FINAL ENGINEERING PLANS

FOR

ROMEOVILLE TRUCK WASH

ROMEOVILLE, ILLINOIS

PROJECT TEAM

OWNER/DEVELOPER

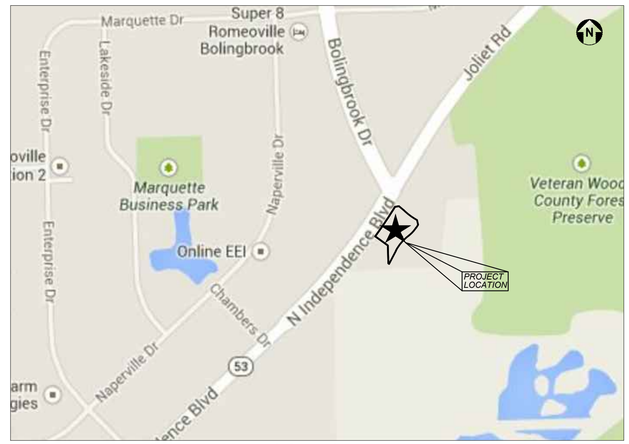
O&I Ventures, L.L.C.
360 Shenstone Road
Riverside, Illinois 60546
708 267 9021
Contact: Terri Alexander

ENGINEER

V3 Companies of Illinois, Ltd.
7325 Janes Avenue
Woodridge, Illinois 60517
630 724 9200
Project Manager: Steven Kranenborg, P.E.
Design Engineer: John Gross, E.I.T., LEED AP BD+C

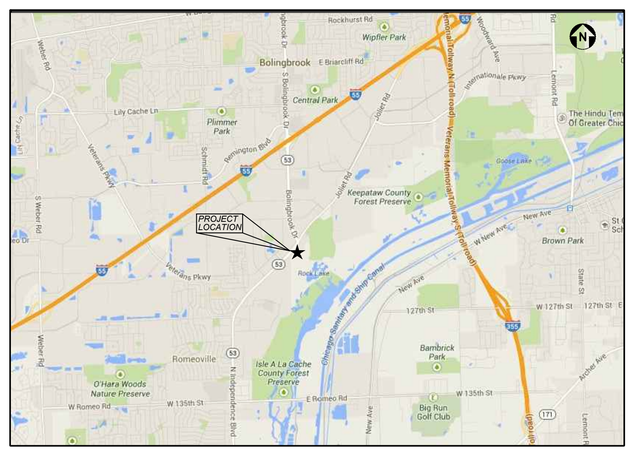
VILLAGE CONTACT

Village of Romeoville
615 Anderson Drive
Romeoville, Illinois 60446
815 886 1870
Contact: Jonathon Zabrocki



LOCATION MAP

NO SCALE



VICINITY MAP

NO SCALE

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BENCHMARKS

VERICAL DATUM SOURCE - FROM TOPOGRAPHIC SURVEY PREPARED BY WEAVER BOOS CONSULTANTS PREPARED OCTOBER 29, 2008

STATION DESIGNATION: 224 (WILL COUNTY)
ESTABLISHED BY: NGS

ELEVATION: 672.020 (PUBLISHED AND HELD - NOT VERIFIED BY V3)
(V3 HELD THE VERTICAL DATUM AND BENCHMARKS USED IN THE WEAVER BOOS TOPOGRAPHIC SURVEY IN ORDER TO BLEND INTO SAID SURVEY)

DATUM: NAVD88
DESCRIPTION: FROM INTERSECTION OF IL RTE 53 AND JOLIET RD GO NORTH ON JOLIET RD 1 MI (1.6 KM) TO BLUFF ROAD GO RIGHT (EAST) 0.95 MI. STATION IS IN FRON OF KEEPATAW FOREST PRESERVE SIGN. STATION IS FLUSH WITH SURFACE AND IS STAINLESS ROD WITH SLEEVE WITH CAST CAP AND LID.

SITE:

STATION DESIGNATION: SBM #1
ESTABLISHED BY: V3
DATE: 01-07-16

ELEVATION: 714.48 (MEASURED)
DATUM: NAVD88
DESCRIPTION: RR SPIKE IN POWER POLE ON WEST SIDE OF RTE 53, EAST OF 1277 NAPERVILLE DR.

STATION DESIGNATION: SBM #2
ESTABLISHED BY: V3
DATE: 01-08-16

ELEVATION: 698.50 (MEASURED)
DATUM: NAVD88
DESCRIPTION: RR SPIKE IN POWER POLE ON NORTH SIDE OF JOLIET RD, SOUTHEASTRELY FROM SOUTHEAST CORNER OF 265 MARQUETTE DR.

STATION DESIGNATION: SBM #3
ESTABLISHED BY: V3
DATE: 01-08-16

ELEVATION: 701.44 (MEASURED)
DATUM: NAVD88
DESCRIPTION: NORTHWEST BOLT ON FIRE HYDRANT ON NORTH SIDE OF JOLIET RD, SOUTHEASTERLY FROM EASTERLY CORNER OF #1231 NAPERVILLE DR.

DRAINAGE CERTIFICATION

I, STEVEN A. KRANENBORG, 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.

V3 Companies, Ltd.
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

Visio, Vertere, Virtute... "The Vision to Transform with Excellence"

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REVISIONS

NO.	DATE	DESCRIPTION	SHEETS REVISED	REV. BY

ORIGINAL ISSUE DATE: JULY 13, 2018

PROFESSIONAL ENGINEER'S CERTIFICATION

I, STEVEN A. KRANENBORG, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THIS SUBMISSION WAS PREPARED ON BEHALF OF O&I VENTURES L.L.C BY V3 COMPANIES UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS _____DAY OF_____, A.D., 2018.

ILLINOIS LICENSED PROFESSIONAL ENGINEER
MY LICENSE EXPIRES ON NOVEMBER 30, 2019

ILLINOIS LICENSED DESIGN FIRM NO. 184-000902

DRAWING NO.

C0.0

13159.LOT3 - TITLE SHEET

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GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

   a. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT, LATEST EDITION.

   b. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION.

   c. ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA. LATEST EDITION.

   d. THE LATEST EDITIONS OF THE MUNICIPAL CODE AND STANDARDS OF THE VILLAGE OF ROMEOVILLE.

   e. THE NATIONAL ELECTRIC CODE.

   f. THE ILLINOIS ACCESSIBILITY CODE.

   g. CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) REQUIREMENTS AS PUBLISHED BY THE IEPA. TESTING OF SOILS BEING EXPORTED FROM THE SITE AND APPROPRIATE DISPOSAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

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

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

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

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

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

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

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

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

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

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

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

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

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

21. ALL CURB RADII REFER TO BACK OF CURB.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		RIGHT-OF-WAY LINE
		PROPERTY LINE (EXTERIOR)
		LOT LINE (INTERIOR)
		EASEMENT LINE
		FENCE LINE
		CENTERLINE
		PROPERTY CORNER
710	710	CONTOUR
		CURB & GUTTER
		DEPRESSED CURB & GUTTER
		REVERSE PITCHED CURB
× 706.00	× 706.0	SPOT ELEVATION
782.62 / 782.12	782.62 / 782.12	*TOP OF CURB ELEVATION / EDGE OF PAVEMENT ELEVATION*
		UTILITY STUB
		SANITARY SEWER
		SANITARY FORCE MAIN
		STORM SEWER
W	W	WATER MAIN
G	G	GAS MAIN
T/E	T/E	UNDERGROUND TELEPHONE & ELECTRIC DUCT BANK
E	E	BURIED CABLE-ELECTRIC
T	T	BURIED CABLE-TELEPHONE
( )	( )	ATLAS LOCATED UTILITY
		UTILITY STRUCTURE WITH CLOSED LID
		CURB INLET
		DRAINAGE STRUCTURE WITH OPEN LID
		FIRE HYDRANT
		VALVE IN VALVE BOX
		GATE VALVE IN VALVE VAULT
		POST INDICATOR VALVE
		THRUST BLOCK
12" 11		TREE
		TREE LINE
		CONCRETE HEADWALL
		SUBMERGED HEADWALL
		FLARED END SECTION (F.E.S.)
		GUY WIRES
		FLOOD LIGHT
		UTILITY POLE
		LIGHT STANDARD
		TRAFFIC SIGNAL POLE
		HAND HOLE
		SOIL BORING
		IRRIGATION HEADS
		SIGN
		TELEPHONE MANHOLE
		MONITORING WELL
		TELEPHONE PEDESTAL
		TRANSFORMER PAD
	12"	UTILITY TO BE ABANDONED
		FEATURE TO BE REMOVED
		STORMWATER FLOW DIRECTION
		STORMWATER OVERFLOW ROUTE
		DITCH CHECK
		INLET FILTER BASKET
		RIP RAP
		BOLLARD
SF	SF	SILT FENCE
		WATER MAIN PROTECTION
	C01	UTILITY CROSSING LABEL
		GUARDRAIL
		RAILROAD TRACKS
		RETAINING WALL
		REVISION DELINEATION
	CLL	CONSTRUCTION LIMIT LINE
		TREE PROTECTION FENCE

ABBREVIATIONS

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

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 07-13-18

NO.	DATE	DESCRIPTION

PROJECT NO.: 13159.LOT3
PROJECT MANAGER: SAK
DESIGNED BY: JG
DRAWN BY: BJD

GENERAL NOTES AND LEGEND

ROMEOVILLE TRUCK WASH

ROMEOVILLE ILLINOIS

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

DRAWING NO.

C1.0

SPECIFICATIONS

EARTHWORK

1. THE GRADING OPERATIONS ARE TO BE INSPECTED BY A THIRD PARTY SOILS ENGINEER. THE CONTRACTOR'S REPRESENTATIVE MUST BE NOTIFIED PRIOR TO ANY UNSUITABLE SOIL REMOVAL AND MUST APPROVE, IN WRITING, ANY REMEDIATION. BOTH THE CONTRACTOR AND SOILS ENGINEER MUST BE PRESENT DURING REMEDIATION.

2. THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADE. A MINIMUM OF 6 INCHES OF TOPSOIL IS TO BE PLACED BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED, UNLESS OTHERWISE NOTED. REFER TO PLANTING PLANS TO VERIFY TOPSOIL THICKNESS REQUIREMENTS.

3. THE SURFACE VEGETATION, TOPSOIL, TRANSITIONAL MATERIAL, AND ANY OBVIOUSLY SOFT UNDERLYING SOIL SHALL BE STRIPPED FROM ALL AREAS TO RECEIVE STRUCTURAL FILL. IF THE UNDERLYING SUBGRADE IS FOUND TO BE UNSUITABLE FOR PROPER COMPACTION, CONTRACTOR TO CONSULT WITH SOILS ENGINEER PRIOR TO REMEDIATION.

4. EMBANKMENT MATERIAL WITHIN ROADWAY, DRIVEWAY, BUILDING AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D1557 (MODIFIED PROCTOR METHOD), OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER, THE AUTHORITY HAVING JURISDICTION, AND THE CONTRACTOR.

5. ALL PAVEMENT SUBGRADE SHALL MEET THE REQUIREMENTS DETERMINED BY THE SOILS ENGINEER AND DOCUMENTED IN THE GEOTECHNICAL REPORT. IF AREAS OF PAVEMENT SUBGRADE ARE ENCOUNTERED WHICH DO NOT MEET THESE REQUIREMENTS, SUBGRADE REPLACEMENT OR PAVEMENT DESIGN REVISIONS SHALL BE PROVIDED WHICH ARE ADEQUATE TO OBTAIN EQUIVALENT PAVEMENT STRENGTH AS DETERMINED BY THE ENGINEER, SOILS ENGINEER, AND THE AUTHORITY HAVING JURISDICTION.

6. COMPLETED GRADING (FINISHED FINE GRADE) FOR PROPOSED PAVEMENT SUBGRADE AREAS, BUILDING PADS, AND OPEN SPACE AREAS SHALL BE WITHIN A 0.1' TOLERANCE OF DESIGN SUBGRADE.

7. THE SUBGRADE FOR PROPOSED STREET AND PAVEMENT AREAS SHALL BE PROOF-ROLLED BY THE SUBCONTRACTOR IN THE PRESENCE OF THE JURISDICTIONAL INSPECTOR, CONTRACTOR, AND SOILS ENGINEER.

8. BORROW PIT LOCATION(S) SHALL BE APPROVED BY THE OWNER, ENGINEER, AND GEOTECHNICAL ENGINEER.

SANITARY SEWER

1. SANITARY SEWERS SHALL BE CONSTRUCTED OF THE FOLLOWING MATERIALS AS SPECIFIED ON THE PLANS:

   a. POLYVINYL CHLORIDE PLASTIC SEWER PIPE (PVC) CONFORMING TO ASTM D2241 WITH AN SDR OF 26 WITH ELASTOMETRIC GASKET JOINTS CONFORMING TO ASTM D3139.

   DUCTILE IRON PIPE, CLASS 52, CONFORMING TO ANSI A21.51 (AWWA C151) WITH JOINTS CONFORMING TO ANSI 21-11 (AWWA C-111).

   2. MANHOLES SHALL BE PRECAST CONCRETE STRUCTURES, WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION DETAIL SHEETS). FRAME AND COVER SHALL BE EAST JORDAN 1022Z3 EMBOSSED WITH "SANITARY" AND "Village of Romeoville".

3. ALL SANITARY SEWER SHALL BE TESTED FOR ACCEPTANCE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. CONTRACTOR SHALL VERIFY THAT THE TESTING METHODS DESIGNATED HEREIN ARE ACCEPTABLE TO LOCAL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT. IF THE LOCAL JURISDICTION HAS MORE STRINGENT TESTING REQUIREMENTS THE CONTRACTOR SHALL ADHERE TO THE MORE STRINGENT REQUIREMENTS. THE COST SHALL BE INCIDENTAL TO THE CONTRACT.

4. 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).

WATERMAIN DISTRIBUTION SYSTEM

1. WATER MAIN SHALL BE CONSTRUCTED OF THE FOLLOWING MATERIAL AS SPECIFIED ON THE PLANS:

   a. DUCTILE IRON PIPE, CLASS 52 CONFORMING TO ANSI A21.51, AWWA C-151 WITH CEMENT LINING CONFORMING TO ANSI A21.4, AWWA C-104. MECHANICAL JOINTS RESTRAINED WITH MEGALUGS (EBAA IRON) ONLY, CONFORMING TO ANSI A21.11 (AWWA CIII)

2. MINIMUM COVER OVER WATER MAIN SHALL BE 5' - 6" FROM FINISHED GRADE TO TOP OF PIPE.

3. VALVE VAULTS SHALL BE USED AT ALL VALVE LOCATIONS WHERE WATER MAIN IS 8" DIAMETER OR LARGER. VAULTS SHALL BE PRECAST CONCRETE STRUCTURES, WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION DETAIL SHEETS). FRAME AND COVER SHALL BE EAST JORDAN 1022Z3 EMBOSSED WITH "WATER" AND "Village of Romeoville".

4. MECHANICAL JOINTS RESTRAINED WITH MEGALUGS SHALL BE USED IN LIEU OF THRUST BLOCKING.

5. WATER MAIN FITTINGS (BENDS, ELBOWS, TEES, INCREASES, REDUCERS, ETC.) MAY OR MAY NOT BE SPECIFICALLY REFERENCED ON THE CONSTRUCTION PLANS. THEY ARE TO BE CONSIDERED AS INCIDENTAL AND INCLUDED IN THE LINEAL FOOTAGE COST OF THE WATER MAIN.

6. ALL WATER LINES ARE TO BE PRESSURE TESTED AND CHLORINATED PER THE REQUIREMENTS OF THE MUNICIPALITY AND THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

7. ALL WATER MAIN TO BE INSULATED WITH A 4-MILL C1055 LAMINATED POLYETHYLENE ENCASEMENT USING METHOD B. THE POLYETHYLENE ENCASEMENT MUST CONFORM TO AWWA C105 STANDARDS.

8. 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 BEEN 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.

9. A MINIMUM OF 48 HOURS PRIOR TO ANY WATER USAGES (I.E. FLUSHES, FILLS, 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.

10. ALL VALVES AND HYDRANTS SHALL BE SUBMITTED TO THE VILLAGE OF ROMEOVILLE WATER DEPARTMENT FOR WRITTEN APPROVAL PRIOR TO ORDERING.

11. MINIMUM SEPARATION BETWEEN PRIVATELY OWNED WATER SERVICE AND STORM SEWER SHALL BE TEN FEET.

STORM SEWER

1. STORM SEWERS SHALL BE CONSTRUCTED OF THE FOLLOWING MATERIALS AS SPECIFIED ON THE PLANS:

   A. REINFORCED CONCRETE PIPE (RCP) IN ONFORMANCE WITH IDOT STANDARD SPECIFICATIONS DETERMINATION FOR PIPE CLASS, AND CONFORMING TO ASTM C76. ALL STORM SEWER SHALL HAVE GASKETED JOINTS CONFORMING TO ASTM C-361, UNLESS OTHERWISE NOTED.

   B. POLYVINYL CHLORIDE PLASTIC SEWER PIPE (PVC) CONFORMING TO ASTM D3034 WITH ELASTOMERIC GASKETED JOINTS CONFORMING TO ASTM D3212.

   C. HIGH DENSITY POLYETHYLENE PIPE, HDPE, CONFORMING TO ASTM D3350 WITH ELASTOMERIC JOINTS CONFORMING TO ASTM D3212.

   D. DUCTILE IRON PIPE, CLASS 52, CONFORMING TO ANSI A21.51 (AWWA C151) WITH JOINTS CONFORMING TO ANSI 21-11 (AWWA C-111).

2. STORM SEWER STRUCTURES SHALL BE PRECAST OF THE TYPE AND DIAMETER AS SPECIFIED IN THE PLANS WITH APPROPRIATE FRAME AND LIDS (SEE CONSTRUCTION DETAIL). FRAME AND COVER SHALL BE EAST JORDAN 1022Z3 EMBOSSED WITH "STORM" AND "Village of Romeoville".

IEPA CROSSING REQUIREMENTS

1. HORIZONTAL SEPARATION:

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

   B. WATERMAINS MAY BE LAID CLOSER THAN TEN FEET TO A SEWER LINE WHEN:

   i. TYPICAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN FEET;

   ii. THE WATERMAIN IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER; AND

   iii. THE WATERMAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.

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

2. VERTICAL SEPARATION:

   A. A WATERMAIN SHALL BE LAID SO THAT ITS INVERT IS 18 INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATERMAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATERMAIN LOCATED WITHIN TEN FEET HORIZONTALLY OR ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATERMAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.

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

   i. IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN 9A) ABOVE; OR

   ii. THE WATERMAIN PASSES UNDER A SEWER DRAIN.

   C. A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATERMAIN SHALL BE MAINTAINED WHERE A WATERMAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATERMAIN.

   D. CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATERMAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET.

PAVING

1. BASE COURSE SHALL BE AGGREGATE BASE COURSE, CONFORMING TO IDOT STANDARD SPECIFICATIONS (SEE PLANS FOR THICKNESS).

2. SURFACE COURSE AND BINDER COURSE SHALL BE HOT-MIX ASPHALT (HMA) CONFORMING TO IDOT STANDARD SPECIFICATIONS (SEE PLANS FOR THICKNESS).

3. CURB & GUTTER AND SIDEWALK SHALL BE CLASS SI PORTLAND CEMENT CONCRETE CONFORMING TO IDOT STANDARD SPECIFICATIONS.

4. SUBGRADE SHALL BE FINISHED TO BE WITHIN 0.1 FEET OF DESIGN SUBGRADE ELEVATIONS BY THE EARTHWORK CONTRACTOR. FINE GRADING FOR PAVEMENTS AND SIDEWALKS SHALL BE THE RESPONSIBILITY OF THE PAVING CONTRACTOR.

5. AGGREGATE BASE COURSES SHALL BE PRIMED AT THE RATE OF 0.25 TO 0.50 GALLONS PER SQUARE YARD AND BRICK, CONCRETE, OR HMA BASES SHALL BE PRIMED AT THE RATE OF 0.05 TO 0.10 GALLONS PER SQUARE YARD WITH LIQUID ASPHALT CONFORMING TO THE IDOT STANDARD SPECIFICATIONS AND APPROPRIATE FOR PREVAILING WEATHER AND SITE CONDITIONS. PRIME COAT AND CLEANING THE EXISTING SURFACE SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

6. PAVEMENT SHALL BE CONSTRUCTED ON A THOROUGHLY COMPACTED SUBGRADE MEETING THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. PRIOR TO PLACEMENT OF THE NEW PAVEMENT, THE SUBGRADE SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK (MINIMUM 20 TONS). PROOF ROLLING SHALL BE WITNESSED BY THE GEOTECHNICAL CONSULTANT.

7. SIDEWALKS SHALL BE OF THE THICKNESS AND DIMENSIONS AS SHOWN IN THE CONSTRUCTION PLANS. CONTRACTION JOINTS SHALL BE SET AT 5' CENTERS AND ½ INCH PREMOLDED FIBER EXPANSION JOINTS SHALL BE SET AT 50' CENTERS AND WHERE THE SIDEWALK MEETS THE CURB, A BUILDING, OR AT THE END OF EACH POUR. ALL SIDEWALKS CONSIDERED TO BE ACCESSIBLE ROUTES AS DEFINED BY THE AMERICANS WITH DISABILITIES ACT (ADA) SHALL BE SUBJECT TO ILLINOIS ACCESSIBILITY CODE (IAC) REQUIREMENTS, UNLESS OTHERWISE NOTED.

8. TESTING OF THE SUBBASE, BASE COURSE, BINDER COURSE, SURFACE COURSE, AND CONCRETE WORK SHALL BE REQUIRED IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH THE SPECIFIC REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. A QUALIFIED TESTING FIRM SHALL BE EMPLOYED TO PERFORM THE REQUIRED TESTS.

9. ASPHALT JOINTS FOR BINDER AND SURFACE COURSES ARE TO BE STAGGERED.

Village of Romeoville - Minimum chlorination standards:

a. Gas chlorine must be used for disinfection.
b. The chlorination contractor must call 815-886-1870 a minimum of 24-hours in advance to schedule chlorination.
c. Only Village of Romeoville employees shall operate water system valves and turn on/off sampling whips while samples are being collected.
d. All chlorination and safety equipment must meet or exceed the standards and recommendations set by The Chlorine Institute, Inc.
e. 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.
f. The chlorination contractor must have two people present to chlorinate. One to monitor the cylinder and one to monitor in the field.
g. The chlorination contractor must be bonded and insured, and have proof of both on file with the Village.
h. The chlorination contractor must have updated 24-hour emergency phone numbers on file with the Village.
i. 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
j. 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.
k. Prior to chlorination, the chlorination contractor must provide a detailed written chlorination and flushing plan to the Village for review and written approval.
l. 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.

VILLAGE OF ROMEOVILLE - 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, 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 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 UNDEFLECTED 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 TELEVISED. 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

ORIGINAL ISSUE DATE: 07-13-18

REVISIONS

NO.	DATE	DESCRIPTION

NO.	DATE	DESCRIPTION

PROJECT NO.: 13159.LOT3
PROJECT MANAGER: SAK
DESIGNED BY: JG
DRAWN BY: BJD

SPECIFICATIONS

ROMEOVILLE TRUCK WASH

ROMEOVILLE ILLINOIS

7325 Janes Avenue
Woodridge, IL 60517
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DRAWING NO.

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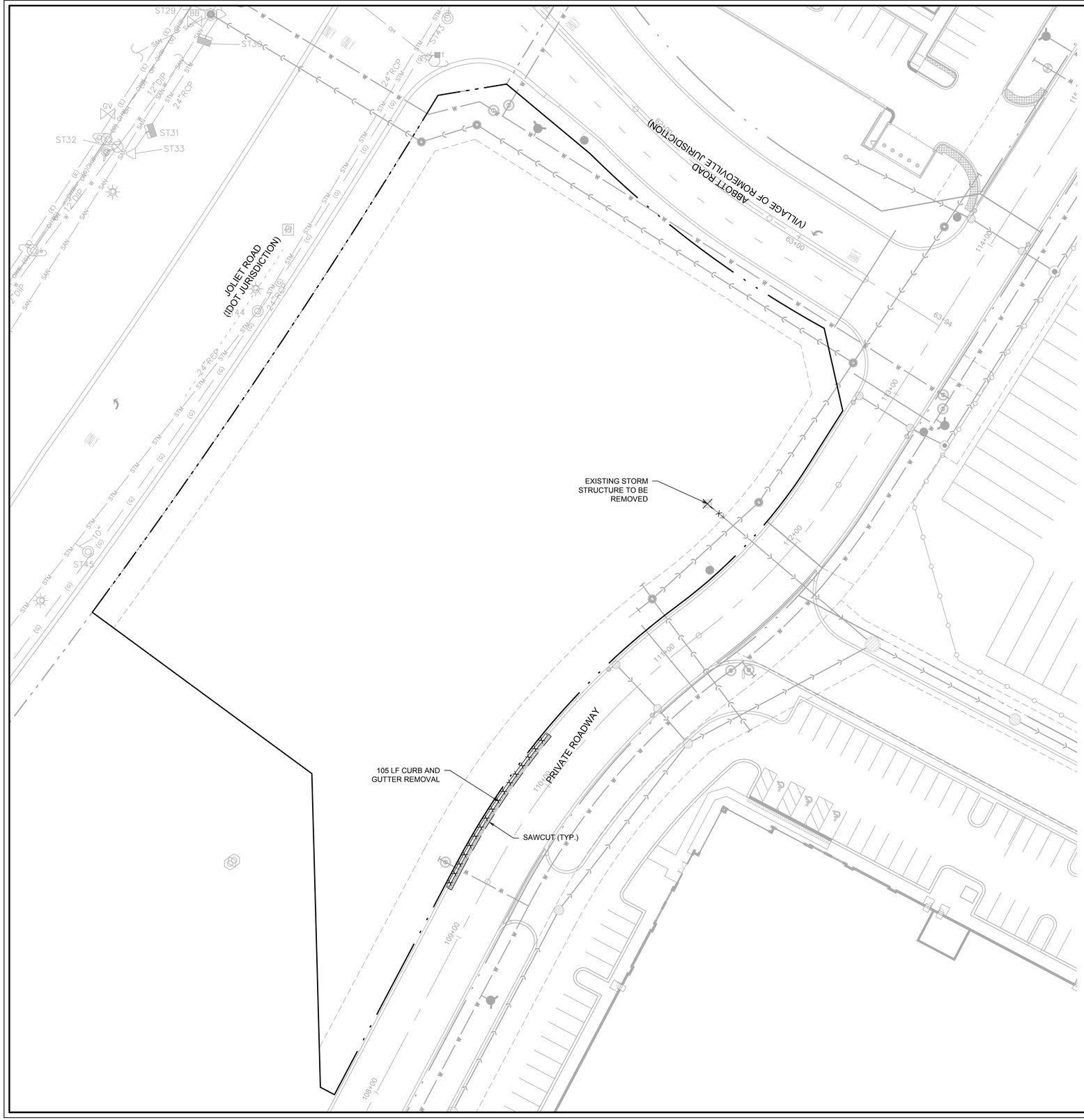

DEMOLITION PLAN

1. THE EXTENT OF DEMOLITION WORK IS AS GENERALLY SHOWN ON THE CONSTRUCTION DOCUMENTS. SPECIFIC DEMOLITION PROCESSES OR PROCEDURES FOR DEMOLITION AND STRUCTURAL CONSIDERATIONS ARE THE RESPONSIBILITY OF OTHERS. DEMOLITION INCLUDES, BUT IS NOT LIMITED TO, REMOVAL AND DISPOSAL OFFSITE OF THE FOLLOWING ITEMS:
   - SIDEWALK AND ON-SITE PAVEMENT
   - UTILITIES
   - CONSTRUCTION DEBRIS
2. ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO REMAIN SHALL BE SAWCUT FULL DEPTH AT THE EDGES PRIOR TO REMOVAL TO OBTAIN A "CLEAN" JOINT WHERE IT ABUTS NEW CURB OR PAVEMENT.
3. CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOLISHED SITE PAVEMENT AS STRUCTURAL FILL.
4. ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED AS WORK PROGRESSES AND AS APPROVED BY THE OWNER. SALVAGED ITEMS MUST BE TRANSPORTED FROM THE SITE AS THEY ARE REMOVED. STORAGE OR SALE OF REMOVED ITEMS ON SITE WILL NOT BE PERMITTED.
5. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF BUILDINGS, PAVEMENTS AND UTILITIES TO REMAIN FROM ANY DAMAGE AND SHALL BE RESPONSIBLE FOR REPAIRING THE SAME.
7. EXISTING UTILITIES, WHICH DO NOT SOLEY SERVICE STRUCTURES BEING DEMOLISHED, ARE TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS.
8. EXISTING UTILITIES TO BE ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FILLED WITH FA-1 OR APPROVED EQUAL. ALL UNDERGROUND UTILITIES TO BE REMOVED ARE TO HAVE THEIR TRENCHES BACKFILLED WITH ENGINEERED FILL OR SELECT EXCAVATED MATERIAL, AS APPROVED BY THE GEOTECHNICAL ENGINEER, TO 95% OF MODIFIED PROCTOR DENSITY.
9. ALL PRIVATE UTILITIES (ELECTRIC, CABLE, TELEPHONE, FIBER OPTIC, GAS) SHALL BE REMOVED AND RELOCATED PER THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.
10. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND THE GOVERNING MUNICIPALITY. DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED IN-KIND AND THEIR REPLACEMENT COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
11. REMOVAL, ABANDOMENT, AND RELOCATION OF EXISTING UTILITIES SHALL BE COMPLETED AS GENERALLY DEPICTED ON THESE PLANS. CONTRACTOR TO COORDINATE RELOCATIONS WITH THE UTILITY OWNER. CONTRACTOR SHALL MINIMIZE DISRUPTION OF SERVICE AND SHALL WORK WITH UTILITY OWNER TO MAINTAIN AN ACCEPTABLE LEVEL OF SERVICE.
12. USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO MINIMIZE DUST AND DIRT FROM RISING AND SCATTERING IN THE AIR. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
13. DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
14. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE IDOT APPROVED AGGREGATE (CA-6) OR APPROVED EQUAL.
15. SEE LANDSCAPE PLANS FOR INFORMATION ON LANDSCAPE AND TREE PROTECTION, PRESERVATION, AND REMOVAL.
16. EXISTING MONITORING WELLS ARE TO BE REMOVED AS NECESSARY AND SEALED BY STATE LICENSED WELL DRILLER PER ILLINOIS DEPARTMENT OF PUBLIC HEALTH REQUIREMENTS AND/OR LOCAL/COUNTY REQUIREMENTS.
17. THESE DRAWINGS DO NOT INCLUDE THE REMOVAL OF UNDERGROUND STORAGE TANKS. SHOULD UNDERGROUND STORAGE TANKS BE ENCOUNTERED, CONTRACTOR TO CONTACT OWNER AND ENGINEER TO DETERMINE RESPONSIBILITY FOR ANY ENVIRONMENTAL REMEDIATION OR REMOVAL WORK AS NECESSARY. ANY REMOVAL OF UNDERGROUND STORAGE TANKS MUST BE IN CONFORMANCE WITH LOCAL AND STATE STANDARDS.

DEMOLITION LEGEND

	ASPHALT PAVEMENT REMOVAL (FULL DEPTH)
– X X X–	CONC. CURB/GUTTER OR UTILITY LINE TO BE REMOVED
×	STRUCTURE/TREE TO BE REMOVED
— — — —	SAWCUT LINE

GRAPHIC SCALE

30 15 0 30

1" = 30'

REVISIONS

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DEMOLITION PLAN

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DRAWING NO.

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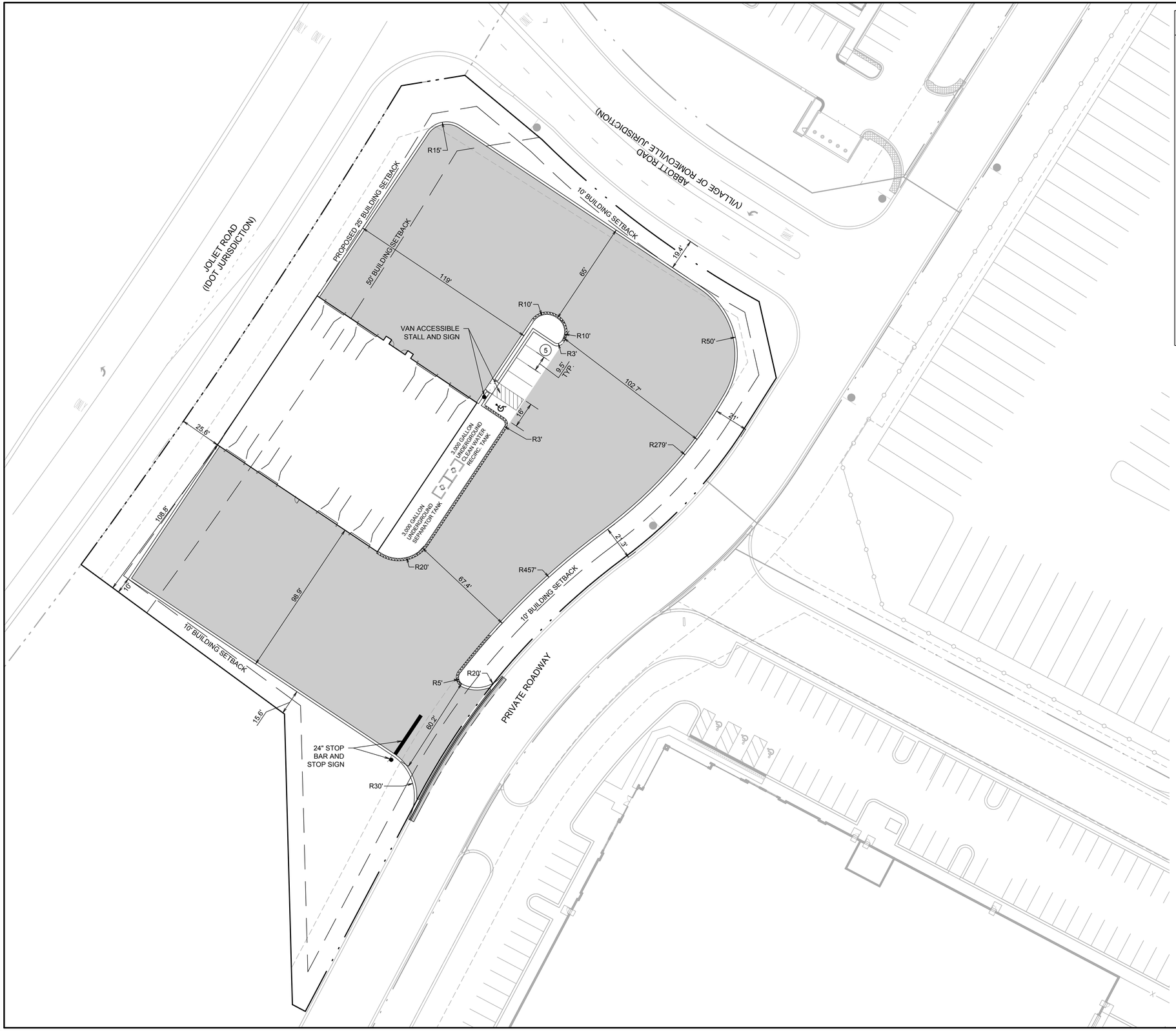

PAVING LEGEND

HEAVY DUTY HMA PAVEMENT

2" HMA SURFACE COURSE, MIX "D", N50
3" HMA BINDER COURSE, IL-19, N50
10" AGGREGATE BASE COURSE - CA6

REGULAR HMA PAVEMENT

1.5" HMA SURFACE COURSE, MIX "D", N50
2.5" HMA BINDER COURSE, IL-19, N50
8" AGGREGATE BASE COURSE - CA6

CONCRETE PAVEMENT (ALTERNATE)

8" P.C. CONCRETE PAVEMENT WITH (6X6/W2.9=W2.9) W.W.F.
4" AGGREGATE BASE COURSE - CA6

CONCRETE SIDEWALK

6" P.C. CONCRETE PAVEMENT
4" AGGREGATE BASE COURSE - CA6

NOTES:

1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
2. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
3. ALL CURB AND GUTTER SHALL BE B6.12 UNLESS OTHERWISE NOTED.
4. DETECTABLE WARNING PLATES SHOULD BE EAST JORDAN INSERTS, HEAVY DUTY LOAD RATING, BRICK RED OR BLACK POWDER COATING RHL3016. CONFIRM COLOR WITH OWNER AND MUNICIPALITY PRIOR TO INSTALLATION.
5. PROPOSED CURB AND GUTTER SHOULD BE DOWELED INTO EXISTING CURB AND GUTTER THAT HAS BEEN SAW CUT AND REMOVED. THREE (3) DRILLED AND GROUTED NO. 5 REINFORCING BARS OR EXPANSION TIE ANCHORS, 5/8" IN DIAMETER, SHALL BE USED TO TIE THE NEW CURB AND GUTTER TO THE EXISTING CURB AND GUTTER ON EACH SIDE.

GRAPHIC SCALE
30 15 0 30
1" = 30'

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LAYOUT PLAN

ROMEOVILLE TRUCK WASH

ROMEOVILLE ILLINOIS

7325 Janes Avenue
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DRAWING NO.
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NOTES:

1. ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO EDGE OF PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. SUBTRACT TOPSOIL THICKNESS OR PAVEMENT SECTION TO ESTABLISH SUBGRADE ELEVATIONS.
3. PROVIDE 1.50% CROSS SLOPE AND 4.00% MAXIMUM LONGITUDINAL SLOPE ON ALL SIDEWALKS AND PEDESTRIAN PATHS UNLESS OTHERWISE INDICATED. PLEASE NOTE THAT THE ILLINOIS ACCESSIBILITY CODE REQUIRES A MAXIMUM CONSTRUCTED CROSS SLOPE OF 2.00% AND LONGITUDINAL SLOPE OF 5.00%.

GRAPHIC SCALE

30 15 0 30

1" = 30'

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 07-13-18

NO.	DATE	DESCRIPTION

PROJECT NO.: 13159.LOT3

PROJECT MANAGER: SAK

DESIGNED BY: JG

DRAWN BY: BJD

GRADING PLAN

ROMEOVILLE TRUCK WASH

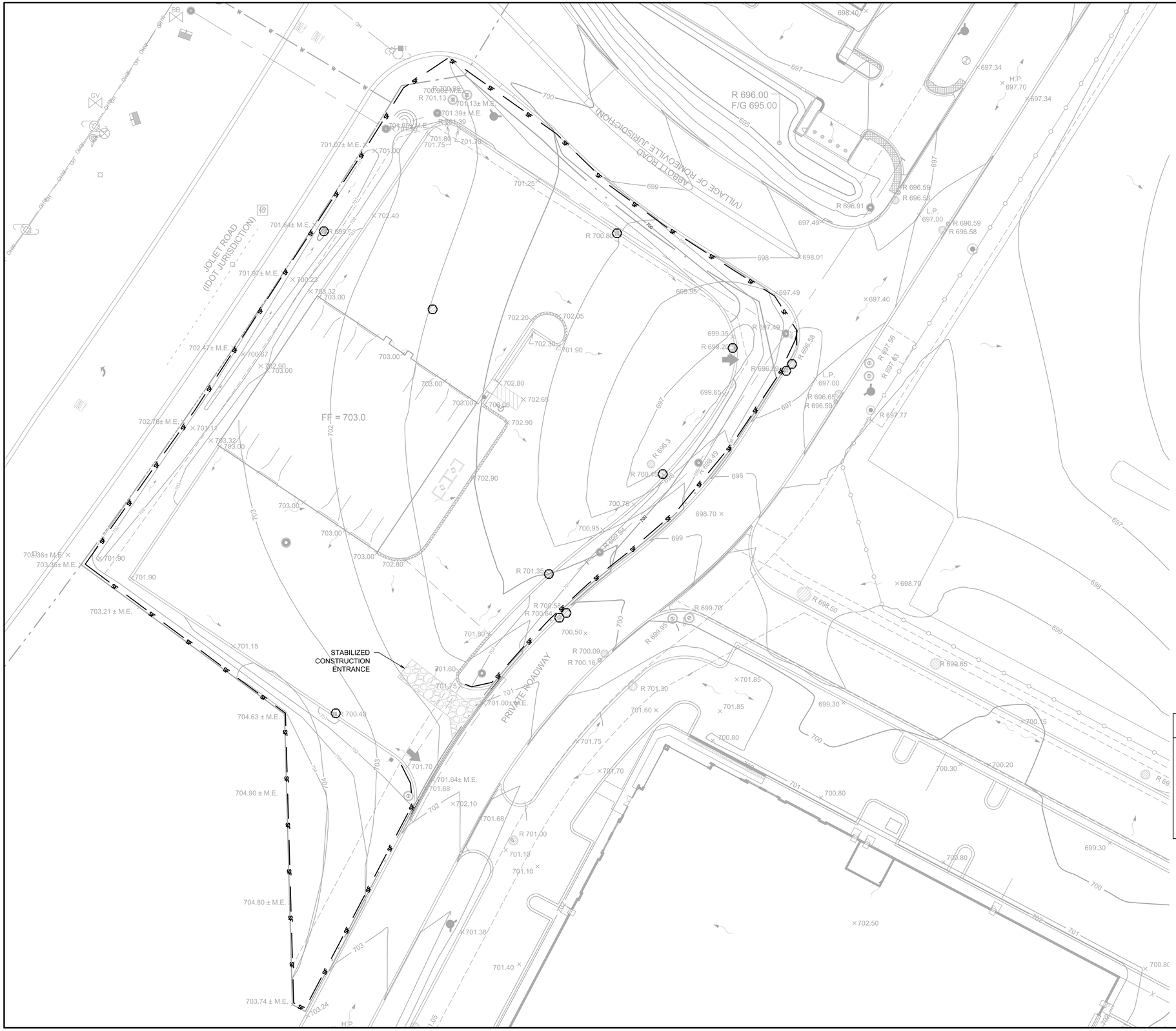
ROMEOVILLE ILLINOIS

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

DRAWING NO.

C4.0

E:\2013\13159\13159.LOT3\Drawings\ACAD\LD\S04\Sheet Drawings\C4.0 Grd13159.LOT3.dwg 7/13/2018



EROSION CONTROL NOTES:

1. CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF WORK.
2. CONTRACTOR TO INSTALL SILT FENCE PRIOR TO COMMENCEMENT OF ANY EARTHWORK. CONTRACTOR TO MAINTAIN SILT FENCE AS SHOWN AND INSTALL ADDITIONAL SILT FENCE WHEREVER NECESSARY THROUGHOUT CONSTRUCTION ACTIVITIES TO MINIMIZE SOIL EROSION.
3. CONTRACTOR TO INSTALL INLET PROTECTION ON ALL OPEN LID STRUCTURES. SEE INLET PROTECTION DETAIL ON SHEET C4.2.
4. EROSION CONTROL BLANKET (ROLLMAX ERONET S150 OR APPROVED EQUAL) SHALL BE PLACED ON ALL AREAS WITH SIDE SLOPES OF 8:1 OR GREATER, AND IN BOTTOM AND SIDE SLOPES OF ALL SWALES.
5. ALL SEDIMENT AND EROSION CONTROL MEASURES IN AND AROUND THE PROPOSED IMPROVEMENTS ARE TO REMAIN IN PLACE AND TO BE MAINTAINED THROUGHOUT CONSTRUCTION ACTIVITIES UNTIL THE PROPOSED IMPROVEMENTS ARE COMPLETED AND THE SITE ADEQUATELY STABILIZED.
6. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY V3 COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND INSPECTION FREQUENCY, AS REQUIRED BY THE IEPA NPDES PHASE II PERMIT PROGRAM REQUIREMENTS.
7. ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION ENTRANCE.
8. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTION.
9. 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.
10. 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.
11. 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.
12. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS FOLLOWING THE END OF ACTIVE DISTURBANCE OR REDISTURBANCE.
13. 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.
14. 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.
15. ALL STORM SEWER FRAMES AND GRATES/LIDS SHALL BE MARKED WITH "DUMP NO WASTE" AND "DRAINS TO CREEK."
16. 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 APPROPRIATE BMP'S TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THE CONSTRUCTION SITE.
17. 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.
18. 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.
19. TOPSOIL AND/OR TRENCH SPOIL STOCKPILES SHALL HAVE A ROW OF SILT FENCE AROUND THE PERIMETER OF THE BASE.

EROSION CONTROL LEGEND

— — —	DITCH CHECK
	INLET FILTER BASKET
	RIP RAP
——SF——	SILT FENCE
	EROSION CONTROL BLANKET

GRAPHIC SCALE

30 15 0 30

1" = 30'

ORIGINAL ISSUE DATE: 07-13-18

REVISIONS

NO.	DATE	DESCRIPTION

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PROJECT NO.: 13159.LOT3
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EROSION CONTROL PLAN

ROMEOVILLE TRUCK WASH

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630.724.9200 phone
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DRAWING NO.

C4.1

1. SITE DESCRIPTION
   A. THE CONSTRUCTION ACTIVITY CONSISTS OF CONSTRUCTION OF SITE GRADING, INFRASTRUCTURE FOR A COMMERCIAL DEVELOPMENT.

   B. THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH DISTURB SOILS FOR MAJOR PORTIONS OF THIS SITE IS: INSTALLATION OF SOIL EROSION CONTROL MEASURES, DEMOLITION OF EXISTING CONDITIONS, CLEARING AND GRUBBING, MASS GRADING, UTILITY CONSTRUCTION, FINE GRADING, PAVEMENT CONSTRUCTION AND LANDSCAPING.

   C. THE TOTAL AREA OF THE SITE IS 2.47 ACRES. 2.47 ACRES ARE EXPECTED TO BE DISTURBED BY EXCAVATION, GRADING, OR OTHER ACTIVITIES.

   D. THE RUNOFF COEFFICIENT OF THE SITE AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED IS ESTIMATED TO BE 0.95 FOR THE PAVEMENT AND 0.35 FOR LANDSCAPE. THE SOIL TYPES THAT ARE PREVALENT ON THE SITE ARE TROXEL AND WERSAW, WHICH BOTH HAVE A HYDROLOGIC GROUP B CLASSIFICATION.

   E. THIS PLAN INDICATES DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFFSITE SEDIMENT TRACKING, AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS), AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO A SURFACE WATER.

   F. THE RECEIVING WATER IS THE DESPLAINS RIVER.

2. CONTROLS.
   A. EROSION AND SEDIMENT CONTROLS.
      (I) STABILIZATION PRACTICES
      PRIOR TO MASS EARTHWORK OF EACH AREA OF THE SITE, SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCES BE INSTALLED AS INDICATED ON THE PLAN. UPON CONSTRUCTION OF THE STORM SEWER SYSTEM, INLET FILTERS SHALL BE INSTALLED. ALL DISTURBED AREAS OF THE SITE SHALL BE BROUGHT TO FINAL GRADE, RESPREAD WITH TOPSOIL AND ESTABLISHED WITH PERMANENT VEGETATION AS SOON AS PRACTICABLE. THESE CONTROLS SHALL BE ACTIVELY MAINTAINED UNTIL FINAL STABILIZATION OF THOSE PORTIONS OF THE SITE UPWARD OF THE PERIMETER CONTROL.

      DUST CONTROL MEASURES MUST BE IMPLEMENTED AT ALL TIMES DURING THE DURATION OF THE PROJECT, INCLUDING NON-WORKING HOURS, WEEKENDS, AND HOLIDAYS AND ARE REQUIRED UNTIL GROUND COVER HAS BEEN ESTABLISHED. COMMON DUST CONTROL MEASURES INCLUDE IRRIGATION OF THE SOILS ON DRY WINDY DAYS, THE USE OF MULCH, VEGETATIVE COVERS, SPRAY-ON ADHESIVES, BARRIERS, OR STONE.

      EXCEPT AS PROVIDED IN PARAGRAPHS (A) AND (B) BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

      (A) WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.

      (B) WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

      (II) STRUCTURAL PRACTICES
      STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED EARLY IN THE MASS GRADING PROCESS. DISTURBED AREAS OF THE SITE SHALL BE GRADED TO DRAIN TO THE STORMWATER FACILITY. SILT FENCE SHALL BE INSTALLED DOWNSTREAM OF ANY AREAS THAT DO NOT DRAIN THROUGH THE STORMWATER FACILITY. SILT FENCE SHALL BE ACTIVELY MAINTAINED UNTIL FINAL STABILIZATION OF THOSE PORTIONS OF THE SITE UPWARD OF THE PERIMETER CONTROL.

      (III) BEST MANAGEMENT PRACTICES FOR IMPAIRED WATERS
      FOR ANY SITE WHICH DISCHARGES DIRECTLY TO AN IMPAIRED WATER IDENTIFIED IN THE AGENCY'S 303(D) LISTING FOR SUSPENDED SOLIDS, TURBIDITY, OR SILTATION THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE DESIGNED FOR A STORM EVENT EQUAL TO OR GREATER THAN A 25-YEAR 24-HOUR RAINFALL EVENT. IF REQUIRED BY FEDERAL REGULATIONS OR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY5/32S ILLINOIS URBAN MANUAL, THE STORM WATER POLLUTION PREVENTION PLAN SHALL ADHERE TO A MORE RESTRICTIVE DESIGN CRITERIA.

   B. STORMWATER MANAGEMENT
      (I) STORMWATER MANAGEMENT FACILITIES FOR THIS SITE ARE EXISTING AND LOCATED OFFSITE.

      (II) RIP RAP IS TO BE PLACED AT DISCHARGE LOCATIONS TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO THE WATERCOURSE.

   C. OTHER CONTROLS.
      (I) WASTE DISPOSAL. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

      (II) EACH SUBCONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL AND SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

   D. APPROVED STATE OR LOCAL PLANS.

   EXCEPT WHERE MODIFIED ON THIS PLAN, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE SUBDIVISION AND DEVELOPMENT CODES AND STANDARDS OF THE VILLAGE OF ROMEOVILLE AS PUBLISHED BY THE MUNICIPALITY AND THE REQUIREMENTS CONTAINED IN ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 2002. IN THE EVENT OF CONFLICTING SPECIFICATIONS WITH REGARD TO SITEWORK ISSUES DESIGNED BY THE ENGINEER, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

3. MAINTENANCE.

EACH SUBCONTRACTOR SHALL MAINTAIN THE SEDIMENT AND EROSION CONTROL MEASURES IDENTIFIED ON THIS PLAN UNTIL THE SITE IS STABILIZED. ITEMS IN NEED OF REPAIR SHALL BE ADDRESSED AS SOON AS PRACTICABLE. MAINTENANCE ITEMS INCLUDE STRAW BALES, INLET FILTERS, SILT FENCE, CONSTRUCTION ENTRANCES, AND VEGETATION THROUGHOUT THE SITE. FURTHERMORE, ANY SOIL THAT IS TRANSPORTED OFFSITE SHALL BE CLEANED DAILY, OR AS REQUESTED BY THE LOCAL AGENCY.

4. INSPECTIONS.

QUALIFIED PERSONNEL (PROVIDED BY THE PERMITTEE) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL. QUALIFIED PERSONNEL MEANS A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICE OF EROSION AND SEDIMENT CONTROLS, SUCH AS A LICENSED PROFESSIONAL ENGINEER OR OTHER KNOWLEDGEABLE PERSON WHO POSSESSES THE SKILLS TO ASSESS CONDITIONS AT THE CONSTRUCTION SITE THAT COULD IMPACT STORM WATER QUALITY AND TO ASSESS THE EFFECTIVENESS OF ANY SEDIMENT AND EROSION CONTROL MEASURES SELECTED TO CONTROL THE QUALITY OF STORM WATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES.

   A. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

   B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH 1 (SITE DESCRIPTION) OF THESE NOTES AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN IN ACCORDANCE WITH PARAGRAPH 2 (CONTROLS) OF THESE NOTES SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

   C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PARAGRAPH 8 ABOVE SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE PERMIT COVERAGE EXPIRES OR IS TERMINATED. THE REPORT SHALL BE SIGNED BY THE PERMITTEE.

   D. THE PERMITTEE SHALL COMPLETE AND SUBMIT WITHIN 5 DAYS AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING AN INSPECTION CONDUCTED, INCLUDING THOSE NOT REQUIRED BY THE PLAN. SUBMISSION SHALL BE ON FORMS PROVIDED BY THE AGENCY AND INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE.

   E. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY THE PERMITTEE.

   F. ALL REPORTS OF NONCOMPLIANCE SHALL BE MAILED TO THE AGENCY AT THE FOLLOWING ADDRESS:

   ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
   DIVISION OF WATER POLLUTION CONTROL
   COMPLIANCE ASSURANCE SECTION
   1021 NORTH GRAND AVENUE EAST
   POST OFFICE BOX 19276
   SPRINGFIELD, ILLINOIS 62794-9276

5. NON-STORM WATER DISCHARGES.

THE FOLLOWING SOURCES OF NON-STORMWATER MAY BE COMBINED WITH STORMWATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN.

- FIRE FIGHTING ACTIVITIES
- WATER MAIN/ HYDRANT FLUSHING
- WATERING FOR DUST CONTROL
- IRRIGATION DRAINAGE FOR VEGETATIVE GROWTH
- WASH WATER WHERE DETERGENTS ARE NOT USED.
- UNCONTAMINATED GROUND WATER

NON-FIRE FIGHTING DISCHARGES FROM WATER MAINS AND PUMPS SHALL NOT BE PERMITTED TO FLOW DIRECTLY ONTO THE SOIL WITHOUT ENERGY DISSIPATERS SUFFICIENT TO REDUCE VELOCITIES TO A NON-EROSIVE RATE. ALL SITE DE-WATERING, INCLUDING PUMP DISCHARGE SHALL PASS THROUGH SEDIMENT CONTROL DEVICES PRIOR TO LEAVING THE SITE.

6. RETENTION OF RECORDS
   A. THE PERMITTEE SHALL RETAIN COPIES OF STORM WATER POLLUTION PREVENTION PLANS AND ALL REPORTS AND NOTICES REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT, FOR A PERIODS OF AT LEAST THREE YEARS FROM THE DATE THAT THE PERMIT COVERAGE EXPIRES OR IS TERMINATED. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE AGENCY AT ANY TIME.

   B. THE PERMITTEE SHALL RETAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN REQUIRED BY THIS PERMIT AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

7. NOTICE OF TERMINATION.

UPON FINAL STABILIZATION OF THE SITE THE PERMITTEE SHALL SUBMIT A COMPLETED NOTICE OF TERMINATION IN ACCORDANCE WITH NPDES PERMIT NO. ILR10.

8. CERTIFICATION STATEMENT.

THE FOLLOWING STATEMENT SHALL BE SIGNED PRIOR TO ANY WORK AUTHORIZED BY NPDES PERMIT NO. ILR10 IS PERFORMED AT THE SITE. THE UNDERSIGNED IS RESPONSIBLE FOR IMPLEMENTATION OF ALL MEASURES IDENTIFIED ON THIS PLAN. I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

DATED THIS _____ DAY OF _____, 2016
BY _____ TITLE _____
COMPANY _____
ADDRESS _____
TELEPHONE _____

THIS EROSION CONTROL PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND COMPLIES WITH THE URBAN SOIL CONTROL AND STANDARDS IN ILLINOIS MANUAL (LATEST EDITION) AND THE GENERALLY RECOGNIZED METHODS IN USE IN THE AREA.

_____
ILLINOIS LICENSED PROFESSIONAL ENGINEER 062-068598
MY LICENSE EXPIRES ON NOVEMBER 30, 2017

* EXPECTED DATE THAT CLEARING WILL BEGIN - SEPTEMBER, 2018
* ESTIMATED DURATION OF EXPOSURE OF CLEARED AREAS 1 YEAR

THE SEQUENCE OF CONSTRUCTION WILL BE AS FOLLOWS:

1. CLEARING AND GRUBBING AND STRIPPING OF TOPSOIL
2. MASS GRADE PARKING FACILITIES AND BUILDING PADS
3. INSTALLATION OF UTILITIES
4. CONSTRUCTION OF BUILDING FOUNDATIONS
5. PLACEMENT OF PAVEMENT
6. FINAL GRADING
7. PLACEMENT OF TOPSOIL
8. FINAL SITE STABILIZATION

EROSION CONTROL SCHEDULE

1. CLEARING OF THE SITE.
2. INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES INCLUDING SILT FENCE AND TEMPORARY CONSTRUCTION ENTRANCE.
3. SITE GRADING, INCLUDING INSTALLATION OF TEMPORARY SOIL STABILIZATION.
4. CONSTRUCTION OF STORM SEWER SYSTEM AND INSTALLATION OF INLET FILTER BASKETS.
5. CONSTRUCTION OF REMAINDER OF UNDERGROUND UTILITY SYSTEMS.
6. FINAL SITE GRADING.
7. PARKING LOT PAVING.
8. ESTABLISHMENT OF PERMANENT VEGETATION.
9. REMOVAL OF TEMPORARY EROSION CONTROL MEASURES.

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS NOT AT FINAL GRADE THAT WILL REMAIN UNDISTURBED FOR MORE THAN 14 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION.
3. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
4. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
5. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
6. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF EACH WORK DAY.
7. VEHICULAR ACCESS TO THE SITE SHALL BE RESTRICTED TO DESIGNATED STABILIZED CONSTRUCTION ENTRANCE LOCATIONS.

INSPECTION TASK	FREQUENCY OF INSPECTION	RESPONSIBLE PARTIES
REMOVE SEDIMENT DEBRIS TRANSPORTED OFF-SITE WHERE VEHICLES ARE ENTERING AND EXISTING THE SITE	DAILY	OWNER
INSPECT SITE TO ENSURE ALL EROSION CONTROL MEASURES ARE WORKING PROPERLY	ONCE A WEEK AND WITHIN 24 HOURS OF END OF A 0.5 IN OR GREATER STORM	OWNER
INSPECT, CLEAN OR REPLACE INLET FILTER BASKETS	ONCE A WEEK	OWNER
INSPECT, REPAIR, OR REPLACE SILT FENCE	ONCE A WEEK	OWNER
INSPECT, CLEAN OR REPLACE CONSTRUCTION ENTRANCE	ONCE A WEEK	OWNER
CHECK FOR DEBRIS IN ADJOINING DETENTION FACILITY, ESPECIALLY THE OUTLET PIPE AND SURROUNDING AREA	ONCE A WEEK	OWNER

NOTE:
THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT AND EROSION CONTROL MEASURES IDENTIFIED ON THE PLAN AND ANY OTHER MEASURES INSTALLED DURING THE CONSTRUCTION PHASES OF THE PROJECT UNTIL THE SITE IS STABILIZED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

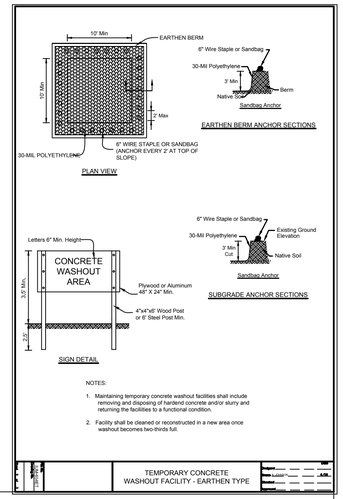
MAINTENANCE OF EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF:

O&I VENTURES, LLC
360 SHENSTONE ROAD
RIVERSIDE, IL 60546
ATT: TERRI ALEXANDER
708.267.9021

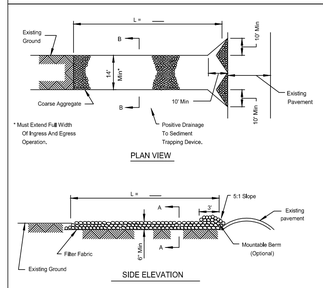
SUB-CONTRACTOR CERTIFICATION STATEMENT

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT (ILR 100000) THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

DATED THIS_____ DAY OF _____ ____ 20 ,
BY: _____TITLE:_____
COMPANY: _____
ADDRESS: _____
_____
TELEPHONE: _____



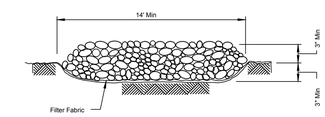
STABILIZED CONSTRUCTION ENTRANCE PLAN



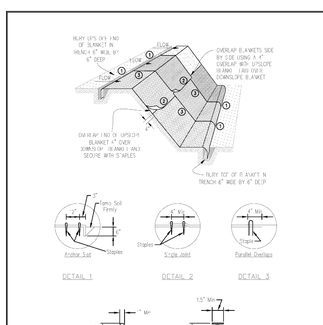
NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCK FILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

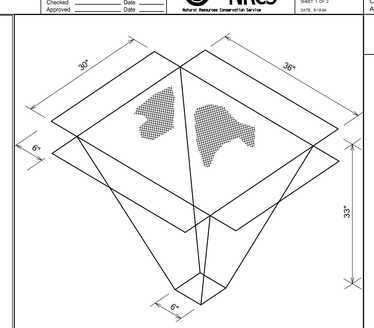
REFERENCE			STANDARD DWG. NO.
Project			IL-630
Designed	Date	NRCS Natural Resources Conservation Service	SHEET 1 OF 2
Checked	Date		DATE 9-10-04
Approved	Date		

STABILIZED CONSTRUCTION ENTRANCE PLAN



REFERENCE			STANDARD DWG. NO.
Project			IL-630
Designed	Date	NRCS Natural Resources Conservation Service	SHEET 2 OF 2
Checked	Date		DATE 9-10-04
Approved	Date		

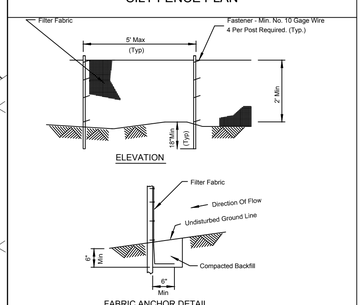




NOTES:
1. BASKET FILTERS ARE TO BE PROVIDED ON ALL STORM STRUCTURES THAT ACCEPT SURFACE FLOW. "SILT SAVER" FRAME AND FILTER ASSEMBLY OR VILLAGE APPROVED EQUAL.
2. THE INLET BASKET FILTERS ARE TO BE REMOVED BY THE CONTRACTOR WHEN THE SITE HAS BEEN STABILIZED.

INLET BASKET FILTER

SILT FENCE PLAN



NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE			STANDARD DWG. NO.
Project			IUM-620
Designed	Date		SHEET 1 OF 2
Checked	Date		DATE 3-16-12
Approved	Date		

ORIGINAL ISSUE DATE: 07-13-18

REVISIONS

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

PROJECT NO.: 13159.LOT3
PROJECT MANAGER: SAK
DESIGNED BY: JG
DRAWN BY: BJD

EROSION CONTROL NOTES AND DETAILS

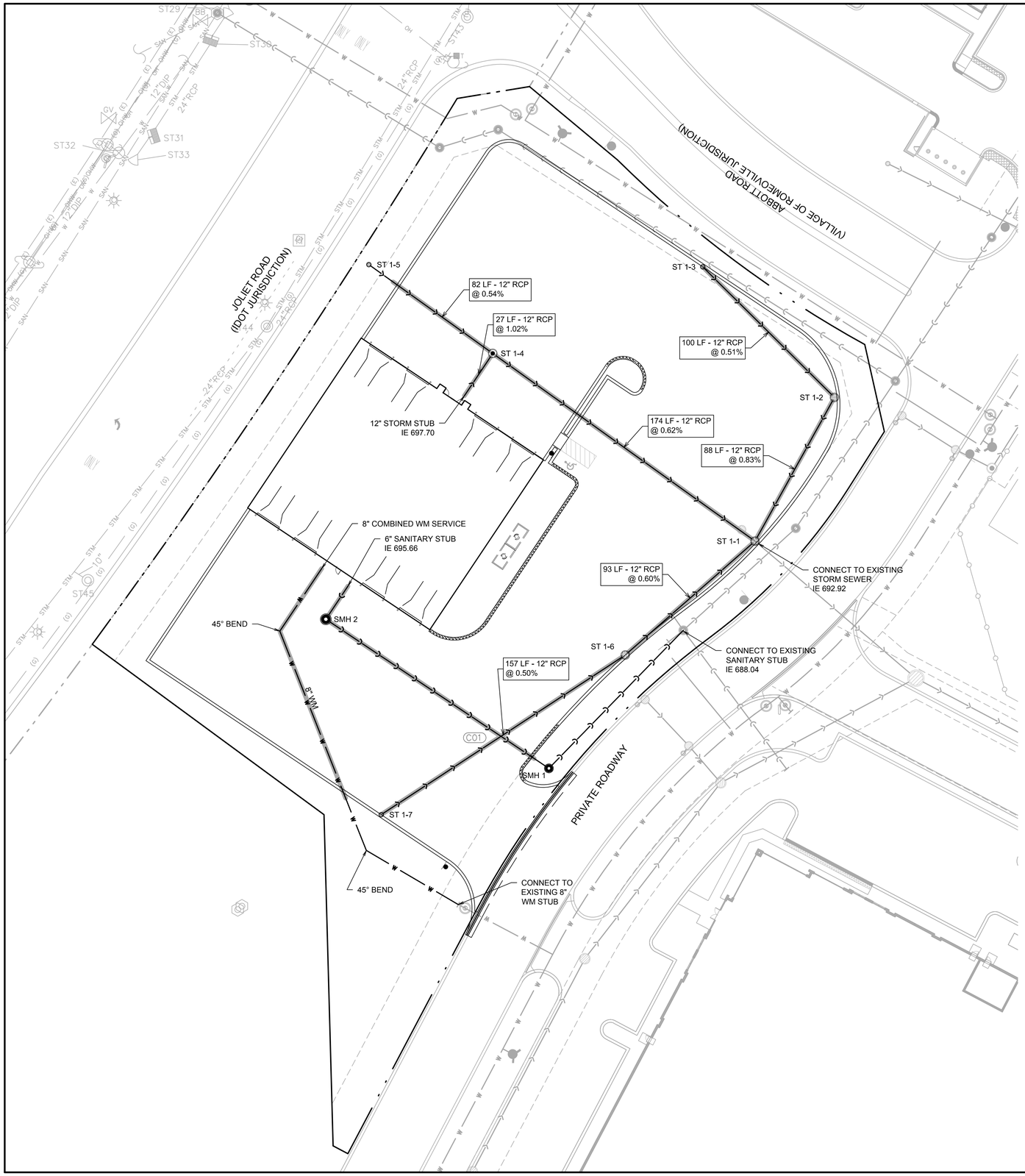
ROMEOVILLE TRUCK WASH

ROMEOVILLE ILLINOIS

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

DRAWING NO.

C4.2



UTILITY CROSSING

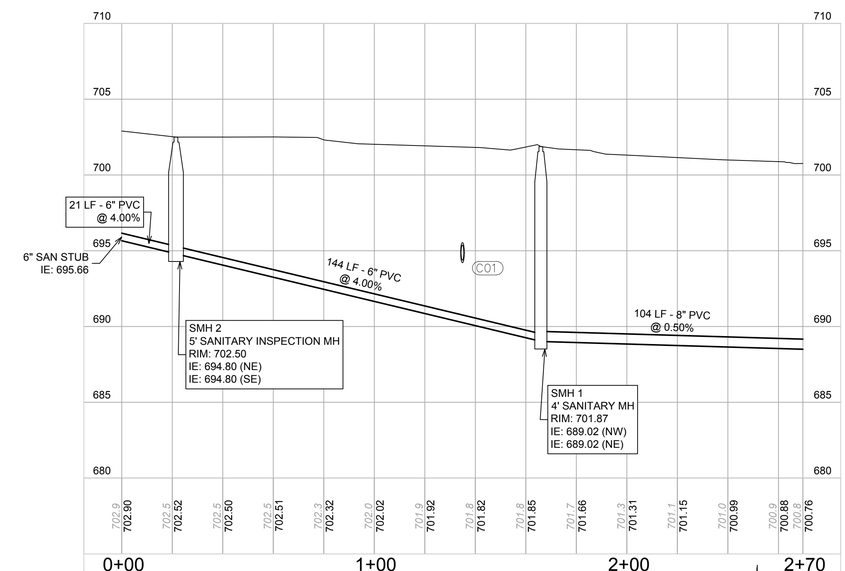
C01 12" ST B/P 694.37
6" SAN T/P 690.31

NOTES:

1. CONTRACTOR TO FIELD VERIFY LOCATION, INVERT, AND SIZE OF ALL EXISTING UTILITIES PRIOR TO ORDERING MATERIALS OR BEGINNING UTILITY WORK. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
2. UNLESS INDICATED OTHERWISE, FRAME AND OPEN LID STORM STRUCTURES IN PAVEMENT SHALL BE NEENAH R-2502 WITH TYPE D LID OR APPROVED EQUAL, AND FRAME AND CLOSED LID STORM STRUCTURES IN PAVEMENT SHALL BE NEENAH R-1772 OR APPROVED EQUAL. FRAME AND OPEN LID STORM STRUCTURES IN OPEN SPACE SHALL BE R-4340-B OR APPROVED EQUAL. ALL FRAME AND GRATES SHALL CONFORM TO LOCAL MUNICIPALITY REQUIREMENTS. FRAME AND CLOSED LID STORM STRUCTURES LOCATED WITHIN AN ACCESSIBLE ROUTE SHALL BE "NEENAH R-1772 WITH TYPE C LID (OR EQUIVALENT) WITH PERMA-GRIP SURFACE. DRILL 1 - 1" DIAMETER LIFT HOLE INSTEAD OF A STANDARD PICK HOLE."
3. LIGHT POLES SHOWN FOR COORDINATION OR LOCATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE PLANS BY SITE LIGHTING CONSULTANT FOR SITE LIGHTING INFORMATION.
4. STORMWATER DETENTION FOR THE PROPERTY IS NOT REQUIRED. WATER QUALITY FOR THE PROPERTY IS PROVIDED IN AN OFF-SITE REGIONAL STORMWATER MANAGEMENT FACILITY. SEE THE STORMWATER MANAGEMENT REPORT BY V3 COMPANIES DATED SEPTEMBER 22, 2017.

STORM STRUCTURE TABLE

STRUCTURE	DESCRIPTION	RIM	INVERT IN	INVERT OUT
ST 1-1	4' MH (Open)	RIM: 700.47	693.42 (12" SW) 695.30 (12" NE) 693.42 (12" NW)	692.92 (24" SE)
ST 1-2	4' MH (Open)	RIM: 699.33	696.03 (12" NW)	696.03 (12" SW)
ST 1-3	2' Inlet	RIM: 700.80		696.54 (12" SE)
ST 1-4	4' MH (Closed)	RIM: 702.62	697.70 (12" SW) 694.49 (12" NW)	694.49 (12" SE)
ST 1-5	2' Inlet	RIM: 699.95		694.93 (12" SE)
ST 1-6	4' MH (Open)	RIM: 701.35	693.98 (12" SW)	693.98 (12" NE)
ST 1-7	2' Inlet	RIM: 700.40		694.76 (12" NE)



GRAPHIC SCALE

HORIZONTAL: 0 15 30 (IN FEET)

VERTICAL: 0 2.5 5 (IN FEET)

GRAPHIC SCALE

30 15 0 30

1" = 30'

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 07-13-18

NO.	DATE	DESCRIPTION

PROJECT NO.: 13159.LOT3
PROJECT MANAGER: SAK
DESIGNED BY: JG
DRAWN BY: BJD

UTILITY PLAN

ROMEOVILLE TRUCK WASH

ROMEOVILLE ILLINOIS

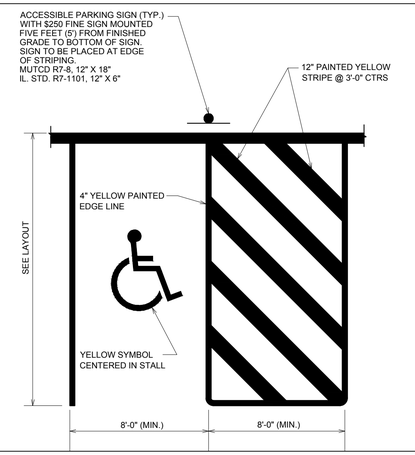
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

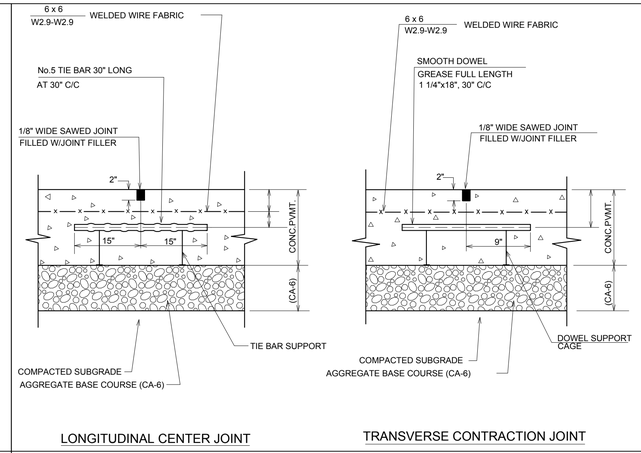
C5.0

ACCESSIBLE PARKING SIGN
WITH $250 FINE SIGN
MUTCD R7-8, 12"x18"
MUTCD R7-8a, 12"x6"

ACCESSIBLE PARKING SIGN



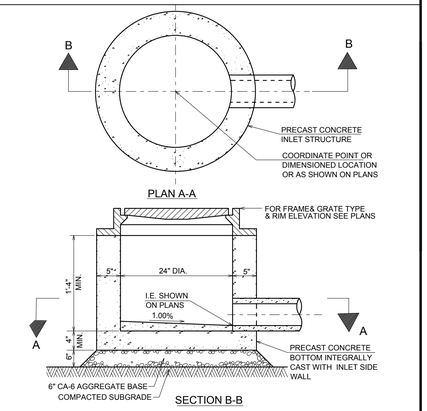
ACCESSIBLE PARKING STALL DETAIL



LONGITUDINAL CENTER JOINT

TRANSVERSE CONTRACTION JOINT

CONCRETE PAVEMENT JOINTS

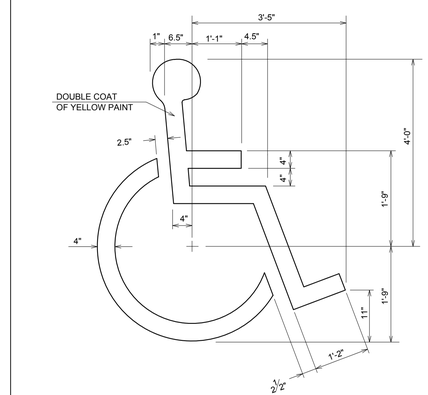


SECTION B-B

NOTE:

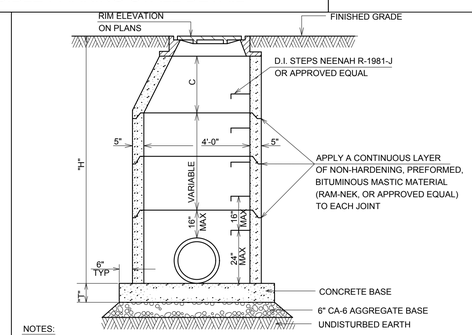
1. WHEN RIM ADJUSTMENTS ARE REQUIRED TO MATCH FINAL GRADE, THE ADJUSTMENT SHALL BE COMPLETED WITH A MAXIMUM OF TWO PRECAST CONCRETE RINGS SET IN A BED OF PREFORMED, NON-HARDENING MASTIC (RUB-R-NEK OR APPROVED EQUAL). MAXIMUM HEIGHT ADJUSTMENT SHALL BE 10 INCHES.

2' DIAMETER INLET - TYPE A



NOTE: SYMBOL TO BE CENTERED IN PARKING STALL.

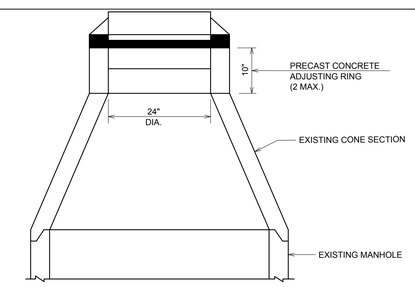
PAINTED ACCESSIBLE STALL SYMBOL



NOTES:

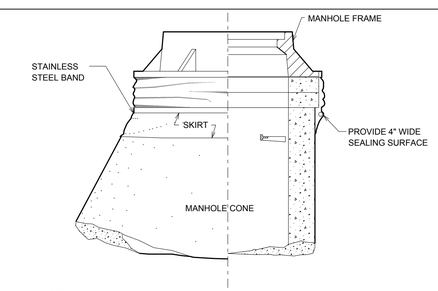
1. WHEN "H" EQUALS 12 FT. OR LESS, "T" = 8" FOR "H" OVER 12 FT. "T" = 10"
2. REFER TO MANHOLE ADJUSTMENT FOR DETAIL OR INFORMATION REGARDING STRUCTURE ADJUSTMENTS.
3. FOR DIAMETER: 4'-0"; C= 2'-8"
4. THE FLAT SLAB TOP MAY BE USED IN LIEU OF THE TAPERED TOPS AT THE OPTION OF THE CONTRACTOR OR WHEN FIELD CONDITIONS PROHIBIT THE USE OF TAPERED TOPS.

4' DIAMETER STORM MANHOLE



1. WHEN ADJUSTMENTS ARE NECESSARY, A MINIMUM OF TWO ADJUSTING RINGS (MIN. 6" ADJUSTING HEIGHT) AND A MAXIMUM OF THREE RINGS (MAX. 10" ADJUSTING HEIGHT). NO 1" OR 2" CONCRETE RINGS ARE ALLOWED.
2. DRESS UP INTERIOR JOINTS WITH HYDRAULIC CEMENT. APPLY A CONTINUOUS LAYER OF NON-HARDENING PREFORMED BITUMINOUS MASTIC MATERIAL (RUB-R-NEK OR E Z STIK) TO EACH JOINT TO PREVENT INFLOW.
3. WHEN ADJUSTMENT HEIGHT EXCEEDS 10" MANHOLE RECONSTRUCTION IS REQUIRED.
4. UNDER PAVED AREAS, TOP RING SHALL BE RUBBER. USE ONE EJIW INFRA-RISER RUBBER COMPOSITE.

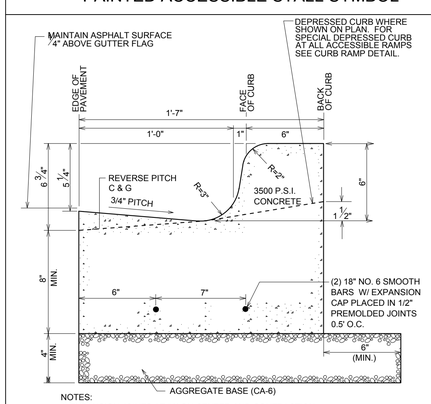
MANHOLE ADJUSTMENT DETAIL



NOTES:

1. CHIMNEY SEALS SHALL BE INSTALLED ON ALL VALVE VAULTS, SANITARY SEWER SYSTEM MANHOLES, AND GREASE TRAP CATCH BASIN.
2. CHIMNEY SEALS SHALL BE INTERNAL/ EXTERNAL ADAPTOR SEALS BY ADAPTOR, INC. BY CRETEX SPECIALTY PRODUCTS, OR VILLAGE APPROVED EQUAL.
3. INTERNAL CHIMNEY SEAL SHALL BE A HIGH SOLIDS, FLUID APPLIED POLYUREA ELASTOMER OR POLYURETHANE REPAIR MATERIAL SUCH AS ENVIROLASTIC AR350 BRUSH GRADE, RAVEN 581, OR VILLAGE APPROVED EQUAL.
4. CHIMNEY SEALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

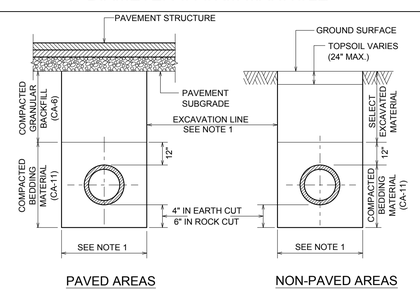
INTERNAL / EXTERNAL CHIMNEY SEAL



NOTES:

1. EXPANSION JOINTS AT 50' ON CENTER AND CONTRACTION JOINTS AT 25' ON CENTERS.
2. CONCRETE SHALL BE CLASS "SI" WITH 6 BAG MIX.
3. THE MINIMUM LONGITUDINAL CURB SLOPE SHALL BE 0.3%.

B6.12 CURB AND GUTTER



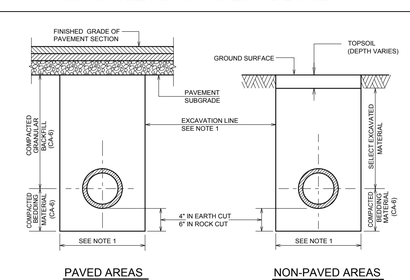
PAVED AREAS

NON-PAVED AREAS

NOTES:

1. EXCAVATION LINE :
   PIPE SIZES UP TO 24", USE I.D. PLUS 20"
   PIPE SIZES OVER 24", USE O.D. PLUS 24"
2. LIMITS OF TRENCH GRANULAR BACKFILL SHALL EXTEND 2' OUTSIDE ALL PAVED AREAS.
3. BEDDING MATERIAL FOR PVC PIPE INSTALLATION SHALL COMPLY WITH ASTM D-2321, CLASS 1.

TRENCH BACKFILL SECTIONS FOR PVC SANITARY SEWER



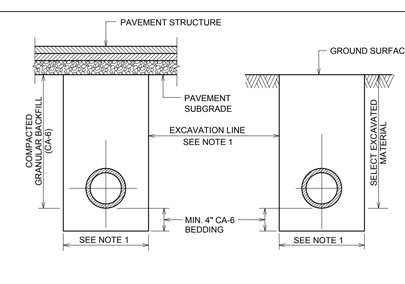
PAVED AREAS

NON-PAVED AREAS

NOTES:

1. EXCAVATION LINE :
   PIPE SIZES UP TO AND INCLUDING 24", USE I.D. PLUS 20"
   PIPE SIZES OVER 24", USE O.D. PLUS 24"
2. LIMITS OF TRENCH BACKFILL SHALL EXTEND 2' OUTSIDE ALL PAVED AREAS.

TRENCH BACKFILL SECTIONS FOR STORM SEWER



PAVED AREAS

NON-PAVED AREAS

NOTES:

1. EXCAVATION LINE:
   PIPE SIZES UP TO 24", USE I.D. PLUS 20"
   PIPE SIZES OVER 24", USE O.D. PLUS 24"
2. LIMITS OF TRENCH GRANULAR BACKFILL SHALL EXTEND 2' OUTSIDE ALL PAVED AREAS.
3. PROVIDE UNIFORM PIPE SUPPORT.
   - DIG CROSS TRENCHES EXCAVATED 2" WIDER THAN BELL
   - OR SEAT PIPE IN UNIFORM GRANULAR BEDDING

TRENCH BACKFILL SECTIONS FOR WATER MAIN

REVISIONS			
NO.	DATE	DESCRIPTION	

ORIGINAL ISSUE DATE: 07-13-18

PROJECT NO.: 13159.LOT3
PROJECT MANAGER: SAK
DESIGNED BY: JG
DRAWN BY: BJD

CONSTRUCTION DETAILS

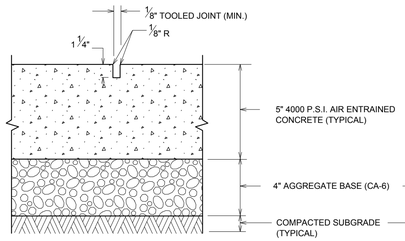
ROMEOVILLE TRUCK WASH

ROMEOVILLE ILLINOIS

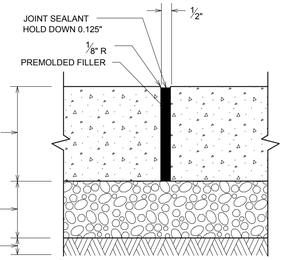
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
www.v3co.com

DRAWING NO.

C6.0



CONTRACTION JOINT DETAIL

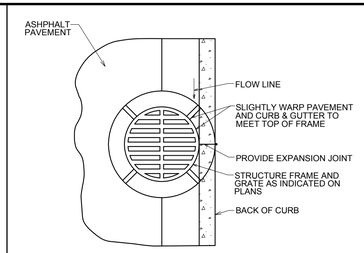


EXPANSION JOINT DETAIL

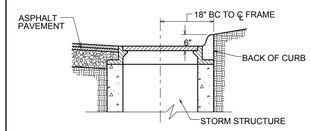
NOTE:

UNLESS OTHERWISE NOTED ON PLANS, CONTRACTION JOINTS TO BE 5'-0" O.C. AND EXPANSION JOINTS TO BE 40'-0" O.C. MAX., OR AT BACK OF CURB, CHANGE OF DIRECTION, OTHER WALK, UTILITY APPURTENANCE, OR FACE OF STRUCTURE.

CONCRETE SIDEWALK JOINTS

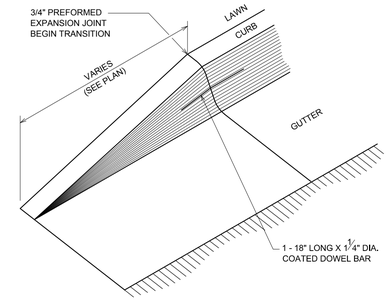


PLAN VIEW
B6.12 AND M3.12 CURB & GUTTER



SECTION VIEW
B6.12 CURB & GUTTER

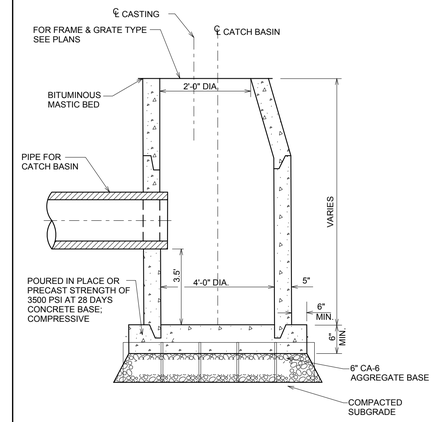
INLET WITH FRAME LOCATION



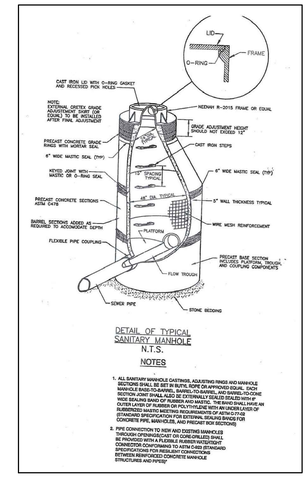
NOTE:

ISOMETRIC VIEW SHOWING METHOD OF CURB TAPER.

CURB TERMINATION



4' DIA. CATCH BASIN



DETAIL OF TYPICAL SANITARY MANHOLE
N.T.S.

NOTES

1. ALL SANITARY MANHOLE CASTINGS, ADJUSTING RINGS AND MANHOLE SECTIONS SHALL BE SET IN BUTYL ROPE OR APPROVED EQUAL. EACH MANHOLE BASE-TO-BARREL, BARREL-TO-BARREL, AND FRAME-TO-CONE JOINT SHALL ALSO BE EXTERNALLY SEALED (SEALED WITH UP WIDE SEALING BAND OF RUBBER AND MASTIC. THE BAND SHALL HAVE AN OUTER LAYER OF MASTIC MEETING REQUIREMENTS OF ASTM C891 OVER RUBBERIZED MASTIC MEETING REQUIREMENTS OF ASTM C990 (STANDARD SPECIFICATION FOR EXTERNAL SEALING BANDS FOR CONCRETE PIPE, MANHOLES, AND PRECAST BOX SECTIONS)

2. PIPE CONNECTION TO NEW AND EXISTING MANHOLES SHALL BE MADE WITH A FLEXIBLE RUBBER BOOT. BOOTS TO BE PROVIDED WITH A FLEXIBLE RUBBER WATERTIGHT CONNECTION CONFORMING TO ASTM C923 (STANDARD SPECIFICATION FOR RESILIENT CONNECTORS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPES)

SANITARY MANHOLE

REVISIONS

NO.	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 07-13-18

NO.	DATE	DESCRIPTION

PROJECT NO.: 13159.LOT3
PROJECT MANAGER: SAK
DESIGNED BY: JG
DRAWN BY: BJD

CONSTRUCTION DETAILS

ROMEOVILLE TRUCK WASH

ROMEOVILLE ILLINOIS

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

DRAWING NO.
C6.1

Notes:

1) The Contractor shall provide and install all plant materials in quantities sufficient to complete planting shown on the drawing. All plants shall comply with the requirements of the current American Standard for Nursery Stock, published by the American Nursery and Landscape Association. Plants shall meet size, genus, species and variety and be in good health, free of insects, diseases or defects. No "park grade" material shall be accepted. Trees not exhibiting a central (or single) leader will be rejected unless called out in the plant list as multi-stem. Quantity lists are supplied as a convenience. The Contractor shall verify all quantities and, in case of a discrepancy, the plan shall prevail. No plants are to be changed or substituted without approval from a representative of James Dowden & Associates, Inc.

2) All plants shall be watered during the first 24-hour period after installation. A watering schedule must be agreed upon with the Owner, before plantings are installed, of whom, when and how plant materials are to be properly watered. The Contractor is responsible for site visits to ensure the proper watering is being done for establishment and health of all plant materials.

3) Plants shall be balled and burlapped unless otherwise noted on the landscape plan. Not root bound material shall be accepted and all wrapping materials made of synthetics or plastics shall be removed at the time of planting. It is the Contractor's option to roll back burlap from the top of the root ball.

4) Recommended mulch depth is 4" of shredded hardwood bark. The Contractor shall avoid over mulching and the creation of "mulch volcanoes". Mulch beds shall extend a minimum of two feet beyond the center of a tree or shrub. Mulch must be pulled at least two inches from the base of a tree so the base of the trunk and root crown are exposed.

5) Prepare perennial beds with one cubic yard of garden compost per 100 sf. The compost shall be rototilled to an 8" depth.

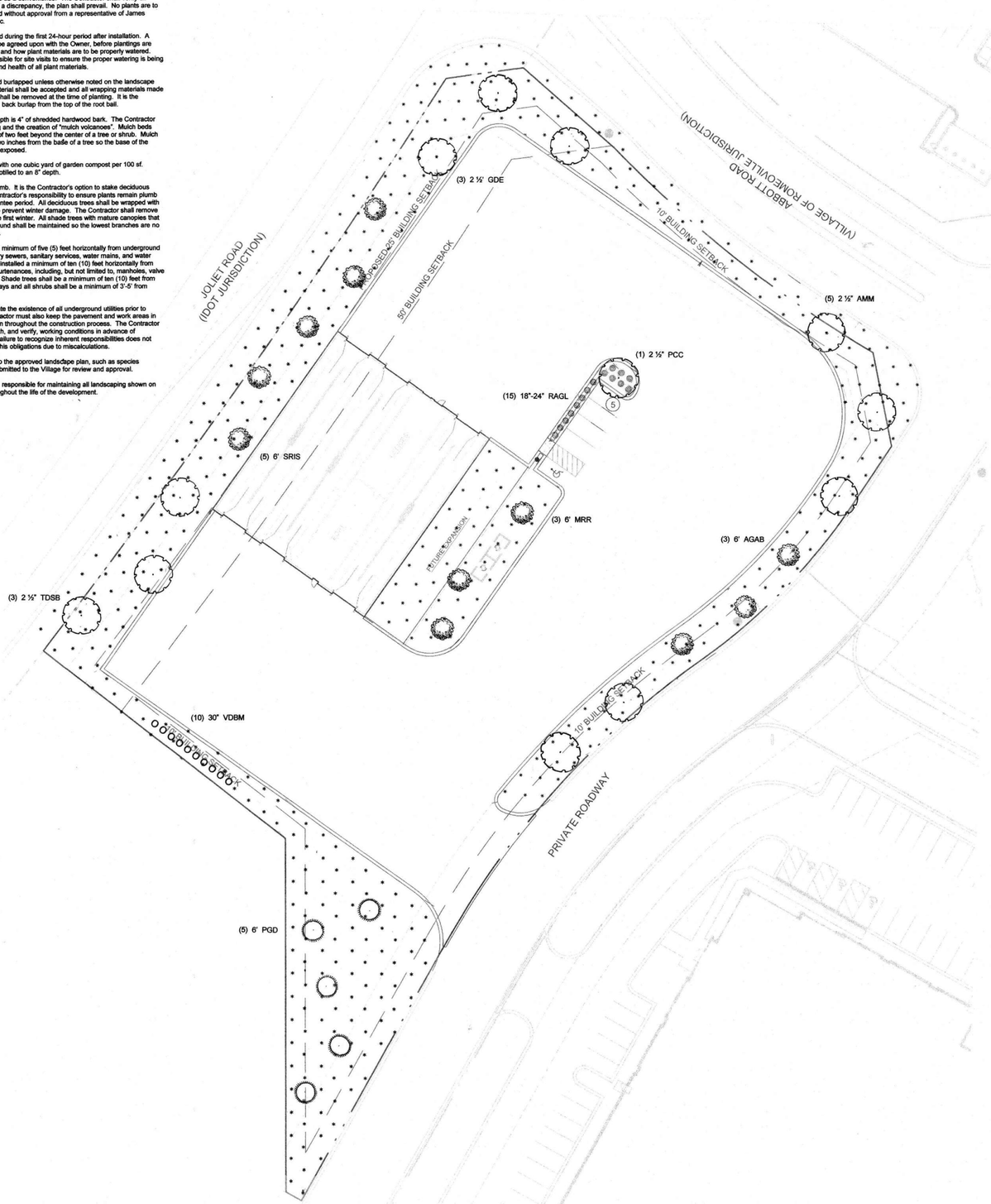
6) All plants shall be set plumb. It is the Contractor's option to stake deciduous trees but it is also the Contractor's responsibility to ensure plants remain plumb until the end of the guarantee period. All deciduous trees shall be wrapped with an approved tree wrap to prevent winter damage. The Contractor shall remove all tree wrap following the first winter. All shade trees with mature canopies that will overhang the playground shall be maintained so the lowest branches are no less than 7' above grade.

7) 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, and valve boxes. Shade trees shall be a minimum of ten (10) feet from all light poles and driveways and all shrubs shall be a minimum of 3'-5' from all fire hydrants.

8) The Contractor shall locate the existence of all underground utilities prior to starting work. The Contractor must also keep the pavement and work areas in neat and orderly condition throughout the construction process. The Contractor shall acquaint himself with, and verify, working conditions in advance of submitting a proposal. Failure to recognize inherent responsibilities does not relieve the Contractor of his obligations due to miscalculations.

9) Any proposed changes to the approved landscape plan, such as species substitutions, shall be submitted to the Village for review and approval.

10) Property owners shall be responsible for maintaining all landscaping shown on the approved plans throughout the life of the development.



PLANT LIST

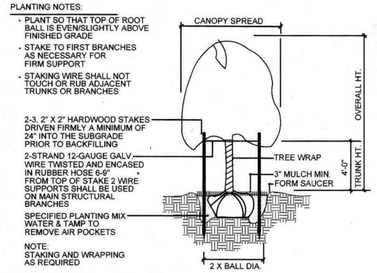
Qty.	Common Name	Botanical Name	Size	Remarks	Code
5	State Street Miyabe Maple	Acer miyabei 'Morton'	2 ½"	B&B	AMM
3	Espresso Kentucky Coffee Tree	Gymnocladus dioica 'Espresso'	2 ½"	B&B	GDE
1	Chanticleer Pear	Pyrus calleryana 'Chanticleer'	2 ½"	B&B	PCC
3	Shawnee Brave Bald Cypress	Taxodium distichum 'Shawnee Brave'	2 ½"	B&B	TXSB
3	Autumn Brilliance Serviceberry	Amelanchier grandiflora	6'	B&B	AGAB
3	Royal Raindrops Crabapple	Malus 'Royal Raindrops'	6'	B&B	MRR
5	Ivory Silk Japanese Tree Lilac	Syringa reticulata 'Ivory Silk'	6'	B&B	SRIS
5	Black Hills Spruce	Picea glauca 'Densata'	6'	B&B	PGD
15	Gro Low Sumac	Rhus aromatica 'Gro Low'	18"-24"	Cont.	RAGL
10	Blue Muffin Viburnum	Viburnum dentatum 'Blue Muffin'	30"	Cont.	VDBM

GRAPHIC SCALE

30 15 0 30

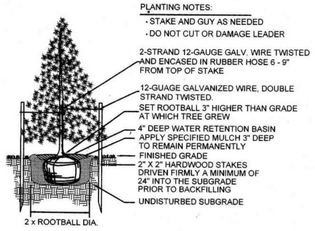
1" = 30'

PLANTING DETAILS



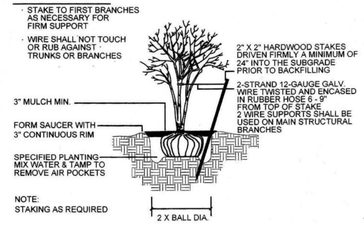
TREE PLANTING & STAKING

NOT TO SCALE



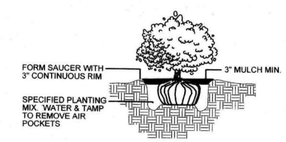
EVERGREEN TREE PLANTING

NOT TO SCALE



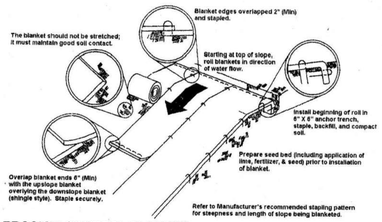
MULTI-TRUNK TREE STAKING

NOT TO SCALE



SHRUB PLANTING

NOT TO SCALE



DS-75 EROSION CONTROL BLANKET

NOT TO SCALE

PREMIUM BLUEGRASS MIX 4-5 LBS PER 1,000 SF

20% MIDNIGHT KENTUCKY BLUEGRASS
20% DENIM KENTUCKY BLUEGRASS
20% LANGARA KENTUCKY BLUEGRASS
20% BLUESTAR KENTUCKY BLUEGRASS
10% PRIZM PERENNIAL RYEGRASS
10% SUNSHINE PERENNIAL RYEGRASS

PROVIDE TOPSOIL, FINISH GRADE, FERTILIZER, PREMIUM BLUEGRASS SEED MIX, AND NORTH AMERICAN GREEN DS75, OR SIMILAR, EROSION CONTROL BLANKET

REVISIONS	BY

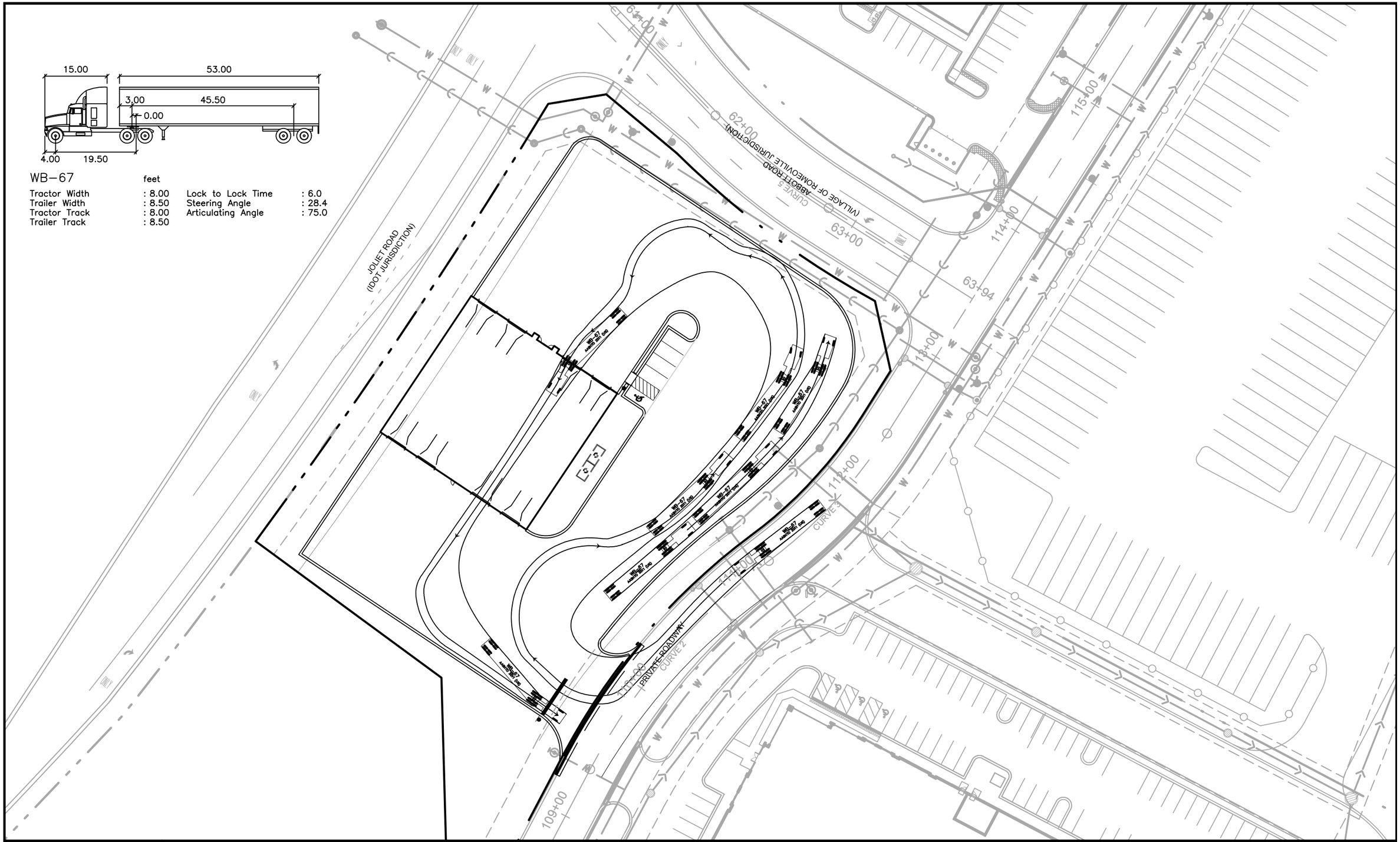
Dowden Landscape Design
P.O.Box 415, Libertyville, IL 60048
Phone: (847) 362-1254
Email: dowdenassoc@sbcglobal.net

ROMEOVILLE TRUCK WASH

LANDSCAPE PLAN

ABBOTT & JOLIET ROADS
ROMEOVILLE, ILLINOIS

Date	07.16.18
Scale	1"=30'
Drawn	CJD
Job	
Sheet	L – 1.0



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

ROMEOVILLE TRUCK WASH

ROMEOVILLE *LOT 3* *ILLINOIS*

FIRST BAY TRUCK ROUTE

DATE: 07-17-18

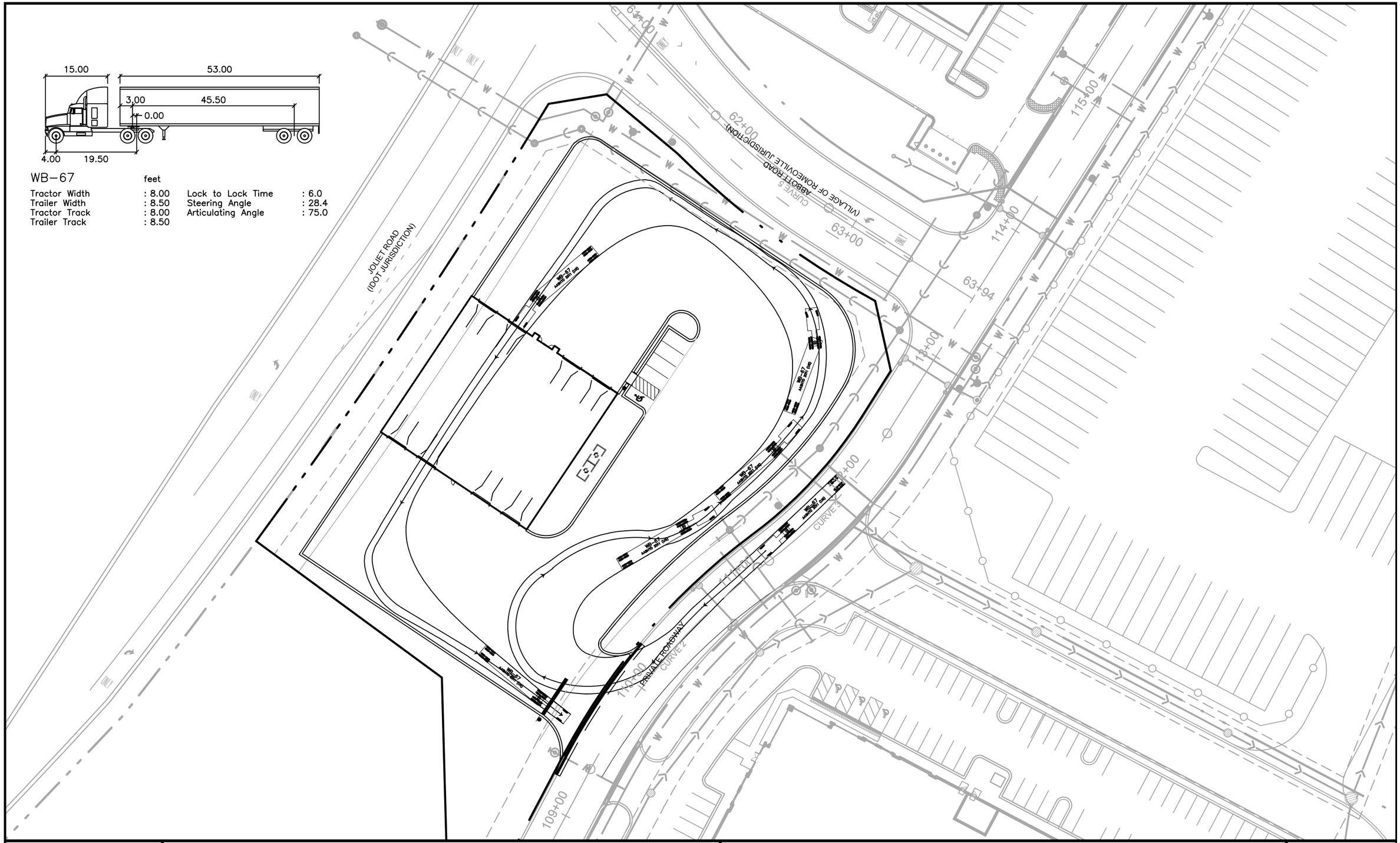
0 30 60

SCALE: 1"=60'

E:\2013\13159\13159.LOT3\Drawings\ACAD\LD\S03\Misc Drawings\Autoturn1 13159.LOT3.dwg 7/18/2018

WB−67 feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		



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ROMEOVILLE TRUCK WASH

ROMEOVILLE *LOT 3* *ILLINOIS*

SECOND BAY TRUCK ROUTE

DATE: 07-17-18

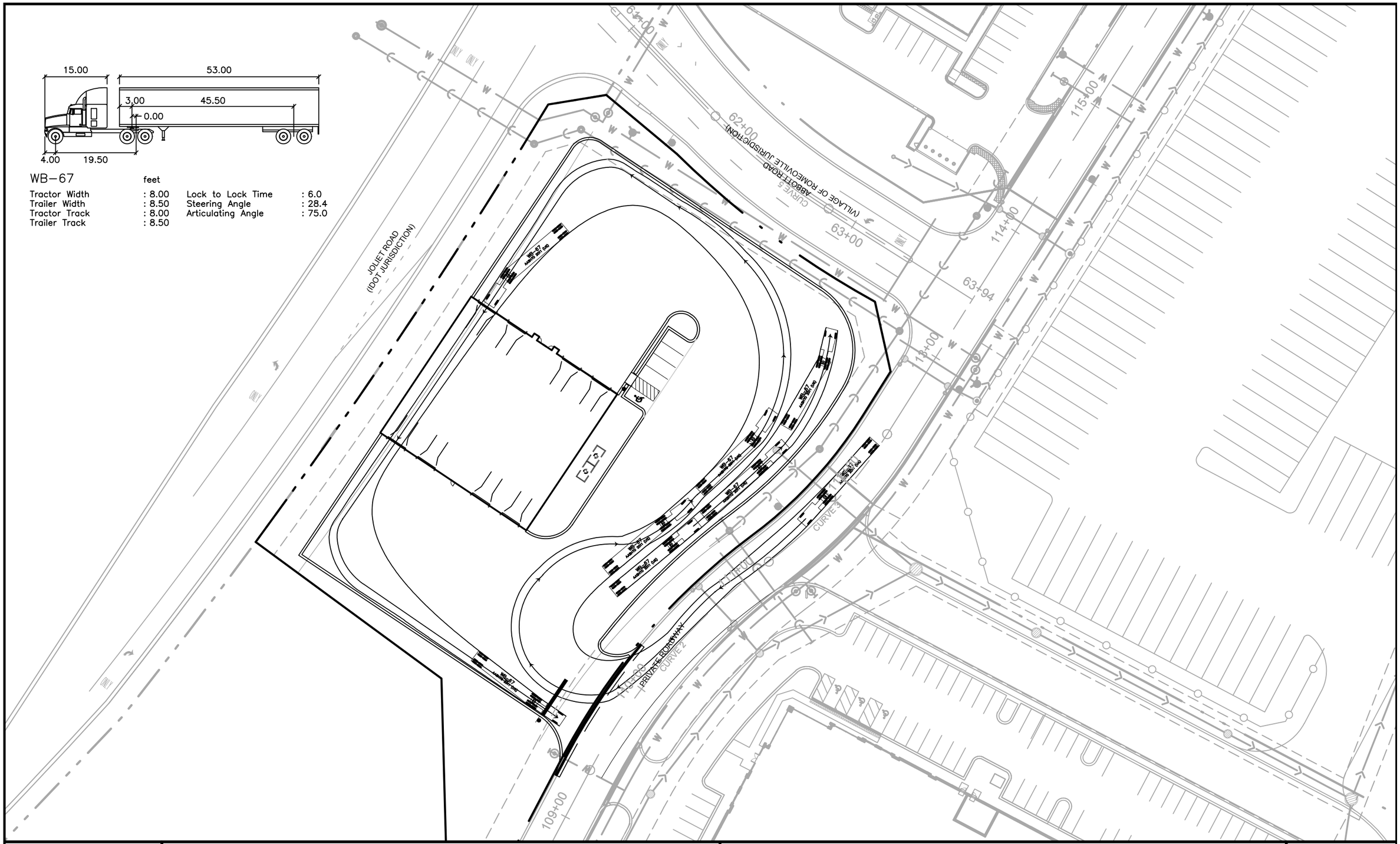
0 30 60

SCALE: 1"=60'

E:\2013\13159\13159.LOT3\Drawings\ACAD\LD\S03\Misc Drawings\Autoturn1 13159.LOT3.dwg 7/18/2018

WB−67 feet

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		



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ROMEOVILLE TRUCK WASH

ROMEOVILLE *LOT 3* *ILLINOIS*

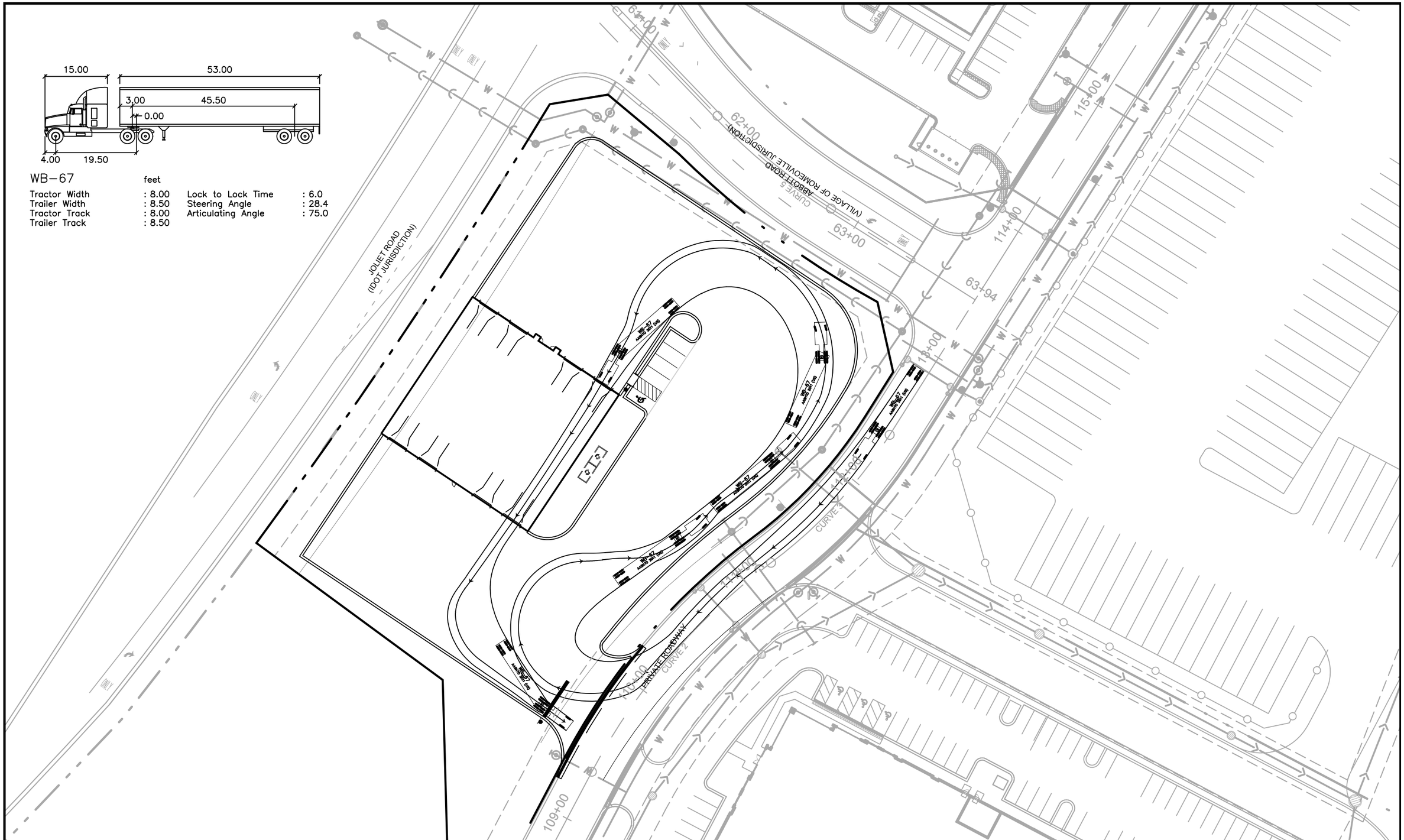
THIRD BAY TRUCK ROUTE

DATE: 07-17-18

0 30 60

SCALE: 1"=60'

E:\2013\13159\13159.LOT3\Drawings\ACAD\LD\S03\Misc Drawings\Autoturn1 13159.LOT3.dwg 7/18/2018



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ROMEOVILLE TRUCK WASH

ROMEOVILLE *LOT 3* *ILLINOIS*

FOURTH BAY TRUCK ROUTE

DATE: 07-17-18

N

0 30 60

SCALE: 1"=60'

E:\2013\13159\13159.LOT3\Drawings\ACAD\LD\S03\Misc Drawings\Autoturn1 13159.LOT3.dwg 7/18/2018