

PROJECT PINS:
11-04-08-301-002-0000
11-04-08-301-003-0000
11-04-08-301-004-0000
11-04-08-301-005-0000

EXISTING		PROPOSED	
	MANHOLE		DECIDUOUS TREE
	CATCH BASIN		
	INLET		EVERGREEN TREE
	CLEANOUT		
	FLARED END SECTION		OVERLAND FLOOD ROUTE
	WATER VALVE BOX		DRAINAGE ROUTE
	BUFFALO BOX (B.BOX)		
	WATER VALVE & VAULT		DOWNSPOUT
	FIRE HYDRANT		
	WELL		SILT FENCE LINE
	GAS VALVE		DEPRESSED CURB
	GAS METER		SOIL EROSION GEOTEXTILE PROTECTION
	COMMUNICATION CANISTER		CONCRETE
	COMMUNICATION HANDHOLE		BRICK
	COMMUNICATION MANHOLE		ASPHALT
	ELECTRIC CANISTER		BUILDING
	ELECTRIC HANDHOLE		GRAVEL
	ELECTRIC MANHOLE		STONE
	ELECTRIC METER		
	TRAFFIC SIGNAL		
	TRAFFIC HANDHOLE		
	TRAFFIC CONTROL BOX		
	UTILITY POLE		
	UTILITY POLE W/ LIGHT		
	STREET LIGHT		
	STREET SIGN		
	BORING LOCATION		
	MAILBOX		
	SPOT ELEVATIONS		
	PROPERTY LINE		
	ADJACENT PROPERTY LINE		
	EASEMENT LINE		
	SETBACK LINE		
	RIGHT OF WAY LINE		
	STORM SEWER LINE		



PROJECT LOCATION

PROJECT LOCATION MAP

1. COVER SHEET
2. GENERAL NOTES
3. GRADING PLAN
4. PAVING AND SIGNAGE PLAN
5. UTILITIES PLAN
6. LANDSCAPING PLAN
- 7-9. EROSION CONTROL PLAN
10. SWPPP PLAN
11. SITE ELECTRICAL PLAN
- 12-13. DETAILS

DATE	
1	RESUBMITTAL TO VILLAGE
2	RESUBMITTAL TO VILLAGE
3	
4	
5	
6	

COVER SHEET

CHICAGO TUBE DRIVE
ROMEOVILLE, ILLINOIS

SOURCE BENCHMARK

MONUMENT (GPS)
DESIGNATION: WRI 012
PID: DP5467
NORTHING: 1795414.0068
EASTING: 1047159.9314
COUNTY: WILL

DESCRIPTION: A GPS MONUMENT ON THE NORTH SIDE OF COUNTY ROAD 36 (RENWICK ROAD) 1.0 MILES EAST OF WEBER ROAD, 35.5 FEET NORTH OF THE EDGE OF PAVEMENT OF COUNTY ROAD 36, 28.5 FEET WEST OF A FIRE HYDRANT AND 7 FEET SOUTH OF A CHAIN LINK FENCE. ACCESS TO THE MONUMENT IS THROUGH A 6 INCH LOGO CAP. MONUMENT IS A STEEL ROD SURROUNDED BY A FLOATING BRONZE DISK.

ELEVATION: 661.68 NAVD88

SOURCE BENCHMARK

MONUMENT (GPS)
DESIGNATION: WRI 013
PID: DP5467
NORTHING: 1795436.3540
EASTING: 1041915.3916
COUNTY: WILL

DESCRIPTION: A GPS MONUMENT NEAR THE NORTHEAST CORNER OF COUNTY ROAD 36 (RENWICK ROAD) AND WEBER ROAD, 215 FEET NORTH OF THE EDGE OF PAVEMENT OF COUNTY ROAD 36, 121 FEET SOUTH OF A UTILITY POLE AND 2 FEET EAST OF THE EDGE OF PAVEMENT OF WEBER ROAD. ACCESS TO THE MONUMENT IS THROUGH A 6 INCH LOGO CAP. MONUMENT IS A STEEL ROD SURROUNDED BY A FLOATING BRONZE DISK.

ELEVATION: 649.47 NAVD88

SITE BENCHMARK #1

SE FB ON FIRE HYDRANT ON SW CORNER OF CHICAGO TUBE
DRIVE AND PINNACLE DRIVE.

ELEVATION = 629.29

PREPARED FOR

NATIONAL EXPRESS CARRIERS, INC.
273 MARQUETTE DR.
BOLINGBROOK, IL 60440

NOTICE TO CONTRACTORS

EXISTING UTILITIES

WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF OVERHEAD AND/OR UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER TO THE BEST OF HIS KNOWLEDGE AND BELIEF. SUCH INFORMATION IS PROVIDED IN RESPECT TO THE BIDDING OF THE ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY FOR SOVEREIGN CONSEQUENCES OF THE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE SUFFICIENCY OR VERACITY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UTILITIES AND SHALL BE SOLELY RESPONSIBLE FOR THE RESPECTIVE UTILITY COMPANIES DETAILED ON THE INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL PUBLIC AND PRIVATE UTILITY COMPANIES WHICH MAY HAVE OVERHEAD OR UNDERGROUND FACILITIES IN THE AREA BEFORE CONSTRUCTION BEGINS (SEE SPECIFICATIONS)

STORM WATER DRAINAGE CERTIFICATION

STATE OF ILLINOIS)
COUNTY OF DuPAGE) SS.

I, ALGIS J. RUGIENIUS, A REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT ADEQUATE STORM WATER STORAGE AND DRAINAGE CAPACITY HAS BEEN PROVIDED FOR THIS DEVELOPMENT, SUCH THAT SURFACE WATER FROM THE DEVELOPMENT WILL NOT BE DIVERTED ONTO AND CAUSE DAMAGE TO ADJACENT PROPERTY FOR STORMS UP TO AND INCLUDING THE ONE HUNDRED (100) YEAR EVENT, AND THAT THE DESIGN PLANS ARE IN COMPLIANCE WITH ALL APPLICABLE STATE, COUNTY AND VILLAGE ORDINANCES .

DATED THIS 16TH DAY OF AUGUST, A.D. 20 18

ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-047342
MY REGISTRATION EXPIRES ON NOVEMBER 30, 2019

SOIL EROSION PLAN CERTIFICATION

STATE OF ILLINOIS)
COUNTY OF DuPAGE) SS.

I, ALGIS J. RUGIENIUS, A REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THIS EROSION CONTROL PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND COMPLIES WITH THE URBAN SOIL EROSION CONTROL AND STANDARDS IN ILLINOIS (LATEST EDITION) AND THE GENERALLY RECOGNIZED METHODS IN USE IN THE AREA.

DATED THIS 16TH DAY OF AUGUST, A.D. 20 18

ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-047342
MY REGISTRATION EXPIRES ON NOVEMBER 30, 2019

ENGINEER'S CERTIFICATION

STATE OF ILLINOIS)
) SS.
COUNTY OF DuPAGE)

I, ALGIS J. RUGENIUS, A REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY MORRIS ENGINEERING, INC. 515 WARRENVILLE ROAD, LISLE, ILLINOIS, 60532 UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS. I FURTHER STATE THAT THE PROPOSED IMPROVEMENTS WILL NOT CAUSE PONDING OR FLOODING ON THE PROPERTY OR ADJACENT PROPERTIES.

DATED THIS 16TH DAY OF AUGUST, A.D. 20 18

ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-047342
MY REGISTRATION EXPIRES ON NOVEMBER 30, 2019



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GENERAL NOTES

- ALL EARTHWORK, GRADING, UTILITIES, AND STREET IMPROVEMENTS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS' STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, AND ALL REVISIONS THERETO.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS IN ACCORDANCE WITH SECTION 107 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE URBAN COMMITTEE OF THE ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS' PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS AND ALL REVISIONS THERETO AND IN ACCORDANCE WITH THE DETAILS ON THE PLANS.
- THE CONTRACTOR SHALL BE AWARE OF POTENTIAL CONFLICTS WITH EXISTING UTILITIES AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL EXCAVATE AROUND UTILITIES TO DETERMINE ELEVATIONS BEFORE BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EACH OF THE UTILITY COMPANIES BEFORE ANY WORK COMMENCES. ALL UTILITIES SHALL BE STAKED PRIOR TO CONSTRUCTION.
- THE OWNER WILL FURNISH THE CONTRACTOR WITH LINES, GRADES AND ELEVATIONS NECESSARY TO THE PROPER PROSECUTION AND CONTROL OF THE WORK ONCE.
- THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST SEVENTY-TWO (72) HOURS NOTICE FOR ANY STAKING TO BE DONE. EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE. ADDITIONAL STAKING REQUIRED DUE TO THE CONTRACTOR'S NEGLIGENCE IN PRESERVING THE STAKES SHALL BE PAID FOR BY THE CONTRACTOR AT THE CURRENT HOURLY RATE.
- THE CONTRACTOR SHALL INFORM THE ENGINEER AND THE VILLAGE OF ROMEOVILLE AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - TELEPHONE NUMBERS: MORRIS ENGINEERING - (630) 271-0770
 - VILLAGE OF ROMEOVILLE CONTACT INFORMATION
MR. JONATHAN A. ZABROCKI, P.E.
C/O VILLAGE OF ROMEOVILLE PUBLIC WORKS
615 ANDERSON DRIVE
ROMEOVILLE, IL 60446
(815) 886-1870
- THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SPECIFICATIONS AND SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES THAT THE CONTRACTOR DISCOVERS DURING THE BIDDING PERIOD. SAID DISCREPANCIES WILL BE CLARIFIED BY THE ENGINEER TO THE BEST OF HIS ABILITY PRIOR TO RECEIPT OF BIDS. THE ENGINEER WILL BE UNRECEPTIVE TO CLAIMS FOR ADDITIONAL COMPENSATION FOR WORK ITEMS BECAUSE OF CONTRACTOR'S LACK OF COMPLIANCE WITH THIS REQUIREMENT.
- THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY LATENT DISCREPANCIES THAT THE CONTRACTOR DISCOVERS DURING THE CONSTRUCTION PROCESS. THE ENGINEER WILL BE UNRECEPTIVE TO CLAIMS FOR ADDITIONAL COMPENSATION FOR WORK PERFORMED TO CORRECT A LATENT CONDITION NOT BROUGHT TO THE ATTENTION OF THE ENGINEER.
- THE CONTRACTOR RESPONSIBLE FOR DRAINAGE IMPROVEMENTS (UNDERGROUND STRUCTURES AND CONDUITS) SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL FROM TRENCHES OR STRUCTURE EXCAVATIONS AND SHALL DEPOSIT SAID SURPLUS MATERIALS ON THE SITE IN ACCORDANCE WITH THE GRADING PLAN OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT PLACE ANY EXCAVATED MATERIAL UPON ANY TOPSOIL. THE TOPSOIL SHALL BE REMOVED FROM ALL AREAS TO BE FILLED AND SHALL BE STOCKPILED IN AREAS AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT DISCHARGE INTO STREAMS, PONDS, WETLANDS OR ITS TRIBUTARIES ANY MOTOR OIL, TRANSMISSION FLUID, LUBRICANTS OR ANY OTHER PETROLEUM DISTILLATES, ANY PETROLEUM DISTILLATES DISCHARGED ON THE GROUND SURFACE SHALL BE PROMPTLY AND PROPERLY REMOVED PRIOR TO THE RESUMPTION OF ANY WORK ON THE PROJECT.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING FIELD TILES. ANY FIELD TILES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE. INVESTIGATION SHALL BE MADE TO INSURE THAT FIELD TILES DO NOT CONVEY OFF SITE WATER. TILES THAT CONVEY OFF SITE WATER SHALL BE REROUTED THROUGH THE SITE. TILES THAT DO NOT CONVEY OFF SITE WATER SHALL BE ABANDONED IN AN APPROPRIATE MANNER APPROVED BY THE VILLAGE. FIELD TILES WITHIN A RIGHT-OF-WAY SHALL BE REMOVED AND BACKFILLED WITH CA-6 COMPACTED IN EIGHT INCH LIFTS TO THE BOTTOM OF THE ROADWAY BASE. EXISTING FIELD TILES SHALL BE REMOVED BY SLIT TRENCHING.
- THE CONTRACTOR RESPONSIBLE FOR DRAINAGE IMPROVEMENTS SHALL BE RESPONSIBLE TO PLACE ALL FIRE HYDRANTS, FRAMES AND LIDS OR GRATES, AND ALL GRATES FOR MANHOLES, CATCH BASINS, INLETS AND VALVE VAULTS AT THE ELEVATIONS SHOWN AND SPECIFIED ON THE PLANS. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR SAID ADJUSTMENT AND THE COST OF SAID ADJUSTMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS DRAINAGE STRUCTURES MENTIONED ABOVE.
- ALL MANHOLES SHALL HAVE CONCRETE INVERTS CONFORMING TO THE SHAPE OF THE PIPE. CONCRETE INVERTS SHALL BE PLACED IN THE FIELD AND THE COST OF CONCRETE INVERTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS INLETS AND MANHOLES.
- WHERE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, EXISTING DRAINAGE STRUCTURES AND SYSTEMS SHALL BE CLEANED OF DEBRIS AND PATCHED AS NECESSARY TO ASSURE INTEGRITY OF THE STRUCTURE. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH FOR STRUCTURES AND CONTRACT UNIT PRICE PER LINEAL FOOT FOR SYSTEMS WHICH SHALL BE PAYMENT IN FULL FOR CLEANING, PATCHING, REMOVAL AND DISPOSAL OF DEBRIS AND DIRT. DRAINAGE STRUCTURES AND SYSTEMS CONSTRUCTED AS PART OF THIS PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS EXPENSE UNTIL FINAL ACCEPTANCE BY THE OWNER OR MUNICIPALITY.
- THE CONTRACTOR SHALL KEEP PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, SHALL ON A DAILY BASIS CLEAN THE PAVEMENT OF SUCH DIRT AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL PROVIDE PIPE BEDDING IN ACCORDANCE WITH THE DETAIL ON THE PLANS. THE COST OF THE BEDDING SHALL BE INCLUDED IN THE UNIT PRICE PER LINEAL FOOT OF THE VARIOUS SIZES OF STORM SEWER. NO ADDITIONAL COMPENSATION WILL BE MADE FOR PIPE BEDDING.
- THE CONTRACTOR SHALL PLACE TOPSOIL AT A 6" MINIMUM DEPTH AND SEED OR SOD ALL AREAS DESIGNATED BY THE ENGINEER.

GENERAL NOTES (CONT.)

- THE CONTRACTOR SHALL EXAMINE THE DRAINAGE PATTERNS SHOWN ON THE PLANS AND MAKE CERTAIN THAT ALL OVERFLOW POINT ELEVATIONS AND CROSS SECTIONS ARE CONSTRUCTED STRICTLY IN ACCORDANCE WITH THOSE SHOWN ON THE PLANS.
- ALL CONSTRUCTION SHALL CONFORM WITH THE PERMIT PLANS AND REVISIONS THERETO APPROVED BY THE VILLAGE AND UTILITIES COMPANIES.
- THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) PRIOR TO ANY WORK IN THE RIGHT OF WAY OR EASEMENTS TO LOCATE UTILITIES, AND CONTACT THE OWNER'S REPRESENTATIVE SHOULD PUBLIC UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- ALL WORK HEREIN PROPOSED SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, THE MUNICIPALITY, AND ALL PERTINENT LAWS, DIRECTIVES, ORDINANCES AND THE LIKE SHALL BE CONSIDERED TO BE A PART OF THESE SPECIFICATIONS.
- THE VILLAGE OF ROMEOVILLE DETAILS SUPERSEDE ALL OTHERS.
- ALL NEW CURB THAT MEETS EXISTING CURB WILL HAVE THREE DRILLED AND GROUTED #5 REINFORCING BARS OR EXPANSION TIE ANCHORS, 5/8" DIAMETER FOR EACH NEW CURB ADJACENT TO EXISTING CURB.
- FOR STRUCTURE ADJUSTMENT - MINIMUM OF 6" (2 @ 3") ADJUSTING RINGS (10" MAX) CONCRETE RINGS WILL BE 3" MINIMUM. RUBBER CAN BE 1", 3" AND MUST BE USED FOR TOP ADJUSTING RING IN PAVED AREAS. "EJIW INTRA-RISER RUBBER COMPOSITE ADJUSTMENT RISERS" OR APPROVED EQUAL.
- ADD AN INTERNAL/EXTERNAL ADAPTOR SEAL ON THE ADJUSTED SANITARY MANHOLE. THE "1/E A" SEAL STOPS INFLOW BETWEEN THE MANHOLE FRAME AND THE TOP ADJUSTING RING AND IT ALSO SEALS THE MANHOLE CHIMNEY FROM THE FRAME TO THE CORBEL. ONE VENDOR OF THIS SEAL IS ADAPTOR INC.
- THE DEVELOPER IS REQUIRED TO HAVE A GEOTECHNICAL ENGINEER ON-SITE TO MONITOR EARTHWORK AND THE GRADING ACTIVITY, IN ORDER TO IDENTIFY UNSUITABLE SOILS FOR REMOVAL FROM THE SITE. A NOTE TO THIS EFFECT MUST BE ADDED TO THE PLANS, AND A LETTER COMMITTING TO THIS REQUIREMENT MUST BE PROVIDED BY THE DEVELOPER. IN ADDITION, DAILY REPORTS AND COPIES OF ALL GEOTECHNICAL TESTING (TESTING AND FREQUENCY IN ACCORDANCE WITH THE IDOT STATE SPECIFICATIONS) MUST BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE ONCE THE ROADWAYS HAVE BEEN COMPLETED.
- DETECTABLE WARNING PLATES SHALL BE EAST JORDAN, POWDER COATED BRICK RED.

EXCAVATION

ALL SITE CLEARING, EXCAVATION, GRADING, COMPACTION, SUBGRADE PREPARATION, BASE COURSE, SURFACE COURSE, PCC CURB AND GUTTER AND SIDEWALKS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS, LATEST EDITION.

EARTHWORK UNDER THIS CONTRACT SHALL INCLUDE THE FOLLOWING:

- REMOVAL OF EXISTING VEGETATION WITHIN CONSTRUCTION LIMITS FROM THE SITE.
- PROTECTION OF CERTAIN TREES AS DIRECTED BY THE OWNER'S REPRESENTATIVE WITH APPROVED FENCING.
- STRIPPING OF ALL TOPSOIL AND OTHER UNSUITABLE MATERIALS FROM BUILDING AND/OR PAVEMENT AREAS AND REMOVAL FROM SITE OF ALL EXCESS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE REQUIREMENTS OF ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL ORDINANCES. THE COST OF ALL WORK NECESSARY TO MEET THESE REQUIREMENTS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT, AND NO SEPARATE PAYMENT WILL BE MADE.

THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IF PROPER COMPACTION CANNOT BE OBTAINED SO THAT THE OWNER'S REPRESENTATIVE MAY DETERMINE WHAT REMEDIAL MEASURES MAY BE NEEDED.

EXISTING SEWER AND WATERMAIN TRENCHES UNDER DRIVEWAYS IN PARKWAYS SHALL BE EXCAVATED TO THE TOP OF PIPE AND BACKFILLED WITH COMPACTED TRENCH BACKFILL.

EXISTING GRAVEL COMPACTION TO BE TESTED OR SOIL BORINGS TO BE MADE TO VERIFY SUITABILITY OF EXISTING GRAVEL AS SUBGRADE.

PROJECT SPECIFICATIONS AND GENERAL CONSTRUCTION NOTES

THE PROJECT SPECIFICATIONS AND GENERAL CONSTRUCTION NOTES SHALL INCLUDE THE FOLLOWING PROVISIONS:

- ALL ON-SITE AND OFF-SITE IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE "VILLAGE OF ROMEOVILLE";
- PERMITS SHALL BE OBTAINED FROM ALL OUTSIDE GOVERNMENTAL AGENCIES HAVING JURISDICTION;
- ALL STRUCTURE ADJUSTEMENTS SHALL BE ACCOMPLISHED IN CONFORMANCE WITH THE MOST RECENT VILLAGE STANDARD;
- EXISTING FIELD TILES ENCOUNTERED DURING CONSTRUCTION SHALL BE EITHER INTEGRATED INTO THE SITE DRAINAGE SYSTEM, REMOVED OR PLUGGED IN A MANNER DEEMED APPROPRIATE BY THE VILLAGE ENGINEER;
- THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL ADJUSTMENTS BEFORE AND AFTER FINAL INSPECTION, PRIOR TO FINAL ACCEPTANCE BY THE VILLAGE OF ROMEOVILLE;
- THE VILLAGE MUST HAVE FORTY-EIGHT (48) HOURS NOTICE PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITY;
- THE TESTING AND STERILIZATION OF ALL NEW WATER DISTRIBUTION FACILITIES SHALL BE COMPLETED PRIOR TO MAKING WATER SERVICE TAPS BY AN OUTSIDE TESTING SERVICE;
- MATERIAL SPECIFICATIONS COMPLY WITH VILLAGE STANDARDS AND INCLUDE:
 - PAVING BASE MATERIALS
 - PAVING SURFACE MATERIALS
 - CONCRETE MATERIALS
 - PIPE MATERIALS.
- DUST CONTROL - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF EXCESSIVE DUST BY WATERING DURING THE CONSTRUCTION PERIOD UNTIL THE ROAD PAVEMENT IS INSTALLED BY THE PAVING CONTRACTOR. THE REQUIREMENT FOR DUST CONTROL SHALL BE AS DIRECTED BY THE LOCAL APPROVING AUTHORITIES OR THE ENGINEER, AND SUCH DUST CONTROL (IF REQUIRED) SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- PERSON RESPONSIBLE FOR MAINTENANCE OF EROSION CONTROL STRUCTURES AND MEASURES, DURING AND AFTER DEVELOPMENT: SARUNAS BRAZDEIKIS
273 MARQUETTE DRIVE
BOLINGBROOK, IL 60440
(630) 755-4661

STORM SEWER NOTES

- STORM SEWER JOINTS MUST BE FLEXIBLE GASKET O-RINGS PER ASTM C361, ASTM C433, AND ASTM C1619.
- VILLAGE REQUIRES SUBMISSION OF RECORDED VIDEO INSPECTIONS OF ALL PUBLIC STORM SEWER.
- FOR CLOSED LID STRUCTURES, FRAME AND COVER SHALL BE EAST JORDAN 1022Z3 EMBOSSED WITH "STORM" AND VILLAGE OF ROMEOVILLE."
- WHEN UTILITY STRUCTURE ADJUSTMENT IS NECESSARY, A MINIMUM OF TWO ADJUSTING RINGS (MIN 6" ADJUSTING HEIGHT) AND MAXIMUM OF THREE RINGS (MAX 10" ADJUSTING HEIGHT), NO 1" OR 2" CONCRETE RINGS ARE ALLOWED. UNDER PAVED AREAS, TOP RING SHOULD BE RUBBER. USE ONE (1) EJIW INTRA-RISER RUBBER COMPOSITE.

SANITARY SEWER NOTES

- WHEN UTILITY STRUCTURE ADJUSTMENT IS NECESSARY, A MINIMUM OF TWO ADJUSTING RINGS (MIN 6" ADJUSTING HEIGHT) AND MAXIMUM OF THREE RINGS (MAX 10" ADJUSTING HEIGHT), NO 1" OR 2" CONCRETE RINGS ARE ALLOWED. UNDER PAVED AREAS, TOP RING SHOULD BE RUBBER. USE ONE (1) EJIW INTRA-RISER RUBBER COMPOSITE.
- PIPES MUST HAVE A MINIMUM COVER DEPTH OF 5 FEET. PIPES MUST BE PVC SDR 26 WHEN LESS THAN 15 FEET DEEP, PVC SDR 21 WHEN 15-20 FEET DEEP, AND PVC SDR 18 WHEN OVER 20 FEET DEEP.
- ALL MANHOLES LOCATED IN AREAS SUBJECT TO INUNDATION MUST HAVE WATERPROOF, BOLT-DOWN FRAMES AND LIDS.
- BOTH INTERNAL AND EXTERNAL CHIMNEY SEALS ARE REQUIRED ON THE SANITARY MANHOLES. THE EXTERNAL CHIMNEY SEAL SHALL BE THE "1/E A" SEAL BY ADAPTOR INC. OR APPROVED EQUAL. THE INTERNAL CHIMNEY SEAL SHALL BE ENVIOELASTIC AR350 OR RAVEN 581 BRUSH GRADE. A 100% SOLIDS, FLUID APPLIED POLYURIA ELASTOMER REPAIR MATERIAL AS APPLIED PER THE FOLLOWING:

FOR SURFACE PREPARATION, SURFACES SHOULD BE THOROUGHLY CLEAN AND DRY. CONCRETE AND MORTAR MUST BE CURED AT LEAST 7 DAYS AND NO FROST OR WET CONDITIONS CAN BE PRESENT DURING INSTALLATION. REMOVE ALL LOOSE MORTAR AND FOREIGN MATERIAL. SURFACE MUST BE FREE OF LAITANCE, CONCRETE DUST, DIRT, FORM RELEASE AGENTS, MOISTURE CURING MEMBRANES, LOOSE CEMENT AND HARDENERS. FILL BUG HOLES, AIR POCKETS AND OTHER VOIDS WITH STEEL-SEAM FT910. AFTER ENSURING THAT ALL SURFACES ARE CLEAN THE CHIMNEY SEAL COATING MATERIAL SHALL BE APPLIED EVENLY BY SPRAYING OVER THE ENTIRE CHIMNEY SEAL AREA INCLUDING THE FRAME JOINT AREA AND THE VERTICAL RISER OF THE MANHOLE CONE INCLUDING ALL EXTENSIONS TO THE CHIMNEY AREA. APPLICATION SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND FILM SHALL BE APPLIED AT A WET MILS SPREADING RATE OF BETWEEN 100 TO 125 MILS. THE FINAL INTERNAL CHIMNEY SEAL SHALL PASS VISUAL INSPECTION AND BE COMPLETELY FREE OF PINHOLES OR VOIDS.
- SANITARY MANHOLE FRAME AND COVER SHALL BE EAST JORDAN 1022Z3 EMBOSSED WITH "SANITARY" AND VILLAGE OF ROMEOVILLE." ALL JOINTS NEED TO BE EXTERNALLY WRAPPED WITH MACWRAP OR EQUAL. RUBBER GASKETED BOOTS ARE REQUIRED FOR THE MAIN AT THE MANHOLE WALL.
- "ALL SANITARY MANHOLE CASTINGS, ADJUSTING RINGS AND MANHOLE SECTION SHALL BE SET IN BUTYL ROPE OR APPROVED EQUAL. EACH MANHOLE CONE AND BARREL SECTION JOINT SHALL ALSO BE EXTERNALLY SEALED WITH A 6" WIDE SEALING BAND OF RUBBER AND MASTIC. THE BAND SHALL HAVE AN OUTER LAYER OF RUBBER OR POLYETHYLENE WITH AN UNDER LAYER OF RUBBERIZED MASTIC MEETING THE REQUIREMENTS OF ASTM C-877-02 (STANDARD SPECIFICATION FOR EXTERNAL SEALING BANDS FOR CONCRETE PIPE, MANHOLES, AND PRECAST BOX SECTIONS). PIPE CONNECTION TO NEW AND EXISTING MANHOLES THROUGH OPENINGS (CAST OR CORE-DRILLED) SHALL BE PROVIDED WITH A FLEXIBLE RUBBER WATERTIGHT CONNECTOR CONFORMING TO ASTM C-923 (STANDARD SPECIFICATIONS FOR RESILIENT CONNECTIONS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPES)".
- EXISTING SANITARY SERVICE STUBS TO BE REMOVED SHALL HAVE THE EXISTING SADDLE REMOVED FROM THE MAIN AND CIPP SPOT LINERS BE INSTALLED A MINIMUM OF 10 FEET ON EITHER SIDE OF THE SERVICE TO BE REMOVED.

FINAL ACCEPTANCE AND TESTING OF SANITARY SEWER

BEFORE FINAL ACCEPTANCE, THE SANITARY SEWERS SHALL BE TESTED IN ACCORDANCE WITH SECTION 31-1.11 OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". SPECIFICALLY, ALL PIPELINES CONSTRUCTED OF FLEXIBLE MATERIALS SHALL BE SUBJECT TO AIR EXFILTRATION TESTS, TELEVISION TEST, AND DEFLECTION TEST. THE DEFLECTION TEST SHALL BE PERFORMED NO SOONER THAN THIRTY (30) DAYS OF THE BACKFILLING OPERATION AND SHALL CONSIST OF MEASURING THE PIPE FOR VERTICAL RING DEFLECTION, MAXIMUM RING DEFLECTION OF THE PIPELINE UNDER LOAD SHALL BE LIMITED TO FIVE (5) PERCENT OF THE INTERNAL PIPE DIAMETER. ALL PIPE EXCEEDING THIS DEFLECTION SHALL BE CONSIDERED TO HAVE REACHED THE LIMIT OF ITS SERVICEABILITY AND SHALL BE RE-LAID OR REPLACED BY THE DEVELOPER. DEFLECTION TESTING SHALL BE ACCOMPLISHED BY PULLING A MANDREL, SPHERE, OR PIN-TYPE "GO / NO-GO" DEVICE, WITH A DIAMETER EQUAL TO NINETY-FIVE (95) PERCENT OF THE UN-DEFLECTED INSIDE DIAMETER OF THE FLEXIBLE PIPE, THROUGH THE PIPELINE. IN ADDITION, ALL SANITARY SEWER HAVING A DIAMETER OF EIGHT (8) INCHES OR GREATER SHALL BE TELEVIEWED. COPIES OF ALL VIDEO TAPES MUST BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE.

FINAL TESTING OF SANITARY SEWER MANHOLES

VACUUM TESTING SHALL BE CARRIED OUT IMMEDIATELY AFTER ASSEMBLY AND PRIOR TO BACKFILLING OF MANHOLES THAT ARE UP TO SEVENTY-TWO (72) INCHES IN DIAMETER. ALL LIFT HOLES SHALL BE PLUGGED WITH A NON-SHRINK GROUT, OR RUBBER PLUG. THE MANHOLE FRAME AND ADJUSTING RINGS AND CHIMNEY SEALS SHALL BE IN PLACE BEFORE TESTING. NO GROUT SHALL BE PLACED IN THE HORIZONTAL JOINTS. ALL PIPES ENTERING THE MANHOLE SHALL BE PLUGGED, TAKING CARE TO SECURELY BRACE THE PLUGS FROM BEING DRAWN INTO THE MANHOLE WITH THE VACUUM TESTING. VACUUM TESTING SHALL TEST ALL MANHOLES FOR LEAKAGE. A VACUUM OF TEN (10) INCHES OF MERCURY SHALL BE PLACED ON THE MANHOLE AND THE TIME MEASURED FOR THE VACUUM TO DROP TO NINE (9) INCHES OF MERCURY. THE VACUUM DROP SHALL NOT EXCEED THE REQUIREMENTS SHOWN IN TABLE 1 OF ASTM C1244-02. IF TESTING FAILS, DEVELOPER SHALL SEAL ALL LEAKS AND RETEST UNTIL ACCEPTABLE. THE TESTING SHALL BE COMPLETED PRIOR TO BACKFILLING (WHENEVER POSSIBLE) SO THAT ANY LEAKS CAN BE FOUND AND FIXED EXTERNALLY, AND TO GIVE THE HORIZONTAL MANHOLE JOINTS AN OPPORTUNITY TO TIGHTEN.

FLOW MONITORING PRIOR TO ACCEPTANCE

THE DEVELOPER WILL BE REQUIRED TO MONITOR THE FLOWRATE FROM THE SITE FOR A PERIOD OF TWO MONTHS (ENCOMPASSING AT LEAST TWO MAJOR STORM EVENTS) TO IDENTIFY ANY EXCESSIVE INFLOW/INFILTRATION OCCURRING IN THE SYSTEM. THE DATA MUST BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE PRIOR TO ACCEPTANCE OF THE PUBLIC IMPROVEMENTS.

WATER MAIN NOTES

- "PLEASE BE CONSCIOUS OF DAMAGING THE PAINT ON THE HYDRANTS DURING INSTALLATION. THE VILLAGE OF ROMEOVILLE HAS FOUND THAT THE PAINT ON THE HYDRANTS CAN BE DAMAGED DURING BACKFILLING. IF REQUESTED BY THE VILLAGE OF ROMEOVILLE WATER SUPERINTENDENT, ANY HYDRANTS EXHIBITING EXCESSIVE ROCK DAMAGE WILL BE SAND BLASTED AND REPAINTED BY AN APPROVED CONTRACTOR PRIOR TO ACCEPTANCE."
- "A MINIMUM OF 48 HOURS PRIOR TO ANY WATER USAGES (I.E. FLUSHES, FILS, ETC.) THE CONTRACTOR MUST CALL THE VILLAGE OF ROMEOVILLE'S WATER DEPARTMENT AT 815-886-1870 TO GET APPROVAL OF SAID USAGE. ANY UNAUTHORIZED USAGES WILL RESULT IN PENALTIES."
- "ALL VALVES AND HYDRANTS SHALL BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE WATER DEPARTMENT FOR WRITTEN APPROVAL PRIOR TO ORDERING."
- VALVE VAULTS:
 - ALL VALVE VAULTS SHALL BE A MINIMUM OF 5' DIAMETER.
- FRAME AND COVER SHALL BE EAST JORDAN #1022Z3 EMBOSSED WITH 1020A HD "WATER" AND "VILLAGE OF ROMEOVILLE."
- ALL JOINTS NEED TO BE EXTERNALLY WRAPPED WITH MACWRAP OR EQUAL.
- RUBBER GASKETED BOOTS ARE REQUIRED FOR ALL PENETRATIONS THROUGH THE MANHOLE WALL.
- INTERNAL/EXTERNAL CHIMNEY SEALS ARE REQUIRED.
- MINIMUM OF TWO ADJUSTING RINGS (MIN 6" ADJUSTING HEIGHT) AND MAXIMUM OF THREE RINGS (MAX 10" ADJUSTING HEIGHT), NO 1" OR 2" CONCRETE RINGS ARE ALLOWED. UNDER PAVED AREAS, TOP RING SHOULD BE RUBBER. USE ONE (1) EJIW INTRA-RISER RUBBER COMPOSITE ADJUSTMENT RISERS (1" TO 3" MAX HT. OF STACKED RISERS).
- MANHOLES FOR VALVE VAULTS:
 - MANHOLES MUST CONFORM TO THE LATEST REQUIREMENTS OF ASTM C478.
 - NEVER TRANSPORT SECTIONS TO THE SITE UNTIL THEY HAVE CURED FOR AT LEAST TEN (10) DAYS.
 - MARK EACH PIECE PLAINLY WITH MANHOLE NUMBERS AND DATE OF MANUFACTURE SO IT CAN BE INSTALLED IN THE PROPER LOCATION, AS SHOWN ON THE PLANS.
 - MAKE SURE FACTORY-INSTALLED CUTOUTS IN THE BOTTOM SECTION ARE APPROPRIATE FOR THE PIPE BEING LAID.
 - PIPE CONNECTIONS AT MANHOLE - CUTOUTS SHOULD BE EQUIPPED WITH RUBBER BOOTS TO ENSURE A WATERTIGHT CONNECTION. MATERIAL SHALL BE EQUAL TO KOR-N-SEAL CONNECTOR, AS MANUFACTURED BY NPC, INC.
 - JOINT SEALANT - FLEXIBLE RUBBER SEALANT FOR JOINTS IN PRE-CAST MANHOLE SECTIONS SHALL PROVIDE PERMANENTLY FLEKIBLE WATERTIGHT JOINTS. SHALL REMAIN WORKABLE OVER A WIDE TEMPERATURE RANGE AND SHALL NOT SHRINK, HARDEN OR OXIDIZE UPON AGING. MATERIAL SHALL BE EQUAL TO TYLOX SUPERSEAL AND SHALL MEET ASTM C 443 AND ASTM C 361 REQUIREMENTS.
 - THE FRAME FOR THE LID SHALL BE INSTALLED WHEN CONE SECTION IS CAST.
 - HEAT-SHRINKABLE ENCAPSULATION FOR EXTERNAL WRAPPING OF ALL JOINTS: WRAP SEAL AS MANUFACTURED BY CANUSA CPS, BIDCO EXTERNAL JOINT WRAP AS MANUFACTURED BY NPC, OR APPROVED EQUAL.
- GAS CHLORINE MUST BE USED FOR DISINFECTION.
- THE CHLORINATION CONTRACTOR MUST CALL 815-886-1870 A MINIMUM OF 24-HOURS IN ADVANCE TO SCHEDULE CHLORINATION.
- ONLY VILLAGE OF ROMEOVILLE EMPLOYEES SHALL OPERATE WATER SYSTEM VALVES AND TURN ON/OFF SAMPLING WHIPS WHILE SAMPLES ARE BEING COLLECTED.
- ALL CHLORINATION AND SAFETY EQUIPMENT MUST MEET OR EXCEED THE STANDARDS AND RECOMMENDATIONS SET BY THE CHLORINE INSTITUTE, INC.
- THE CHLORINATOR MUST BE A LICENSED PLUMBER OR CERTIFIED ILLINOIS WATER OPERATOR WITH A MINIMUM OF 5 YEARS EXPERIENCE WORKING WITH CHLORINE DISINFECTION OF WATER SUPPLY LINES.
- THE CHLORINATION CONTRACTOR MUST HAVE TWO PEOPLE PRESENT TO CHLORINATE. ONE TO MONITOR THE CYLINDER AND ONE TO MONITOR IN THE FIELD.
- THE CHLORINATION CONTRACTOR MUST BE BONDED AND INSURED, AND HAVE PROOF OF BOTH ON FILE WITH THE VILLAGE.
- THE CHLORINATION CONTRACTOR MUST HAVE UPDATED 24-HOUR EMERGENCY PHONE NUMBERS ON FILE WITH THE VILLAGE.
- THE CHLORINATION CONTRACTOR MUST COMPLY WITH STATE AND FEDERAL REGULATIONS REGARDING TRANSPORTATION AND HANDLING OF CHLORINE CYLINDERS:
 - SHIPPING AND EMERGENCY PAPERS FOR EVERY JOB LOCATION
 - PROOF OF INSURANCE FOR HAULING AND HANDLING CHLORINE GAS
 - COMMERCIAL DRIVER'S LICENSE WITH HAZMAT ENDORSEMENT AND MEDICAL CARD
 - COPY OF EMERGENCY RESPONSE GUIDEBOOK IN VEHICLE
 - HAZMAT CERTIFICATE OF REGISTRATION
 - HAZARDOUS MATERIALS PLACARD DISPLAYED ON VEHICLE
 - CYLINDER STRAPPED UPRIGHT IN TRUCK
- UNDER NO CIRCUMSTANCES WILL CHLORINE CONTRACTORS BE ALLOWED TO APPLY HEAT TO THE CHLORINE CYLINDER (I.E. HOT BATHS, PROPANE TORCHES, ETC.) WHILE THE CYLINDER IS BEING USED IT MUST BE IN A VERTICAL POSITION, AS WELL AS BEING AFFIXED TO A SOLID OBJECT.
- PRIOR TO CHLORINATION, THE CHLORINATION CONTRACTOR MUST PROVIDE A DETAILED WRITTEN CHLORINATION AND FLUSHING PLAN TO THE VILLAGE FOR REVIEW AND WRITTEN APPROVAL.
- AT ANY TIME, THE VILLAGE OR ITS AUTHORIZED REPRESENTATIVE MAY ASK FOR PROOF OF ANY OR ALL OF THE ABOVE INFORMATION. PLEASE CONTACT THE VILLAGE OF ROMEOVILLE PUBLIC WORKS DEPARTMENT (815-886-1870) WITH ANY QUESTIONS.

DATE	RESUBMITAL TO VILLAGE		RESUBMITAL TO VILLAGE			
	1	2	3	4	5	6
6/29/2018		8/15/2018				

GENERAL NOTES

CHICAGO TUBE DRIVE
ROMEOVILLE, ILLINOIS

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Land Surveying
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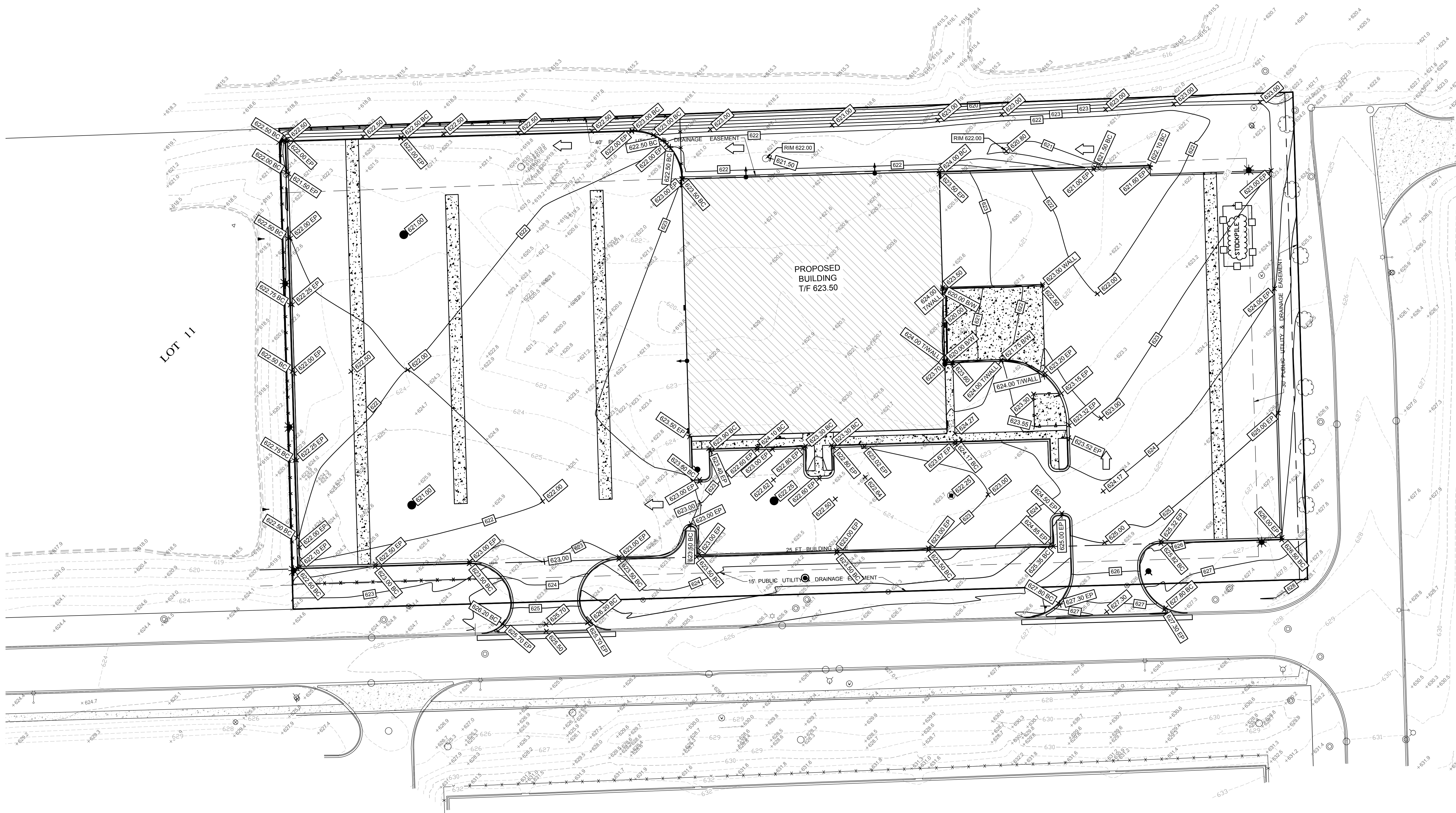
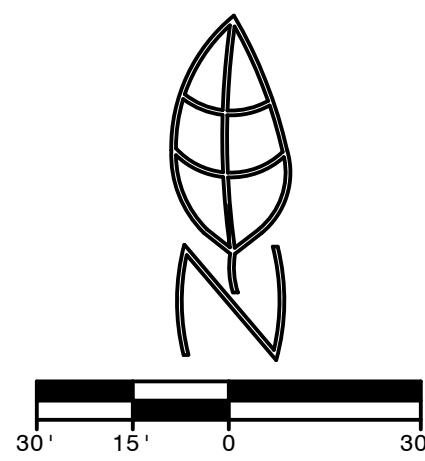
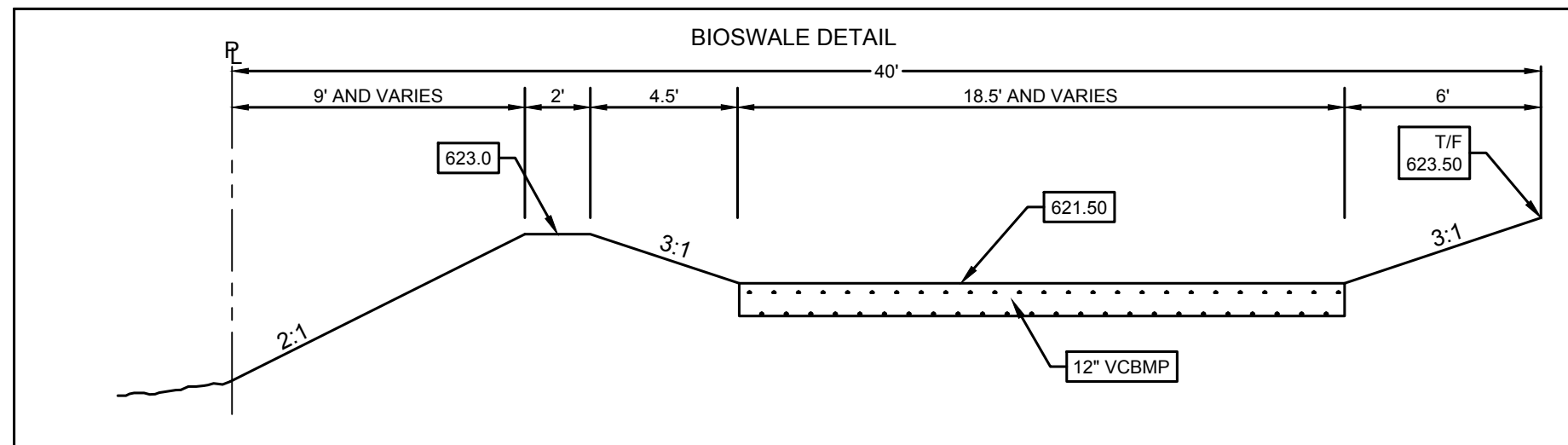
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OF 13 SHEETS

PROJ # 17-PR-1002



DATE	1	2	3	4	5	6
6/29/2018	RESUBMITAL TO VILLAGE	RESUBMITAL TO VILLAGE				
8/15/2018						

GRADING PLAN

CHICAGO TUBE DRIVE

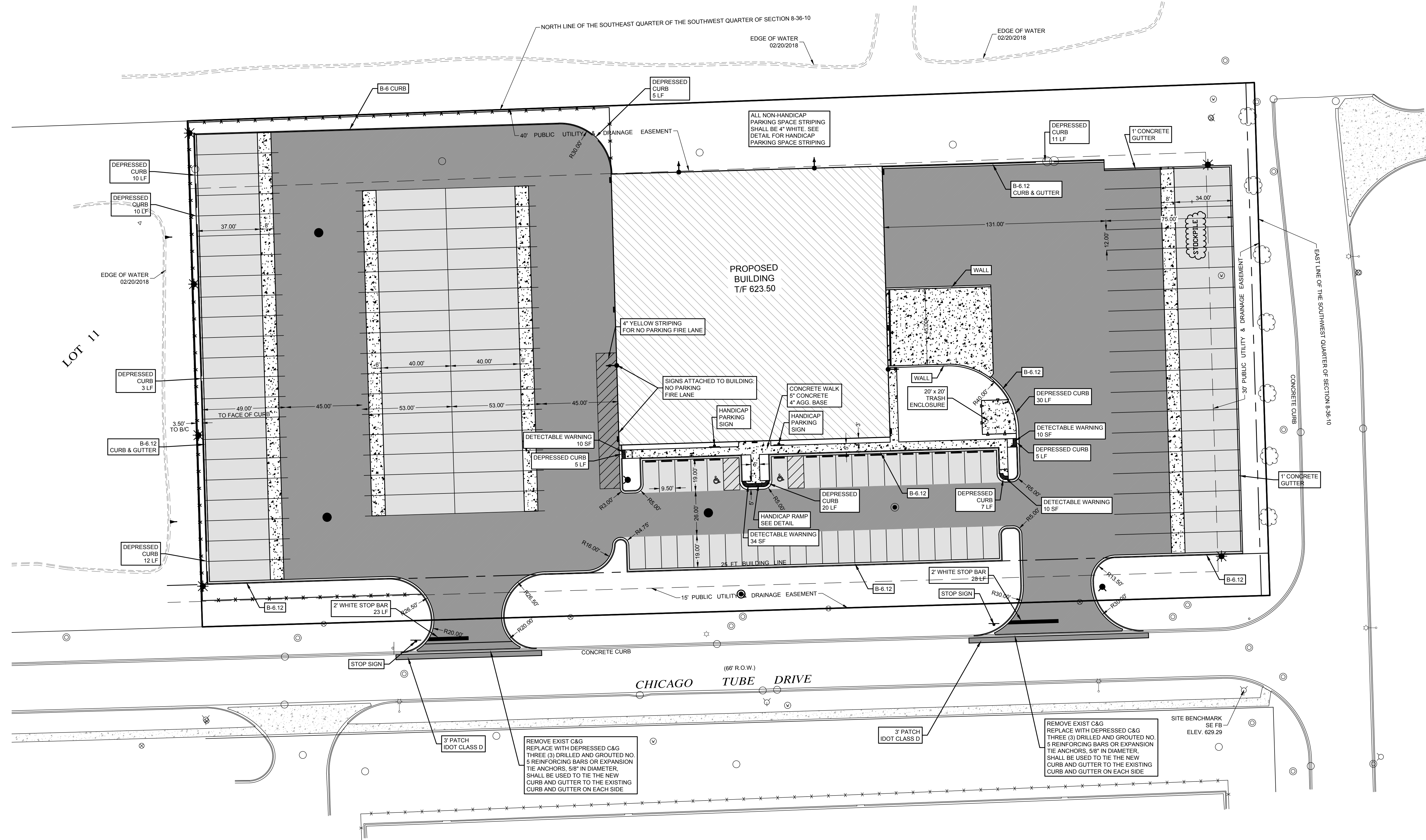
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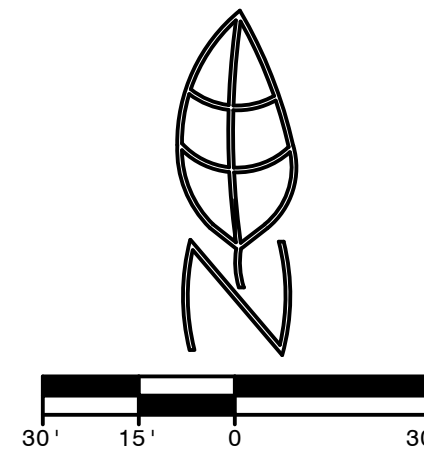
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PROJ # 17-PR-1002	

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TOTAL LOT AREA = 189,516 SF
BUILDABLE LOT AREA = 141,429
PROPOSED IMPERVIOUS AREA = 149,566 SF = 79%
PROPOSED BUILDING AREA = 25,600
FLOOR AREA RATIO = 0.18
TRAILOR PARKING SPACES = 13
CAR PARKING SPACES = 39
HANDICAP PARKING SPACES = 2

- CONCRETE LOADING DOCK PAVEMENT
7" 4000 PSI CONCRETE
6"x6" WIRE MESH
4" AGGREGATE BASE
- CONCRETE TRUCK LANDING PAD
5.5" 4000 PSI CONCRETE
#5 REBAR 5' O.C. RUNNING FULL LENGTH OF PAD
4" AGGREGATE BASE
- CONCRETE SIDEWALK
5" 3500 MIN. PSI CONCRETE
4" AGGREGATE BASE
- LIGHT DUTY PAVEMENT
1.5" SURFACE
2.5" BINDER
8" CA-6 AGGREGATE BASE
- HEAVY DUTY PAVEMENT
1.5" SURFACE
4" BINDER
12" CA-6 AGGREGATE BASE



PAVING & SIGNAGE PLAN

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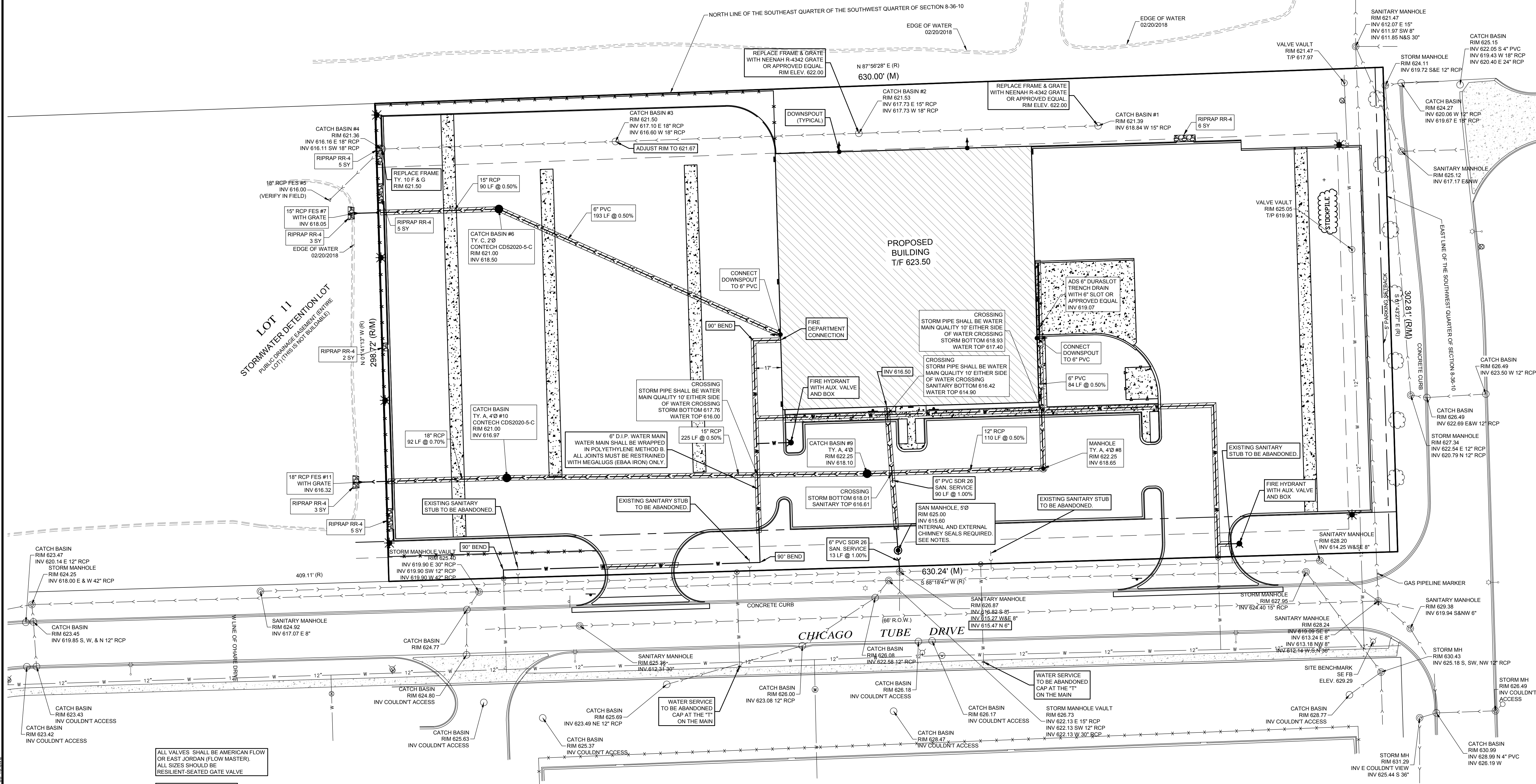
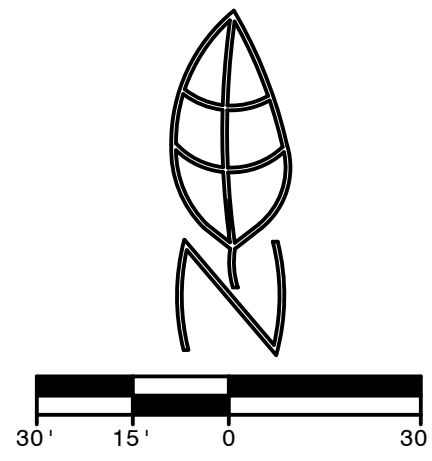
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OF 13 SHEETS

PROJ # 17-PR-1002

DATE	1	2	3	4	5	6
RESUBMITAL TO VILLAGE	6/29/2018	8/15/2018				



ALL VALVES SHALL BE AMERICAN FLOW
OR EAST JORDAN (FLOW MASTER).
ALL SIZES SHOULD BE
RESILIENT-SEATED GATE VALVE

SANITARY STUB LOCATIONS
PER GEOTECH INC. AS-BUILT
DATED 4/07/2003

1. CONTRACTOR IS TO REMOVE ALL EXISTING VALVE BOXES ON SERVICES TO BE ABANDONED.
2. EXISTING WATER SERVICE TO BE ABANDONED IS TO BE BACKFILLED WITH CLSM AND CAPPED AT BOTH ENDS
3. ALL SANITARY CROSSINGS WITH WATER SERVICE ARE TO BE CONSTRUCTED OF C-900 PIPE AT LEAST 10' ON EACH SIDE OF CROSSING.
4. EXISTING SANITARY STUBS TO BE ABANDONED SHALL HAVE THE CONNECTION TERMINATED WITH THE INSTALLATION OF CIPP SPOT LINER. THE CIPP SHALL EXTEND 10' ON EITHER SIDE OF THE STUB. THE EXISTING SADDLE SHALL BE REMOVED FROM THE MAIN.

LIMITS OF TRENCH BACKFILL

DATE	1	2	3	4	5	6
RESUBMITAL TO VILLAGE	6/29/2018	8/15/2018				

UTILITIES PLAN

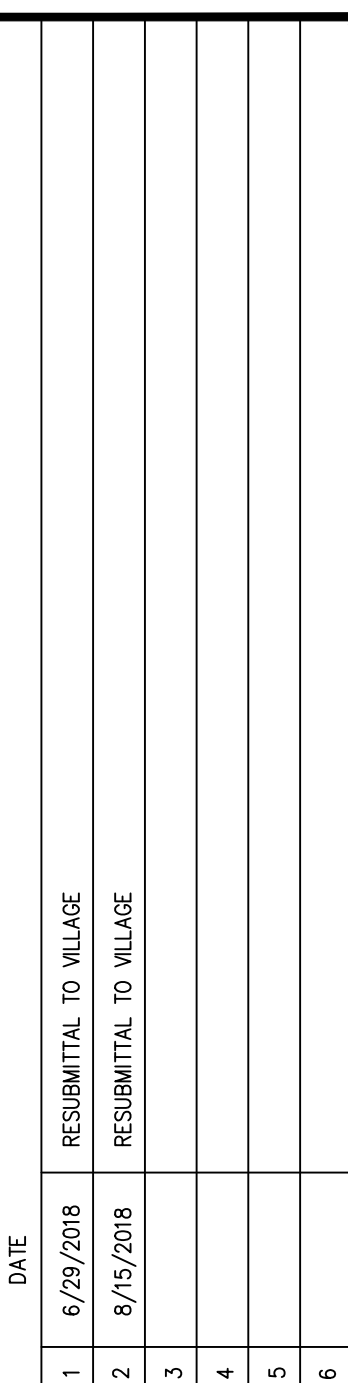
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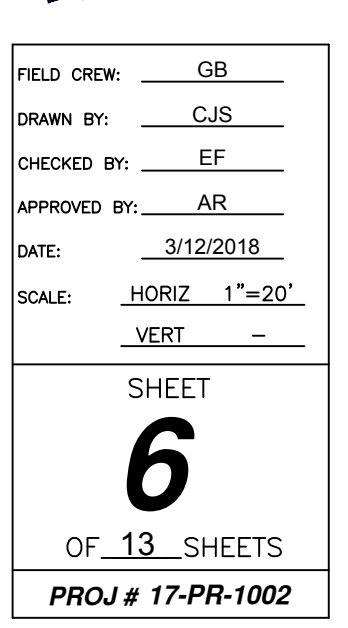


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OF 13 SHEETS
PROJ # 17-PR-1002



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PLANT SCHEDULE						
	Shrubs	Qty	Botanical Name	Common Name	Cont	Cal
☐	TE	30	<i>Taxus media</i> Everlow	Everlow Yew	5	gal
○	HC	16	<i>Hydrangea macrophylla</i> 'Mckay'	Cherry Explosion Hydrangea	5	gal
⊙	GM	8	<i>Spiraea x bumalda</i> 'Goldmound'	Goldmound Spiraea	3	gal
○	DK	10	<i>Rosa</i> 'Double Knockout'	Double Knockout Rose	2	gal
⊙	KS	12	<i>Viburnum coccineum</i>	Koreanspice Viburnum	B & B	30"
	Perennials	Qty	Botanical Name	Common Name	Cont	Cal
✱	KF	9	<i>Calamagrostis acutiflora</i>	Feather Reed Grass	1	gal
☼	SW	6	<i>Panicum virgatum</i>	Shenandoah Switch Grass	1	gal
⊙	CM	8	<i>Nepeta x faassennii</i>	Blue Wonder Catmint	1	gal
⊙	CB	36	<i>Heuchera micrantha</i> 'Carmel'	Carmel Coral Belts	1	gal
○	HR	96	<i>Heimericallis x Happy Returns</i>	Happy Returns Daylily	1	gal

Swale Bottom Plug list	
<u>Scientific Name</u>	<u>Common Name</u>
<i>Aster novae-angliae</i>	New England Aster
<i>Aster simplex</i>	Panicled Aster
<i>Calamagrostis canadensis</i>	Blue Joint Grass
<i>Carex annectans xanthocarpa</i>	Yellow Sedge
<i>Carex bebbii</i>	Bebb's Sedge
<i>Carex bicknellii</i>	Bicknell's Sedge
<i>Carex lupuliformis</i>	Knotted Hop Sedge
<i>Carex stipata</i>	Awl-fruited Sedge
<i>Carex vulpinoidea</i>	Fox Sedge
<i>Eupatorium perfoliatum</i>	Common Boneset
<i>Glyceria striata</i>	Flag Manna Grass
<i>Iris virginica</i>	Blue Flag
<i>Juncus bulbosus littoralis</i>	Lake Shore Rush
<i>Juncus torreyi</i>	Torrey's Rush
<i>Leersia oryzoides</i>	Rice Cut Grass
<i>Mimulus ringens</i>	Monkey Flower
<i>Panicum virgatum</i>	Switch Grass
<i>Physocarpus virginiana</i>	False Dragonhead
<i>Ratibida pinnata</i>	Yellow Coneflower
<i>Scirpus atrovirens</i>	Dark Green Rush
<i>Silphium perfoliatum</i>	Cup Plant
<i>Solidago rigida</i>	Riddell's Goldenrod
<i>Solidago rigida</i>	Stiff Goldenrod
<i>Veronica hastata</i>	Blue Vervain
<i>Veronica fasciculata</i>	Common Ironweed
<i>Zizia aurea</i>	Golden Alexander

Plant on 12 to 18 inch centers.

No species should comprise more than 10% of the plugs.

Plugs should be GT-35 or equivalent.

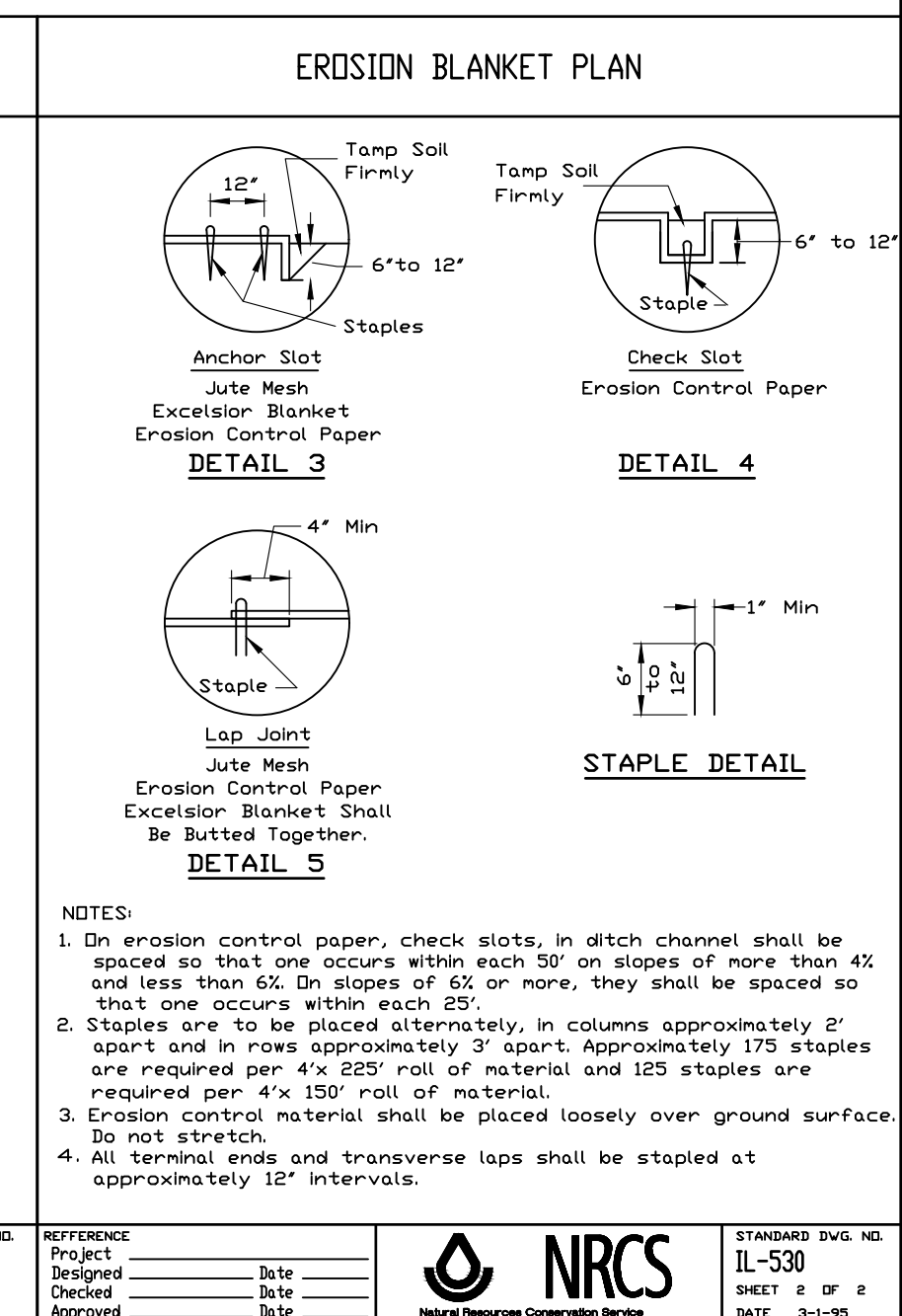
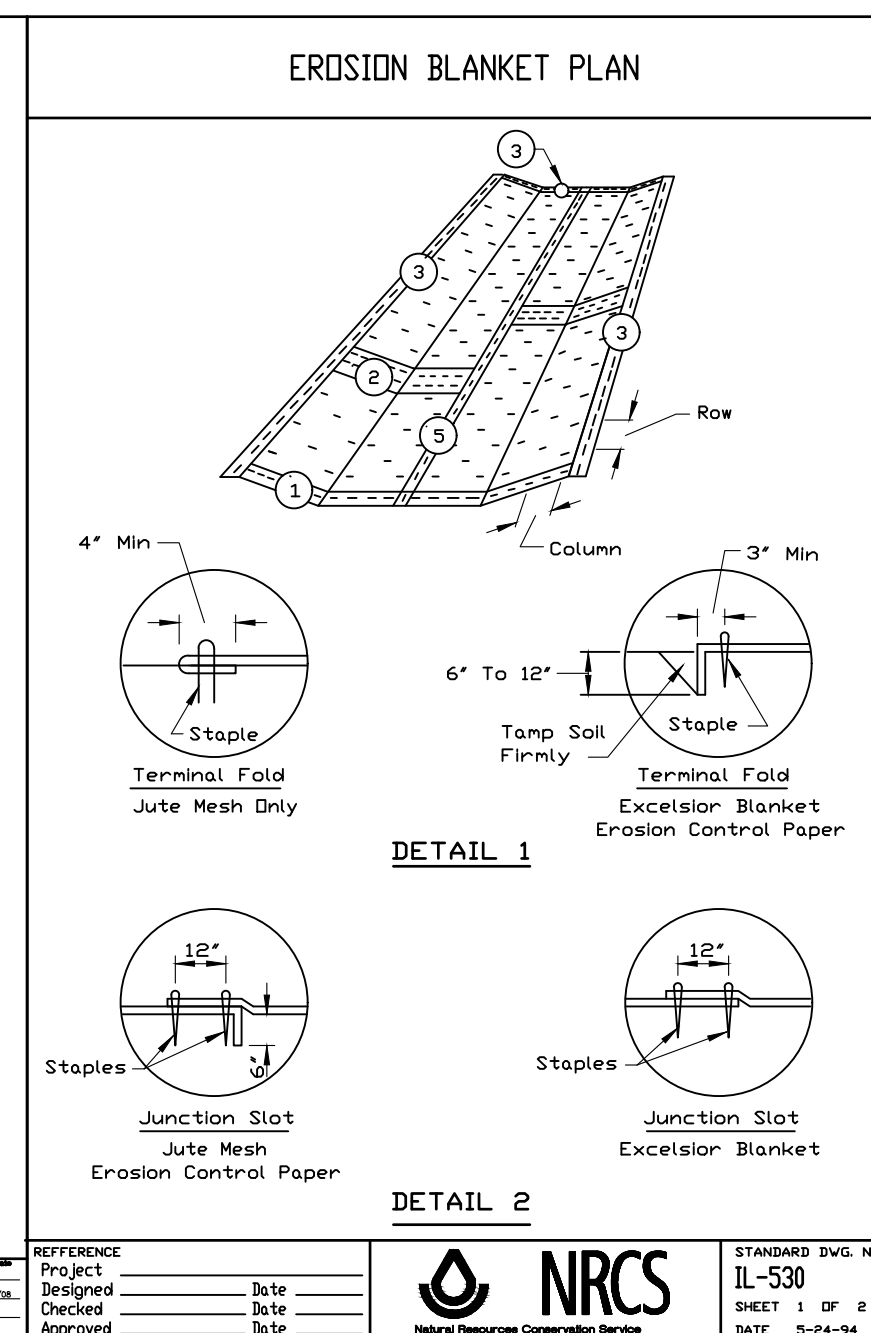
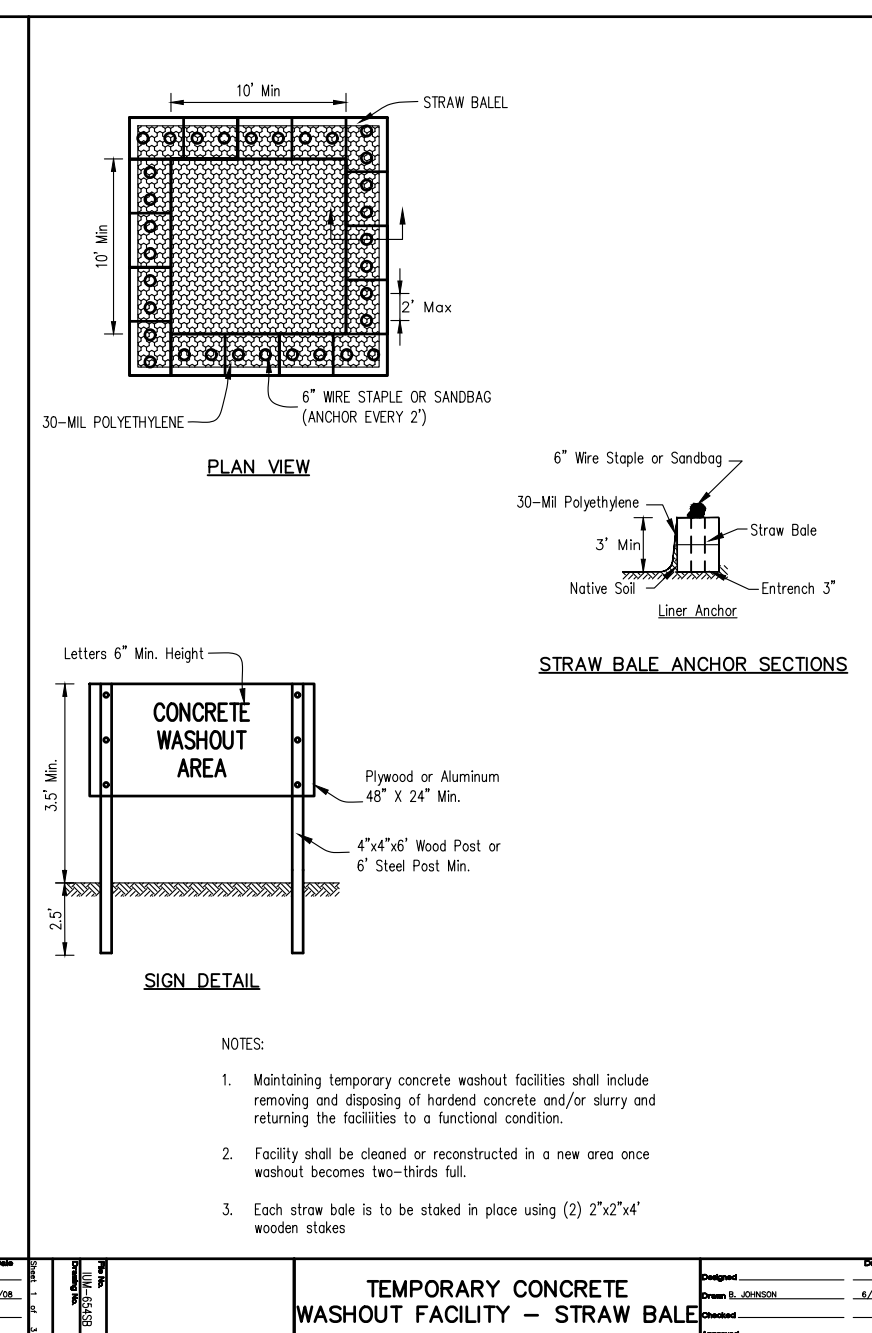
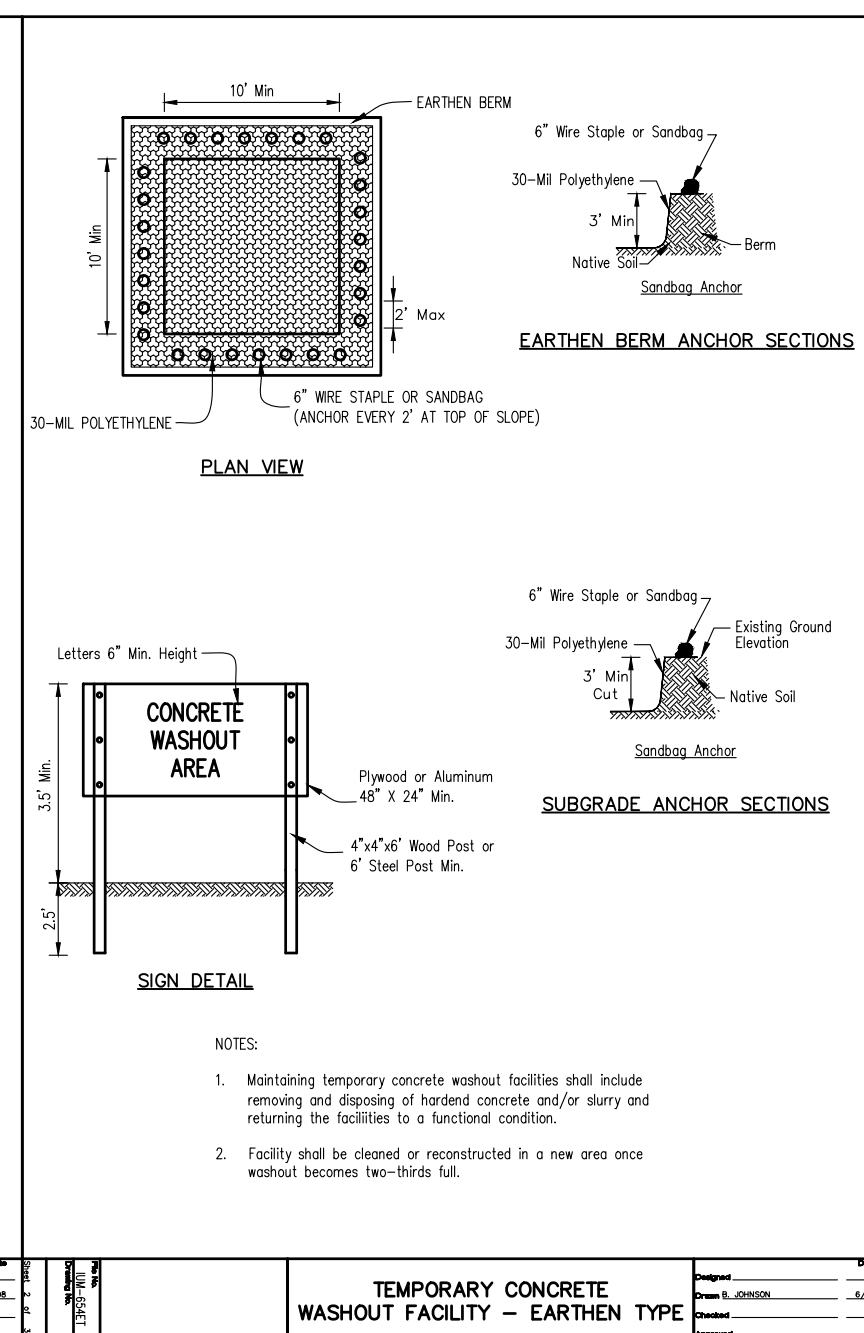
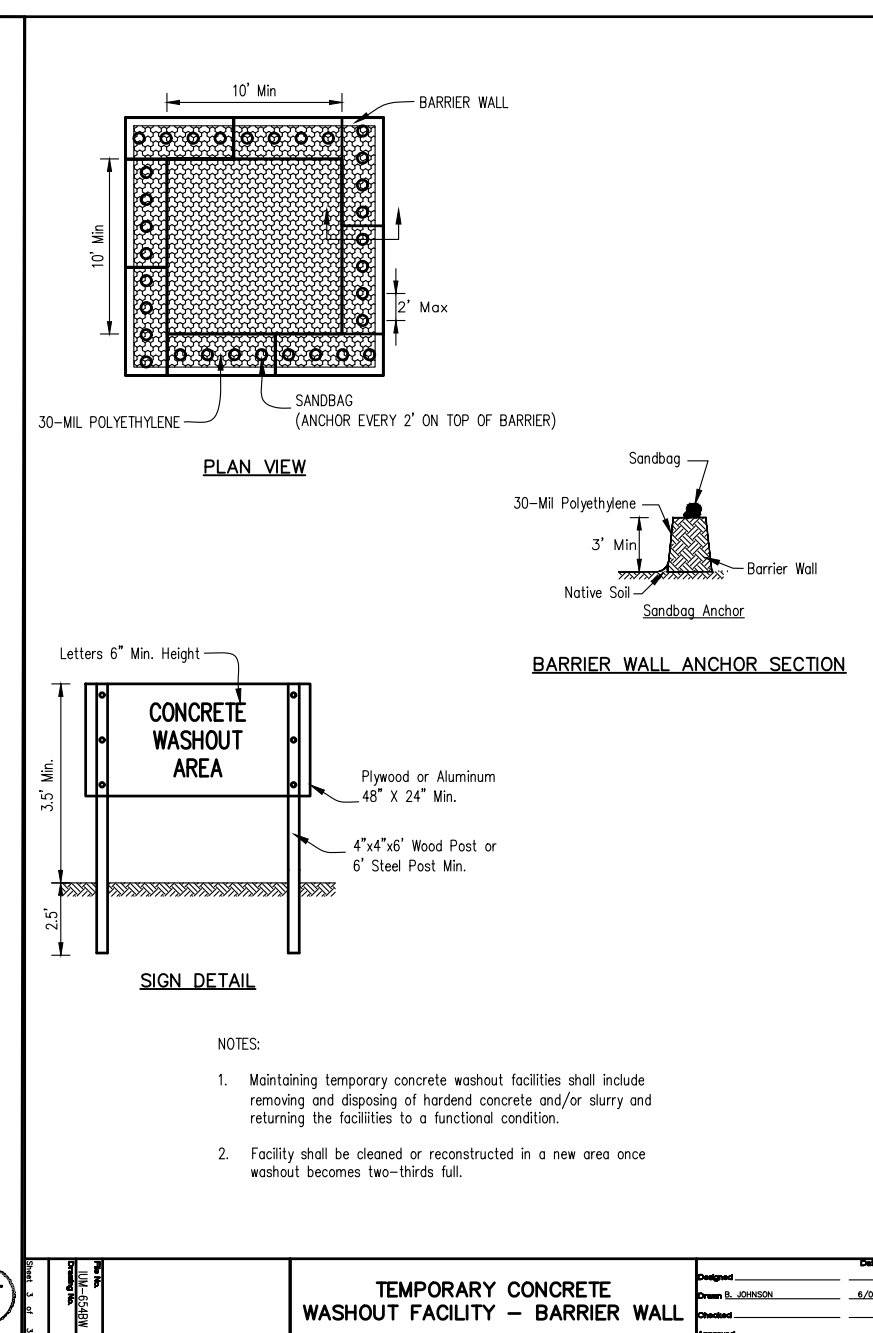
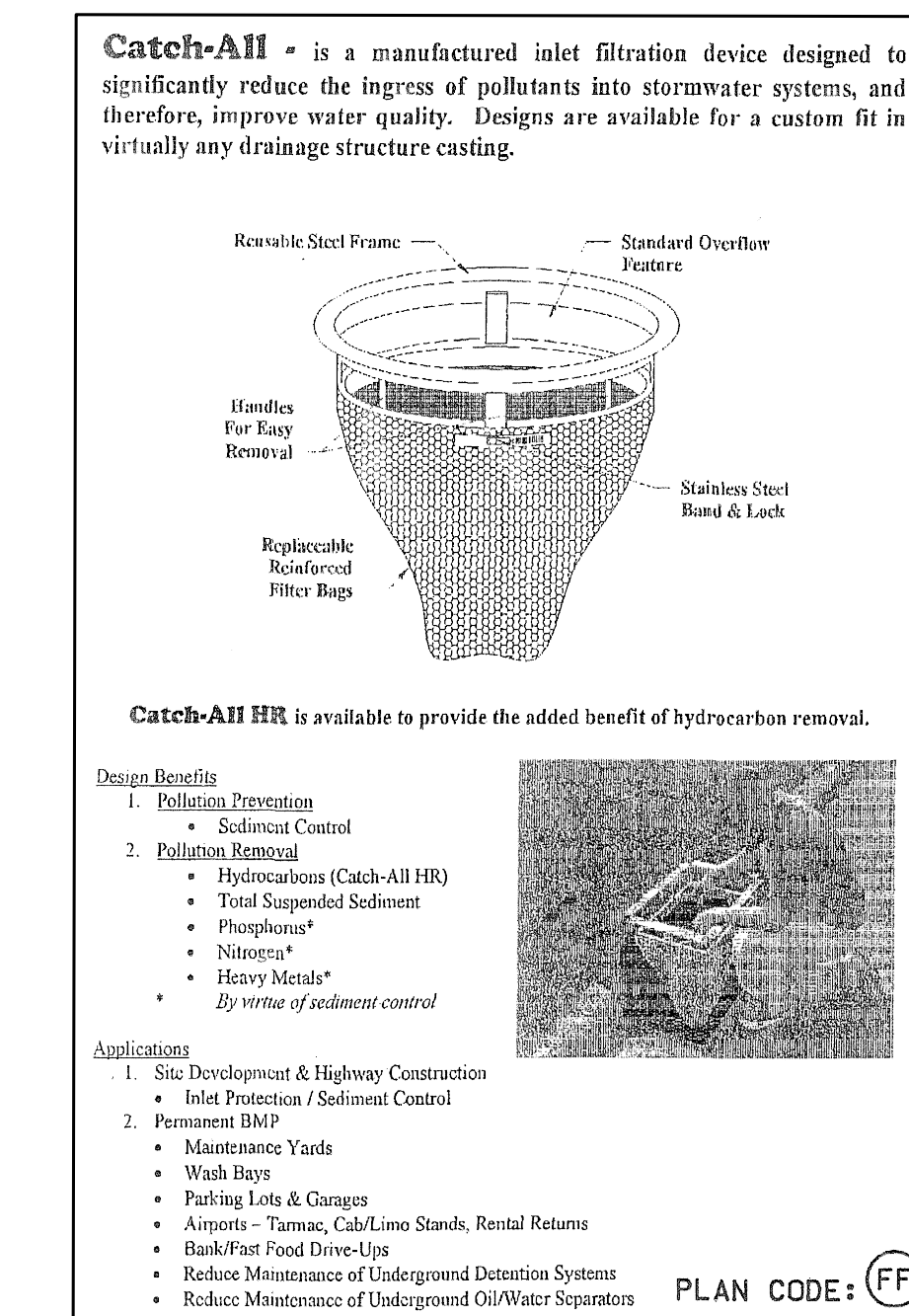
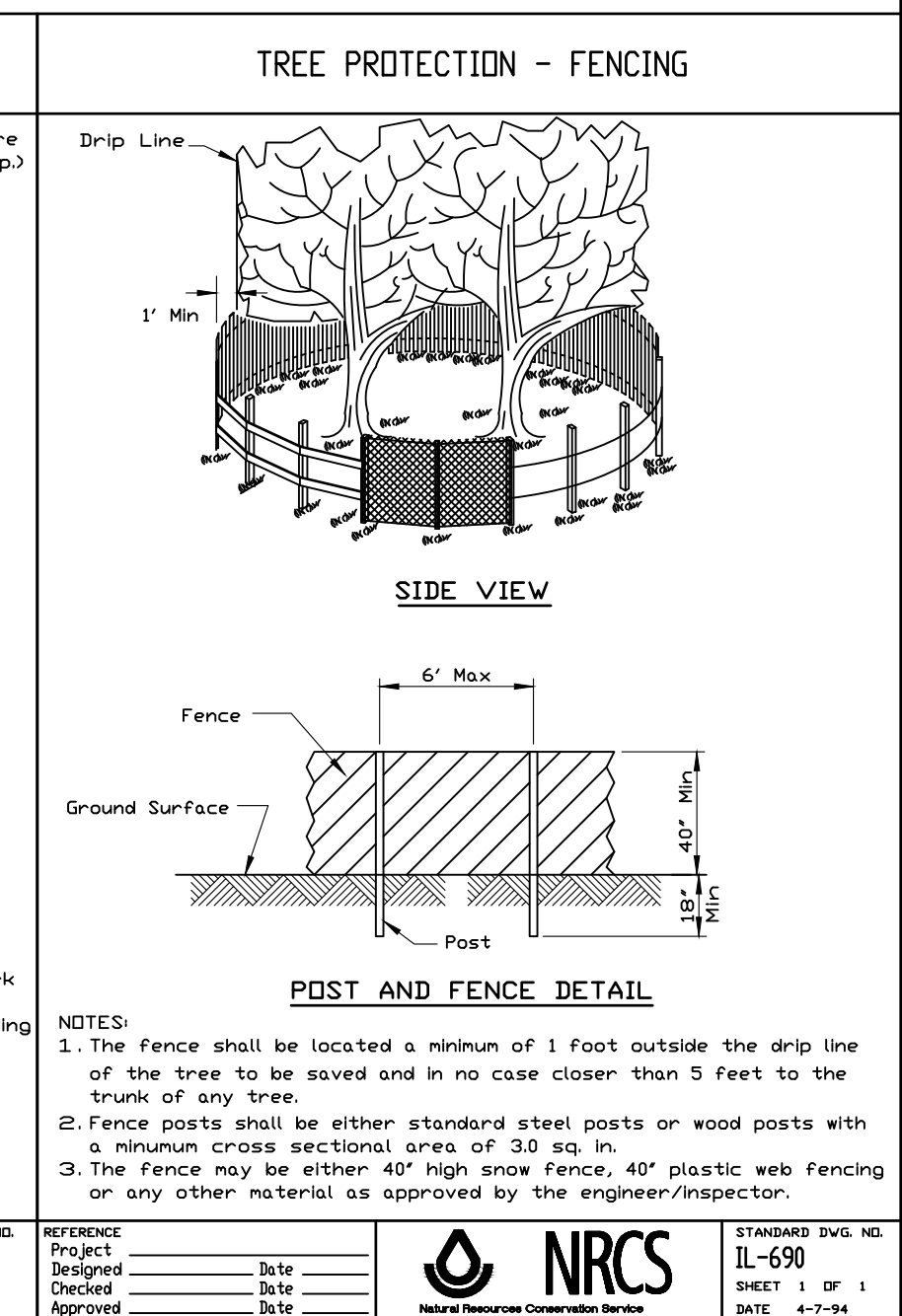
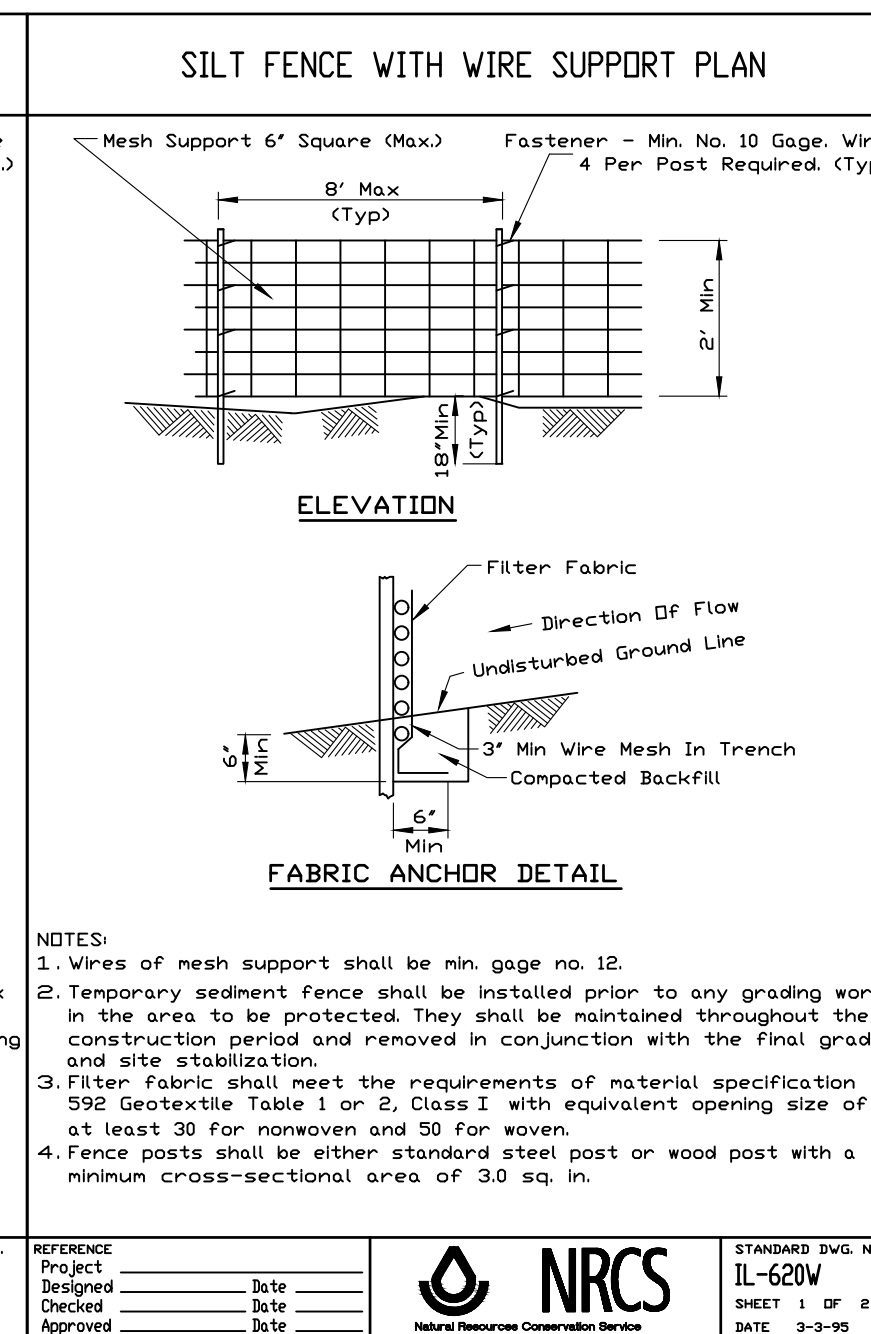
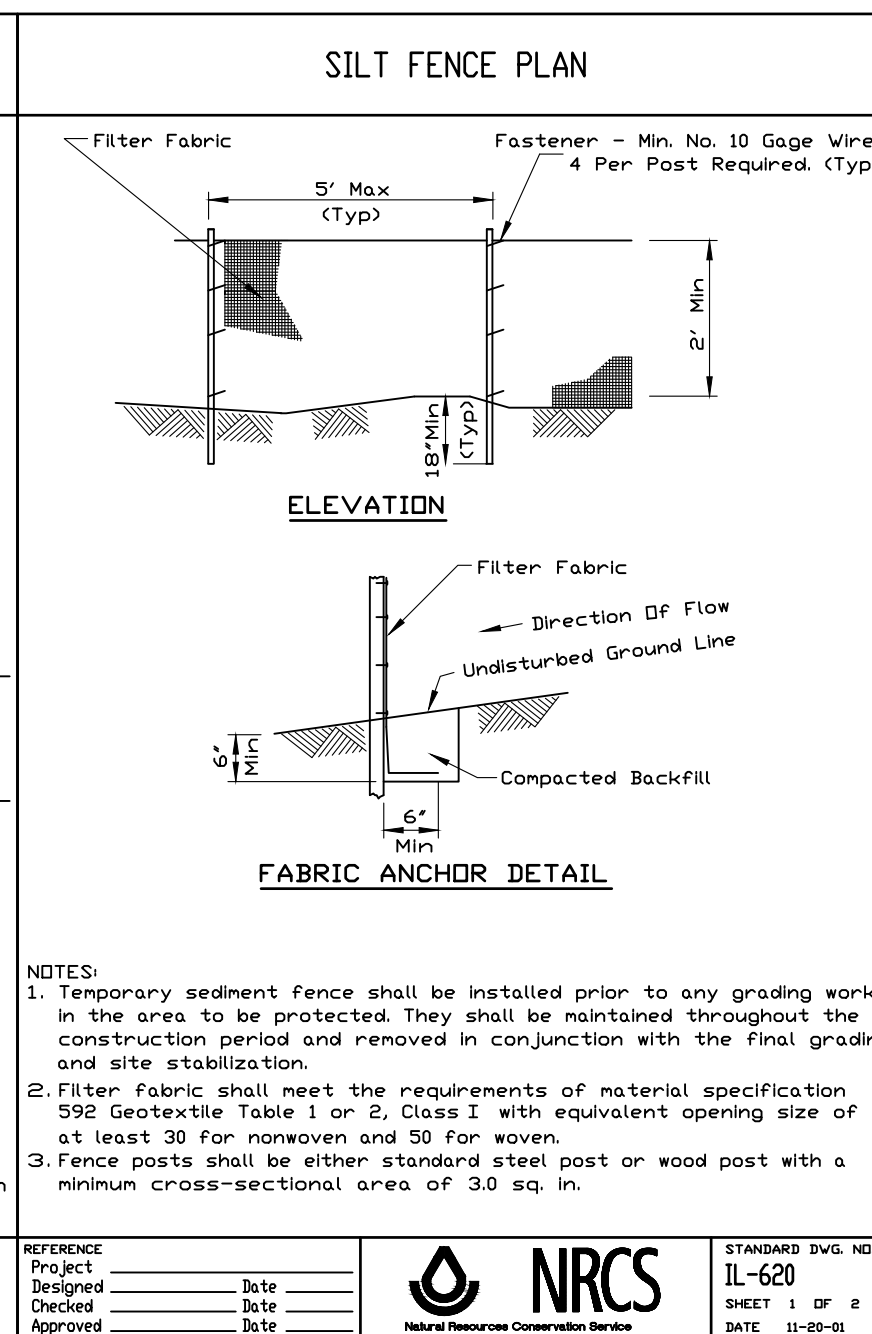
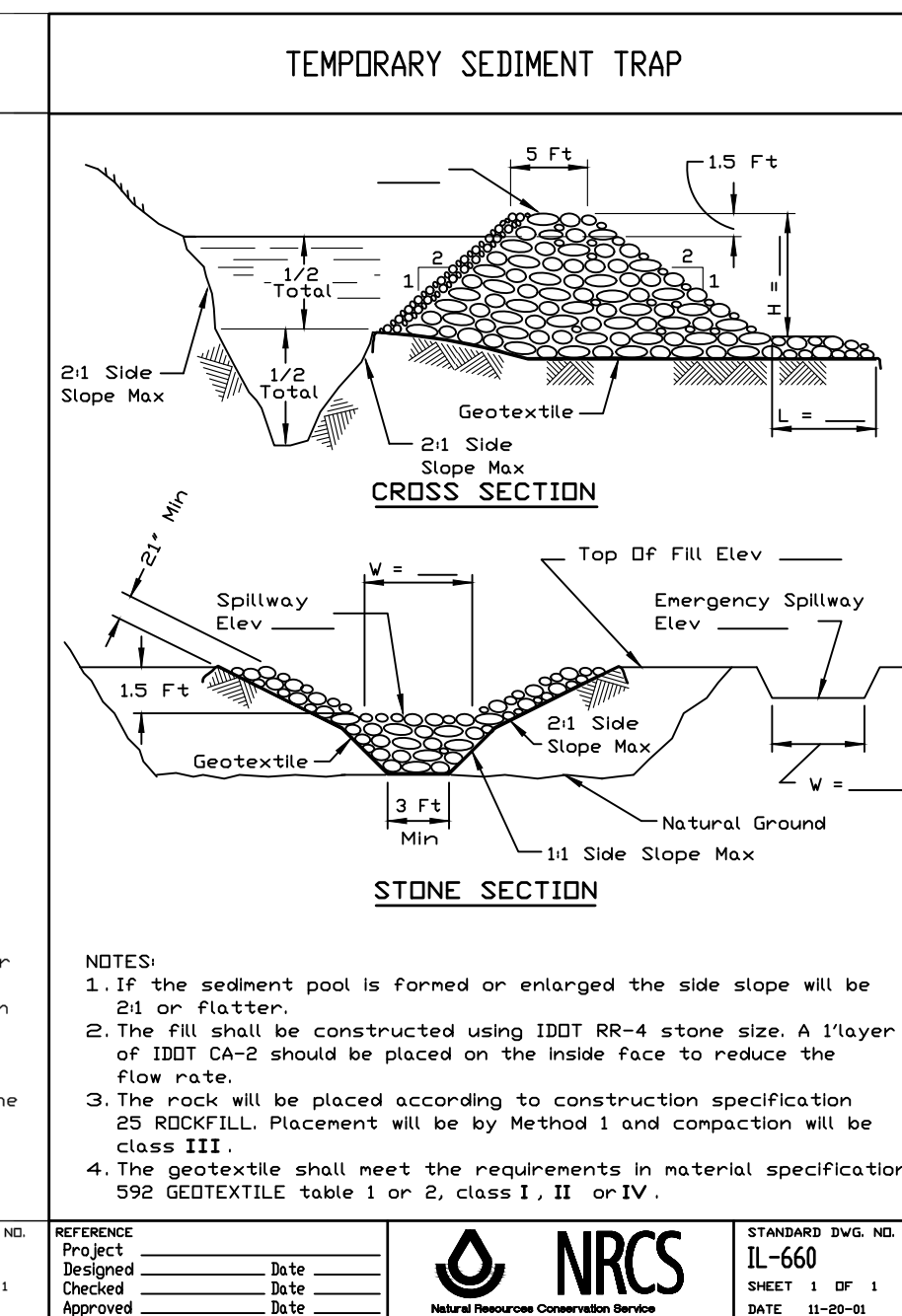
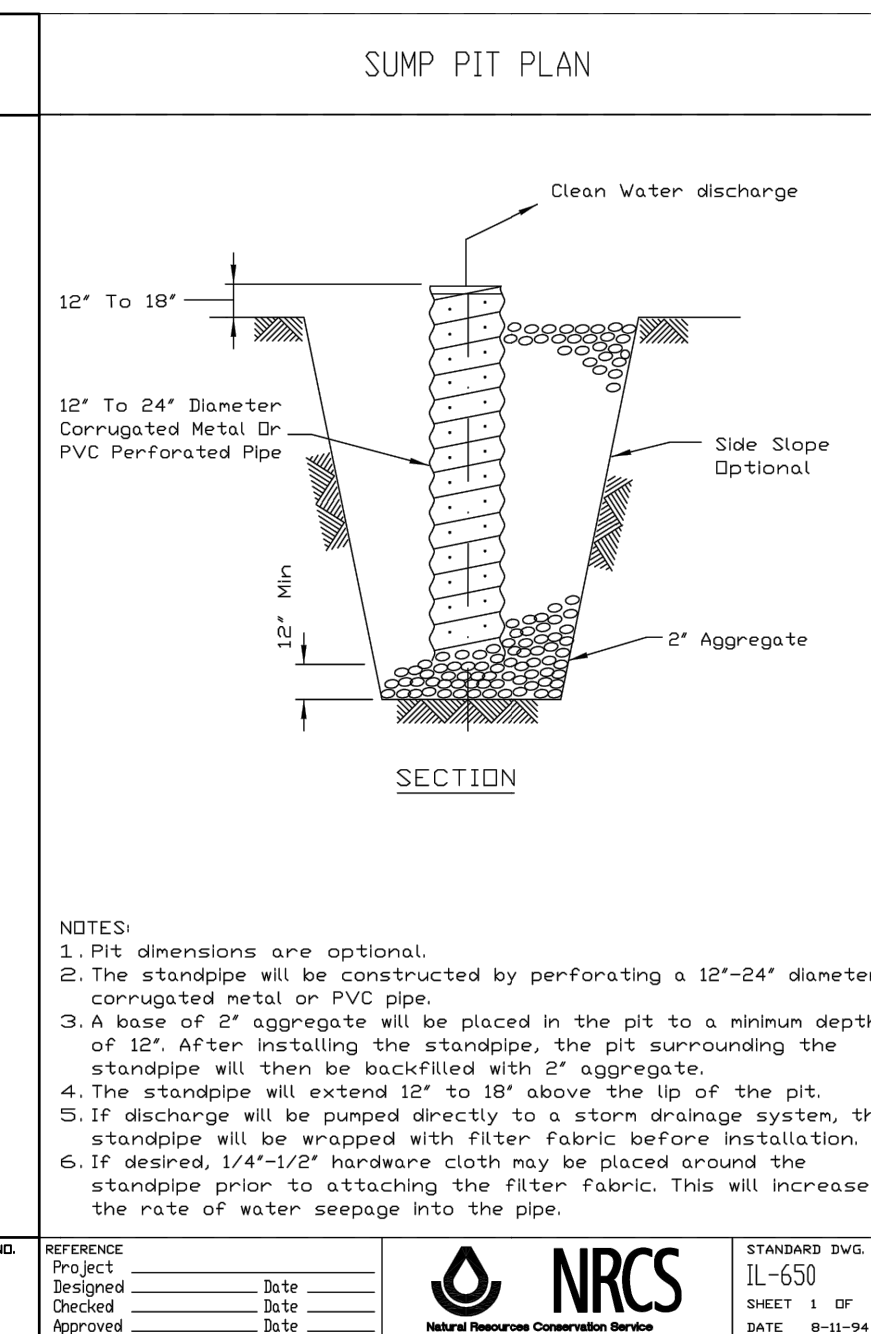
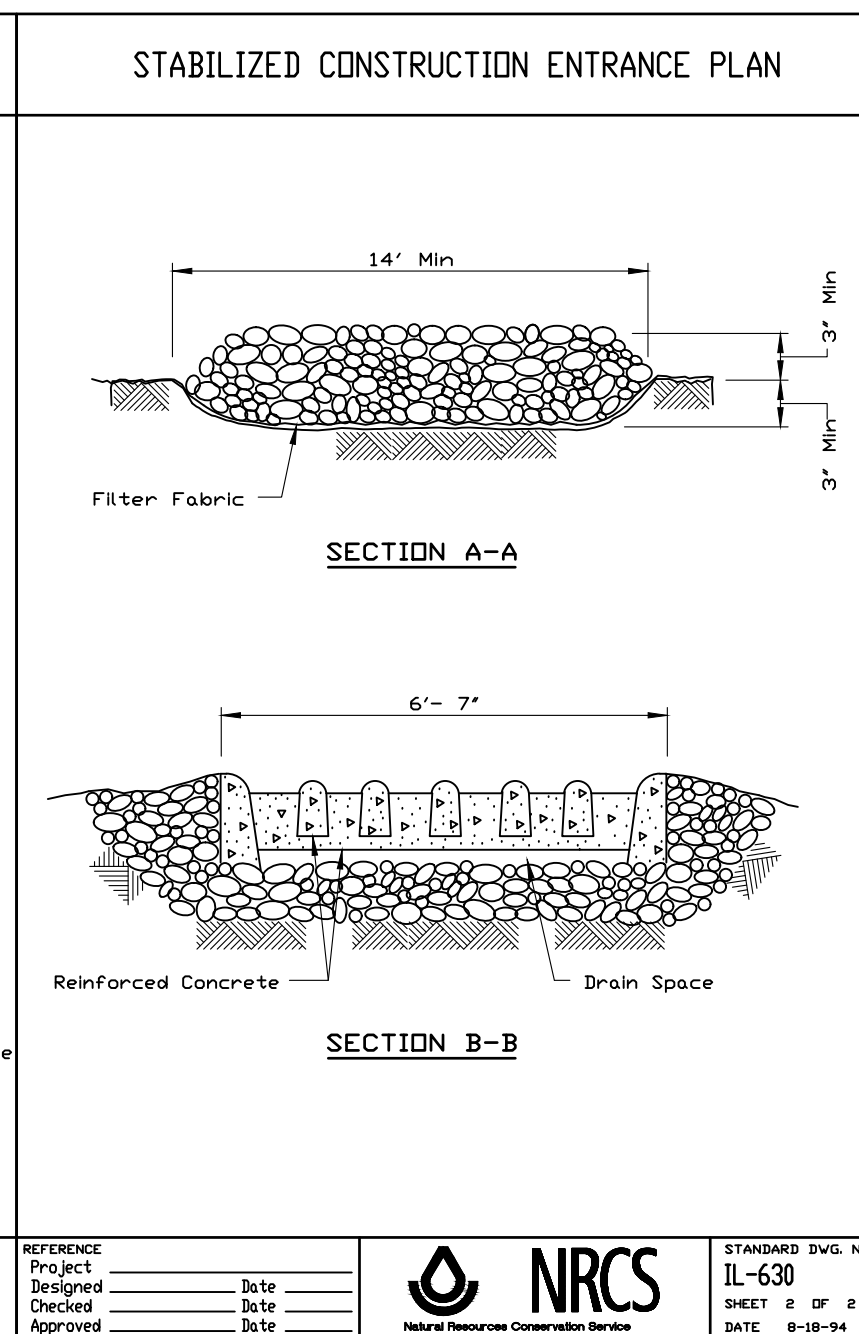
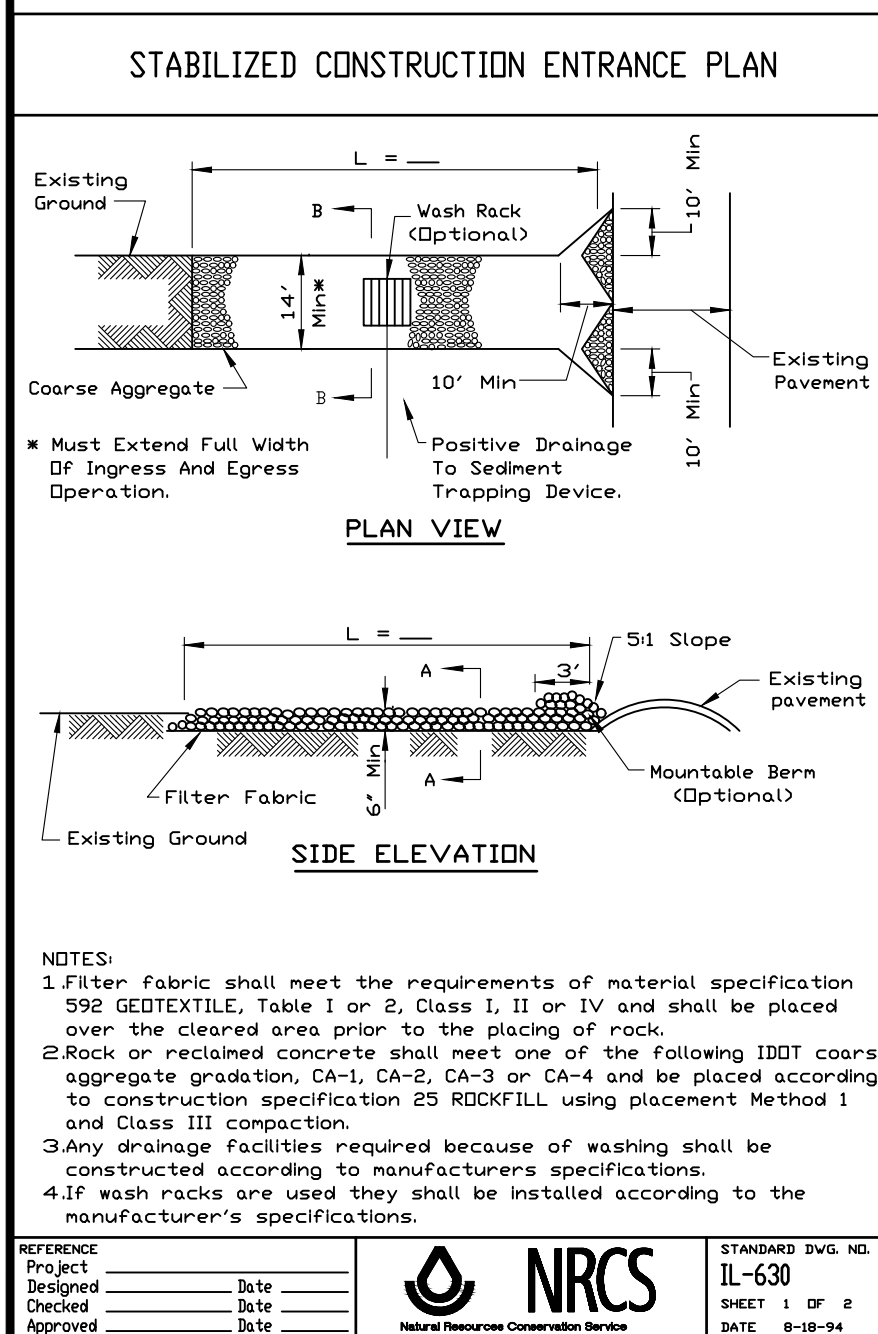
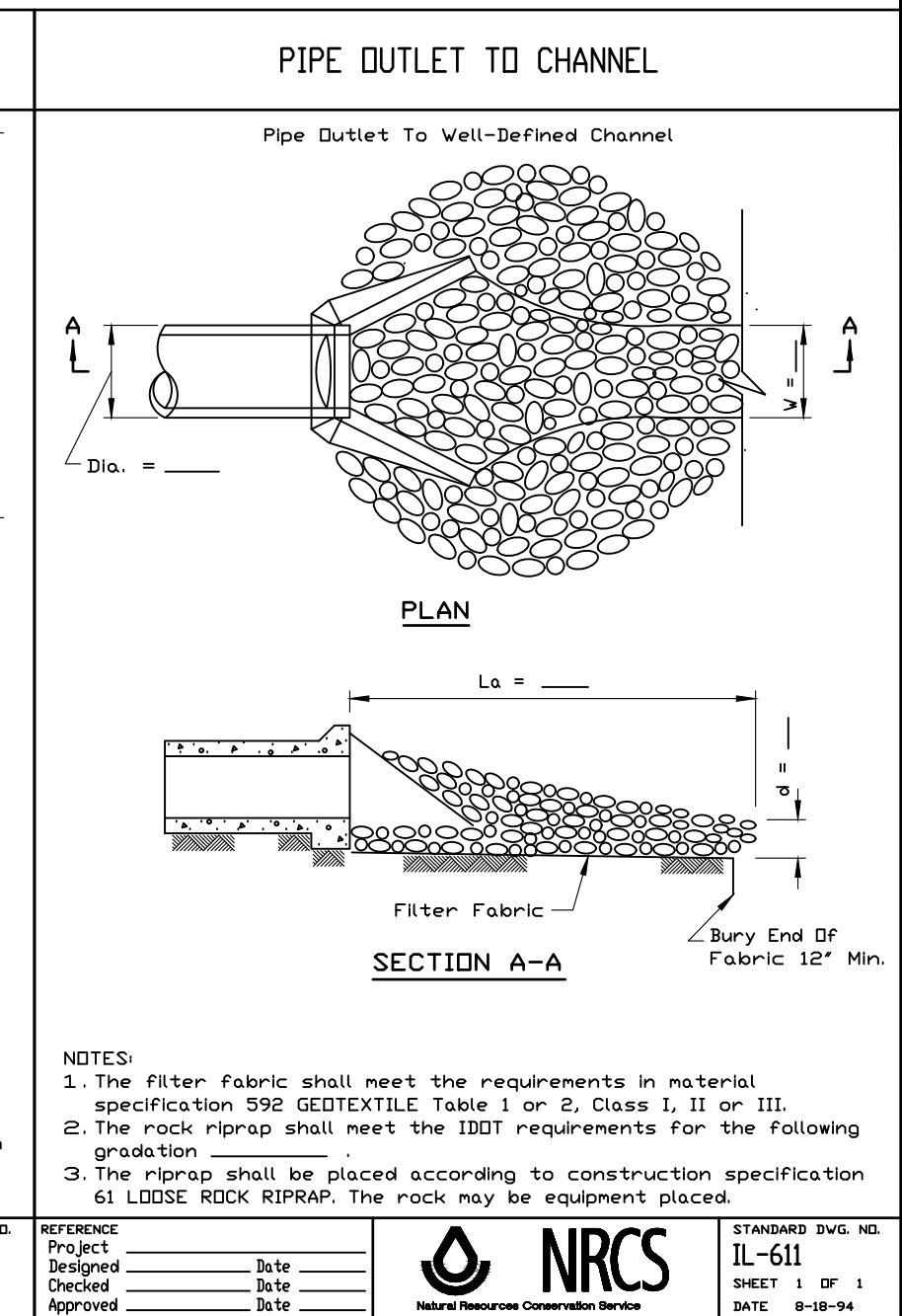
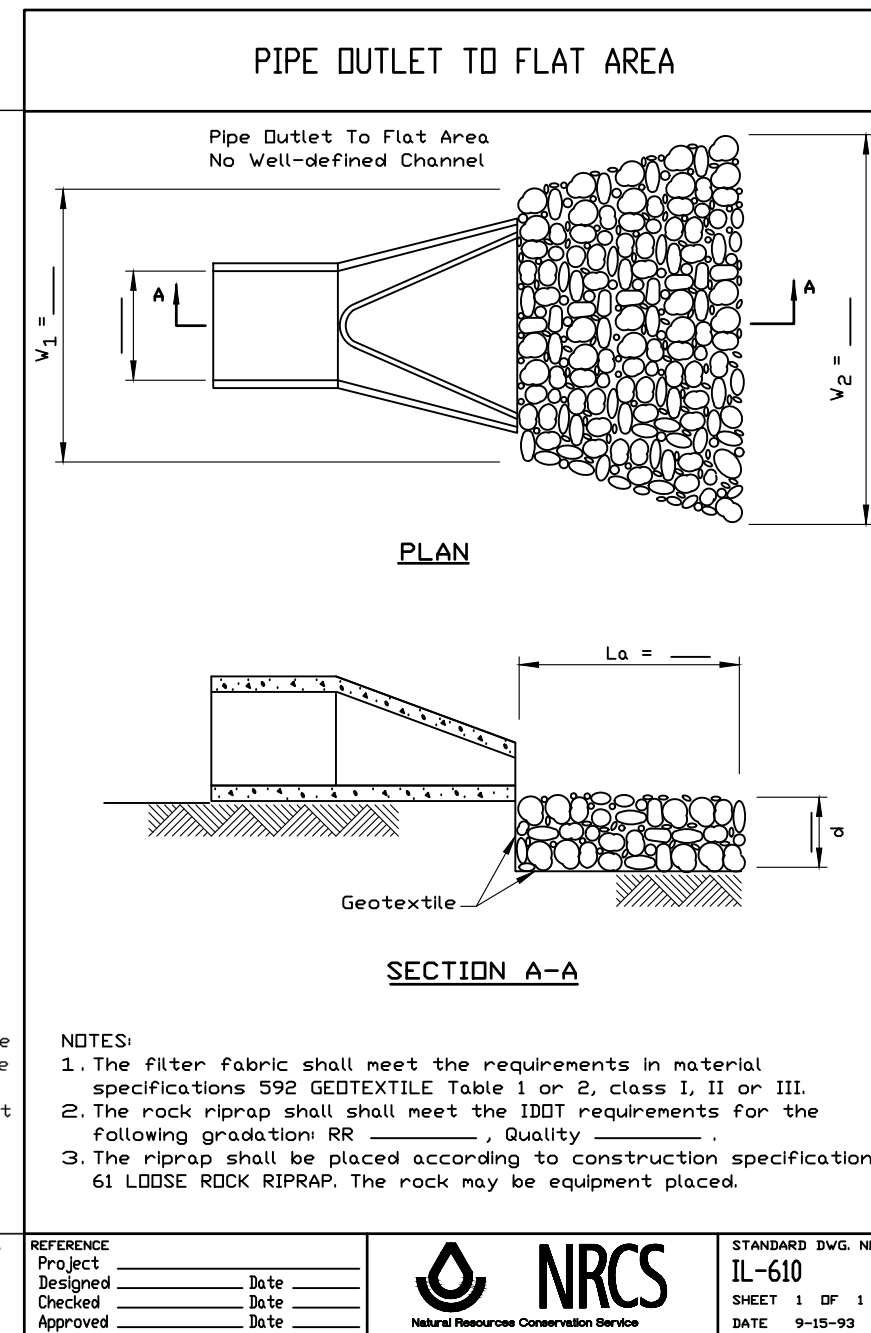
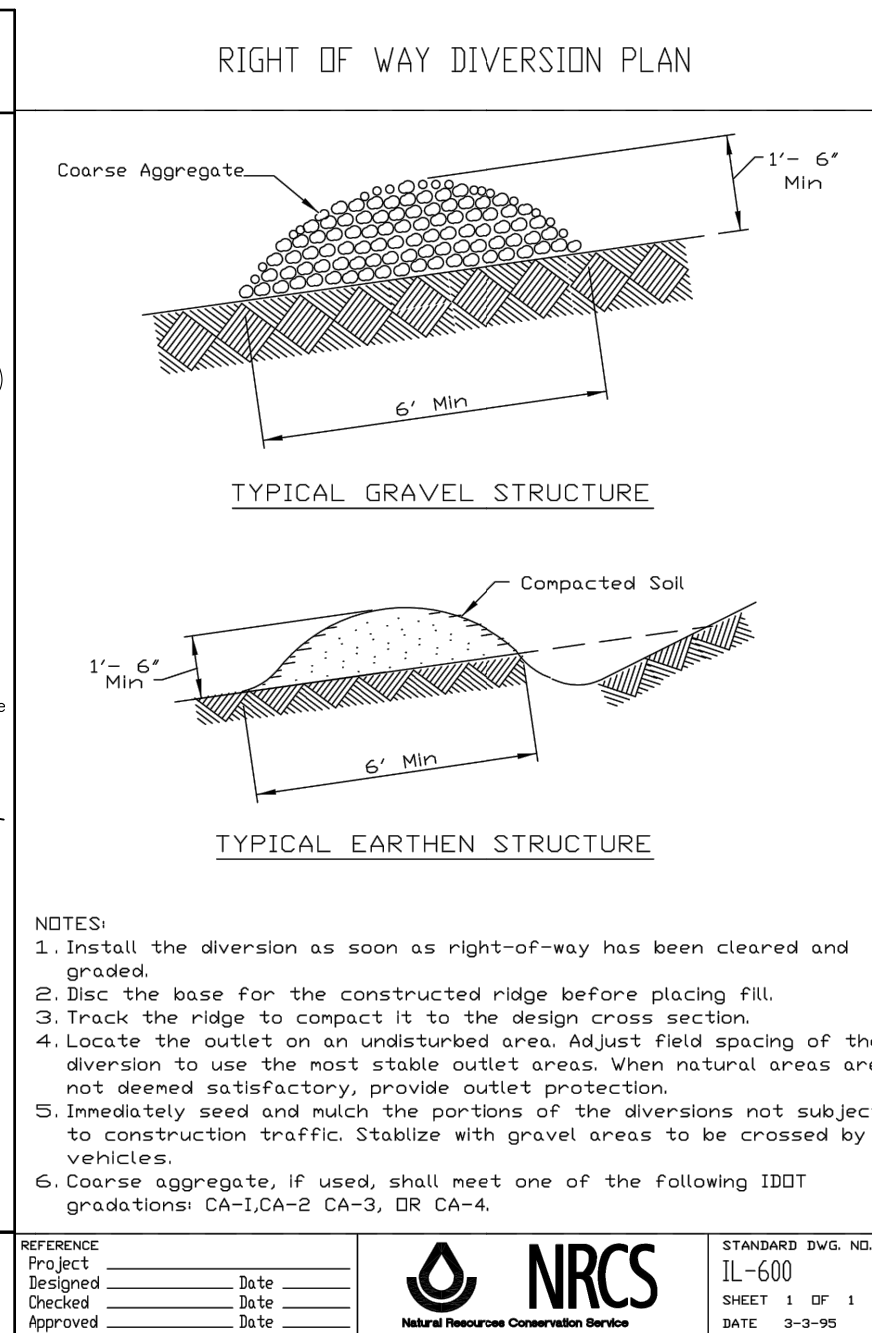
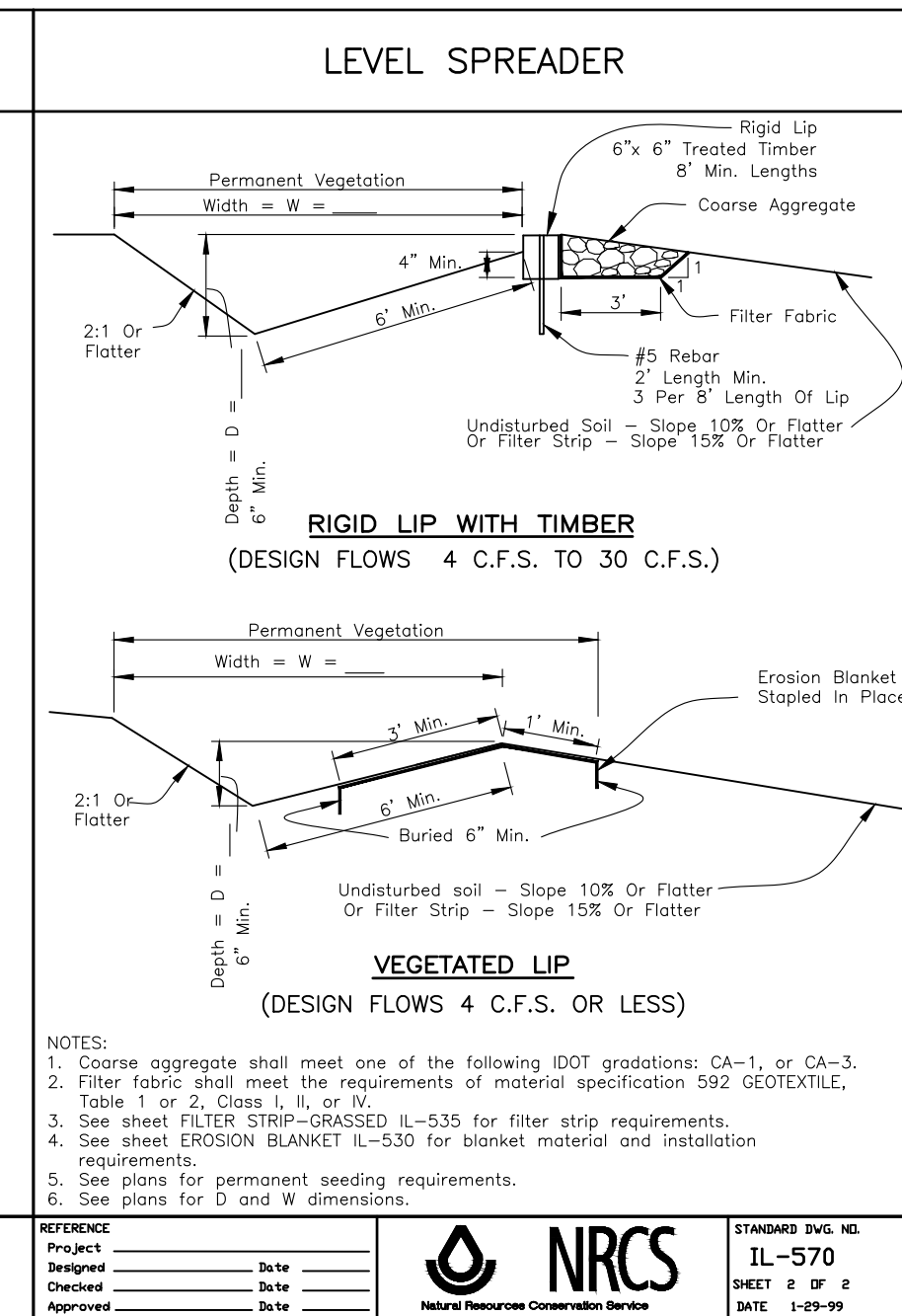
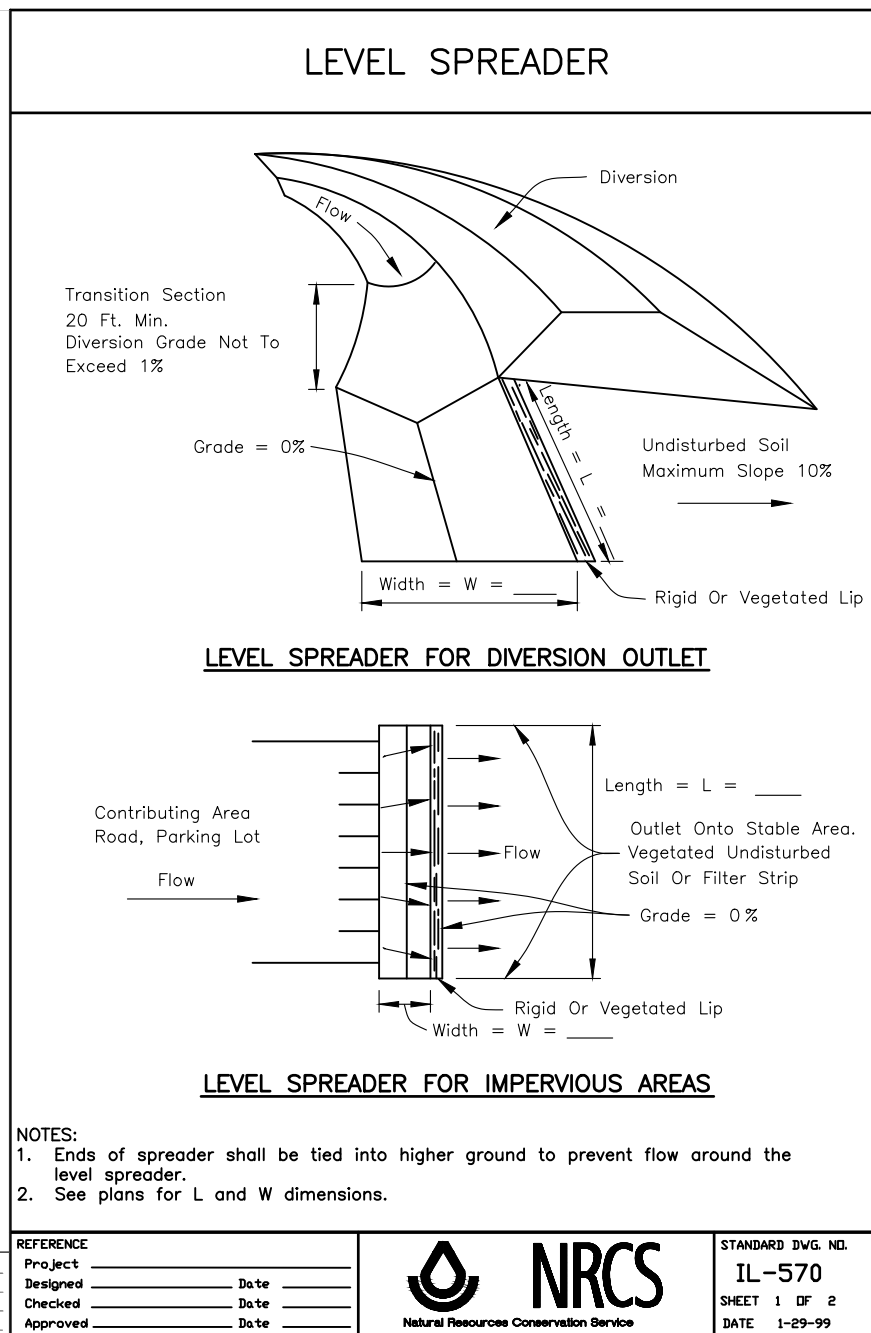
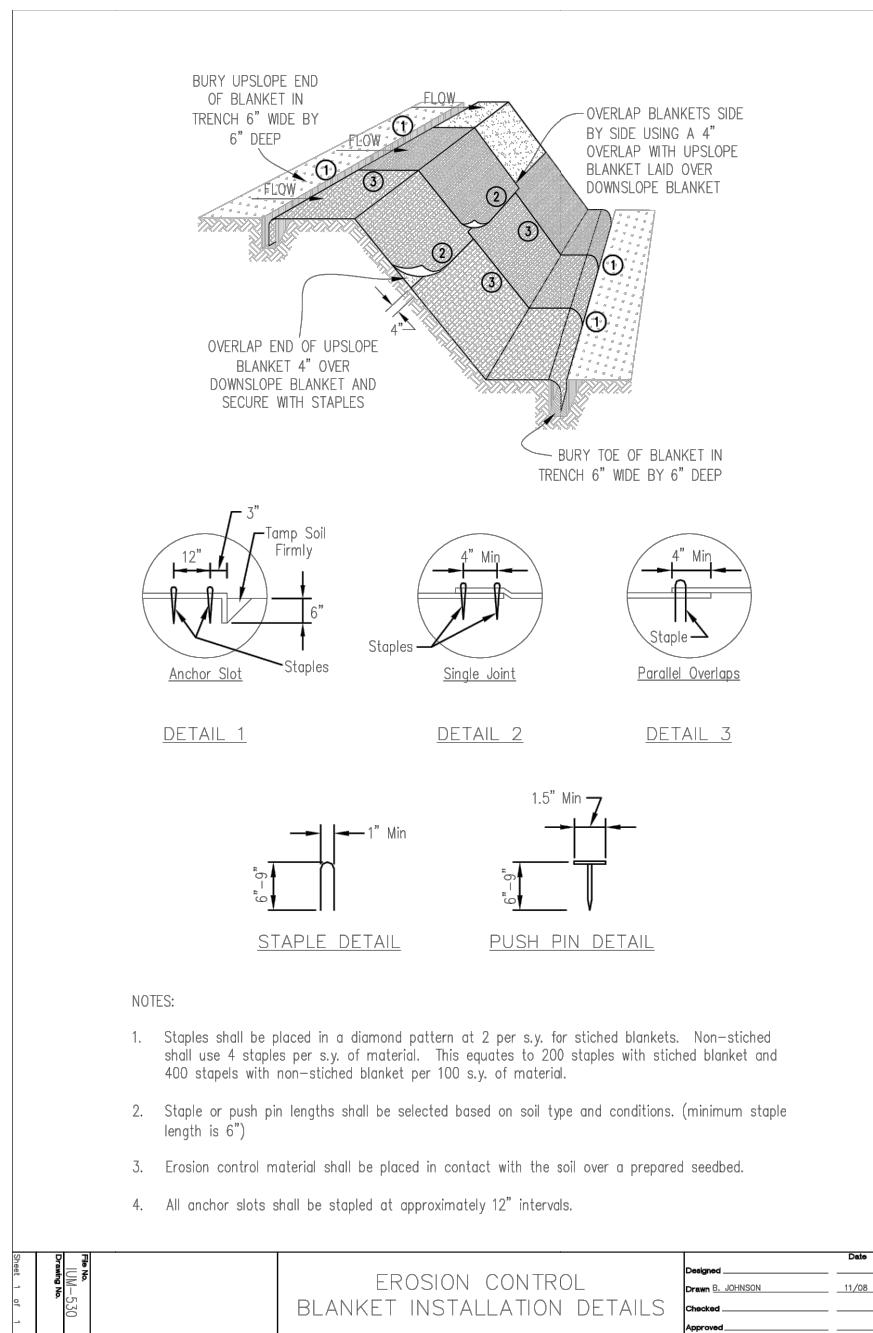
BIOSWALE SEEDING		
	Botanical Name Panicum virgatum	Common Name Heavy Metal Switch Grass

NOTE

SEE DETAIL SHEET FOR TREE AND SHRUB PLANTING DETAILS,
FENCE DETAIL AND CMU WALL DETAIL.

LANDSCAPE DESIGN BY:





EROSION CONTROL PLAN

CHICAGO TUBE DRIVE

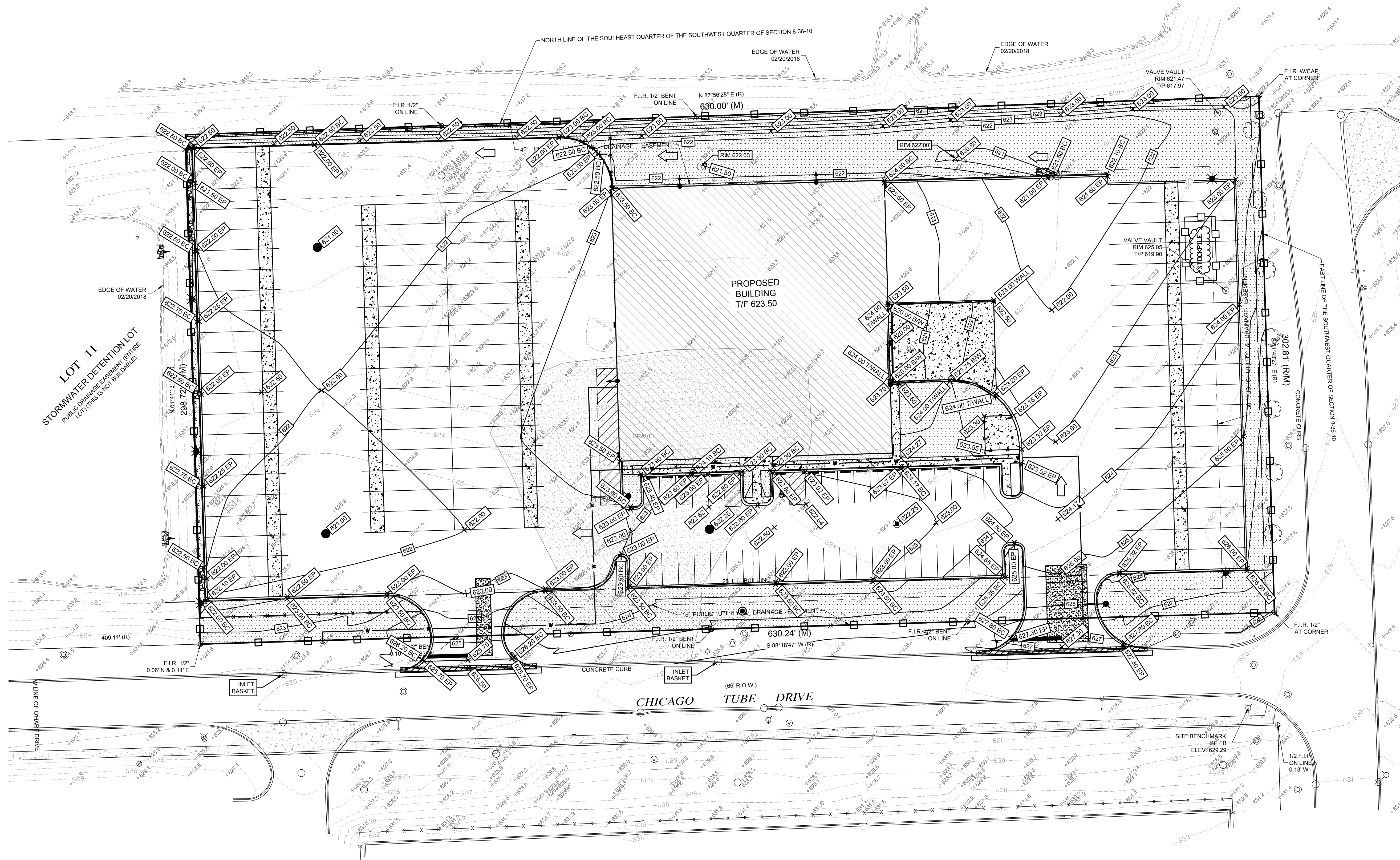
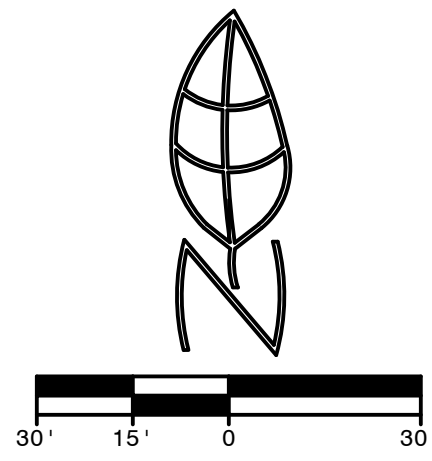
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VERT -
SHEET 8 OF 13 SHEETS
PROJ # 17-PR-1002

EROSION CONTROL BLANKET
STABILIZED CONSTRUCTION ENTRANCE
SILT FENCE



NOTES

1. CONTRACTOR SHALL COORDINATE FINAL STABILIZATION WITH LANDSCAPE ARCHITECT PLANS.
2. CONTRACTOR SHALL FIELD DETERMINE LOCATION OF CONCRETE WASHOUT.
3. NORTH AMERICAN GREEN S-75 EROSION CONTROL BLANKET SHALL BE INSTALLED IN ALL AREAS WHERE SLOPE IS GREATER THAN 6:1.
4. GREEN SPACE SHALL BE FINISHED WITH 6" TOPSOIL, SEED AND BLANKET.
5. ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION ENTRANCE.
6. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTION.
7. MAJOR AMENDMENTS OF THE SITE DEVELOPMENT OR EROSION AND SEDIMENTATION CONTROL PLANS SHALL BE SUBMITTED TO THE DEPARTMENT OF COMMUNITY DEVELOPMENT TO BE APPROVED IN THE SAME MANNER AS THE ORIGINAL PLANS.
8. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY SHOVELING OR STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH WORKDAY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL.
9. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER THE FINAL SITE STABILIZATION IS ACHIEVED WITH PERMANENT SOIL STABILIZATION MEASURES.
10. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS FOLLOWING THE END OF ACTIVE DISTURBANCE OR REDISTURBANCE.
11. IF DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION, ALL PUMPED DISCHARGES SHALL BE ROUTED THROUGH APPROPRIATELY DESIGNED SEDIMENT TRAPS OR BASINS.
12. ALL INLETS AND CATCH BASINS ARE TO BE PROTECTED UPON INSTALLATION.

EROSION CONTROL PLAN

CHICAGO TUBE DRIVE
ROMEIOVILLE, ILLINOIS

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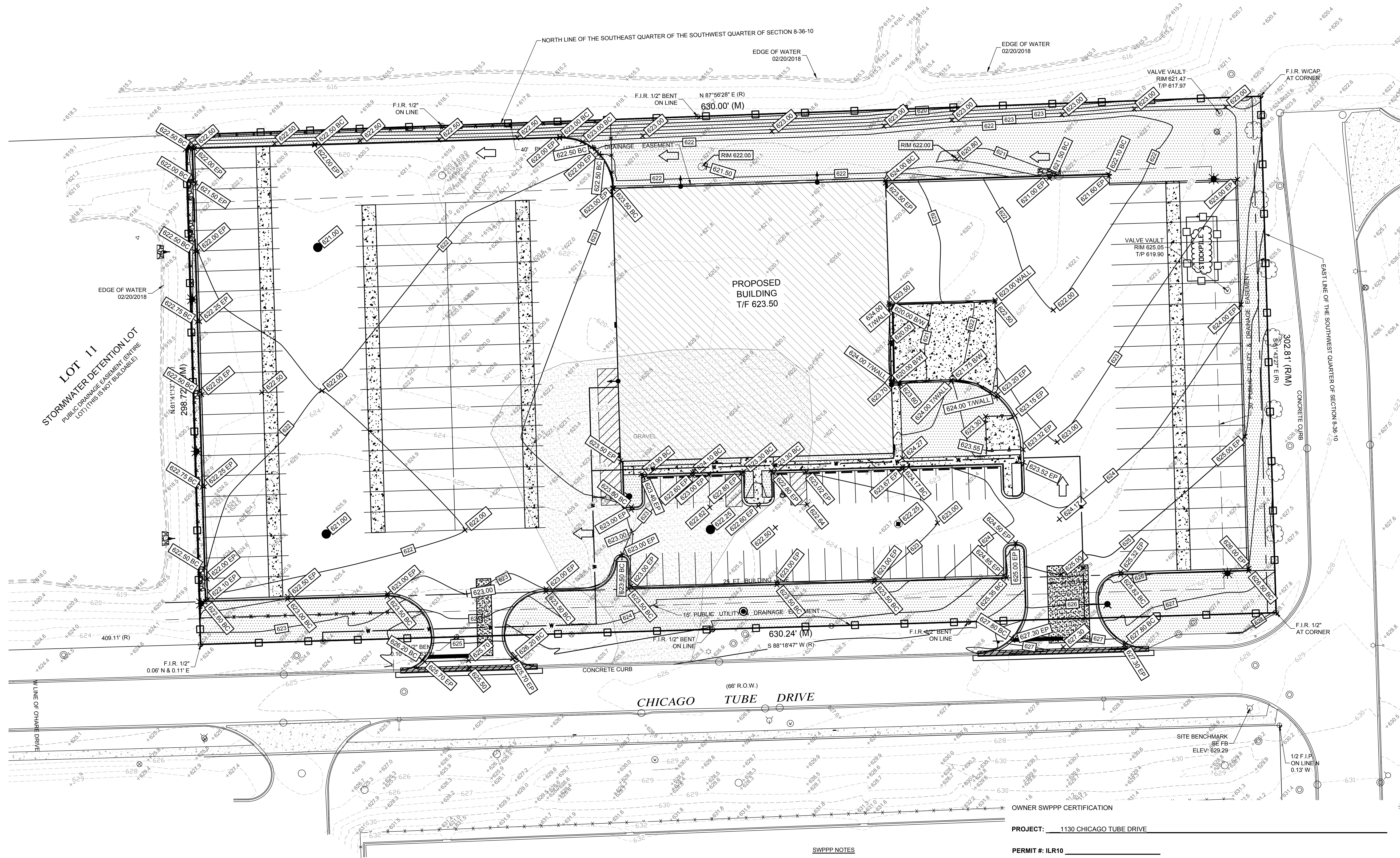


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APPROVED BY: AR
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PROJ # 17-PR-1002

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NOTES

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- GREEN SPACE SHALL BE FINISHED WITH 6" TOPSOIL, SEED AND BLANKET.
- ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION ENTRANCE.
- ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTION. INSPECTION OF ALL EROSION CONTROL DEVICES SHALL OCCUR ON A WEEKLY BASIS AND AFTER 0.5" OF RAIN HAS FALLEN IN A 24 HOUR PERIOD. ALL INLET BASKETS THAT ARE GREATER THAN 25% FULL OF DEBRIS MUST BE CLEANED OUT. ALL SILT FENCE MUST BE KEPT FREE OF DEBRIS.
- MAJOR AMENDMENTS OF THE SITE DEVELOPMENT OR EROSION AND SEDIMENTATION CONTROL PLANS SHALL BE SUBMITTED TO THE DEPARTMENT OF COMMUNITY DEVELOPMENT TO BE APPROVED IN THE SAME MANNER AS THE ORIGINAL PLANS.
- ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY SHOVELING OR STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH WORKDAY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER THE FINAL SITE STABILIZATION IS ACHIEVED WITH PERMANENT SOIL STABILIZATION MEASURES.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS FOLLOWING THE END OF ACTIVE DISTURBANCE OR REDISTURBANCE.
- IF DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. ALL PUMPED DISCHARGES SHALL BE ROUTED THROUGH APPROPRIATELY DESIGNED SEDIMENT TRAPS OR BASINS.
- THE OWNER OF THE PROPERTY, CHICAGO TUBE DRIVE, LLC, WILL HAVE LEGAL RESPONSIBILITY FOR THE MAINTENANCE OF EROSION CONTROL STRUCTURES AND MEASURES DURING AND AFTER DEVELOPMENT.



SWPPP NOTES

- "THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO CONTROL WASTE SUCH AS DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER AND SANITARY WASTE AT THE CONSTRUCTION SITE THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY."
- "ALL STORM SEWER FRAMES AND GRATES/LIDS SHALL BE MARKED WITH 'DUMP NO WASTE' AND 'DRAINS TO CREEK.' THIS NOTE MUST ALSO BE INCLUDED ON ALL DRAINAGE STRUCTURE DETAILS."
- "A NOTICE OF INTENT (NOI) MUST BE SUBMITTED TO THE NPDES PERMITTING AUTHORITY AND POSTMARKED AT LEAST 30 DAYS BEFORE COMMENCEMENT OF ANY WORK ON-SITE FOR ALL CONSTRUCTION SITES OVER ONE ACRE. INCLUDED IN THE NOI SHALL BE THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), WHICH INCLUDES THE APPROPRIATE BMP'S TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE."
- "AN INCIDENT OF NON-COMPLIANCE (ION) MUST BE COMPLETED AND SUBMITTED TO THE IEPA IF, AT ANY TIME, AN EROSION OR SEDIMENT CONTROL DEVICE FAILS."
- "A NOTICE OF TERMINATION (NOT) MUST BE COMPLETED AND SUBMITTED TO THE IEPA WHEN ALL PERMANENT EROSION CONTROL MEASURES ARE IN PLACE WITH A 70% ESTABLISHMENT OF VEGETATION."

PROJECT: 1130 CHICAGO TUBE DRIVE

PERMIT #: ILR10

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE OF OWNER

DATE

PRINTED NAME OF OWNER

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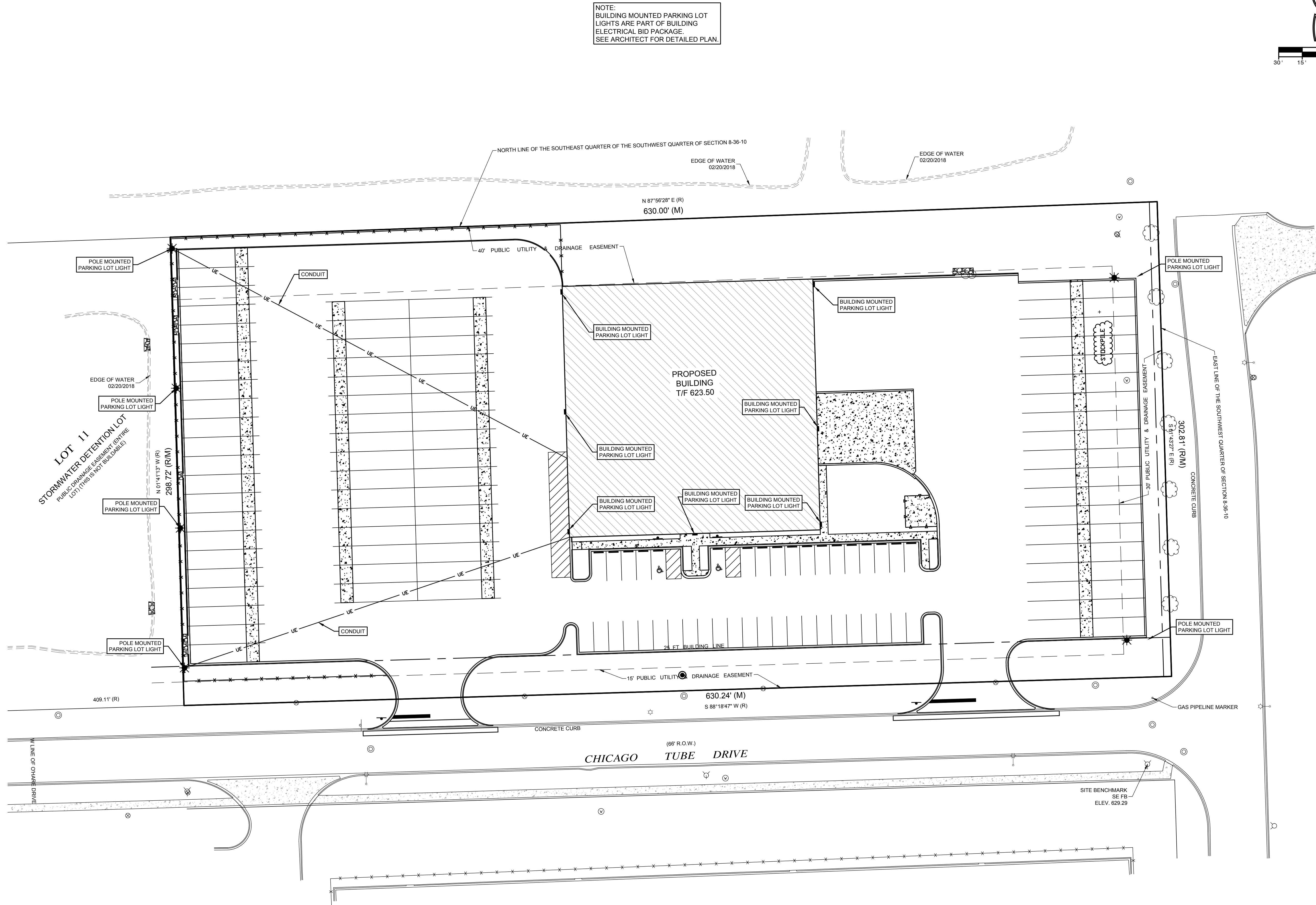


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SWPPP PLAN

CHICAGO TUBE DRIVE
ROMEIOVILLE, ILLINOIS

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6/29/2018	RESUBMITAL TO VILLAGE					
8/15/2018	RESUBMITAL TO VILLAGE					



SITE ELECTRICAL PLAN

CHICAGO TUBE DRIVE
ROMEIOVILLE, ILLINOIS

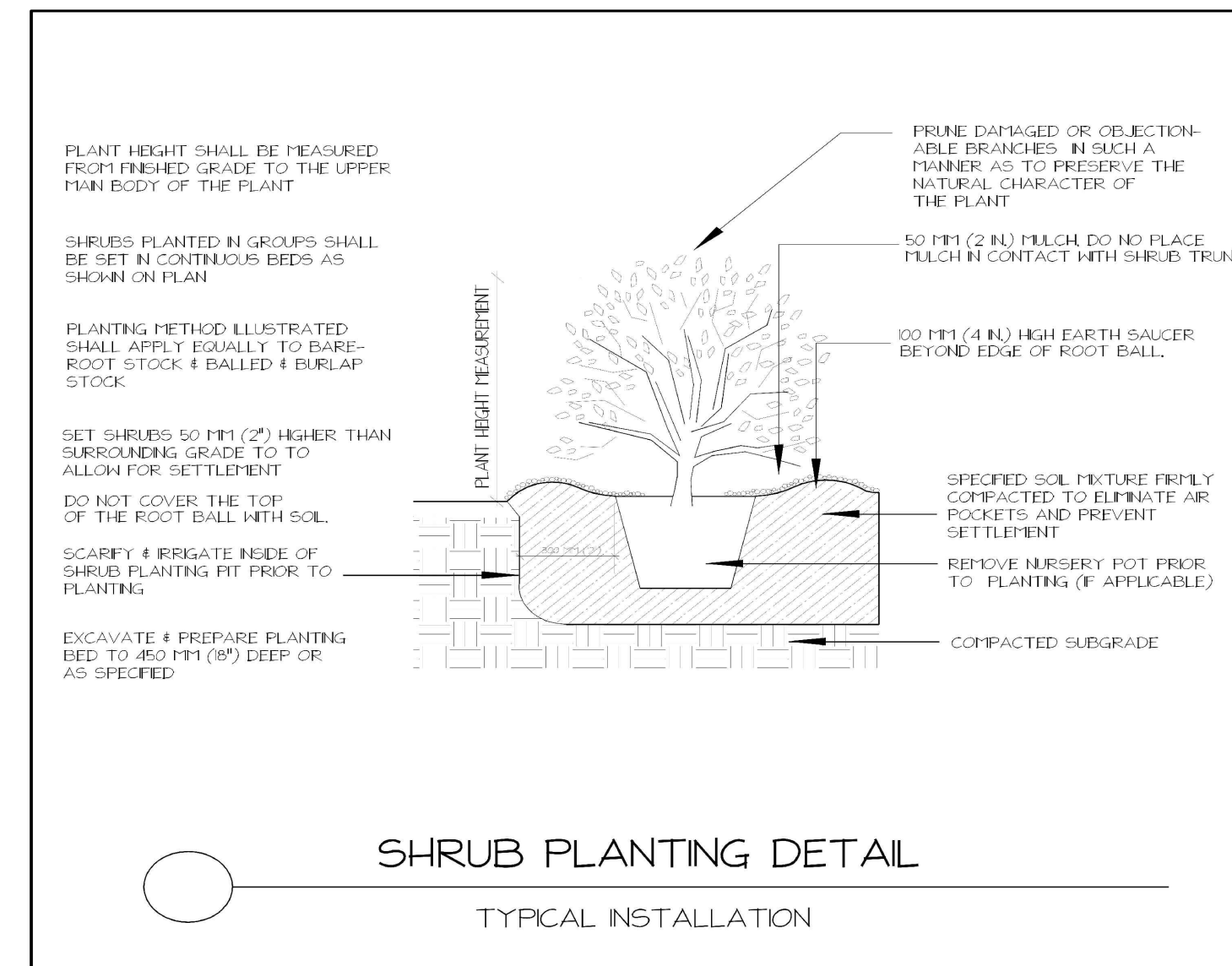
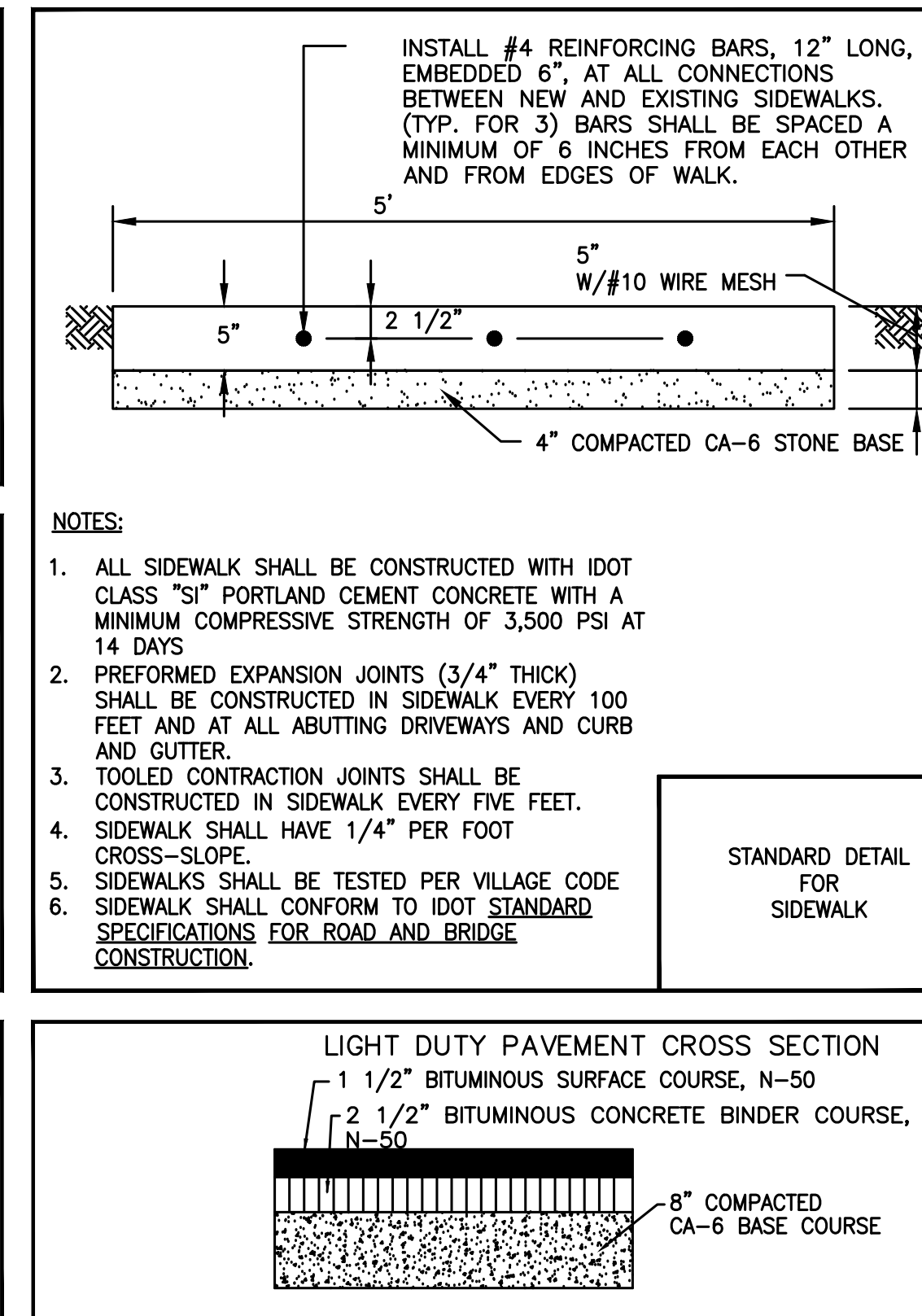
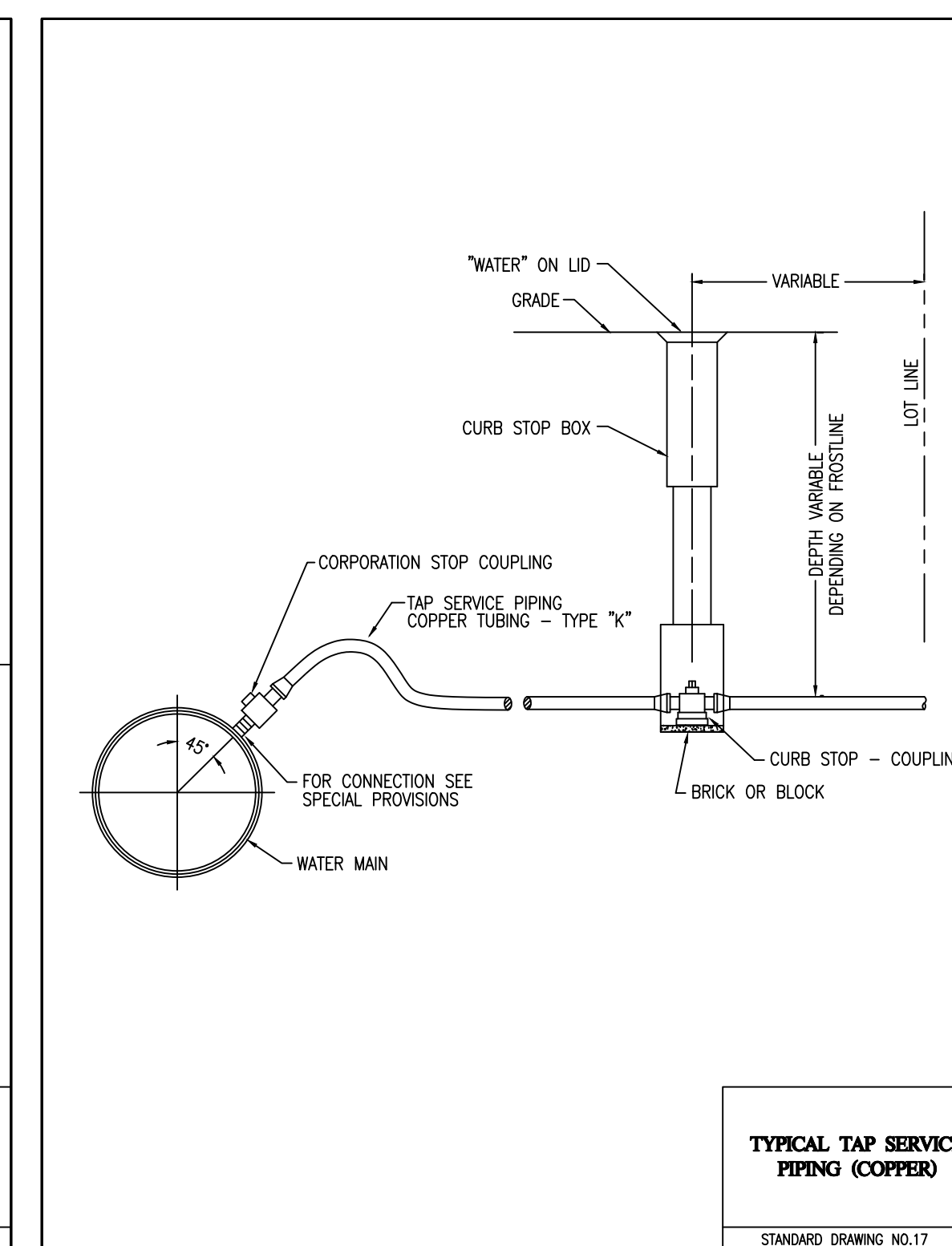
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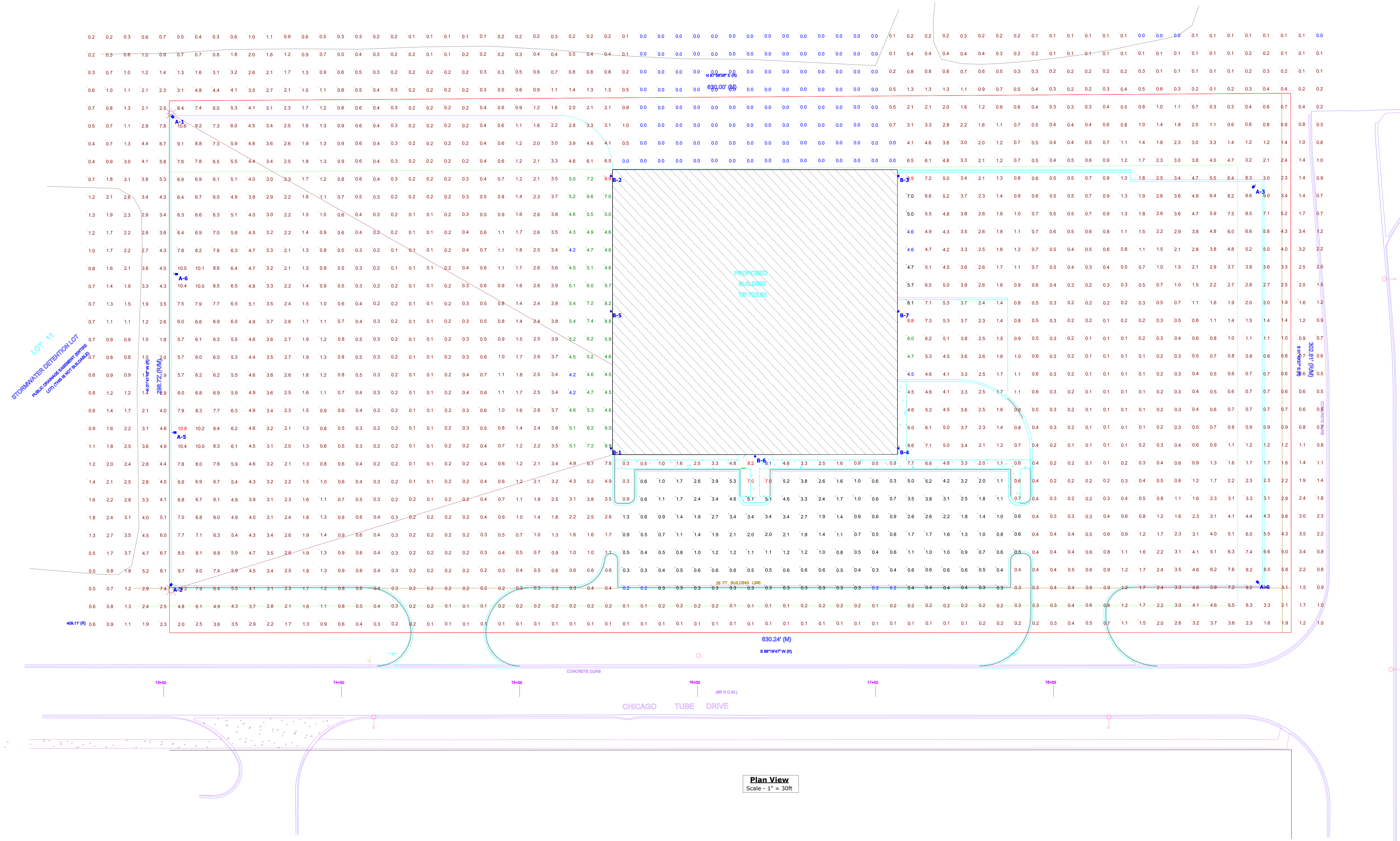
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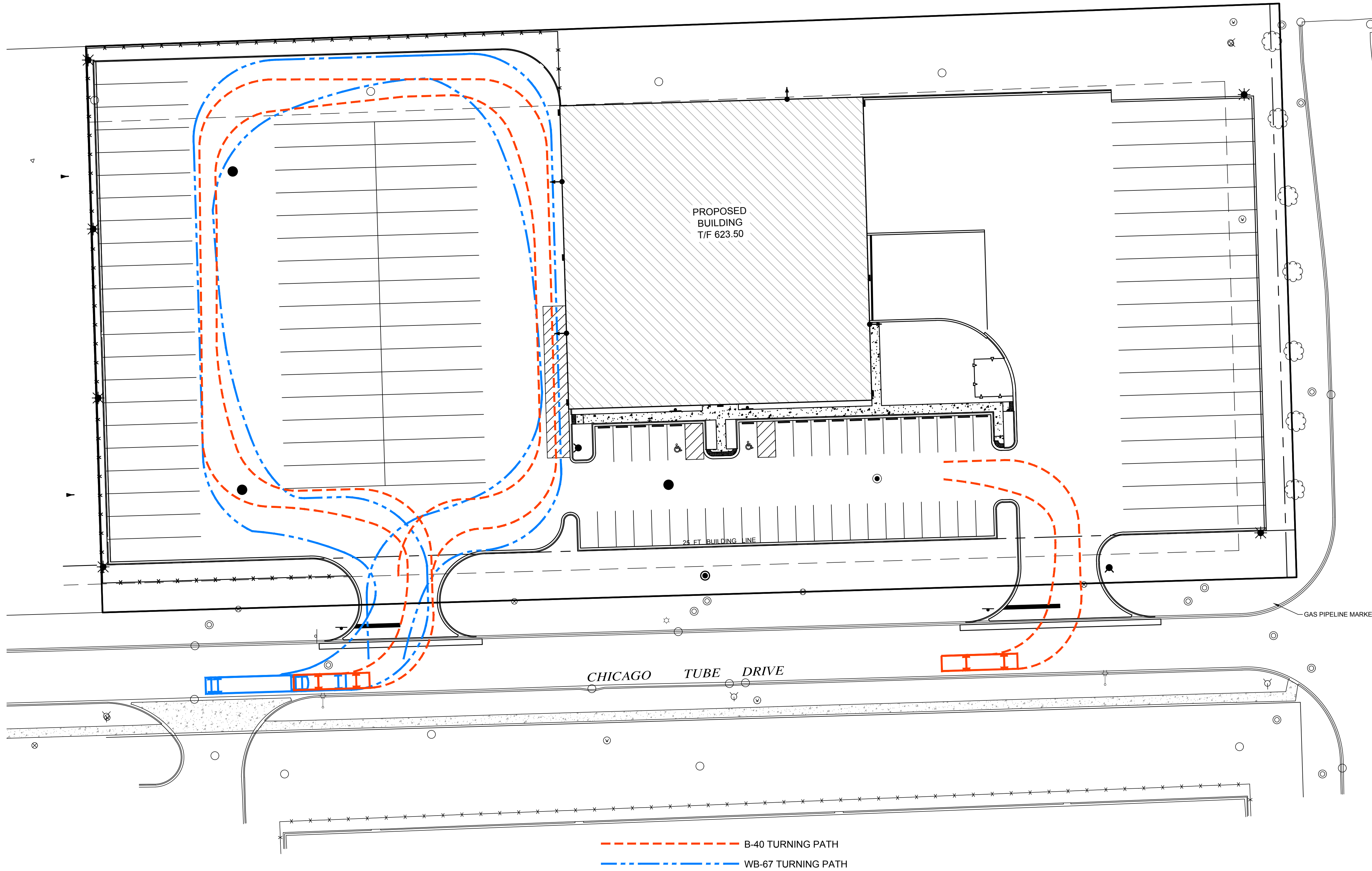
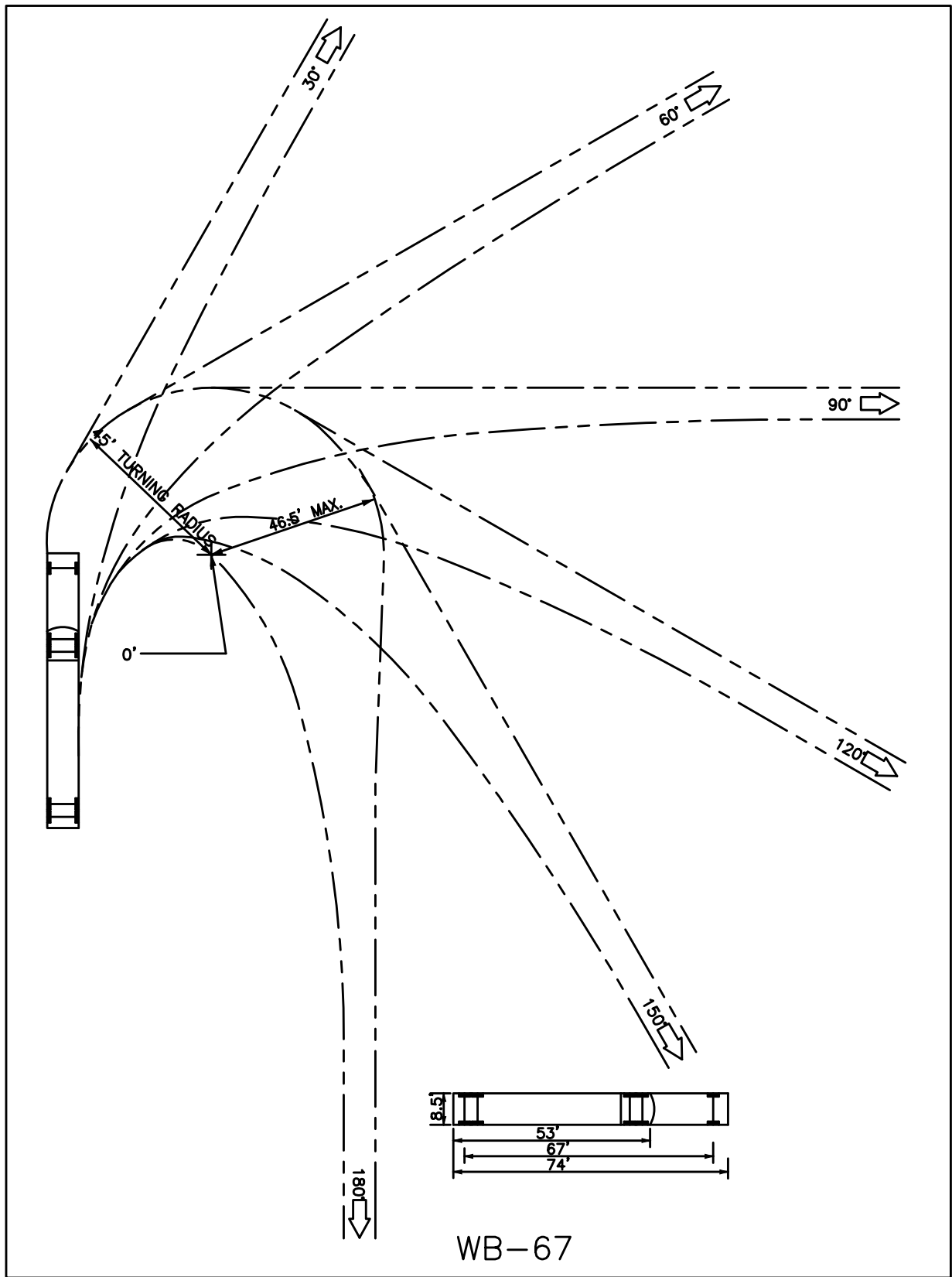
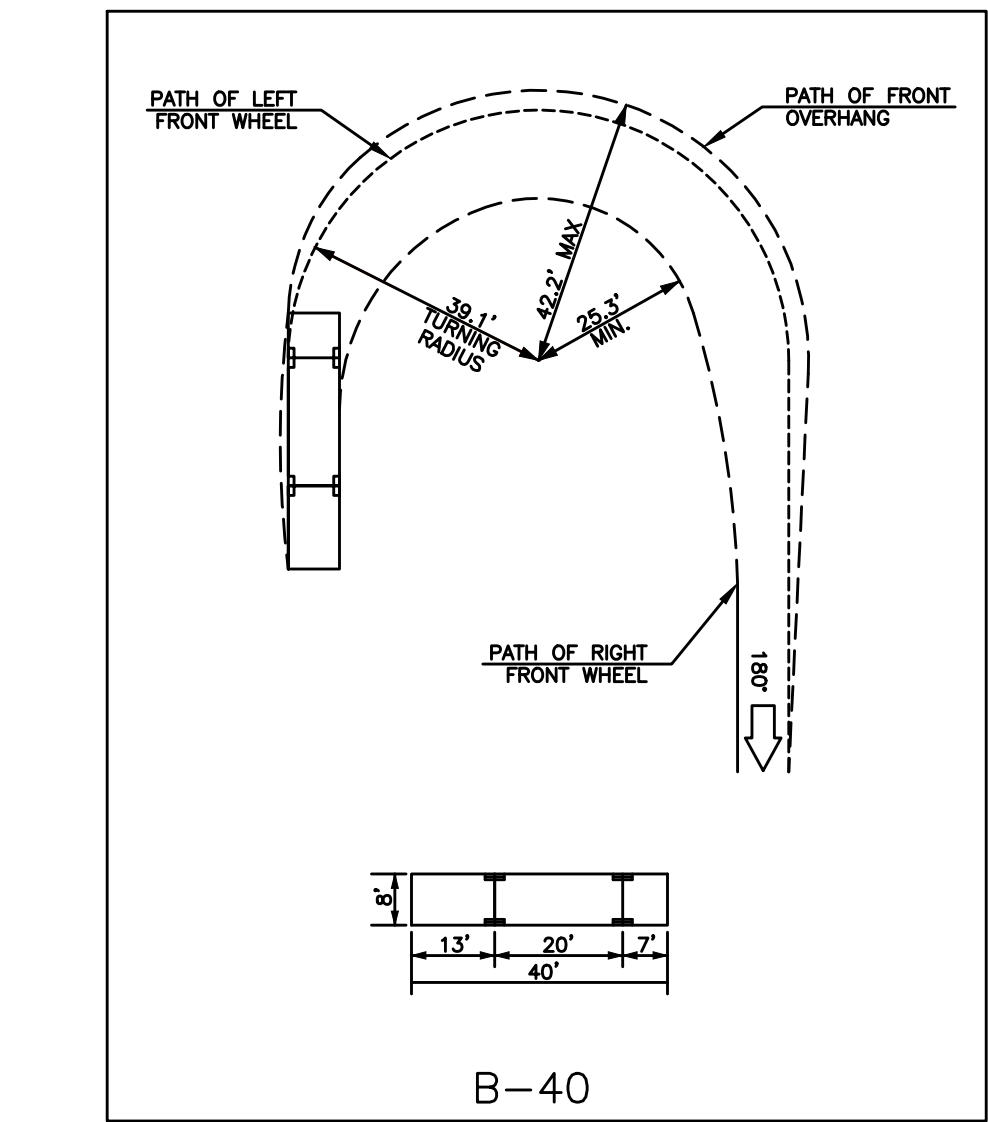
Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A	6	Lithonia Lighting	DSX2 LED P8 40K T4M MVOLT	DSX2 LED P8 40K T4M MVOLT	LED	1	DSX2_LED_P8_40K_T4M_MVOLT.ies	48144	0.95	431
	B	7	Lithonia Lighting	DSX1 LED P9 40K T4M MVOLT	DSX1 LED P9 40K T4M MVOLT	LED	1	DSX1_LED_P9_40K_T4M_MVOLT.ies	26996	0.95	241

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone Depressed Loading Dock		6.0 fc	8.8 fc	4.5 fc	2.0:1	1.3:1
Calc Zone East Loading Dock		6.1 fc	8.9 fc	4.6 fc	1.9:1	1.3:1
Calc Zone Employee Parking Area		1.5 fc	7.0 fc	0.2 fc	35.0:1	7.5:1
Calc Zone Entire Area		1.9 fc	10.8 fc	0.0 fc	N/A	N/A
Calc Zone Main Entrance		8.2 fc	8.2 fc	8.1 fc	1.0:1	1.0:1
Calc Zone West Loading Dock		5.6 fc	8.9 fc	4.2 fc	2.1:1	1.3:1

Luminaire Locations					
Location					
No.	Label	X	Y	MH	Orientation
1	A	0.68	290.80	25.00	135.00
2	A	-0.05	25.71	25.00	36.80
3	A	610.00	251.51	25.00	225.00
4	A	612.32	27.34	25.00	315.00
5	A	1.52	112.40	25.00	90.00
6	A	2.41	201.39	25.00	90.00
1	B	248.00	103.50	20.00	270.00
2	B	248.00	256.50	20.00	270.00
3	B	409.50	256.50	20.00	90.00
4	B	409.50	103.50	20.00	90.00
5	B	248.00	180.50	20.00	270.00
6	B	329.00	99.00	20.00	180.00
7	B	409.50	180.50	20.00	90.00



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--- B-40 TURNING PATH
--- WB-67 TURNING PATH

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INITIAL SUBMITTAL - ROMEVILLE						

TRUCK TURNING EXHIBIT

CHICAGO TUBE DRIVE
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