

Addendum No. 4

DATE: February 22, 2017

Joliet Junior College 1215 Houbolt Road Joliet, IL 60431

TO: Prospective Respondents

SUBJECT: Addendum No. 4

PROJECT NAME: Romeoville Campus Remodel

JJC PROJECT NO.: B17001

This Addendum forms a part of the Bidding and Contract Documents and modifies the original bidding document as posted on the JJC website. Acknowledge receipt of this addendum in the space provided on the Bid Form. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

Clarifications:

1. Room 82 Floor tile: Provide Crossville Color Blox 18" x 18" porcelain tile; color #A1117 - "I See The Moon".

Changes to the Project Manual/Specifications:

- 1. Section 04 20 00, Article 2.02, Paragraph B.3.c: This paragraph is to be removed, brick staining has been removed from the project.
- 2. Section 04 20 00, Article 2.06, Paragraph C.1.: This paragraph is to be removed, system is not required.
- 3. Section 06 41 00, Article 1.06, Paragraph A.2: This paragraph is to be removed, AWI Certification is not required.
- 4. Section 23 09 26, Article 2.01: Add Triatek as an acceptable Manufacturer.
- 5. Section 23 35 18, Article 2.01, Paragraph A: Add MK Plastics as an acceptable Manufacturer.

Changes to the Drawings:

- 1. Sheet C300: Refer to clouded areas. See attached revised Sheet C300.
- 2. Sheet C400: Refer to clouded areas. See attached revised Sheet C400.
- 3. Sheet C401: Refer to clouded areas. See attached revised Sheet C401.
- 4. Sheet C500: Refer to clouded areas. See attached revised Sheet C500.
- 5. Sheet A901: Refer to clouded areas. See attached revised Sheet A901.

Questions Received:

1. Specs section 042000 par. 2.06-C-1 calls for full height airspace maintenance and drainage material (CaveClear system). Drawing do not call for it. Please advise if this system is required.

Delete par. 2.06 C.1. System is not required.

2. Per the specs section 042000 par. 2.02-B, mason to match the brick or pay for staining should the owner not like the match. Since we do not know if the brick that our supplier is to provides will be acceptable to the owner, can the staining requirement be moved to be an Alternate add to the base bid? Staining might add between \$5-\$9/sqft to the price, driving up the base bid.

The brick staining requirement will be removed from the bidding documents.

3. Confirm panel CL is new, feeder size, and what panel it is fed from.

Panel CL is an existing panelboard located in the existing Computer Lab area to be reused.

4. Confirm tele/data conduit stub size. Minimum required conduit size ¾".

5. Light fixtures, exit, em battery, os/pp that are shown on drawings e411 and e412 are not specified. The drawings do not show a fixture schedule or os/pp schedule with the exception of the JJC standard 2x2 fixtures.

Refer to Addendum #3.

6. We need a profile of the fume hoods for the lab areas; our subcontractor cannot determine what is required below the hoods and there isn't a specification of the type of casework required below the hoods; Fume Hoods section part 2, 2.01 says to set the hoods on casework made for the units. That can be steel or wood, please clarify.

Detail 2/901 shows the casework required under the Type A fume hood in the prep room. Supporting casework is wood casework as specified in Section 12 35 53.19. Detail 9/A901 has been added to show section through fume hoods in rooms 45 and 64, which have no casework directly beneath them.

7. For the millwork/casework, the specifications require an AWI Certification for the manufacturer; is this required, because it will definitely limit the suppliers who can provide these items, please clarify.

AWI Certification is not required. Delete Subparagraph. 1.06 A.2.

8. Can you tell me what tile has been choose for the floor? I see they sent out an addendum about the walls but there is still nothing about the floors.

For floor of Restroom 82, provide Crossville Color Blox 18" x 18" porcelain tile; color #A1117 - "I See The Moon".

End of Addendum #4

LEGEND

ELEVATION

OVERHEAD UTILITY LINE

UTILITY POLE ELECTRIC CONTROL BOX ELECTRIC PEDESTAL

ELECTRIC METER

ELECTRIC HANDHOLE

UNDERGROUND ELECTRIC LINE UNDERGROUND TELEPHONE LINE UNDERGROUND GASMAIN

> GAS METER PHONE BOX

FLAG POLE

CABLE T.V. HANDHOLE CABLE T.V. PEDESTAL

TELEPHONE PEDESTAL

SANITARY SEWER SERVICE STORM INLET CATCHBASIN

> WATER SERVICE FIRE HYDRANT

WATER VALVE IN BOX BUFFALO BOX

ASPHALT PAVEMENT AREA

<u>PROPOSED</u>

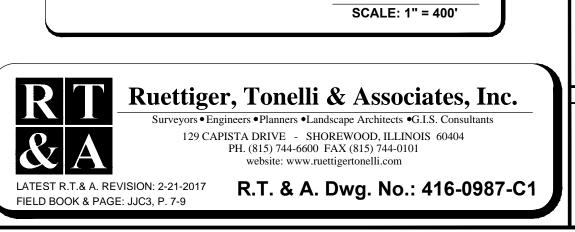


JOB NO. 15-292-1010 DRAWN: R.P.@R.T.&A. CHECKED: J.H.@R.T.&A. **APPROVED**

SHEET TITLE

PROPOSED SITE **UTILITY PLAN**

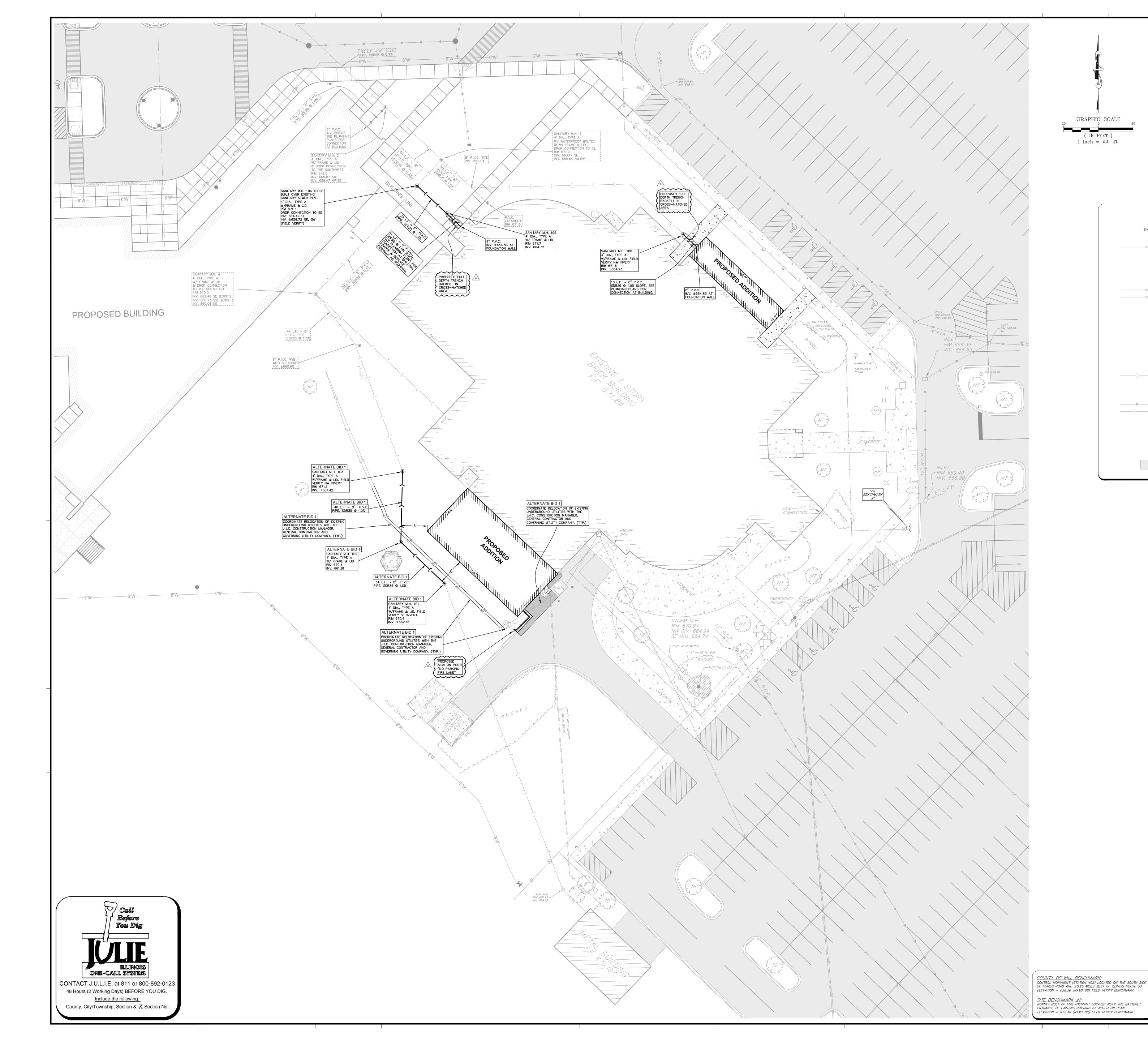
SHEET NUMBER



KEY MAP

Volunteer Park —

135th (Romeo Road)



<u>LEGEND</u>

■ EXISTING STORM SEWER

XXX.XX

GRAPHIC SCALE

1 inch = 20 ft.

EXISTING ELEVATION EXISTING CONTOUR EXISTING STORM INLET

_____PROPOSED CONTOUR PER PREVIOUS PLANS

- PROPOSED STORM SEWER

PROPOSED STORM MANHOLE PROPOSED CATCHBASIN PROPOSED STORM INLET

PROPOSED HIGH WATER LEVEL CONTOUR

PROPOSED ELEVATION PER PREVIOUS PLANS

PROPOSED TOP OF CURB ELEVATION PER THIS PLAN PROPOSED FLOW LINE ELEVATION PER THIS PLAN

PROPOSED ELEVATION PER THIS PLAN

DIRECTION OF OVERLAND FLOW PROPOSED STORM OVERFLOW ROUTE

REINFORCED CONCRETE PIPE

EXISTING PAVEMENT AREA

PROPOSED PAVEMENT AREA

EXISTING TREE TO BE PROTECTED

PROPOSED INLET FILTER BASKETS

APRIL 2017

MAY 2017

EXISTING TREE W/ SIZE

FINISHED FLOOR TOP OF CURB FLOW LINE

HIGH WATER LEVEL

EXISTING CURB

PROPOSED CURB

X X PROPOSED TEMPORARY EROSION CONTROL SILT FENCE

PROPOSED TOP OF CURB ELEVATION PER PREVIOUS PLANS PROPOSED FLOW LINE ELEVATION PER PREVIOUS PLANS



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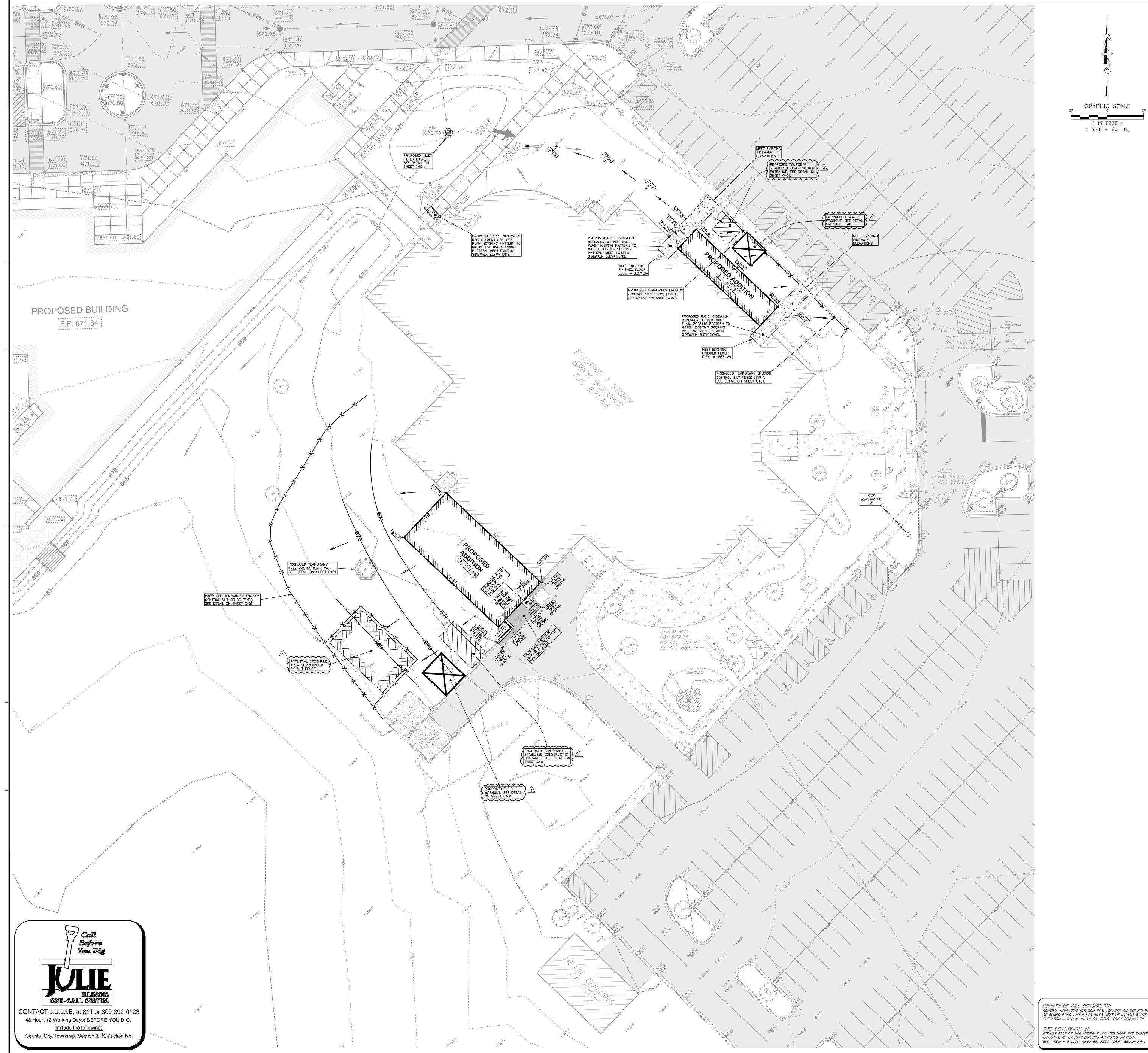
APPROVED

SHEET TITLE PROPOSED SITE **GRADING PLAN** AND EROSION **CONTROL PLAN**

SHEET NUMBER

Ruettiger, Tonelli & Associates, Inc.

Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants 129 CAPISTA DRIVE - SHOREWOOD, ILLINOIS 60404 PH. (815) 744-6600 FAX (815) 744-0101 website: www.ruettigertonelli.com



APPROXIMATE EROSION CONTROL SCHEDULE BEGINNING DATE ACTIVITY/TASK INSTALLATION OF SILT FENCING, INLET FILTER BASKETS APRIL 2017 **APRIL 2017**

CLEARING WILL BEGIN TEMPORARY SOIL STABILIZATION MEASURES BUILDING & UTILITIES CONSTRUCTION FINAL GRADING / ESTABLISHMENT OF PERMANENT VEGETATIVE COVER/LANDSCAPING

JUNE 2017 JULY 2017 REMOVAL OF TEMPORARY MEASURES PROJECT COMPLETION AUGUST 2017

PROPOSED SITE GRADING NOTES:

1.) CONTRACTOR TO PREVENT EROSION ONTO EXISTING PAVEMENT. 2.) CONTRACTOR TO PROVIDE GRADING -0.5' TO FINISHED GRADES AS PROPOSED ON THIS PLAN. JOLIET JUNIOR COLLEGE (J.J.C.) WILL INSTALL TOPSOIL, LANDSCAPING AND WILL STABILIZE THE SITE UNDER A SEPARATE CONTRACT.

135th (Romeo Road) Volunteer Park — **KEY MAP**

COUNTY OF WILL BENCHMARK:

CONTROL MONUMENT (STATION 403) LOCATED ON THE SOUTH SIDE

OF ROMEO ROAD AND ±0.25 MILES WEST OF ILLINOIS ROUTE 53. ELEVATION = 628.26 (NAVD 88) FIELD VERIFY BENCHMARK. <u>SITE BENCHMARK #1:</u> BONNET BOLT OF FIRE HYDRANT LOCATED NEAR THE EASTERLY ENTRANCE OF EXISTING BUILDING AS NOTED ON PLAN.

LATEST R.T. & A. REVISION: 2-21-2017 FIELD BOOK & PAGE: JJC3, P. 7-9 R.T. & A. Dwg. No.: 416-0987-C1

ADDI

S

EROSION CONTROL NOTES

WITH INLET FILTER BASKETS.

NON-VEGETATIVE MEASURES.

FROM THE SITE BY THE INSTALLER.

CLASS 2 SEED PER SECTION 250.

GRATE FABRIC, ETC.).

EROSION CONTROL TO BE APPLIED PER THE ILLINOIS PROCEDURES FOR

URBAN SOIL EROSION AND SEDIMENTATION CONTROL MANUAL, LATEST

CONTRACTOR SHALL BE PROPERLY MAINTAINED AS DIRECTED BY THE VILLAGE TO CONTROL SILTATION AT ALL TIMES DURING THE LIFE OF THE CONTRACT.

ALL STORM SEWER STRUCTURES WITH OPEN GRATES SHALL BE PROTECTED

DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT

MEASURES WITHIN (7) SEVEN CALENDAR DAYS FOLLOWING THE END OF

CRITERIA. APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION MEASURES SHALL INCLUDE SEEDING, MULCHING, SODDING AND / OR

ALL DISTURBED AREAS NOT SPECIFICALLY IDENTIFIED FOR LANDSCAPING IMPROVEMENTS OR IMPERVIOUS SURFACE TREATMENTS SUCH AS PAVEMENTS, DRIVES, PATIOS, STOOPS, SIDEWALKS OR WALKWAYS SHALL BE FINISHED WITH

ROAD AND BRIDGE CONSTRUCTION" (LATEST ADDITION) AS FOLLOWS:

FERTILIZED NUTRIENTS IN THE RATIO OF 1:1:1 OF NITROGEN,

LBS/ACRE IN ACCORDANCE WITH SECTION 250.

HAVING JURISDICTION, HAS ACCEPTED THE WORK.

IS TO PROVIDE QUALIFIED PERSONNEL WHO SHALL INSPECT:

VEHICLES AND OR EQUIPMENT OPERATE.

THAT HAS 0.5 INCHES OR MORE OF PRECIPITATION.

PERFORMANCE OF THEIR INTENDED FUNCTION.

SOIL STABILIZATION MEASURES.

OR REDISTURBANCE.

SUPPLEMENTAL VILLAGE NOTES:

POLLUTION PREVENTION PLAN INSPECTION REQUIREMENTS.

A MINIMUM OF 6" OF TOPSOIL AND RESTORED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR

PHOSPHOROUS AND POTASSIUM EACH, ALL AT THE RATE OF 90

EROSION CONTROL BLANKET: EXCELSIOR GREEN BLANKET (I.D.O.T. SEC.

GERMINATION IS COMPLETED AND THE OWNER, OR LOCAL AGENCY

FOR EACH PHASE OF WORK, THE CONTRACTOR RESPONSIBLE FOR THAT WORK

 DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT BEEN STABILIZED WITH IMPERVIOUS MATERIALS OR VEGETATIVE GROUND

STRUCTURAL CONTROL MEASURES (I.E. SILT FENCE, FILTER BASKETS,

OFF SITE ROADS AND ON SITE PAVEMENTS WHICH THE CONTRACTOR'S

SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT

ALL INSPECTIONS SHALL BE IN CONFORMANCE WITH THE STORM WATER

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE

10. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY

12. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT

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.

SHOVELING OR STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH WORKDAY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL.

OF WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED WITH PERMANENT

MEASURES WITHIN 7 CALENDAR DAYS FOLLOWING THE END OF ACTIVE DISTURBANCE

11. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED

CONTRÁCTOR SHALL MAINTAIN RESTORED AREA AS NEEDED UNTIL

ACTIVE DISTURBANCE, RE-DISTURBANCE, CONSISTENT WITH THE FOLLOWING

ALL EROSION CONTROL ITEMS REMAIN IN PLACE AND BE MAINTAINED UNTIL DEEMED UNNECESSARY BY THE OWNER / DEVELOPER AND THE VILLAGE AT WHICH TIME THE EROSION CONTROL ITEMS SHALL BE COMPLETELY REMOVED

THE TEMPORARY EROSION CONTROL SYSTEMS INSTALLED BY THE

ADVERSE IMPACTS TO WATER QUALITY. 15. 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.

16. ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONTRACTOR SHALL ALSO BE REQUIRED TO CONTROL DUST ON THE SITE TO PREVENT WIND TRANSPORTATION OF SEDIMENT. THE CONTRACTOR MAY BE REQUIRED TO "WATER" THE SITE FOR DUST CONTROL.

"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. JOLIET JUNIOR COLLEGE IS ULTIMATELY RESPONSIBLE FOR THE LEGAL REQUIREMENT OF MAINTAINING THE EROSION CONTROL.

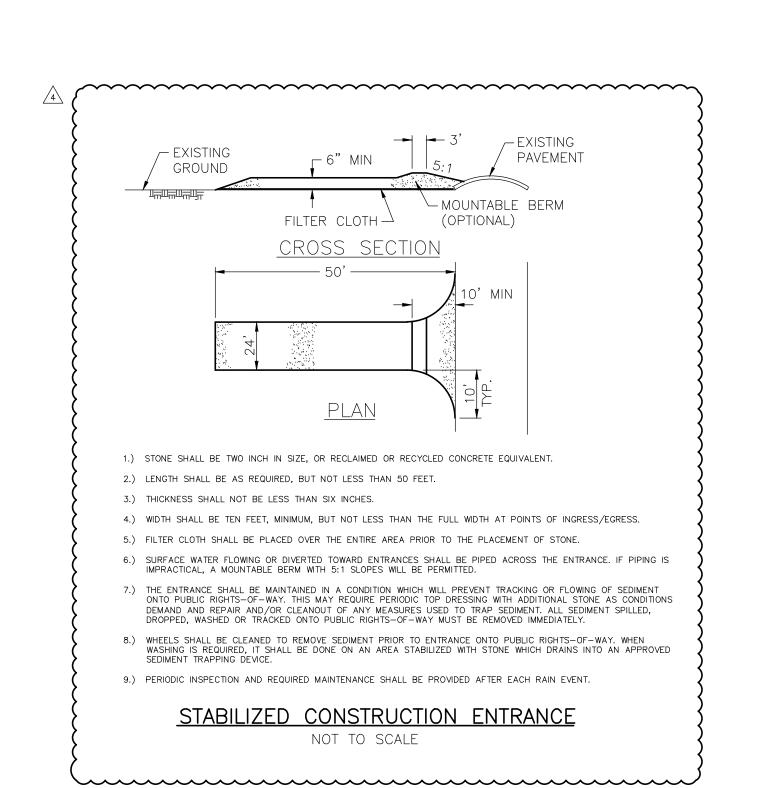
> REMOVED "NOTICE OF INTENT (N.O.I.)" "INCIDENT OF NON—COMPLIANCE (1.O.N.)" AND NOTICE OF TERMINATION (N.O.T.)" NOTES.

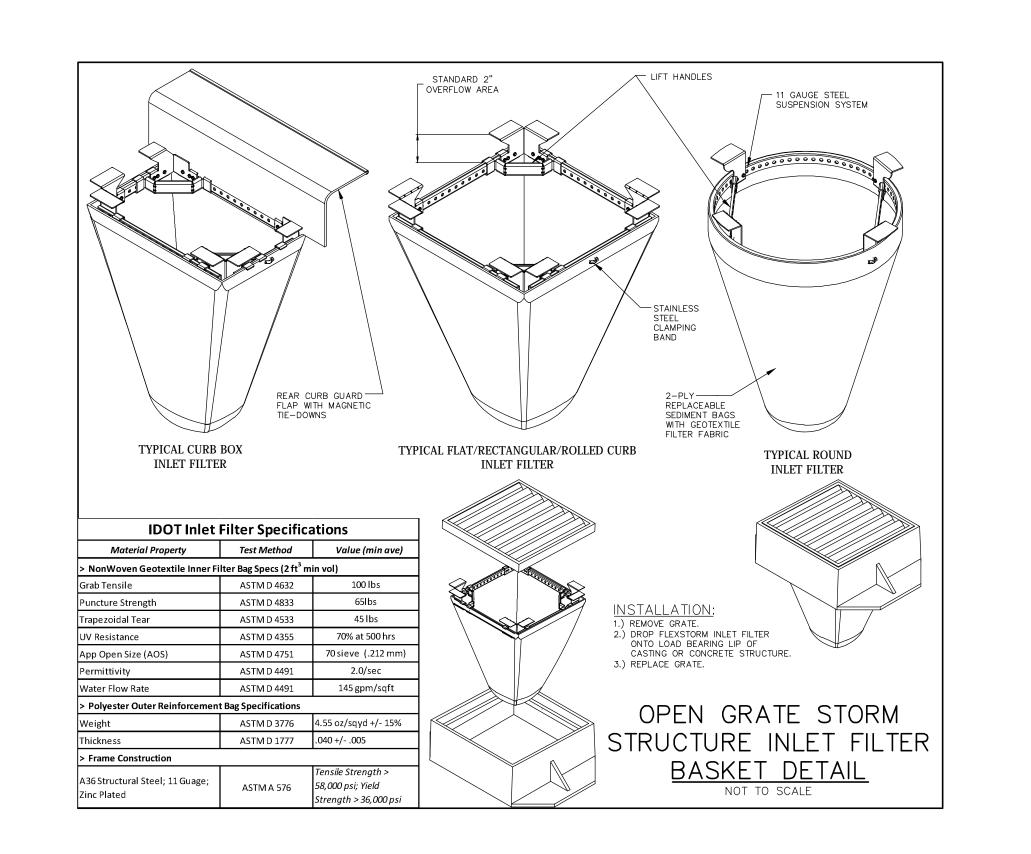
SPACING - WHEN TWO SECTIONS EACH OTHER THEY SHALL BE OVERLAPPED BY 6 FILTER CLOTH COVER, FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MIDSECTION. 12-1/2 GAUGE WIRE WITH 6" X 6" MESH SPACING POSTS EMBEDDED 16 INTO FIRM GROUND. EXCAVATE TRENCH FOR FABRIC SECURE WIRE TO FENCE POSTS AND ATTACH MESH WITH TIE WIRES OR OTHER APPROVED METHOD. TAMPED FIRM SOIL OR PEA GRAVEL -RUNOFF FLOW DIRECTION %"

NOTES FOR SILT FENCE

1. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE. 2. FILTER CLOTH SHALL BE FILTER X, MIRAFI 100X, STABILINKA T140N, OR EQUAL. 3. PREFABRICATED UNIT SHALL BE GEOFAB, ENVIROFENCE, OR EQUAL.

> SILT FENCE INSTALLATION NOT TO SCALE



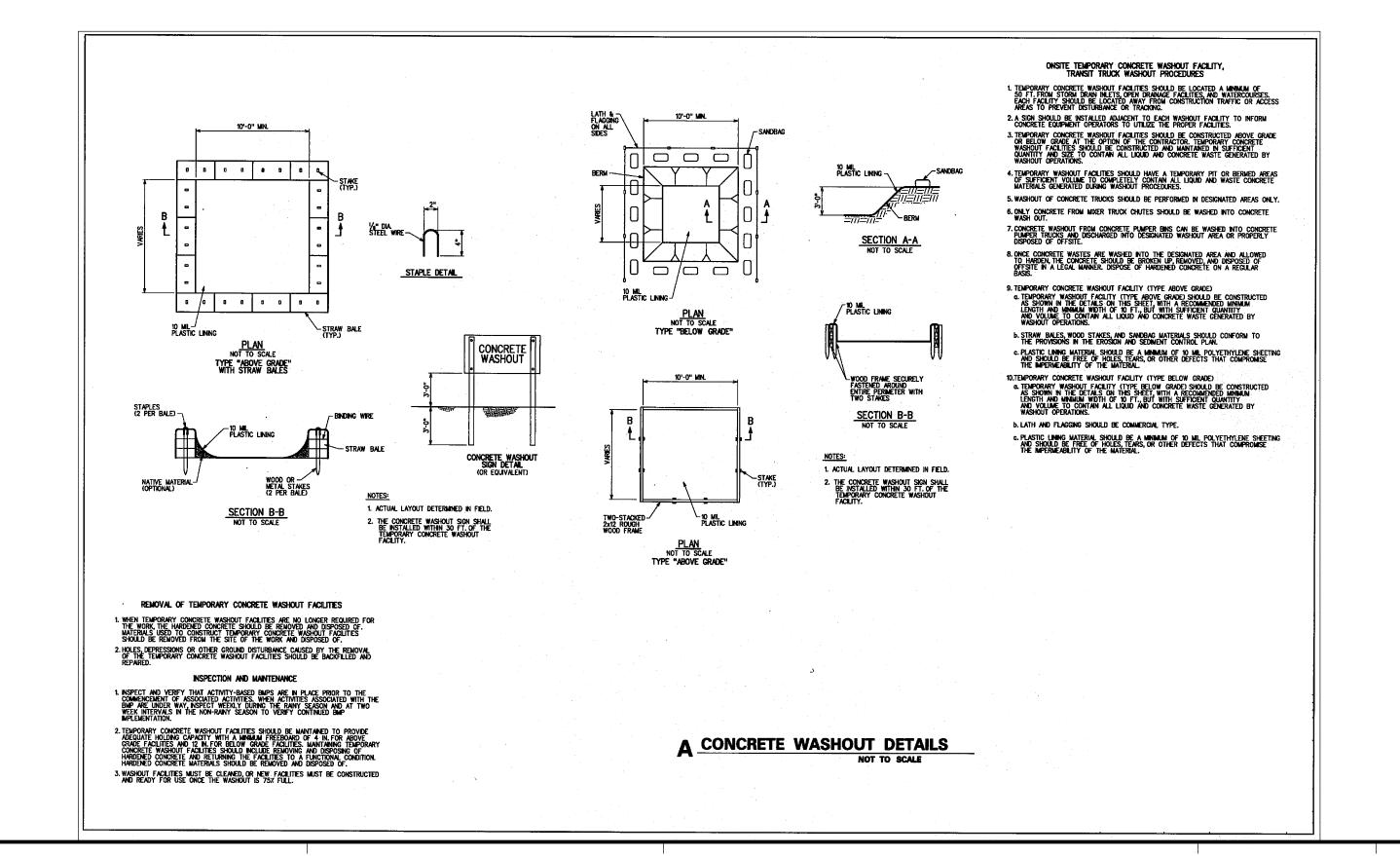


12 GA. WIRE STAPLED

TREE PROTECTION DETAIL

NOT TO SCALE

- 36" HIGH HIGH VISIBILITY PLASTIC



MAINTENANCE RESPONSIBILITY CONTACT: JOLIET JUNIOR COLLEGE 1125 WEST 135TH STREET ROMEOVILLE, ILLINOIS 60446 ATTN: RICK LYMAN OFFICE PH: (815) 280-2212 MOBILE PH: (815) 735-2682

LATEST R.T.& A. REVISION: 2-21-2017 FIELD BOOK & PAGE: JJC3, P. 7-9 R.T. & A. Dwg. No.: 416-0987-C1

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JOB NO. 15-292-1010

DRAWN: R.P.@R.T.&A.

CHECKED: J.H.@R.T.&A. SHEET TITLE **EROSION CONTROL NOTES AND DETAILS** Ruettiger, Tonelli & Associates, Inc. SHEET NUMBER

SITE CONSTRUCTION GENERAL NOTES

BE REQUIRED PRIOR TO ANY SITE CONSTRUCTION.

NOTIFIED BEFORE TRENCH IS BACKFILLED.

CONSTRUCTION OF PROPOSED IMPROVEMENTS.

5. GRANULAR BACKFILL TO BE CRUSHED LIMESTONE CA-7.

ON-SITE BURNING OR BURIAL SHALL BE ALLOWED.

SHALL PROCEED AS THE WORK PROCEEDS.

PERFORMANCE OF THEIR INTENDED FUNCTION.

AND MUNICIPAL AGENCIES.

ORIGINAL PLANS.

DURING CONSTRUCTION.

CONSTRUCTION IN ILLINOIS.

SANITARY SEWER SERVICE:

ASTM D2321. (SEE DETAILS)

SANITARY SEWER SERVICE CONSTRUCTION NOTES:

TRACK AND SYNTHETIC TURF MANUFACTURERS STANDARDS.

1. ALL NEW CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH "STANDARD

SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS"

LATEST EDITION; AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE

2. THE OWNER AND/OR CONTRACTOR ARE REQUIRED TO FILE A NOTICE OF INTENT

3. UNLESS NOTED OTHERWISE, ANY UNDERGROUND SEWER OR DRAIN TILE SHALL REMAIN IN OPERATION, AND IF DAMAGED SHALL BE REPAIRED TO EXISTING OR

BETTER CONDITION. THE OWNER OF THE TILE AND THE VILLAGE SHALL BE

4. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE OWNER,

AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY STAGE OF

6. EROSION CONTROL TO BE APPLIED PER THE ILLINOIS PROCEDURES FOR URBAN

7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLETELY REMOVE AND

PROPERLY DISPOSE OF EXISTING STRUCTURES, DEBRIS, WASTES AND VEGETATION

PROPERLY COMPLETE HIS WORK. ALL DEBRIS AND SURPLUS MATERIALS REMOVED

THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER

DISTURBANCE AND/OR UTILITY CONNECTIONS WITH GOVERNING UTILITY ENTITIES

FROM THE SITE SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. NO

AT ALL TIMES. DEBRIS AND SURPLUS MATERIAL CLEAN UP AND REMOVAL

8. FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND BUILDING SERVICES.
PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. COORDINATE ANY

ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION ENTRANCE.

11. MAJOR AMENDMENTS OF THE SITE DEVELOPMENT OR EROSION AND

10. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE

SEDIMENTATION CONTROL PLANS SHALL BE SUBMITTED TO THE DEPARTMENT OF COMMUNITY DEVELOPMENT TO BE APPROVED IN THE SAME MANNER AS THE

12. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY SHOVELING OR STREET CLEANING (NOT FLUSHING) BEFORE THE END OF EACH

PROTECTED FROM EROSION. ALL PUMPED DISCHARGES SHALL BE ROUTED

15. A WATER TRUCK SHALL BE USED FOR DUST CONTROL MEASURES ON-SITE

SANITARY SEWER & WATER SERVICE SEPARATION SHALL CONFORM TO SECTION 41-3.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN

1. SANITARY SEWER SERVICE SHALL BE PVC SDR-35 & SDR-26 (AS NOTED IN

2. GRANULAR BEDDING SHALL BE CONSTRUCTED IN CONJUNCTION WITH THE

3. SANITARY SEWER SERVICE SHALL BE AIR PRESSURE TESTED PER THE

PLANS), WITH FLEXIBLE ELASTOMERIC SEALS PER A.S.T.M. D3212, OR APPROVED

INSTALLATION OF ALL SANITARY SEWERS AND SERVICES, GRANULAR BEDDING SHALL BE CLASS 1 CRUSHED CA-7 AND AT LEAST 6" OVERTOP OF PIPE PER

STANDARD SPECIFICATIONS FOR WATER AND SEWER SERVICE CONSTRUCTION IN ILLINOIS (LATEST EDITION). SANITARY SEWER SERVICE SHALL BE MANDRILL

WORKDAY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL.

13. 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.

14. IF DEWATERING DEVISES ARE USED, DISCHARGE LOCATIONS SHALL BE

THROUGH APPROPRIATELY DESIGNED SEDIMENT TRAPS OR BASINS.

SOIL EROSION AND SEDIMENTATION CONTROL MANUAL, LATEST EDITION.

FROM THE SITE AS NOTED ON THE PLAN OR AS MAY BE REQUIRED TO

VILLAGE AND ENGINEER IF THERE IS ANY DISCREPANCY BETWEEN THE PLANS

CONSTRUCTION" - ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

(NOI) WITH THE ÍLLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) RELATIVE TO STORM WATER DISCHARGE QUALITY, AND OBTAIN A GENERAL PERMIT ILR—10

OR OTHER NATIONAL POLLUTANT ELIMINATION SYSTEM (NPDES) PERMIT AS MAY

FINAL ACCEPTANCE AND TESTING OF SANITARY SEWER

BEFORE FINAL ACCEPTANCE, THE SANITARY SEWER 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 SUBJEC

TO AIR EXFILTRATION TESTS, TELEVISING TEST, AND DEFLECTION TEST THE DEFLECTION TEST SHALL BE PERFORMED NO SOONER THAN THIRTY

(30) DAYS OF THE BACKFILLING OPERATION AND SHALL CONSIST OF

PERCENT OF THE INTERNAL PIPE DIAMETER. ALL PIPE EXCEEDING THIS

EQUAL TO NINETY-FIVE (95) PERCENT OF THE UNDEFLECTED INSIDE

ALL SANITARY SEWER HAVING A DIAMETER OF EIGHT (8) INCHES OR

GREATER SHALL BE TELEVISED. COPIES OF ALL VIDEO TAPES MUST BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE.

VACUUM TESTING SHALL BE CARRIED OUT IMMEDIATELY AFTER ASSEMBLY

SEVENTY-TWO (72) INCHES IN DIAMETER. ALL LIFT HOLES SHALL BE

BEFORE TESTING. NO GROUT SHALL BE PLACED IN THE HORIZONTAL

CARE TO SECURELY BRACE THE PLUGS FROM BEING DRAWN INTO THE

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

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

TO BACKFILLING (WHENEVER POSSIBLE) SO THAT ANY LEAKS CAN BE FOUND AND FIXED EXTERNALLY, AND TO GIVE THE HORIZONTAL MANHOLE

PLUGGED WITH A NON-SHRINK GROUT, OR RUBBER PLUG. THE MANHOLE FRAME AND ADJUSTING RINGS AND CHIMNEY SEALS SHALL BE IN PLACE

JOINTS. ALL PIPES ENTERING THE MANHOLE SHALL BE PLUGGED, TAKING

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

AND PRIOR TO BACKFILLING OF MANHOLES THAT ARE UP TO

SERVICEABILITY AND SHALL BE RE-LAID OR REPLACED BY THE

FINAL TESTING OF SANITARY SEWER MANHOLES

JOINTS AN OPPORTUNITY TO TIGHTEN.

FLOW MONITORING PRIOR TO ACCEPTANCE

MEASURING THE PIPE FOR VERTICAL RING DEFLECTION. MAXIMUM RING

DEFLECTION OF THE PIPELINE UNDER LOAD SHALL BE LIMITED TO FIVE (5)

DEFLECTION SHALL BE CONSIDERED TO HAVE REACHED THE LIMIT OF ITS

DEVELOPER. DEFLECTION TESTING SHALL BE ACCOMPLISHED BY PULLING

DIAMETER OF THE FLEXIBLE PIPE, THROUGH THE PIPELINE. IN ADDITION,

A MANDREL, SPHERE, OR PIN-TYPE "GO/NO-GO" DEVICE, WITH A DIAMETER

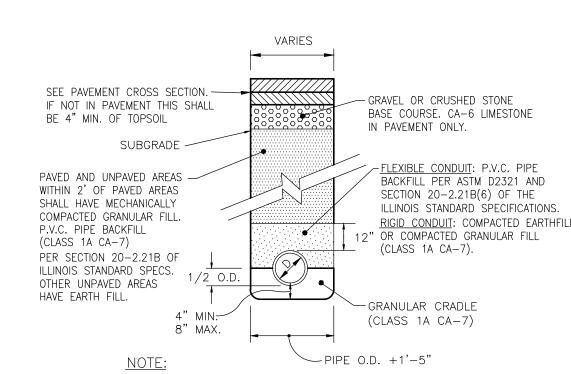
JOB NO. 15-292-1010 CHECKED: J.H.@R.T.&A

GENER NOTES AND CONSTRUCTION **DETAILS**

SHEET NUMBER LATEST R.T.& A. REVISION: 2-21-2017 R.T. & A. Dwg. No.: 416-0987-C1





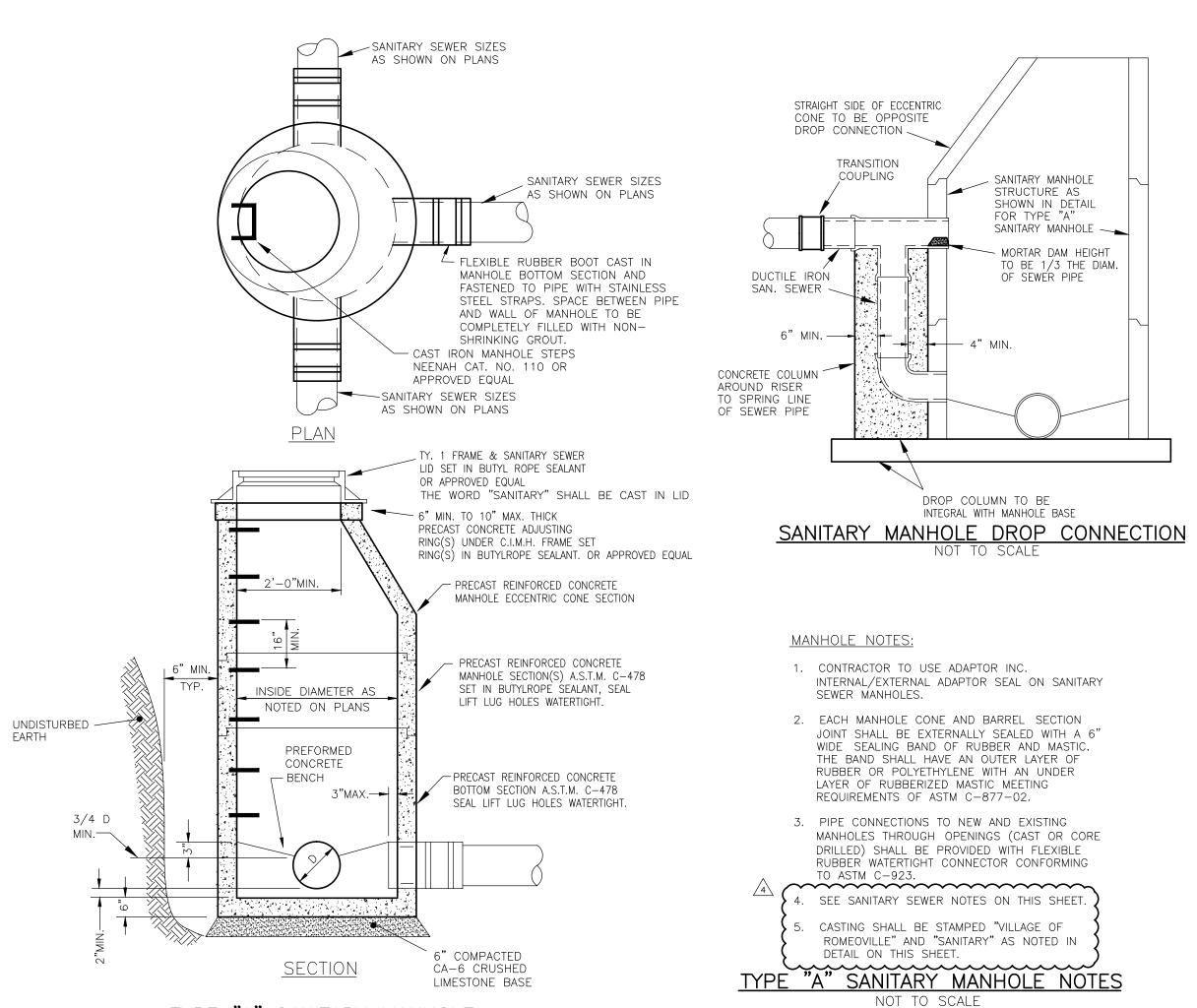


RIGID CONDUIT: COMPACTED EARTHFILL

22 3/4" CROSS SECTION CROSS SECTION CROSS SECTION NOTE: FRAME AND CLOSED LIDS FOR UTILITY STRUCTURES SHALL BE EAST JORDAN #1022Z3

EMBOSSED WITH 1020A HD "WATER", "STORM",

OR "SANITARY", AND "VILLAGE OF ROMEOVILLE



GRANULAR BACKFILL IS REQUIRED FULL DEPTH WITHIN TWO FEET OF PAVEMENT AND SIDEWALK TYPICAL UTILITY TRENCH NOT TO SCALE

TYPE "A" SANITARY MANHOLE NOT TO SCALE

CONCRETE CURB AND GUTTER STANDARD 606001-06 NOTE: ALL NEW CURB AND GUTTER TO TIE INTO EXISTING CURB AND GUTTER SHALL BE DOWELED TOGETHER. THREE (3) DRILLED AND GROUTED No. 5 REINFORCING BARS OR EXPANSION TIE ANCHORS, 5/8"

2" BITUMINOUS SURFACE COURSE

MEET EXISTING SURFACE GRADES UNIFORMLY.

— SAWCUT ALL

JOINTS

10" BITUMINOUS

AGGREGATE MIX

- COMPACTED BACKFILL

bar (placed at mid-depth).

EXPANSION JOINT

curb type. Slope 5% max.

DEPRESSED CURB ADJACENT

TO CURB RAMP ACCESSIBLE

TO THE DISABLED

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase

Longitudinal joint tie bars shall be No. 6 (No. 19) at 24 (600) centers in accordance with details for

A minimum clearance of 2 (50) between the end of

The dowel bars shown in contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner

All dimensions are in inches (millimeters) unless otherwise shown.

he tie bar and the back of the curb shall be

CONCRETE CURB TYPE B

AND COMBINATION

CONCRETE CURB AND GUTTER

BARRIER CURB

┤¢─⋛**─**⋺**⋕**`=

BARRIER CURB

CONCRETE CURB TYPE B

AND COMBINATION

DEPRESSED CURB

DEPRESSED CURB

ADJACENT TO FLEXIBLE PAVEMENT

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

longitudinal construction joint shown on Standard 420001.

t = Thickness of pavement.

AS SPECIFIED

— 2" BITUMINOUS BINDER COURSE

PRIME COAT -

WIDTH OF

PIPE TRENCH

BITUMINOUS PAVEMENT REPAIR

NOT TO SCALE

2-No. 4 (No. 13) bars placed at mid-depth (when space permits)

Slope 6%

DEPRESSED CURB (TYPICAL)

course ≤ 8 (200) 10 (250) when PCC base

course > 8 (200)

- C-----

Tie bar 🗸

└ PCC base └ Tie bar

└─ Tie bar

─ Back of curb

without curb box

- Back of curb

M-2.06 (M-5.15) and M-2.12 (M-5.30)

5'-0" 5'-0" (1.5 m)

ON UNDISTURBED SUBGRADE

IN DIAMETER, SHALL BE USED TO TIE THE NEW CURB AND GUTTER TO THE EXISTING CURB AND GUTTER.

2-No. 4 (No. 13) bars ----

HMA surfacing —

ADJACENT TO FLEXIBLE PAVEMENT

ADJACENT TO PCC BASE COURSE

WITH HMA SURFACING

Drainage casting with curb box

Back of curb

-1-1/2" BITUMINOUS CONC. SURFACE COURSE

ALL EXISTING FILL AND BASE MATERIALS

BE RE-USED MUST BE TESTED

AND COMPACTED AS REQUIRED TO MEE

PROPOSED PAVEMENT SECTION

WIDTH (SEE PLAN)

SLOPE AS NOTED ON PLANS

1. SURFACE TO BE A LIGHT BROOM FINISH AT RIGHT ANGLES TO THE

2. ASPHALTIC FELT EXPANSION JOINTS SHALL BE PROVIDED 30'-0" ON

3. SIDEWALK THROUGH ENTRANCES SHALL BE 6" THICK WITH

CENTER. WITH 1/2" DEEP CONTROL (FALSE) JOINTS AS SHOWN ON

TYPICAL P.C.C. SIDEWALK SECTION

NOT TO SCALE

Doweled contraction joint
(Placed in prolongation with pavement joints)

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

Tie bar →

MOUNTABLE CURE

Form with $\frac{1}{8}$ (3) thick steel template 2 (50) deep, and seal.

2. Saw at 4 to 24 hours, and seal.

with (or without) dowels

* For corner islands only.

PASSED January 1, 2015

Michael Brand

ENGINEER OF POLICY AND PROCEDURES

ENGINEER OF DESIGN AND ENVIRONMENT

└ Tie bar

construction options:

1. Form with $\frac{1}{8}$ (3) thick steel template

2. Saw 2 (50) deep at 4 to 24 hours, and seal.

3. Insert $\frac{3}{4}$ (20) thick preformed joint filler full depth and width.

ON DISTURBED SUBGRADE

Illinois Department of Transportation

PASSED January 1, 2015

Midael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1. 2015

ENGINEER OF DESIGN AND ENVIRONMENT

EDGES OF THE SIDEWALK.

CONCRETE SCORING PLAN.

6×6×W1.4×W1.4 WWF

MINIMUM REQUIREMENTS.

MC-30 PRIME COAT

@ 0.35 GAL/SY

4-1/2" BITUMINOUS CONC.

" THICK COMPACTED CA-6

6" THICK CLASS "SI"

CONCRETE WALK

EXISTING

BINDER COURSE

GRADED AND COMPACTED SUB-GRADE

4" THICK COMPACTED

AGGREGATE SUBBASE

CRUSHED LIMESTONE

SANITARY SEWER: 1. 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 ALLOWED. UNDER PAVED AREAS, TOP RING SHOULD BE RUBBER. USE ONE (1) EAST JORDAN IRON WORKS INFRA-RISER RUBBER COMPOSITE.

2. PIPES MUST HAVE A MINIMUM COVER DEPTH OF 5 FEET. PIPES MUST BE P.V.C. SDR26 WHEN LESS THAN 15 FEET DEEP, P.V.C. SDR21 WHEN 15-20 FEET DEEP AND P.V.C. SDR18 WHEN OVER 20 FEET DEEP.

ALL MANHOLES LOCATED IN AREAS SUBJECT TO INUNDATION MUST HAVE WATERPROOF BOLTED DOWN FRAMES AND LIDS.

VILLAGE CONTACT INFORMATION: MR. JONATHON ZABROCKI, P.E. c/o VILLAGE OF ROMEOVILLE 615 ANDERSON DRIVE ROMEOVILLE, ILLINOIS 60446 PHONE: (815) 866-1870

FIELD BOOK & PAGE: JJC3. P. 7-9



