

**GENERAL NOTES:**

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING JULIE FOR UTILITY LOCATES A MINIMUM OF 48 HOURS IN ADVANCE OF BEGINNING EXCAVATION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON THE JOB SITE. CONTRACTOR TO TAKE ALL OSHA REGULATED AND APPLICABLE LOCAL SAFETY PRECAUTIONS TO SAFE GUARD ALL POTENTIALLY HAZARD SITES/WORK.

ANY OPEN EXCAVATIONS, OR POTENTIALLY DANGEROUS AREAS SHALL BE FENCED OR GUARDED IN AN ACCEPTABLE MANNER AT THE END OF EACH DAY FOR THE PROTECTION OF THE CONTRACTOR'S EMPLOYEES AND GENERAL PUBLIC SAFETY.

THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL NECESSARY PERMITS AS REQUIRED, PRIOR TO COMMENCING CONSTRUCTION.

THE ILLINOIS DEPARTMENT OF TRANSPORTATION " STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, AND ALL ADDENDA THERETO, AND CITY OF NAPERVILLE REQUIREMENTS SHALL GOVERN THE EARTHWORK AND PAVING WORK UNDER THIS CONTRACT. THE " STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, SHALL GOVERN THE UNDERGROUND WORK UNDER THIS CONTRACT, EXCEPT AS MODIFIED BY THESE SPECIFICATIONS, OR WHERE IN CONFLICT WITH CITY OF NAPERVILLE STANDARDS.

7. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS AND VILLAGE OF BARTLETT REGULATIONS AND STANDARDS, AND SHALL CONFIRM IN ALL RESPECTS TO ALL STATE AND FEDERAL LAWS AND REGULATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON JOB SITE.

8. THE CONTRACTORS SHALL NOTIFY ALL UTILITY COMPANIES FOR FILED LOCATIONS OF THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. ANY UTILITY LOCATIONS SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORDS AND ARE FOR GENERAL DIRECTION ONLY.

9. CONSTRUCTION OPERATION SHALL BE CONDUCTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL, DEBRIS, ASPHALT AND CONCRETE ONTO PUBLIC THOROUGHFARES. AT THE END OF EACH DAY, THE CONTRACTOR SHALL REMOVE MATERIALS DEPOSITED ONTO PUBLIC STREETS AND ALLEYS.

10. PUBLIC STREETS AND ALLEYS SHALL BE RESTORED PROMPTLY MEETING CITY OF NAPERVILLE STANDARDS AND SPECIFICATIONS.

11. THE CONTRACTOR SHALL VERIFY THE EXACT ELEVATION AND LOCATION OF ALL EXISTING UTILITIES AND APPURTENANCES PRIOR TO CONSTRUCTION, TO AVOID INTERFERENCES. APPROPRIATE PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGE TO AND TO PROTECT EXISTING UTILITIES AND APPURTENANCES IN THE VICINITY OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR OVERHEAD UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE VILLAGE AND THE OWNER, OR REPLACED.

12. ALL EXCAVATION SHALL BE TAPERED, OR, SHORED AND MAINTAINED PUMPED DRY.

13. DO NOT CREATE DUST OR OTHER NUISANCE TO NEIGHBORING PROPERTIES DURING CONSTRUCTION.

14. "NO TRESPASSING" SIGNS SHALL BE MOUNTED ON THE FENCING IN CONSPICUOUS LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND APPROVED.

15. ANY GATE IN THE PERIMETER FENCE SHALL BE ADEQUATELY HINGED TO PREVENT ENTRY, EXCEPT TO ALLOW INGRESS AND EGRESS TO AND FROM SITE. SUCH GATE MUST BE LOOKED AT ALL TIMES, OTHER THAN PERMITTED HOURS OF CONSTRUCTION.

16. ALL BUILDING LAYOUTS SHOULD BE DONE BY A REGISTERED LAND SURVEYOR AFTER CONFIRMING THE PROPERTY CORNERS IN THE FIELD. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO INITIATING CONSTRUCTION.

**PROJECT NARRATIVE**

**GENERAL:** NEW DAY CARE FACILITY ON PAD READY SITE IN EXISTING DEVELOPMENT.

**AREA SUMMARY:** TOTAL AREA OF SITE: 1.19 ACRES DISTURBED AREA OF SITE: 1.19 ACRES

**SPECIAL PROTECTION AREAS:** DuPAGE RIVER FLOODPLAIN OVER 200' OF SITE. NO WETLANDS WITHIN 100' OF THE SITE.

**UPSTREAM TRIBUTARY:** THERE IS NO UPSTREAM TRIBUTARY AREA FOR THE SITE.

**STORM SEWERS:** PROPOSED PROJECT WILL UTILIZE EXISTING STORM SEWERS WITH NEW ROOF DRAINS.

**DETENTION/VOLUME CONTROL FACILITY:** STORMWATER MANAGEMENT BY EXISTING DETENTION BASIN PER DUPAGE COUNTY REQUIREMENTS. NO STORMWATER MANAGEMENT REQUIRED - EXISTING BASINS PROVIDE BOTH STORMWATER DETENTION AND BMPs.

**SANITARY SEWERS:** PROPOSED PROJECT WILL CONNECT TO EXISTING SANITARY SERVICE STUB. SEWER TREATMENT AND TRANSMISSION PROVIDED BY CITY OF NAPERVILLE.

**WATERMAIN:** PROPOSED PROJECT WILL CONNECT TO EXISTING WATER SERVICE STUB. WATER PROVIDED PROVIDED BY CITY OF NAPERVILLE.

**SOILS/INFILTRATION RATE:** UNDERLYING SOILS HEAVILY MODIFIED AS SITE WAS MASS GRADED AS A PART OF OVERALL SITE DEVELOPMENT

**GROUNDWATER ELEVATION:** UNKNOWN.

**City of Naperville Survey Monument**

City of Naperville  
Transportation, Engineering  
and Development  
(TED) Business Group  
400 S. Eagle Street  
Naperville, IL 60540  
Phone: 630-305-7001

Station No.: 8	Date Established: 12/08/1994
Order of Accuracy: Horizontal 1st Vertical 2nd Class I	Date Last Checked: 11/11/2005
Station Elevation: 711.40 (ft)	Naperville Field Checked: 10/08/2008
Notes: Any and all parties utilizing the vertical elevation listed above should always check at least one other monument.	
Horizontal Datum: NAD83 (2007) Illinois State Plane Transverse Mercator, East Zone	
Vertical Datum: NAVD 1988 Adjustment	
North: 1,869,327.50 (ft) East: 1,023,602.13 (ft)	
Latitude: 41° 47' 55.88996" (N) Longitude: 088° 11' 20.43724" (W)	
Description: Bernstein 3D Top Security Monument. Consisting of a 9/16" Dia. Stainless Steel Datum Point On Threaded 9/16" x 4' Long Rod Totaling (8') in Length With Greased Top Security Sleeve Enclosed In Sand and 6" PVC Pipe With BMAC 6 Aluminum Access Cover.	

**LEGAL DESCRIPTION:**

THAT PART OF LOT 1 IN RIVERWOODS OFFICE CAMPUS, BEING A SUBDIVISION OF PART OF SECTIONS 11 AND 14, TOWNSHIP 38 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED OCTOBER 22, 2008, AS DOCUMENT R2008-156727, DESCRIBED AS FOLLOWS:

COMMENCING AT A 3/4 INSIDE DIAMETER IRON PIPE SET IN A CONCRETE MONUMENT AT THE MOST EASTERLY CORNER OF SAID LOT 1; THENCE SOUTHWESTERLY ALONG A SOUTHEAST LINE OF SAID LOT 1 WITH A RECORD BEARING OF SOUTH 25 DEGREES 01 MINUTE 35 SECONDS WEST AND A MEASURED BEARING OF SOUTH 24 DEGREES 01 MINUTE 41 SECONDS WEST FOR A DISTANCE OF 287.10 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING SOUTH 24 DEGREES 01 MINUTE 41 SECONDS WEST 154.28 FEET TO THE SOUTHEAST CORNER OF SAID LOT 1; THENCE SOUTHWESTERLY ALONG THE SOUTHERLY LINE OF SAID LOT 1 WITH A RECORD BEARING OF SOUTH 68 DEGREES 30 MINUTES 00 SECONDS WEST AND A MEASURED BEARING OF SOUTH 68 DEGREES 31 MINUTES 25 SECONDS WEST FOR A DISTANCE OF 89.68 FEET; THENCE NORTH 28 DEGREES 39 MINUTES 05 SECONDS WEST FOR A DISTANCE OF 297.53 FEET; THENCE NORTH 61 DEGREES 14 MINUTES 21 SECONDS EAST FOR A DISTANCE OF 172.44 FEET; THENCE SOUTH 28 DEGREES 46 MINUTES 31 SECONDS EAST FOR A DISTANCE OF 164.54 FEET; THENCE SOUTH 65 DEGREES 58 MINUTES 25 SECONDS EAST FOR A DISTANCE OF 64.12 FEET TO THE POINT OF BEGINNING. SAID PARCEL CONTAINING 51,737± SQUARE FEET, 1187 ACRES MORE OR LESS, IN DUPAGE COUNTY, ILLINOIS.

KNOWN AS: 628 N RIVER ROAD, NAPERVILLE, ILLINOIS

PERMANENT INDEX NUMBER: 07 - 14 - 101 - 017 - 0000

AREA (PARCEL F)= 51,738 SQ.FT OR 1.19

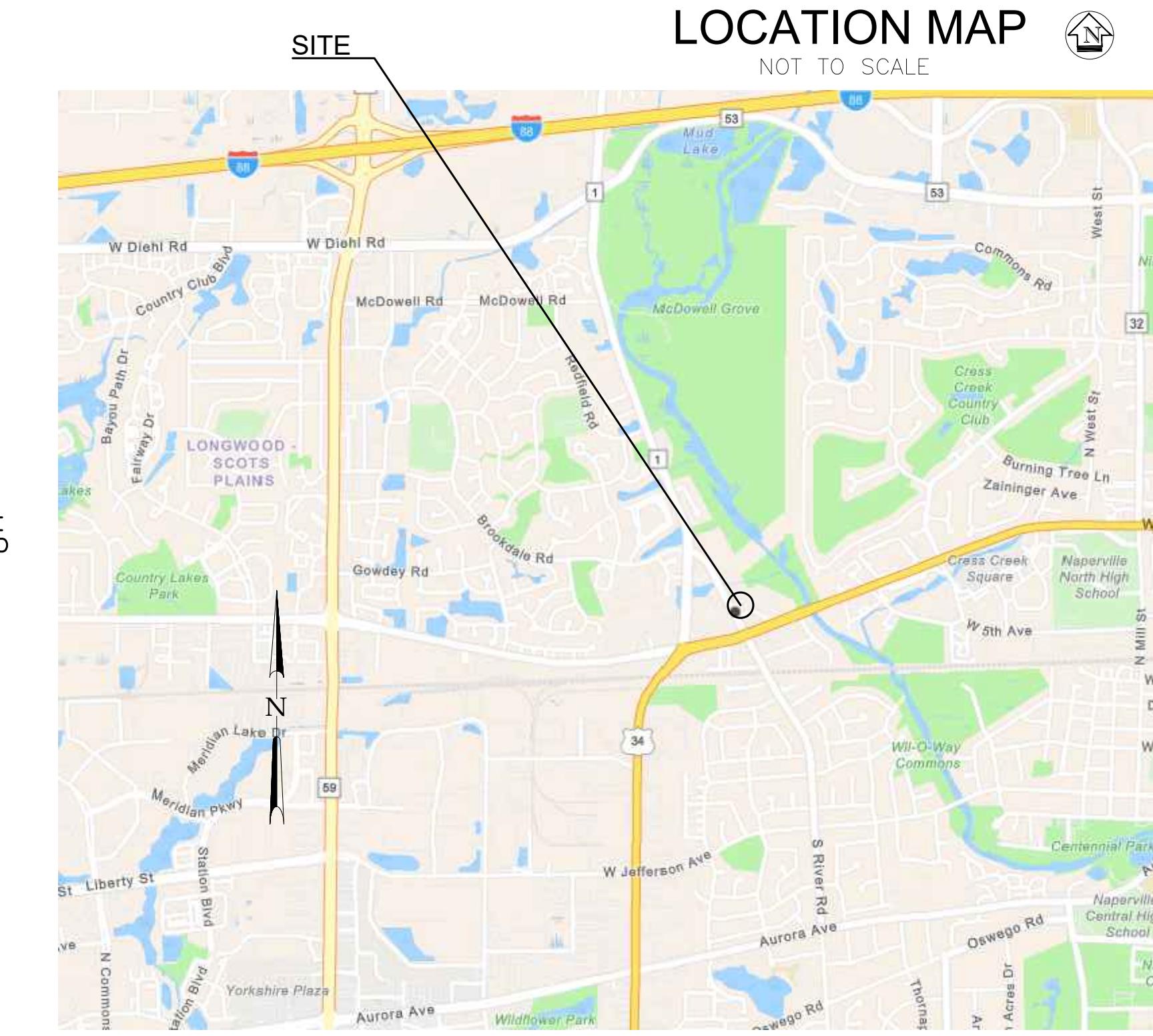
**NOTES:**

LOCATION OF UTILITIES SHOWN HEREON IS CERTIFIED AT SURFACE STRUCTURES ONLY. UNDERGROUND LINES AS SHOWN ARE ESTIMATED LOCATIONS BASED ON AVAILABLE VISIBLE EVIDENCE, ENGINEERING PLANS AND OUR BEST JUDGEMENT. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES IN THE VICINITY OF ANY PROPOSED CONSTRUCTION SHALL BE VERIFIED BY EXCAVATION.

THE BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM.

A J.U.L.I.E. LOCATE FOR THE UNDERGROUND UTILITIES WAS NOT PROVIDED AT THE TIME OF THE SURVEY. UNDERGROUND UTILITIES SHOWN ARE BASED ON OBSERVED EVIDENCE IN THE FIELD AND OUR BEST JUDGEMENT. LACKING EXCAVATION, THE TYPE AND LOCATION OF SAID UTILITIES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED.

FOR BUILDING LINES, EASEMENTS AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR DEED, TITLE POLICY, ZONING ORDINANCE, ETC

**SURVEY LEGEND**

LEGEND ABBREVIATIONS	
● SAN-MH	SANITARY MANHOLE
● ST-MH	STORM MANHOLE
● CB	CATCH BASIN
■ INLET	INLET
● WVV	WATER VALVE VULT
● B-BOX	B-BOX
● FH	FIRE HYDRANT
● LP	LIGHT POLE
● WUP	WOOD UTILITY POLE
● GV	GAS VALVE
● UB	UTILITY BOX
● F-POLE	FLAG POLE
● T/F=TOP OF FOUNDATION	
● F/F=FINISH FLOOR	
● C-TOP OF CURB	
● G=GUTTER	
● T/W=TOP OF WALL	

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.

  
ROBERT G. WALKER, P.E.  
57227  
REGISTERED PROFESSIONAL  
ENGINEER  
ILLINOIS

09-26-2024  
DATE

MY LICENSE EXPIRES ON NOVEMBER 30, 2025

**INDEX TO SHEETS**

NO.	DESCRIPTION
C-0,0	COVER SHEET & TOPOGRAPHIC SURVEY
C-0,1	DEMOLITION AND EROSION CONTROL PLAN
C-1,0	GEOMETRIC PLAN
C-2,0	UTILITY PLAN
C-3,0	GRADING PLAN
C-4,0	DETAILS
C-4,1	DETAILS
C-5,0	CONSTRUCTION NOTES
C-5,1	CITY OF NAPERVILLE NOTES

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**PROJECT NO.:** 240108  
**BASE FILE:**  
**SHEET FILE:**  
**ISSUE DATE:** MAY 6, 2024  
**SCALE:** 1"=50'-0"  
**SHEET NUMBER:** C-0

**COVER SHEET  
TOPOGRAPHIC SURVEY  
DAY CARE FACILITY**

628 N. RIVER ROAD, NAPERVILLE, IL. 60563

REVISIONS	DATE
1 PRELIMINARY ENGINEERING	05-26-2024
2 REVISIONS PER NAPERVILLE	09-26-2024
3 REVISIONS PER NAPERVILLE	11-22-2024

**UNITED SURVEY SERVICE, LLC**  
CONSTRUCTION AND LAND SURVEYORS  
7710 CENTRAL AVENUE, RIVER FOREST, IL 60305  
TEL.: (847) 299-1010 FAX: (847) 299-5887  
E-MAIL: USURVEY@USANDCS.COM

NOTE : The coordinates shown are Illinois State Plane grid not ground.

Bernsten 3D Top Security Monument. Consisting of a 9/16" Dia. Stainless Steel Datum Point On Threaded 9/16" x 4' Long Rod Totaling (8') in Length With Greased Top Security Sleeve Enclosed In Sand and 6" PVC Pipe With BMAC 6 Aluminum Access Cover.









DATE

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09-22-2024

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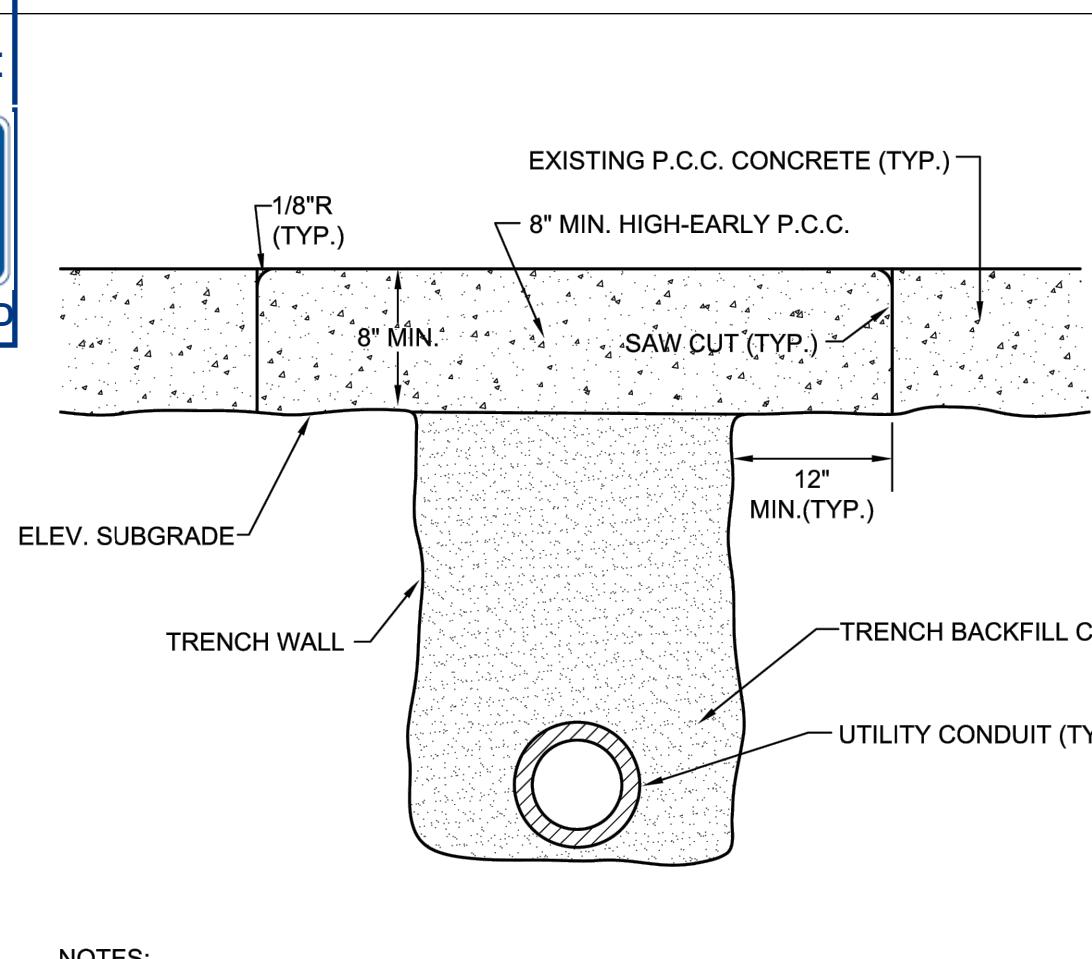
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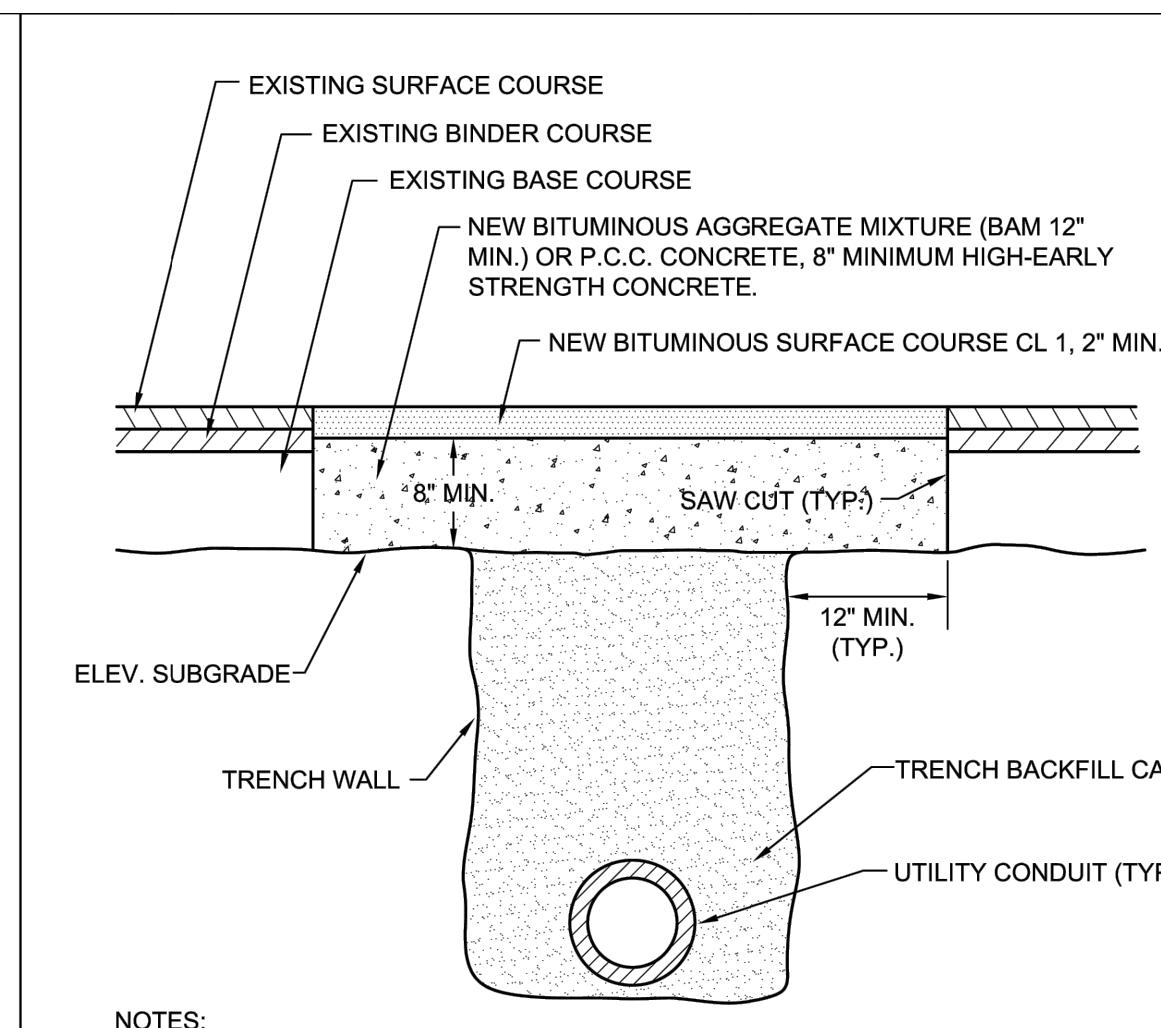
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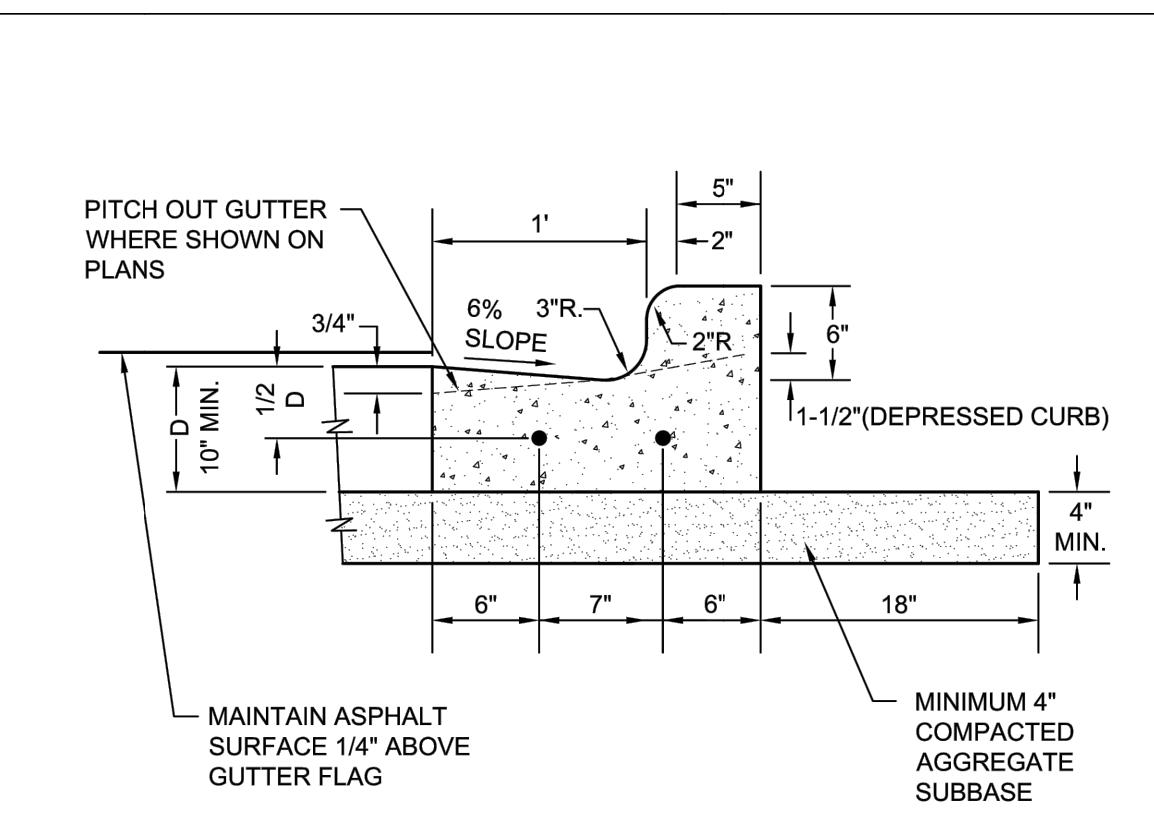
**NOTES:**

1. THE TRENCH SHALL BE BACKILLED WITH AGGREGATE (CA-6) AND COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY. TRENCH SPOILS OR EXCAVATED MATERIAL SHALL BE DISCARDED BY THE CONTRACTOR, AT HIS EXPENSE, AT DUMP SITES OR IN A SUITABLE FASHION AS APPROVED BY THE CITY ENGINEER.
2. PRIOR TO PLACING OF P.C.C. CONCRETE, THE EXPOSED EDGES OF ALL EXISTING PAVEMENT SHALL BE SAW CUT TO PROVIDE A SMOOTH, CLEAN EDGE, FREE OF LOOSE MATERIAL.
3. EXCAVATIONS SHALL BE PROTECTED BY BARRICADES WITH FLASHING LIGHTS. A 1" STEEL PLATE SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR AT LOCATIONS WHERE ADJUSTMENTS ARE LOCATED IN TRAVEL LANES UNTIL THE SURFACE RESTORATION IS COMPLETE. THE PLATE SHALL BE PROTECTED FROM SLIDING AND PROVIDED WITH BITUMINOUS RAMPS.
4. TRENCH TO BE COMPACTED IN CONFORMANCE WITH ARTICLE 603.08 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



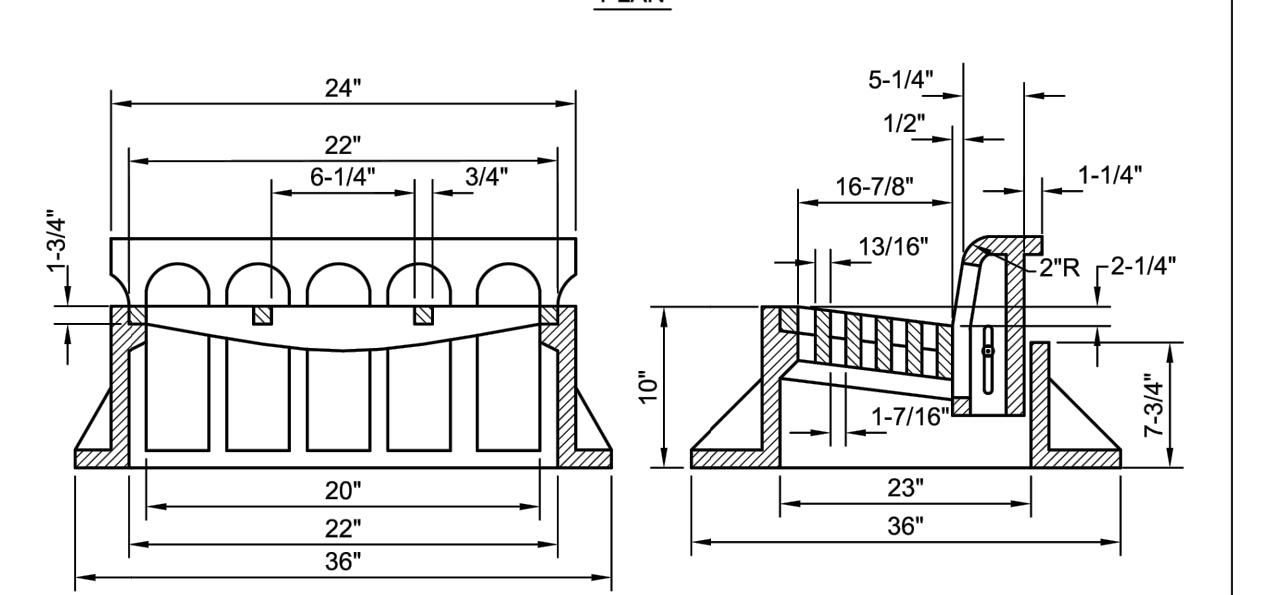
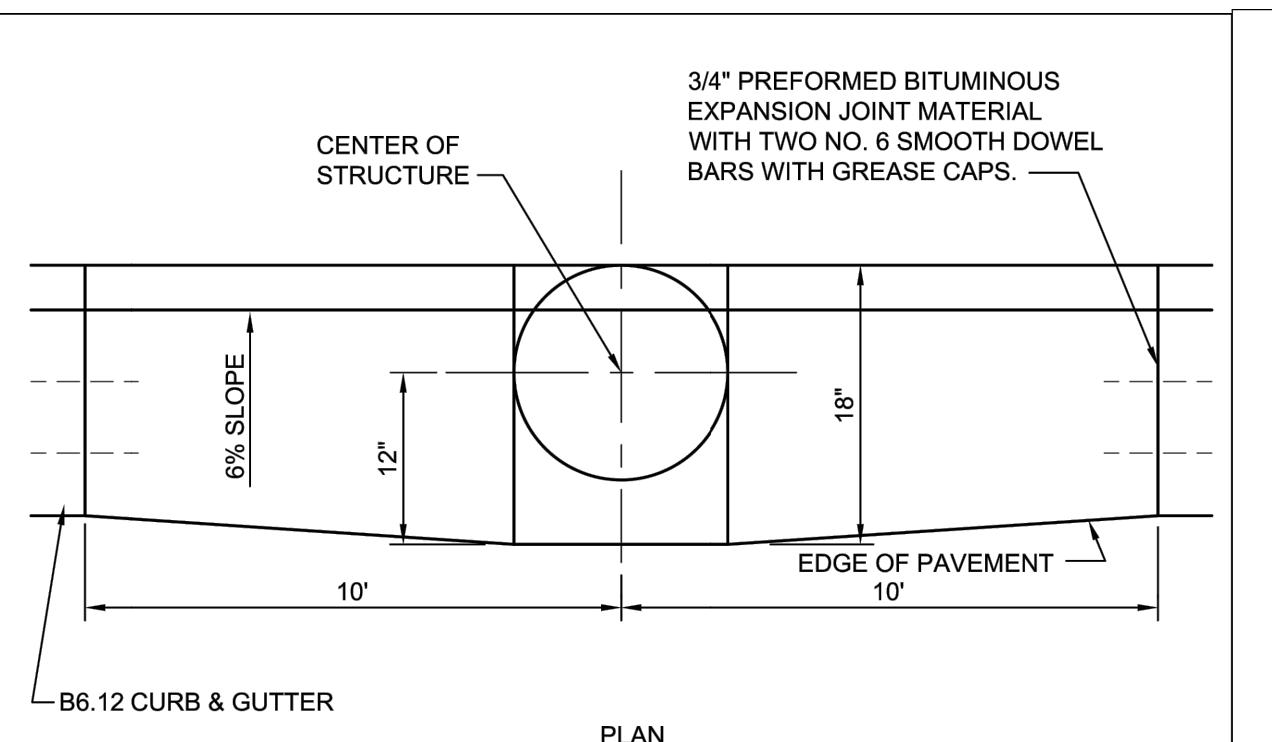
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4. TRENCH TO BE COMPACTED IN CONFORMANCE WITH ARTICLE 603.08(METHOD 3) OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

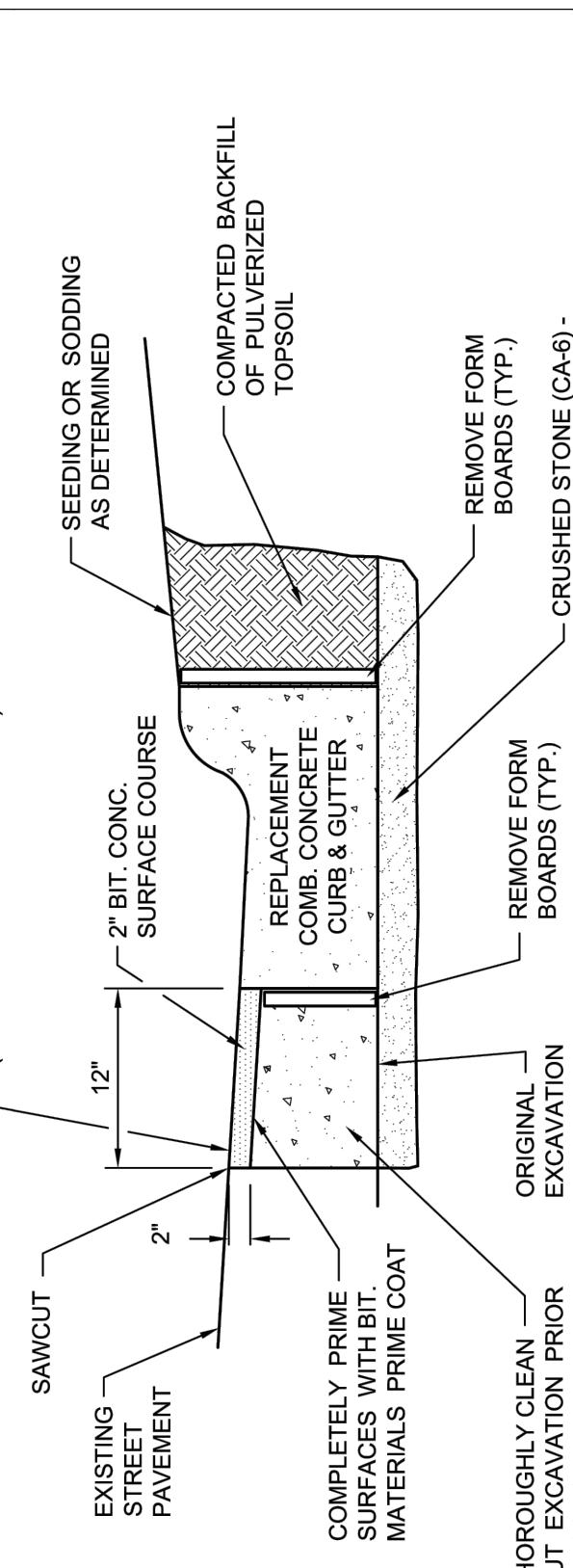


**NOTES:**

1. 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 15', 10' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" X 18") GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1" EXPANSION.
2. TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15'.
3. SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
4. FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 4) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.



TOP OF THE P.C. CONCRETE 2" COVER  
TOP OF THE EXISTING STREET PAVEMENT  
(CLASS SI CONC-SEE NOTE 2)



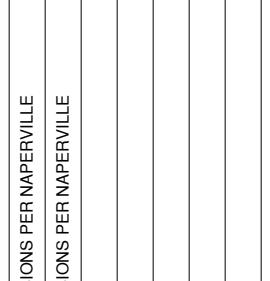
**NOTES:**

1. THE COMPLETE REPAIR OF PAVEMENTS ADJACENT TO THE REPLACEMENT CONCRETE CURB AND GUTTER IS INCLUDED IN THE COST OF THE NEW CURB AND GUTTER.
2. CLASS SI CONCRETE SHALL BE POURED SEPARATELY FROM THE CURB ONCE THE FORM BOARDS HAVE BEEN REMOVED.



**NOTES:**

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**NOTES:**

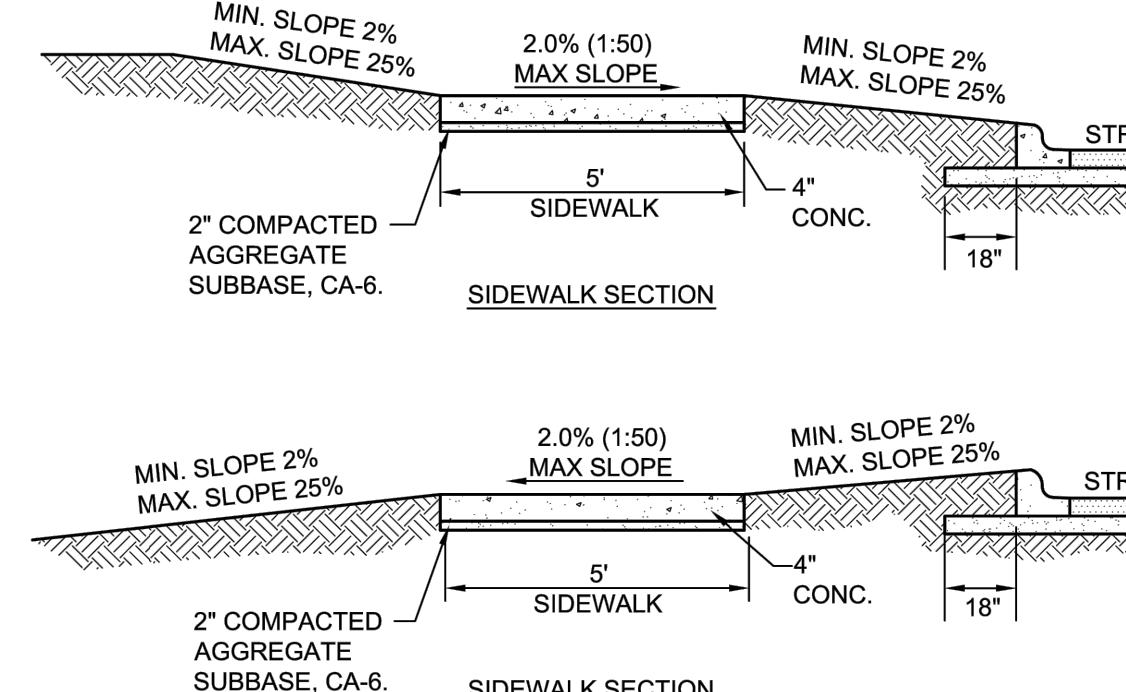
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2. CLASS SI CONCRETE SHALL BE POURED SEPARATELY FROM THE CURB ONCE THE FORM BOARDS HAVE BEEN REMOVED.

	City of Naperville <b>STANDARD DETAIL</b>	UTILITY TRENCH PAVING SECTION (RIGID PAVEMENTS)	PAVEMENT 12	<b>590.12</b>
	REVISED: 01/01/2013	SHEET 1 OF 1		

	City of Naperville <b>STANDARD DETAIL</b>	UTILITY TRENCH PAVING SECTION (FLEXIBLE PAVEMENTS)	PAVEMENT 13	<b>590.13</b>
	REVISED: 01/01/2013	SHEET 1 OF 1		

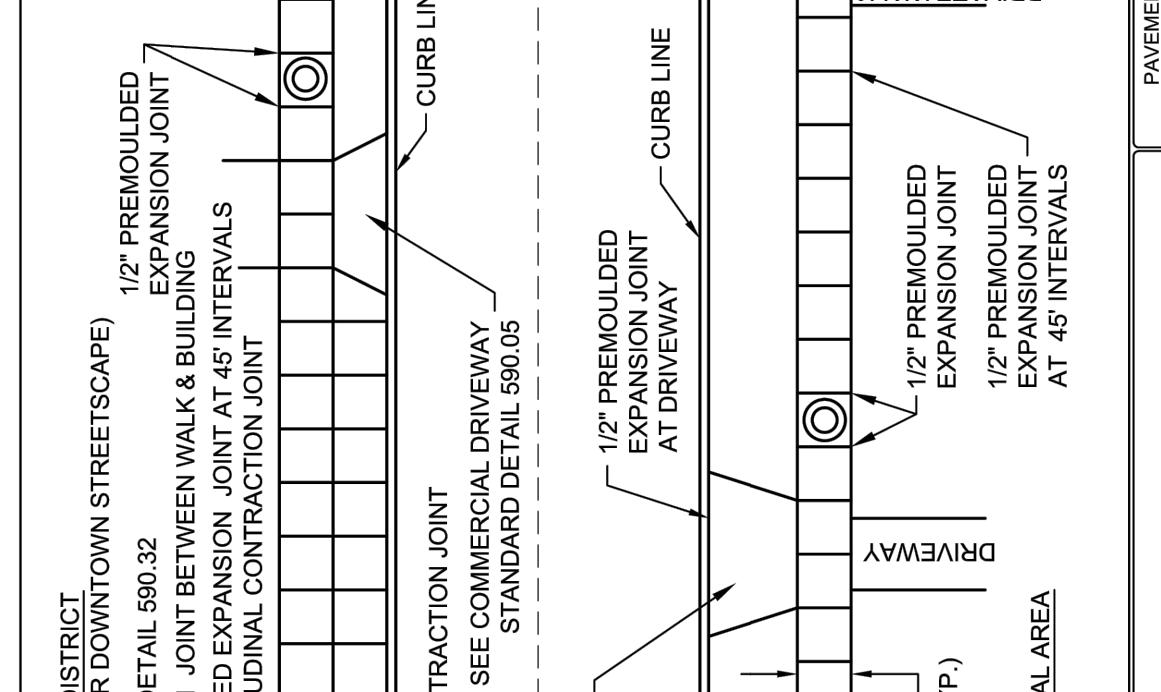
	City of Naperville <b>STANDARD DETAIL</b>	B6.12 BARRIER CURB & GUTTER	PAVEMENT 20	<b>590.20</b>
	REVISED: 01/01/2013	SHEET 1 OF 1		

	City of Naperville <b>STANDARD DETAIL</b>	B6.12 BARRIER CURB & GUTTER AT CURB INLETS	PAVEMENT 21	<b>590.21</b>
	REVISED: 01/01/2013	SHEET 1 OF 1		



**NOTES:**

1. CONCRETE SHALL BE IDOT CLASS SI.
2. MINIMUM SIDEWALK THICKNESS SHALL BE 4".
3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE AT A MINIMUM 6" FOR RESIDENTIAL DRIVEWAYS AND 8" FOR COMMERCIAL DRIVEWAYS.
4. MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 5% (20:1). FOR ANY SLOPE IN EXCESS OF 5%, ALL REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE (LATEST EDITION) SHALL BE MET.
5. MINIMUM TRANSVERSE SLOPE SHALL BE 1.0% (1:100). MAXIMUM TRANSVERSE SLOPE SHALL BE 1.0% (1:100).
6. A MINIMUM 2" CONCRETE SUBBASE (CA-6) SHALL BE PROVIDED. (4" THROUGH COMMERCIAL DRIVEWAYS).
7. AGGREGATE SUBBASE SHALL BE MECHANICALLY COMPACTED.
8. ALL SIDEWALKS SHALL BE PROMPTLY BACKILLED AND PROTECTED FROM DAMAGE.
9. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
10. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.



**NOTES:**

1. SEE STANDARD DETAIL 590.14 FOR DOWNTOWN STREETSCAPE
2. SEE CURB RAMPS STANDARD DETAIL 590.32
3. 1/2" PREMOULDED EXPANSION JOINT BETWEEN WALK & BUILDINGS
4. 1/2" PREMOULDED EXPANSION JOINT AT 45' INTERVALS
5. 1/2" PREMOULDED EXPANSION JOINT AT DRIVeway
6. 1/2" PREMOULDED EXPANSION JOINT AT 45' INTERVALS
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94. 1/2" PREMOULDED EXPANSION JOINT AT 45' INTERVALS
95. 1/2" PREMOULDED EXPANSION JOINT AT DRIVEWAY
96. 1/2" PREMOULDED EXPANSION



**GENERAL CONSTRUCTION NOTES**

- THE CONSTRUCTION SHALL BE UNDER THE GENERAL INSPECTION OF THE OWNER'S ENGINEER. THE CITY OR ITS REPRESENTATIVES SHALL PROVIDE PERIODIC OBSERVATION OF CONSTRUCTION ACTIVITIES AT THE SITE. UNDER NO CIRCUMSTANCES SHALL THE CONSTRUCTION OF THIS PROJECT BE UNDER THE GENERAL INSPECTION OF THE CITY. ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING SPECIFICATIONS:

  - ILLINOIS DEPARTMENT OF TRANSPORTATION (I.D.O.T.) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION.
  - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION.
  - "ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS" AS PUBLISHED BY THE I.E.P.A.
  - "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.) LATEST EDITION.
  - THE SUBDIVISION AND DEVELOPMENT CODES AND STANDARDS OF THE CITY.
  - "PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS" PUBLISHED BY THE ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS.

- WHERE A CONTRADICTION OCCURS WITH ANY PART OF THE STANDARD SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE, AS DETERMINED BY THE ENGINEER.
- THE CONTRACT DOCUMENTS (PLANS AND SPECIFICATIONS/GENERAL NOTES) SHALL SUPERSEDE THE STANDARD SPECIFICATIONS. IF THERE IS A CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE, AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL HAVE AT LEAST ONE COPY OF ALL APPLICABLE SPECIFICATIONS AS WELL AS ONE COPY OF THE CONTRACT DOCUMENTS (PLANS AND SPECIFICATIONS) AVAILABLE AT THE JOB SITE AT ALL TIMES THAT WORK IS IN PROGRESS.
- SHOULD ANY DISCREPANCIES OR CONFLICTS ON THE PLANS, QUANTITIES OR SPECIFICATIONS BE DISCOVERED BY THE CONTRACTOR, WHETHER PRIOR TO AWARDING OR AFTER THE AWARD OF THE CONTRACT, THE ENGINEER'S ATTENTION SHALL BE CALLED TO THE SAME BEFORE WORK IS BEGUN THEREON AND SO THAT PROPER CORRECTIONS CAN BE MADE.
- CONTRACT DOCUMENTS AND DRAWINGS:
  - THE ENGINEER'S DRAWINGS (THE PLANS) SHALL BE INCLUDED AS PART OF THE CONTRACT DOCUMENTS.
  - NOT USED.
  - ALL BIDDERS SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS PREPARED FOR THE WORK. THEY SHALL VISIT THE SITE OF THE WORK AND ACQUAINT THEMSELVES WITH ALL LOCAL CONDITIONS, CODES, AND REQUIREMENTS AFFECTING THE CONTRACT. IF AWARDED THE CONTRACT, THEY SHALL NOT BE ALLOWED EXTRA COMPENSATION BY REASON OF ANY UNFORESEEN DIFFICULTIES OR OBSTACLES WHICH THE BIDDER COULD HAVE DISCOVERED OR REASONABLY ANTICIPATED PRIOR TO THE BIDDING.
  - SHOULD IT APPEAR THAT THE WORK COVERED BY THE CONTRACT DOCUMENTS IS NOT SUFFICIENTLY DETAILED OR EXPLAINED, AN RFI FORM SHALL BE SUBMITTED TO THE ENGINEER FOR FURTHER DRAWINGS OR EXPLANATIONS AS MAY BE NECESSARY TO CLARIFY THE POINT IN QUESTION PRIOR TO THE CONTRACT AWARD. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE A JOB COMPLETE IN EVERY RESPECT. THE CONTRACTOR IS RESPONSIBLE FOR THIS RESULT AND TO TURN OVER THE PROJECT IN COMPLETE OPERATING CONDITION, IRRESPECTIVE OF WHETHER THE CONTRACT DOCUMENTS COVER EVERY INDIVIDUAL ITEM IN MINUTE DETAIL.
- THE CITY DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED 24 HOURS IN ADVANCE TO SCHEDULE INSPECTIONS FOR SIDEWALK, CURB AND GUTTER DRIVEWAYS, APRONS, PAVING, GRADING, WATERMAIN, SEWER MAIN AND UTILITY SERVICES.
- WORK SHALL NOT TAKE PLACE WITHOUT REQUIRED TRAFFIC CONTROL DEVICES AND BARRICADES IN PLACE PER THE M.U.T.C.D. ANY DEFICIENCY OF SAFETY OR TRAFFIC CONTROL DEVICES SHALL BE JUST CAUSE TO STOP THE PROJECT UNTIL SUCH TIME AS THE DEFICIENCY IS CORRECTED.
- CITY STREETS SHALL NOT BE CLOSED WITHOUT THE WRITTEN PERMISSION OF THE ENGINEERING CONSULTANT AND THEN ONLY AFTER PROPER NOTIFICATION HAS BEEN GIVEN TO THE POLICE AND FIRE DEPARTMENTS.
- THE CONTRACTOR SHALL IMMEDIATELY REMOVE MUD, SOIL OR DEBRIS DEPOSITED ON PUBLIC STREETS. FAILURE TO KEEP STREETS CLEAN SHALL BE JUST-CAUSE FOR ISSUANCE OF A STOP WORK ORDER OR CITATION.
- SIGNS LOCATED IN THE PUBLIC RIGHT-OF-WAY MUST NOT BE REMOVED OR DAMAGED. IF A SIGN NEEDS TO BE MOVED, NOTIFY THE PUBLIC WORKS DEPARTMENT.
- CONSTRUCTION MATERIALS SHALL NOT BE STORED WITHIN THE CITY RIGHT-OF-WAY.
- THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED FEDERAL, STATE, COUNTY, I.D.O.T., I.E.P.A. AND MWRDGC PERMITS.
- THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, OBTAIN ALL OTHER PERMITS, LICENSES, ETC., AS MAY BE REQUIRED FOR THE EXECUTION OF THIS WORK, GIVE ALL NECESSARY NOTICES, PAY ALL FEES REQUIRED, POST ALL BONDS, AND COMPLY WITH ALL LAWS, ORDINANCES, RULES AND REGULATIONS RELATING TO THE WORK AND TO THE PRESERVATION OF PUBLIC HEALTH AND SAFETY.
- ALL REQUIRED INSURANCE AND/OR BONDS SHALL BE PROVIDED BY THE CONTRACTOR AS MAY BE REQUIRED BY THE PERMITTING AGENCY.
- THE CONTRACTOR SHALL MEET ALL OF THE REQUIREMENTS OF ANY PERMITS AS MIGHT BE ISSUED FOR THIS WORK BY OTHER AGENCIES, AND SHALL PAY FOR AT THEIR SOLE EXPENSE ANY SURETY OR BONDS AS MAY BE REQUIRED BY THE PERMITTING AGENCY.
- THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF APPROVED ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE AT ALL TIMES DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL INDEMNIFY AND SAVE HARMLESS THE OWNER, BONO CONSULTING INC., AND THEIR OFFICERS AND EMPLOYEES; THE CITY AND THEIR OFFICERS, EMPLOYEES, AGENTS, AND CITY ENGINEERS CONSULTANTS, AND FROM AND AGAINST ALL LOSSES, CLAIMS, DEMANDS, PAYMENTS, SUITS, ACTIONS, RECOVERIES, AND JUDGMENT OF EVERY NATURE AND DESCRIPTION BROUGHT OR RECOVERED AGAINST THEM, BY REASON OF ANY ACT OR OMISSION OF SAID CONTRACTOR, THEIR AGENTS, SUBCONTRACTORS OR EMPLOYEES, IN THE EXECUTION OF THE WORK OR IN THE GUARDING OF IT.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC., AS SHOWN ON THE PLANS, HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE OWNER AND ENGINEER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED AND THAT THE ACTUAL LOCATION OF THOSE WHICH ARE SHOWN MAY BE DIFFERENT FROM THE LOCATION AS SHOWN ON THE PLANS. THE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE START OF WORK AND IS RESPONSIBLE FOR DAMAGE TO SAME. THE CONTRACTOR SHALL CALL J.U.L.I.E. 1-800-892-0123 AND THE CITY PUBLIC WORKS DEPARTMENT FOR UTILITY LOCATES BEFORE EXCAVATING.
- EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES AND SURVEYS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. THE CONTRACTOR SHALL MAKE THEIR OWN INVESTIGATION TO DETERMINE THE EXISTENCE, NATURE AND LOCATION OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENT. THE CONTRACTOR SHALL LOCATE ALL UTILITIES FAR ENOUGH IN ADVANCE TO AVOID ALL CONFLICTS IN GRADE SEPARATION BETWEEN EXISTING UTILITIES AND PROPOSED IMPROVEMENTS. IF THE CONTRACTOR ENCOUNTERS A CONFLICT BETWEEN THE PROPOSED IMPROVEMENT AND EXISTING UTILITY THAT WAS NOT LOCATED IN ADVANCE BY THE CONTRACTOR, THEN THE CONTRACTOR SHALL AT NO COST TO OWNER, RELOCATE THE PROPOSED IMPROVEMENTS AND/OR UTILITY TO AVOID THE CONFLICT.
- THE CONTRACTOR WILL BE REQUIRED TO COOPERATE WITH ALL UTILITY COMPANIES INVOLVED IN CONNECTION WITH THE REMOVAL, TEMPORARY RELOCATION, RECONSTRUCTION OR ABANDONMENT BY THESE COMPANIES OF ANY AND ALL SERVICES OR FACILITIES OWNED OR OPERATED BY THEM WITHIN THE LIMIT OF THIS IMPROVEMENT.
- BEFORE DOING ANY WORK WHICH WILL DAMAGE, DISTURB OR LEAVE UNSUPPORTED OR UNPROTECTED ANY UTILITY LINES OR APPURTENANCES ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE OWNER THEREOF, WHO WILL MAKE ALL ARRANGEMENTS FOR RELOCATING, ADJUSTING, OR OTHERWISE MAINTAINING OR ABANDONING SERVICE ON LINES THAT FALL WITHIN THE LIMITS OF THE PROPOSED CONSTRUCTION WITHOUT COST TO THE CONTRACTOR. INCLUDING THE REMOVAL OF ALL CABLES, MANHOLE COVERS AND OTHER APPURTENANCES WHICH THE OWNER DESIRES TO SALVAGE. AFTER SUCH ARRANGEMENTS HAVE BEEN MADE, THE CONTRACTOR WILL PROCEED WITH THE WORK AS DIRECTED BY THE ENGINEER. ALL UTILITY LINES AND APPURTENANCES WHICH ARE ABANDONED SHALL BE REMOVED AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- NO EXTRA COMPENSATION WILL BE ALLOWED BY THE CONTRACTOR FOR ANY EXPENSE INCURRED BY COMPLYING WITH THESE REQUIREMENTS OR BECAUSE OF DELAYS, INCONVENIENCE OR INTERRUPTIONS IN THEIR WORK RESULTING FROM THE FAILURE OF ANY UTILITY COMPANY TO REMOVE, RELOCATE, RECONSTRUCT OR ABANDON THEIR SERVICES. THE RESPONSIBILITY FOR PROMPT AND TIMELY REMOVAL, RELOCATION, RECONSTRUCTION OR ABANDONMENT OF THEIR FACILITIES BY ALL UTILITY COMPANIES INVOLVED, AND THE COORDINATION OF THEIR OWN WORK WITH THAT OF THESE COMPANIES TO THE END THAT WORK ON THIS IMPROVEMENT IS NOT DELAYED BECAUSE OF THE NECESSARY CHANGES IN THE EXISTING UTILITIES, PUBLIC OR PRIVATE, SHALL REST UPON THE CONTRACTOR.
- ALL EXISTING UTILITIES OR IMPROVEMENTS, INCLUDING WALKS, CURBS, PAVEMENTS AND PARKWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION.
- ALL EXISTING PAVEMENT OR CONCRETE TO BE REMOVED SHALL BE SAW CUT ALONG THE LIMITS OF THE PROPOSED REMOVAL. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST OF THE REMOVAL OF EACH ITEM.
- THE CONTRACTOR IS TO VERIFY ALL CRITICAL ELEVATIONS PRIOR TO COMMENCING WORK AND IF THERE ARE ANY DISCREPANCIES, IS TO NOTIFY THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL CALL TO THE ATTENTION OF THE ENGINEER ANY ERRORS OR DISCREPANCIES WHICH MAY BE SUSPECTED IN THE LINES AND GRADES WHICH ARE ESTABLISHED BY THE SURVEYOR, AND SHALL NOT PROCEED WITH THE WORK UNTIL ANY LINES AND GRADES WHICH ARE BELIEVED TO BE IN ERROR HAVE BEEN VERIFIED OR CORRECTED BY THE ENGINEER.
- NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR THE PARKWAY OVER A HOLIDAY, WEEKEND, OR AFTER 3 P.M. ON THE DAY PRECEDING A HOLIDAY OR WEEKEND.

- WHENEVER THE PERFORMANCE OF WORK IS INDICATED ON THE PLANS, AND NO ITEM IS INCLUDED IN THE CONTRACT FOR PAYMENT, THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL ITEMS SHOWN TO BE REMOVED, SHALL BE LEGALLY DISPOSED OF OFF-SITE.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE BY THE CONTRACTOR AND HIS SURETY FOR A MINIMUM PERIOD OF 12 MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY THE CITY, OTHER APPLICABLE GOVERNMENTAL AGENCIES, AND THE OWNER.
- NO WORK SHALL BE PERFORMED ON ADJACENT PRIVATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE PROPERTY OWNER.
- URING CONSTRUCTION THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL REMOVE FROM THE PREMISES, RUBBISH, WASTE MATERIAL AND ACCUMULATIONS, AND SHALL KEEP THE PREMISES CLEAN. THE CONTRACTOR SHALL CLEAN THE PREMISES TO THE SATISFACTION OF THE OWNER, ENGINEER, AND CITY.
- THE CONTRACTOR SHALL HAVE APPROPRIATE EQUIPMENT, INCLUDING STREET SWEEPERS AND END LOADERS AVAILABLE ON-SITE AT ALL TIMES WHEN EQUIPMENT OR VEHICLES ARE USING EXISTING PUBLIC OR PRIVATE PAVEMENT. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY DIRT, MUD, CLAY, SEDIMENT, CONCRETE, GRAVEL, SAND, STONES, PLANT MATTER, DEBRIS, REFUSE, GARBAGE, ETC. DEPOSITED ON ANY STREET, SIDEWALK OR ALLEY BY ANY EQUIPMENT, VEHICLES OR PEOPLE ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY ORDINANCES INCLUDING ANY AND ALL ASSESSMENTS OF COST THAT MAY RESULT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
- ALL TRENCHING, SHORING, AND CONSTRUCTION WORK PERFORMED SHALL BE IN ACCORDANCE WITH O.S.H.A. STANDARDS. THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN PROPER DUST CONTROL AT THE SITE AND SHALL HAVE A WATERING TRUCK READILY AVAILABLE DURING ALL WORKING HOURS.
- THE CONTRACTOR SHALL WATER THE ENTIRE SITE WHENEVER THE SITE CONDITIONS BECOME UNHEALTHY DUE TO BLOWING SOIL OR DUST. THE SITE SHALL BE WATERED AS MANY TIMES PER DAY AS NECESSARY TO MAINTAIN A HEALTHY WORK SITE AS DETERMINED BY THE OWNER OR ENGINEER. WATER FOR NON-EMERGENCY USE SHALL NOT BE OBTAINED FROM ANY FIRE HYDRANT, UNLESS THE FIRE HYDRANT IS METERED IN ACCORDANCE WITH CITY REQUIREMENTS. NO FIRE HYDRANTS ARE TO BE OPENED BY THE CONTRACTOR. ONLY THE CITY OF PUBLIC WORKS DEPARTMENT SHALL OPEN AND CLOSE HYDRANTS ON THE CITY'S WATER SYSTEM. THE COST TO FURNISH DUST CONTROL SHALL BE INCIDENTAL TO THE COST OF CONSTRUCTION.
- THE CONTRACTOR MUST FOLLOW THE REQUIREMENTS OF THE CITY SPECIFICATION FOR ALL PAVEMENT OPENINGS AND REPAIRS.
- TREE REMOVAL PERMIT IS REQUIRED FOR REMOVAL OF ALL TREES 10" DIAMETER OR GREATER.
- AN INSPECTION OF THE TOP OF FOUNDATION WILL BE REQUIRED PRIOR TO POURING.
- A FINAL INSPECTION OF GRADING WILL BE REQUIRED BEFORE PLACEMENT OF ANY SOD.
- ALL STREET OPENINGS SHALL BE IN ACCORDANCE WITH IDOT STANDARDS FOR WORK WITHIN AN IDOT R.O.W.
- ALL RETAINING WALLS GREATER THAN 30" HIGH NEED A PROTECTIVE RAILING. ALL RETAINING WALLS GREATER THAN 36" HIGH NEED TO BE APPROVED BY A LICENSED STRUCTURAL ENGINEER. RETAINING WALL DRAWINGS BY OTHERS.
- CONSTRUCTION STAKING SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE CONTRACT PRICE. A LICENSED SURVEYOR MUST STAKE ALL GRADING, UTILITY AND PAVING WORK.
- ALL STORM SEWER LIDS TO BE EMBOSSED WITH "STORM".
- ALL SANITARY SEWER LIDS TO BE EMBOSSED WITH "SANITARY".
- ALL WATER VAULT LIDS TO BE EMBOSSED WITH "WATER".
- MUD BASINS: 48 INCHES IN DIAMETER, THE BOTTOM SHALL NOT BE LESS THAN 27 INCHES BELOW THE INVERT OF THE OUTLET PIPE. THE OUTLET PIPE SHALL BE TRAPPED WITH A CATCH BASIN TRAP AND SHALL BE CONSTRUCTED OF CAST IRON WITH A SEAL OF AT LEAST 6 INCHES IN DIAMETER AND A CLEANOUT OF AT LEAST 4 INCHES IN DIAMETER.
- UPON COMPLETION OF THE PROJECT, THE CONTRACTOR OR ENGINEER SHALL SUBMIT FOUR (4) SETS OF AS-BUILT ENGINEERING PLANS AND A GRADING CERTIFICATE. THESE DOCUMENTS SHALL BE SUBMITTED WITHIN THIRTY (30) DAYS OF FINAL APPROVAL TO THE CITY.

**SITE PLAN NOTES:**

- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY /COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL HEALTHY STAND OF GRASS IS ESTABLISHED UNLESS OTHERWISE NOTED.
- ALL CURBED RADII ARE TO BE 3' MEASURED TO FACE OF CURB UNLESS OTHERWISE NOTED. STRIPED RADII ARE TO BE 5' UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE FACE OF CURB TO FACE OF CURB AND RADII ARE BACK OF CURB OR BUILDING FOUNDATION UNLESS OTHERWISE NOTED.
- BUILDING DIMENSIONS AND ADJACENT PARKING AND UTILITY LAYOUT HAVE BEEN PREPARED BASED UPON ARCHITECTURAL INFORMATION CURRENT AT THE DATE OF THIS DRAWING. SUBSEQUENT ARCHITECTURAL CHANGES MAY EXIST, THEREFORE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- ALL PROPOSED CURB AND GUTTER SHALL BE B6.12 UNLESS OTHERWISE NOTED.
- EXISTING TOPOGRAPHY BY UNITED SURVEY. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) PRIOR TO ANY WORK TO LOCATE UTILITIES AND SHALL CONTACT THE OWNER SHOULD UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENT..
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS AND POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITEWORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
- SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY OTHERS.
- IMPROVEMENTS ADJACENT TO BUILDING IF SHOWN SUCH AS TRUCK DOCK, RETAINING WALLS, SIDEWALKS, CURBING, CANOPIES, RAMPS, HANDICAP ACCESS, PLANTERS, DUMPSTERS AND TRANSFORMERS ETC. HAVE BEEN SHOWN FOR APPROXIMATE LOCATION ONLY. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
- THE CONTRACTOR SHALL ADJUST RIM ELEVATIONS OF ALL EXISTING STRUCTURES TO PROPOSED GRADES AS INDICATED ON PLANS.
- CONTRACTOR TO VERIFY LOCATION, SIZES, AND ELEVATIONS OF ALL BUILDING SERVICE LOCATIONS WITH ARCHITECTURAL PLANS.
- TOTAL DISTURBED LAND AREA IS 1.19 +/- ACRES.
- NO SPECIAL CONDITIONS WERE PRESENT ON THIS SITE.
- THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE "SITE SPECIFIC SPECIFICATIONS."
- MONUMENT AND/OR PYLON SIGNS SHALL BE CONSTRUCTED BY OWNER ASSIGNED CONTRACTOR.
- ALL GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS. OUTLOT AREA TO BE KEPT FREE OF JOB TRAILERS AND STORAGE AFTER THE CONTRACT MILESTONE DATE FOR THE OUTLOT. PURCHASER OF OUTLOT TO PROVIDE PERMIT DOCUMENTS AND SWPPP REQUIRED BY STATE/LOCAL REQUIREMENTS FOR SPECIFIC OUTLOT, IF REQUIRED.
- ALL ROADWAY AND PARKING LOT IMPROVEMENTS SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS, LATEST EDITION.
- ROUTING OF GAS, ELECTRIC AND TELEPHONE SERVICES IF SHOWN ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE BASED UPON FINAL REVIEW AND APPROVAL BY RESPECTIVE UTILITY COMPANIES AND OWNER. CONTRACTOR SHALL CONTACT EACH UTILITY COMPANY AND COORDINATE FINAL LOCATIONS FOR ALL UTILITY SERVICES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

**CONCRETE NOTES:**

- CLEAN, FULL DEPTH SAWCUT THROUGH EXISTING SIDEWALK & PAVEMENT SCHEDULED FOR REMOVAL. REPLACE TO MATCH EXISTING.
- AGGREGATE BASE COURSE FOR NEW SIDEWALK SHALL CONSIST OF 4" CA-6 BASE COURSE.
- CONCRETE SIDEWALK PAVEMENT SHALL CONSIST OF MINIMUM 5" THICK P.C., ALL CONCRETE SHALL BE MINIMUM 3,500 PSI.
- CONCRETE AND BASE COURSE SHALL BE IN ACCORDANCE WITH SECTION 420 IDOT STANDARD SPECIFICATIONS.
- SIDEWALK CROSS SLOPE IS 1" PER 5.33', DESIRABLE; 1" PER 8' MINIMUM; AND 1" PER 4' MAXIMUM. FRONT HANDICAP ACCESS RAMP SHALL BE AT 1:12' MAX.
- A 1/4" FIBER EXPANSION JOINT SHALL BE INSTALLED WHEN THE NEW PAVEMENT OR SIDEWALK ABUTS ANY BUILDING.
- CONTRACTION JOINTS SHOULD BE SAWCUT A MINIMUM OF TWO INCHES DEEP WITHIN 4-12 HOURS OF CONCRETE PLACEMENT, BUT NO LATER THAN 24 HOURS AFTER CONCRETE PLACEMENT, BE IN ACCORDANCE WITH SECTION 420.10(D) IDOT STANDARD SPECIFICATIONS.
- ALL CURB SHALL BE 6" HIGH UNLESS OTHERWISE NOTED. AREAS OF BARRIER CURB ONLY OR CURB & GUTTER SHOWN ON PLANS, AREAS OF REVERSE GUTTER PITCH ARE SHOWN ON PLANS. PROVIDE THREE (3) #4-1/2 INCH REBARS, TEN (10) FOOT LONG WHERE THE SIDEWALK CROSSES TRENCHES.
- CONTRACTION JOINTS AROUND SEWER STRUCTURES SHALL BE DIAMOND SHAPED, WITH A THREE FOOT MINIMUM LENGTH PER LEG.
- MAXIMUM 50' C-C BETWEEN EXPANSION JOINTS IN CURBS OR SIDEWALK.

**ASPHALT NOTES**

- ASPHALT SURFACE SHALL BE WARRANTED FOR ONE YEAR AGAINST BIRD BATHING/PONDING OF 1/4" STANDING WATER AREAS GREATER THAN 25 SQUARE FEET.
- TRANSITION GRADE CHANGES TO BE SMOOTH.
- MARKING PAINT SHALL BE HIGH QUALITY TRAFFIC PAINT INTENDED FOR STRIPING ASPHALT PARKING LOTS COLOR SHALL BE YELLOW, WIDTH: 4", COVERAGE RATE: 450 FEET PER GALLON PER IDOT ARTICLE 780.
- ASPHALT SECTIONS DETAILED ON SHEET 5 OF 8.

**EARTHWORK AND GRADING**

- ALL EARTHWORK SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS, "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," LATEST EDITION, INCLUDED IN THIS WORK, BUT NOT NECESSARILY LIMITED TO THE FOLLOWING ARE: CLEARING, STRIPPING AND STOCKPILING OF TOPSOIL, MASS GRADING AND FINE GRADING OF THE SITE AND ROADWAYS, EXCAVATION OF UNSUITABLE MATERIALS AND EXCAVATION OF DETENTION PONDS, LANDSCAPE MOUND CONSTRUCTION, AND MISCELLANEOUS TOPSOIL RESPREAD AND SEEDING.
- ANY EARTHWORK SUMMARIES PROVIDED BY THE ENGINEER ARE INTENDED TO BE USED AS A GUIDE FOR THE CONTRACTOR IN DETERMINING THE SCOPE OF THE COMPLETED PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE THEMSELVES OF ALL SITE CONDITIONS. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS LUMP SUM FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED UNLESS ORDERED IN WRITING BY THE OWNER.
- THE INITIAL ESTABLISHMENT OF EROSION CONTROL PROCEDURES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE START OF MASS GRADING.
- ALL GRADING OPERATIONS ARE TO BE SUPERVISED AND INSPECTED BY THE OWNER'S ENGINEER OR THEIR REPRESENTATIVE. ALL TESTING, INSPECTION, AND SUPERVISION OF SOIL QUALITY, UNSUITABLE SOIL REMOVAL AND ITS REPLACEMENT, AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE SOILS ENGINEER. NO UNDERCUT SHALL BE PERFORMED OR CLAIMS FOR EXTRA WORK WITHOUT AUTHORIZATION BY THE OWNER AND DOCUMENTATION BY THE SOILS ENGINEER.
- CLEARING SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF ALL OBSTRUCTIONS SUCH AS TREES, HEDGES, FENCES, WALLS, ACCUMULATIONS OF RUBBISH OF WHATEVER NATURE, AND ALL LOGS, SHRUBS, BRUSH, GRASS, WEEDS, AND OTHER VEGETATION AND STUMPS. THESE ITEMS SHALL BE PERFORMED WHENEVER THEY OCCUR WITHIN THE STREET RIGHT OF WAYS, AND WITHIN THE LIMITS OF CONSTRUCTION. TREES TO BE SAVED SHALL BE IDENTIFIED BY THE ENGINEER ON THE CONSTRUCTION PLANS. ALL TREES, EXCEPT THOSE DESIGNATED TO BE SAVED, AND ALL STUMPS SHALL BE CUT AND LEGALLY DISPOSED OF. TREES, STUMPS, AND HEDGES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED COMPLETELY. TREES DESIGNATED TO BE SAVED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER, SHALL BE PROTECTED IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN ARTICLE 201.05 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
- STRIP TOPSOIL DOWN TO FIRM SUBBASE. STOCKPILE QUANTITY NECESSARY FOR LANDSCAPING, AND REMOVE OTHER MATERIALS FROM THE SITE.
- EXCAVATION SHALL CONSIST OF THE EXCAVATION, REMOVAL, AND SATISFACTORILY DISPOSAL OR PLACEMENT AND COMPACTION OF ALL MATERIALS TAKEN FROM WITHIN THE SITE FOR THE CONSTRUCTION OF EMBANKMENTS, SUBGRADE, SUBBASE, SHOULDERs, INTERSECTIONS, DITCHES, WATERWAYS, ENTRANCES, APPROACHES AND INCIDENTAL WORK, AND THE REMOVAL AND SATISFACTORILY DISPOSAL OF UNSTABLE AND UNSUITABLE MATERIALS AND THEIR REPLACEMENT WITH SATISFACTORILY MATERIALS WHERE REQUIRED.
- AFTER STRIPPING AND EXCAVATING TO THE PROPOSED SUBGRADE LEVEL, AS REQUIRED, THE BUILDING AND PARKING AREAS SHOULD BE PROOF-ROLLED WITH A LOADED, TANDEM-AXLE DUMP TRUCK OR SIMILAR RUBBER TIRED VEHICLE, LOADED WITH AT LEAST 9 TONS PER AXLE. PROOF-ROLLING AIDS IN PROVIDING A FIRM BASE FOR COMPACTION OF FILLS, AND HELP TO DELINEATE SOFT, LOOSE, OR DISTURBED AREAS THAT MAY EXIST BELOW SUBGRADE LEVEL. PROOF-ROLLING IS ESPECIALLY IMPORTANT TO HELP EVALUATE THE SURFICIAL STABILITY OF EXISTING FILL SOILS THAT MAY BE LEFT IN PLACE BELOW FLOOR SLABS AND PAVEMENTS. SOILS WHICH ARE OBSERVED TO RUT OR DEFLECT EXCESSIVELY (MORE THAN 1 INCH) UNDER THE MOVING LOAD SHOULD EITHER BE SCARIFIED AND RE-COMPAKTED WITH A SMOOTH DRUM VIBRATORY ROLLER FOR GRANULAR SOILS, A SHEEPS FOOT ROLLER FOR COHESIVE SOILS, OR UNDERCUT AND REPLACED WITH PROPERLY COMPACTED AND DOCUMENTED STRUCTURAL FILL. THE PROOF-ROLLING AND UNDERCUTTING ACTIVITIES SHOULD BE OBSERVED AND DOCUMENTED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AND SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER. IN ADDITION TO PROOF-ROLLING, THE SUBGRADE SOILS SHOULD BE SCARIFIED AND COMPACTED TO AT LEAST 90 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY ASTM D 698 FOR A DEPTH OF AT LEAST 8 INCHES BELOW THE SURFACE.
- WHERE ENCOUNTERED, LOOSE SANDS SHOULD BE RE-COMPAKTED WITH A VIBRATORY ROLLER. CLAY SUBGRADE SOILS CAN BE EASILY DISTURBED BY CONSTRUCTION ACTIVITIES AND ARE SENSITIVE TO MOISTURE. THEREFORE, EXTRA CARE SHOULD BE USED TO AVOID DISTURBING THESE SOILS DURING CONSTRUCTION ACTIVITIES. IF THE SOILS BECOME UNSTABLE DURING CONSTRUCTION, OR IF NEAR SURFACE SOFT SUBGRADE SOILS ARE ENCOUNTERED, IT IS RECOMMENDED THAT COARSE AGGREGATE BE PLACED ON THE SUBGRADE UNTIL A STABLE BASE FOR COMPACTION OF FILL IS ACHIEVED. TYPICALLY, 12 TO 24 INCHES OF COURSE AGGREGATE ARE REQUIRED, DEPENDING IN THE CONSISTENCY OF THE SUBGRADE. THE COURSE AGGREGATE SHOULD CONSIST OF CLEAN, CRUSHED STONE GRAVEL BETWEEN 1/4 AND 3 INCHES IN SIZE. THE COURSE AGGREGATE SHOULD BE SPREAD IN A MAX. OF 12-INCH LAYERS AND CONSOLIDATED WITH COMPACTION EQUIPMENT UNTIL IT IS "LOCKED" IN PLACE.
- TOPSOIL EXCAVATION SHALL CONSIST OF THE REMOVAL AND STOCKPILING, OR PLACING ON FILL SLOPES OR PLACING IN MOUNDS, OF THE UPPERMOST LAYERS OF ORGANIC SOIL. TOPSOIL SHALL BE STOCKPILED ON THE AREAS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- TOPSOIL RESPREAD SHALL CONSIST OF PLACING A MINIMUM OF A FOUR (4) INCH LAYER OF TOPSOIL OVER THE UNPA

**WATER UTILITES GENERAL NOTES**

- a. New water main valves, including pressure tap valves, adjacent to an existing water main, and existing water main valves shall only be operated by the City of Naperville, Department of Public Utilities CEE/CM Division personnel with 48-hour notice (Monday-Friday). Contact Naperville TED Business Group at 630-420-6082 for scheduling.
- b. Any existing utility structures requiring adjustment or reconstruction shall be completed by the contractor to the satisfaction of the utility owner. Adjustments and/or reconstructions not called for on the plans shall be considered incidental to the contract. No more than a total of 12 inches of adjusting rings and/or 2 adjusting rings shall be allowed. All structure frames shall be flush with final grade.
- c. Trees shall be installed a minimum of five (5) feet horizontally from underground electrical feeders, sanitary sewers, sanitary services, water mains, and water services. Trees shall be installed a minimum of ten (10) feet horizontally from utility structures and appurtenances, including, but not limited to, manholes, valve vaults, valve boxes and fire hydrants. No trees, shrubs or obstacles will be allowed 10' in front of, 5' on the sides, and 7' to the rear of the electrical transformer.
- d. All retainer glands when required to restrain valves, fittings, hydrants, and pipe joints shall be mechanical joint wedge action type MEGALUG 1100 Series as manufactured by EBBA Iron, Inc. or UNI-FLANGE BLOCKBUSTER 1400 SERIES as manufactured by Ford Meter Box Co. and shall be for use on ductile iron pipe conforming to ANSI/AWWA C151/A21.51, for nominal pipe sizes 3" through 48".
- e. Existing ductile iron systems for restraining push-on pipe bells shall be MEGALUG SERIES 1100HD or FORD SERIES 1390.
- f. Existing ductile iron systems requiring restraint shall be MEGALUG SERIES 1100SD (split MEGALUG) for mechanical joints.
- g. Ductile iron water main to be Class 52. All ductile iron pipe is to be encased in polyethylene film Polyethylene encasement to be installed in accordance with ANSI/AWWA C105/A21.5-05.
- h. A set of as-built record drawing shall be given to the City of Naperville upon completion of improvements showing the elevation and location (tied to two points) of all new and existing structures including fire hydrants, valve boxes and vaults, lineshaft sleeves, water service corporation stops, water main fittings/bends, manholes, sanitary service wyes (measured from downstream manhole), and abandoned water or sanitary service lines. All elevations should be referenced to the same benchmark datum as the original design plans. Horizontal ties shall be referenced to lot lines, back of curb, or property corners.
- i. All sanitary sewer piping shall be PVC pipe meeting the requirements of ASTM D-2241 with joints conforming to ASTM D-3139. All sanitary sewer fittings shall be PVC meeting the following requirements: 4" to 12" shall be Injection Molded Fittings meeting ASTM D-2241. Greater than 12" shall be Fabricated Fittings meeting ASTM D-2241 or C905. Minimum pressure rating shall be 150 psi.
- j. The valves less than 16" shall be standard pattern, gate valves and shall have the name or mark of the manufacturer, size and working pressure plainly cast in raised letters on the valve body. Valves may be approved from one of the following manufacturers: American, Clow, Waterous or Kennedy.
- k. Stainless steel nuts/bolts/T-bolts, and washers, Type 304 or better, will be required on all water main installations. This would apply to hydrants, tapping sleeves, valves, fittings, restraint, and other appurtenances buried or in valve vaults. Mechanical joints and restraint glands require 304 stainless steel T-bolts. An anti-seize compound shall be factory applied to nuts or bolts - any damage to this coating shall be repaired with field applied approved anti-seize compound that is a molybdenum-base lubricant, Bostik Never-Seez or approved equal.
- l. The contractor shall rotate and/or adjust any existing and/or new hydrant to the satisfaction of the Department of Public Utilities.
- m. Water mains shall be subjected to a hydrostatic/leakage test in accordance with Naperville Standard Specifications. Test pressure shall be no less than 150 psi for a period of 4 hours and not vary by more than  $\pm$  5 psi during the test. The test gauge shall be approved by the City and shall be glycerin or oil filled, with a range of not more than 200 psi and increments not greater than 5 psi, 4" minimum dial size. Water recovery test shall be completed at the end of the testing period to show actual leaking and that the water main did not have too much trapped air in the tested section.
- n. The City of Naperville Public Utilities does not guarantee that any valve or fitting in the existing water distribution system will hold against a hydrostatic/leakage test. The Contractor is solely responsible for providing and acceptable pressure test which shall include provisions around existing valves and fittings.
- o. Fire hydrant should be bagged "NOT IN SERVICE" until all testing and disinfection has been completed and new water main section is service.
- p. Sanitary sewer and water shall be constructed, tested, and placed into service in accordance with City of Naperville Standard Specification and Specifications for Water and Sewer Main Construction in Illinois, Latest Edition.
- q. All valve boxes, vaults, hydrants, and manholes shall not be covered with construction debris and shall remain accessible to the respective utility company.
- r. Water service line smaller than 3" shall be type K copper. If joints are required due to length of service, then only compression type coupling shall be permitted. No soldered or flared type joints are allowed.
- s. All sanitary manholes shall be tested for leakage by vacuum testing. The manhole frame and adjusting rings shall be in place when testing. Any leaks shall be repaired from exterior of manhole - patching inside of manhole shall not be acceptable. A vacuum of 10" (254 mm) Hg shall be place on the manhole and the time shall be measured for the vacuum to drop to 9" (229 mm) Hg. The vacuum shall not drop below 9" (229 mm) Hg for the following time periods for each size of manhole:
  - a) 48-inch diameter - 60 seconds
  - b) 60-inch diameter - 75 seconds
  - c) 72-inch diameter - 90 seconds
  - d) 84-inch diameter - 105 seconds
- t. Any manholes that fail the test shall be sealed and re-tested until acceptable.
- u. The contractor shall provide internal televised inspection of all installed sanitary sewer, laterals, manholes and connections to the public system. Following completion of televising work, the contractor shall submit video recordings on DVD or flash drive along with a comprehensive televising report which will indicate the location, footages and nature of any defects. Prior to final acceptance, these defects shall be repaired to the satisfaction of the Water/Wastewater Utility and re-televised.
- v. Contractor work hours are only allowed from 7:00 a.m. to 5:00 p.m., Monday through Saturday. No work shall be permitted on Sundays.
- w. Sanitary pipes with less than 4 feet or more than 25 feet of cover shall be constructed of ductile iron piping (Class 50, minimum) and encased in polywrap.
- x. All excavations more than 20 feet deep must be protected by a system designed by a registered professional engineer.
- y. Contractor shall maintain 2' minimum clearance between existing utilities and new foundations and underground facilities. In areas where foundations and underground facilities are proposed adjacent to existing utilities, the contractor shall not hole by vacuum excavation or hand excavation to locate the existing utility to verify minimum clearance requirement.
- z. Fences shall be installed a minimum of 5 feet from any water or sanitary mains when running parallel with them. Where fences are installed crossing water or sanitary mains, the posts shall be located to have the main between them.
- aa. All brass components shall be certified to be lead free in compliance with NSF 61 and NSF 372 and identified with applicable markings.
- aa. **Sanitary Force Main** - Force man shall be tested a minimum of 1 hour at 1.5 the shut off head of the pump, 2.5 times the operating pressure, or 20 psi whichever is greatest. Allowable leakage shall be in accordance with section 41-2.14C of the standard specifications for water and sewer construction.

**Transportation, Engineering and Development Business Group Standard Construction Plan Notes for Development Projects AUGUST 2023**

The City of Naperville Transportation, Engineering and Development (TED) Business Group has established Standard Notes, which should be included in the final engineering plans for private development projects. The Standard Notes are broken out by type of work. The Consultant designing the final engineering plans should review the lists below to determine which Standard Notes should be included.

Please note that the City of Naperville Department of Public Utilities - Water/Wastewater (DPU-W) has their own Standard Notes they require for water and sanitary sewer work in private development final engineering plans. Please contact DPU-W for the Water/Wastewater Standard Notes.

**General Notes**

The General Notes in this section should be included in all final engineering plans regardless of the type of project.

1. THE OWNER OR THEIR REPRESENTATIVE IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED BY APPLICABLE GOVERNMENTAL AGENCIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NAPERVILLE DESIGN MANUAL AND STANDARD SPECIFICATIONS (CURRENT EDITION) AND WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (CURRENT EDITION).
3. ALL CONTRACTORS DOING WORK IN THE PUBLIC RIGHT-OF-WAY MUST BE LICENSED (WHEN APPLICABLE) TO MAKE PUBLIC IMPROVEMENTS WITHIN THE NAPERVILLE CORPORATE LIMITS.
4. THE CONTRACTOR/DEVELOPER ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR ANY ACTION RESULTING FROM THEIR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
5. THE CONTRACTOR/DEVELOPER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY OF NAPERVILLE.
6. PRIOR TO COMMENCEMENT OF ANY OFF-SITE CONSTRUCTION, THE CONTRACTOR SHALL SECURE WRITTEN AUTHORIZATION THAT ALL OFF-SITE EASEMENTS HAVE BEEN SECURED AND THAT PERMISSION HAS BEEN GRANTED TO ENTER ONTO PRIVATE PROPERTY.
7. THE CONTRACTOR AND THEIR ON-SITE REPRESENTATIVES WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF NAPERVILLE PRIOR TO ANY WORK BEING STARTED. A PRE-CONSTRUCTION MEETING WILL NOT BE SCHEDULED UNTIL THE PROJECT HAS BEEN APPROVED BY THE CITY OF NAPERVILLE DEVELOPMENT REVIEW TEAM AND THE REQUIRED SURETY HAS BEEN POSTED.
8. A MINIMUM OF 48-HOURS NOTICE SHALL BE GIVEN TO THE CITY OF NAPERVILLE TED BUSINESS GROUP (630-420-6100 OPTION 1) PRIOR TO STARTING WORK OR RESTARTING WORK AFTER SOME ABSENCE OF WORK FOR ANY REASON.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY IDENTIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT JULIE FOR THE LOCATION OF ANY AND ALL UTILITIES. THE TOLL-FREE NUMBER IS 800-892-0123. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY PRIVATE FACILITIES OR NON-JULIE MEMBER FACILITIES.
10. THE CONTRACTOR CAN SCHEDULE ALL NECESSARY SITE INSPECTIONS WITH THE CITY OF NAPERVILLE BY CALLING (630) 420-6100 OPTION 1 BETWEEN THE HOURS OF 8:00AM AND 4:00PM (CLOSED 1:00PM TO 2:00PM DAILY) ON WEEKDAYS WHEN THE CITY IS OPEN FOR BUSINESS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE SITE PERMIT NUMBER FOR THE PROJECT IN ORDER TO SCHEDULE THE INSPECTION(S).
11. RECORD DRAWINGS ARE REQUIRED TO BE SUBMITTED AND APPROVED BY THE CITY OF NAPERVILLE PRIOR TO FINAL OCCUPANCY BEING GRANTED.
12. FINAL ACCEPTANCE OF PUBLIC IMPROVEMENTS SHALL BE GRANTED ONLY AFTER A FINAL INSPECTION HAS BEEN COMPLETED AND HAS REVEALED THAT ALL IMPROVEMENTS HAVE BEEN SATISFACTORILY COMPLETED IN ACCORDANCE WITH THE NAPERVILLE STANDARD SPECIFICATIONS. UTILITIES ARE NOT CONSIDERED ACCEPTED UNTIL THEY ARE FORMALLY ACCEPTED BY THE CITY COUNCIL AS REQUIRED IN ACCORDANCE WITH THE NAPERVILLE MUNICIPAL CODE.

**General Notes (Project Specific)**

**Storm Sewer Notes (General)**

1. NO CONNECTION TO AN EXISTING PUBLIC STORM SEWER MAY BE MADE WITHOUT PERMISSION OF THE CITY ENGINEER.
2. THE CONTRACTOR SHALL REPAIR ANY EXISTING FIELD DRAINAGE TILE DAMAGED DURING CONSTRUCTION AND PROPERLY REROUTE AND/OR CONNECT SAID TILE TO THE NEAREST STORM SEWER OUTLET. ALL LOCATIONS OF ENCOUNTERED FIELD DRAINAGE TILE SHALL BE PROPERLY INDICATED ON THE CONTRACTOR'S RECORD DRAWINGS.

**Storm Sewer Notes (Storm Sewer Work in Plans)**

If the contractor requests a change to the pipe material and the associated pipe material information is not included in the engineering plans, the applicable Storm Sewer Note will need to be added to final engineering plans as the part of the Field Change request.

1. THE FOLLOWING MATERIALS ARE PERMITTED FOR STORM SEWER AND PIPE CULVERTS. WHERE A PARTICULAR MATERIAL IS SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS, NO OTHER KIND OF MATERIAL WILL BE PERMITTED:
  - POLYVINYL CHLORIDE PIPE (PVC) - POLYVINYL CHLORIDE (PVC) PIPE SHALL CONFORM TO ASTM D 3034, TYPE PSM. THE MINIMUM STANDARD DIMENSION RATIO (SDR) SHALL BE 26. THE PIPE SHALL BE MADE OF PVC PLASTIC HAVING A MINIMUM CELL CLASSIFICATION OF 1245-C AND SHALL HAVE A MINIMUM PIPE STIFFNESS OF FORTY-SIX (46) LBS. PER INCH (317 KPA). JOINTS FOR PVC PIPE SHALL BE FLEXIBLE ELASTOMERIC SEALS PER ASTM D 3212.
2. BEDDING, OTHER THAN CONCRETE EMBEMLD, SHALL CONSIST OF GRAVEL, CRUSHED GRAVEL, OR CRUSHED STONE 1/4 INCH TO 1 INCH IN SIZE. AS A MINIMUM, THE MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-7 OR CA-11 OF THE STANDARD SPECIFICATIONS.
3. BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS. THE GRADATION SHALL CONFORM TO GRADATION CA-6 OF THE STANDARD SPECIFICATIONS. BACKFILL MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
4. JOINTS CONNECTING DISSIMILAR PIPE MATERIALS SHALL BE MADE WITH SEWER CLAMP NON-SHEAR TYPE COUPLINGS; CASCADE CSS, ROMAC LSS, FERNCO, INC. SHEAR RING, OR APPROVED EQUAL. WHEN AVAILABLE, A STANDARD JOINT WITH A TRANSITION GASKET MAY BE USED. THE NAME OF THE MANUFACTURER, CLASS, AND DATE OF ISSUE SHALL BE CLEARLY IDENTIFIED ON ALL SECTIONS OF PIPE. THE CONTRACTOR SHALL ALSO SUBMIT BILLS OF LADING, OR OTHER QUALITY ASSURANCE DOCUMENTATION WHEN REQUESTED BY THE CITY ENGINEER. ALL NUTS AND BOLTS FOR COUPLINGS SHALL BE STAINLESS STEEL.
5. CATCH BASINS AND INLETS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 24 INCHES AND SHALL BE CONSTRUCTED OF PRECAST CONCRETE UNITS IN ACCORDANCE WITH ASTM A479-05 (OR LATEST EDITION) AND SHALL CONFORM TO THE CITY OF NAPERVILLE STANDARD DETAIL. ALL CATCH BASINS AND INLETS SHALL BE WATER-TIGHT AT ALL POINTS BELOW GRADE. ALL VISIBLE LEAKS SHALL BE SEALED IN A MANNER ACCEPTABLE TO THE CITY ENGINEER. CATCH BASINS AND INLETS SHALL BE FURNISHED WITH A FRAME AND GRATE BASED UPON THE LOCATION OF THE INSTALLATION AS LISTED BELOW. ALL FRAMES AND GRATES SHALL MEET OR EXCEED ASHTO H-20 LOADING SPECIFICATIONS. FRAMES SHALL BE SHOP PAINTED WITH ASPHALTIC BASE PAINT.

A. PAVEMENT: EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, NEENAH R-2502, OR APPROVED EQUAL FOR OPEN GRATES. EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 GRATE, NEENAH R-1772, OR APPROVED EQUAL FOR CLOSE LIDS.

B) BARRIER CURB AND GUTTER: EAST JORDAN IRON WORKS 7220 FRAME WITH TYPE M1 GRATE AND T1 CURB BOX, NEENAH R-3278-A, OR APPROVED EQUAL.

C) DEPRESSED CURB: EAST JORDAN IRON WORKS 5120 FRAME AND GRATE, NEENAH R-3225-L, OR APPROVED EQUAL.

D) MOUNTABLE CURB: EAST JORDAN IRON WORKS 7255 FRAME AND GRATE, NEENAH R-3501-P, OR APPROVED EQUAL.

E) NON-PAVED AREAS: EAST JORDAN IRON WORKS 6527 BEEHIVE GRATE, NEENAH R-4340-B, OR APPROVED EQUAL. ALTERNATELY, IN AREAS WHERE THERE IS THE LIKELIHOOD OF PEDESTRIAN TRAFFIC, EAST JORDAN IRON WORKS 1022 FRAME WITH TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL MAY BE USED.

9. ALL PIPE SHALL BE LAID TRUE TO LINE AND GRADE. DIRT AND OTHER FOREIGN MATERIAL SHALL BE PREVENTED FROM ENTERING THE PIPE OR PIPE JOINT DURING HANDLING OR LAYING OPERATIONS. ALL STORM SEWER PIPE TO PIPE CONNECTIONS SHALL BE SEALED WITH BUTYL MASTIC TO ENSURE WATER TIGHTNESS. LIFT HOLES TO BE SEALED USING BUTYL MASTIC AND CONCRETE PLUGS. AT NO TIME SHALL CONNECTIONS BETWEEN THE STORM SEWER AND SANITARY SEWER BE ALLOWED.

10. ALL STORM SEWER STRUCTURE FRAMES WITHOUT INSIDE FLANGES SHALL BE SHAPED WITH NON-SHRINKING HYDRAULIC CEMENT TO FORM A FILLET TO THE STRUCTURE OR ADJUSTING RING.

WHEN ADJUSTMENTS ARE NECESSARY, NO MORE THAN 12 INCHES OF VERTICAL ADJUSTMENT MAY BE MADE USING THE MINIMUM PRACTICAL NUMBER OF INDIVIDUAL RINGS.

ALL RINGS SHALL BE HIGH DENSITY POLYETHYLENE PLASTIC (HDPE), RECYCLED RUBBER, HIGH DENSITY EXPANDING POLYSTYRENE, EXPANDED POLYPROPYLENE (EPP), OR OTHER MATERIAL AS APPROVED BY THE CITY ENGINEER. PRECAST CONCRETE RINGS, BRICKS, ROCKS, SHIMS, OR CONCRETE BLOCKS WILL NOT BE ALLOWED. TAPERED ADJUSTING RINGS SHALL BE REQUIRED WHEN THE FRAME WILL NEED TO MATCH THE SLOPE OF THE ROADWAY.

A RESILIENT, FLEXIBLE, NON-HARDENING, PREFORMED BITUMINOUS MASTIC MATERIAL, CONSEAL 102 B OR APPROVED EQUAL, SHALL BE USED BETWEEN THE CONE OR TOP BARREL SECTION OF THE STRUCTURE AND THE ADJUSTING RINGS. A THICK BEAD OF NON-HARDENING ELASTOMERIC JOINT SEALANT CONFORMING TO ASTM C-920, TYPE S, GRADE NS, SHALL BE APPLIED BETWEEN ALL INDIVIDUAL RINGS, AND BETWEEN THE ADJUSTING RINGS AND THE FRAME. THE SEALANT OR MASTIC MATERIAL SHALL BE APPLIED IN SUCH A MANNER THAT NO SURFACE WATER OR GROUND WATER INFLOW CAN ENTER THE STRUCTURE.

**Erosion Control and Drainage Notes (General)**

1. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
2. DURING EXTENDED DRY PERIODS, THE CONSTRUCTION AREA(S) MAY NEED TO BE WATERED DOWN TO PREVENT THE BLOWING OF SOIL FROM THE SITE.
3. DURING CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE UTILIZED TO MINIMIZE THE TRACKING OF DIRT ONTO THE PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP PUBLIC STREET PAVEMENT CLEAN OF DIRT AND DEBRIS. ANY DIRT THAT IS TRACKED ONTO THE PUBLIC STREETS SHALL BE REMOVED THE SAME DAY. IF THE AMOUNT TRACKED ON THE PUBLIC STREET IS EXCESSIVE, CLEANING MAY BE REQUIRED MORE FREQUENTLY.

**Erosion Control and Drainage Notes (Project Specific)**

1. ALL EROSION CONTROL MEASURES SHALL BE PROPERLY INSTALLED, AS PERMITTED, PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. ALL EROSION CONTROL SHALL BE MAINTAINED UNTIL TURF IS ESTABLISHED.
2. ACCEPTABLE PERIMETER EROSION CONTROL INCLUDES SILT FENCE, SILT WORM AND ANY OTHER APPLICATION APPROVED BY THE CITY ENGINEER.

3. ALL OPEN GRATE STRUCTURES SHALL HAVE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLANS. STRAW BALES SHALL NOT BE USED.
4. STOCKPILES NOT BEING DISTURBED FOR MORE THAN 14 DAYS SHALL BE SEEDED.
5. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY, AFTER ANY 0.5 INCH OR GREATER RAINFALL, OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN THEIR FUNCTION.

**Erosion Control and Drainage Notes (NPDES Permit)**

1. IT IS THE RESPONSIBILITY OF THE OWNER OR HIS DESIGNEE TO INSPECT ALL TEMPORARY EROSION CONTROL MEASURES PER THE REQUIREMENTS OF THE NPDES PERMIT AND CORRECT ANY DEFICIENCIES AS NEEDED.

**Geometric and Paving Notes (General)**

1. THE DEVELOPER AND CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO ADEQUATELY PROTECT THE PAVEMENT AND PROPERTY, CURB AND GUTTER AND OTHER RIGHT-OF-WAY IMPROVEMENTS, WHETHER NEWLY CONSTRUCTED OR EXISTING, FROM ANY AND ALL DAMAGE. SUFFICIENT MEANS SHALL BE EMPLOYED BY THE CONTRACTOR TO PROTECT AGAINST SUCH DAMAGE TO THE SATISFACTION OF THE CITY ENGINEER.
2. ANY NEW OR EXISTING IMPROVEMENTS THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED IN A MANNER THAT IS SATISFACTORY TO THE CITY ENGINEER.
3. THE CONTRACTOR AND/OR DEVELOPER SHALL SECURE ALL NECESSARY RIGHTS AND PERMISSIONS TO PERFORM ANY WORK ON PRIVATE PROPERTY NOT WITHIN THE OWNERSHIP RIGHTS OF THE DEVELOPER. THE DEVELOPER SHALL BEAR THE SOLE RESPONSIBILITY FOR DAMAGES THAT MAY OCCUR AS A RESULT OF WORK PERFORMED UNDER CONTRACTS THEY INITIATE.
4. THE CONTRACTOR/DEVELOPER WILL BE RESPONSIBLE FOR BRINGING PAVEMENTS (STREET, CURB AND GUTTER, SIDEWALK, DRIVEWAY) ON THE PROPERTY UP TO CITY STANDARDS INCLUDING ANY REPAIRS TO SUBSTANDARD PAVEMENTS THAT EXISTED PRIOR TO OR OCCURRED DURING CONSTRUCTION.
5. WHEREVER NEW WORK WILL MEET EXISTING CONDITIONS OTHER THAN LAWN AREAS, REGARDLESS OF WHETHER THE NEW OR EXISTING WORK IS ASPHALT OR CONCRETE, THE EXISTING ADJACENT SIDEWALK, DRIVEWAYS, PAVEMENT OR CURB SHALL BE NEATLY SAW CUT. THE SAW CUT SHALL BE IN A NEAT STRAIGHT LINE SUFFICIENTLY DEEP SO THAT IT RENDERS A SMOOTH VERTICAL FACE TO MATCH TO. IF THE CONTRACTOR IS NOT CAREFUL OR DOES NOT SAW DEEP ENOUGH AND THE CUT LINE BREAKS OUT OR CHIPS TO AN IMPERFECT EDGE, THEN THE EXISTING SIDE MUST BE RE-CUT SQUARE AND DONE OVER UNTIL IT IS CORRECT.
6. ALL PAVEMENT PATCHES WITHIN THE PUBLIC RIGHT-OF-WAY MUST CONFORM TO CITY STANDARDS. REFERENCE NAPERVILLE STANDARD DETAILS 590.12 AND 590.13.

**Traffic Control and Protection Notes (General)**

1. ALL DEVELOPERS AND CONTRACTORS SHALL PROVIDE SUITABLE TRAFFIC CONTROL FOR THEIR CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. TRAFFIC CONTROL MUST BE PROVIDED FOR ANY ACTIVITY THAT IMPACTS TRAFFIC FLOW. THIS INCLUDES, BUT IS NOT LIMITED TO, ROAD CLOSURES REQUIRING DIVOURS, DAY/LANE CLOSURES, LONG TERM LANE CLOSURES, NARROW LANES, AND CONSTRUCTION VEHICLES ENTERING AND EXITING THE PUBLIC ROADWAY. ALL TRAFFIC CONTROL SET-UPS MAY BE INSPECTED BY THE CITY OF NAPERVILLE TO ENSURE THAT THEY ARE PROVIDING POSITIVE GUIDANCE TO MOTORISTS AND ARE NOT IN THEMSELVES PRESENTING A HAZARDOUS SITUATION. A REPRESENTATIVE OF THE DEVELOPER OR CONTRACTOR MUST PROVIDE PHONE NUMBERS AT WHICH THEY CAN BE REACHED 24 HOURS A DAY AND ON WEEKENDS SO THAT THEY CAN MAINTAIN TRAFFIC CONTROL DEVICES.
2. PEDESTRIANS MUST BE PROVIDED WITH A SAFE ALTERNATE ROUTE IF PEDESTRIAN FACILITIES ARE TO BE CLOSED AS A RESULT OF CONSTRUCTION ACTIVITIES. GUIDANCE MUST BE PROVIDED TO PEDESTRIANS SO THAT THEY MAY AVOID THE WORK ZONE. SAID PEDESTRIAN DETOUR PLAN (WITH SIGNAGE) IS TO BE REVIEWED AND ACCEPTED BY THE CITY WRITING, PRIOR TO THE COMMENCEMENT OF THE WORK.
3. THE CONTRACTOR SHALL EMPLOY THE APPROPRIATE METHODS OF TRAFFIC CONTROL IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SUCH THAT THE SAFETY OF VEHICLES, AND PEDESTRIANS IS PRESERVED AT ALL TIMES. THE ERECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE TO THE SATISFACTION OF THE AGENCY OF JURISDICTION AND THE CITY ENGINEER.
4. ANY TEMPORARY OPEN HOLES SHOULD BE BARRICADED AND PROTECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.