUBTRACT TOPSOIL THICKNESS OR PAVEMENT SECTION TO ESTABLISH SUBGRADE ELEVATIONS.
  3. PROVIDE 1.50% CROSS SLOPE AND 4.00% MAXIMUM LONGITUDINAL SLOPE ON ALL SIDEWALKS AND PEDESTRIAN PATHS UNLESS OTHERWISE INDICATED. PLEASE NOTE THAT THE ILLINOIS ACCESSIBILITY CODE REQUIRES A MAXIMUM CONSTRUCTED CROSS SLOPE OF 2.00% AND LONGITUDINAL SLOPE OF 5.00%.
  4. THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADE. A MINIMUM OF 4 INCHES OF TOPSOIL IS TO BE PLACED BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED, UNLESS OTHERWISE NOTED.

- UTILITY NOTES:**
1. CONTRACTOR TO FIELD VERIFY LOCATION, INVERT, AND SIZE OF ALL EXISTING UTILITIES PRIOR TO ORDERING MATERIALS OR BEGINNING UTILITY WORK. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
  2. STORM SEWERS SHALL BE CONSTRUCTED OF THE REINFORCED CONCRETE PIPE (RCP) IN CONFORMANCE WITH IDOT STANDARD SPECIFICATIONS DETERMINATION FOR PIPE CLASS, AND CONFORMING TO ASTM C76. ALL STORM SEWER SHALL HAVE GASKETED JOINTS CONFORMING TO ASTM C-361, UNLESS OTHERWISE NOTED.
  3. PRECAST STORM SECTIONS SHALL BE SEALED USING BUTYL RUBBER SEALANT.
  4. THE WORDS "STORM" AND "VILLAGE OF HUNTLEY" SHALL BE CAST INTO THE SURFACE OF STORM LIDS.

**STORM STRUCTURE TABLE**

| STRUCTURE  | RIM         | DESCRIPTION                         | INVERT IN                         | INVERT OUT     |
|------------|-------------|-------------------------------------|-----------------------------------|----------------|
| EX. MH 1-1 | RIM: 895.07 | EXISTING INLET                      | 892.00 (12" N)                    |                |
| FES 2-1    | RIM: 890.60 | 12" FES                             | 890.60 (12" E)                    |                |
| FES 3-1    | RIM: 890.60 | 12" FES                             | 890.60 (12" E)                    |                |
| FES 4-1    | RIM: 890.60 | 12" FES                             | 890.60 (15" NE)                   |                |
| ST 1-1     | RIM: 895.75 | 2' DIA CB CURB INLET NEENAH 3281-A  |                                   | 892.75 (12" S) |
| ST 2-1     | RIM: 896.45 | 4' DIA CB CURB INLET NEENAH 3281-A  | 891.09 (12" S)<br>891.09 (12" N)  | 891.09 (12" W) |
| ST 2-2     | RIM: 897.05 | 4' DIA CURB INLET NEENAH 3281-A     | 891.96 (12" S)                    | 891.96 (12" N) |
| ST 2-3     | RIM: 896.93 | 2' DIA CURB INLET NEENAH 3281-A     |                                   | 893.15 (12" N) |
| ST 2-4     | RIM: 897.80 | 2' DIA CURB INLET NEENAH 3281-A     |                                   | 893.15 (12" S) |
| ST 3-1     | RIM: 898.28 | 2' DIA CB CURB INLET NEENAH 3281-A  |                                   | 893.00 (12" W) |
| ST 4-1     | RIM: 898.13 | 4' DIA. CB CURB INLET NEENAH 3281-A | 892.17 (15" N)<br>892.17 (15" SW) |                |
| ST 4-2     | RIM: 897.81 | 4' DIA CURB INLET NEENAH 3281-A     | 893.29 (12" N)                    | 893.29 (15" S) |
| ST 4-3     | RIM: 900.33 | 4' DIA CURB INLET NEENAH 3281-A     | 895.70 (12" N)                    | 895.70 (12" S) |
| ST 4-4     | RIM: 900.33 | 4' DIA CURB INLET NEENAH 3281-A     | 897.70 (12" N)                    | 897.70 (12" S) |
| ST 4-5     | RIM: 906.01 | 4' DIA CURB INLET NEENAH 3281-A     | 899.40 (12" N)                    | 899.40 (12" S) |
| ST 4-6     | RIM: 905.78 | 2' DIA CURB INLET NEENAH 3281-A     |                                   | 900.61 (12" S) |

**REVISIONS**

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| 5   | 11/08/24 | REVISED PER CLIENT REQUEST               |
| 6   | 11/08/24 | RESUBMITTAL PER VISTA GROVE COORDINATION |

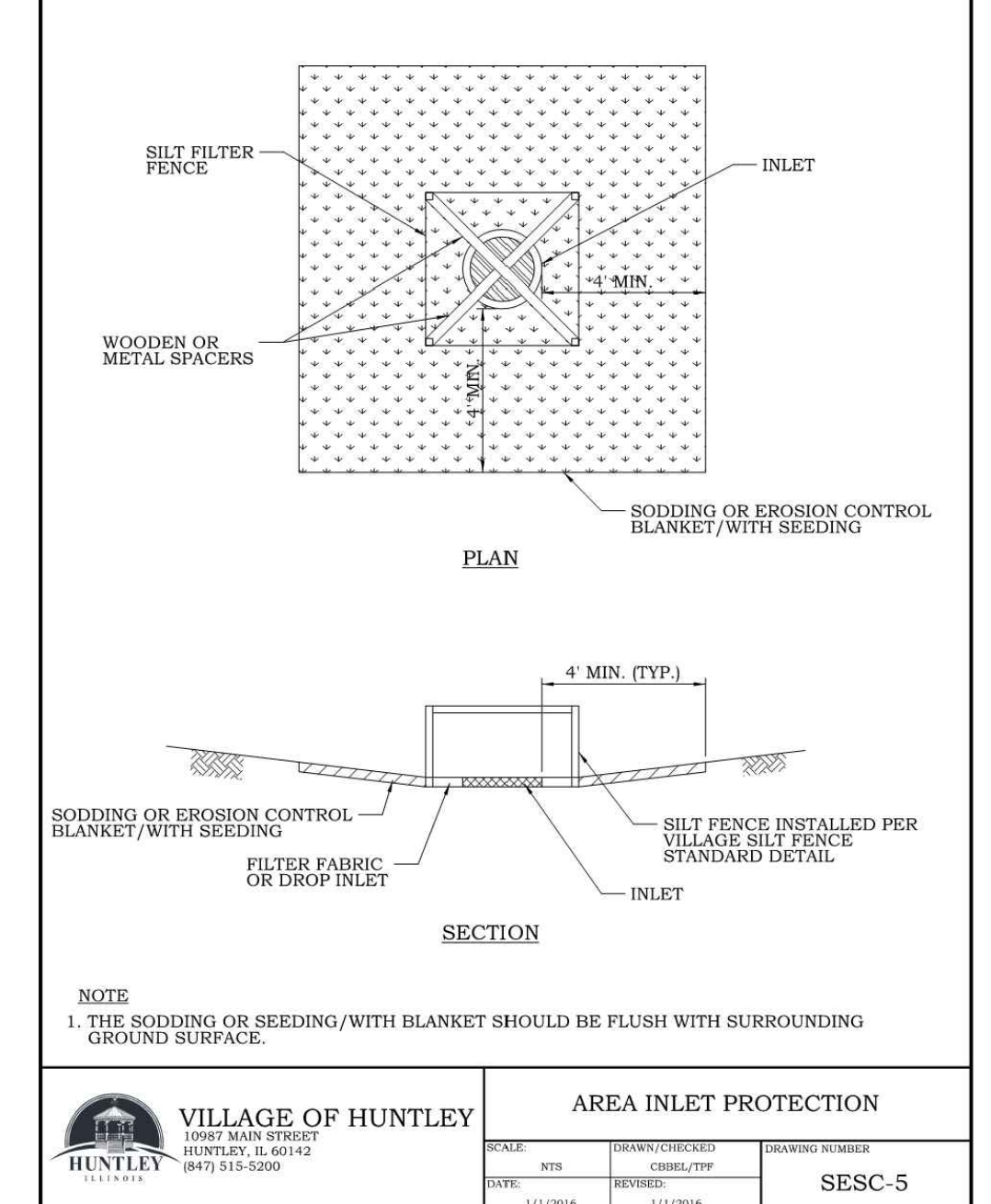
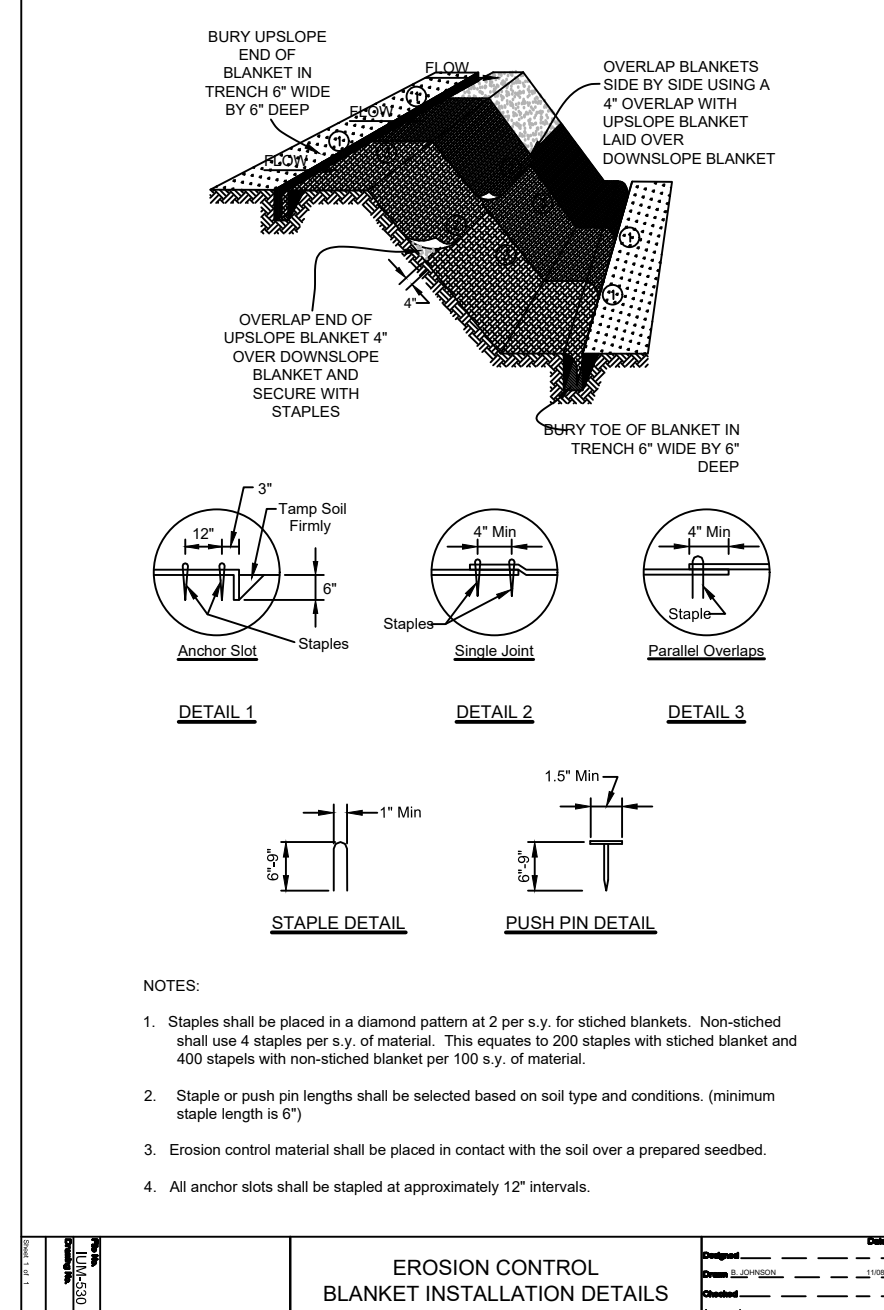
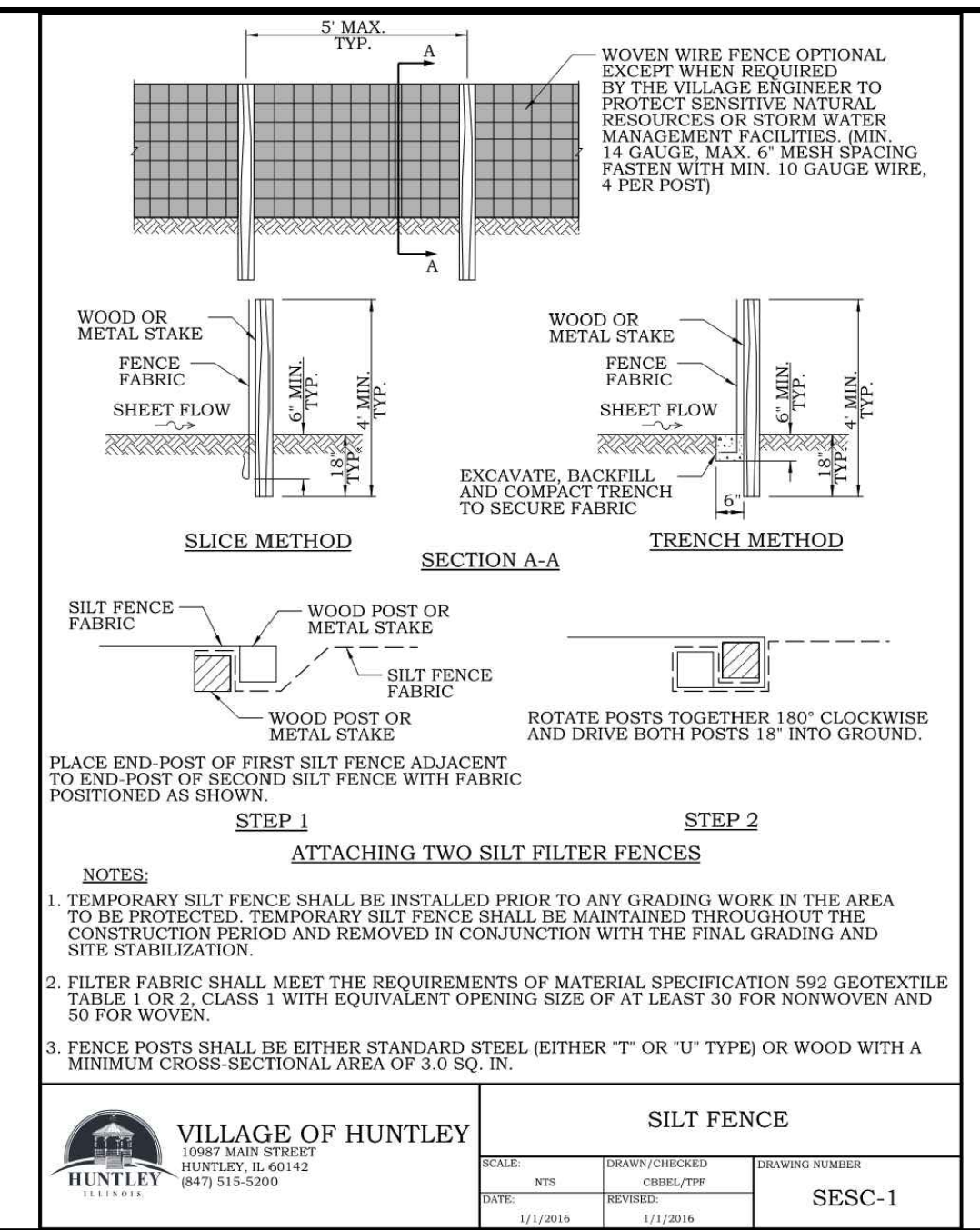
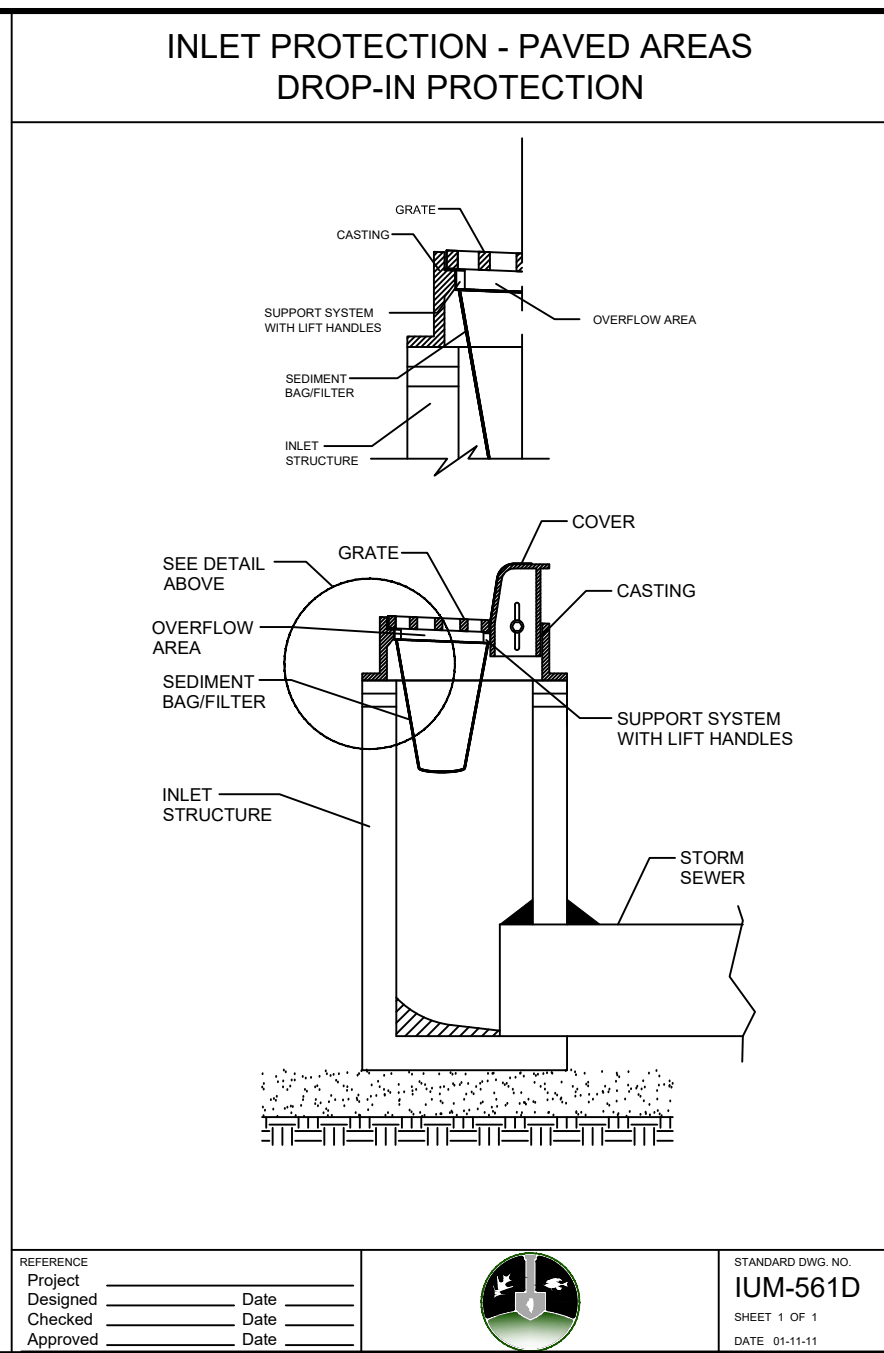
ORIGINAL ISSUE DATE: 10-08-2025

**GRADING AND UTILITY PLAN**  
**WEBER ACCESS ROAD**  
**IMPROVEMENTS**

ILLINOIS  
HUNTLEY

7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
www.v3co.com

DRAWING NO.  
**4.0**



|                              | STANDARD                                                                             | DESCRIPTION                                                                                                                                                                                     |
|------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EROSION CONTROL BLANKET      | IUM-530<br>IUM-531                                                                   | EROSION CONTROL BLANKET<br>EROSION CONTROL BLANKET, TURF REINFORCEMENT MAT (TRM)                                                                                                                |
| INLET PROTECTION             | IUM-531<br>IUM-531<br>IUM-561C<br>IUM-561D<br>IUM-562                                | MANUFACTURED ABOVE GRADE MONOFILAMENT FABRIC BARRIER FENCE<br>IMPERVIOUS AREAS CURB PROTECTION<br>PAVED AREAS DROP-IN PROTECTION LOG TYPE                                                       |
| END SECTION INLET PROTECTION | IL-508ST<br>IL-610<br>IL-611                                                         | CULVERT INLET PROTECTION - STONE<br>PIPE OUTLET TO FLAT AREA<br>PIPE OUTLET TO CHANNEL                                                                                                          |
| DITCH CHECK                  | IUM-514PC<br>IUM-514RC<br>IUM-514SC<br>IUM-514UP<br>IUM-514VC<br>IL-605CA<br>IL-605R | PLASTIC PERMEABLE ROLLED EROSION CONTROL<br>SYNTHETIC POROUS CONTROL<br>URETHANE FOAM GEOTEXTILES<br>VEGETATED EROSION CONTROL<br>ROCK CHECK DAM - COARSE AGGREGATE<br>ROCK CHECK DAM - RIP RAP |
| DEWATERING                   | IL-650                                                                               | SUMP PIT PLAN                                                                                                                                                                                   |
| CONCRETE WASHOUT             | IUM-654BW<br>IUM-654ET<br>IUM-654SB                                                  | TEMPORARY CONCRETE WASHOUT - BARRIER WALL<br>TEMPORARY CONCRETE WASHOUT - EARTHEN<br>TEMPORARY CONCRETE WASHOUT - STRAW BALE                                                                    |
| GENERAL                      | IUM-501                                                                              | BACK CUT CURB                                                                                                                                                                                   |

**NOTE:**  
1. STANDARDS PER THE NATURAL RESOURCES CONSERVATION SERVICE AS PUBLISHED IN THE ILLINOIS URBAN MANUAL, LATEST EDITION. FOUND AT: <https://illinoisurbanmanual.org>

**VILLAGE OF HUNTLEY ILLINOIS URBAN MANUAL EROSION CONTROL SYSTEMS**  
10987 MAIN STREET HUNTLEY, IL 60142 (847) 515-5200  
SCALE: DRAWN/CHECKED DRAWING NUMBER  
DATE: 12/2/2016 12/2/2016 **SESC-6**

| REVISIONS |          | DESCRIPTION                              |
|-----------|----------|------------------------------------------|
| NO.       | DATE     |                                          |
| 1         | 04/28/23 | HUNTLEY RESUBMITTAL                      |
| 2         | 08/11/23 | HUNTLEY RESUBMITTAL                      |
| 3         | 12/27/23 | HUNTLEY RESUBMITTAL                      |
| 4         | 10/23/24 | REVISED PER CLIENT REQUEST               |
| 5         | 11/08/24 | REVISED PER CLIENT REQUEST               |
| 6         | 10/08/25 | RESUBMITTAL PER VISTA GROVE COORDINATION |

ORIGINAL ISSUE DATE: 10-08-2025

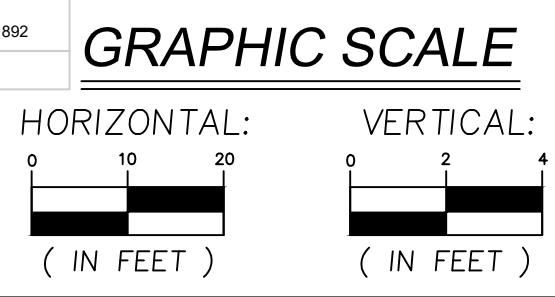
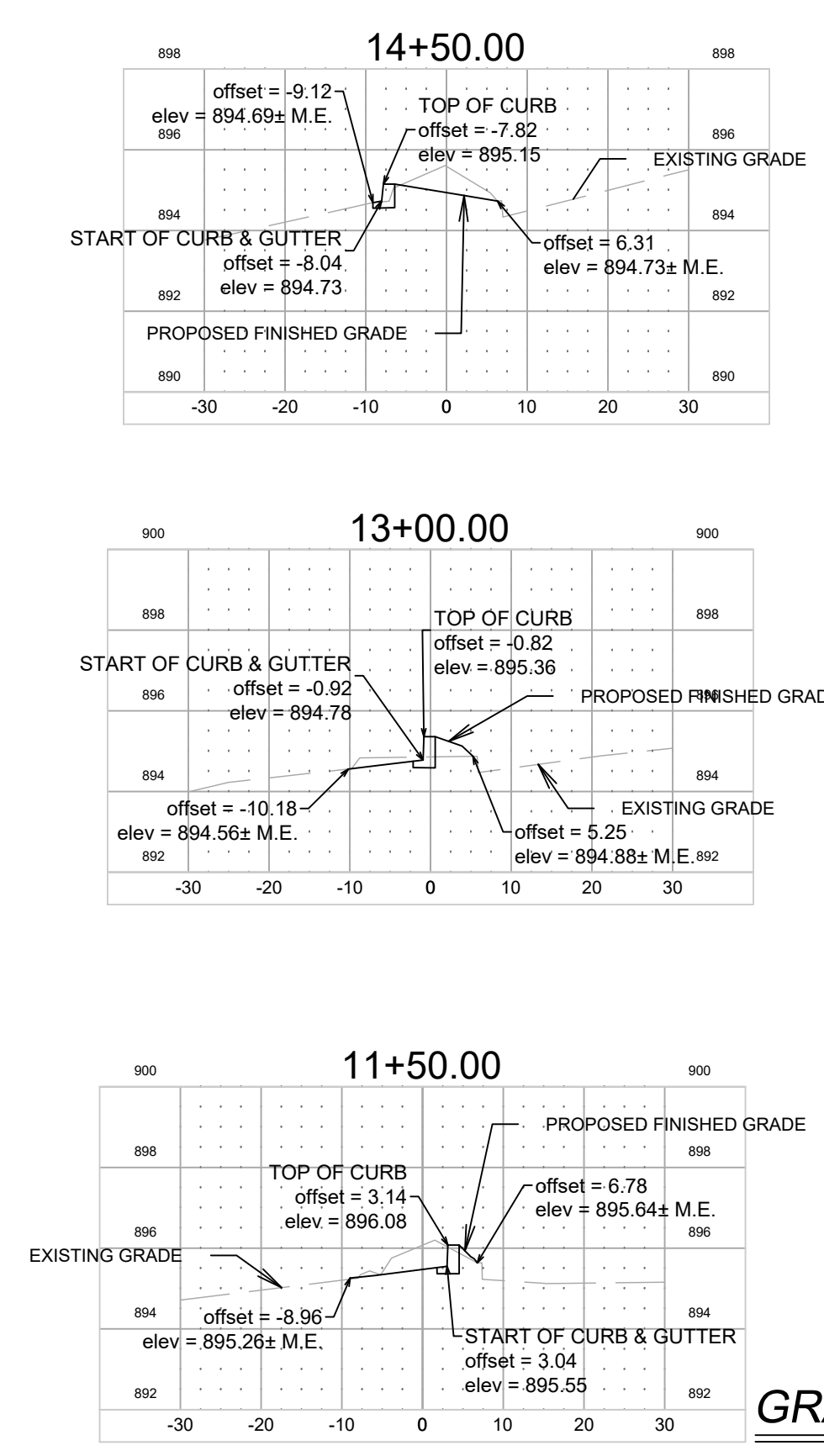
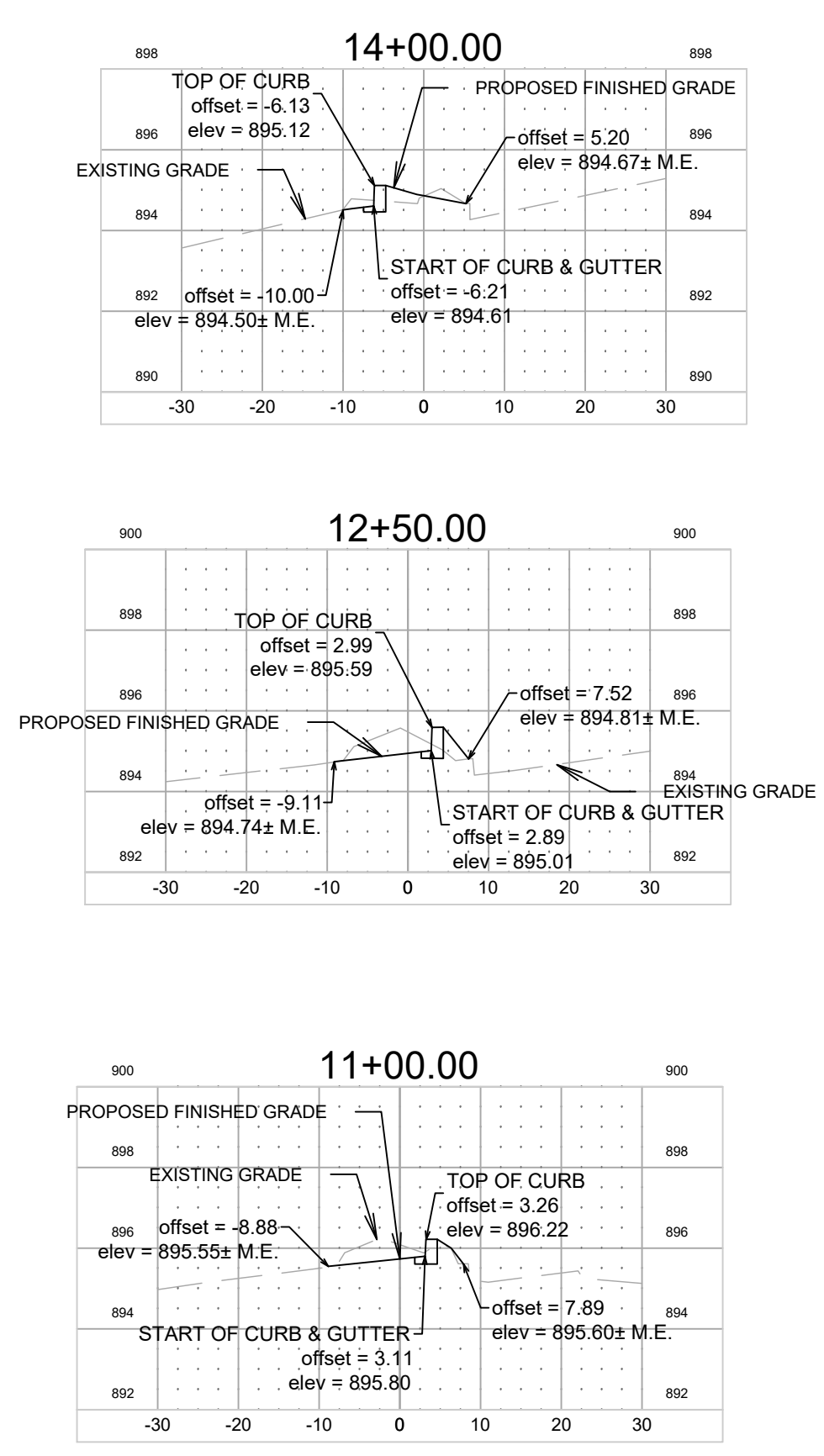
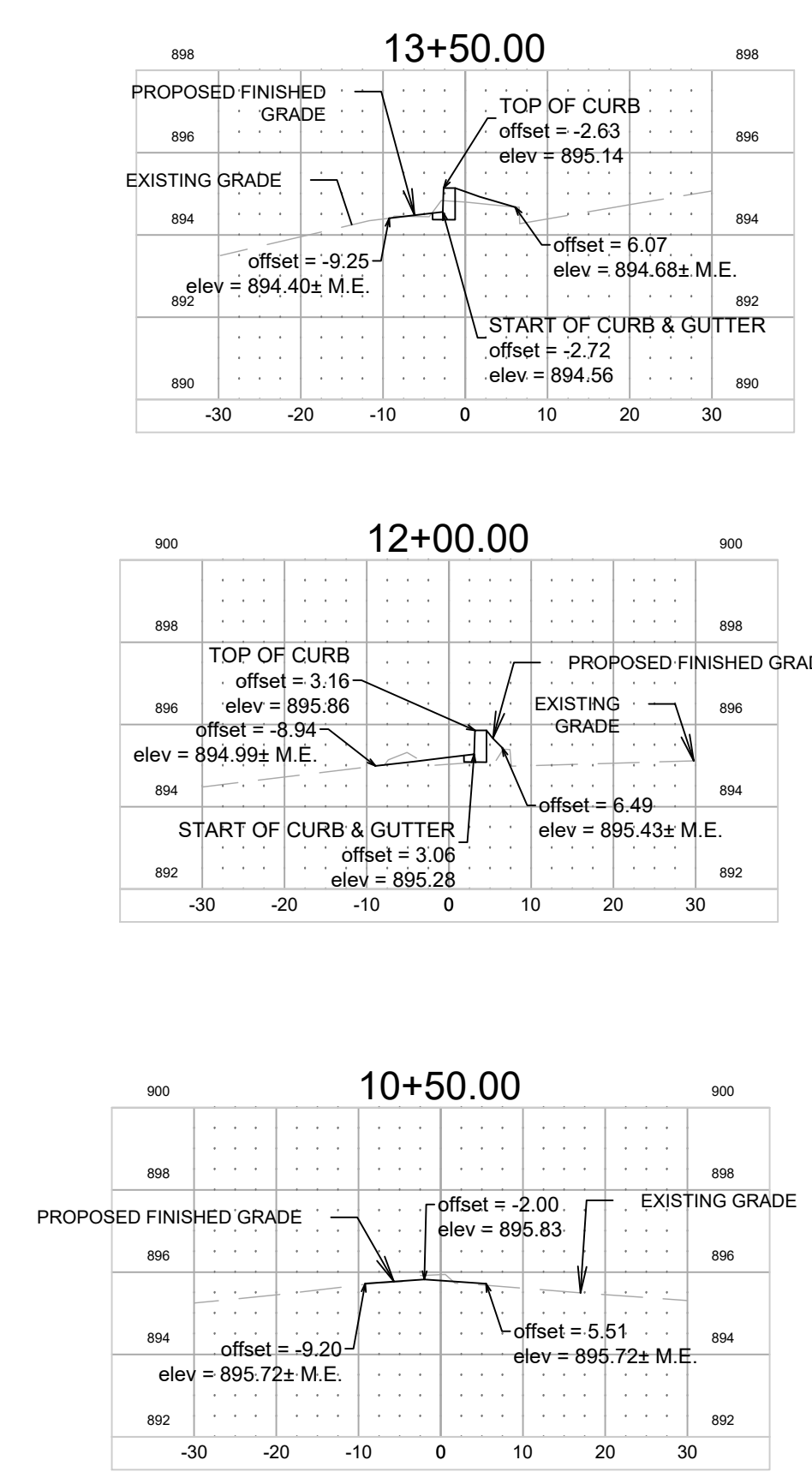
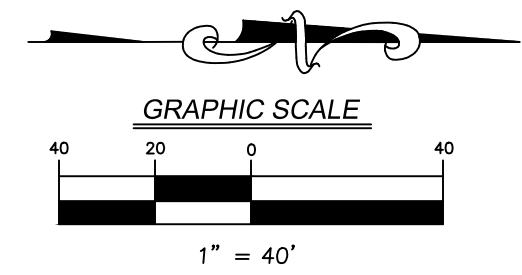
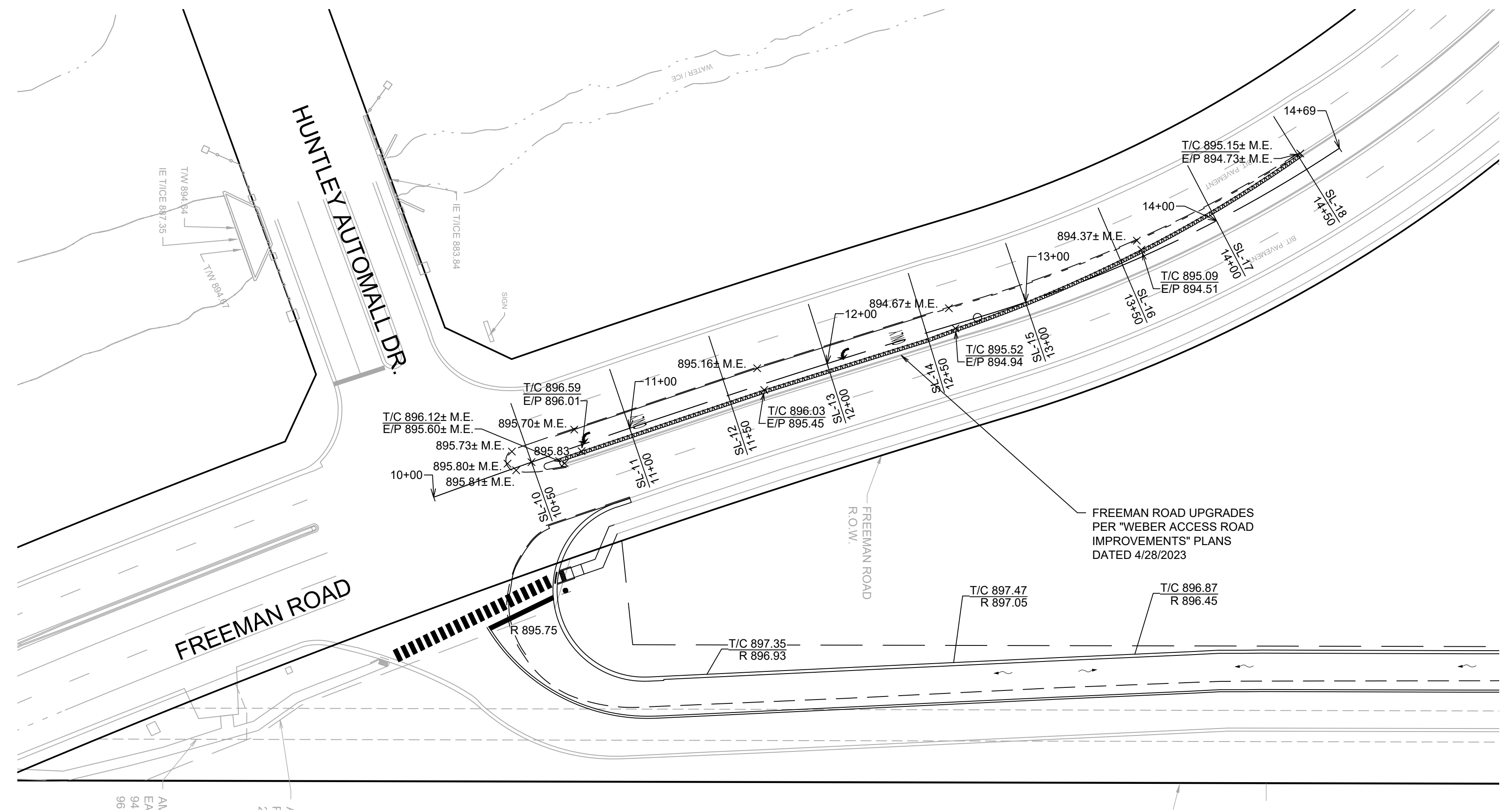
PROJECT NO.: 9252WEBER-2022  
PROJECT MANAGER: DLG  
DESIGNED BY: KC  
DRAWN BY: DB

**EROSION CONTROL DETAILS**  
**WEBER ACCESS ROAD**  
**IMPROVEMENTS**

ILLINOIS  
HUNTLEY

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DRAWING NO.  
**4.2**



| REVISIONS |          | NO.                                      | DATE | DESCRIPTION |
|-----------|----------|------------------------------------------|------|-------------|
| 1         | 04/28/23 | HUNTLEY RESUBMITTAL                      |      |             |
| 2         | 08/11/23 | HUNTLEY RESUBMITTAL                      |      |             |
| 3         | 12/27/23 | HUNTLEY RESUBMITTAL                      |      |             |
| 4         | 10/23/24 | REVISED PER CLIENT REQUEST               |      |             |
| 5         | 11/08/24 | REVISED PER CLIENT REQUEST               |      |             |
| 6         | 10/08/25 | RESUBMITTAL PER VISTA GROVE COORDINATION |      |             |

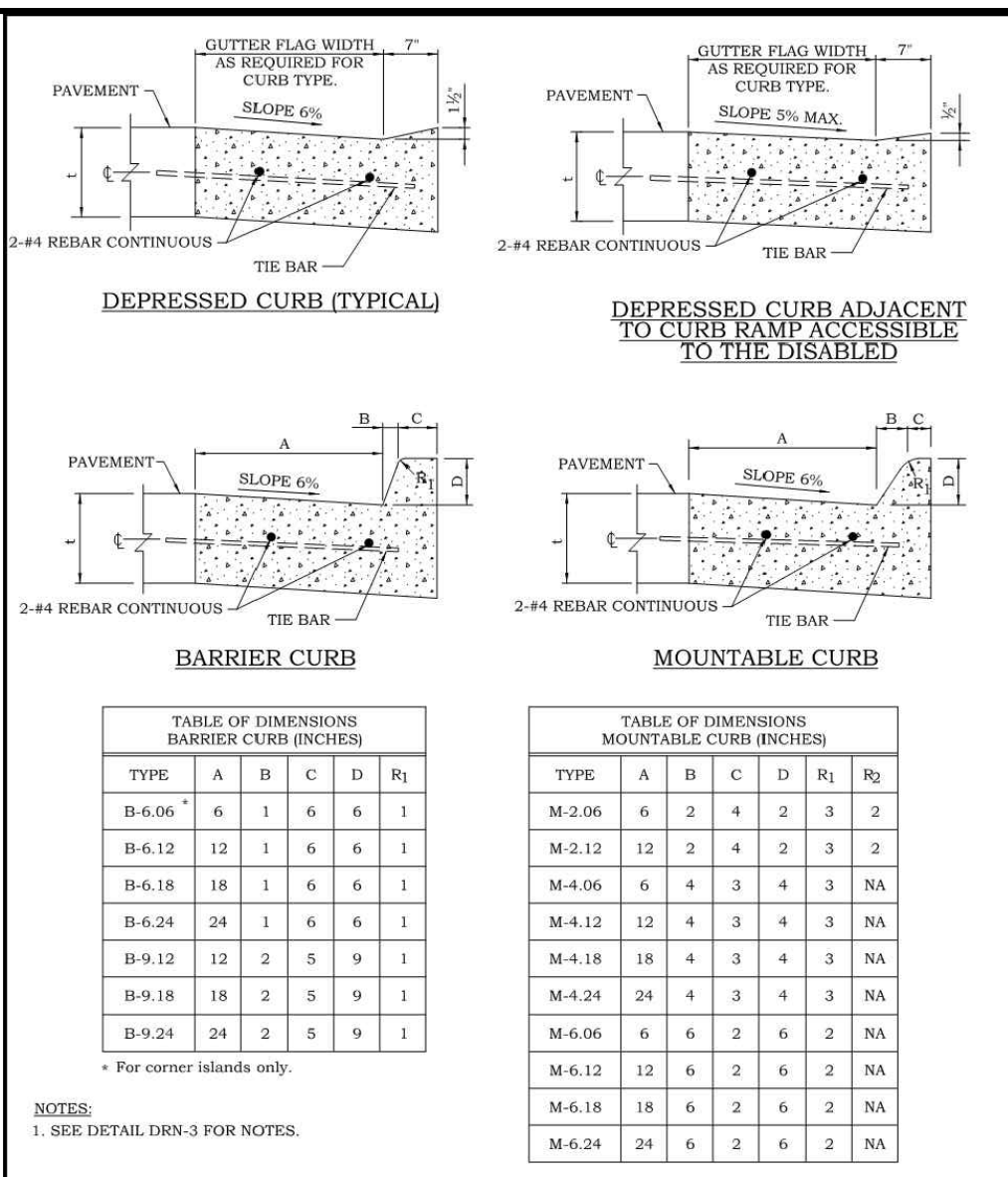
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| PROJECT NO.:     | 9252WEBER-2022 |
| PROJECT MANAGER: | DJG            |
| DESIGNED BY:     | KC             |
| DRAWN BY:        | DB             |

**FREEMAN ROAD CROSS SECTIONS**  
**WEBER ACCESS ROAD**  
**IMPROVEMENTS**

HUNTLEY ILLINOIS

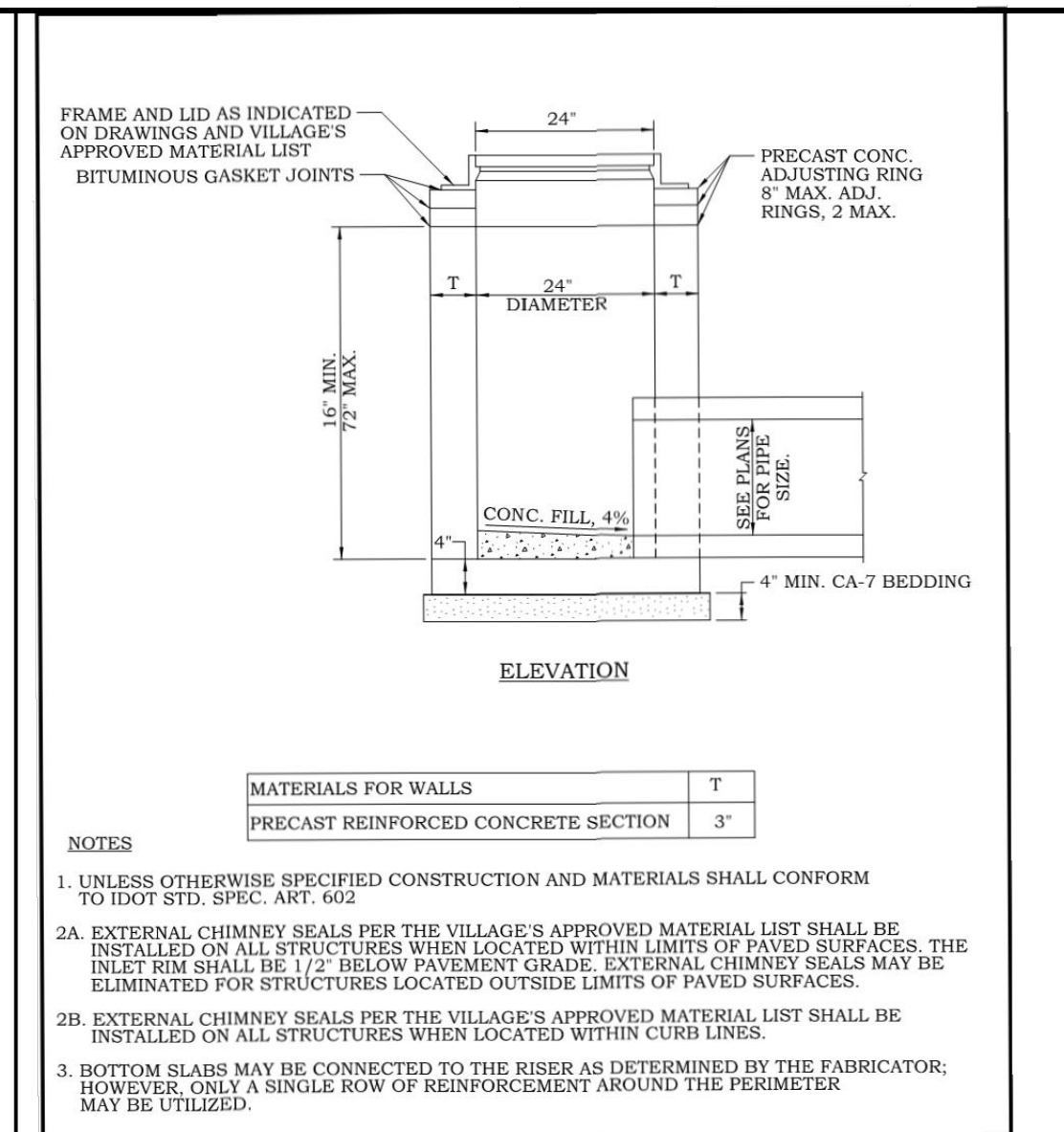
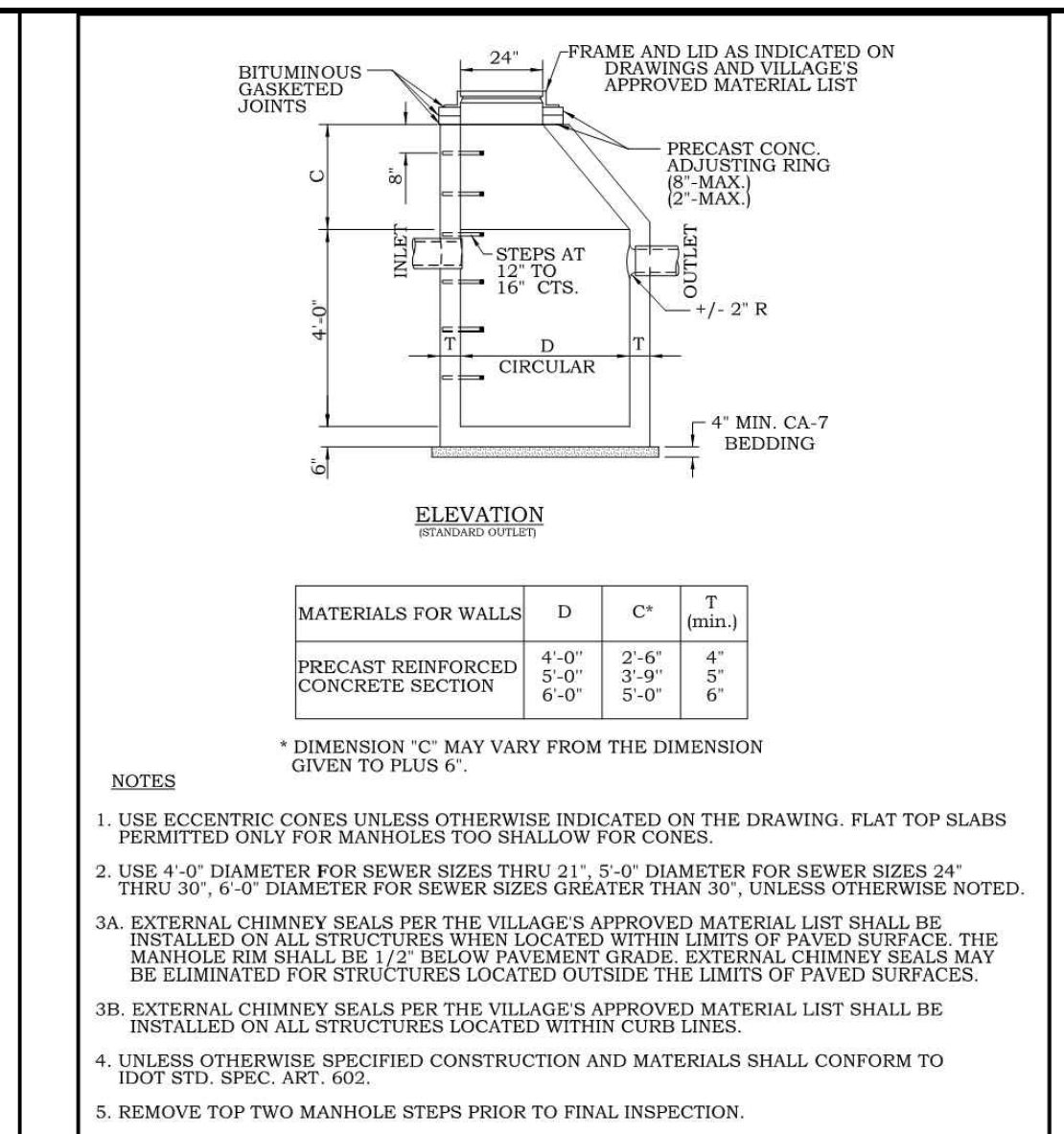
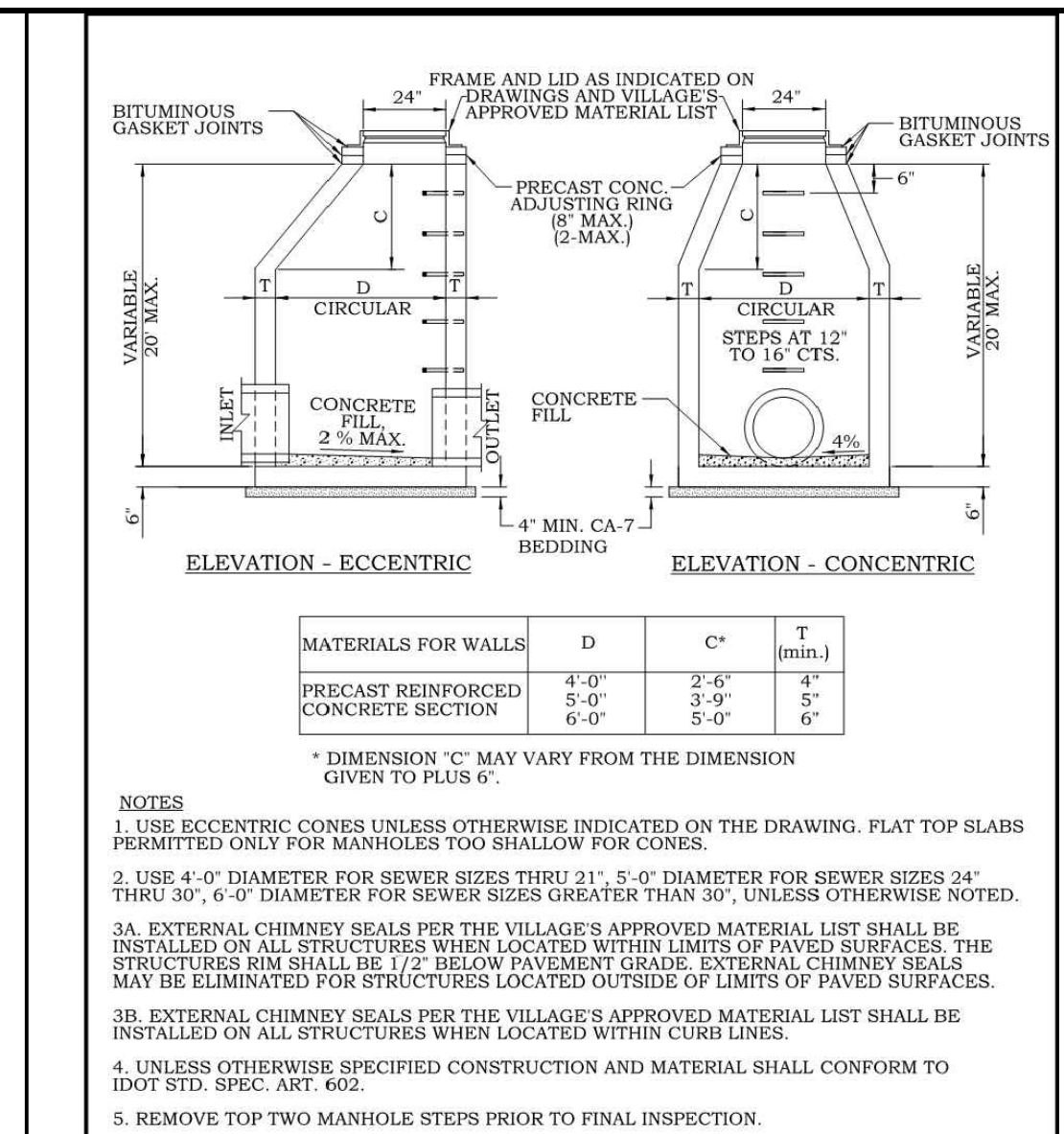
7325 Janes Avenue  
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DRAWING NO.  
**5.0**



**NOTES:**

- THICKNESS - T - THICKNESS OF PAVEMENT, MINIMUM 9". THICKNESS SHALL MATCH THE TOTAL HMA OR RCC PAVEMENT THICKNESS WHEN TOTAL PAVEMENT THICKNESS IS GREATER THAN 9".
- DRAINAGE OPENINGS - AT ALL LOCATIONS WHERE METAL CASTINGS ARE INCORPORATED IN THE CURB AND GUTTER, A 1" THICK PREFORMED JOINT FILLER, CONFORMING TO THE CROSS SECTIONS OF THE CURB AND GUTTER SHALL BE INSTALLED A DISTANCE OF 5 FT. FROM EACH SIDE OF THE METAL CASTING. WHEN THE WIDTH OF THE METAL CASTING IS LESS THAN THE WIDTH OF THE CURB AND GUTTER, 2 - NO. 4 EPOXY COATED REBARS (L = 12" + CASTING LENGTH + 12") SHALL BE INCORPORATED IN THE CONTINUOUS PORTION OF THE CONCRETE CURB AND GUTTER.
- JOINTS - IN ADDITION TO THE REQUIREMENTS OF ARTICLE 606 OF THE STANDARD SPECIFICATIONS, JOINTS SHALL BE CONSTRUCTED AS FOLLOWS:
  - CONTRACTION JOINTS AND EXPANSION JOINTS SHALL BE INSTALLED IN THE CURB AND GUTTER IN PROLONGATION WITH JOINTS OF ADJACENT P.C.C. PAVEMENT OR BASE COURSE.
  - WHEN CURB AND GUTTER IS CONSTRUCTED ADJACENT TO FLEXIBLE PAVEMENT, A 1" THICK PREFORMED JOINT FILLER, CONFORMING TO THE CROSS SECTIONS OF THE CURB AND GUTTER SHALL BE INSTALLED AT POINTS OF CURVATURE FOR SHORT RADII CURVES.
  - ALL EXPANSION JOINTS SHALL BE PROVIDED WITH TWO 1 1/4" DIA. X 18" COATED SMOOTH DOWEL BAR CONFORMING TO ARTICLE 1006.11B OF THE STANDARD SPECIFICATIONS. THE DOWEL BAR SHALL BE FITTED WITH A CAP HAVING A FINCHED STOP THAT WILL PROVIDE 1" OF EXPANSION.
  - CONSTRUCTION JOINT SPACING 12' MAX.
  - EXPANSION JOINT SPACING 84' MAX.
- REINFORCEMENT - ALL CURB AND GUTTER SHALL CONTAIN 2-#4 REBAR CONTINUOUS THROUGHOUT. RIGID PAVEMENT ONLY: #6 TIE BARS SHALL BE PLACED AT 24" CENTERS. THE BAR MINIMUM CLEARANCE FROM BACK OF CURB SHALL BE 2".
- AN IDOT APPROVED CURING COMPOUND MUST BE PLACED ON THE FINISHED CONCRETE PER IDOT STANDARD SPECIFICATIONS 1020.13 AND 1022.01. IDOT APPROVED PALLS OR DRUMS SHALL BE INSPECTED/WITNESSED BY THE VILLAGE OF HUNTLEY OR VILLAGE REPRESENTATIVE. NON IDOT APPROVED CURING/SEALING PRODUCTS WILL BE PROHIBITED.
- ALL CURB/GUTTER SHALL BE INSTALLED ON A MINIMUM 4" COMPACTED CA-6 SUBBASE THAT SHALL EXTEND A MINIMUM OF 6" FROM THE BACK OF CURB UNLESS OTHERWISE INDICATED.
- CURB SHALL BE STAMPED WITH A "W" INDICATING THE LOCATION OF WATER SERVICES AND STAMPED WITH A "S" INDICATING THE LOCATION OF SANITARY SEWER SERVICES.
- ALL WORK AND MATERIAL SHALL CONFORM TO IDOT STANDARD SPECIFICATION ART 606 UNLESS OTHERWISE SPECIFIED.



**VILLAGE OF HUNTLEY**  
1097 MAIN STREET  
HUNTLEY, IL 60142  
(847) 515-5200

**COMBINATION CONCRETE CURB AND GUTTER**

SCALE: NTS  
DATE: 1/17/2016  
REVISION: 5/17/2016

DRN-1

**VILLAGE OF HUNTLEY**  
1097 MAIN STREET  
HUNTLEY, IL 60142  
(847) 515-5200

**CONCRETE CURB AND GUTTER NOTES**

SCALE: NTS  
DATE: 1/17/2016  
REVISION: 10/27/2021

DRN-3

**VILLAGE OF HUNTLEY**  
1097 MAIN STREET  
HUNTLEY, IL 60142  
(847) 515-5200

**STORM MANHOLE TYPE A**

SCALE: NTS  
DATE: 1/17/2016  
REVISION: 5/17/2016

DRN-4

**VILLAGE OF HUNTLEY**  
1097 MAIN STREET  
HUNTLEY, IL 60142  
(847) 515-5200

**CATCH BASIN TYPE A**

SCALE: NTS  
DATE: 1/17/2016  
REVISION: 5/17/2016

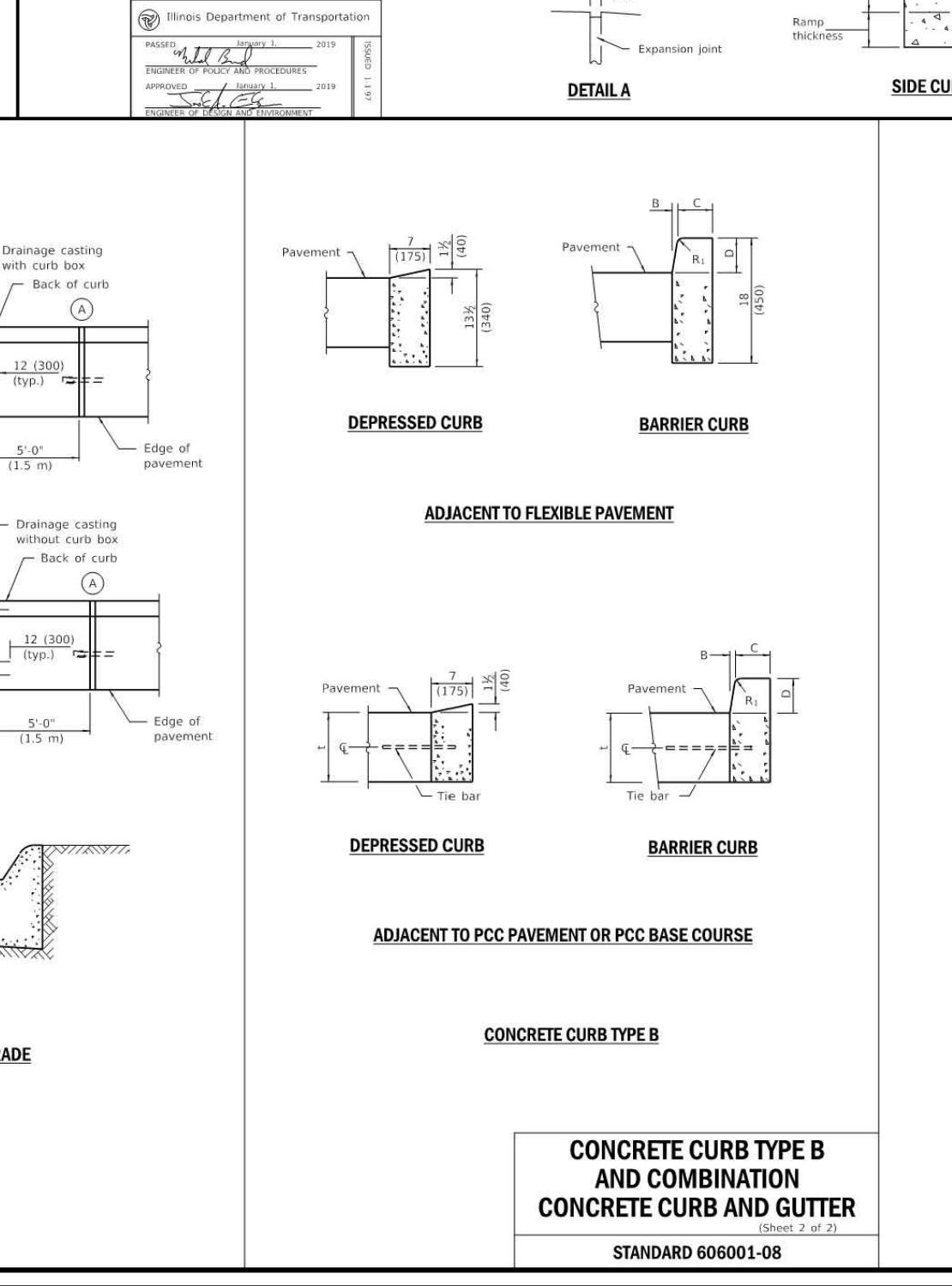
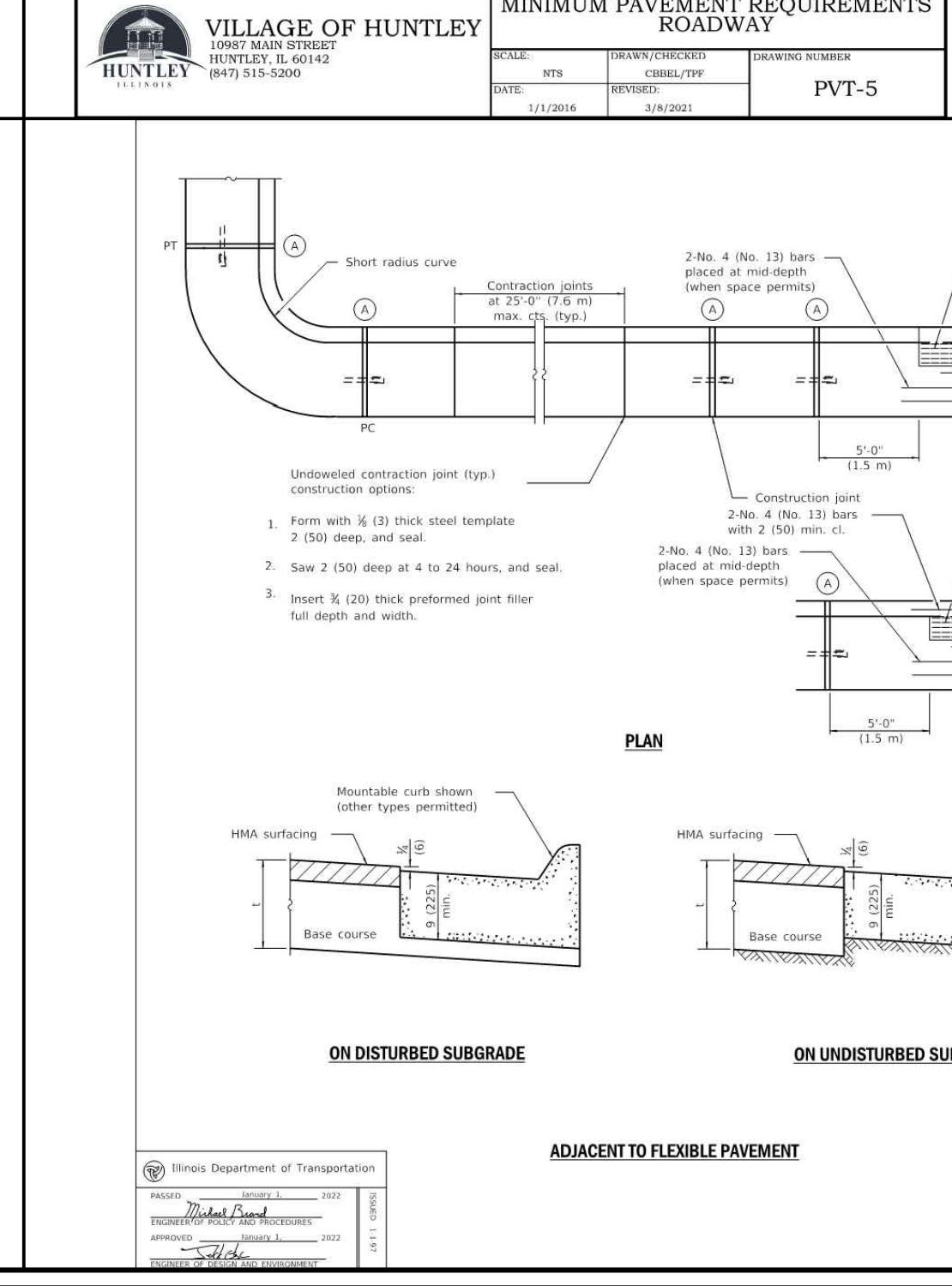
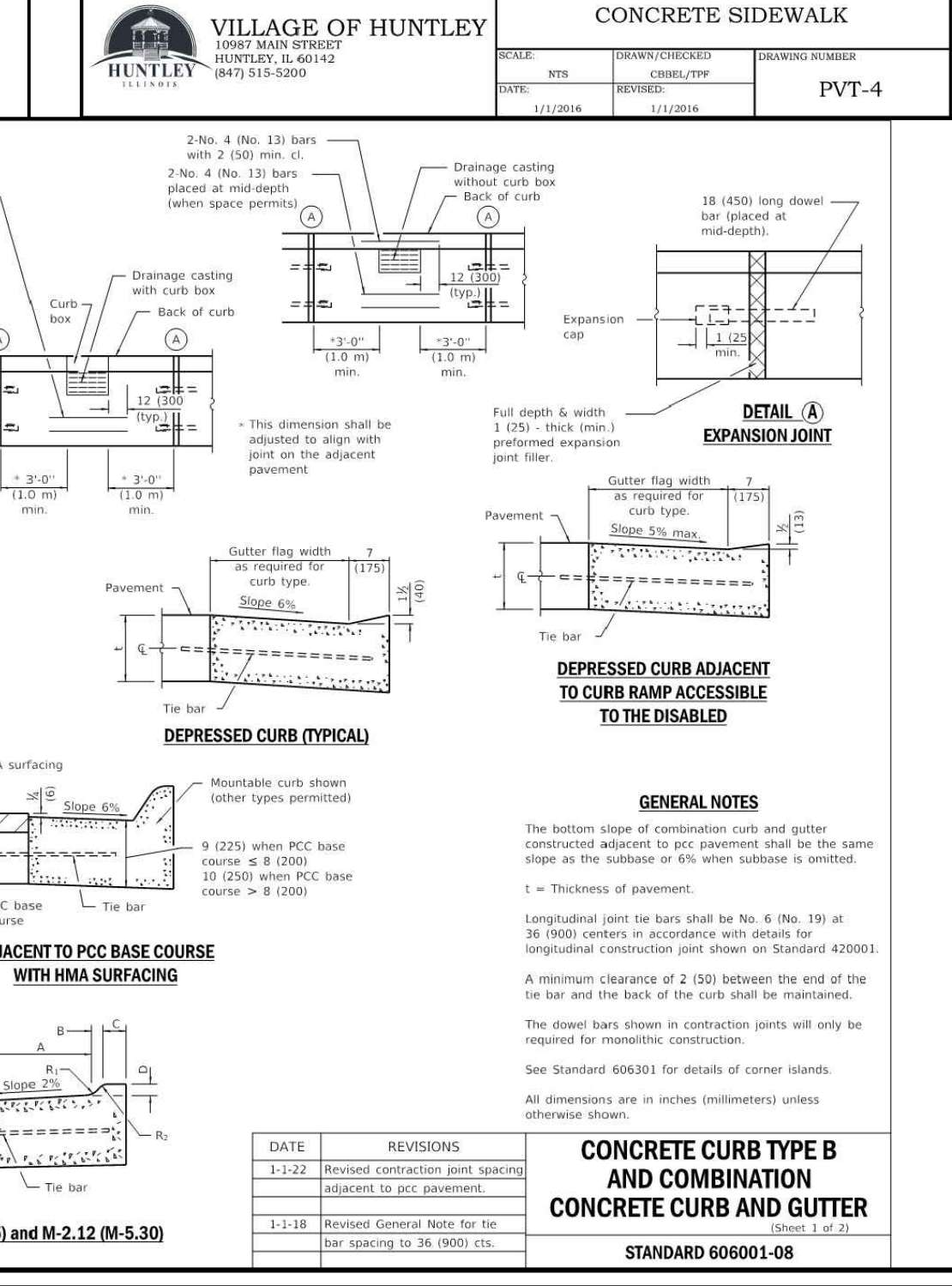
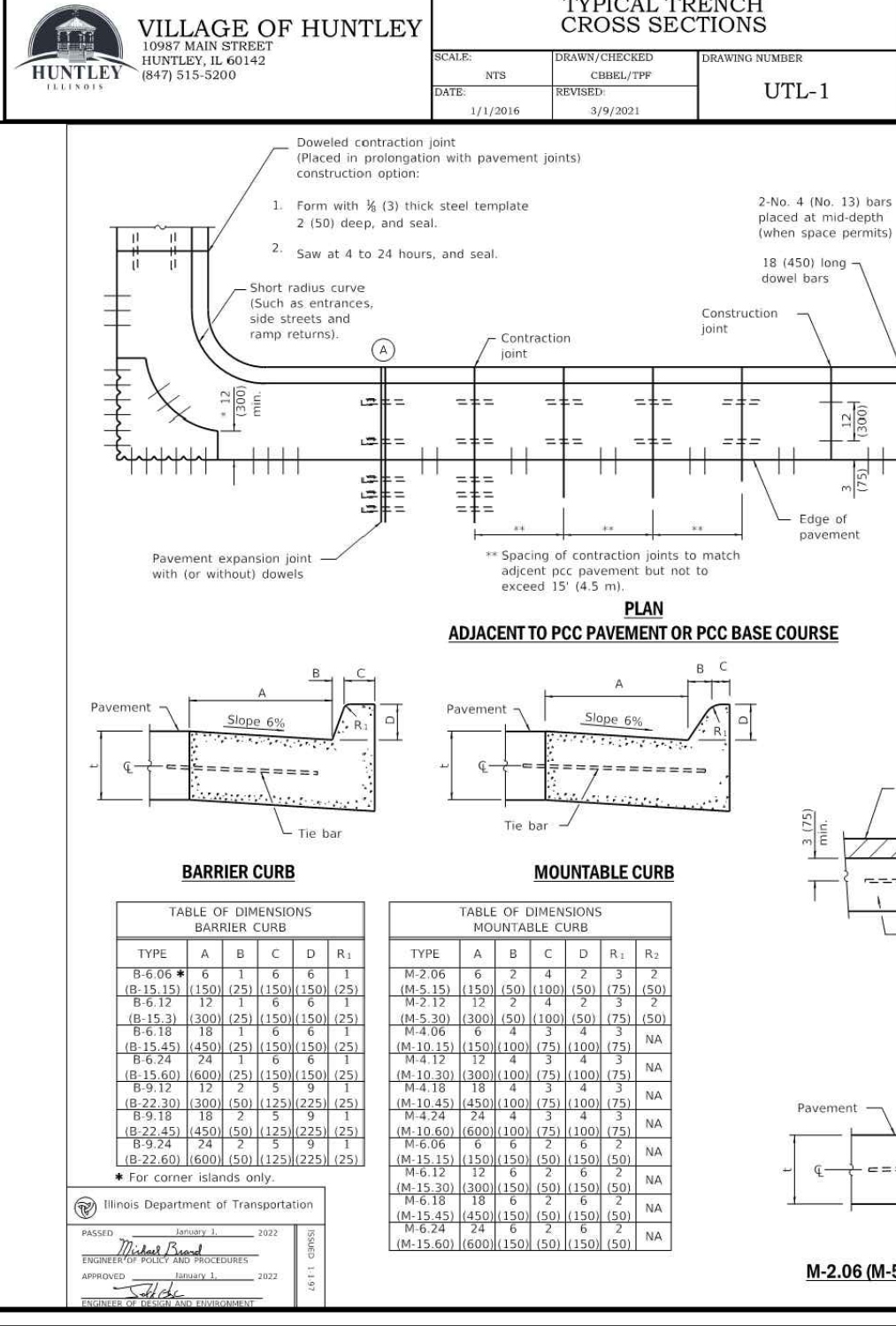
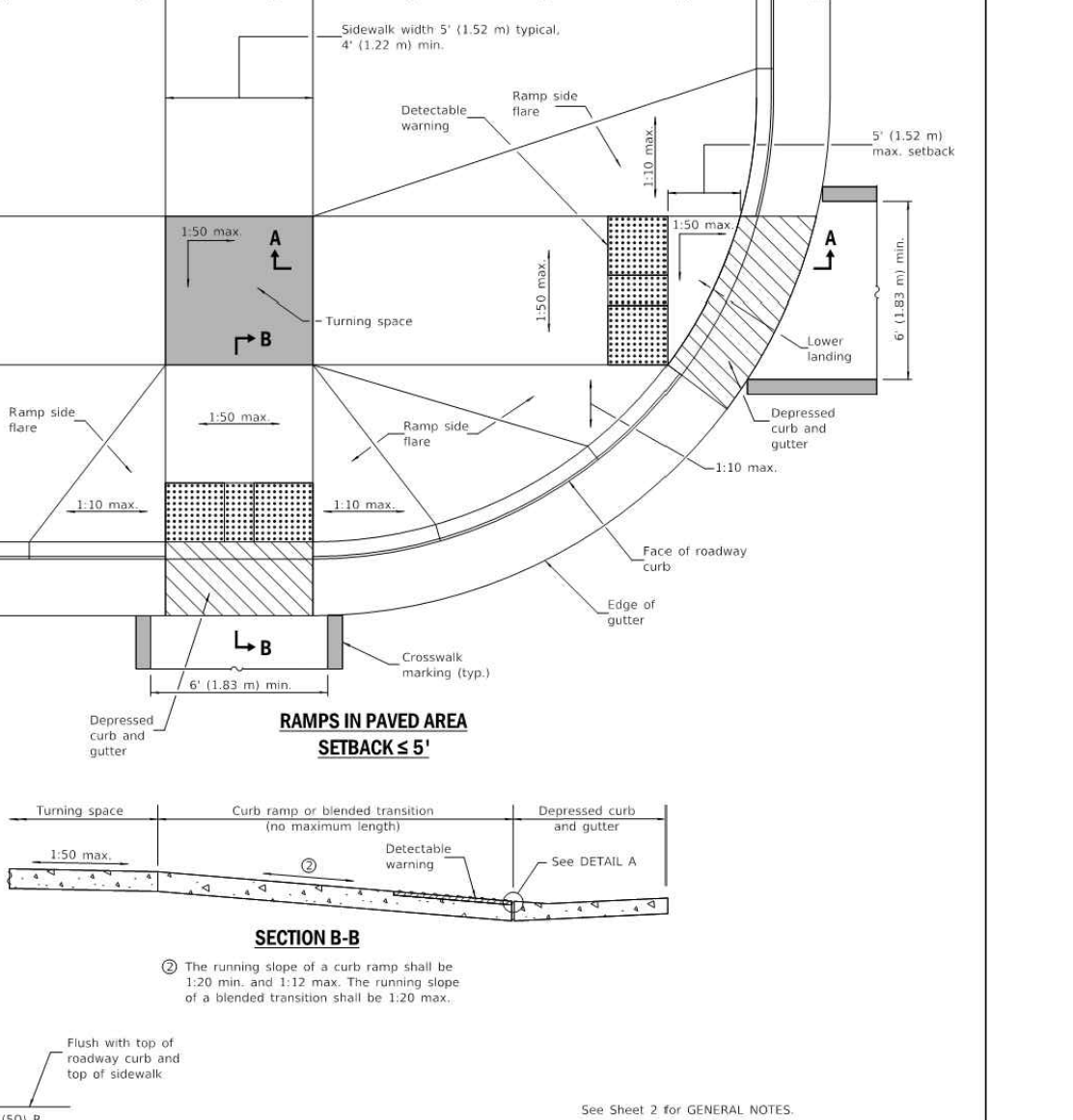
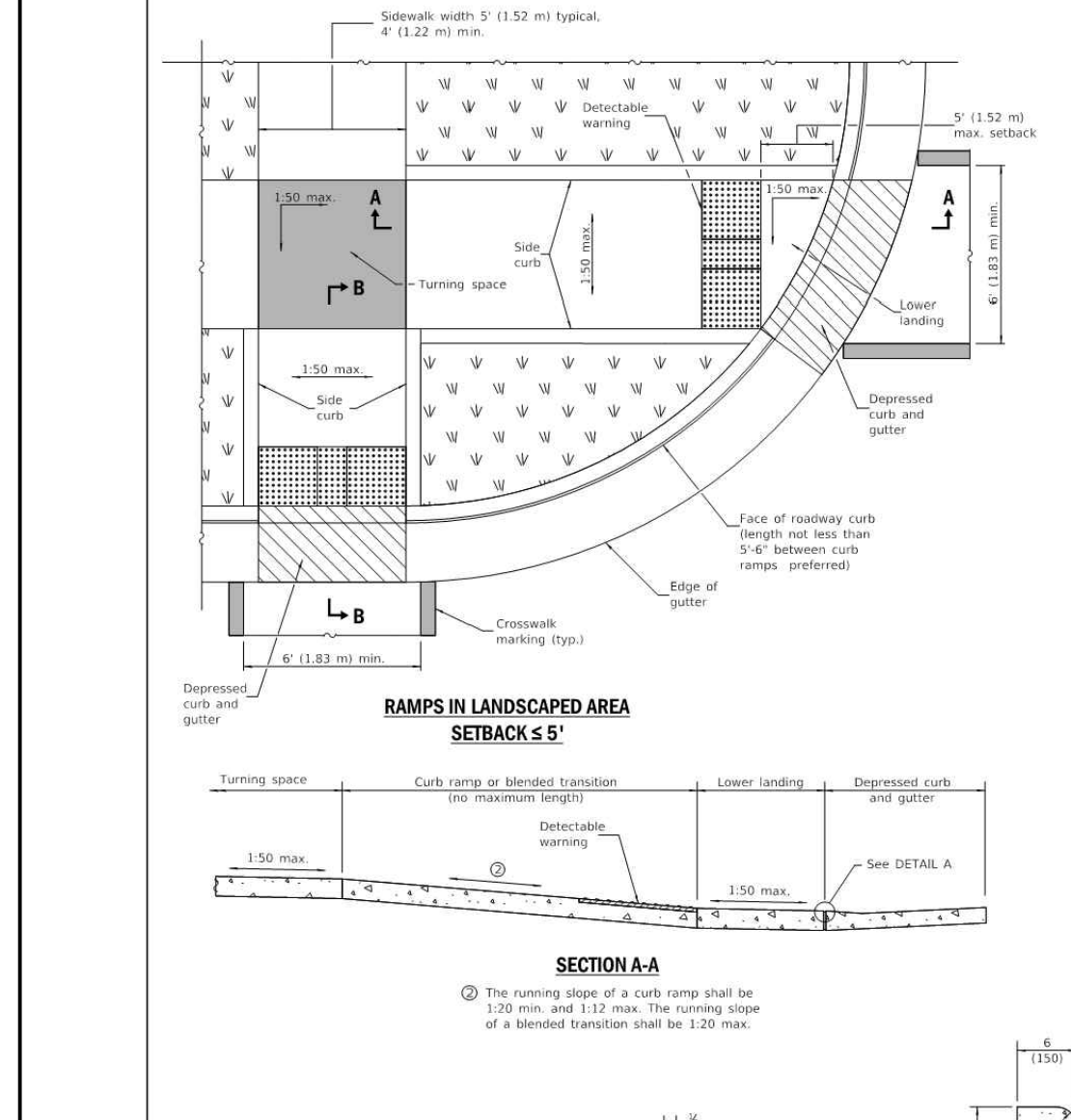
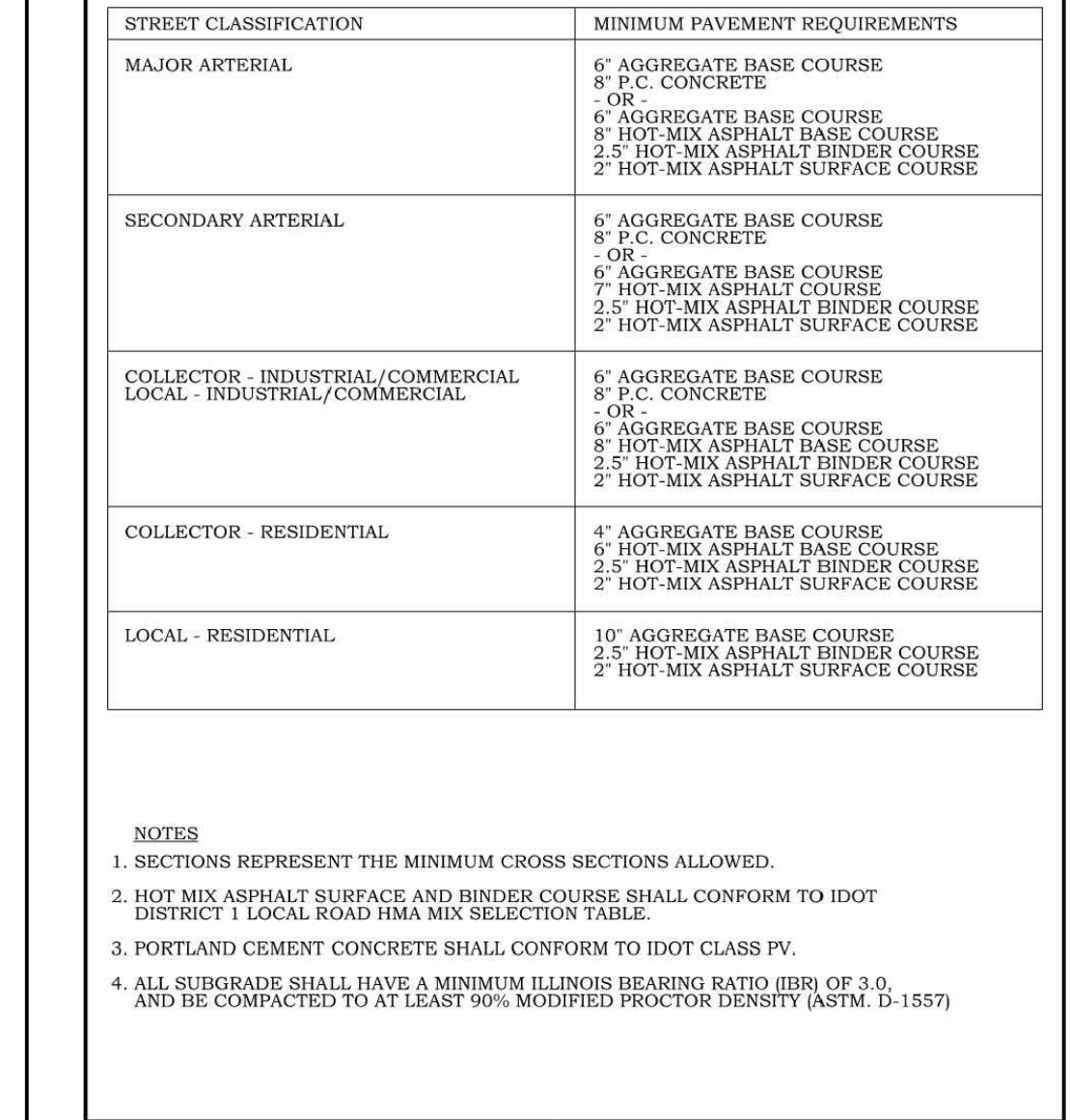
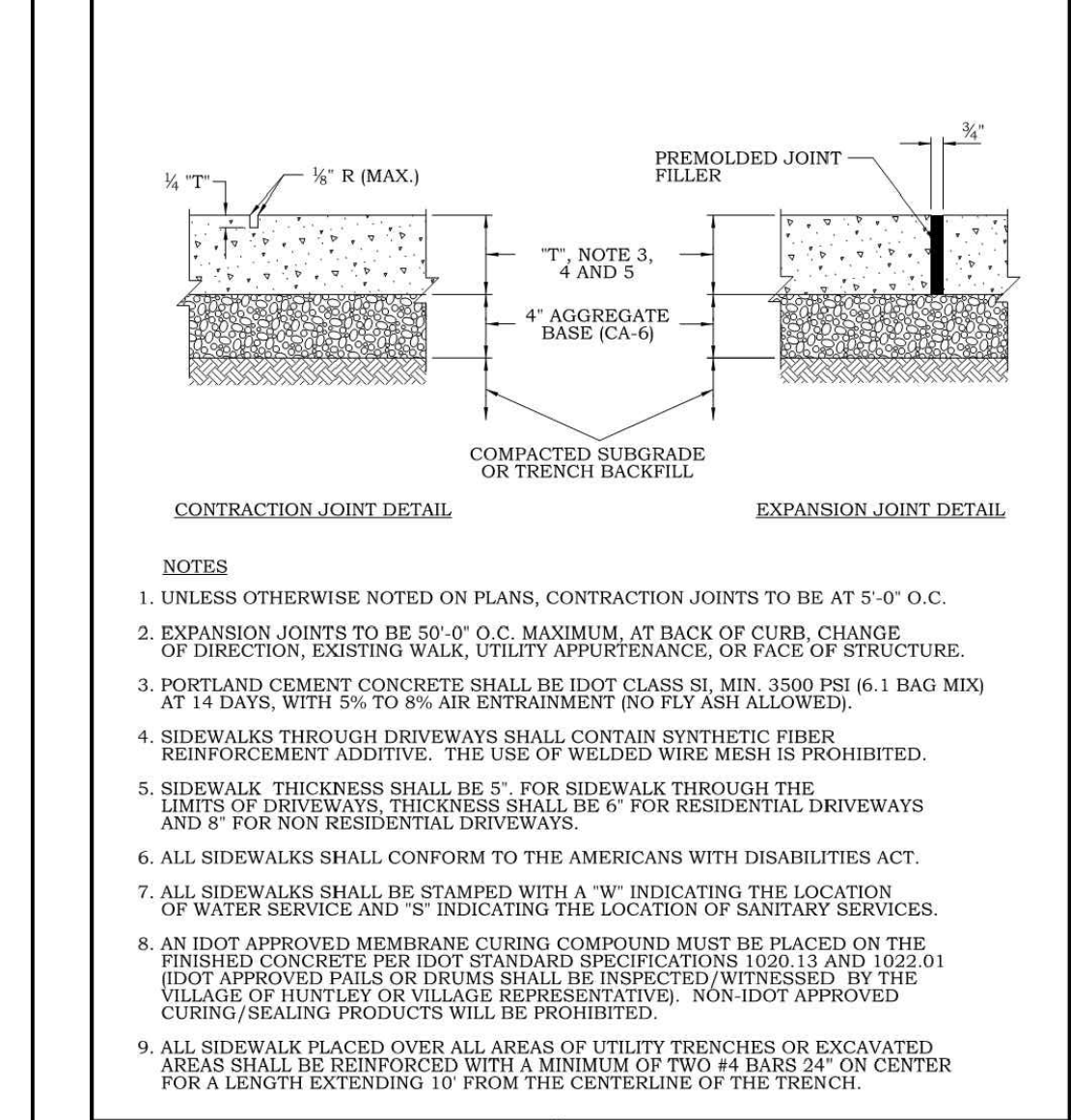
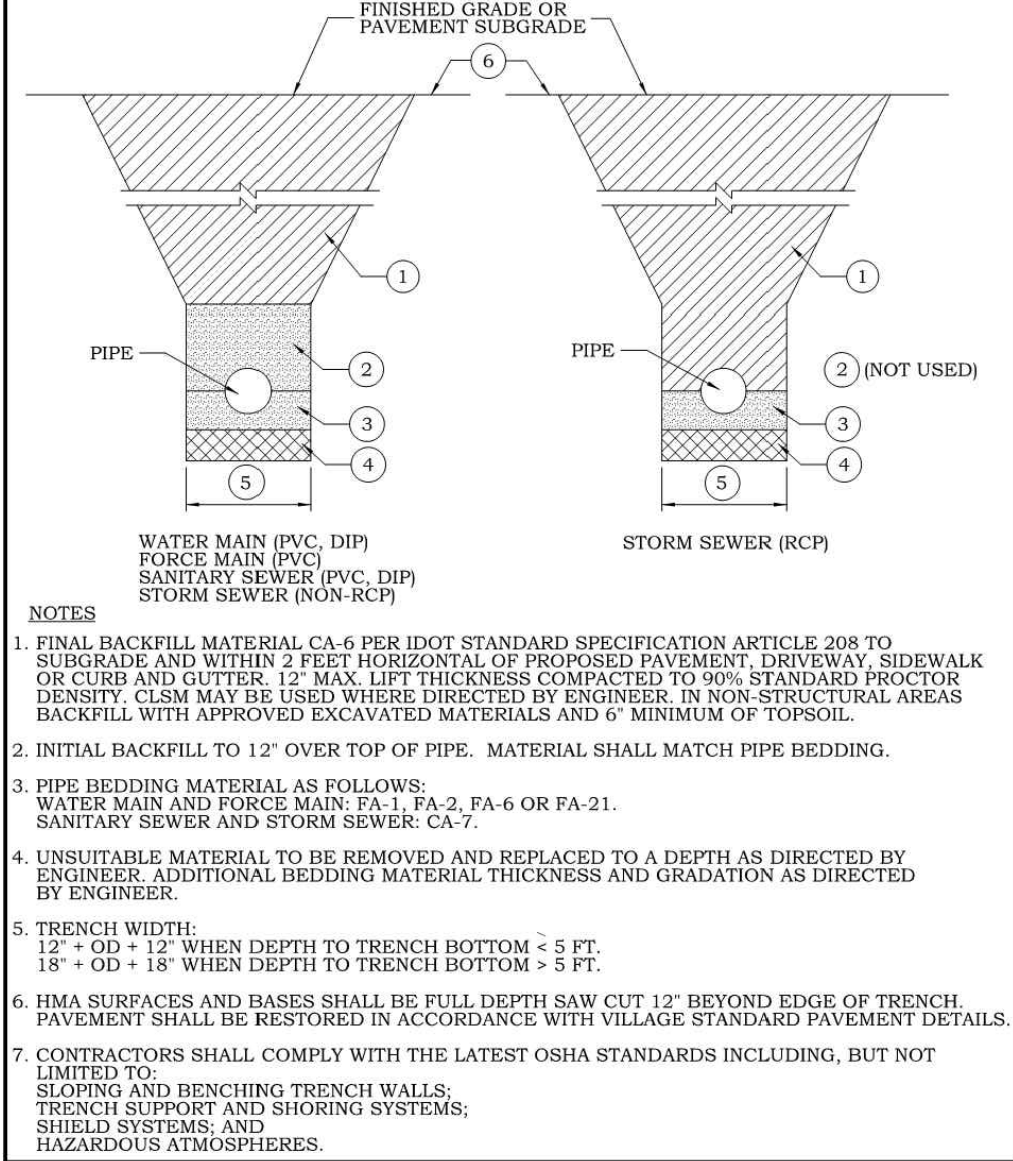
DRN-5

**VILLAGE OF HUNTLEY**  
1097 MAIN STREET  
HUNTLEY, IL 60142  
(847) 515-5200

**INLET TYPE A**

SCALE: NTS  
DATE: 1/17/2016  
REVISION: 5/17/2016

DRN-7



**CONSTRUCTION DETAILS**

**WEBER ACCESS ROAD IMPROVEMENTS**

**HUNTLEY ILLINOIS**

7325 Janes Avenue  
Woodridge, IL 60517  
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PROJECT NO.: 9252WEBER-2022

DESIGNED BY: KC

DRAWN BY: DB

DATE: 1-1-19

REVISIONS:

| NO. | DATE     | DESCRIPTION                          |
|-----|----------|--------------------------------------|
| 1   | 04/28/23 | HUNTLEY RESUBMITTAL                  |
| 2   | 08/11/23 | HUNTLEY RESUBMITTAL                  |
| 3   | 12/27/23 | HUNTLEY RESUBMITTAL                  |
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| 6   | 11/08/24 | REVISED PER VISTA GROVE COORDINATION |

ORIGINAL ISSUE DATE: 10-08-2025

REVISIONS

NO. DATE DESCRIPTION

DATE: 1-1-19

REVISIONS:

1-1-19 Removed "15 foot curb" added "Revised dimensions and dimensions/locations for detectable warnings"

1-1-18 Dimmed diagonal slope at "Service vehicles and lower" warning.

STANDARD 424001-11

Sheet 2 of 2

DRAWING NO. 6.0

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