CONTRACT NO. 63207

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	1

9-18-09 Letting, Item 115

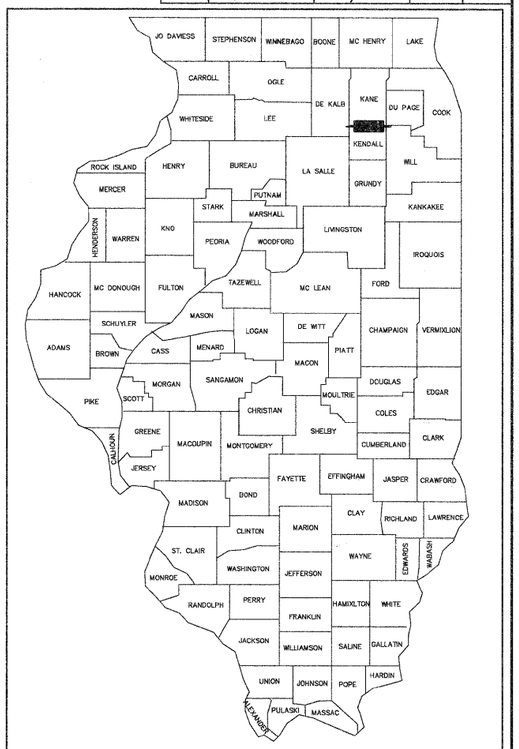
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

F.A.U. ROUTE 1680 (BASELINE ROAD)
SECTION 05-00038-00-PV
PROJECT HPP-0887(003)
JOB C-91-278-06
PAVEMENT CONSTRUCTION AND UTILITY IMPROVEMENTS
KANE AND KENDALL COUNTIES

FIELD ENGINEER CONTACT: MARILIN SOLOMON 847-705-4407
CONSULTING ENGINEER: ENGINEERING ENTERPRISES, INC. CONTACT: RON NAYLOR 630-466-6700

FOR INDEX OF SHEETS AND PAVEMENT DESIGN INFORMATION, STRUCTURAL PAVEMENT DESIGN INFORMATION, SPEED LIMITS AND ADT SEE SHEET NO. 2



LOCATION OF SECTION INDICATED THUS: - [redacted] -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED July 10, 2009 (DATE)
VILLAGE OF MONTGOMERY, DIRECTOR OF PUBLIC WORKS

PASSED July 16, 2009 (DATE)
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW July 16, 2009 (DATE)
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

APPROVED ORCHARD ROAD WIDENING AND SIGNAL JULY 13, 2009 (DATE)
KENDALL COUNTY HIGHWAY DEPARTMENT, COUNTY ENGINEER

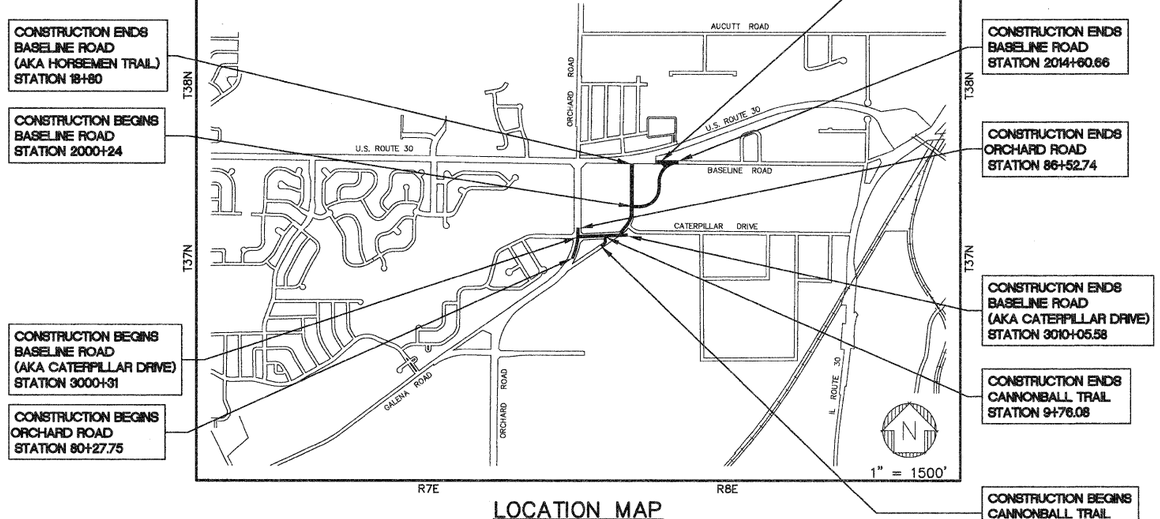
ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION.

DATED AT SUGAR GROVE, ILLINOIS,

THIS 10TH DAY OF JULY

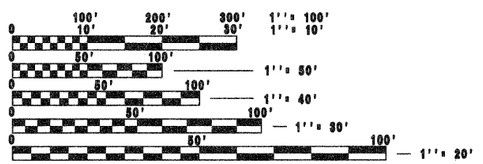
RONALD G. NAYLOR, P.E.
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-028491
EXPIRATION DATE: 11/30/09



LOCATION MAP

TOTAL LENGTH OF PROJECT = 4,934 FEET (0.93 MILES)
BASELINE ROAD = 1,437 FEET (0.27 MILES)
BASELINE ROAD (AKA HORSEMEN TRAIL) = 1,497 FEET (0.28 MILES)
BASELINE ROAD (AKA CATERPILLAR DRIVE) = 975 FEET (0.18 MILES)
ORCHARD ROAD = 625 FEET (0.12 MILES)
CANNONBALL TRAIL = 192 FEET (0.04 MILES)
BASELINE EXTENSION = 208 FEET (0.04 MILES)

PROJECT LOCATED IN VILLAGE OF MONTGOMERY



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 63207

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
Phone: (630) 466-6700

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CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	2
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

INDEX OF SHEETS

IDOT HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C&D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-03	SUB-SURFACE DRAINS
602001-01	CATCH BASIN, TYPE A
602301-02	INLET, TYPE A
602306-02	INLET TYPE B
602401-02	MANHOLE, TYPE A
602701-02	MANHOLE STEPS
604001-03	FRAME AND LID, TYPE 1
604036-02	GRATE, TYPE 8
604051-03	FRAMES AND GRATE, TYPE 11
606001-04	CONCRETE CURB AND GUTTER TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF ROAD OPERATIONS – 2L2W – 15 FT MIN FROM EOP – 45 MPH+
701006-03	OFF ROAD OPERATIONS – 2L2W – 15FT TO EOP – 45MPH+
701101-02	OFF ROAD OPERATIONS – MULTILANE – LESS THAN 15 FT TO EOP
701106-02	OFF ROAD OPERATIONS – MULTILANE – MORE THAN 15FT AWAY
701201-03	LANE CLOSURE, 2L2W, DAY ONLY FOR SPEEDS ≥ 45 MPH
701301-03	LANE CLOSURE, 2L2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L2W, SLOW MOVING, DAY ONLY
701326-03	LANE CLOSURE, 2L2W, PAVEMENT WIDENING
701421-02	LANE CLOSURE MULTILANE – DAY OPERATIONS ONLY 45-55 MPH
701422-02	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-03	LANE CLOSURE MULTILANE – INTERMITTENT OR MOVING OP 45 MPH+
701501-05	URBAN LANE CLOSURE, 2L2W, UNDIVIDED
701502-03	URBAN LANE CLOSURE, 2L2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-06	URBAN LANE CLOSURE MULTILANE 1W2W + NONTRAVESABLE MED
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN6
701701-06	URBAN LANE CLOSURE MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVT. MARKER
805001-01	ELECTRIC SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STD PHASE DESIGNATION DIAGRAMS & PHASE SEQ
862001-01	UNINTERRUPTIBLE POWER SUPPLY
873001-02	TRAFFIC SIGNAL GROUND & BOND
876001-01	PEDESTRIAN PUSH BUTTON POST
877001-04	STEEL MAST ARM ASSEMBLY & POLE 16' THRU 55'
877011-04	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 16' THRU 55'
878001-07	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNT SIGNALS & FLASH BEACON INSTALL
880006-01	TRAFFIC SIGNAL MOUNT DETAILS – POST & BRACKET MOUNT

DISTRICT ONE DETAILS (SEE SHEETS 91-93)

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
BD-32	BUTT JOINT AND HMA TAPER DETAILS

STRUCTURAL PAVEMENT DESIGN INFORMATION

	BASELINE ROAD	HORSEMEN TRAIL	CATERPILLAR DRIVE	ORCHARD ROAD
ROADWAY CLASSIFICATION	URBAN COLLECTOR	URBAN LOCAL ROAD	URBAN LOCAL ROAD	SUBURBAN ARTERIAL
POSTED SPEED LIMIT	30 MPH	30 MPH	30 MPH	45 MPH
DESIGN DESIGNATION	240(30) COLLECTOR 0.68 (FD-20)	840(20) LOCAL 0.69 (FD-20)	1,400(30) LOCAL 1.76 (FD-20)	2,740(30) ARTERIAL 9.94 (FD-20)
STR. DESIGN TRAFFIC (YEAR), DHV	2,200 (2020), 220	7,700 (2020), 780	12,650 (2020), 1,280	21,950 (2020), 2,200
VEHICLE BREAKDOWN %: PV, SU, MU	90%, 7%, 3%	97%, 1%, 2%	95%, 2.0%, 3%	85%, 6%, 9%
% STR. DESIGN TRAF. IN DESIGN LANE	PV: 50%, SU: 50%, MU: 50%	PV: 50%, SU: 50%, MU: 50%	PV: 32%, SU: 45%, MU: 45%	PV: 32%, SU: 45%, MU: 45%
TRAFFIC FACTOR ACTUAL, MINIMUM	0.68, NO MINIMUM	0.69, NO MINIMUM	1.76, NO MINIMUM	9.94, NO MINIMUM
AC TYPE	AC 20	AC 20	AC 20	AC 20
PG GRADE BINDER / SURFACE	PG 64 / PG 64	PG 64 / PG 64	WEST OF STA 3002+20: PG 70 / PG 70 EAST OF STA 3002+20: PG 64 / PG 64	PG 70 / PG 70
SUBGRADE SUPPORT RATING	POOR	POOR	POOR	POOR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN: SURVEYED, PLOTTED, NOTE BOOK, NO.; ALIGNMENT CHECKED, GRADES CHECKED, CADD FILE NAME; BY, DATE

PROFILE: SURVEYED, PLOTTED, NOTE BOOK, NO.; GRADES CHECKED, BM & ELEV, STRUCTURE NO; TAINS CHKD, BY, DATE

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CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	3
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS

1. THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JAN. 1, 2007, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIFICATIONS AND PROVISIONS ADOPTED JAN. 1, 2009, NATIONAL ELECTRIC CODE, 2008 EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION, DATED MAY, 1996, AND REVISIONS THERETO, THESE IMPROVEMENT PLANS AND DETAILS, SPECIAL PROVISIONS AND CODES AND ORDINANCES OF THE VILLAGE OF MONTGOMERY, ILLINOIS SHALL GOVERN APPLICABLE PORTIONS OF THIS PROJECT.

2. THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGMEN AND OTHER CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

3. LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY, AND ARE NOT NECESSARILY COMPLETE. CONTRACTOR SHALL MAKE HIS/HER OWN INVESTIGATIONS AS TO LOCATION OF ALL EXISTING UNDERGROUND STRUCTURES, CABLES, UTILITIES AND PIPE LINES.

4. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND VILLAGE, SO THAT THE CONFLICT MAY BE RESOLVED.

5. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. (1-800-892-0123) AT LEAST TEN DAYS PRIOR TO CONSTRUCTION SO THAT EACH UTILITY COMPANY CAN STAKE OUT ANY UNDERGROUND IMPROVEMENTS THAT MAY INTERFERE WITH THE PROPOSED CONSTRUCTION.

6. THE CONTRACTOR SHALL BE REQUIRED TO MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS, STRUCTURES, POLES, CABLES AND PIPE LINES, BEFORE CONSTRUCTION BEGINS. HE/SHE 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 ENGINEER AND VILLAGE AT HIS OWN EXPENSE.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.

8. THE CONTRACTOR SHALL EXAMINE THE PLANS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK AND INFORM HIMSELF/HERSELF FULLY WITH THE WORK INVOLVED, GENERAL AND LOCAL CONDITIONS, ALL FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS AND ALL OTHER PERTINENT ITEMS WHICH MAY AFFECT THE COST AND TIME OF COMPLETION OF THIS PROJECT BEFORE SUBMITTING A PROPOSAL.

9. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH LATEST CODE REQUIREMENTS.

10. PRIOR TO SUBMITTING A PROPOSAL, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY MATERIAL OR EQUIPMENT HE DEEMS INADEQUATE AND TO ANY ITEM OF WORK OMITTED.

11. THE PAY ITEMS SHALL BE AS NOTED IN THE SUMMARY OF QUANTITIES/PROPOSAL. ANY ITEM OF WORK THAT IS SHOWN ON THE PLANS TO BE PERFORMED BY THE CONTRACTOR, FOR WHICH THERE IS NO PAY ITEM, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT.

12. WHENEVER, DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEM FOR EARTH EXCAVATION.

13. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 ½ INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THEN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING SLOPED A MINIMUM 1:3 (V:H).

14. ALL FINAL ADJUSTMENTS OF CASTING WILL BE ACCOMPLISHED BY THE USE OF PRECAST CONCRETE ADJUSTING RINGS SET IN BUTYL ROPE JOINT SEALANT, MORTAR JOINTS WILL NOT BE ALLOWED. TOTAL HEIGHT OF ADJUSTING RINGS USED SHALL NOT EXCEED EIGHT (8") INCHES. COST FOR ADJUSTMENT IS CONSIDERED INCIDENTAL.

15. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE ON GRADE AND COORDINATE WITH OTHER CONTRACTORS ALL UNDERGROUND STRUCTURE FRAMES SUCH AS CATCH BASINS, INLETS, MANHOLES, HYDRANTS, BUFFALO BOXES, VALVES, ETC. NO ADDITIONAL COMPENSATION SHALL BE PAID AND SAID ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF CONSTRUCTION.

16. THE CONTRACTOR SHALL RESTORE ANY AREA DISTURBED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL USE. THIS SHALL INCLUDE FINISH GRADING, ESTABLISHMENT OF A VEGETATIVE COVER (SEEDING OR SOD), GENERAL CLEANUP AND PAVEMENT REPLACEMENT.

17. ALL TRENCHES CAUSED BY THE CONSTRUCTION OF STORM AND SANITARY AND THE EXCAVATION AROUND CATCH BASINS, MANHOLES, INLETS AND OTHER APPURTENANCES WHICH OCCUR WITHIN THE LIMITS OF EXISTING OR PROPOSED PAVEMENTS, SIDEWALKS AND CURB AND GUTTERS OR WHERE THE EDGE OF THE TRENCH SHALL BE WITHIN TWO (2') FEET OF SAID IMPROVEMENTS SHALL BE BACKFILLED WITH COMPACTED GRANULAR TRENCH BACKFILL OR WITH APPROVED SUITABLE SELECT MATERIAL AND PROPERLY COMPACTED AND MEASURED IN ACCORDANCE WITH IDOT STANDARDS FOR TRENCH WIDTHS.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

19. THE ENGINEER WILL BE GIVEN FORTY-EIGHT (48) HOURS NOTICE FOR ANY STAKING THAT IS TO BE DONE. EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE. ADDITIONAL STAKING REQUIRED DUE TO THE NEGLIGENCE OF THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR AT THE CURRENT HOURLY RATE.

20. THE CONTRACTOR SHALL INFORM THE VILLAGE ENGINEER BEFORE WORK COMMENCES ON EACH CATEGORY OF CONSTRUCTION, I.E. WATER MAIN, GRADING, PAVEMENT AND DRAINAGE IMPROVEMENT. A TWENTY-FOUR (24) HOUR NOTICE SHALL BE GIVEN FOR ANY ITEM THAT REQUIRES FINAL TESTING AND INSPECTION SUCH AS WATER MAINS OR SANITARY SEWERS.

21. THE ENGINEER WILL FURNISH THE CONTRACTOR WITH LINES AND GRADES NECESSARY FOR THE PROPER EXECUTION AND CONTROL OF THE WORK. THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY ERRORS OR DISCREPANCIES WHICH MAY BE SUSPECTED IN LINES AND GRADES WHICH ARE ESTABLISHED BY THE ENGINEER, AND SHALL NOT PROCEED WITH THE WORK UNTIL ANY LINES AND GRADES WHICH ARE BELIEVED TO BE IN ERROR HAVE BEEN VERIFIED OR CORRECTED BY THE ENGINEER OR HIS/HER REPRESENTATIVE.

22. ALL LOT IRONS DAMAGED OR REMOVED DURING CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED BY THE ENGINEER AND SAID COST OF REPLACEMENT SHALL BE PAID BY THE CONTRACTOR.

23. THE CONTRACTOR WILL HAVE IN HIS/HER POSSESSION ON THE JOB SITE A COPY OF THE PLANS AND SPECIFICATIONS DURING CONSTRUCTION.

24. IF ANY APPROVED EQUAL ITEMS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR APPROVAL.

25. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED BY THE CONTRACTOR DURING THE INSTALLATION OF THE IMPROVEMENTS SHALL BE RETURNED TO ORIGINAL CONDITION. THIS WORK IS TO BE CONSIDERED INCIDENTAL TO THE CONTRACT.

26. NO EXCAVATIONS WILL BE PERMITTED TO REMAIN OPEN OVER ANY WEEKEND.

27. RECORD DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS THE SITE IMPROVEMENTS ARE COMPLETED. ANY CHANGE IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED.

28. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY REQUIRED INSPECTIONS WITH THE VILLAGE.

29. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

30. THE ENGINEER AND VILLAGE 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.

31. A COMMITMENT HAS BEEN MADE TO THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES TO PROTECT THE WETLANDS AT BASELINE ROAD FROM STA. 2010+00 TO STA. 2014+60.

32. THE ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

VILLAGE OF MONTGOMERY
SOIL EROSION AND SEDIMENTATION CONTROL

THE CONTRACTOR SHALL PROVIDE SOIL EROSION AND SEDIMENTATION CONTROL IN ACCORDANCE WITH THE "PROCEDURES AND STANDARDS FOR SOIL EROSION AND SEDIMENTATION CONTROL IN NORTHEASTERN ILLINOIS" (REVISED JULY, 1988) PREPARED BY THE NORTHEASTERN ILLINOIS EROSION AND SEDIMENTATION CONTROL STEERING COMMITTEE AND THE ILLINOIS URBAN MANUAL PUBLISHED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (LATEST EDITION) AND IN ACCORDANCE WITH THE PLANS.

SOIL STABILIZATION

1. TOPSOIL AND VEGETATIVE COVER-STRIP TOPSOIL AND REMOVE EXISTING VEGETATION. STOCKPILE ON-SITE (FOR REUSE) AT LOCATION DESIGNATED.
2. TEMPORARY SEEDING-TEMPORARY SEEDING SHALL BE PROVIDED WITHIN 7 DAYS TO ANY DISTURBED AREAS THAT ARE SCHEDULED TO REMAIN DENUDED FOR LONGER THAN 14 DAYS.
3. PERMANENT SEEDING-IMMEDIATELY FOLLOWING FINISH GRADING AND TOPSOIL PLACEMENT INSTALL SEEDING OR SOD IN AREAS AS DESIGNATED ON PLANS.
4. PAVED AREAS-INSTALL THE AGGREGATE BASE AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCE TO PROVIDE REQUIRED STABILIZATION.
5. SLOPE PROTECTION-PROTECT SEEDING ON STEEP SLOPES WITH MULCH, EXCELSIOR BLANKET, OR EQUAL.

SEDIMENT CONTROL

1. ADJACENT PROPERTY-PROTECT ADJACENT PROPERTY FROM SEDIMENT DEPOSITION BY PRESERVING A VEGETATED BUFFER STRIP OR BY SEDIMENT BARRIERS OR FILTERS AT THE LOWER PERIMETER OF THE LOT.
2. SEDIMENTATION CONTROL SHALL BE PROVIDED IN ALL AREAS AROUND THE PERIMETER OF ALL STOCKPILE AREAS.
3. STORM SEWER INLET PROTECTION-DURING CONSTRUCTION FILTER SEDIMENT LADEN WATER THROUGH STRAW BALES AND FILTER FABRIC BEFORE IT ENTERS NEWLY CONSTRUCTED STORM SEWER.
4. STRAW BALES SHALL BE INSTALLED AS DITCH CHECKS AND STAKED IN PLACE AT 250 LINEAL FEET MAXIMUM SPACING IN ALL SWALES.
5. CONSTRUCTION ACCESS-CONSTRUCTION TRAFFIC SHALL ENTER AND LEAVE SITE AT A DESIGNATED ACCESS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO STATE HIGHWAYS OR LOCAL STREETS. IF NECESSARY, STATE HIGHWAYS OR LOCAL STREETS SHALL BE CLEANED DAILY AT THE END OF EACH WORK DAY OR AS REQUIRED TO KEEP MUD AND/OR OTHER DEBRIS OFF OF ANY HIGHWAY OR STREET.
6. REMOVAL OF CONTROL MEASURES-DISPOSE OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | GRADES CHECKED | ALL FUTURE STRUCTURE NOTATNS CHKD | ADD'L FILE NAME | NOTE BOOK | NO.____ | BY | DATE

PROFILE | SURVEYED | PLOTTED | GRADES CHECKED | ALL FUTURE STRUCTURE NOTATNS CHKD | NOTE BOOK | NO.____ | BY | DATE

Plotted: June 25, 2009 @ 4:21 PM By: Kris Pung - Tab: 03 Notes 22x34

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CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	4
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / XS. BK. CHECKED / CADD FILE NAME ____ / NOTE BOOK ____ / NO. ____ — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / XS. BK. CHECKED / STRUCTURE NO(S).(IF ANY) ____ — BY — DATE

SPECIALTY ITEM	PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS	TOTAL QUANTITY	80% FEDERAL, 20% VILLAGE 1000-ZA	Y002 - TRAFFIC SIGNS	Y003 - LANDSCAPING	Y031 - TRAFFIC IF SIGNALS
	20200100	EARTH EXCAVATION	CU YD	4,963.0	4,963.0			
	20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	838.0	838.0			
	20800150	TRENCH BACKFILL	CU YD	780.0	780.0			
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,965.0	1,965.0			
*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3,400.0	3,400.0			
*	25000110	SEEDING, CLASS 1A	ACRE	2.0	2.0			
*	25000210	SEEDING, CLASS 2A	ACRE	0.7	0.7			
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	247.0	247.0			
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	247.0	247.0			
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	247.0	247.0			
*	25100125	MULCH, METHOD 3	ACRE	2.7	2.7			
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,080.0	1,080.0			
	28000300	TEMPORARY DITCH CHECKS	EACH	10.0	10.0			
	28000400	PERIMETER EROSION BARRIER	FOOT	5,063.0	5,063.0			
	28000510	INLET FILTERS	EACH	42.0	42.0			
	28100105	STONE RIPRAP, CLASS A3	SQ YD	190.0	190.0			
	35501311	HOT-MIX ASPHALT BASE COURSE, 6 3/4"	SQ YD	1,475.0	1,475.0			
	35501314	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	SQ YD	710.0	710.0			
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	800.0	800.0			
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6,475.0	6,475.0			
	40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	247.0	247.0			
	40600300	AGGREGATE (PRIME COAT)	TON	41.0	41.0			
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1,053.0	1,053.0			
	40600895	CONSTRUCTING TEST STRIP	EACH	4.0	4.0			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,645.0	1,645.0			
	40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	602.0	602.0			
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	144.0	144.0			
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,257.0	1,257.0			
	40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	297.0	297.0			
	40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	5,173.0	5,173.0			
	44000100	PAVEMENT REMOVAL	SQ YD	1,098.0	1,098.0			
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	5,731.0	5,731.0			
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	942.0	942.0			
	44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	352.0	352.0			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	203.0	203.0			
	44004250	PAVED SHOULDER REMOVAL	SQ YD	1,337.0	1,337.0			
	44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	22.0	22.0			
	44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	55.0	55.0			
	44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	297.0	297.0			
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	200.0	200.0			
	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3,985.0	3,985.0			
	48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	689.0	689.0			
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	10.0	10.0			
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1.0	1.0			
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1.0	1.0			
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1,950.0	1,950.0			
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	175.0	175.0			
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	20.0	20.0			
	550B2520	STORM SEWERS, RUBBER GASKET, CLASS B, TYPE 2 12"	FOOT	83.0	83.0			
	55100500	STORM SEWER REMOVAL 12"	FOOT	94.0	94.0			
	60107600	PIPE UNDERDRAINS 4"	FOOT	884.0	884.0			
	60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	18.0	18.0			
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	18.0	18.0			
	60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	12.0	12.0			
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	4.0	4.0			
	60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	1.0	1.0			
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,251.0	5,251.0			
	67100100	MOBILIZATION	L SUM	1.0	1.0			
	70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0	1.0			
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3.0	3.0			
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3,330.0	3,330.0			
	70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	291.2	291.2			
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	12,224.5	12,224.5			
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,371.0	1,371.0			
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	191.0	191.0			
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	226.0	226.0			
	70300500	PAVEMENT MARKING TAPE, TYPE III	FOOT	7,000.0	7,000.0			
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,111.0	1,111.0			
	72000100	SIGN PANEL - TYPE 1	SQ FT	125.0		89.0		36.0
	60213300	CATCH BASINS, SPECIAL	EACH	2	2			
	60218400	MANHOLES, TYPE A, 4'-DIA, TY I FR, CL	EACH	2	2			
	60219000	MANHOLES, TYPE A, 4'-DIA, TY B FR, GRATE	EACH	3	3			
	60236500	INLETS, TYPE A, TYPE B GRATE (3' DEPTH)	EACH	2	2			

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

Plotted: July 13, 2009 @ 4:11 PM By: Kris Pung -- Tab: 04 Quantities 22x34

Path: N:\SDSKPROJ\M007551\DWG\DWG FINAL ENG\M007551-CVR

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	5
STA.		TO STA.		
FED. ROAD DIST. NO. ...		ILLINOIS	FED. AID PROJECT	

						80% FEDERAL, 20% VILLAGE			
SPECIALITY ITEM	PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS	TOTAL QUANTITY	I000-2A	Y002 - TRAFFIC SIGNS	Y003 - LANDSCAPING	Y031 - TRAFFIC IF SIGNALS
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	240.0		240.0		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	291.2	291.2			
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12,204.0	12,204.0			
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,371.0	1,371.0			
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	191.0	191.0			
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	226.0	226.0			
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	311.0	311.0			
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	72.0	72.0			
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	417.0	417.0			
*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	15.0	15.0			
*	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	839.0				839.0
*	81000700	CONDUIT IN TRENCH, 2-1/2" DIA., GALVANIZED STEEL	FOOT	101.0				101.0
*	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	81.0				81.0
*	81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	10.0				10.0
*	81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	20.0				20.0
*	81018500	CONDUIT, PUSHED 2" DIA., GALVANIZED STEEL	FOOT	25.0				25.0
*	81018900	CONDUIT, PUSHED 4" DIA., GALVANIZED STEEL	FOOT	199.0				199.0
*	81030100	CONDUIT SPLICE	EACH	2.0				2.0
*	81400100	HANDHOLE	EACH	3.0				3.0
*	81400300	DOUBLE HANDHOLE	EACH	1.0				1.0
*	81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	265.0				265.0
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,049.0				1,049.0
*	86000105	MASTER CONTROLLER (SPECIAL)	EACH	1.0				1.0
*	86300500	CONTROLLER CABINET TYPE V	EACH	1.0				1.0
*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	2.0				2.0
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	872.0				872.0
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	411.0				411.0
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,159.0				2,159.0
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,751.0				1,751.0
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	312.0				312.0
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4.0				4.0
*	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1.0				1.0
*	87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	2.0				2.0
*	87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1.0				1.0
*	87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1.0				1.0
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28.0				28.0
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8.0				8.0
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	75.0				75.0
*	87900200	DRILL EXISTING HANDHOLE	EACH	3.0				3.0
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6.0				6.0
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3.0				3.0
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5.0				5.0
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3.0				3.0
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	17.0				17.0
*	88700200	LIGHT DETECTOR	EACH	5.0				5.0
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	2.0				2.0
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1.0				1.0
*	89501100	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER	EACH	1.0				1.0
*	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	2.0				2.0
*	89501300	RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE	EACH	1.0				1.0
*	89502200	MODIFY EXISTING CONTROLLER	EACH	1.0				1.0
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,290.0				1,290.0
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0				1.0
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	3.0				3.0
*	A2000620	TREE, ACER PLATANOIDES (NORWAY MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	13.0			13.0	
*	A2008320	TREE, TILIA TOMENTOSA (SILVER LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	12.0			12.0	
*	K1004572	PRAIRIE SEEDING (SPECIAL)	ACRE	0.1	0.1			
	X0321156	HIGH VISIBILITY TEMPORARY FENCING	FOOT	400.0	400.0			
	X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	2.0	2.0			
*	X0322765	RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1.0				1.0
*	X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	490.0				490.0
*	X0324007	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1.0				1.0
*	X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1.0				1.0
*	X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1.0				1.0
*	X8710022	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 2-MM12F & SM12F	FOOT	490.0				490.0
*	X8730250	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3/C, TWISTED, SHIELDED	FOOT	411.0				411.0
*	X8900020	MAINTENANCE OF EXISTING TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1.0				1.0
*	X8900040	MODIFY TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1.0				1.0
	XX003503	FLARED END SECTION REMOVAL	EACH	1.0	1.0			
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	10,428.0	10,428.0			
Δ	Z0076600	TRAINEES	HOUR	500.0	500.0			
	XX008126	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 4 1/4"	SQ YD	496.0	496.0			

Δ Y080

PLAN: SURVEYED / DRAWN / ALIGNMENT CHECKED / QUANTITIES CHECKED / NOTE BOOK / NO. / CADD FILE NAME / BY / DATE

PROFILE: SURVEYED / DRAWN / GRADES CHECKED / QUANTITIES CHECKED / NOTE BOOK / NO. / STRUCTURE NO(S)/MS CRKD / BY / DATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE:

DRAWN BY: KKP

DATE: 03-26-09

CHECKED BY: TVW

Plotted: July 10, 2009 @ 7:25 AM By: Kris Pung - Tab: 05 Quantities 22x34

Path: H:\SSSPROJ\K00755\DWG\DWG FINAL ENG\K00755-CVR

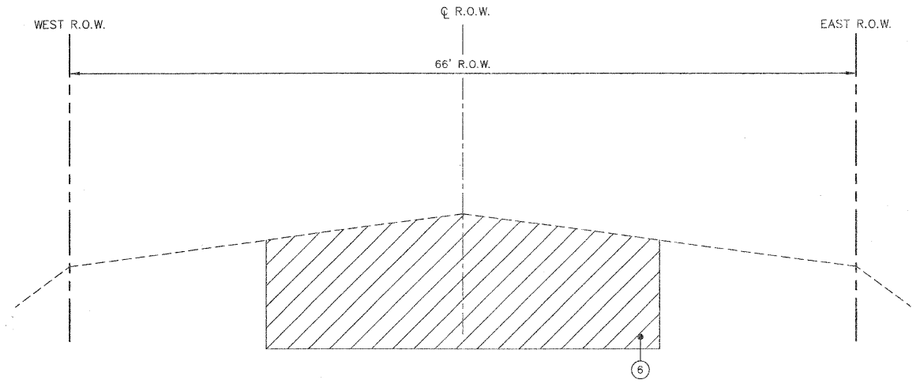
CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	6
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN | SURVEYED | DRAWN | PLOTTED | QUANTITIES CHECKED | ALIGNMENT CHECKED | DESIGN AGREED | C.A.D.D. FILE NAME | NOTE BOOK | NO.____ | BY | DATE

EXISTING PAVEMENT CROSS SECTION RE-ALIGNED BASELINE ROAD

(STA. 2000+24 TO STA. 2014+61)

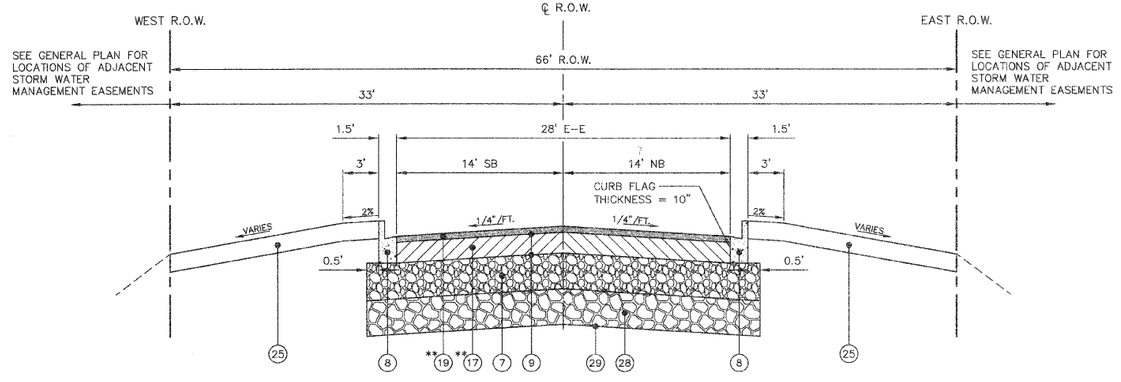


LEGEND

1. EXISTING ASPHALT PAVEMENT
2. EXISTING BASE MATERIAL
3. EXISTING AGGREGATE SHOULDER
4. EXISTING PAVED SHOULDER
5. PAVEMENT REMOVAL
6. EARTH EXCAVATION (WIDENING)
7. PROPOSED AGGREGATE SUBGRADE, 12"
8. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
9. BITUMINOUS MATERIALS (PRIME COAT)
10. POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
11. AGGREGATE (PRIME COAT)
12. PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS)
13. PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS)
14. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12" (3 LIFTS)
15. PROPOSED POLYMERIZED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90, 13" (3 LIFTS)
16. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
17. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)
18. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
20. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
21. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
22. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
23. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER)
24. STRIP REFLECTIVE CRACK CONTROL
25. TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS
26. HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
27. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
28. POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED
29. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, AS NEEDED

PROPOSED PAVEMENT CROSS SECTION RE-ALIGNED BASELINE ROAD

(STA. 2000+24 TO STA. 2014+61)



** TO BE PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" INSTEAD OF SEPARATELY

PROFILE | SURVEYED | DRAWN | PLOTTED | QUANTITIES CHECKED | ALIGNMENT CHECKED | DESIGN AGREED | C.A.D.D. FILE NAME | NOTE BOOK | NO.____ | BY | DATE | STRUCTURE NO.KANE/KENDALL

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
RE-ALIGNED BASELINE ROAD	NEW CONSTRUCTION	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" (HMA BINDER IL-19.0 MM) (BOTTOM 8") (HMA SURFACE, MIX "D", IL-9.5 MM) (TOP 2")	PG 64 -22* PG 64 -22	4% @ 50 Gyr. 4% @ 50 Gyr.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ.YD./INCH.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE:
DRAWN BY: KKP
DATE: 03-26-09
CHECKED BY: TVW

Plotted: July 9, 2009 @ 3:23 PM By: Kris Pung - tab: 06 Typ Sec 22x34

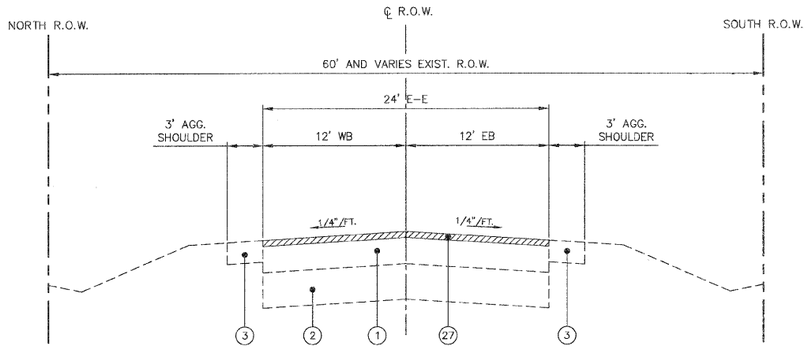
Path: N:\SDSKPROJ\M007553\DWG\DWG FINAL ENG\M007553-CVR

CONTRACT NO. 63207

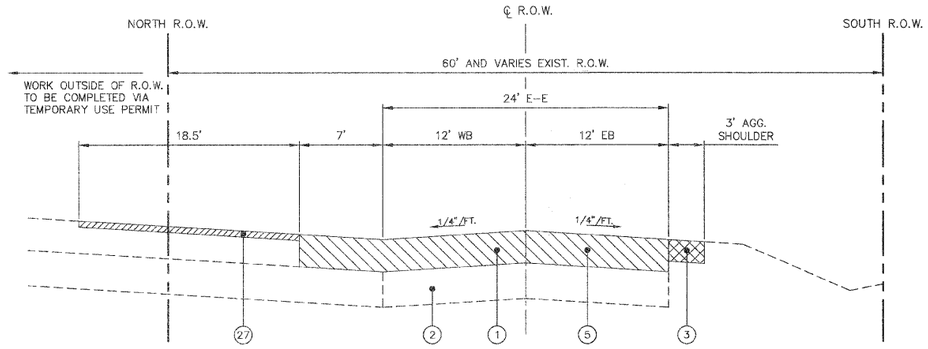
Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	7
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

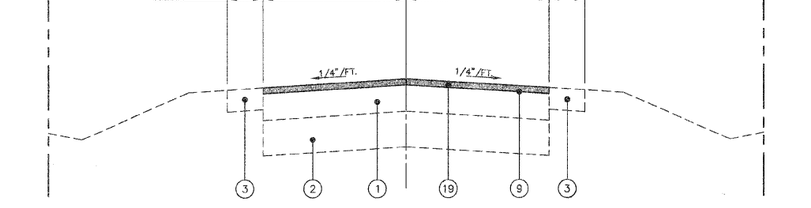
EXISTING PAVEMENT CROSS SECTION EXISTING BASELINE ROAD
(STA. 0+00 TO STA. 2+20)



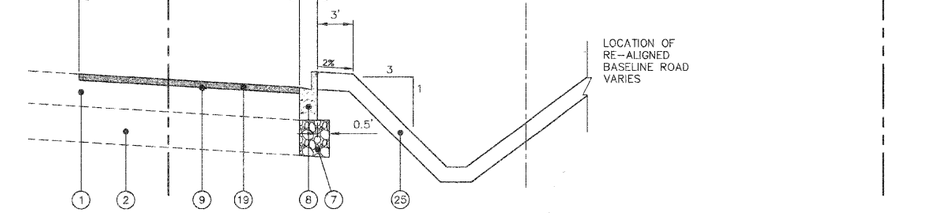
EXISTING PAVEMENT CROSS SECTION EXISTING BASELINE ROAD
(STA. 2+20 TO STA. 3+80)



PROPOSED PAVEMENT CROSS SECTION EXISTING BASELINE ROAD
(STA. 0+00 TO STA. 2+20)



PROPOSED PAVEMENT CROSS SECTION EXISTING BASELINE ROAD
(STA. 2+20 TO STA. 3+80)



LEGEND

1. EXISTING ASPHALT PAVEMENT
2. EXISTING BASE MATERIAL
3. EXISTING AGGREGATE SHOULDER
4. EXISTING PAVED SHOULDER
5. PAVEMENT REMOVAL
6. EARTH EXCAVATION (WIDENING)
7. PROPOSED AGGREGATE SUBGRADE, 12"
8. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
9. BITUMINOUS MATERIALS (PRIME COAT)
10. POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
11. AGGREGATE (PRIME COAT)
12. PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS)
13. PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS)
14. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12" (3 LIFTS)
15. PROPOSED POLYMERIZED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90, 13" (3 LIFTS)
16. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
17. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)
18. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
20. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
21. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
22. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
23. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER)
24. STRIP REFLECTIVE CRACK CONTROL
25. TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS
26. HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
27. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
28. POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED
29. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, AS NEEDED

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
EXISTING BASELINE ROAD	OVERLAY, 2"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL-9.5 MM)	PG 64 -22	4% @ 50 Gyr.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ.YD./INCH.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE:
DRAWN BY: KKP
DATE: 03-26-09
CHECKED BY: TVW

PLAN — BY | DATE | SURVEYED | DRAWN | ALIGNMENT CHECKED | GRADES CHECKED | R.O.W. MONUMENTED | CADD FILE NAME | NOTE BOOK | NO.

PROFILE — BY | DATE | SURVEYED | DRAWN | GRADES CHECKED | R.O.W. MONUMENTED | STRUCTURE NO(S)/PINS CHKD | NOTE BOOK | NO.

Plotted: July 9, 2009 @ 3:23 PM By: Kris Pung - Tab: 07 Typ Sec 22x34

Path: \SIS\SF60\M007-53\DWG\DWG FINAL ENG\M007-53R

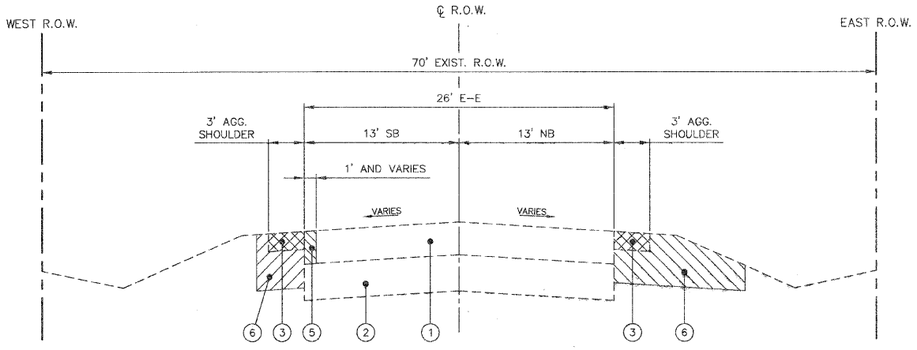
CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	8
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

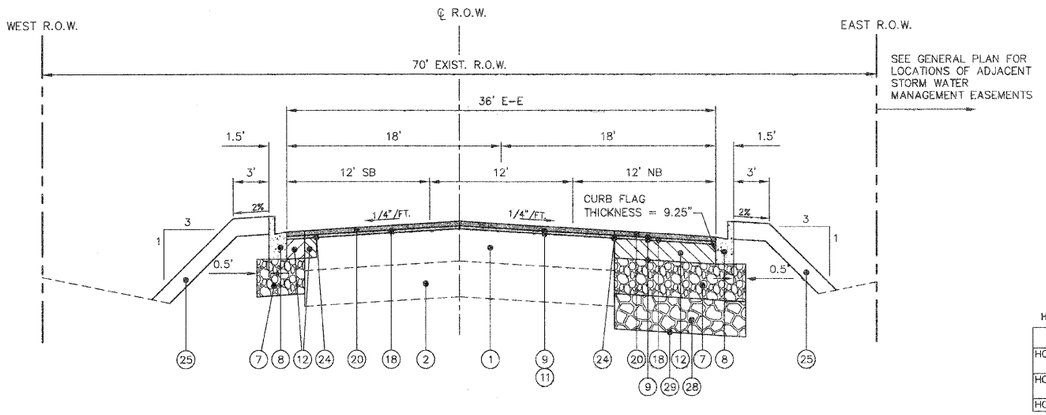
PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
ALL DIM. VERIFIED
CADD FILE NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
ALL DIM. VERIFIED
STRUCTURE NO(S)/MS CK'KD
NOTE BOOK
NO.
BY
DATE

EXISTING PAVEMENT CROSS SECTION
HORSEMEN TRAIL
(STA. 3+45 TO STA. 15+00)



PROPOSED PAVEMENT CROSS SECTION
HORSEMEN TRAIL
(STA. 3+45 TO STA. 15+00)



LEGEND

1. EXISTING ASPHALT PAVEMENT
2. EXISTING BASE MATERIAL
3. EXISTING AGGREGATE SHOULDER
4. EXISTING PAVED SHOULDER
5. PAVEMENT REMOVAL
6. EARTH EXCAVATION (WIDENING)
7. PROPOSED AGGREGATE SUBGRADE, 12"
8. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
9. BITUMINOUS MATERIALS (PRIME COAT)
10. POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
11. AGGREGATE (PRIME COAT)
12. PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS)
13. PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS)
14. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12" (3 LIFTS)
15. PROPOSED POLYMERIZED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90, 13" (3 LIFTS)
16. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
17. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)
18. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
20. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
21. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
22. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
23. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER)
24. STRIP REFLECTIVE CRACK CONTROL
25. TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS
26. HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
27. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
28. POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED
29. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, AS NEEDED

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
HORSEMEN TRAIL	WIDENING, 6 3/4"	HOT-MIX ASPHALT BASE COURSE, 6 3/4" (HMA BINDER IL-19.0 MM)	PG 64 -22*	4% @ 70 Gyr.
HORSEMEN TRAIL	OVERLAY, 2 1/2"	LEVELING BINDER (MACHINE METHOD), N70, 1" & VARIES (3/4" MIN.) (IL-9.5 MM)	PG 64 -22*	4% @ 70 Gyr.
HORSEMEN TRAIL		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2" (IL-9.5 MM)	PG 64 -22	4% @ 70 Gyr.
HORSEMEN TRAIL	PATCHING	CLASS D PATCHES (HMA BINDER IL-19.0 MM)	PG 64 -22*	4% @ 70 Gyr.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ.YD./INCH.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: July 9, 2009 @ 3:23 PM By: Kris Pung - Tdr: 08 Typ Sec 22x34

Path: H:\SBSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-CVR

CONTRACT NO. 63207

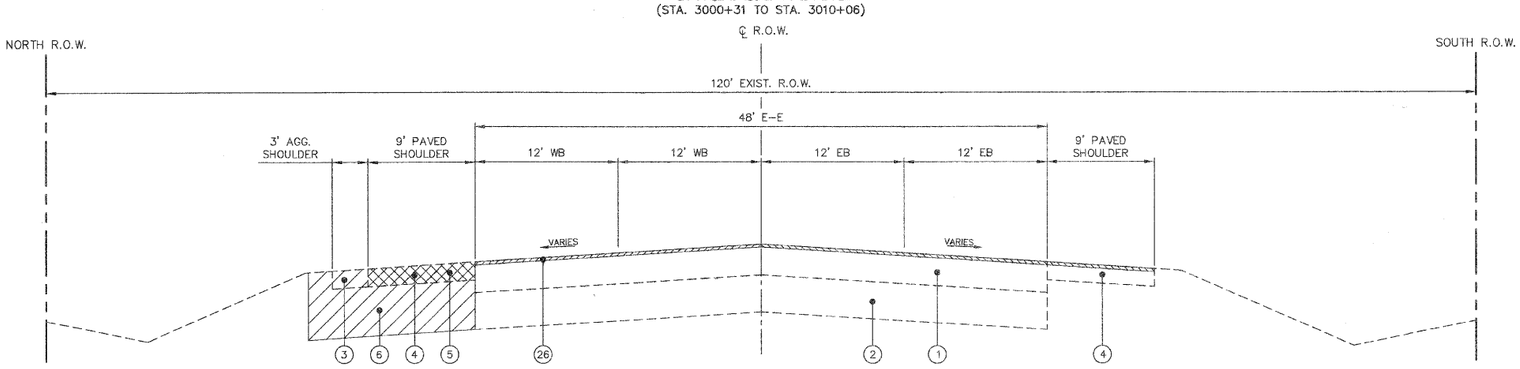
Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	9
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN / PROFILE

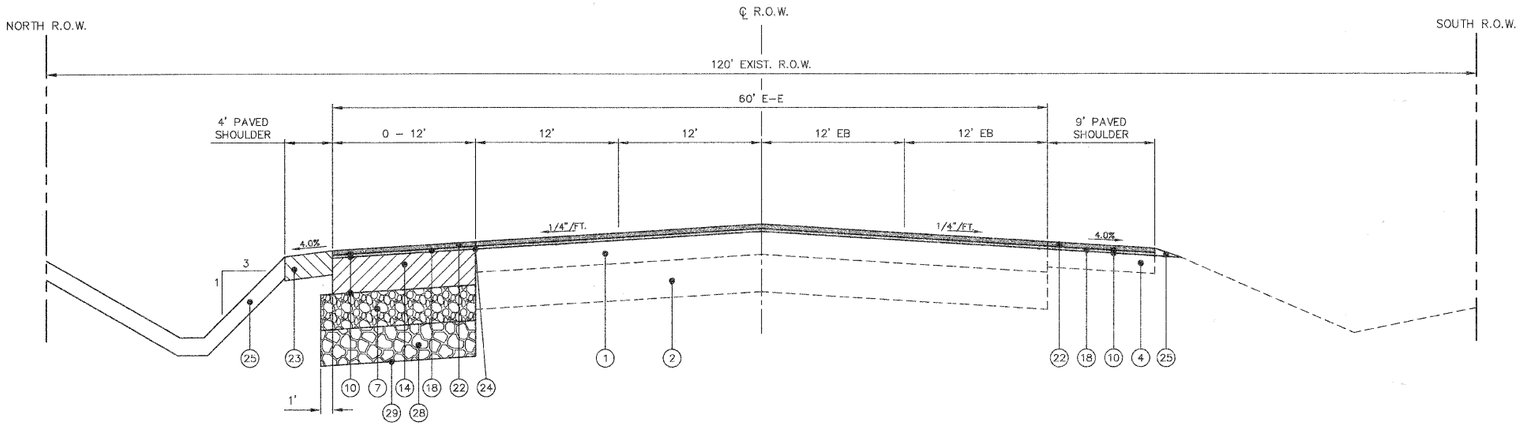
DATE	BY	
		SURVEYED
		PLOTTED
		ALIGNMENT CHECKED
		GRADES CHECKED
		R.L.M. CHECKED
		CADD FILE NAME
		STRUCTURE NO/STA/N.S. CHKD

NOTE BOOK
NO.

EXISTING PAVEMENT CROSS SECTION
CATERPILLAR DRIVE
(STA. 3000+31 TO STA. 3010+06)



PROPOSED PAVEMENT CROSS SECTION
CATERPILLAR DRIVE
(STA. 3000+31 TO STA. 3002+20)



LEGEND

1. EXISTING ASPHALT PAVEMENT
2. EXISTING BASE MATERIAL
3. EXISTING AGGREGATE SHOULDER
4. EXISTING PAVED SHOULDER
5. PAVEMENT REMOVAL
6. EARTH EXCAVATION (WIDENING)
7. PROPOSED AGGREGATE SUBGRADE, 12"
8. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
9. BITUMINOUS MATERIALS (PRIME COAT)
10. POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
11. AGGREGATE (PRIME COAT)
12. PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS)
13. PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS)
14. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12" (3 LIFTS)
15. PROPOSED POLYMERIZED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90, 13" (3 LIFTS)
16. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
17. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)
18. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
20. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
21. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
22. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
23. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER)
24. STRIP REFLECTIVE CRACK CONTROL
25. TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS
26. HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
27. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
28. POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED
29. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, AS NEEDED

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
CATERPILLAR DRIVE (STA 3000+42 TO STA 3002+20)	WIDENING, 12"	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 12"	SBS/SBR PG 70 -22	4% @ 90 Gyr.
CATERPILLAR DRIVE (STA 3000+42 TO STA 3002+20)	OVERLAY, 3"	LEVELING BINDER (MACHINE METHOD), N70, 1" & VARIES (3/4" MIN.) (IL-9.5 MM)	PG 64 -22*	4% @ 70 Gyr.
		POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (IL-9.5 MM)	SBS/SBR PG 70 -22	4% @ 90 Gyr.
CATERPILLAR DRIVE	HMA SHOULDER	HOT-MIX ASPHALT SHOULDER, 8"		
		(HMA BINDER IL-19.0 MM) (BOTTOM 6")	PG 64 -22*	4% @ 50 Gyr.
		(HMA SURFACE, MIX "D", IL-9.5 MM) (TOP 2")	PG 64 -22	4% @ 50 Gyr.
CATERPILLAR DRIVE	PATCHING	CLASS D PATCHES (HMA BINDER IL-19.0 MM)	PG 64 -22*	4% @ 70 Gyr.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ.YD./INCH.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: July 10, 2009 @ 11:50 AM By: Kris Pung - Tab: 09 Typ Sec 22x34

Path: H:\SDSKPROJ\M007135\DWG\DWG FINAL ENG\M007135-CVR

CONTRACT NO. 63207

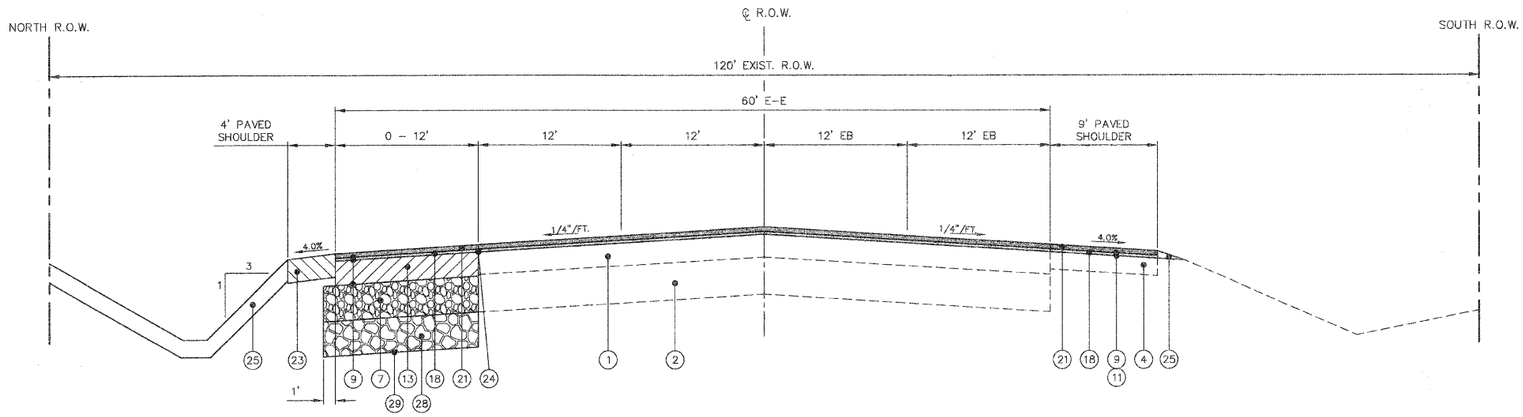
Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	10
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

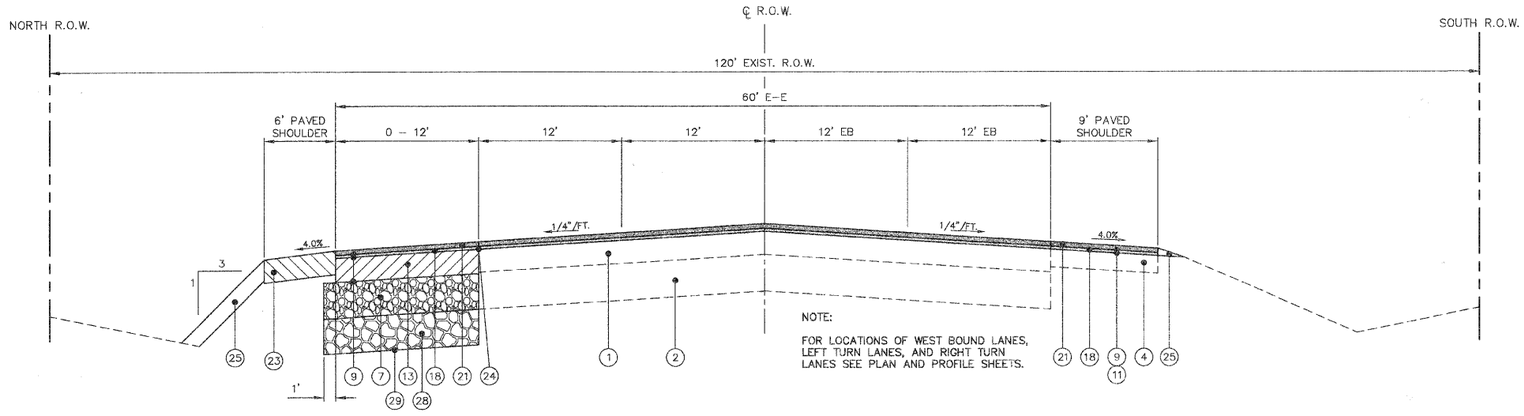
PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / ALL NOTES / STRUCTURE NOTATNS CKRD / NOTE BOOK / NO.____ / CADD FILE NAME____ / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALL NOTES / STRUCTURE NOTATNS CKRD / NOTE BOOK / NO.____ / BY / DATE

PROPOSED PAVEMENT CROSS SECTION
CATERPILLAR DRIVE
(STA. 3002+20 TO STA. 3005+50)



PROPOSED PAVEMENT CROSS SECTION
CATERPILLAR DRIVE
(STA. 3005+50 TO STA. 3010+06)



NOTE:

FOR LOCATIONS OF WEST BOUND LANES, LEFT TURN LANES, AND RIGHT TURN LANES SEE PLAN AND PROFILE SHEETS.

LEGEND

1. EXISTING ASPHALT PAVEMENT
2. EXISTING BASE MATERIAL
3. EXISTING AGGREGATE SHOULDER
4. EXISTING PAVED SHOULDER
5. PAVEMENT REMOVAL
6. EARTH EXCAVATION (WIDENING)
7. PROPOSED AGGREGATE SUBGRADE, 12"
8. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
9. BITUMINOUS MATERIALS (PRIME COAT)
10. POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
11. AGGREGATE (PRIME COAT)
12. PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS)
13. PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS)
14. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12" (3 LIFTS)
15. PROPOSED POLYMERIZED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90, 13" (3 LIFTS)
16. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
17. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)
18. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
20. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
21. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
22. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
23. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER)
24. STRIP REFLECTIVE CRACK CONTROL
25. TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS
26. HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
27. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
28. POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED
29. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, AS NEEDED

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
CATERPILLAR DRIVE (STA 3002+20 TO STA 3010+06)	WIDENING, 7 1/2"	HOT-MIX ASPHALT BASE COURSE, 7 1/2" (HMA BINDER IL-19.0 MM)	PG 64 -22*	4% @ 70 Gyr.
CATERPILLAR DRIVE (STA 3002+20 TO STA 3010+06)	OVERLAY, 3"	LEVELING BINDER (MACHINE METHOD), N70, 1" & VARIES (3/4" MIN.) (IL-9.5 MM)	PG 64 -22*	4% @ 70 Gyr.
		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 MM)	PG 64 -22	4% @ 70 Gyr.
CATERPILLAR DRIVE	HMA SHOULDER	HOT-MIX ASPHALT SHOULDER, 8" (HMA BINDER IL-19.0 MM) (BOTTOM 6") (HMA SURFACE, MIX "D", IL-9.5 MM) (TOP 2")	PG 64 -22* PG 64 -22	4% @ 50 Gyr. 4% @ 50 Gyr.
CATERPILLAR DRIVE	PATCHING	CLASS D PATCHES (HMA BINDER IL-19.0 MM)	PG 64 -22*	4% @ 70 Gyr.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ YD /INCH.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

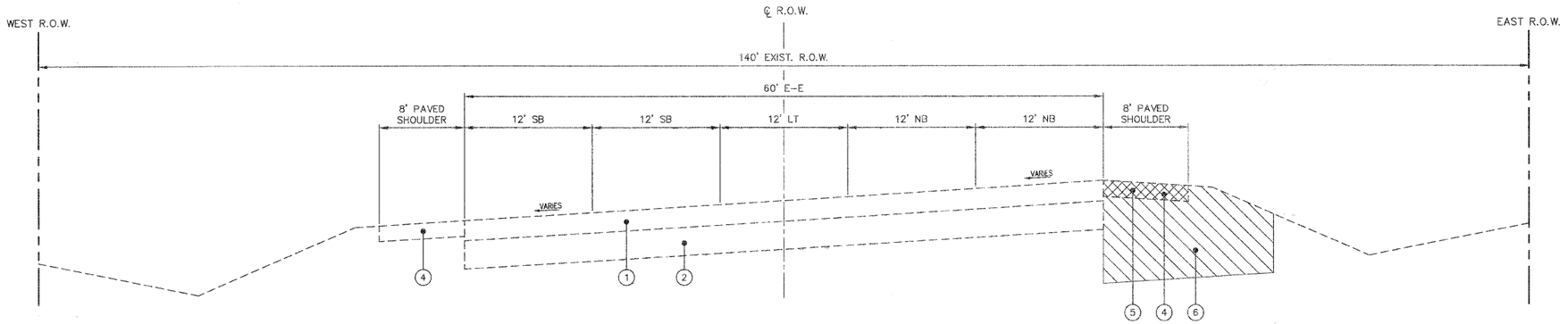
Plotted: July 9, 2009 @ 3:23 PM By: Kris Pung -- Tab: 10 Typ Sec 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-COR

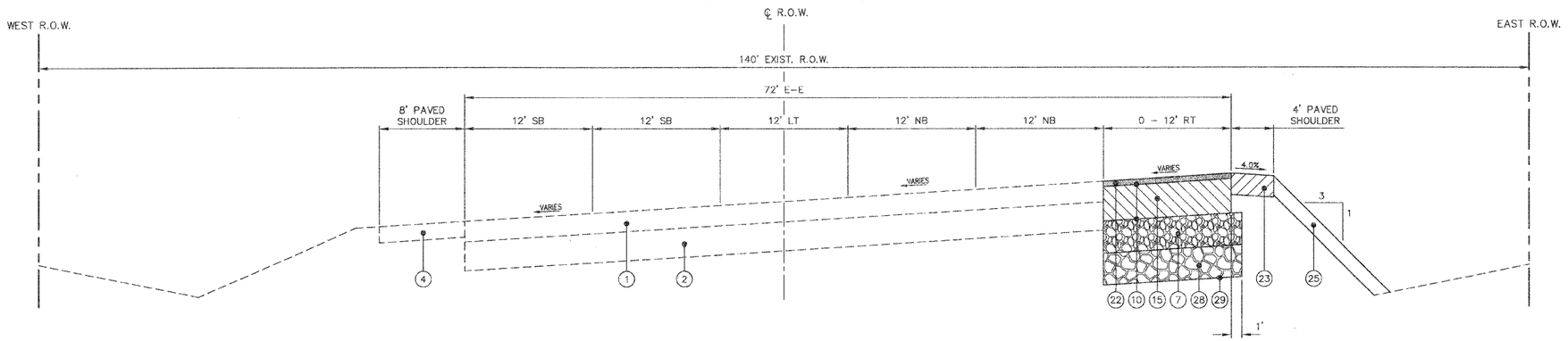
CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	11
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

EXISTING PAVEMENT CROSS SECTION
ORCHARD ROAD
(STA. 80+27 TO STA. 85+00)



PROPOSED PAVEMENT CROSS SECTION
ORCHARD ROAD
(STA. 80+27 TO STA. 85+00)



LEGEND

1. EXISTING ASPHALT PAVEMENT
2. EXISTING BASE MATERIAL
3. EXISTING AGGREGATE SHOULDER
4. EXISTING PAVED SHOULDER
5. PAVEMENT REMOVAL
6. EARTH EXCAVATION (WIDENING)
7. PROPOSED AGGREGATE SUBGRADE, 12"
8. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
9. BITUMINOUS MATERIALS (PRIME COAT)
10. POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
11. AGGREGATE (PRIME COAT)
12. PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS)
13. PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS)
14. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12" (3 LIFTS)
15. PROPOSED POLYMERIZED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90, 13" (3 LIFTS)
16. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
17. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)
18. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
20. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
21. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
22. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
23. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER)
24. STRIP REFLECTIVE CRACK CONTROL
25. TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS
26. HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
27. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
28. POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED
29. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, AS NEEDED

NOTE:

FROM STATION 80+27 TO 83+00 THE RIGHT TURN LANE SHALL MATCH THE EXISTING SUPER ELEVATION SLOPE ON ORCHARD ROAD. FROM STATION 83+00 TO 85+00, THE RIGHT TURN LANE SLOPE TRANSITIONS FROM AN e OF 3.2% TO A NORMAL CROWN OF -1.5%.

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
ORCHARD ROAD	WIDENING, 15"	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 13"	SBS/SBR PG 70 -22	4% @ 90 Gyr.
		POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (IL-9.5 MM)	SBS/SBR PG 70 -22	4% @ 90 Gyr.
ORCHARD ROAD	HMA SHOULDER	HOT-MIX ASPHALT SHOULDER, 8"		
		(HMA BINDER IL-19.0 MM) (BOTTOM 6")	PG 64 -22*	4% @ 50 Gyr.
		(HMA SURFACE, MIX "D", IL-9.5 MM) (TOP 2")	PG 64 -22	4% @ 50 Gyr.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ.YD./INCH.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE:
DRAWN BY: KKP
DATE: 03-26-09
CHECKED BY: TVW

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / M.L. WORKED / STRUCTURE / NOTE BOOK / NO. / BY / DATE / CADD FILE NAME: NOTAXNS CRK0

PROFILE — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / M.L. WORKED / STRUCTURE / NOTE BOOK / NO. / BY / DATE / CADD FILE NAME: NOTAXNS CRK0

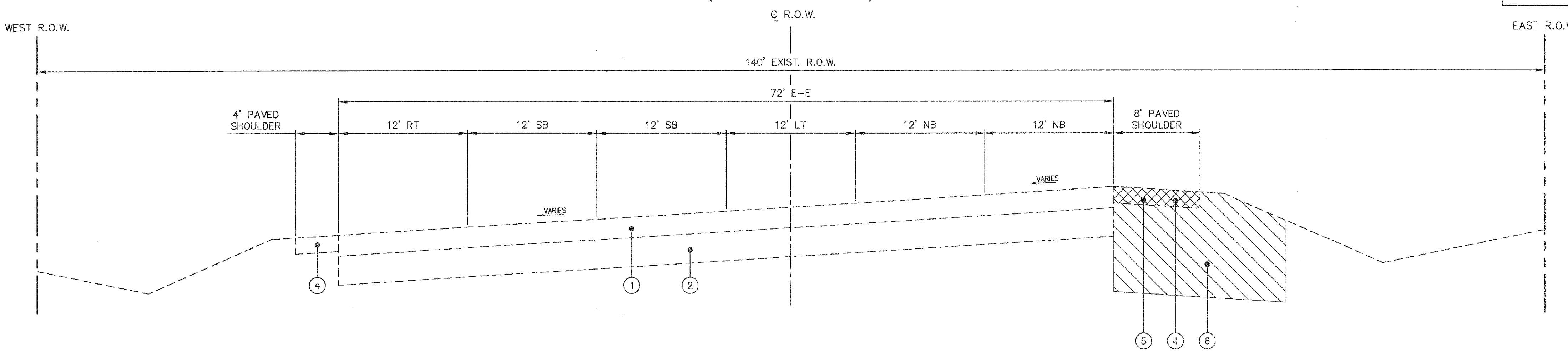
Plotted: July 9, 2009 @ 3.24 PM By: Kris Pung - Tdc: 11 Typ Sec 22x34

Path: H:\SDSKPROJ\M007755\DWG\DWG FINAL ENG\M007755-CVR

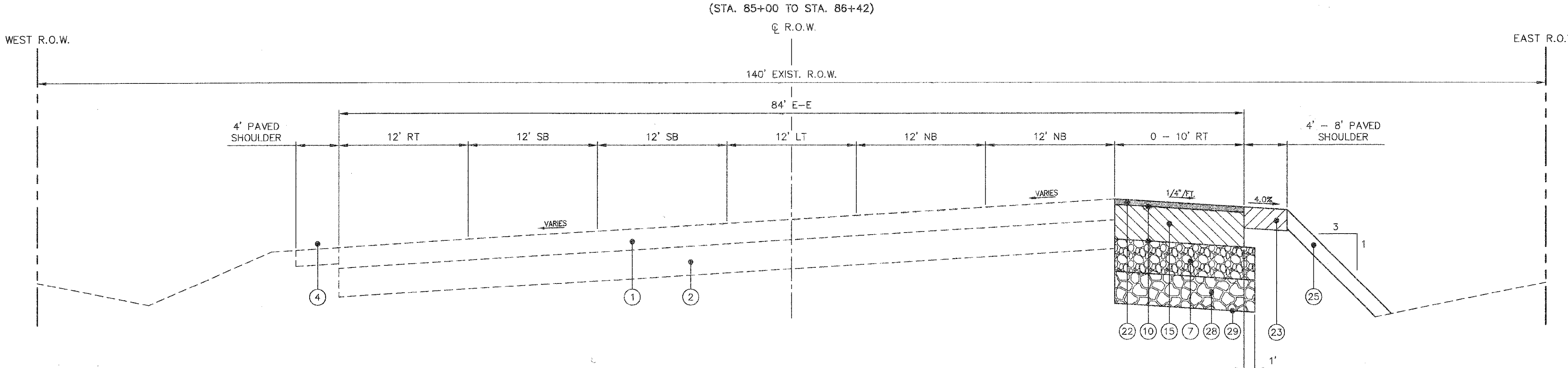
Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	12
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

EXISTING PAVEMENT CROSS SECTION
ORCHARD ROAD
(STA. 85+00 TO STA. 86+42)



PROPOSED PAVEMENT CROSS SECTION
ORCHARD ROAD
(STA. 85+00 TO STA. 86+42)



LEGEND

1. EXISTING ASPHALT PAVEMENT
2. EXISTING BASE MATERIAL
3. EXISTING AGGREGATE SHOULDER
4. EXISTING PAVED SHOULDER
5. PAVEMENT REMOVAL
6. EARTH EXCAVATION (WIDENING)
7. PROPOSED AGGREGATE SUBGRADE, 12"
8. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
9. BITUMINOUS MATERIALS (PRIME COAT)
10. POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
11. AGGREGATE (PRIME COAT)
12. PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS)
13. PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS)
14. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12" (3 LIFTS)
15. PROPOSED POLYMERIZED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90, 13" (3 LIFTS)
16. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
17. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)
18. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
20. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
21. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
22. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
23. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER)
24. STRIP REFLECTIVE CRACK CONTROL
25. TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS
26. HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
27. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
28. POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED
29. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, AS NEEDED

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
ORCHARD ROAD	WIDENING, 15"	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 13"	SBS/SBR PG 70 -22	4% @ 90 Gyr.
		POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (IL-9.5 MM)	SBS/SBR PG 70 -22	4% @ 90 Gyr.
ORCHARD ROAD	HMA SHOULDER	HOT-MIX ASPHALT SHOULDER, 8"		
		(HMA BINDER IL-19.0 MM) (BOTTOM 6")	PG 64 -22*	4% @ 50 Gyr.
		(HMA SURFACE, MIX "D", IL-9.5 MM) (TOP 2")	PG 64 -22	4% @ 50 Gyr.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ.YD./INCH.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

CONTRACT NO. 63207

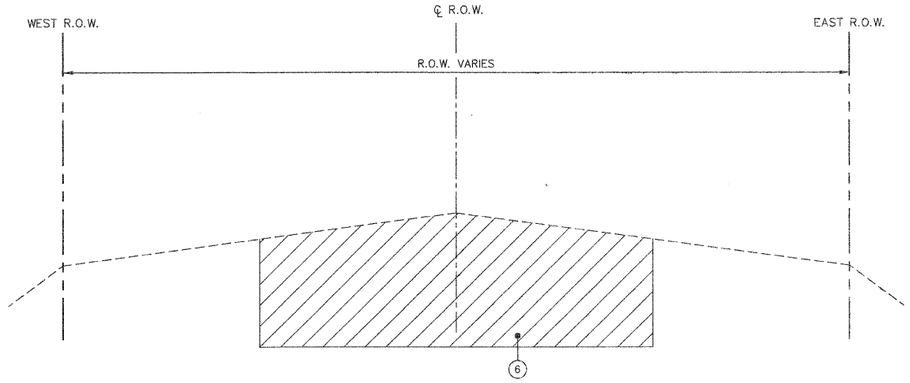
Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	13
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

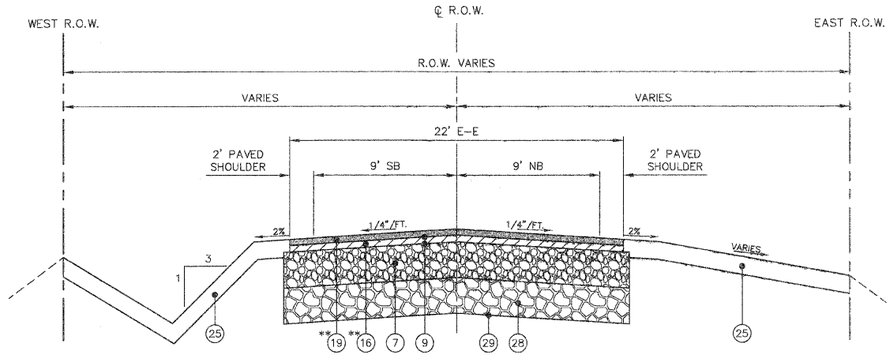
PLAN — DATE / BY / REVISED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / R.O.W. MONUMENTED / CADD FILE NAME / NOTE BOOK / NO.

PROFILE — DATE / BY / REVISED / PLOTTED / GRADES CHECKED / R.O.W. MONUMENTED / NOTATNS CHKD / STRUCTURE / NOTE BOOK / NO.

EXISTING PAVEMENT CROSS SECTION
CANNONBALL TRAIL
(STA. 7+83 TO STA. 9+75)



PROPOSED PAVEMENT CROSS SECTION
CANNONBALL TRAIL
(STA. 7+83 TO STA. 9+75)



** TO BE PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 4.25" INSTEAD OF SEPARATELY

LEGEND

1. EXISTING ASPHALT PAVEMENT
2. EXISTING BASE MATERIAL
3. EXISTING AGGREGATE SHOULDER
4. EXISTING PAVED SHOULDER
5. PAVEMENT REMOVAL
6. EARTH EXCAVATION (WIDENING)
7. PROPOSED AGGREGATE SUBGRADE, 12"
8. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
9. BITUMINOUS MATERIALS (PRIME COAT)
10. POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)
11. AGGREGATE (PRIME COAT)
12. PROPOSED HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS)
13. PROPOSED HOT-MIX ASPHALT BASE COURSE, 7 1/2" (3 LIFTS)
14. PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12" (3 LIFTS)
15. PROPOSED POLYMERIZED HOT-MIX ASPHALT BASE COURSE, IL-19.0, N90, 13" (3 LIFTS)
16. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
17. PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)
18. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1.0" & VARIES
19. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
20. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
21. PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
22. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
23. PROPOSED HOT-MIX ASPHALT SHOULDERS, 8" (2" SURFACE, 6" BINDER)
24. STRIP REFLECTIVE CRACK CONTROL
25. TOPSOIL, SEEDING, FERTILIZER AND MULCH PER PLANS
26. HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
27. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
28. POROUS GRANULAR EMBANKMENT SUBGRADE, AS NEEDED
29. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, AS NEEDED

EXISTING THICKNESS TABLE

ROADWAY	EXISTING HOT-MIX ASPHALT THICKNESS (INCHES)	EXISTING AGGREGATE BASE COURSE THICKNESS (INCHES)
EXISTING BASELINE ROAD	7.5	9
HORSEMEN TRAIL (STA 3+45 TO STA 9+50)	11	12
HORSEMEN TRAIL (STA 9+50 TO STA 15+00)	7.75	3
CATERPILLAR DRIVE	4 (SHOULDER)	0 (SHOULDER)
ORCHARD ROAD	12.5	6

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE

ROADWAY	OPERATION	PAY ITEM DESCRIPTION	AC TYPE	VOIDS
CANNONBALL TRAIL	NEW CONSTRUCTION	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 4 1/4" (HMA BINDER IL-19.0 MM) (BOTTOM 2 1/4")	PG 64 -22*	4% @ 50 Gyr.
		(HMA SURFACE, MIX "D", IL-9.5 MM) (TOP 2")	PG 64 -22	4% @ 50 Gyr.
CANNONBALL TRAIL	OVERLAY, 2"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL-9.5 MM)	PG 64 -22	4% @ 50 Gyr.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ.YD./INCH.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: July 9, 2009 @ 3:24 PM By: Kris Pung — Tab: 13 Typ Sec 22x34

Path: N:\SSKPROJ\M007555\DWG\DWG FINAL ENG\M007555-CVR

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	14
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

STORM SEWER STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY A TY 8 F&G	INLET TY A TY 11 F&G	INLET TY B TY 11 F&G	CB TY A 4' DIA TY 11 F&G	CB TY C 2' DIA TY 11 F&G	CB SPECIAL TY 11 F&G	MH TY A 4' DIA TY 1 FR&CL	MH TY A 4' DIA TY 8 GR	PRC FES 12"	PRC FES 15"	PRC FES 18"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS					T/C ELEV (RIM ELEV IF NO T/C)
															LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W	4" UNDER-DRAIN	
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH									
1	201232.4	84.6	RT									1			12	13	17.3					NW 655.25		N/A
2	201232.3	15.5	RT				1											660.75	658.00				S 663.90	667.40
3	201240.1	33.3	LT				1													663.05	661.35	SE 661.35	E 661.35	666.95
4	201173.3	29.2	LT				1													662.15	663.00		W 662.15	666.65
5	201174.8	64.1	LT	1																663.25				665.75
6	201257.3	37.0	LT	1																		SW 663.25		665.50
7	201116.0	88.1	RT									1			12	13	17.3				655.25			N/A
8	201090.0	15.5	RT				1													659.00	661.65			666.55
9	201090.0	15.5	LT		1															662.05				666.55
10	200712.8	76.9	LT									1			12	13	17.3					NE 654.40		N/A
11	200780.0	15.5	LT				1											659.25		659.85		SW 657.00		664.65
12	200875.0	15.5	LT				1											660.15	660.15	660.15				665.25
13	200940.0	15.5	LT				1												660.85	660.85				665.65
14	200940.0	15.5	RT					1													661.15			665.65
15	200780.0	15.5	RT					1													660.15			664.65
16	200875.0	15.5	RT					1													660.75			665.25
17	200500.0	89.1	RT									1			12	13	17.3					NW 654.60		N/A
18	200500.0	15.5	RT				1													656.00	657.10			663.00
19	200500.0	15.5	LT				1											657.50		657.50				663.00
20	200600.0	15.5	LT				1												658.70	658.70				663.60
21	200600.0	15.5	RT					1													659.10			663.60
22	200385.0	93.1	RT									1			12	13	17.3					NW 654.60		N/A
23	200385.0	15.5	RT				1											657.75	656.00				S 660.00	662.50
24	200385.0	15.5	LT		1														658.00				N 660.00	662.50
25	200244.0	87.8	RT									1			12	13	17.3					NW 654.60		N/A
26	200200.0	15.5	RT				1											658.75	658.75					663.60
27	200200.0	15.5	LT		1														659.10					663.60
28	1350.0	84.9	RT									1			12	13	17.3				654.50			N/A
29	1350.0	25.5	RT				1											661.35		656.50	659.40			665.90
30	1415.0	25.5	RT				1											662.00	662.00					666.50
31	1475.0	25.5	RT					1											662.60					667.10
32	1350.0	13.5	LT					1												659.80				666.15
33	1114.9	89.9	RT										1		12	13	17.3				654.40			N/A
34	1094.0	25.5	RT				1												654.95	654.95	660.45		E 662.50	665.00
35	975.0	25.5	RT				1											655.45	655.45		660.60			665.70
36	905.0	25.5	RT				1											656.00	656.00					666.15
37	850.0	25.5	RT				1											656.55	656.55					666.45
38	704.5	33.3	RT							1								657.40	657.40					666.10
39	570.0	35.5	RT								1							658.20	658.20		661.55			664.85
40	503.8	35.0	RT								1							658.60	658.60		661.00			664.30
41	438.5	27.6	RT							1								658.90	658.90					666.00
42	426.2	40.3	RT								1							659.00	659.00					663.00
43	416.5	36.4	RT					1														NE 659.50	E 663.05	665.55
44	1094.0	13.5	RT					1												660.70			W 662.70	665.20
45	975.0	13.5	LT					1												661.40				665.90
46	570.0	25.5	LT					1														SE 661.75		666.75
47	503.8	25.5	LT					1														SE 661.20		666.40
48	450.7	25.4	LT									1			10	20	22.2					NE 663.30		N/A
49	503.8	13.5	LT					1														SW 663.60		666.65
50	389.5	30.6	LT									1			10	11	12.2					SE 662.80		N/A
51	386.0	19.4	LT						1													NW 662.90	SW 663.10	665.60
52	201455.6	77.8	RT									1			12	13	17.3	655.00						N/A
53	201448.3	15.2	LT						1									662.60	655.35					667.20
54	201437.2	15.5	LT			1												662.90	662.90					667.40
55	201437.8	19.4	LT		1														663.00					667.50
56	907.8	24.0	LT											1							661.91			N/A
			TOTALS=	2	4	1	18	12	2	2	3	10	1	1			190							

* STRUCTURES 1–27 & 52–55 ARE LOCATED ON BASELINE ROAD
STRUCTURES 28–51 ARE LOCATED ON HORSEMEN TRAIL
STRUCTURE 56 IS LOCATED ON CANNONBALL TRAIL

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 2 12" FOOT	SSRG CLA TY2 12" FOOT	SS CL A TY 2 15" FOOT	SS CL A TY 2 18" FOOT
2	1	2	12	61	3.99		61			
3	2	3	12	45	1.22	31.0	45			
4	3	4	12	68	1.11	21.6	68			
5	4	5	12	32	0.71		32			
6	3	6	12	16	1.05		16			
8	7	8	12	68	4.93		68			
9	8	9	12	28	1.29	24.2	28			
11	10	11	12	78	3.02		78			
12	11	12	12	91	0.95	81.7	91			
13	12	13	12	64	1.03	16.3	64			
14	13	14	12	28	0.97	5.6	28			
15	11	15	12	28	0.97	7.4	28			
16	12	16	12	28	1.94	7.4	28			
18	17	18	12	66	1.89		66			
19	18	19	12	27	1.29	26.5	27			
20	19	20	12	92	1.25	28.8	92			
21	20	21	12	28	1.29	7.3	28			
23	22	23	12	69	1.82		69			
24	23	24	12	28	0.81	6.7	28			
26	25	26	12	80	4.72		80			
27	26	27	12	28	1.13	6.8	28			
29	28	29	12	51	3.39		51			
30	29	30	12	61	1.00	12.6	61			
31	30	31	12	57	1.00	11.6	57			
32	29	32	12	36	1.03	15.6	36			
34	33	34	15	60	0.81				60	
35	34	35	15	115	0.42	148.8			115	
36	35	36	12	67	0.77	85.2	67			
37	36	37	12	54	0.95	89.6	54			
38	37	38	12	149	0.56	145.1	149			
39	38	39	12	139	0.56		139			
40	39	40	12	63	0.60		63			
41	40	41	12	57	0.49	5.2	57			
42	41	42	12	13	0.59		13			
43	42	43	12	8	4.55		8			
44	34	44	12	36	0.64		36			
45	35	45	12	36	2.05		36			
46	39	46	12	7	2.00		7			
47	40	47	12	7	2.00		7			
49	48	49	12	49	0.54	2.4	49			
51	50	51	12	5	0.83		5			
53	52	53	12	56	0.56			56		
54	53	54	12	27	0.86	9.2		27		
55	54	55	12	2	2.50		2			
56	N/A	56	18	20	0.29	3.1				20
					TOTAL	780	1950	83	175	20

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM SEWER SCHEDULES

SCALE:

DRAWN BY: KKP

DATE: 03-26-09

CHECKED BY: TVW

PLAN: STAKED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, NOTE BOOK, NO.; BY; DATE

PROFILE: STAKED, PLOTTED, GRADES CHECKED, ALIGNMENT CHECKED, NOTE BOOK, NO.; STRUCTURE NOTATNS CHKD

Plotted: June 30, 2009 @ 8:40 AM By: Kris Pung - Tab: 14 SS Schedule 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-SCHEDULE

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	15
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PAVEMENT QUANTITIES SCHEDULE

STATION	STATION	L FT	PAVT W FT	ADD. PAVT A SY	TOTAL PAVT A SY	SHLD W FT	ADD. SHLD A SY	SHLD A SY	PAVED SHLDR REM SY	PVT. REM. SY	COMB. C&G REM. FT	HMA SURF REM, 1.5" SY	HMA SURF REM, 2" SY	HMA SURF REM, VAR. DEPTH SY	HMA SURF REM BUTT JOINT SY	CLASS D PATCH, TYPE II, 7 INCH SY	CLASS D PATCH, TYPE III, 7 INCH SY	CLASS D PATCH, TYPE IV, 7 INCH SY	CLASS D PATCH, TYPE IV, 9 INCH SY	AGG. SUBGR. 12" SY	COMB CC&G TY B-6.12 FT	BIT. MATL. PR. CT GAL	AGG. PR. CT TON	STRIP REFL. CRACK CONT. FT	LEVEL BIND (MM), N70 TON	ADDIT. LEVEL BIND (MM), N70 TON	HMA SURF CSE, MIX D, N 50 TON	HMA SURF CSE, MIX D, N70 TON	HMA FULL DEPTH, 4.25" SQ YD	HMA BASE CSE, 6.75" SQ YD	HMA BASE CSE, 7.5" SQ YD	POLY HMA BIND CSE, N90 TON	POL. BIT. MATL. PR. CT. GAL	POLY HMA SURF CSE N90 TON	HMA FULL DEPTH PVT. 10" SQ YD	HMA SHLDRS 8" SQ YD
BASELINE ROAD																																				
200024.00	200400.00	376.00	28	48	1218															1475.1	772.0	731	2												1217.8	
200400.00	200850.00	450.00	28		1400															1700.0	900.0	840	3												1400.0	
200850.00	201250.00	400.00	28		1244															1464.4	660.0	747	2												1244.4	
201250.00	201460.66	210.66	28		655															846.1	572.0	393	1												655.4	
BASELINE EXTENSION																																				
BASELINE / BASELINE EXTENSION INTERSE		655																		700.0	135.0	393	1												655.0	
EXISTING BASELINE ROAD (OVERLAY ONLY)																																				
EXISTING BASELINE ROAD		1280								358.0			942.0		290.0			116.0				128	3				143.4									
HORSEMEN TRAIL																																				
WIDENING AREA																																				
414.23	800.00	385.77	6		257					8.0	36.0						20.0			385.8	385.8	129		386						257.2						
414.23	800.00	385.77	5		214					18.0				352.0			18.0			342.9	385.8	107		386						214.3						
800.00	1250.00	450.00	2		100					82.0	44.0				154.0	8.0		138.0		243.3	430.0	50		450						100.0						
800.00	1250.00	450.00	11		550											14.0		43.0		673.3	370.0	275		450						550.0						
1250.00	1500.00	250.00	2		56					60.0	20.0				190.0		17.0			138.9	250.0	28		250						55.6						
1250.00	1483.00	233.00	11.5		298						18.0									381.1	250.0	149		233						297.7						
OVERLAY (ON EXISTING ROAD AND WIDENING)																																				
414.23	800.00	385.77	36	94	1637																	164	3		91.7	98.8		137.5								
800.00	1250.00	450.00	36	105	1905																	191	4		106.7	102.8		160.0								
1250.00	1500.00	250.00	36	2	1002																	100	2		56.1	52.4		84.2								
CATERPILLAR DRIVE																																				
REMOVAL ITEMS, PATCHING & MISC. ITEMS																																				
300060.00	300900.00	840.00	24		2240				735.0		85.0	2240.0			693.0				200.0		140.0			840												
300900.00	300975.00	75.00	26.25		219							218.8			218.0									75												
300060.00	300142.95	82.95	24		221							221.2												83												
300142.95	300975.00	832.05	33		3051							3050.8												832												
WIDENING AREA - TRAVEL LANE																																				
300062.98	300220.00	157.02	12		209															226.8		105			11.7								151.0	20.9	25.2		
300220.00	300505.00	285.00	12		380															411.7		228			21.3			42.6		380.0						
300590.00	300920.00	330.00	8		293															330.0		176			16.4			32.9		293.3						
300061.00	300142.95	81.95	4		36															45.5		22			2.0			4.1		36.4						
WIDENING AREA - PAVED SHOULDER																																				
300062.98	300220.00	157.02				4		69.79																												69.8
300220.00	300515.00	295.00				4		131.1																												131.1
300595.00	300880.00	285.00				6		190																												190.0
300061.00	300142.95	81.95				4		36.42																												36.4
OVERLAY (ON EXISTING ROAD AND WIDENING)																																				
300060.00	300220.00	160.00	73	379.7	1677																	168	3		93.9								167.7	202.0		
300220.00	300610.00	390.00	73		3163																	316	6		177.1			354.3								
300610.00	301005.58	395.58	67	283.3	3228																	323	6		180.8			361.6								
300031.00	300060.00				707																	71	1		39.6			79.2								
ORCHARD ROAD																																				
WIDENING AREA - TRAVEL LANE																																				
8027.75	8065.00	37.25	4		17															20.7		10											13.0	1.7	2.0		
8065.00	8227.75	162.75	8		145															162.8		87											113.0	14.5	17.4		
8227.75	8435.00	207.25	12	76	352															375.4		211											275.0	35.2	42.4		
8537.74	8652.74	115.00	4	12	63															75.9		38											50.0	6.3	7.6		
WIDENING AREA - PAVED SHOULDER																																				
8027.75	8435.00	407.25				4	21.11	202.1	464.0																												202.1
8537.74	8652.74	115.00				4	8.22	59.33	138.0																												59.3
CANNONBALL TRAIL																																				
CANNONBALL TRAIL																																				
783.67	976.08	192.41	22	25	495					572.0					100.0					428.1		297	1					495.3								
		TOTALS							1,337	1,098	203	5,731	942	352	1,645	22	55	297	200	10,428	5,251	6,475	41	3,985	798	255	144	1,257	496	1,475	710	602	247	297	5,173	689

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT SCHEDULE

SCALE:

DRAWN BY: KKP

DATE: 03-26-09

CHECKED BY: TVW

PLAN — SURVEYED / PLOTTED / NOTE BOOK / NO. / ALIGNMENT CHECKED / GRADES CHECKED / R.L.A. WORK / CADD FILE NAME / STRUCTURE NO(S)/CHKD / BY / DATE

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / NO. / GRADES CHECKED / R.L.A. WORK / STRUCTURE NO(S)/CHKD / BY / DATE

Plotted: July 9, 2009 @ 3:09 PM By: Kris Pung - Tab: 15 Pvmt Schedule 22x34

Path: H:\SDSKPROJ\M007555\DWG\DWG FINAL ENG\M007555-SCHEDULE

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	16
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE

	THERMOPLASTIC PAVEMENT MARKINGS							PAINT PAVEMENT MARKINGS	TEMPORARY PAVEMENT MARKINGS					PAVEMENT MARKING REMOVAL	WORKZONE PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT MARKING	RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REF. PAVEMENT MARKER REMOVAL
	4"		6"		12"	24"	LETTERS & SYMBOLS	4"	4"	6"	12"	24"	LETTERS & SYMBOLS					
	YELLOW	WHITE	DOTTED WHITE	LANE LINE WHITE	DIAGONAL YELLOW	STOP BAR WHITE	ARROW & ONLY WHITE	YELLOW									AMBER, 2-WAY	
	LF	LF	LF	LF	LF	LF	SQ FT	LF	LF	LF	LF	LF	SQ FT	SQ FT	SQ FT	LF	EACH	EACH
BASELINE ROAD																		
STA. 2000+00 TO 2008+50	1,620					18			1,620	0	0	18	0.0		135	405	42	
STA. 2008+50 TO 2014+61	1,534	397				20		311	1,931	0	0	20	0.0		160	480	30	5
(INCLUDING BASELINE EXT.)																		
									0	0	0	0	0.0		0	0		
HORSEMEN TRAIL																		
STA. 3+45 TO 11+50	2,051			93	96	16	15.6		2,051	93	96	16	15.6		179	536		
STA. 11+50 TO 15+00	352		72	148			52.0		352	220	0	0	52.0		42	125		
STA. 15+00 TO 18+80	755		56	110	25		36.4		755	166	25	0	36.4	417	72	216		
CATERPILLAR DRIVE																		
STA. 3000+31 TO 3007+50	1,378	1,571	50	563	38	147	46.8		2,949	613	38	147	46.8		293	878		7
STA. 3007+50 TO 3010+06	824	560			17				1,384	0	17	0	0.0		115	346		3
CANNONBALL TRAIL																		
STA. 7+83 TO 9+40	314	314				10			628	0	0	10	0.0		52	157		
ORCHARD ROAD																		
STA. 80+27 TO 86+53		534	64	215	15	15	140.4		554.5	279	15	15	140.4		62	187		
TOTAL	**8,828**	**3,376**	**242**	**1,129**	**191**	**226**	**291.2**	**311**	**12,224.5**	**1,371**	**191**	**226**	**291.2**	**417**	**1,110**	**3,330**	**72**	**15**
	12,204		**1,371**															

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SCHEDULE

SCALE: DRAWN BY: KKP
DATE: 03-26-09 CHECKED BY: TVW

PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
R.O.W. CHECKED	
CADD FILE NAME	
NOTE BOOK NO.	

PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	

Plotted: July 13, 2009 @ 1:54 PM By: Kris Pung - Tab: 16 Stripe Schedule 22x34

Path: H:\SDSK\PROJ\WO0755\DWG\DWG FINAL ENG\WO0755-SCHEDULE

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	17
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN SCHEDULE

LOCATION	R1-1-30 STOP		R1-2-36 YIELD		R2-1-2430 SPEED LIMIT 30		R3-5R-3036 ONLY		R3-7R-30 RIGHT LANE MUST TURN RIGHT		R3-17a-1230 AHEAD		W1-7-2448		W1-8L-1824		TELESCOPING STEEL SIGN SUPPORT, LF
	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	
BASELINE ROAD																	
1999+78 RT													1	8.00			15
2000+41 LT	1	6.25															15
2002+00 RT					1	5.00											15
2010+00 LT					1	5.00											
2011+90 RT													1	8.00			15
2012+45 LT															1	3.00	15
2012+85 LT															1	3.00	15
2013+25 LT															1	3.00	15
2013+65 LT															1	3.00	15
2014+05 LT															1	3.00	15
2014+45 LT															1	3.00	15
BASELINE EXTENSION																	
2051+58			1	3.90													15
2052+00	1	6.25															15
HORSEMEN TRAIL																	
18+75 LT									1	6.25							15
ORCHARD ROAD																	
84+93.75 RT							1	7.50									15
CATERPILLAR DRIVE																	
3004+50 LT									1	6.25							15
3007+25 LT									1	6.25	1	2.50					15
TOTAL	**2**	**12.50**	**1**	**3.90**	**2**	**10.00**	**1**	**7.50**	**3**	**18.75**	**1**	**2.50**	**2**	**16.00**	**6**	**18.00**	**240**

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, R.L.M. VERIFIED, NOTE BOOK, NO.___, BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, R.L.M. VERIFIED, STRUCTURE, NOTA'NS CHKD, BY, DATE

Plotted: June 26, 2009 @ 8:48 AM By: Kris Pung – Tab: 17 Sign Schedule 22x34

Path: H:\SIS\PROJ\M007755\DWG\DWG FINAL ENG\M007755-SCHEDULE

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	18
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / BM & CONTROL VERIFIED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

RESTORATION SCHEDULE

				SEEDING CLASS 1A	SEEDING CLASS 2A	PRAIRIE SEEDING (SPECIAL)	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 3	TOPSOIL, FURNISH & PLACE, 4"
				AC	AC	AC	LBS	LBS	LBS	AC	SY
BASELINE ROAD											
2000+24	2004+00	LT.		0.14	0.00	0.00	12.5	12.5	12.5	0.14	
2000+24	2004+00	RT.		0.15	0.00	0.014	15.1	15.1	15.1	0.17	
2004+00	2008+50	LT.		0.17	0.00	0.007	16.1	16.1	16.1	0.18	
2004+00	2008+50	RT.		0.19	0.00	0.006	17.7	17.7	17.7	0.20	
2008+50	2012+00	LT.		0.28	0.00	0.00	24.8	24.8	24.8	0.28	
2012+00	2014+61	LT.		0.12	0.00	0.00	11.2	11.2	11.2	0.12	
2008+50	2014+61	RT.		0.24	0.00	0.018	23.5	23.5	23.5	0.26	
HORSEMEN TRAIL											
3+83	8+00	LT.		0.15	0.00	0.00	13.5	13.5	13.5	0.15	
3+83	8+00	RT.		0.14	0.00	0.00	12.9	12.9	12.9	0.14	
8+00	11+50	LT.		0.06	0.00	0.00	5.6	5.6	5.6	0.06	
8+00	11+50	RT.		0.10	0.00	0.004	9.5	9.5	9.5	0.11	
11+50	15+00	LT.		0.08	0.00	0.00	7.0	7.0	7.0	0.08	
11+50	15+00	RT.		0.15	0.00	0.004	14.3	14.3	14.3	0.16	
CATERPILLAR DRIVE											
3000+31	3003+50	LT.		0.00	0.13	0.00	11.4	11.4	11.4	0.13	611
3000+31	3003+50	RT.		0.00	0.04	0.00	3.7	3.7	3.7	0.04	200
3003+50	3007+50	LT.		0.00	0.09	0.00	8.4	8.4	8.4	0.09	453
3003+50	3007+50	RT.		0.00	0.03	0.00	2.4	2.4	2.4	0.03	132
3007+50	3010+06	LT.		0.00	0.02	0.00	2.1	2.1	2.1	0.02	112
3007+50	3010+06	RT.		0.00	0.01	0.00	1.2	1.2	1.2	0.01	62
ORCHARD ROAD											
80+28	83+50	LT.		0.00	0.10	0.00	9.0	9.0	9.0	0.10	486
83+50	84+40	RT.		0.00	0.07	0.00	6.5	6.5	6.5	0.07	349
CANNONBALL TRAIL											
7+84	9+76	LT.		0.00	0.08	0.00	6.8	6.8	6.8	0.08	364
7+84	9+76	RT.		0.00	0.13	0.00	11.7	11.7	11.7	0.13	631
TOTAL				**2.0**	**0.7**	**0.1**	**247**	**247**	**247**	**2.7**	**3400**

EARTH WORK SCHEDULE

LOCATION	EARTH EXCAVATION, CY	EARTH EXCAVATION. ADJUSTED FOR SHRINKAGE, CY	EMBANKMENT, CY	EARTH WORK BALANCE WASTE(+) OR SHORTAGE (-)
BASELINE ROAD				
Sta. 2000+00 - 2011+50	1,570	1,335	953	382
Sta. 2011+50 - 2014+61	1,226	1,042	188	854
SUBTOTAL	2,796	2,377	1,141	1,236
HORSEMEN TRAIL				
Sta. 3+83 - 8+00	391	334	221	113
Sta. 8+00 - 10+50	154	132	148	-16
Sta. 10+50 - 15+00	240	203	716	-513
SUBTOTAL	785	669	1,085	-416
CATERPILLAR DRIVE				
Sta. 3000+31 - 3005+50	500	426	125	301
Sta. 3005+50 - 3010+06	421	358	19	339
SUBTOTAL	921	784	144	640
ORCHARD ROAD				
Sta. 80+28 - 85+00	310	262	216	46
Sta. 85+00 - 86+53	65	55	0	55
SUBTOTAL	375	317	216	101
CANNONBALL TRAIL				
Sta. 7+84 - 9+76	86	74	188	-114
SUBTOTAL	86	74	188	-114
TOTALS	**4,963**	**4,221**	**2,774**	**1,447**

NOTE: STRIPPING AND PLACING TOP SOIL IS INCIDENTAL TO EARTHWORK.
SHRINKAGE FACTOR = 0.15

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BM & CONTROL VERIFIED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

POROUS GRANULAR EMBANKMENT, SUBGRADE SCHEDULE

LOCATION	LENGTH OF UNDERCUT, FT	AVG. WIDTH OF UNDERCUT, FT	DEPTH OF UNDERCUT, FT	POROUS GRANULAR EMBANKMENT, SUBGRADE, CY	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, SY
Baseline Rd. Sta. 2011+75 to Sta. 2014+60	285	31	1	327	982
Baseline Rd. Extension Sta. 2051+40 to Sta. 2052+35	95	60	1	211	633
CONTINGENCY - TO BE DETERMINED AS NEEDED DURING CONSTRUCTION				300	350
TOTALS				**838**	**1,965**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RESTORATION AND EARTHWORK SCHEDULES

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 30, 2009 @ 8:39 AM By: Kris Pung — Tab: 18 Schedule 22x34

Path: H:\SSSPROJ\M007755\DWG\DWG FINAL ENG\M007755 - SCHEDULE

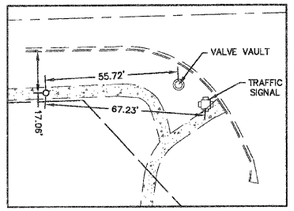
CONTRACT NO. 63207

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	19
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

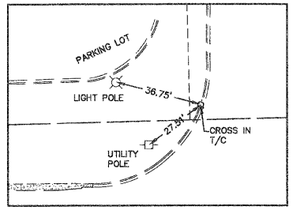
Engineering Enterprises, Inc.

HORIZONTAL CURVE TABLE							
CURVE	LENGTH	RADIUS	DELTA	D	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 1	610.68'	387.01'	90°24'37"	14°80'47"	2001+52.90	2004+58.24	2007+63.58
CURVE 2	609.67'	385.00'	90°43'51"	14°88'20"	2008+79.78	2011+85.18	2014+89.45
CURVE 3	102.45'	456.00'	12°52'23"	12°56'48"	4+23.41	4+74.64	5+25.87
CURVE 4	389.60'	514.90'	43°21'11"	11°12'75"	5+25.87	7+20.91	9+15.47
CURVE 5	1197.61'	1273.24'	53°53'33"	XXX	73+76	80+25	85+13
CURVE 6	92.15	100.00'	52°47'55"	57°29'58"	2050+83.45	2051+29.53	2051+75.60

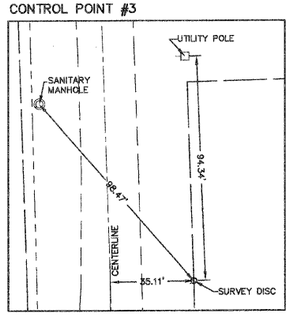
CONTROL POINT #1



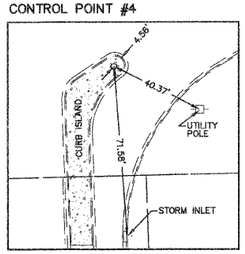
CONTROL POINT #2



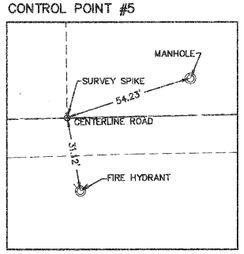
CONTROL POINT #3

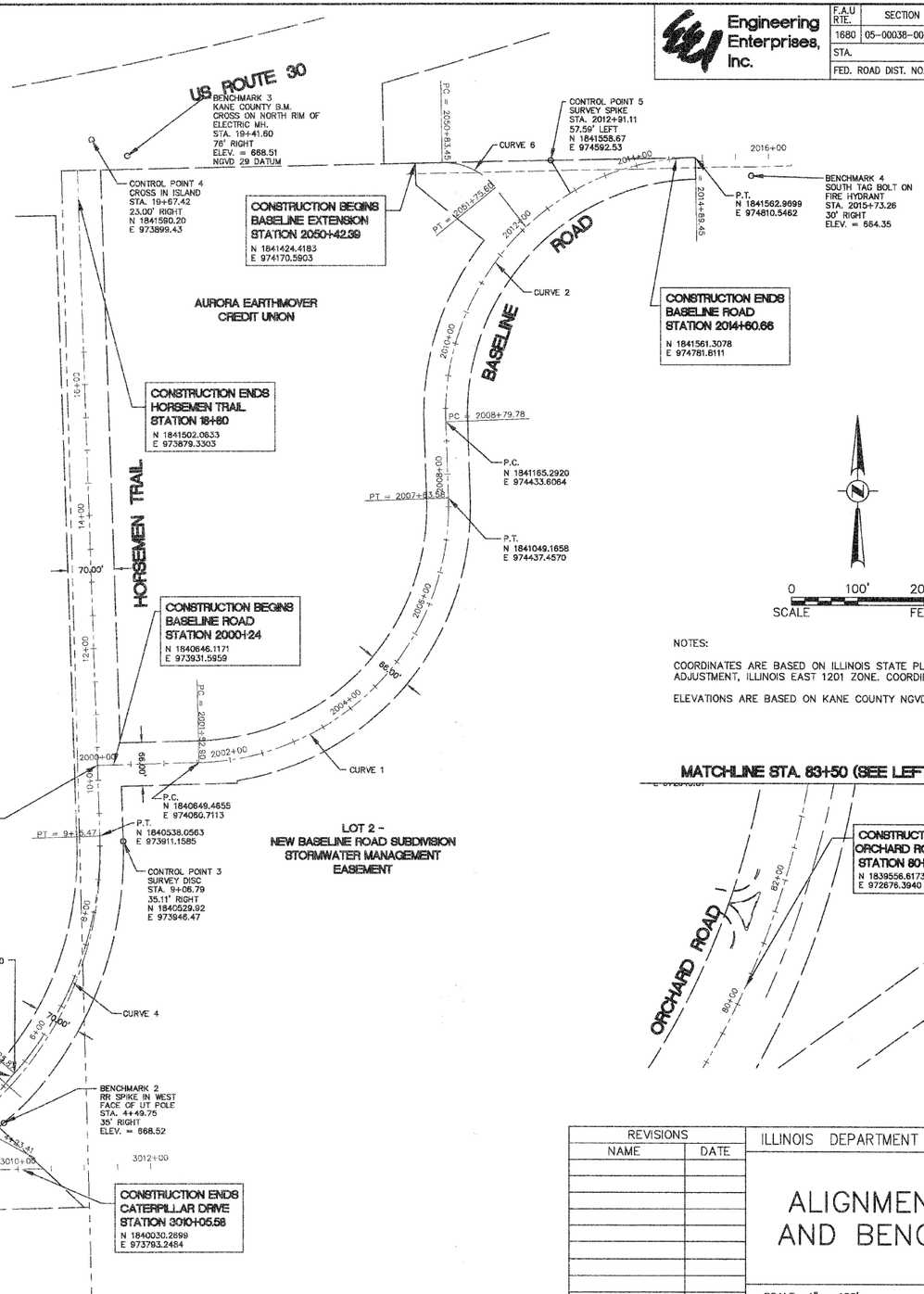


CONTROL POINT #4



CONTROL POINT #5





NOTES:

COORDINATES ARE BASED ON ILLINOIS STATE PLANE, NAD 83, 1997 HARN ADJUSTMENT, ILLINOIS EAST 1201 ZONE. COORDINATES ARE GROUND.

ELEVATIONS ARE BASED ON KANE COUNTY NGVD29 DATUM.

0 100' 200'
SCALE FEET

MATCHLINE STA. 83+50 (SEE LEFT)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1" = 100'
DRAWN BY: CEP
DATE: 03-26-09
CHECKED BY: TVW

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RE-PLOTTED, ALL MOVED, NOTE BOOK, NO.____, CADD FILE NAME____, BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ALL MOVED, NOTE BOOK, NO.____, STRUCTURE NO.____, CADD FILE NAME____, BY, DATE

Plotted: June 26, 2009 @ 11:34 AM By: Kris Pung - Tdc: 19 Align & Ties 22x34

Path: H:\SDSKPROJ\M007551\DWG\DWG FINAL ENG\M007551-CNTRL TIES

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	20
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN: SURVEYED | PLOTTED | ALIGNMENT CHECKED | GRADES CHECKED | RAILROAD | STRUCTURE NO(S).(IF ANY) CHKD | NOTE BOOK NO.____ | CADD FILE NAME____ | BY | DATE

PROFILE: SURVEYED | PLOTTED | ALIGNMENT CHECKED | GRADES CHECKED | RAILROAD | STRUCTURE NO(S).(IF ANY) CHKD | NOTE BOOK NO.____ | BY | DATE

US ROUTE 30

BASELINE ROAD PLAZA

JIM'S BODY SHOP

ALFIE'S BODY SHOP

LIMITS OF TEMPORARY USE PERMIT

CONSTRUCTION ENDS HORSEMEN TRAIL STATION 18+80

CONSTRUCTION ENDS BASELINE ROAD STATION 2014+60.66

AURORA EARTHMOVER CREDIT UNION

CONSTRUCTION BEGINS BASELINE EXTENSION STATION 2050+42.39

STORMWATER MANAGEMENT EASEMENT

0 100' 200'
SCALE FEET

BASELINE ROAD

HORSEMEN TRAIL

LOT 1 -
NEW BASELINE ROAD SUBDIVISION
STORMWATER MANAGEMENT EASEMENT

CONSTRUCTION BEGINS BASELINE ROAD STATION 2000+24

BASELINE ROAD STATION 2000+00
HORSEMEN TRAIL STATION 10+22.96

LOT 2 -
NEW BASELINE ROAD SUBDIVISION
STORMWATER MANAGEMENT EASEMENT

ORCHARD ROAD

CONSTRUCTION ENDS ORCHARD ROAD STATION 86+52.74

CONSTRUCTION BEGINS CATERPILLAR DRIVE STATION 3000+31

CATERPILLAR DRIVE STATION 3000+00
ORCHARD ROAD STATION 84+93.75

WALMART ACCESS

HORSEMEN TRAIL STATION 3+44.95
CATERPILLAR DRIVE STATION 3008+98.03

CONSTRUCTION ENDS CATERPILLAR DRIVE STATION 3010+05.58

CATERPILLAR DRIVE

CANNONBALL TRAIL

CONSTRUCTION BEGINS CANNONBALL TRAIL STATION 7+83.67

CONSTRUCTION ENDS CANNONBALL TRAIL STATION 9+76.08

MATCHLINE STA. 83+50 (SEE RIGHT)

MATCHLINE STA. 83+50 (SEE LEFT)

ORCHARD ROAD

CONSTRUCTION BEGINS ORCHARD ROAD STATION 80+27.75

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

Plotted: June 26, 2009 @ 11:36 AM By: Kris Pung - Tab: 20 General 22x34

Path: H:\SIS\PROJ\M00755\DWG\DWG FINAL ENG\M00755-GENERAL

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00036-00-PV	KANE/KENDALL	130	21
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
GRADES CHECKED
R.L.M. WORKED
QUAD FILE NAME
NOTE BOOK
NO.
STRUCTURE NO/ATMS CHKD
BY
DATE

PROFILE
SURVEYED
DRAWN
ALIGNMENT CHECKED
GRADES CHECKED
R.L.M. WORKED
QUAD FILE NAME
NOTE BOOK
NO.
STRUCTURE NO/ATMS CHKD
BY
DATE

US ROUTE 30

NOTE:
WORK REQUIRED NORTH OF THE PRESCRIPTIVE R.O.W. AS NECCESSARY TO REALIGN BASELINE ROAD TO BE COMPLETED VIA TEMPORARY USE PERMIT

N

0 20' 40'
SCALE FEET

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT, 58 SQ. YD.

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT, 56 SQ. YD.

STA: 2013+06.95
OFFSET: 88.47 L

STA: 2013+29.10
OFFSET: 55.29 L

SAWCUT PAVEMENT AT LIMITS OF REMOVAL (INCIDENTAL)

PAVEMENT REMOVAL, 358 SQ. YD.

HOT-MIX ASPHALT SURFACE REMOVAL, 2", 942 SQ. YD.

STA: 2014+60.66
OFFSET: 36.90 L

STA: 2014+60.66
OFFSET: 14.09 L

LIMITS OF REMOVAL STA. 2014+60.88

LIMITS OF REMOVAL STA. 2050+43

EXISTING R.O.W.

BASELINE ROAD

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT, 100 SQ. YD.

PT = 2051+75.60

CLASS "D" PATCH, TYPE IV, 116 SQ. YD.

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT, 76 SQ. YD.

EXISTING TWO-WAY AMBER PAVEMENT MARKER TO BE REMOVED (TYP.)

EXISTING R.O.W.

EXISTING R.O.W.

EXISTING R.O.W.

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL
- EXISTING PAVEMENT
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- CLASS "D" PATCH
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD EXISTING CONDITIONS AND REMOVAL PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

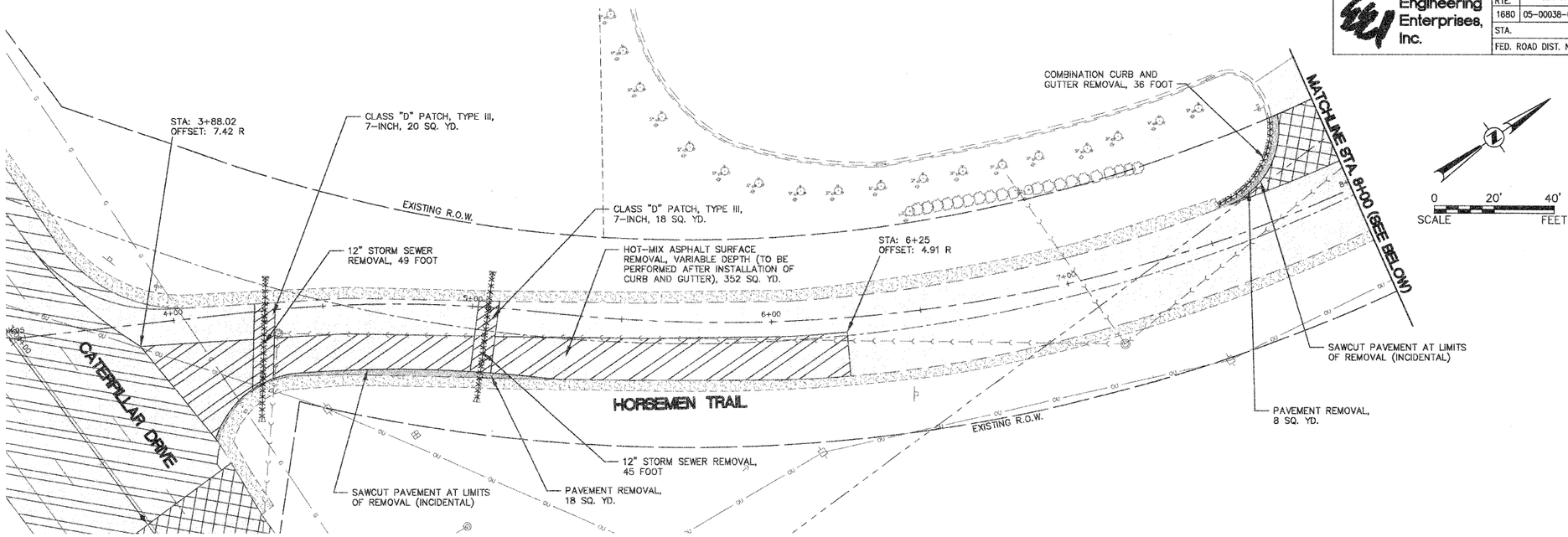
Plotted: June 25, 2009 @ 4:40 PM By: Kris Pung - Tab: 21 Removal 22x34

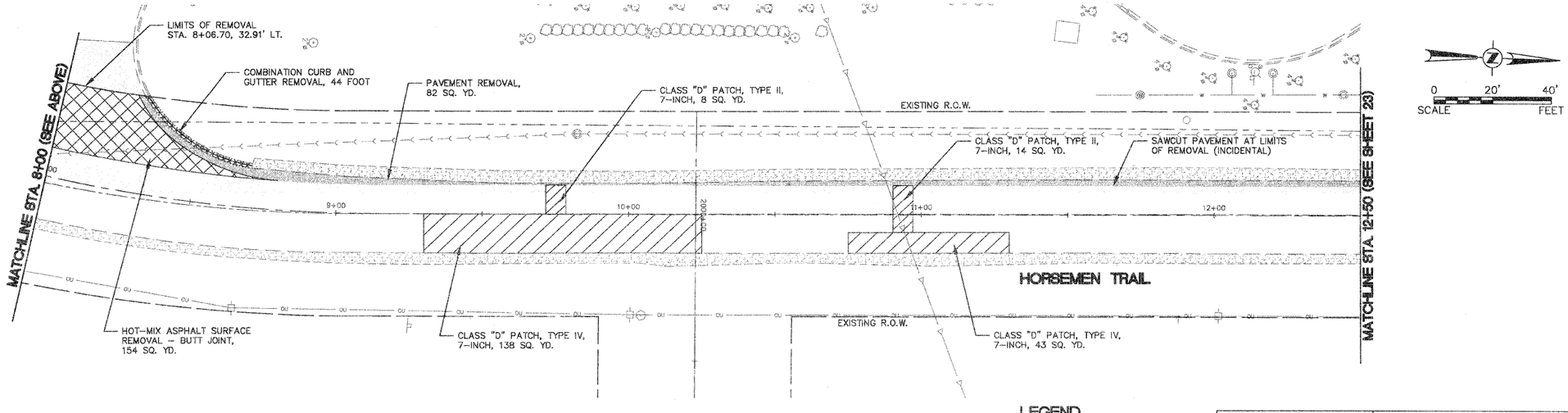
Path: N:\DISKPROJ\M007553\DWG\DWG FINAL ENG\M007553-RMVPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	22
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		





LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL
- EXISTING PAVEMENT
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- CLASS "D" PATCH
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL EXISTING CONDITIONS AND REMOVAL PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN: SURVEYED, DRAWN, ALIGNMENT CHECKED, ALL ANGLES AND CURVE DATA CHECKED, CADD FILE NAME: ____, NOTE BOOK NO.: ____, BY, DATE

PROFILE: SURVEYED, DRAWN, GRADES CHECKED, ALL ANGLES AND CURVE DATA CHECKED, STRUCTURE NO(S).: ____, BY, DATE

Plotted: June 25, 2009 @ 4:40 PM By: Kris Pung - Tab: 22 Removal 22x34

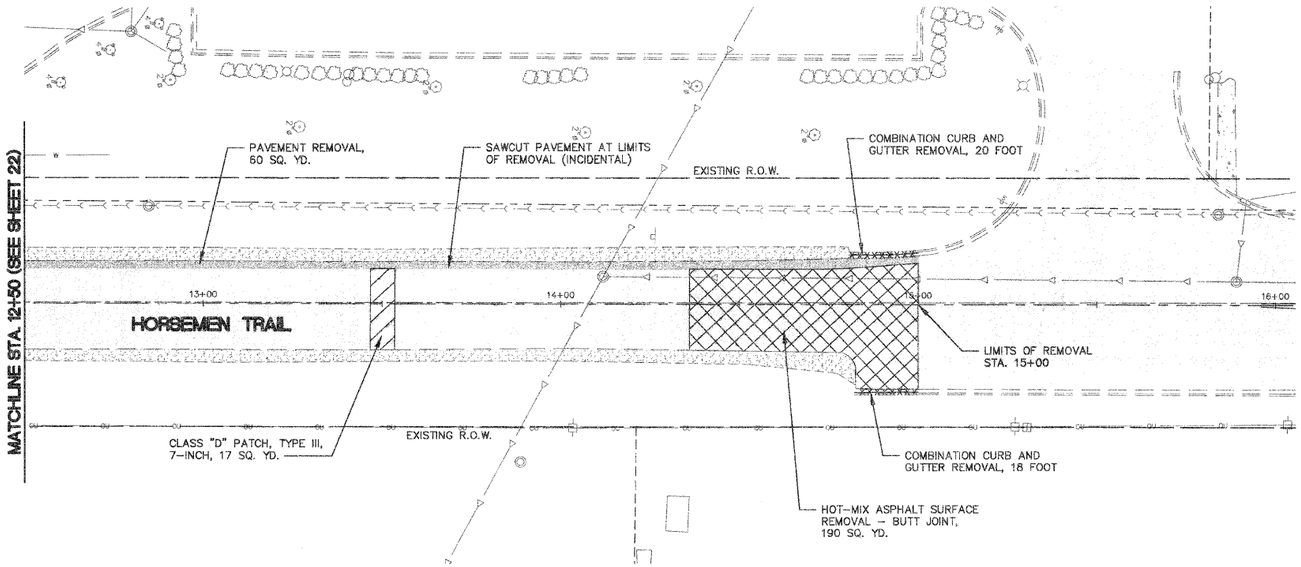
Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-RMVPLAN

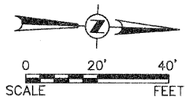
CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	23
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
NOTE BOOK	GRADES CHECKED		
NO.____	XS'S DRAWN/CHKD		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
NOTE BOOK	ALIGNMENT CHECKED		
NO.____	STRUCTURE NOTATNS CHKD		





NOTE:
SEE STRIPING AND SIGNAGE PLAN FOR CONTINUATION OF CONSTRUCTION LIMITS

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL
- EXISTING PAVEMENT
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- CLASS "D" PATCH
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL EXISTING CONDITIONS AND REMOVAL PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:34 AM By: Kris Pung - Tab: 23 Removal 22x34

Path: H:\SDSKPROJ\MC07551\DWG\DWG FINAL ENG\MC07551-RMVPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	24
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

NOTE:
SEE "ORCHARD ROAD AND CATERPILLAR DRIVE – TEMPORARY SIGNAL PLAN AND REMOVAL PLAN" SHEET FOR REMOVAL/RELOCATION WORK ITEMS AT THIS INTERSECTION.

ORCHARD ROAD

HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT, 400 SQ. YD.

LIMITS OF REMOVAL STA. 3000+31

EXISTING R.O.W.

SAWCUT PAVEMENT AT LIMITS OF REMOVAL (INCIDENTAL)

MATCHLINE STA. 3004+50 (SEE BELOW)

3000+00 3001+00 3002+02 3003+00 3004+00

STA: 3001+42.95
OFFSET: 24.55 R

CATERPILLAR DRIVE

EXISTING TWO-WAY AMBER PAVEMENT MARKER TO BE REMOVED (TYP.)

EXISTING R.O.W.

0 20' 40'
SCALE FEET

LIMITS OF REMOVAL STA. 3005+58.72, 60' LT.

WALMART ACCESS

NOTE:
SEE "CATERPILLAR DRIVE AND WALMART ACCESS – EXISTING SIGNAL PLAN" SHEET FOR REMOVAL/RELOCATION WORK ITEMS AT THIS INTERSECTION.

HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT, 293 SQ. YD.

COMBINATION CURB AND GUTTER REMOVAL, 50 FOOT

CLASS "D" PATCH, TYPE IV, 9 INCH, 200 SQ. YD.

COMBINATION CURB AND GUTTER REMOVAL, 35 FOOT

MATCHLINE STA. 3004+50 (SEE ABOVE)

3005+00 3006+00 3007+02 3008+00 3009+00 3010+00

EXISTING R.O.W.

CANNONBALL TRAIL

HOT-MIX ASPHALT SURFACE REMOVAL – 1.5", 5,731 SQ. YD.

PAVED SHOULDER REMOVAL, 735 SQ. YD.

SAWCUT PAVEMENT AT LIMITS OF REMOVAL (INCIDENTAL)

EXISTING R.O.W.

HORSEMEN TRAIL

LIMITS OF REMOVAL STA. 3010+05.58

CATERPILLAR DRIVE

HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT, 218 SQ. YD.

EXISTING R.O.W.

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL
- EXISTING PAVEMENT
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- CLASS "D" PATCH
- HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE EXISTING CONDITIONS AND REMOVAL PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

PLAN
STAKED
PLOTTED
NOTE BOOK
NO.
BY
DATE

PROFILE
STAKED
PLOTTED
GRADES CHECKED
R.R. X-INGS
NOTE BOOK
NO.
STRUCTURE NO(S)/PINS CHKD

Plotted: June 25, 2009 @ 4:41 PM By: Kris Pung – Tab: 24 Removal 22x34

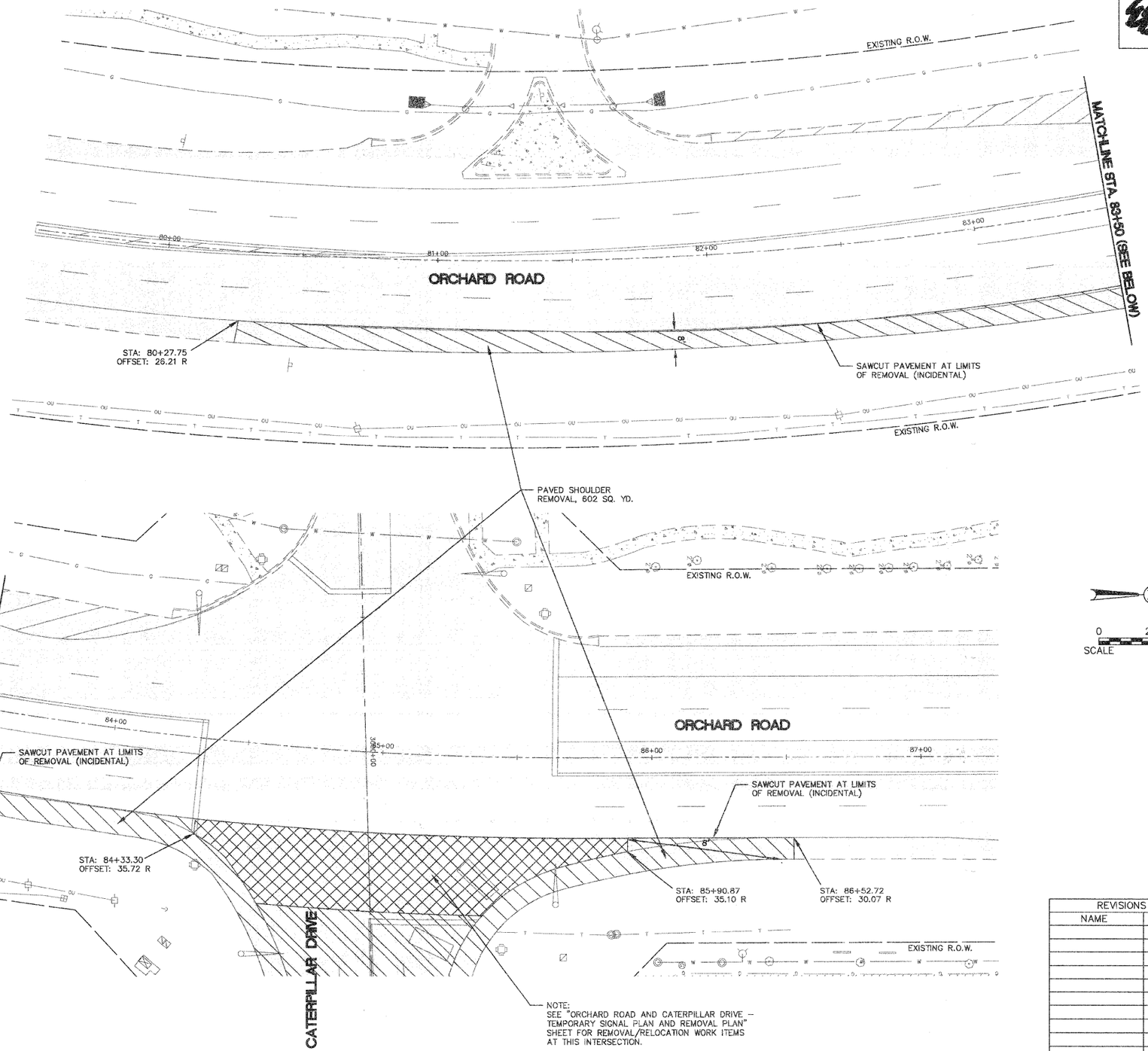
Path: H:\DSGN\ROU\M007515\DWG\LDWG FINAL ENG\M007515-RMVPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	25
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN
SUBMITTED
REVISED
ALIGNMENT CHECKED
GRADES CHECKED
R.O.W. MONUMENTED
NOTE BOOK
NO._____
CADD FILE NAME _____

BY	DATE



0 20' 40'
SCALE FEET

0 20' 40'
SCALE FEET

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL
- EXISTING PAVEMENT
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- CLASS "D" PATCH
- HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD EXISTING CONDITIONS AND REMOVAL PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

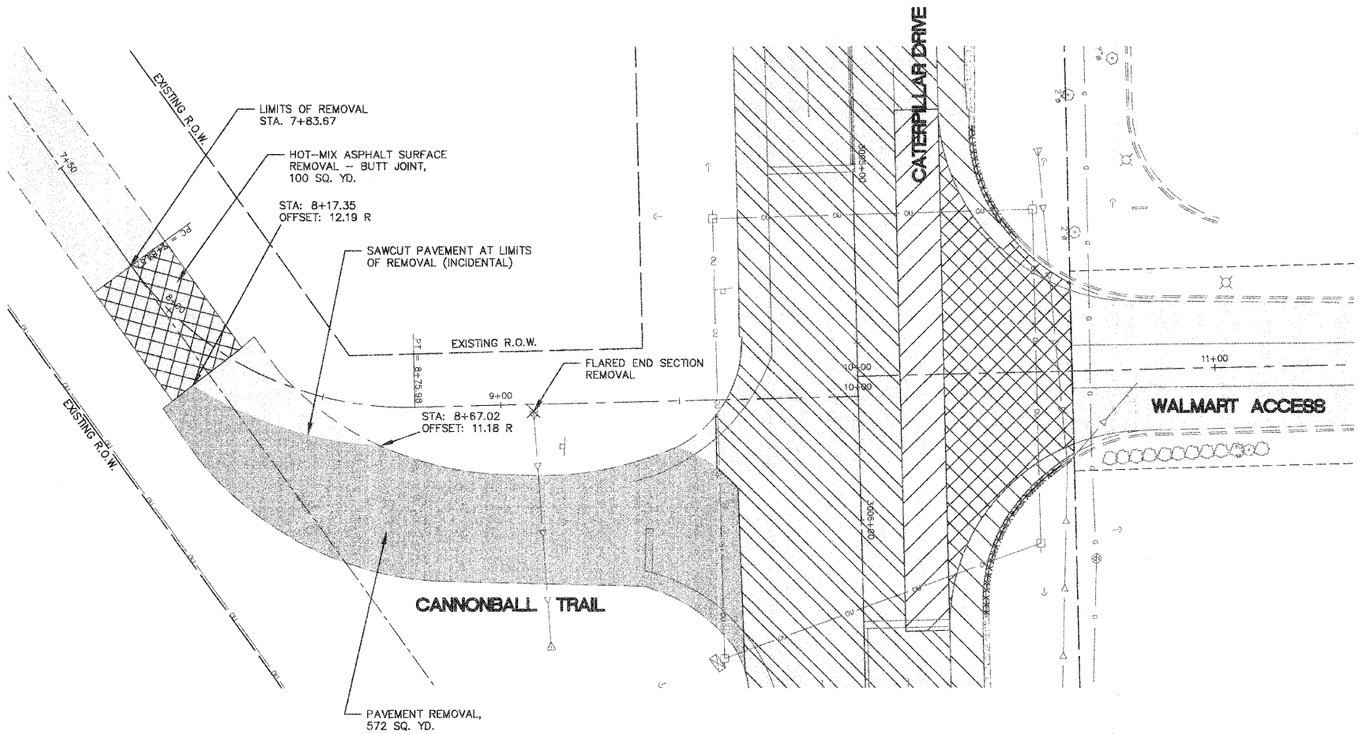
Plotted: June 25, 2009 @ 4:41 PM By: Kris Pung - Tab: 25 Removal 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-RMVPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	26
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



0 20' 40'
SCALE FEET

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL
- EXISTING PAVEMENT
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- CLASS "D" PATCH
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CANNONBALL TRAIL EXISTING CONDITIONS AND REMOVAL PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

PLAN
SURVEYED BY DATE
ADJUSTED
ALIGNMENT CHECKED
SE. LINK ADJUSTED
CADD FILE NAME
NOTE BOOK
NO.

PROFILE
SURVEYED BY DATE
ADJUSTED
GRADES CHECKED
ALIGNMENT NOTED
STRUCTURE NO(S)&/OR STA'NG

Plotted: June 25, 2009 @ 4:42 PM By: Kris Pung - Tab: 26 Removal 22x34

Path: H:\SDSKPROJ\W007555\DWG\DWG FINAL ENG\W007555-RMVPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	27
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, PLAN APPROVED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, PLAN APPROVED, STRUCTURE NO/PATHS CHKD, NOTE BOOK, NO., BY, DATE

HORSEMEN TRAIL

MATCHLINE STA. 2004+00 (SEE SHEET 28)

PROPOSED NEW PAVEMENT
PROPOSED AGGREGATE SUBGRADE, 12"
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 10"

STA. 2000+25.06
OFFSET 45.31' LT.

STA. 2000+34.51
OFFSET 33.00' LT.

EXISTING R.O.W.

30'R (TYP.)

STA. 2000+55.06
OFFSET 15.50' LT.

89°59'56"

BASELINE ROAD

14' 6" B-B

31' B-B

30' F-F

STA. 2000+55.63
OFFSET 15.50' RT.

CONSTRUCTION BEGINS
BASELINE ROAD
STATION 2000+24

POWER POLE TO BE RELOCATED (BY OTHERS)

STA. 2000+34.98
OFFSET 33.00' RT.

BASELINE ROAD STA. 2000+00
HORSEMEN TRAIL STA. 10+22.96

STA. 2000+25.63
OFFSET 45.69' RT.

STA. 2002+05.42
OFFSET 33.00' RT.

EXISTING R.O.W.

STA. 2002+04.94
OFFSET 36.83' RT.

PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (TYP.)

CURVE 1

66' R.O.W.

0 20' 40'
SCALE FEET

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'

HORIZONTAL CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 1	610.88'	387.01'	90°24'37"	389.79'	14°80'47"	N.C.	2001+52.90	2004+56.24	2007+63.58

PVI STA = 2000+24
PVI ELEV = 664.87

-2.00%

PROPSED GRADE ALONG CENTERLINE OF BASELINE ROAD

-0.79%

EXISTING GRADE ALONG CENTERLINE OF BASELINE ROAD

LOW POINT ELEV = 662.36
LOW POINT STA = 2003+85.06
PVI STA = 2003+75
PVI ELEV = 662.10
A.D. = 1.39
K = 107.78
150.00' VC

BVCE: 662.66
BVCS: 2003+00

12" STORM SEWER
80' @ 4.72%

15" STORM SEWER
INV = 665.25

675 670 665 660 655 650

665.13 665.35 | 663.97 664.66 | 663.67 664.27 | 663.37 663.88 | 663.04 663.48 | 662.79 663.08 | 662.57 662.69 | 662.24 662.41 | 661.88 662.37

2000+00 2001+00 2002+00 2003+00 2004+00

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD - PLAN + PROFILE - STA. 2000+00 TO STA. 2004+00

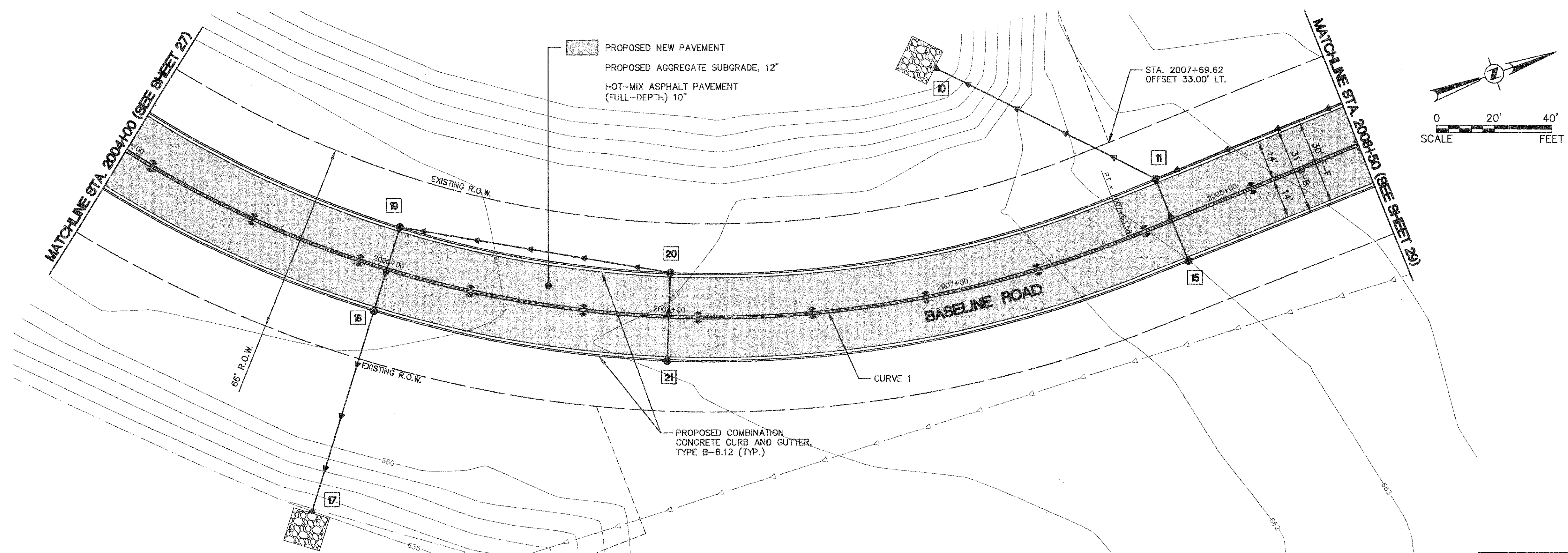
Plotted: June 26, 2009 @ 9:14 AM By: Kris Pung - Tab: 27 Baseline 22x34

Path: N:\ESDGPROJ\M007555\DWG\DWG FINAL ENG\M007555-PP

CONTRACT NO. 63207

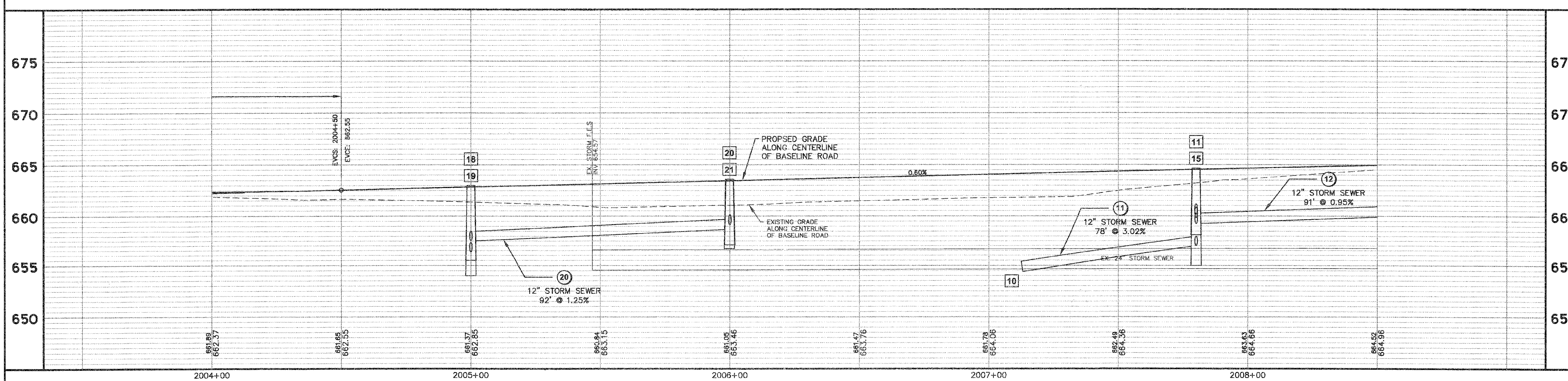
Engineering Enterprises, Inc.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	28
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



HORIZONTAL CURVE TABLE									
CURVE	LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 1	610.58'	387.01'	90°24'37"	389.79'	14°80'47"	N.C.	2001+52.90	2004+58.24	2007+63.58

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'



ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD - PLAN + PROFILE - STA. 2004+00 TO STA. 2008+50

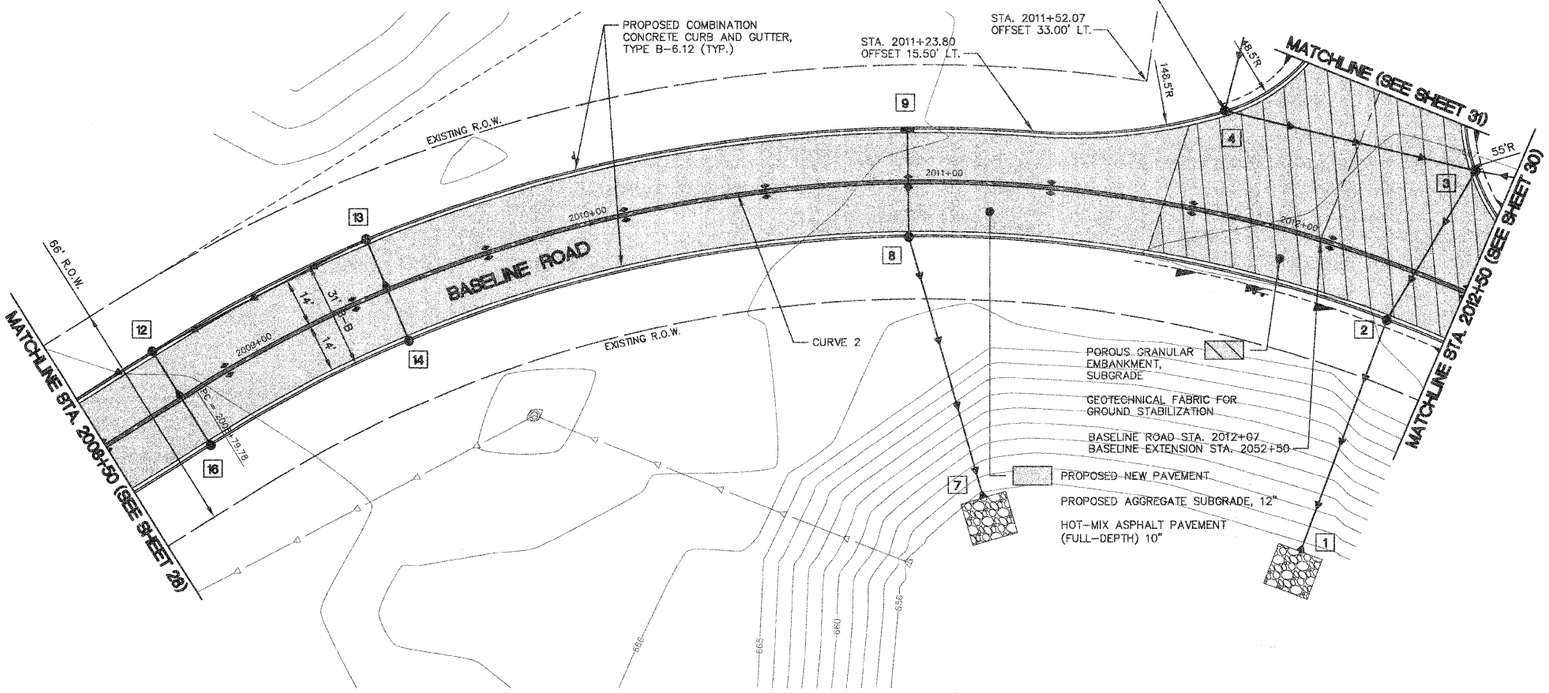
Plotted: June 26, 2009 @ 9:14 AM By: Kris Purg - Tab: 28 Baseline 22x34

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	29
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / GRADES CHECKED / M.M. WORKED / CADD FILE NAME / NOTE BOOK / NO. / STRUCTURE NO(S)/PINS CHKD / BY / DATE

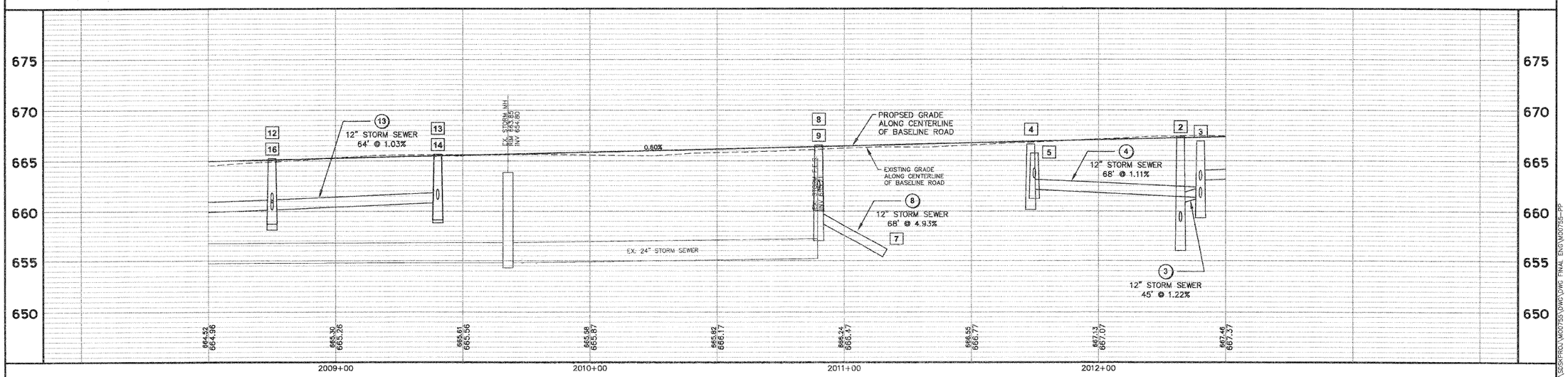


HORIZONTAL CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 2	609.67'	385.00'	90°43'51"	389.94'	14°88'20"	N.C.	2008+79.78	2011+85.18	2014+89.45

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / M.M. WORKED / NOTE BOOK / NO. / STRUCTURE NO(S)/PINS CHKD / BY / DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD - PLAN + PROFILE - STA. 2008+50 TO STA. 2012+50

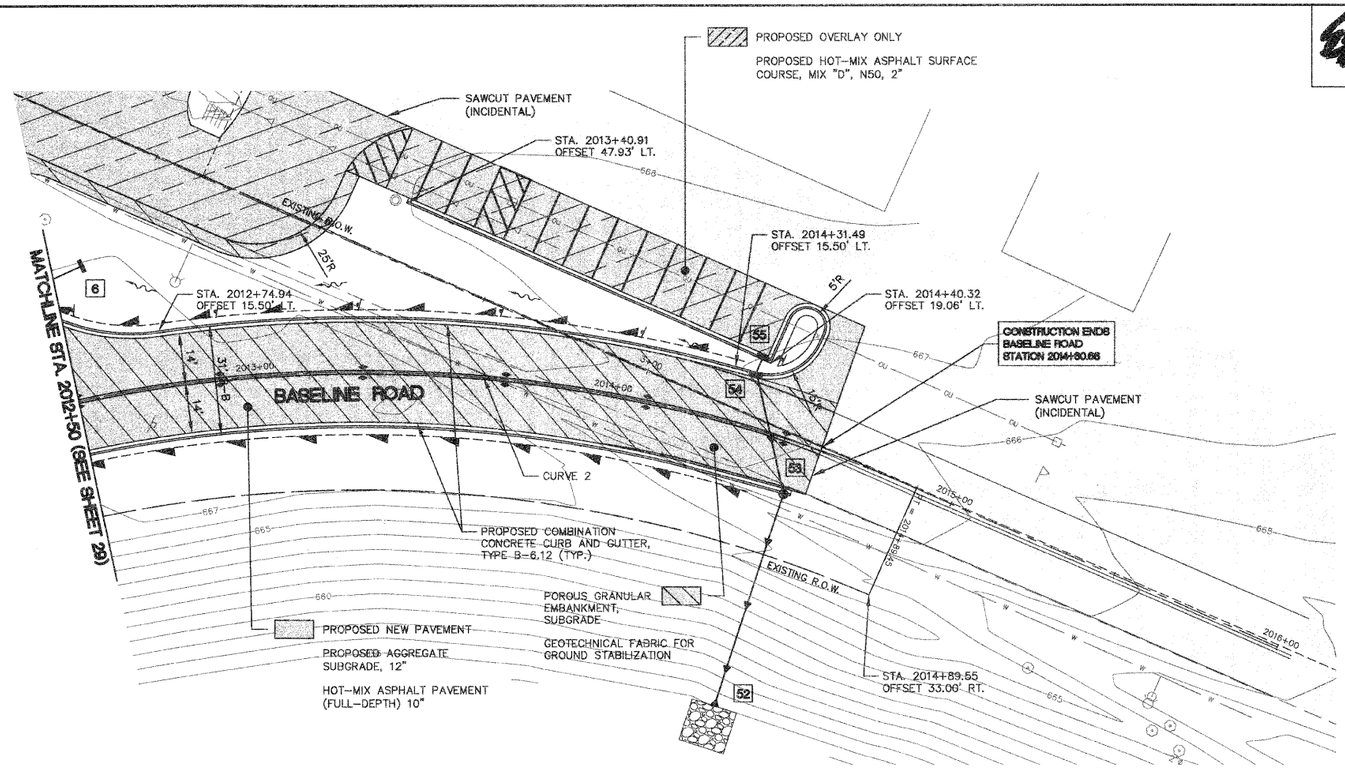
Plotted: June 26, 2009 @ 8:16 AM By: Kris Pung - Tab: 29 Baseline 22x34

Path: H:\SDOFROL\M007555\DWG\DWG FINAL ENG\M007555-PP

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	30
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / GRADES CHECKED / QUANTITIES CHECKED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE / CADD FILE NAME



NOTE:
WORK REQUIRED NORTH OF THE PRESCRIPTIVE R.O.W. AS NECESSARY TO REALIGN BASELINE ROAD TO BE COMPLETED VIA TEMPORARY USE PERMIT.

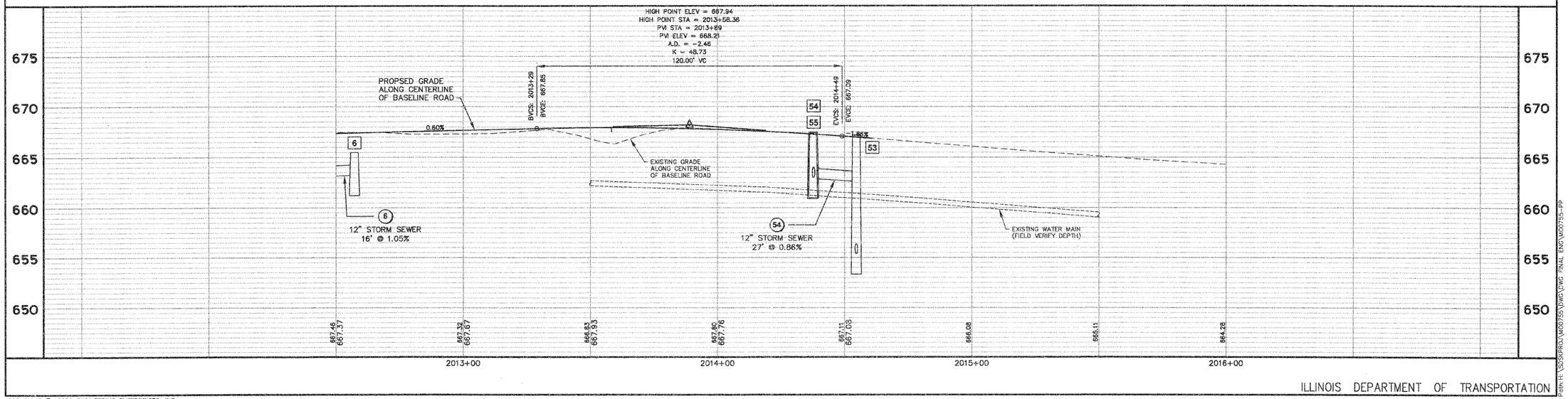
0 20' 40'
SCALE FEET

HORIZONTAL CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 2	609.67'	385.00'	90°43'51"	389.94'	14°88'20"	N.C.	2008+79.78	2011+85.18	2014+89.45

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD - PLAN + PROFILE - STA. 2012+50 TO STA. 2016+00

Plotted: June 26, 2009 @ 9:17 AM By: Kris Pung — Tab: 30 Baseline 22x34

Path: H:\SDSKPROJ\M007550\DWG\DWG FINAL ENG\M007755-PP

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	31
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN

BY	DATE
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
ROAD FILE NAME	

NOTE BOOK
NO.

PROPOSED OVERLAY ONLY

PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"

BASELINE EXTENSION STA. 2050+83.45
EXISTISTING BASELINE ROAD STA. 0+00

STA. 2050+42.39
OFFSET 15.10' LT.

4' PAVED SHOULDER

CONSTRUCTION BEGINS
BASELINE EXTENSION
STATION 2050+42.39

STA. 2050+42.87
OFFSET 15.66' RT.

CURVE 6

POROUS GRANULAR EMBANKMENT, SUBGRADE

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

STA. 2051+97.56
OFFSET 23.45' RT.

PROPOSED NEW PAVEMENT

PROPOSED AGGREGATE SUBGRADE, 12"

HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) 10"

STA. 2051+97.04
OFFSET 25.48' LT.

BASELINE EXTENSION

MATCHLINE (SEE SHEET 29)

SEE SHEET 56 FOR GRADES AT INTERSECTION

BASELINE ROAD STA. 2012+07
BASELINE EXTENSION STA. 2052+50

BASELINE ROAD

53.5'R
48.5'R
148.5'R
85°0'0"

0 20' 40'
SCALE FEET

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'

HORIZONTAL CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 6	92.15'	100.00'	52°47'55"	49.64'	57°29'58"	N.C.	2050+83.45	2051+29.53	2051+75.60

PROFILE

BY	DATE
SURVEYED	
PLOTTED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHKD	

NOTE BOOK
NO.

HIGH POINT ELEV = 668.38
HIGH POINT STA = 2051+25.48
PVI STA = 2051+45
PVI ELEV = 668.50
A.D. = -2.86
K = 20.98
60.00' VC

BVCS: 2051+15
BVCE: 668.35
EVCS: 2051+75
EVCE: 667.79

PVI STA = 2050+75
PVI ELEV = 668.15

PVI STA = 2052+25
PVI ELEV = 666.61

EXISTING GRADE ALONG CENTERLINE OF BASELINE EXTENSION

PROPSED GRADE ALONG CENTERLINE OF BASELINE EXTENSION

-0.15% 0.50% -2.36% 2.00%

680 675 670 665 660 655

868.23
668.19 668.19
668.15 668.27
668.28 668.23
666.85 667.20
667.21 667.11

5 12" STORM SEWER 32' @ 0.71%

3 12" STORM SEWER 45' @ 1.22%

4 12" STORM SEWER 68' @ 1.11%

2050+00 2051+00 2052+00

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE EXTENSION - PLAN + PROFILE - STA. 2050+00 TO STA. 2052+500

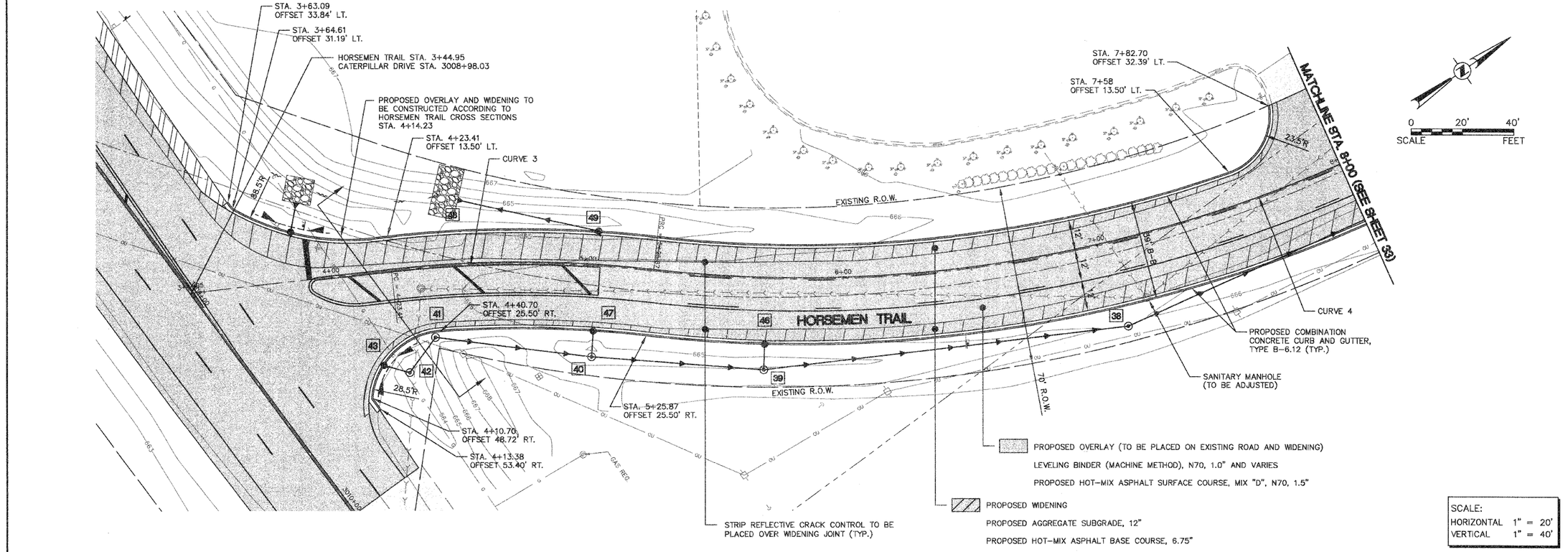
CONTRACT NO. 63207

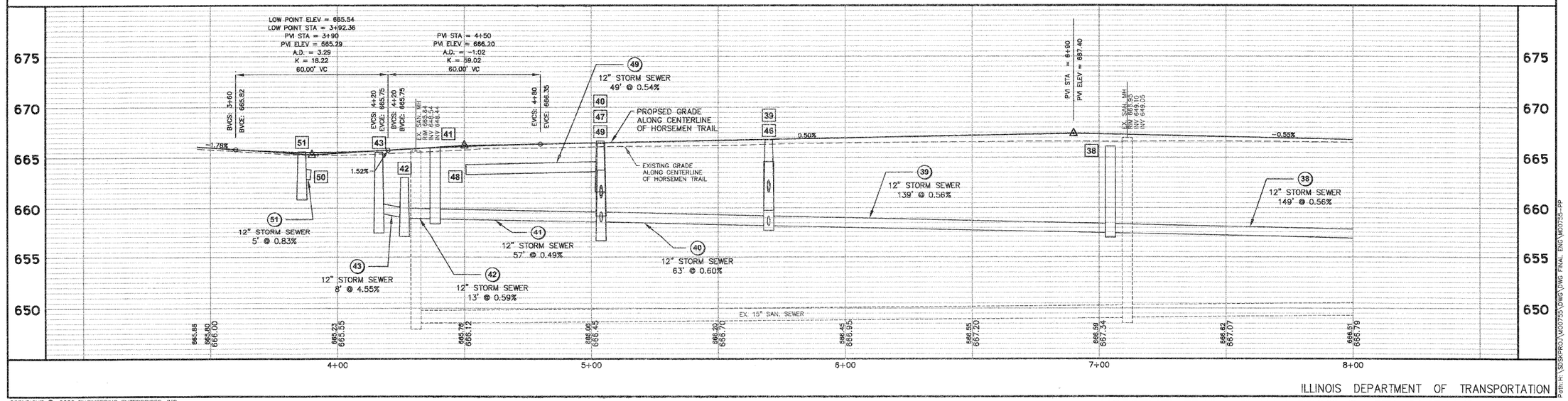
Engineering Enterprises, Inc.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	32
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

HORIZONTAL CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 3	102.45'	456.00'	12°52'23"	51.44'	12°56'48"	N.C.	4+23.41	4+74.64	5+25.87
CURVE 4	389.60'	514.90'	43°21'11"	204.88'	11°12'75"	N.C.	5+25.87	7+20.91	9+15.47





PLAN — SURVEYED; PLOTTED; GRADES CHECKED; R.M. NOTED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; CADD FILE NAME; NOTE BOOK; NO. ____; BY; DATE

PROFILE — SURVEYED; PLOTTED; GRADES CHECKED; R.M. NOTED; STRUCTURE ADVANCE CHKD; NOTE BOOK; NO. ____; BY; DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL - PLAN + PROFILE - STA. 3+45.22 TO STA. 8+00

Plotted: June 25, 2009 @ 9:22 AM By: Kris Pung - Tab: 32 Horsemen 22x34

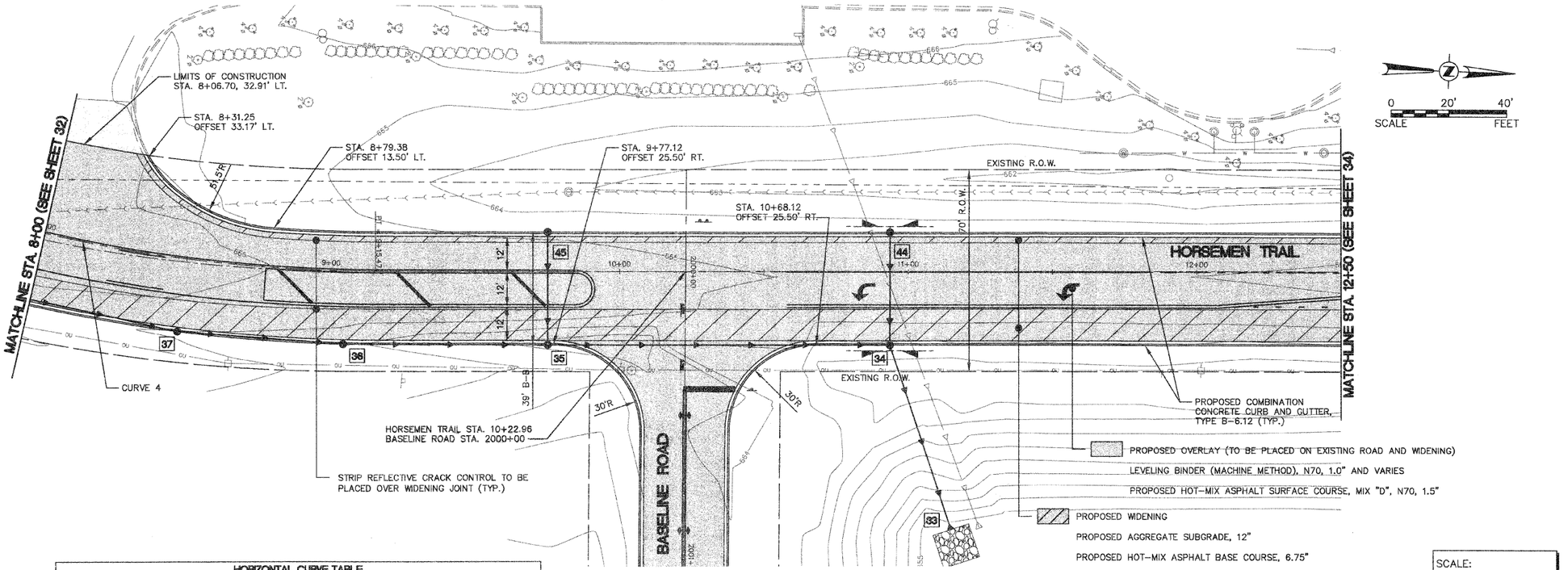
Path: N:\SDSPROJ\M00755\DWG\DWG FINAL ENG\M00755-PP

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	33
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

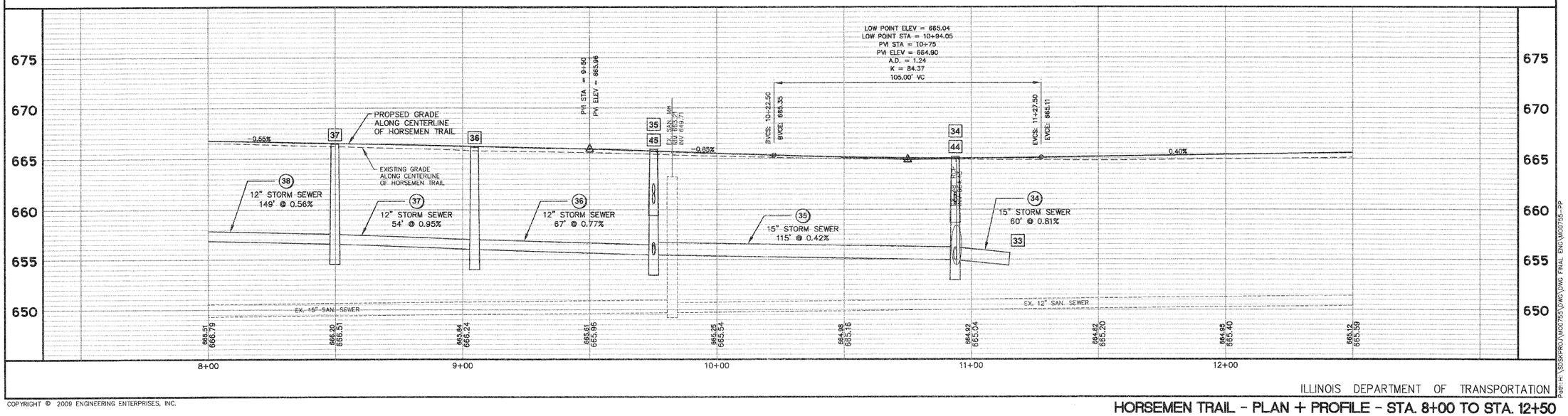
PLAN — SURVEYED | DRAWN | TRACED | QUANTITIES CHECKED | ALIGNMENT CHECKED | R.P. OF R/W CHECKED | ROAD FILE NAME | NOTE BOOK | NO. | BY | DATE



HORIZONTAL CURVE TABLE									
CURVE	LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 4	389.60'	514.90'	43°21'11"	204.66'	11°12'75"	N.C.	5+25.87	7+20.91	9+15.47

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'

PROFILE — SURVEYED | DRAWN | TRACED | QUANTITIES CHECKED | B.M. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO. | BY | DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL - PLAN + PROFILE - STA. 8+00 TO STA. 12+50

Plotted: June 26, 2009 @ 9:22 AM By: Kris Pung - Tab: 33 Horsemen 22x34

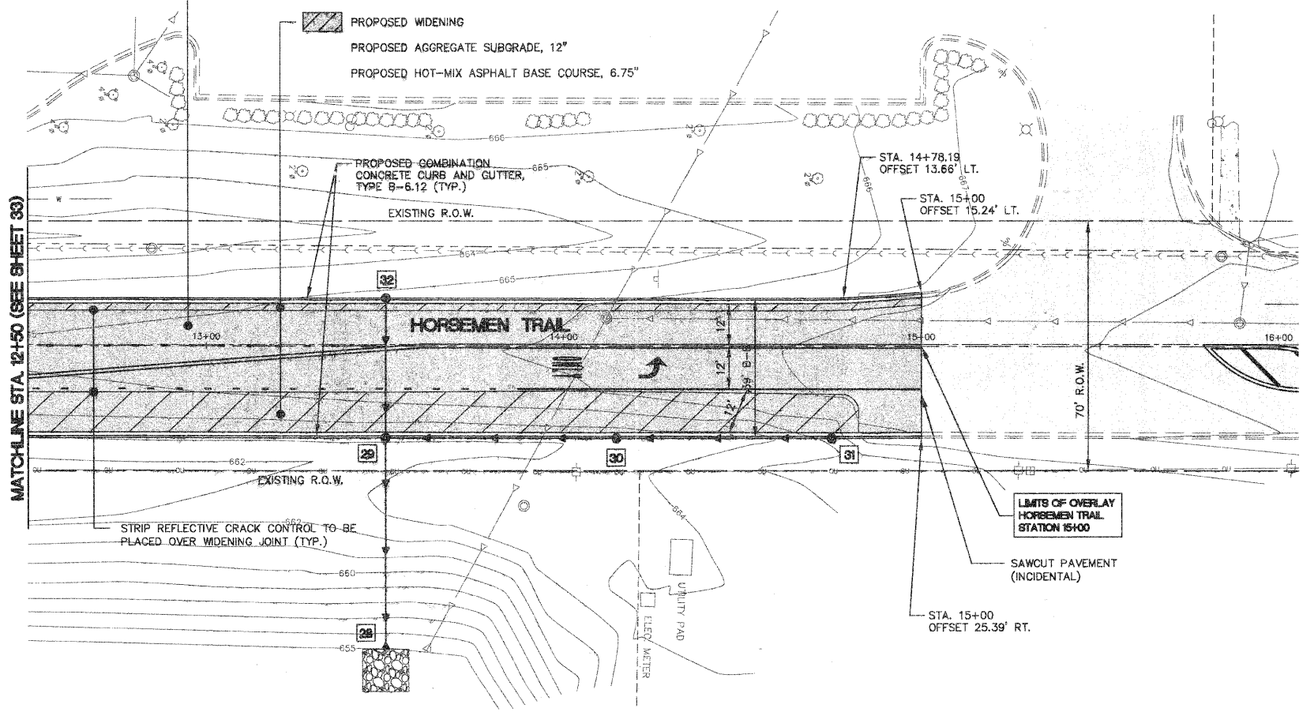
Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-PP

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	34
	STA.		TO STA.		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PROPOSED OVERLAY (TO BE PLACED ON EXISTING ROAD AND WIDENING)
LEVELING BINDER (MACHINE METHOD), N70, 1.0" AND VARIES
PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"

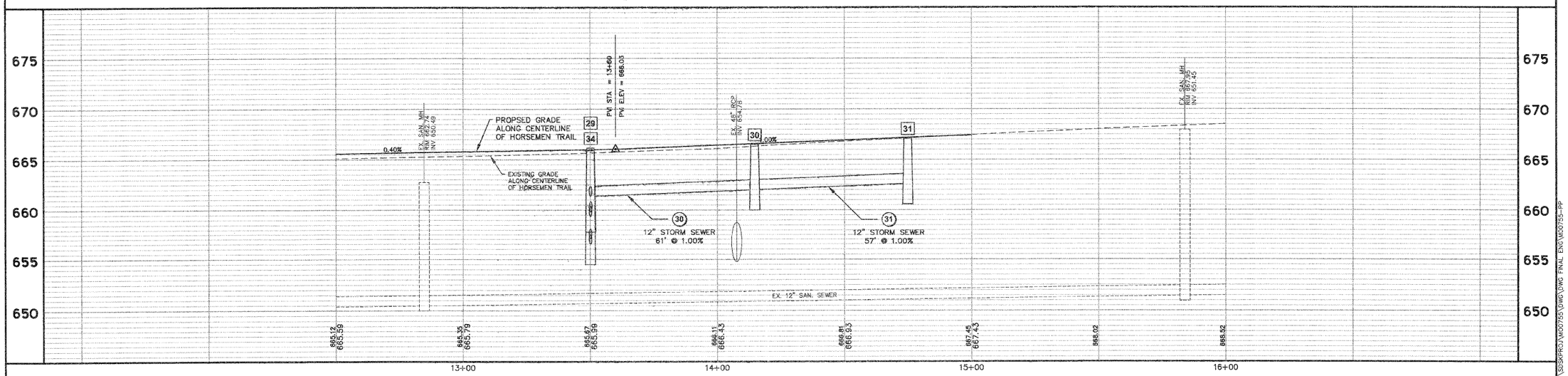
PROPOSED WIDENING
PROPOSED AGGREGATE SUBGRADE, 12"
PROPOSED HOT-MIX ASPHALT BASE COURSE, 6.75"



0 20' 40'
SCALE FEET

NOTE:
SEE STRIPING AND SIGNAGE PLAN FOR CONTINUATION OF CONSTRUCTION LIMITS.

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'



ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL - PLAN + PROFILE - STA. 12+50 TO STA. 16+00

PLAN
SURVEYED BY
DRAWN BY
ALIGNMENT CHECKED
RT. OF W'Y CHECKED
ROAD FILE NAME
NOTE BOOK
NO.
DATE

PROFILE
SURVEYED BY
DRAWN BY
GRADES CHECKED
B.M. NOTED
STRUCTURE NO'S/ITNS CHKD
NOTE BOOK
NO.
DATE

Plotted: June 26, 2009 @ 9:23 AM By: Kris Pung - Tab: 34 Horsemen 22x34

Path: H:\SDSKPROJ\M007755\DWG\DWG FINAL ENG\M007755-PP

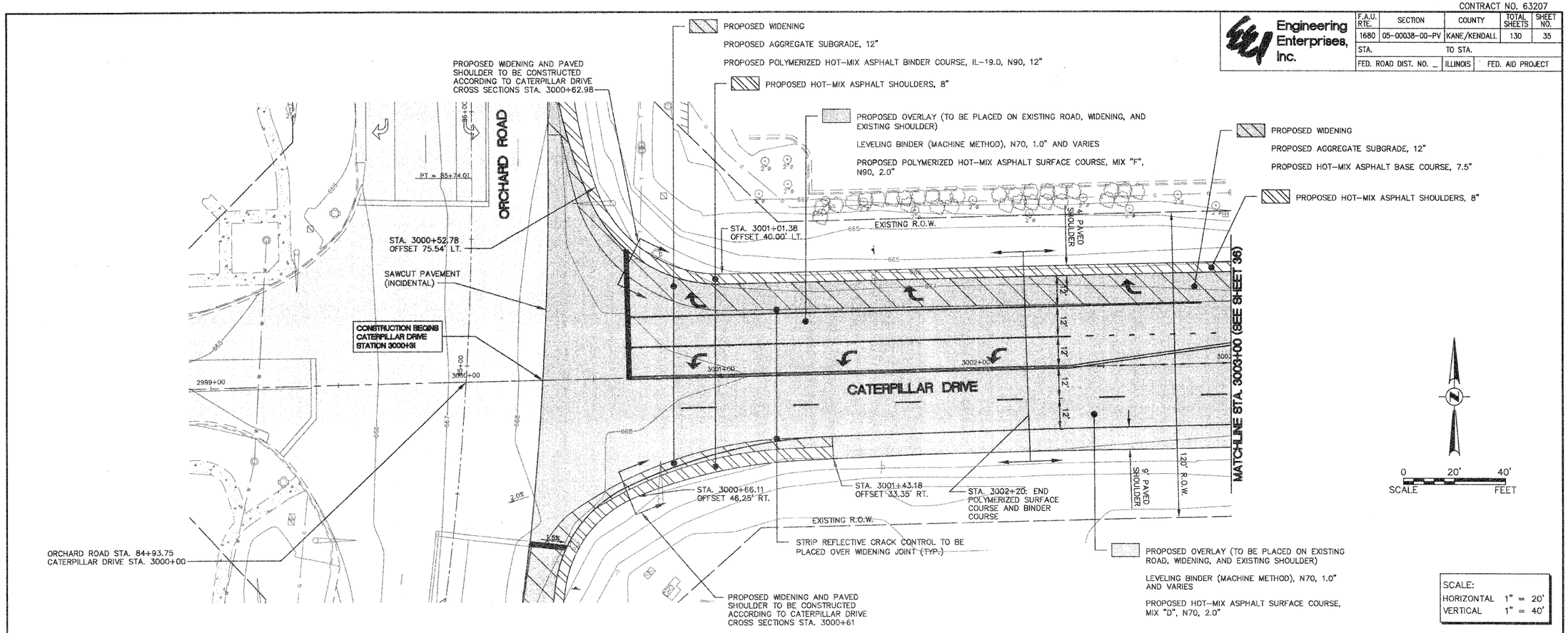
CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	35
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF W'Y CHECKED / ADD'D FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / B.M. NOTED / STRUCTURE NO'S/ATN'S CK'KD / NOTE BOOK NO. / BY / DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE - PLAN + PROFILE - STA. 2999+00 TO STA. 3003+00

Plotted: July 13, 2009 @ 9:34 AM By: Kris Pung - Tab: 35 Caterpillar 22x34

Path: H:\SIGPROJ\W00755\DWG\DWG FINAL ENG\W00755-PP

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	36
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PROPOSED WIDENING (TYP.)

PROPOSED AGGREGATE SUBGRADE, 12"

PROPOSED HOT-MIX ASPHALT BASE COURSE, 7.5"

PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"

LIMITS OF CONSTRUCTION
STA. 3005+58.72, 60' LT.

STA. 3005+31.52
OFFSET 60.00' LT.

STA. 3005+87.52
OFFSET 60.00' LT.

STA. 3005+86+44
OFFSET 56.73' LT.

STA. 3005+21.49
OFFSET 45.82' LT.

STA. 3006+09.15
OFFSET 42.88' LT.

STA. 3005+05.95
OFFSET 41.56' LT.

WALMART ACCESS

EXISTING R.O.W.

4' PAVED SHOULDER

8' PAVED SHOULDER

8.5'R

10'R

40'R

CATERPILLAR DRIVE

MATCHLINE STA. 3003+00 (SEE SHEET 35)

MATCHLINE STA. 3007+50 (SEE SHEET 37)

120' R.O.W.

24'

12'

PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (TYP.)

VARIES

3004+00

3005+00

3006+00

3007+00

CATERPILLAR DRIVE STA. 3005+65
PRIVATE ACCESS STA. 10+00

CATERPILLAR DRIVE STA. 3005+59.34
COMMERCIAL ACCESS STA. 10+00

663.40

STA. 3005+50
OFFSET 60.00' RT.

653.20
INV.

661.93
INV.

CANNONBALL TRAIL

665.00
G

662

STRIP REFLECTIVE CRACK CONTROL TO BE PLACED OVER WIDENING JOINT (TYP.)

STRIP REFLECTIVE CRACK CONTROL TO BE PLACED OVER WIDENING JOINT (TYP.)

PROPOSED OVERLAY (TO BE PLACED ON EXISTING ROAD, WIDENING, AND EXISTING SHOULDER)

LEVELING BINDER (MACHINE METHOD), N70, 1.0" AND VARIES

PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2.0"

0 20' 40'
SCALE FEET

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'

PLAN
SURVEYED BY
DRAWN BY
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
SUBMITTED
DATE

PROFILE
SURVEYED BY
DRAWN BY
GRADES CHECKED
S.M. NOTED
NO. PREVIOUS NO. TAKING OVER
DATE

675
670
665
660
655
650

PVI STA = 3004+41.01
PVI ELEV = 667.36

PVI STA = 3005+25
PVI ELEV = 667.28

PVI STA = 3006+34.46
PVI ELEV = 666.74

EX. STORM F.E.S. INV. 667.77

EX. STORM MH RIM 667.68 INV 662.21

EX. STORM F.E.S. INV. 667.85

EX. 36" XXX INV. 661.81

-0.10%

-0.49%

-0.75%

EXISTING GRADE ALONG CENTERLINE OF CATERPILLAR DRIVE

PROPOSED GRADE ALONG CENTERLINE OF CATERPILLAR DRIVE

PROPOSED NORTH DITCH LINE

EX. 12" STORM SEWER

EX. 18" STORM SEWER

STA. 3004+98.88
ELEV. 662.72

667.84 667.80
667.54 667.66
667.41 667.54
667.18 667.35
666.98 667.30
666.82 667.16
666.70 666.91
666.56 666.69
666.45 666.58
666.33 666.45

3003+00 3004+00 3005+00 3006+00 3007+00

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE - PLAN + PROFILE - STA. 3003+00 TO STA. 3007+50

Plotted: June 26, 2009 @ 8:12 AM By: Kris Pung — Tab: 36 Caterpillar 22x34

Path: H:\3DSKPROJ\WO0755\DWG\DWG FINAL ENG\WO0755-PP

CONTRACT NO. 63207

Engineering Enterprises, Inc.

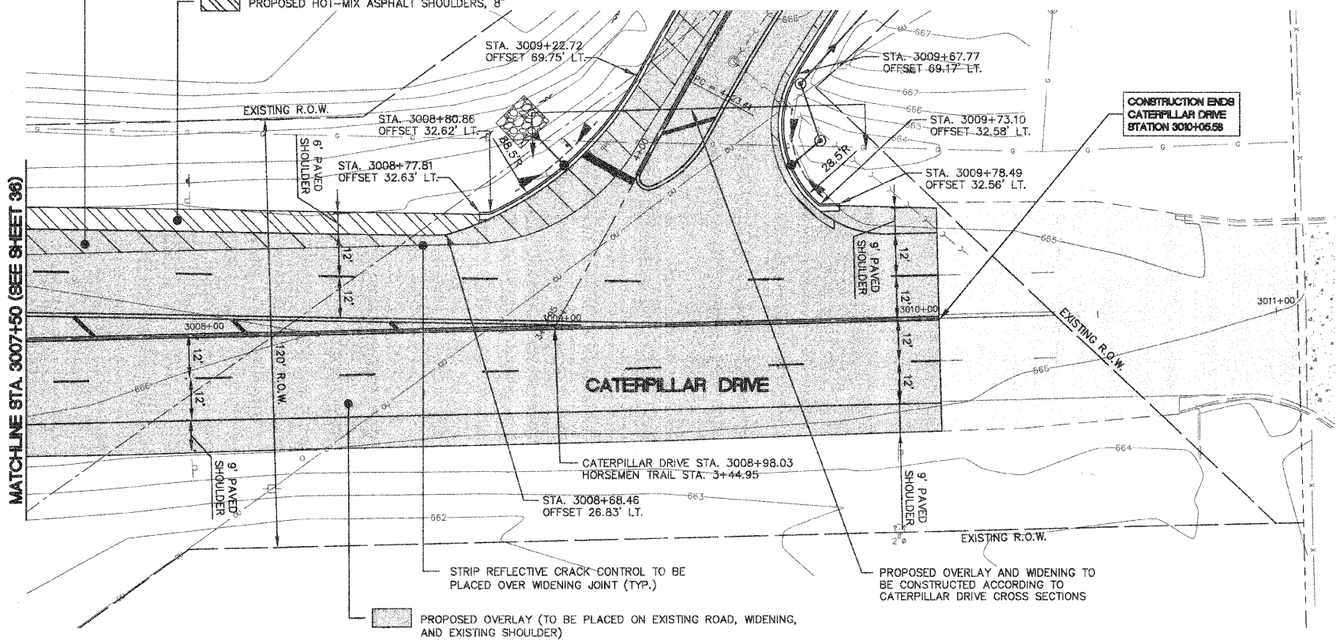
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	37
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PROPOSED WIDENING

PROPOSED AGGREGATE SUBGRADE, 12"

PROPOSED HOT-MIX ASPHALT BASE COURSE, 7.5"

PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"



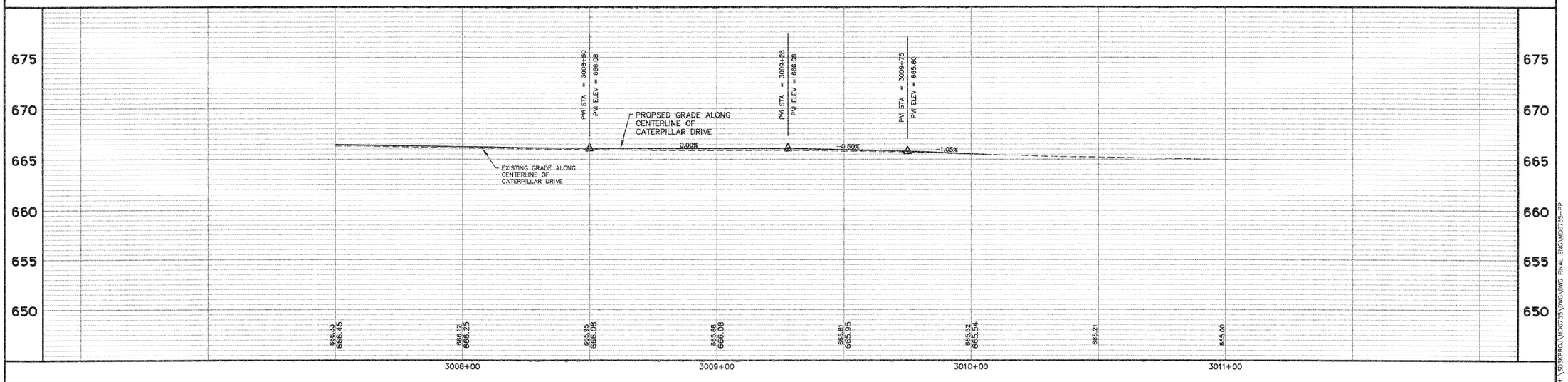
PROPOSED OVERLAY (TO BE PLACED ON EXISTING ROAD, WIDENING, AND EXISTING SHOULDER)

LEVELING BINDER (MACHINE METHOD), N70, 1.0" AND VARIES

PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2.0"

0 20' 40'
SCALE FEET

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'



ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE - PLAN + PROFILE - STA. 3007+50 TO STA. 3011+00

PLAN	BY	DATE
SURVEYED		
DRAWN		
ALIGNMENT CHECKED		
PT. OF VIS. CHECKED		
NOTE BOOK		
NO.		
DGN FILE NAME		

PROFILE	BY	DATE
SURVEYED		
DRAWN		
GRADES CHECKED		
B.M. NOTED		
NOTE BOOK		
NO.		
STRUCTURE NOTATION CHKD		

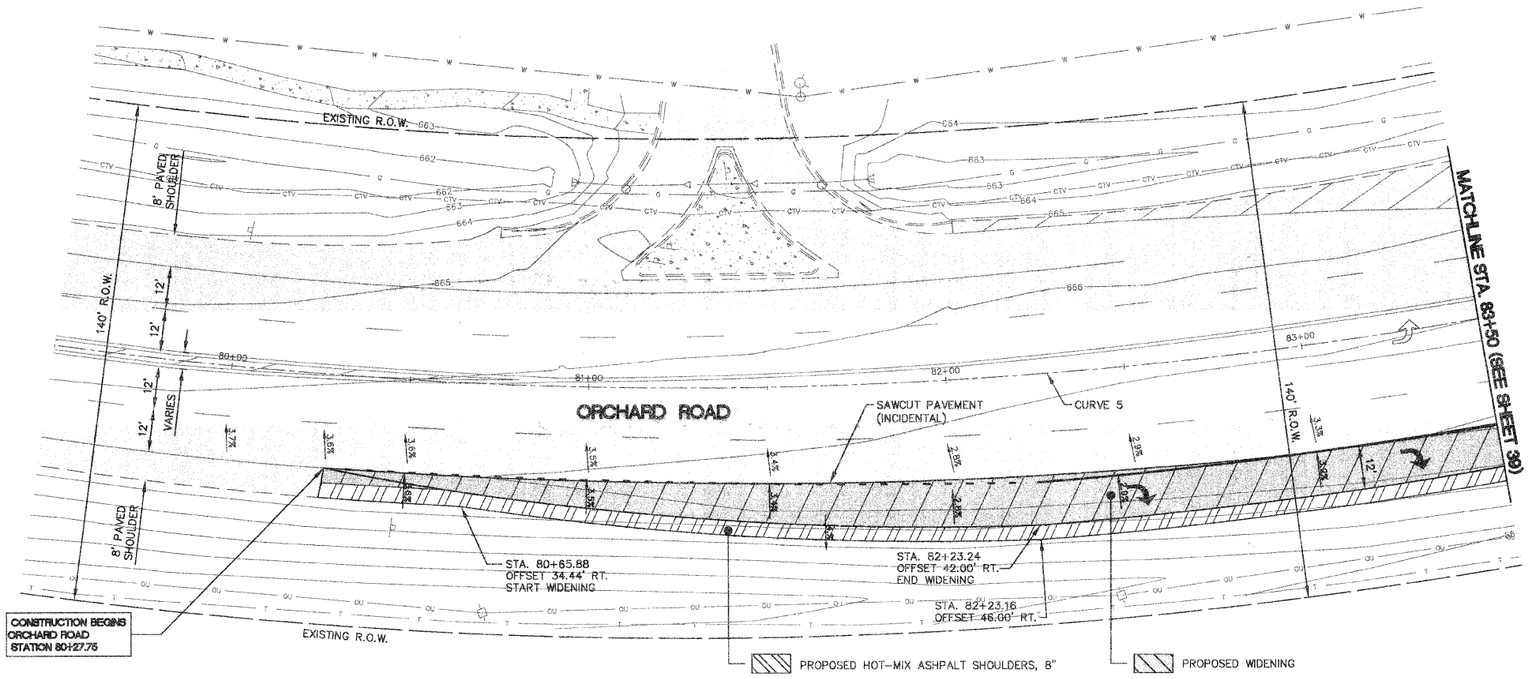
Plotted: June 26, 2009 @ 8:12 AM By: Kris Pung - Tdn: 37 Caterpillar 22x34

Path: H:\3DSKPROJ\M007755\MICU\DWG FINAL: ENGVM007755-PP

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	38
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN — SURVEYED | DRAWN | ALIGNMENT CHECKED | RT. OF WAY CHECKED | ROAD FILE NAME | NOTE BOOK | NO._____ | BY | DATE



0 20' 40'
SCALE FEET

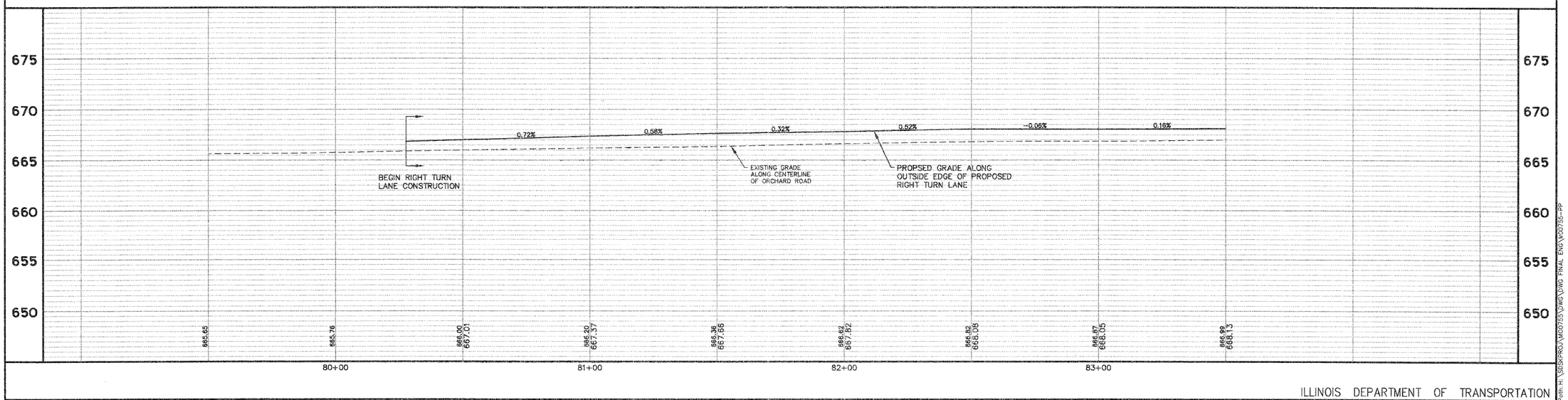
SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'

HORIZONTAL CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 5	1199.03'	1274.00'	53°55'27"	647.24'	04°29'50"	*SEE NOTE	73+76	80+25	85+13

* TRANSITION RIGHT TURN LANE SUPERELEVATION FROM STA. 83+00 TO STA. 84+33

PROFILE — SURVEYED | DRAWN | GRADES CHECKED | B.M. NOTED | STRUCTURE NO(S)/ING OKD | NOTE BOOK | NO._____ | BY | DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD - PLAN + PROFILE - STA. 79+50 TO STA. 83+50

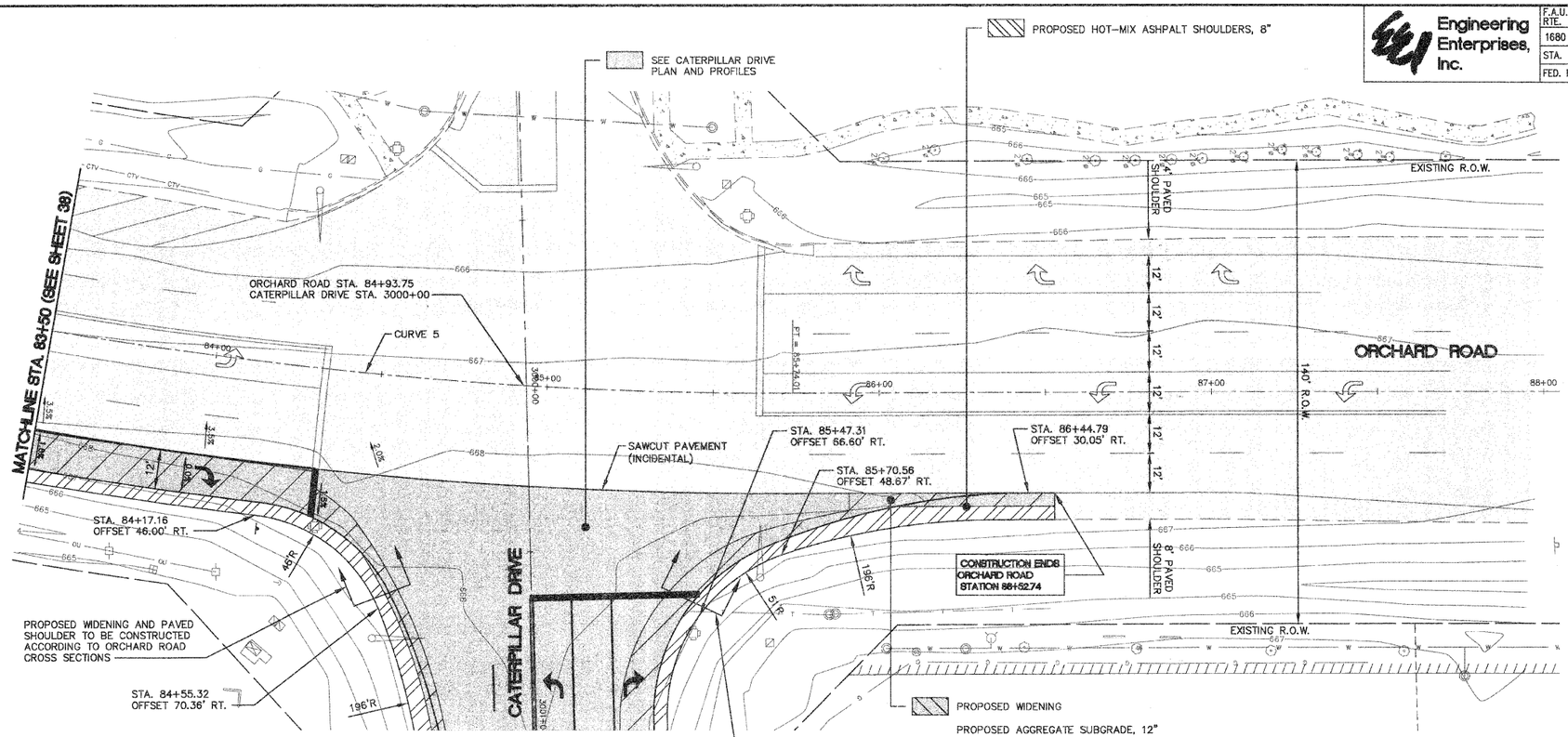
Plotted: July 13, 2009 @ 9:35 AM By: Kris Pung - Tab: 38 Orchard 22x34

Path: H:\SBSKPROJ\M007551\DWG\DWG FINAL ENG\M007551-PP

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	39
	STA.		TO STA.		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN | SURVEYED | DRAWN | ALIGNMENT CHECKED | RT. OF WAY CHECKED | FLOOD FILE NAME | NOTE BOOK | NO. | BY | DATE



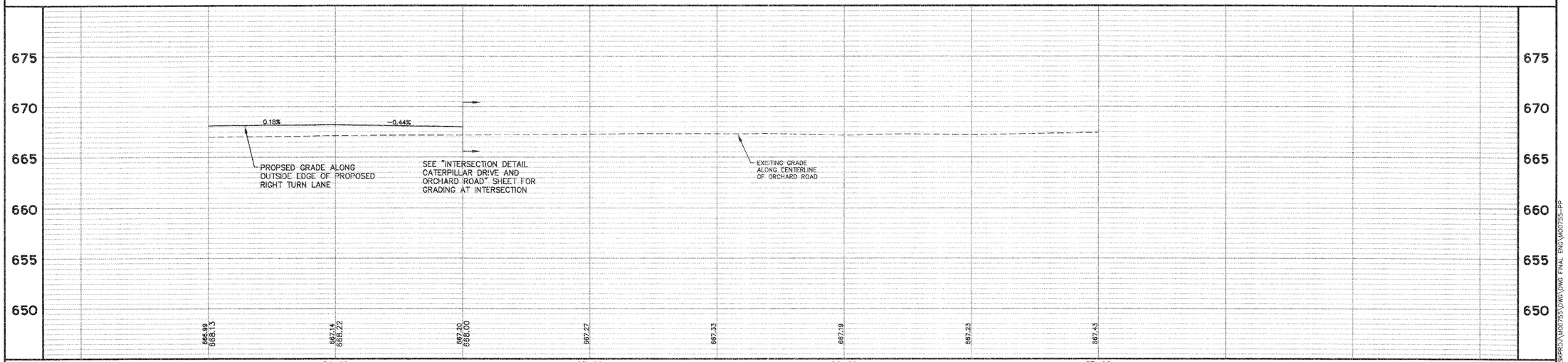
HORIZONTAL CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
CURVE 5	1199.03'	1274.00'	53°55'27"	647.24'	04°29'50"	*SEE NOTE	73+76	80+25	85+13

* TRANSITION RIGHT TURN LANE SUPERELEVATION FROM STA. 83+00 TO STA. 84+33

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'

PROFILE | SURVEYED | DRAWN | GRADES CHECKED | FINAL NOTED | STRUCTURE NO(S)/FNS CK'D | NOTE BOOK | NO. | BY | DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD - PLAN + PROFILE - STA. 83+50 TO STA. 87+00

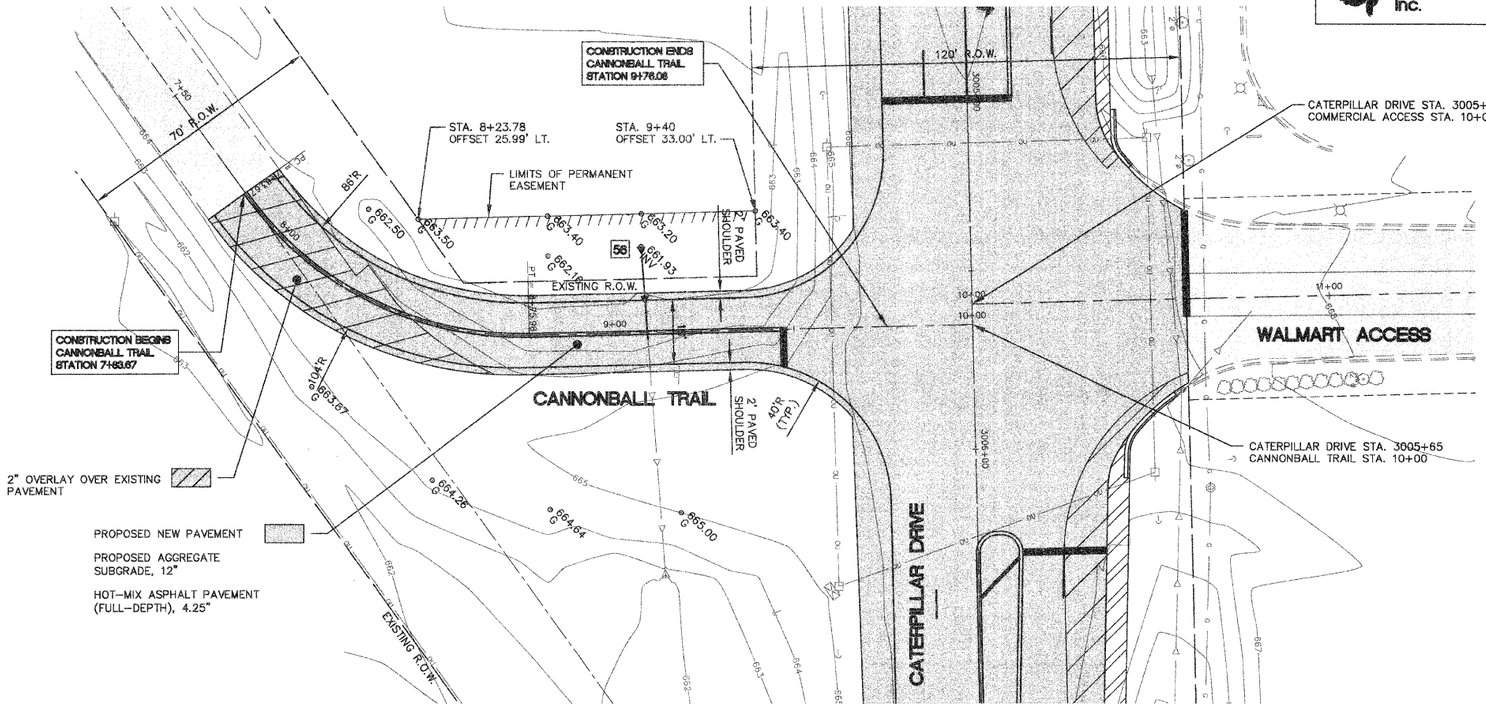
Plotted: July 13, 2009 @ 9:36 AM By: Kris Pung - Tab: 39 Orchard 22x34

Path: N:\SIS\PROJ\M007555\DWG\DWG FINAL ENG\M007555-PP

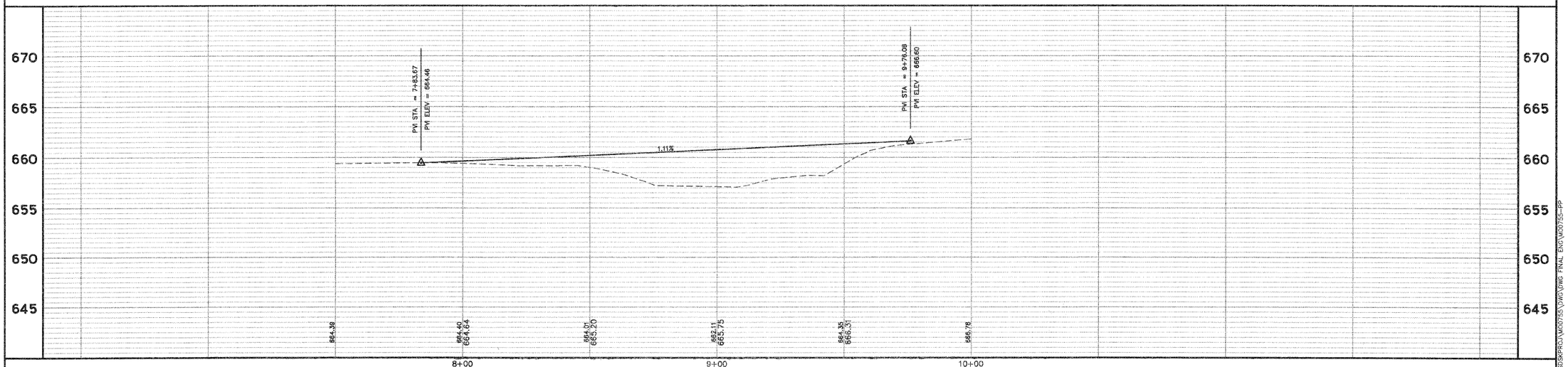
CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	40
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURVEYED		
DRAWN		
ALIGNMENT CHECKED		
RT.-OF-WAY CHECKED		
NOTE BOOK		
NO.		
CADD FILE NAME		



SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 40'



PROFILE	BY	DATE
SURVEYED		
DRAWN		
GRADES CHECKED		
B.M. NOTED		
NOTE BOOK	STRUCTURE NO'S/ATN'S CHKD	
NO.		

ILLINOIS DEPARTMENT OF TRANSPORTATION

CANNONBALL TRAIL - PLAN + PROFILE - STA. 7+50 TO STA. 10+00

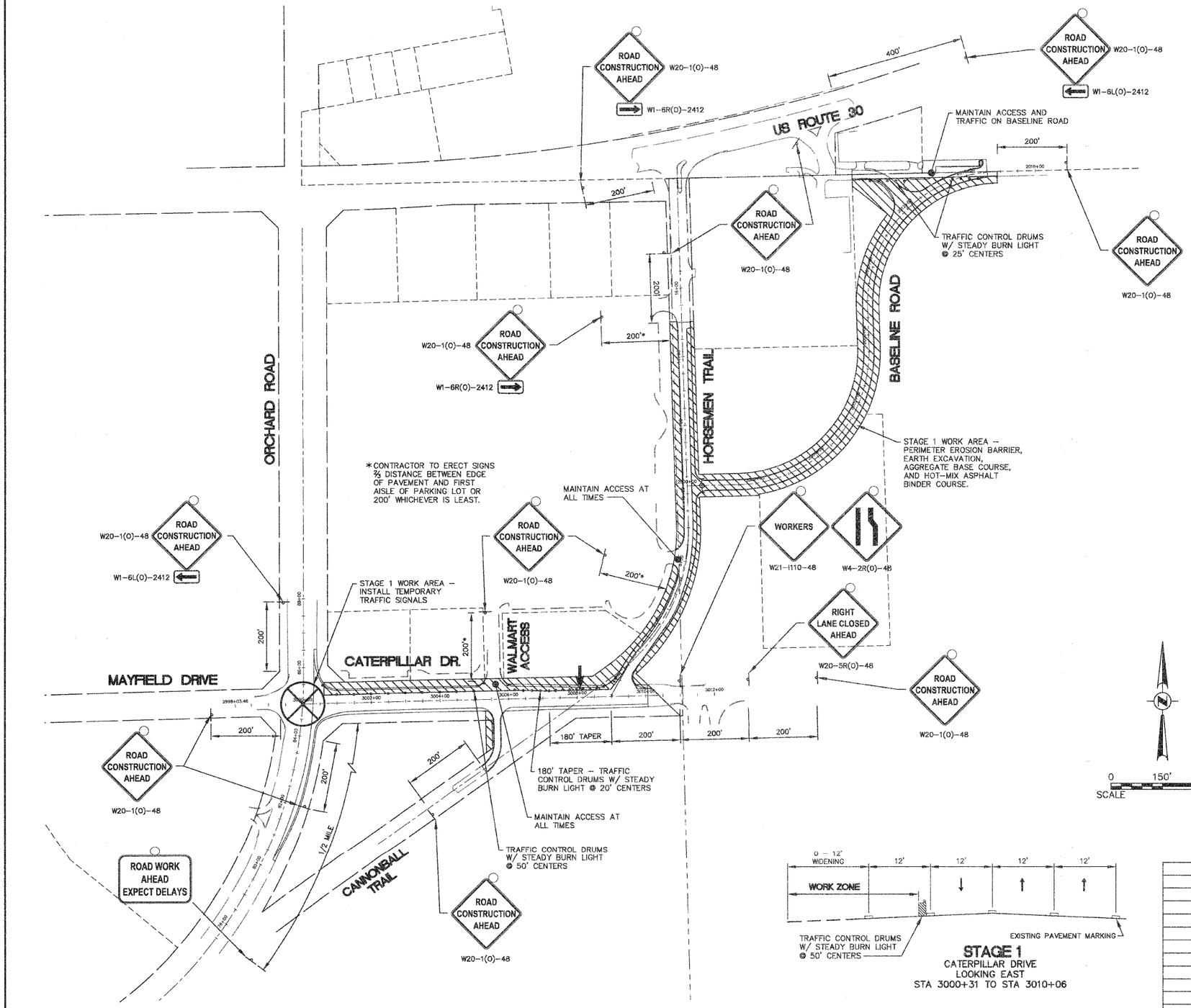
Plotted: June 26, 2009 @ 9:46 AM By: Kris Pung - Tab: 40 Cannonball 22x34

Path: H:\SDSKPROJ\M007555\DWG\DWG FINAL ENG\M007555-PP

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	41
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN / PROFILE — SURVEYED / DRAWN / ALIGNMENT CHECKED / GRADES CHECKED / R.M. NOTED / PRINTOUT NOTATNS CHKD / RT. OF W.Y. CHECKED / PROP. FILE NAME / NOTE BOOK / NO. / BY / DATE



STAGING AND TRAFFIC CONTROL - STAGE 1

1. INSTALLATION OF ALL PERIMETER EROSION BARRIER.
2. ALL STORM SEWER TO BE INSTALLED EXCEPT FOR STORM STRUCTURES 52 , 53, 54 AND 55. AS NECESSARY, HIGHWAY STANDARD 701201 SHALL BE UTILIZED.
3. CONTRACTOR TO COMPLETE ALL EARTHWORK AND PLACEMENT OF AGGREGATE SUBGRADE, COMBINATION CONCRETE CURB AND GUTTER, AND HOT-MIX ASPHALT BINDER COURSE FOR THE RE-ALIGNED PORTION OF BASELINE ROAD. NO CONSTRUCTION SHALL TAKE PLACE ON THE EXISTING BASELINE ROAD AT THIS TIME. TRAFFIC CONTROL DRUMS SHALL BE USED TO THE SOUTH OF THE EXISTING BASELINE ROAD. TYPE 3 BARRICADES SHALL BE USED AT THE INTERSECTION OF HORSEMEN TRAIL AND BASELINE ROAD TO PREVENT THE USAGE OF THE RE-ALIGNED BASELINE ROAD. ALL OTHER SIGNAGE TO BE INSTALLED PER THE TRAFFIC CONTROL STANDARDS.
4. CONTRACTOR TO COMPLETE ALL PAVEMENT REMOVAL, EARTHWORK AND PLACEMENT OF AGGREGATE SUBGRADE, COMBINATION CONCRETE CURB AND GUTTER, AND HOT-MIX ASPHALT BINDER COURSE FOR THE WIDENING OF HORSEMEN TRAIL. HORSEMEN TRAIL SHALL REMAIN OPEN TO TRAFFIC BY USING VERTICAL BARRICADES WITH MONODIRECTIONAL STEADY BURN LIGHTS, 25' ON CENTER. ALL OTHER SIGNAGE TO BE INSTALLED PER THE TRAFFIC CONTROL STANDARDS.
5. CONTRACTOR TO COMPLETE ALL SHOULDER REMOVAL, EARTHWORK AND PLACEMENT OF AGGREGATE SUBGRADE, AND HOT-MIX ASPHALT BINDER COURSE FOR CATERPILLAR DRIVE. THE NORTHERN LANE OF CATERPILLAR DRIVE SHALL BE CLOSED ACCORDING TO TRAFFIC CONTROL STANDARD 701601.
6. CONTRACTOR TO COMPLETE ALL PAVEMENT REMOVAL, EARTHWORK AND PLACEMENT OF AGGREGATE SUBGRADE, AND HOT-MIX ASPHALT BINDER COURSE FOR CANNONBALL TRAIL. ALL OTHER SIGNAGE TO BE INSTALLED PER THE TRAFFIC CONTROL STANDARDS.
7. CONTRACTOR TO INSTALL TEMPORARY SIGNALS AT ORCHARD ROAD AND CATERPILLAR DRIVE INTERSECTION.
8. "WORKERS" SIGN SHALL ONLY BE DISPLAYED WHEN WORKERS ARE PRESENT.

- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD
- CHANGEABLE MESSAGE BOARD

0 150' 300'
SCALE FEET

STAGE 1
CATERPILLAR DRIVE
LOOKING EAST
STA 3000+31 TO STA 3010+06

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGING AND TRAFFIC CONTROL PLAN

SCALE: DRAWN BY: KKP
DATE: 03-26-09 CHECKED BY: TVW

Plotted: June 26, 2009 @ 11:36 AM By: Kris Pung - Tab: 41 Stage 1 22x34

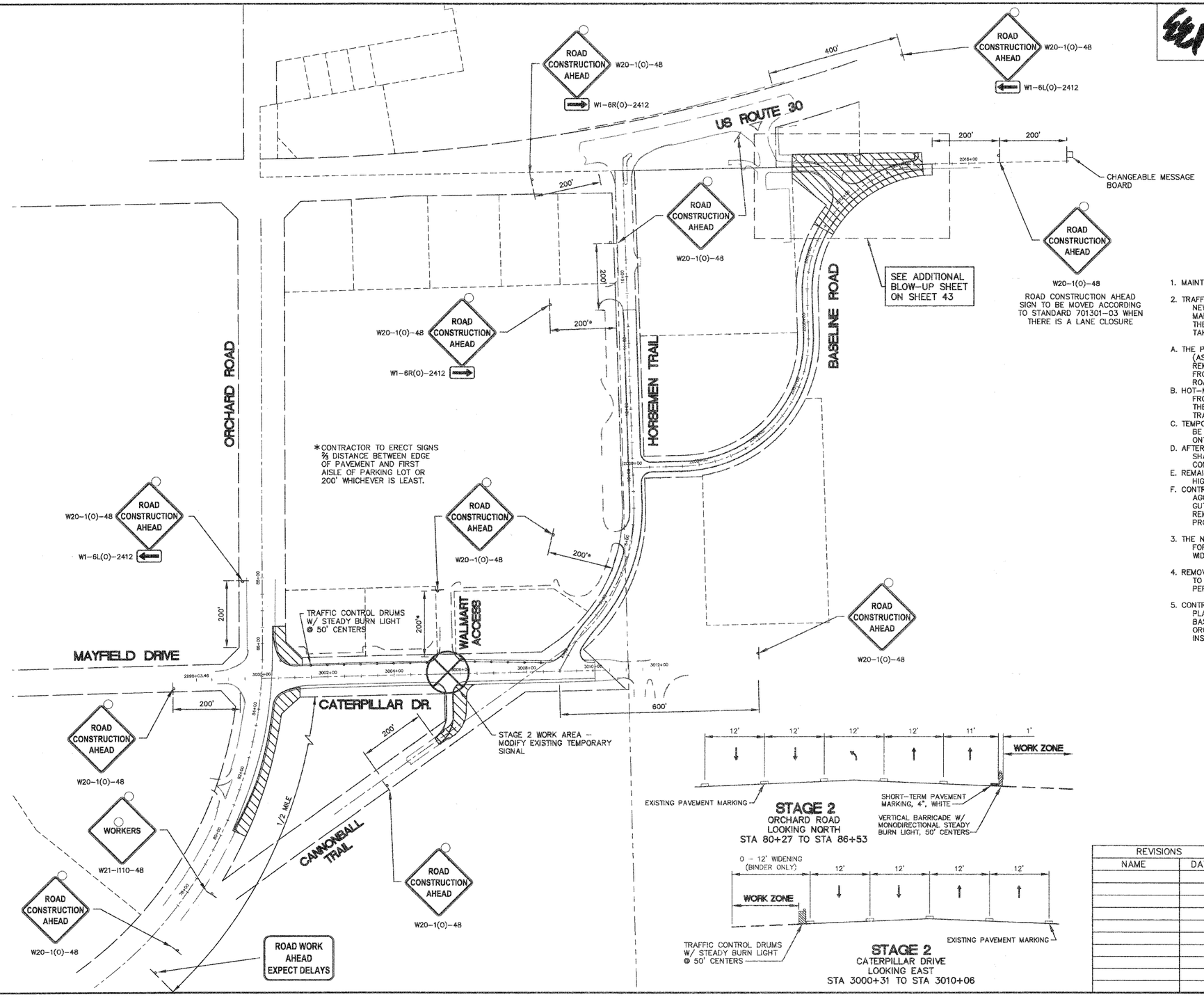
Path: H:\SDSKPROJ\M007555\DWG\DWG FINAL ENG\M007555-TRAF CONTROL

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	42
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURVEYED		
DRAWN		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NOTE BOOK		
NO.		
ADD R.E. NAME		

PROFILE	BY	DATE
SURVEYED		
DRAWN		
GRADES CHECKED		
NOTE BOOK		
B.M. NOTED		
NO.		
STRUCTURE NO(FAI)(S) (SFN)(D		



STAGING AND TRAFFIC CONTROL - STAGE 2

1. MAINTENANCE OF PERIMETER EROSION BARRIER (ON-GOING).
2. TRAFFIC ON THE EXISTING BASELINE ROAD SHALL BE ROUTED TO THE NEWLY COMPLETED RE-ALIGNED BASELINE ROAD. IN ORDER TO MAINTAIN ACCESS TO ALL THE BUSINESS ON BASELINE ROAD AND THE RIGHT-IN-RIGHT-OUT TO US ROUTE 30, THE FOLLOWING SHALL TAKE PLACE:
   - A. THE PATCH ON BASELINE ROAD FROM STA 2013+45 TO STA 2014+37 (AS SHOWN ON THE BASELINE ROAD EXISTING CONDITIONS AND REMOVAL PLAN) SHALL BE CONSTRUCTED TO TRANSITION THE GRADE FROM THE EXISTING BASELINE ROAD TO THE RE-ALIGNED BASELINE ROAD. TRAFFIC CONTROL STANDARD 701301 SHALL BE USED.
   - B. HOT-MIX ASPHALT SURFACE REMOVAL SHALL BE USED AS NECESSARY FROM STA 2050+84 TO THE EAST TO TRANSITION THE GRADE FROM THE EXISTING BASELINE ROAD TO THE RE-ALIGNED BASELINE ROAD. TRAFFIC CONTROL STANDARD 701301 SHALL BE USED.
   - C. TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DRUMS SHALL BE PLACED AS SHOWN ON THE PLANS. TRAFFIC SHALL BE ROUTED ONTO THE RE-ALIGNED BASELINE ROAD.
   - D. AFTER THE TRAFFIC PATTERN HAS BEEN CHANGED, THE PAVEMENT SHALL BE REMOVED AS SHOWN ON THE BASELINE ROAD EXISTING CONDITIONS AND REMOVAL PLAN.
   - E. REMAINING STORM SEWER WORK TO BE INSTALLED. AS NECESSARY, HIGHWAY STANDARD 701201-03 SHALL BE UTILIZED.
   - F. CONTRACTOR TO COMPLETE ALL EARTHWORK, PLACEMENT OF AGGREGATE BASE COURSE, COMBINATION CONCRETE CURB AND GUTTER AND HOT-MIX ASPHALT BINDER COURSE FOR THE REMAINDER OF BASELINE ROAD AS SHOWN ON THE PLAN AND PROFILE.
3. THE NORTHERN LANE OF CATERPILLAR DRIVE SHALL BE RE-OPENED FOR TRAFFIC. TRAFFIC CONTROL DRUMS SHALL BE MOVED TO THE WIDENING PORTION OF THE ROADWAY.
4. REMOVE EXISTING PAVEMENT ON CANNONBALL TRAIL AND MOVE TRAFFIC TO BINDER COURSE. MODIFY TEMPORARY SIGNAL HEAD AND BEGIN PERMANENT SIGNAL INSTALLATION;
5. CONTRACTOR TO COMPLETE ALL SHOULDER REMOVAL, EARTHWORK AND PLACEMENT OF SUB-BASE GRANULAR MATERIAL, HOT-MIX ASPHALT BASE COURSE, AND HOT-MIX ASPHALT BINDER COURSE FOR ORCHARD ROAD. TRAFFIC CONTROL AND STRIPING SHALL BE INSTALLED PER THE TYPICAL SECTION SHOWN.

STAGE 2
ORCHARD ROAD
LOOKING NORTH
STA 80+27 TO STA 86+53

STAGE 2
CATERPILLAR DRIVE
LOOKING EAST
STA 3000+31 TO STA 3010+06

- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD
- CHANGEABLE MESSAGE BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGING AND TRAFFIC CONTROL PLAN

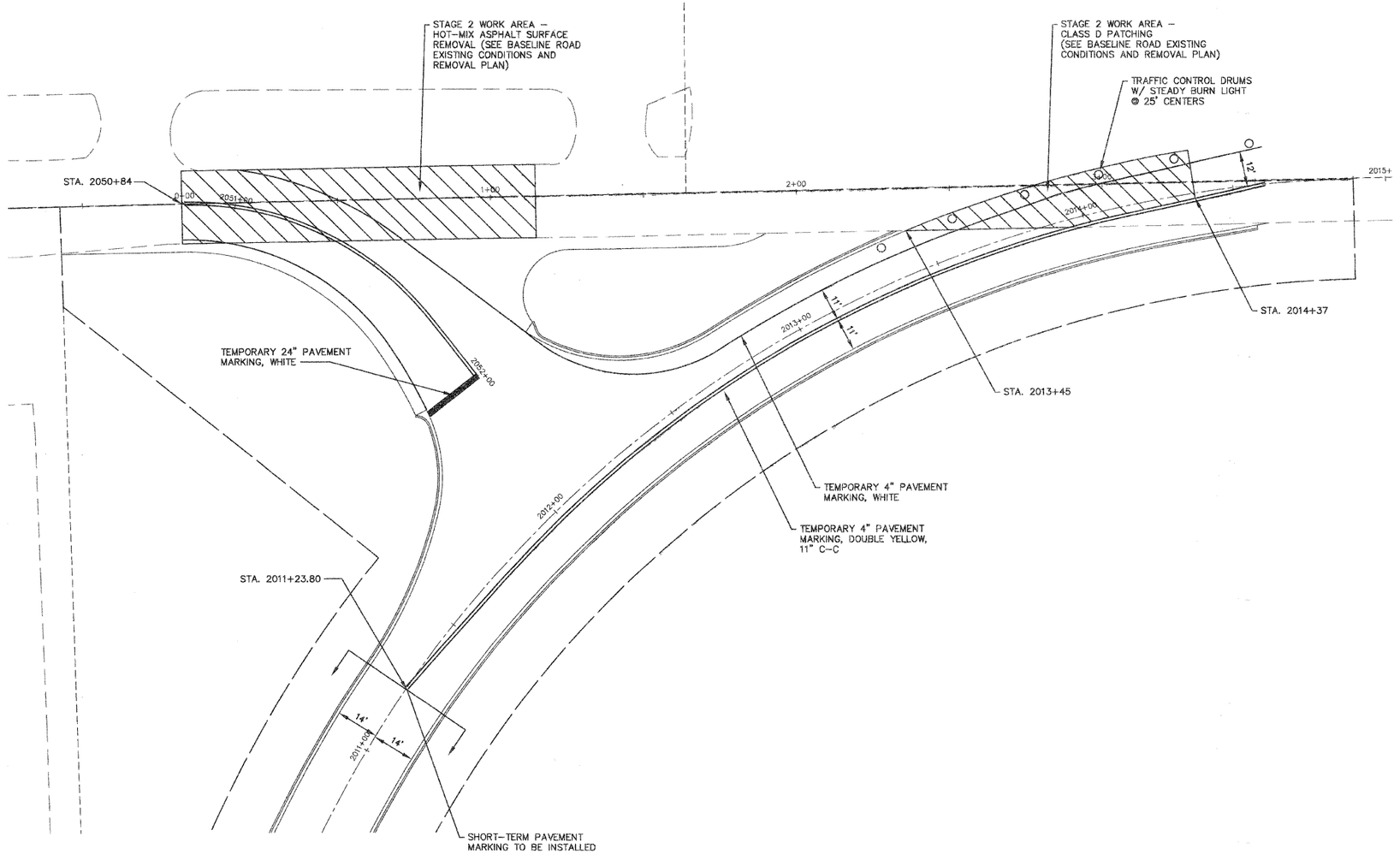
SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 25, 2009 @ 4:53 PM By: Kris Pung - Tab: 42 Stage 2 22x34

Path: H:\SDSKPROJ\M007755\WRK\DWG FINAL ENG\M007755-TRAF CONTROL

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	43
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



0 20' 40'
SCALE FEET

STAGING AND TRAFFIC CONTROL - STAGE 2

1. MAINTENANCE OF PERIMETER EROSION BARRIER (ON–GOING).
2. TRAFFIC ON THE EXISTING BASELINE ROAD SHALL BE ROUTED TO THE NEWLY COMPLETED RE–ALIGNED BASELINE ROAD. IN ORDER TO MAINTAIN ACCESS TO ALL THE BUSINESS ON BASELINE ROAD AND THE RIGHT–IN–RIGHT–OUT TO US ROUTE 30, THE FOLLOWING SHALL TAKE PLACE:

A. THE PATCH ON BASELINE ROAD FROM STA 2013+45 TO STA 2014+37 (AS SHOWN ON THE BASELINE ROAD EXISTING CONDITIONS AND REMOVAL PLAN) SHALL BE CONSTRUCTED TO TRANSITION THE GRADE FROM THE EXISTING BASELINE ROAD TO THE RE–ALIGNED BASELINE ROAD. TRAFFIC CONTROL STANDARD 701301 SHALL BE USED.
B. HOT–MIX ASPHALT SURFACE REMOVAL SHALL BE USED AS NECESSARY FROM STA 2050+84 TO THE EAST TO TRANSITION THE GRADE FROM THE EXISTING BASELINE ROAD TO THE RE–ALIGNED BASELINE ROAD. TRAFFIC CONTROL STANDARD 701301 SHALL BE USED.
C. TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DRUMS SHALL BE PLACED AS SHOWN ON THE PLANS. TRAFFIC SHALL BE ROUTED ONTO THE RE–ALIGNED BASELINE ROAD.
D. AFTER THE TRAFFIC PATTERN HAS BEEN CHANGED, THE PAVEMENT SHALL BE REMOVED AS SHOWN ON THE BASELINE ROAD EXISTING CONDITIONS AND REMOVAL PLAN.
E. REMAINING STORM SEWER WORK TO BE INSTALLED. AS NECESSARY, HIGHWAY STANDARD 701201–03 SHALL BE UTILIZED.
F. CONTRACTOR TO COMPLETE ALL EARTHWORK, PLACEMENT OF AGGREGATE BASE COURSE, COMBINATION CONCRETE CURB AND GUTTER AND HOT–MIX ASPHALT BINDER COURSE FOR THE REMAINDER OF BASELINE ROAD AS SHOWN ON THE PLAN AND PROFILE.

3. THE NORTHERN LANE OF CATERPILLAR DRIVE SHALL BE RE–OPENED FOR TRAFFIC. TRAFFIC CONTROL DRUMS SHALL BE MOVED TO THE WIDENING PORTION OF THE ROADWAY.
4. REMOVE EXISTING PAVEMENT ON CANNONBALL TRAIL AND MOVE TRAFFIC TO BINDER COURSE. MODIFY TEMPORARY SIGNAL HEAD AND BEGIN PERMANENT SIGNAL INSTALLATION;
5. CONTRACTOR TO COMPLETE ALL SHOULDER REMOVAL, EARTHWORK AND PLACEMENT OF SUB–BASE GRANULAR MATERIAL, HOT–MIX ASPHALT BASE COURSE, AND HOT–MIX ASPHALT BINDER COURSE FOR ORCHARD ROAD. TRAFFIC CONTROL AND STRIPING SHALL BE INSTALLED PER THE TYPICAL SECTION SHOWN.

- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD
- CHANGEABLE MESSAGE BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGING AND TRAFFIC CONTROL PLAN

SCALE: DRAWN BY: KKP
DATE: 03–26–09 CHECKED BY: TVW

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / GRADES CHECKED / NOTE BOOK / S.M. NOTED / NO. ____ / STRUCTURE NO(S).A.H.I.S. CK'KD / PLOT W.A. CHECKED / PLOT FILE NAME / BY / DATE

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / NOTE BOOK / S.M. NOTED / NO. ____ / STRUCTURE NO(S).A.H.I.S. CK'KD / BY / DATE

Plotted: June 25, 2009 @ 4:53 PM By: Kris Pung – Tab: 43 Stage 2A 22x34

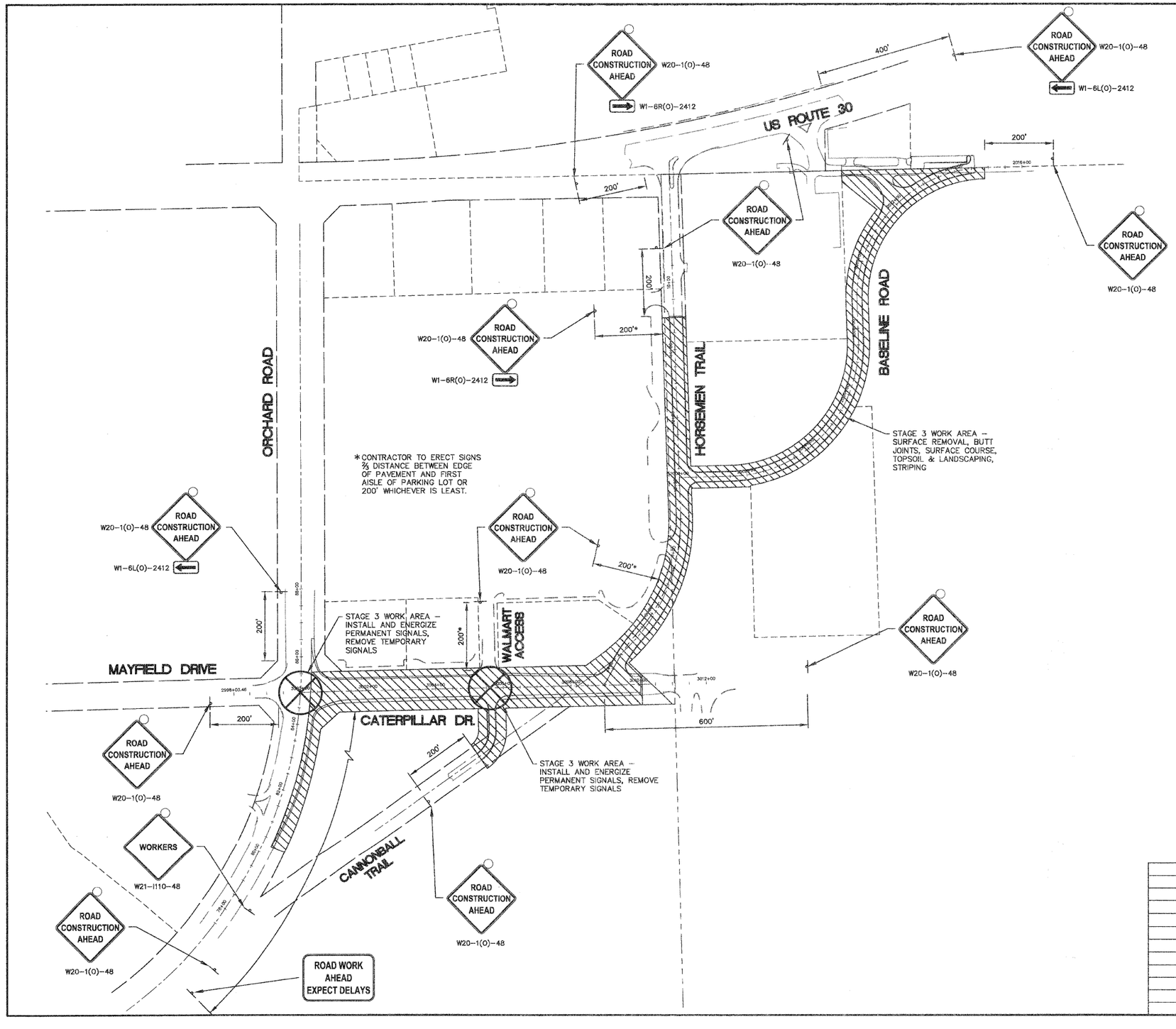
Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-TRAF CONTROL

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	44
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN | BY | DATE
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO. _____
ROAD FILE NAME

PROFILE | BY | DATE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NO(S)
STATIONS CHKD



0 150' 300'
SCALE FEET

STAGING AND TRAFFIC CONTROL - STAGE 3

1. FOR ALL PAVEMENT SECTIONS, COMPLETE THE REMAINING HOT-MIX ASPHALT SURFACE REMOVAL AND BUTT JOINTS AS SHOWN ON THE PLANS. UTILIZE TRAFFIC CONTROL STANDARD 701306.
2. PLACE LEVELING BINDER ON HORSEMEN TRAIL AND CATERPILLAR DRIVE, UTILIZING TRAFFIC CONTROL STANDARD 701306.
3. PLACE SURFACE COURSE ON ALL ROADWAYS (UTILIZING TRAFFIC CONTROL STANDARD 701306).
4. INSTALL PAVEMENT MARKINGS AND SIGNS ON ALL ROADWAYS, PER THE STRIPING AND SIGNING SECTION OF THE PLANS. TRAFFIC CONTROL STANDARD 701311 SHALL BE USED AS NECESSARY FOR THIS STAGE OF CONSTRUCTION.
5. COMPLETE VEGETATIVE RESTORATION AND TOPSOIL PLACEMENT ON ALL ROADWAYS. TRAFFIC CONTROL STANDARD 701101 AND 701326 SHALL BE UTILIZED FOR THIS STAGE OF CONSTRUCTION.
6. COMPLETE TRAFFIC SIGNAL INSTALLATION AT ORCHARD ROAD AND CATERPILLAR DRIVE AND CATERPILLAR DRIVE AT CANNONBALL TRAIL UPON RECEIPT OF MATERIAL CLEARANCE AND IDOT APPROVAL.
7. ENERGIZE LIGHTS AND REMOVE ALL TEMPORARY SIGNAL EQUIPMENT AT ORCHARD ROAD AND CATERPILLAR DRIVE AND CATERPILLAR DRIVE AT CANNONBALL TRAIL.

- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD
- CHANGEABLE MESSAGE BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGING AND TRAFFIC CONTROL PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

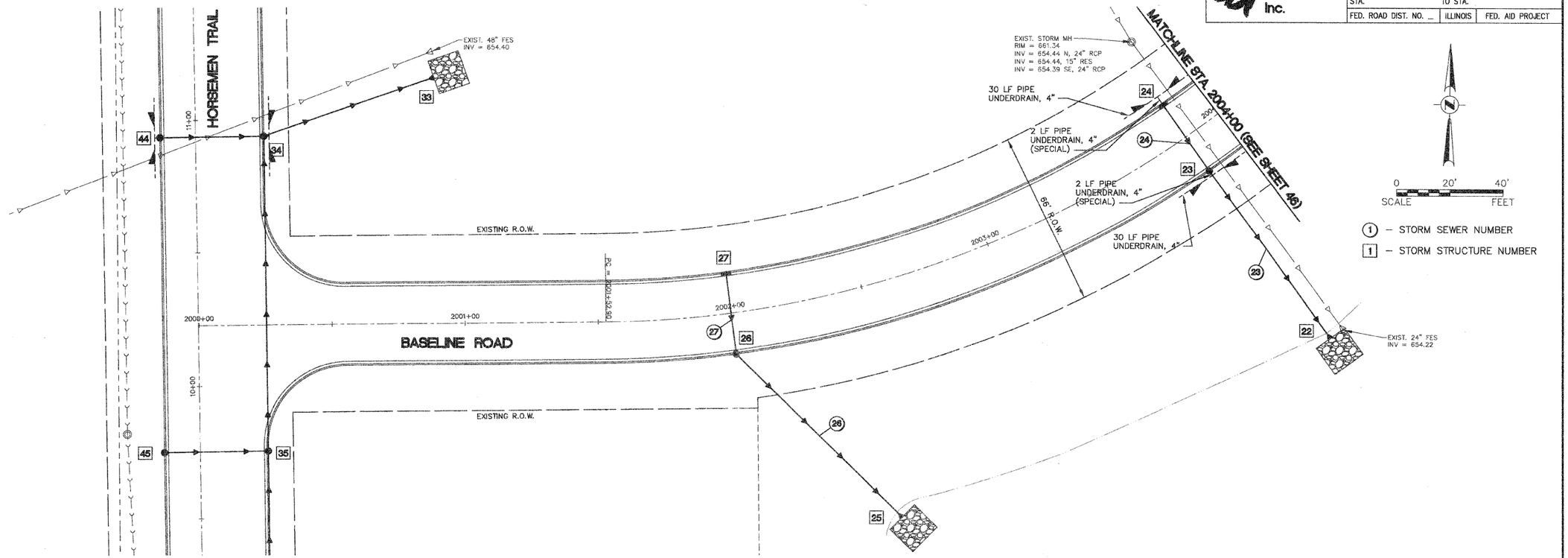
Plotted: June 25, 2009 @ 4:53 PM By: Kris Pung - Tab: 44 Stage 3 22x34

Path: H:\SDSKPROJ\MOD755\DWG\DWG FINAL ENG\MOD755-TRAF CONTROL

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	45
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



STORM SEWER STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY A TY 8 F&G	INLET TY A TY 11 F&G	INLET TY B TY 11 F&G	CB TY A 4' DIA TY 11 F&G	CB TY C 2' DIA TY 11 F&G	CB SPECIAL TY 11 F&G	MH TY A 4' DIA TY 1 FR&CL	MH TY A 4' DIA TY 8 GR	PRC FES 12"	PRC FES 15"	PRC FES 18"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS					T/C ELEV (RIM ELEV IF NO T/C)
															LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W	4" UNDER-DRAIN	
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH									
22	200385.0	93.1	RT									1			12	13	17.3					NW 654.60		N/A
23	200385.0	15.5	RT				1											657.75	656.00				S 660.00	662.50
24	200385.0	15.5	LT		1														658.00				N 660.00	662.50
25	200244.0	87.8	RT									1			12	13	17.3					NW 654.60		N/A
26	200200.0	15.5	RT				1											658.75	658.75					663.60
27	200200.0	15.5	LT		1														659.10					663.60

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 2 12" FOOT	SSRG CLA TY2 12" FOOT	SS CL A TY 2 15" FOOT	SS CL A TY 2 18" FOOT
23	22	23	12	69	1.82		69			
24	23	24	12	28	0.81	6.7	28			
26	25	26	12	80	4.72		80			
27	26	27	12	28	1.13	6.8	28			

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD STORM SEWER PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

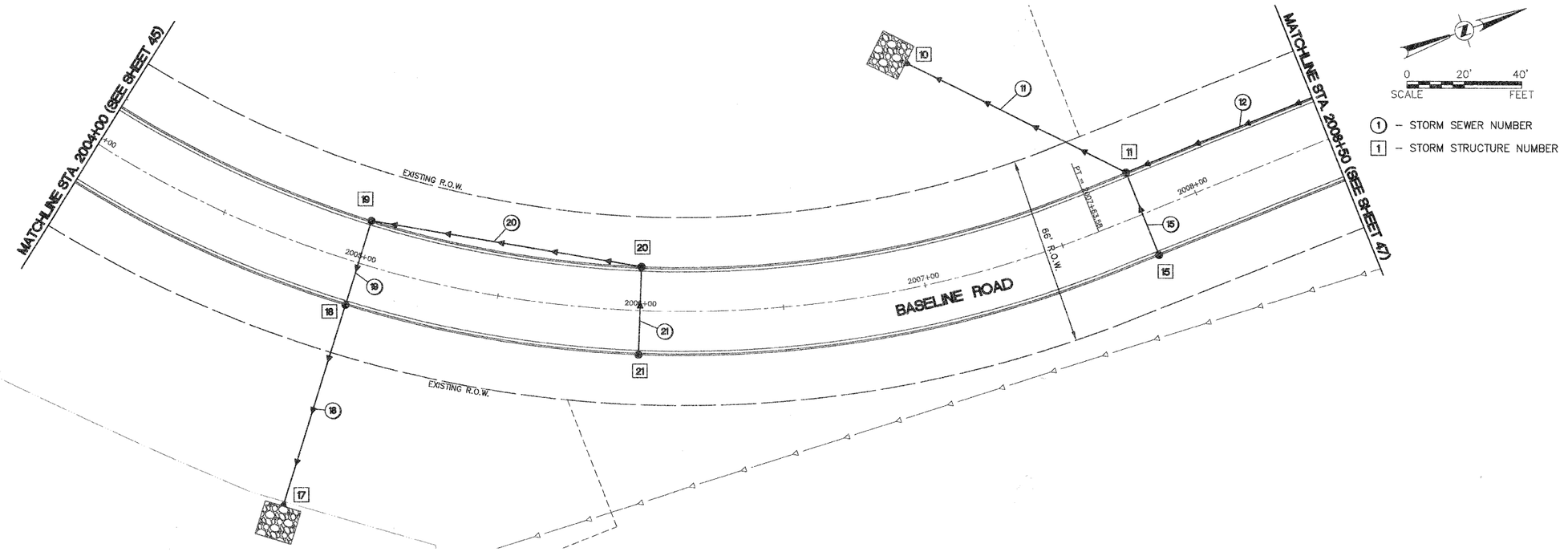
PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

Plotted: Jan 26, 2009 @ 7:51 AM By: Kris Pung – Tab: 45 Baseline 22x34

Path: H:\SSKPROJ\M000755\DWG\DWG FINAL ENG\M000755-STORM

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	46
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



STORM SEWER STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY A TY 8 F&G	INLET TY A TY 11 F&G	INLET TY B TY 11 F&G	CB TY A 4' DIA TY 11 F&G	CB TY C 2' DIA TY 11 F&G	CB SPECIAL TY 11 F&G	MH TY A 4' DIA TY 1 FR&CL	MH TY A 4' DIA TY 8 GR	PRC FES 12"	PRC FES 15"	PRC FES 18"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS						T/C ELEV (RIM ELEV IF NO T/C)
															LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W		4" UNDER-DRAIN	
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH								NE 654.40		N/A
10	200712.8	76.9	LT									1			12	13	17.3							
11	200780.0	15.5	LT				1											659.25		659.85		SW 657.00		664.65
15	200780.0	15.5	RT					1													660.15			664.65
17	200500.0	89.1	RT									1			12	13	17.3					NW 654.60		N/A
18	200500.0	15.5	RT				1													656.00	657.10			663.00
19	200500.0	15.5	LT				1											657.50		657.50				663.00
20	200600.0	15.5	LT				1												658.70	658.70				663.60
21	200600.0	15.5	RT					1													659.10			663.60

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 2 12" FOOT	SS/RG CLA TY2 12" FOOT	SS CL A TY 2 15" FOOT	SS CL A TY 2 18" FOOT
11	10	11	12	78	3.02		78			
12	11	12	12	91	0.95	81.7	91			
15	11	15	12	28	0.97	7.4	28			
18	17	18	12	66	1.89		66			
19	18	19	12	27	1.29	26.5	27			
20	19	20	12	92	1.25	28.8	92			
21	20	21	12	28	1.29	7.3	28			

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD STORM SEWER PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN: SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE: SURVEYED / DRAWN / GRADES CHECKED / B.M. NOTED / STRUCTURE NO'S/MILS CH'KD / NOTE BOOK / NO. / BY / DATE

Plotted: June 26, 2009 @ 7:51 AM By: Kris Pung - Tab: 46 Baseline 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-STORM

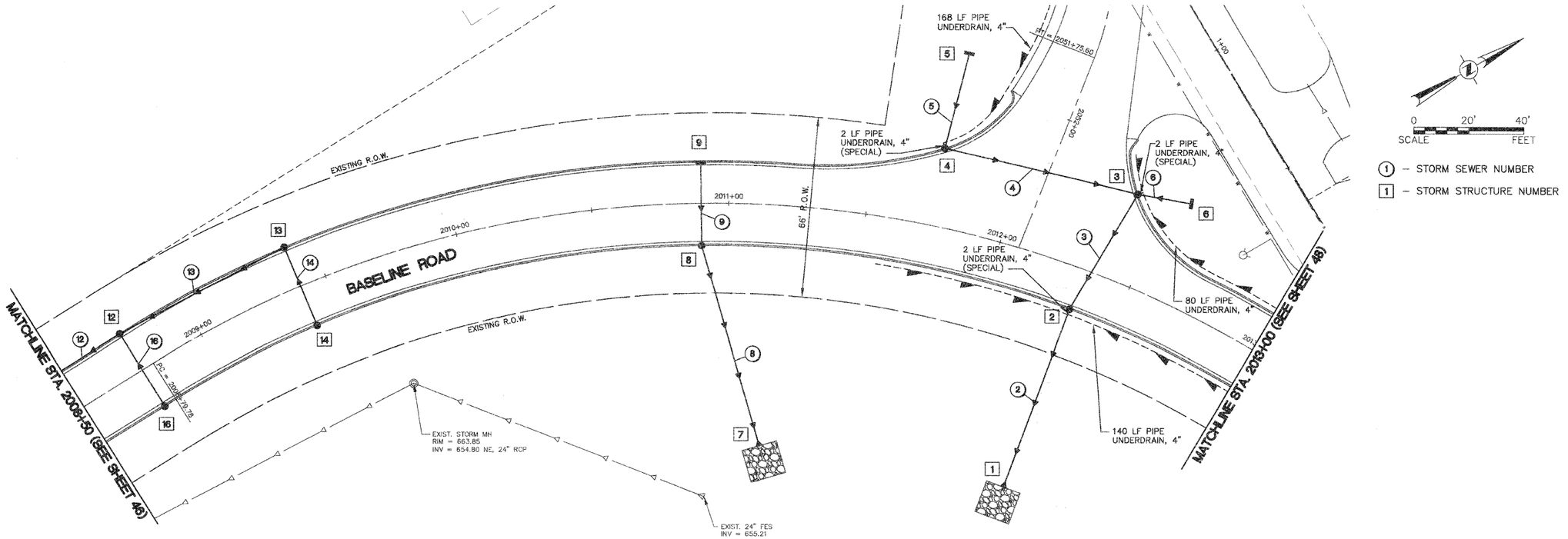
CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	47
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CAD FILE NAME / NOTE BOOK / NO. — BY / DATE

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / S.I.M. NOTED / STRUCTURE NO/TAXING DIST/ID — BY / DATE



STORM SEWER STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY A TY 8 F&G	INLET TY A TY 11 F&G	INLET TY B TY 11 F&G	CB TY A 4' DIA TY 11 F&G	CB TY C 2' DIA TY 11 F&G	CB SPECIAL TY 11 F&G	MH TY A 4' DIA TY 1 FR&CL	MH TY A 4' DIA TY 8 GR	PRC FES 12"	PRC FES 15"	PRC FES 18"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS					4" UNDER-DRAIN	T/C ELEV (RIM ELEV IF NO T/C)
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W			
1	201232.4	84.6	RT									1			12	13	17.3					NW 655.25		N/A
2	201232.3	15.5	RT				1											660.75	658.00					S 663.90	667.40
3	201240.1	33.3	LT				1													663.05	661.35	SE 661.35		E 661.35	666.95
4	201173.3	29.2	LT				1													662.15	663.00			W 662.15	666.65
5	201174.8	64.1	LT	1																663.25					665.75
6	201257.3	37.0	LT	1																		SW 663.25			665.50
7	201116.0	88.1	RT									1			12	13	17.3				655.25				N/A
8	201090.0	15.5	RT				1													659.00	661.65				668.55
9	201090.0	15.5	LT		1															662.05					666.55
12	200875.0	15.5	LT				1											660.15	660.15	660.15					665.25
13	200940.0	15.5	LT				1												660.85	660.85					665.65
14	200940.0	15.5	RT					1													661.15				665.65
16	200875.0	15.5	RT					1													660.75				665.25

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 2 12" FOOT	SSRG CLA TY2 12" FOOT	SS CL A TY 2 15" FOOT	SS CL A TY 2 18" FOOT
2	1	2	12	61	3.99		61			
3	2	3	12	45	1.22	31.0	45			
4	3	4	12	68	1.11	21.6	68			
5	4	5	12	32	0.71		32			
6	3	6	12	16	1.05		16			
8	7	8	12	68	4.93		68			
9	8	9	12	28	1.29	24.2	28			
12	11	12	12	91	0.95	81.7	91			
13	12	13	12	64	1.03	16.3	64			
14	13	14	12	28	0.97	5.5	28			
16	12	16	12	28	1.94	7.4	28			

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD STORM SEWER PLAN

SCALE: DRAWN BY: KKP

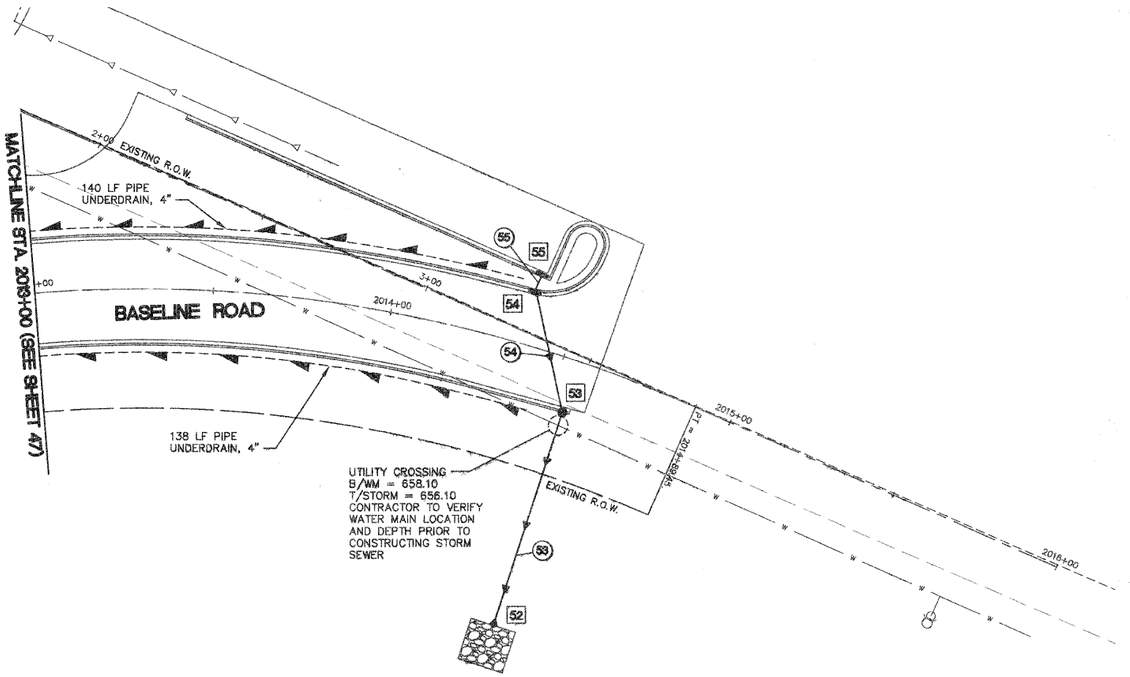
DATE: 03-26-09 CHECKED BY: TVW

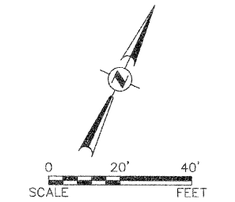
Plotted: June 29, 2009 @ 11:51 AM By: Kris Pung - Tab: 47 Baseline 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-STORM

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	48
	STA.		TO STA.		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		





(1) – STORM SEWER NUMBER

[1] – STORM STRUCTURE NUMBER

STORM SEWER STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY A TY 8 F&G	INLET TY A TY 11 F&G	INLET TY B TY 11 F&G	CB TY A 4' DIA TY 11 F&G	CB TY C 2' DIA TY 11 F&G	CB SPECIAL TY 11 F&G	MH TY A 4' DIA TY 1 FR&CL	MH TY A 4' DIA TY 8 GR	PRC FES 12"	PRC FES 15"	PRC FES 18"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS					4" UNDER-DRAIN	T/C ELEV (RIM ELEV IF NO T/C)
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W			
52	201455.6	77.8	RT									1			12	13	17.3	655.00						N/A
53	201448.3	15.2	LT						1									662.60	655.35					667.20
54	201437.2	15.5	LT			1												662.90	662.90					667.40
55	201437.8	19.4	LT		1														663.00					667.50

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 2 12" FOOT	SSRG CLA TY2 12" FOOT	SS CL A TY 2 15" FOOT	SS CL A TY 2 18" FOOT
53	52	53	12	56	0.58			56		
54	53	54	12	27	0.86	9.2		27		
55	54	55	12	2	2.50		2			

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD STORM SEWER PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / ROAD FILE NAME — NOTE BOOK — NO.____ — BY — DATE

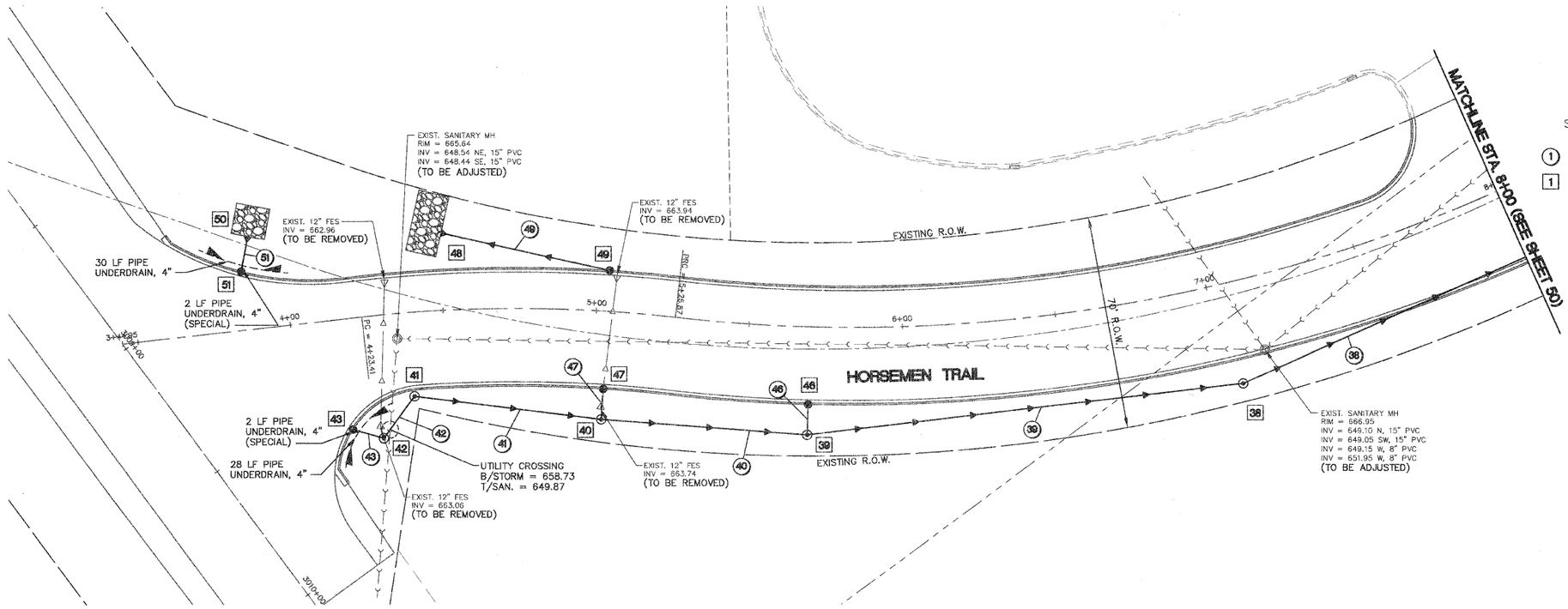
PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / E.M. NOTED / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO.____ — BY — DATE

Plotted: June 26, 2009 @ 7:51 AM By: Kris Pung — Tab: 48 Baseline 22x34

Path: H:\SESKPROJ\W00755\DWG\DWG FINAL ENG\W00755-STORM

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	49
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



STORM SEWER STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY A TY 8 F&G EACH	INLET TY A TY 11 F&G EACH	INLET TY B TY 11 F&G EACH	CB TY A 4' DIA TY 11 F&G EACH	CB TY C 2' DIA TY 11 F&G EACH	CB SPECIAL TY 11 F&G EACH	MH TY A 4' DIA TY 1 FR&CL EACH	MH TY A 4' DIA TY 8 GR EACH	PRC FES 12" EACH	PRC FES 15" EACH	PRC FES 18" EACH	STONE RIPRAP CLASS A3 LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	STRUCTURE INVERTS N	S	E	W		4" UNDER-DRAIN	T/C ELEV (RIM ELEV IF NO T/C)
38	704.5	33.3	RT							1								657.40	657.40					666.10
39	570.0	35.5	RT								1							658.20	658.20		661.55			664.85
40	503.8	35.0	RT								1							658.60	658.60		661.00			664.30
41	438.5	27.6	RT							1								658.90	658.90					666.00
42	426.2	40.3	RT								1							659.00	659.00					663.00
43	416.5	36.4	RT					1														NE 659.50	E 663.05	665.55
46	570.0	25.5	LT					1														SE 661.75		666.75
47	503.8	25.5	LT					1														SE 661.20		666.40
48	450.7	25.4	LT									1			10	20	22.2					NE 663.30		N/A
49	503.8	13.5	LT					1														SW 663.60		666.65
50	389.5	30.6	LT									1			10	11	12.2					SE 662.80		N/A
51	386.0	19.4	LT						1													NW 662.90	SW 663.10	665.60

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 2 12" FOOT	SSRG CLA TY2 12" FOOT	SS CL A TY 2 15" FOOT	SS CL A TY 2 18" FOOT
38	37	38	12	149	0.56	145.1	149			
39	38	39	12	139	0.56		139			
40	39	40	12	63	0.60		63			
41	40	41	12	57	0.49	5.2	57			
42	41	42	12	13	0.59		13			
43	42	43	12	8	4.55		8			
46	39	46	12	7	2.00		7			
47	40	47	12	7	2.00		7			
49	48	49	12	49	0.54	2.4	49			
51	50	51	12	5	0.83		5			

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL STORM SEWER PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN: SURVEYED | DRAWN | ALIGNMENT CHECKED | RT. OF WAY CHECKED | ROAD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE: SURVEYED | DRAWN | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

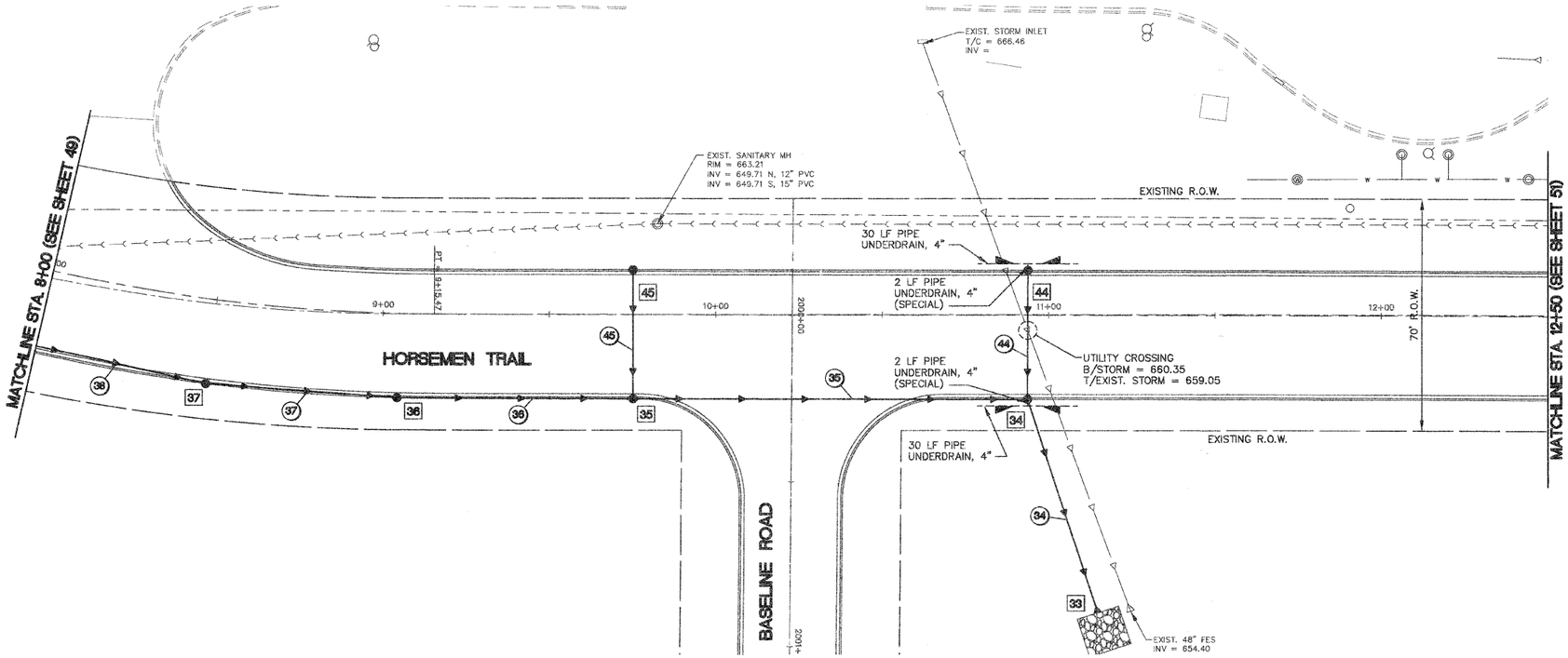
Plotted: June 26, 2009 @ 7:51 AM By: Kris Pung - Tab: 49 Horsemen 22x34

Path: H:\SSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-STORM

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	50
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN — BY — DATE
SURVEYED
DRAWN
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
CAD FILE NAME



0 20' 40'
SCALE FEET

(1) – STORM SEWER NUMBER
[1] – STORM STRUCTURE NUMBER

STORM SEWER STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY A TY 8 F&G	INLET TY A TY 11 F&G	INLET TY B TY 11 F&G	CB TY A 4' DIA TY 11 F&G	CB TY C 2' DIA TY 11 F&G	CB SPECIAL TY 11 F&G	MH TY A 4' DIA TY 1 FR&CL	MH TY A 4' DIA TY 8 GR	PRC FES 12"	PRC FES 15"	PRC FES 18"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS					T/C ELEV (RIM ELEV IF NO T/C)
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W	4" UNDER-DRAIN	
33	1114.9	89.9	RT										1		12	13	17.3				654.40		N/A
34	1094.0	25.5	RT				1												654.95	654.95	660.45	E 662.50	665.00
35	975.0	25.5	RT				1											655.45	655.45		660.60		665.70
36	905.0	25.5	RT				1											656.00	656.00				666.15
37	850.0	25.5	RT				1											656.55	656.55				666.45
44	1094.0	13.5	RT					1												660.70		W 662.70	665.20
45	975.0	13.5	LT					1												661.40			665.90

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 2 12" FOOT	SSRG CL A TY2 12" FOOT	SS CL A TY 2 15" FOOT	SS CL A TY 2 18" FOOT
34	33	34	15	60	0.81				60	
35	34	35	15	115	0.42	148.8			115	
36	35	36	12	67	0.77	85.2	67			
37	36	37	12	54	0.95	69.6	54			
38	37	38	12	149	0.56	145.1	149			
44	34	44	12	36	0.64		36			
45	35	45	12	36	2.05		36			

PROFILE — BY — DATE
SURVEYED
DRAWN
GRADES CHECKED
R.M. NOTED
STRUCTURE NOTATNS CK'KD
NOTE BOOK
NO.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL
STORM SEWER PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 7:51 AM By: Kris Pung - Tab: 50 Horsemen 22x34

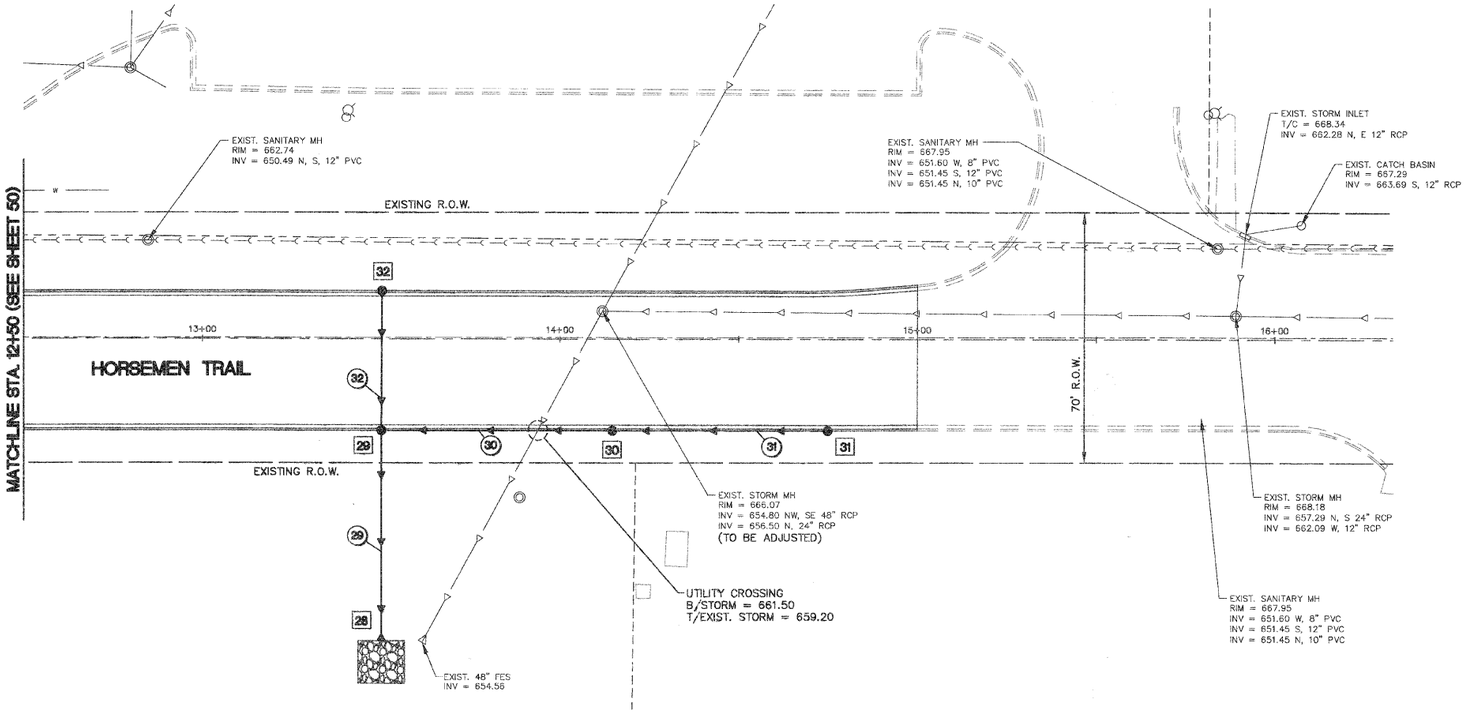
Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-STORM

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	51
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / DATE; PLOTTED / BY; GRADES CHECKED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; NOTE BOOK NO. ____; CADD FILE NAME ____

PROFILE — SURVEYED / DATE; PLOTTED / BY; GRADES CHECKED; R.M. NOTED; PTH/CURVE NOTATNS CHKD; NOTE BOOK NO. ____



0 20' 40'
SCALE FEET

(1) – STORM SEWER NUMBER

[1] – STORM STRUCTURE NUMBER

STORM SEWER STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY A TY 8 F&G	INLET TY A TY 11 F&G	INLET TY B TY 11 F&G	CB TY A 4' DIA TY 11 F&G	CB TY C 2' DIA TY 11 F&G	CB SPECIAL TY 11 F&G	MH TY A 4' DIA TY 1 FR&CL	MH TY A 4' DIA TY 8 GR	PRC FES 12"	PRC FES 15"	PRC FES 18"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS					4" UNDER-DRAIN	T/C ELEV (RIM ELEV IF NO T/C)
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W			
28	1350.0	84.9	RT									1			12	13	17.3				654.50			N/A
29	1350.0	25.5	RT				1											661.35		656.50	659.40			665.90
30	1415.0	25.5	RT				1											662.00	662.00					666.50
31	1475.0	25.5	RT					1											662.60					667.10
32	1350.0	13.5	LT					1												659.80				666.15

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 2 12" FOOT	SSRG CLA TY2 12" FOOT	SS CL A TY 2 15" FOOT	SS CL A TY 2 18" FOOT
29	28	29	12	51	3.39		51			
30	29	30	12	61	1.00	12.6	61			
31	30	31	12	57	1.00	11.6	57			
32	29	32	12	36	1.03	15.6	36			

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL STORM SEWER PLAN

SCALE: DRAWN BY: KKP

DATE: 03-26-09 CHECKED BY: TVW

Plotted: June 26, 2009 @ 7:52 AM By: Kris Pung – Tab: 51 Horsemen 22x34

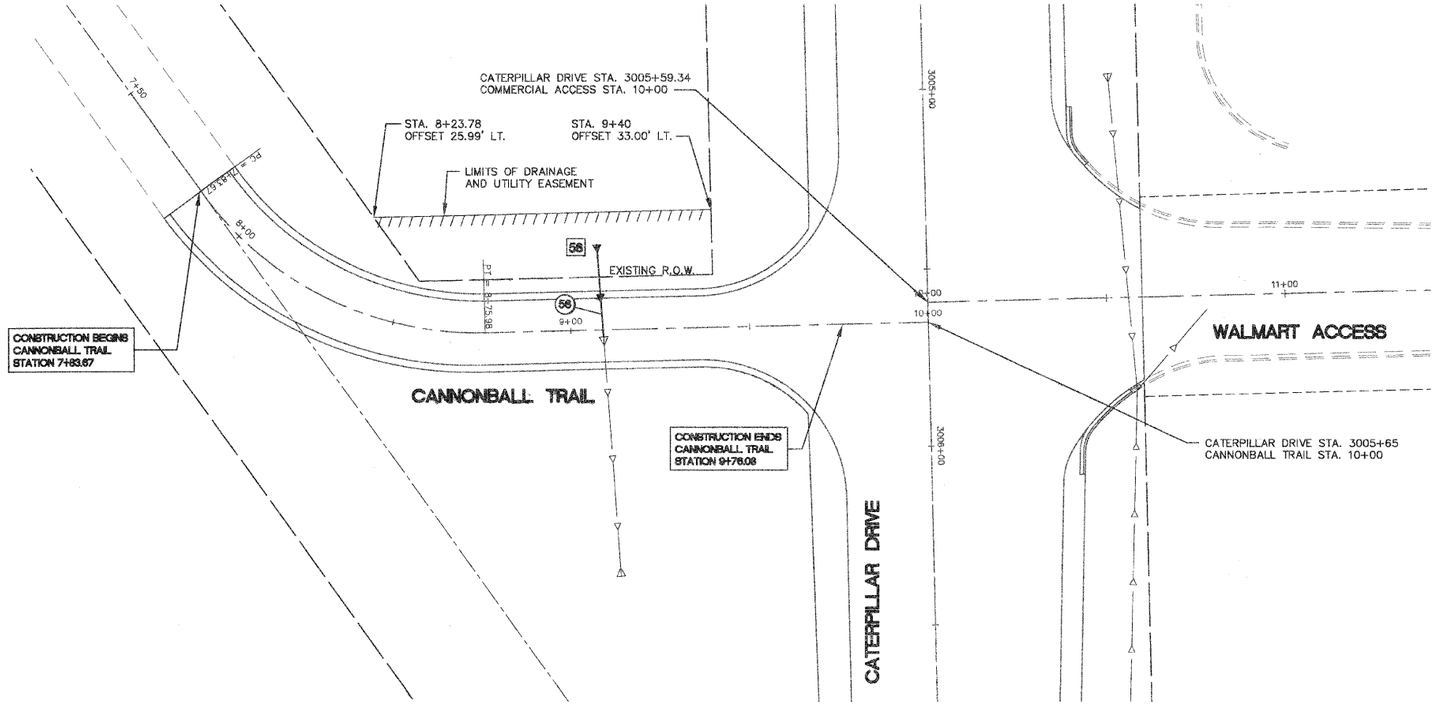
Path: H:\SDSKPROJ\W00755\DWG\DWG FINAL ENG\W00755-STORM

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	52
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / PT. OF BEG. NOTED / ELEV. DATUM / NOTE BOOK / NO. / BY / DATE / FROM FILE NAME

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / B.M. NOTED / STRUCTURE NO. / BY / DATE / KOYA.RB5 CHKD



0 20' 40'
SCALE FEET

(1) – STORM SEWER NUMBER

[1] – STORM STRUCTURE NUMBER

STORM SEWER STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY A TY 8 F&G	INLET TY A TY 11 F&G	INLET TY B TY 11 F&G	CB TY A 4' DIA TY 11 F&G	CB TY C 2' DIA TY 11 F&G	CB SPECIAL TY 11 F&G	MH TY A 4' DIA TY 1 FR&CL	MH TY A 4' DIA TY 8 GR	PRC FES 12"	PRC FES 15"	PRC FES 18"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS						T/C ELEV (RIM ELEV IF NO T/C)
															LENGTH	WIDTH	AREA	N	S	E	W		4" UNDER-DRAIN	
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	FOOT	SQ. YD.							
56	907.8	24.0	LT											1							661.91			N/A

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 2 12" FOOT	SSRG CLA TY2 12" FOOT	SS CL A TY 2 15" FOOT	SS CL A TY 2 18" FOOT
56	N/A	56	18	20	0.29	3.1				20

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CANNONBALL TRAIL STORM SEWER PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

Plotted: June 26, 2009 @ 7:52 AM By: Kris Pung – Tab: 52 Cannonball 22x34

Path: H:\SIS\KPRO\M00755\DWG\DWG FINAL ENG\M00755-STORM

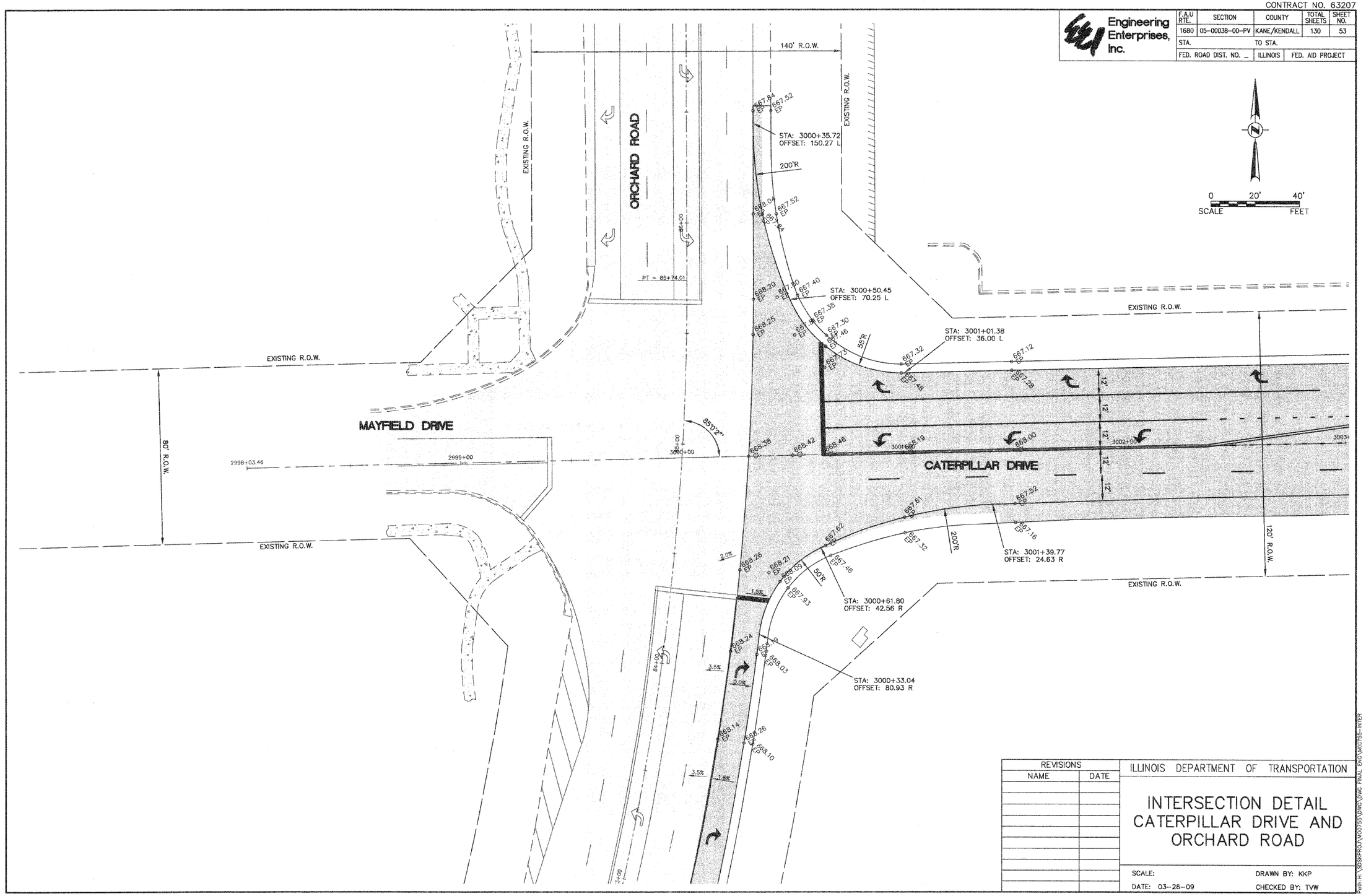
CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	53
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NOTE BOOK	ROAD FILE NAME	
NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
NOTE BOOK	STRUCTURE NO'S/ITMS CK'KD	
NO.		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL CATERPILLAR DRIVE AND ORCHARD ROAD

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:00 AM By: Kris Pung - Tab: 53 intersection 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-INTER

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	54
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
DGN FILE NAME
BY
DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
ENG. NOTES
STRUCTURE NO(S).
PGN CHKD
BY
DATE

WALMART ACCESS

EXISTING R.O.W.

STA: 3005+22.46
OFFSET: 44.68 L

STA: 3005+85.19
OFFSET: 55.89 L

STA: 3006+11.52
OFFSET: 36.78 L

STA: 3005+02.83
OFFSET: 36.00 L

CATERPILLAR DRIVE

120' R.O.W.

STA: 3005+16.01
OFFSET: 23.84 R

STA: 3006+14
OFFSET: 24.00 R

STA: 3005+56
OFFSET: 63.84 R

STA: 3005+74
OFFSET: 64.00 R

CANNONBALL TRAIL

40'R (TYP.)

VARIES

3005+00

3006+00

3007+00

90°0'0"

90°0'0"

SCALE 0 10' 20' FEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL CATERPILLAR DRIVE AND CANNONBALL TRAIL / WALMART ACCESS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

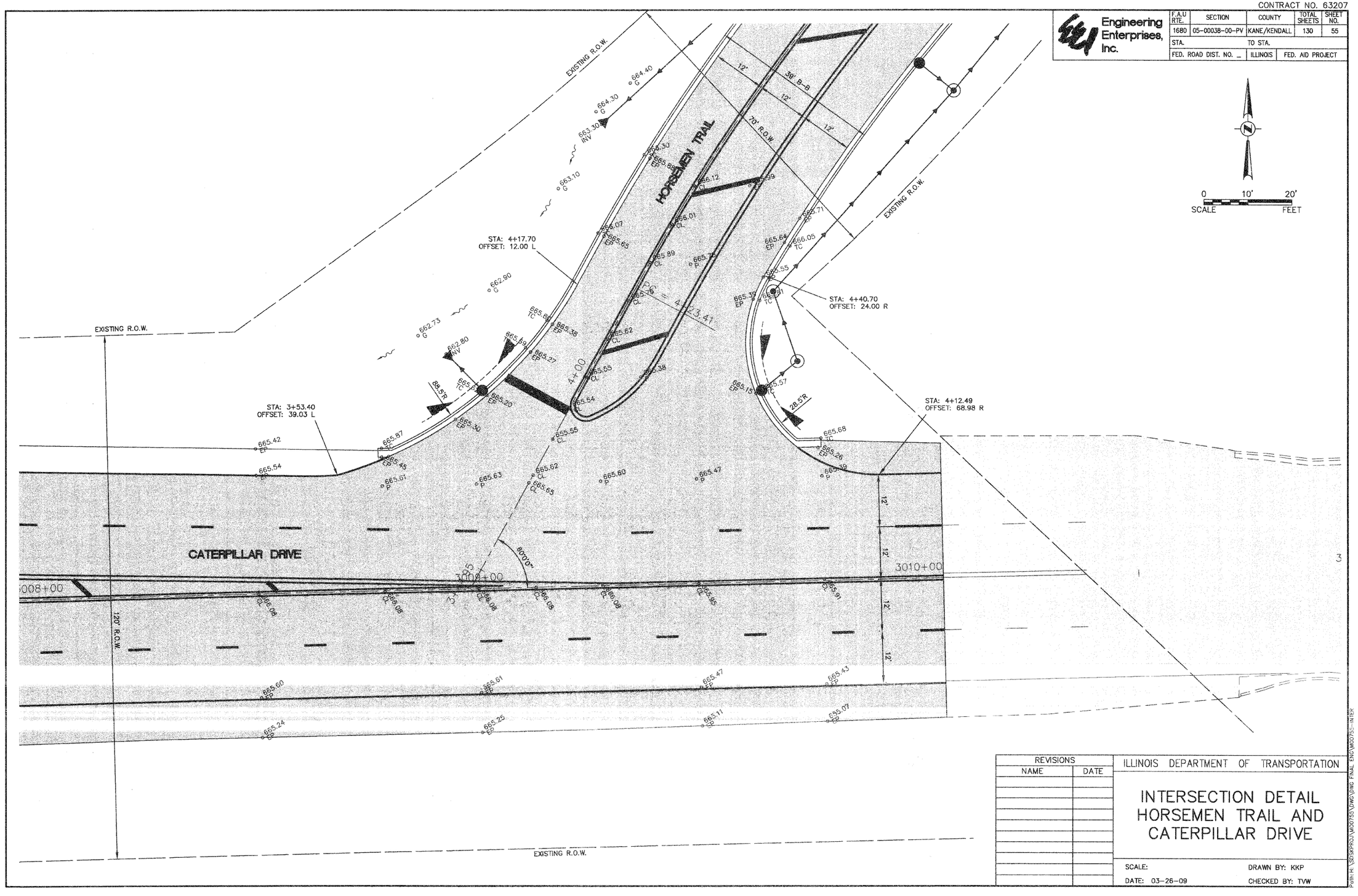
Plotted: June 25, 2009 @ 8:00 AM By: Kris Pung - Tab: 54 Intersection 22x34

Path: N:\SUSKP\KOJ\M007755\DWG\DWG FINAL ENG\M007755-INTER

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	55
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



PLAN

SURVEYED	BY
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NOTE BOOK	
NO.	
CADD FILE NAME	

PROFILE

SURVEYED	BY
PLOTTED	
GRADES CHECKED	
B.M. NOTED	
NOTE BOOK	
NO.	
STRUCTURE NO(S).	
ANS CHKD	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL HORSEMEN TRAIL AND CATERPILLAR DRIVE

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

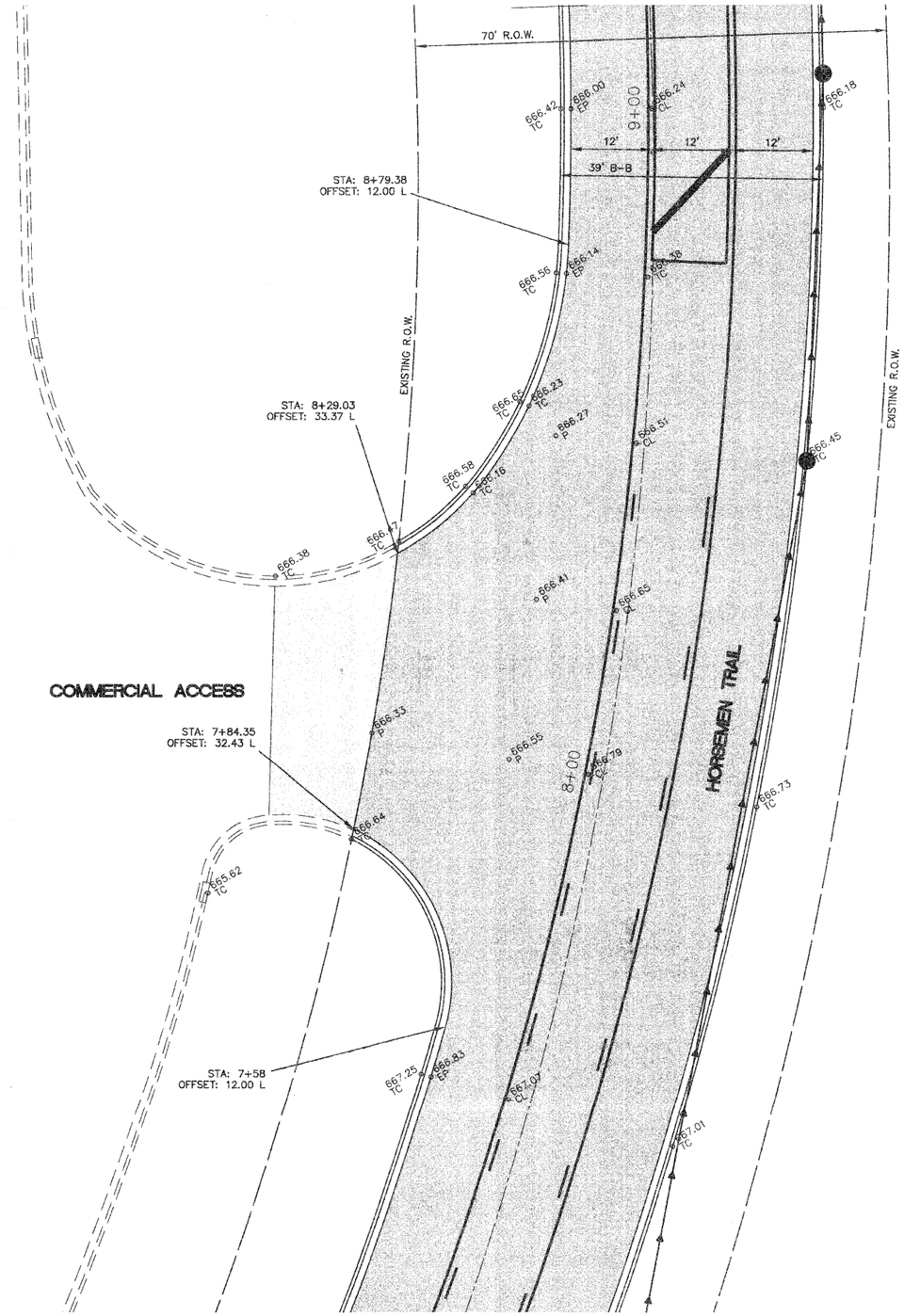
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:00 AM By: Kris Pung - Tab: 55 intersection 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-INTER

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	56
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



0 10' 20'
SCALE FEET

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NOTE BOOK		
NO.		
ROAD FILE NAME		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
NOTE BOOK		
NO.		
STRUCTURE NO(S)/ALYNS CK'KD		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL HORSEMEN TRAIL AND COMMERCIAL ACCESS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:01 AM By: Kris Pung - Tdc: 56 Intersection 22x34

Path: N:\SDSKPROJ\M00755\CIVIL\DWG FINAL ENG\M00755-INTER

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	57
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK ALIGNMENT CHECKED		
NO. RT. OF WAY CHECKED		
ROD FILE NAME		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK GRADES CHECKED		
NO. E.M. NOTED		
STRUCTURE NOTATNS CHKD		

HORSEMEN TRAIL

11+00

STA: 2000+25.06
OFFSET: 45.31 L

665.07 TC
665.02 TC
665.16 TC
665.38 TC
664.68 P
664.99 TC
30' R (TYP.)
664.80 TC
STA: 2000+55.06
OFFSET: 15.50 L
664.41 TC

EXISTING R.O.W.

PC = 2001+52.90

2000+00
664.95 TC
664.87 P
664.79 TC
665.53 TC
2.00%
0.79%
664.71 TC
664.66 P
2001+00
664.27 TC

BASELINE ROAD

66' R.O.W.
14'
14'
36' B-B

90°

10+00
665.54 TC
665.72 TC
665.06 P
665.13 TC
665.04 TC
STA: 2000+55.63
OFFSET: 15.50 R
664.41 TC
665.41 TC

EXISTING R.O.W.

STA: 2000+25.63
OFFSET: 45.69 R
665.91 TC
665.75 TC
665.69 TC

EXISTING R.O.W.

12'
12'
12'
39' B-B
70' R.O.W.

0 10' 20'
SCALE FEET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL BASELINE ROAD AND HORSEMEN TRAIL

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:01 AM By: Kris Pung - Tab: 57 Intersection 22x34

Path: H:\SDSKPROJ\M007355\DWG\DWG FINAL ENG\M007355-INTER

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	58
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN

BY	DATE
SURVEYED	
DRAWN	
ALIGNMENT CHECKED	
R.T. OF W'AY CHECKED	
NOTE BOOK	
NO.	
PROP. FILE NAME	

PROFILE

BY	DATE
SURVEYED	
DRAWN	
GRADES CHECKED	
S.M. NOTED	
NOTE BOOK	
NO.	
STRUCTURE NO(S)/KN/KE CK'KD	

STA: 2012+30.12
OFFSET: 50.31 L

STA: 2011+93.86
OFFSET: 53.38 L

STA: 2011+73.97
OFFSET: 27.40 L

STA: 2011+23.80
OFFSET: 15.50 L

STA: 2012+74.94
OFFSET: 14.00 L

EXISTING R.O.W.

BASELINE ROAD

66' R.O.W.

NOTE:
WORK REQUIRED NORTH OF THE PRESCRIPTIVE R.O.W. AS NECESSARY TO REALIGN BASELINE ROAD TO BE COMPLETED VIA TEMPORARY USE PERMIT.

SCALE 0 20' 40' FEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL BASELINE ROAD

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:01 AM By: Kris Pung - Tab: 58 Intersection 22x34

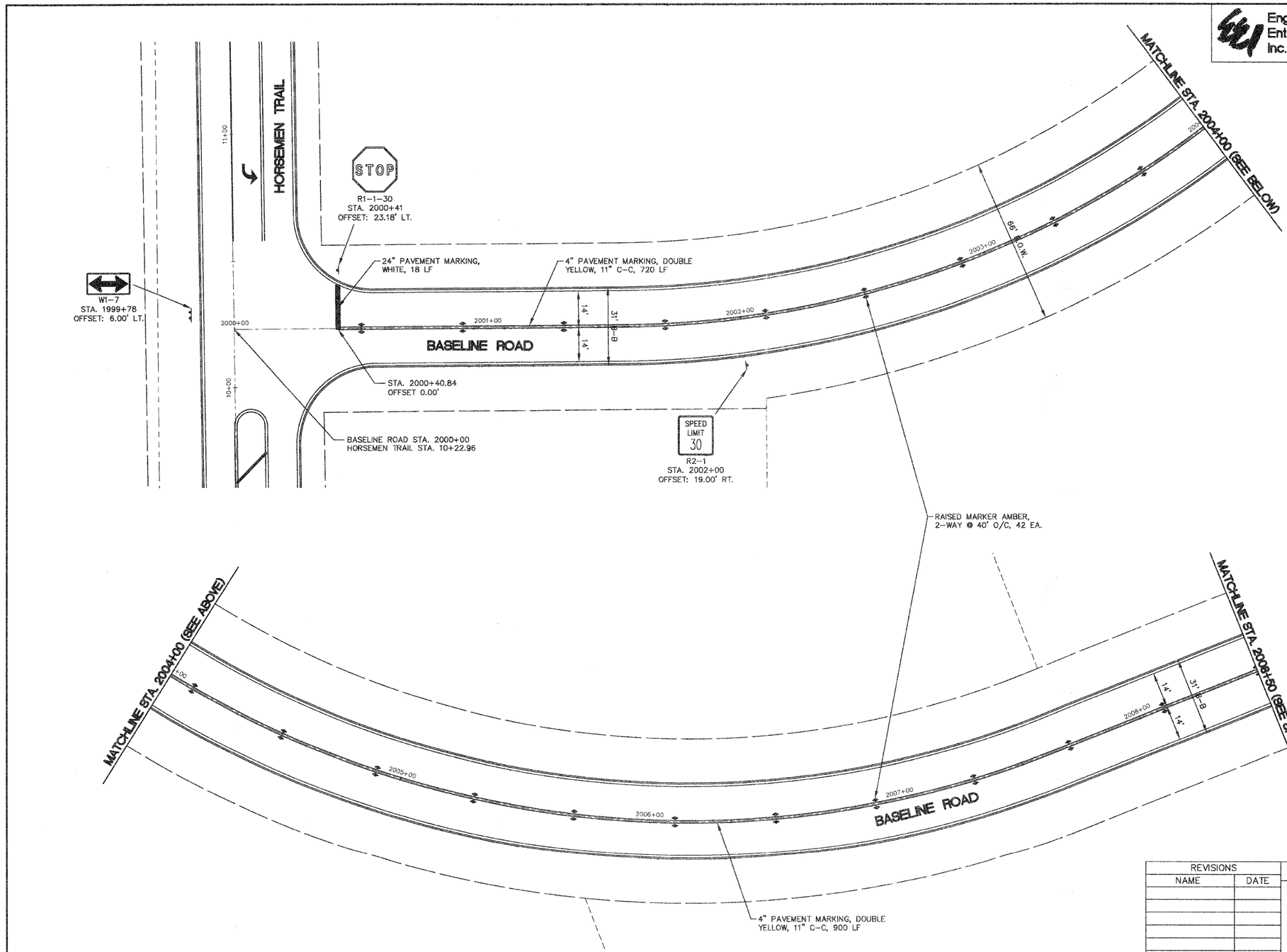
Path: H:\SDSKPROJ\M007553\DWG\DWG FINAL ENG\M007553-INTER

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	59
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN | SURVEYED | DRAWN | ALIGNMENT CHECKED | RT. OF WAY CHECKED | ROAD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE | SURVEYED | DRAWN | GRADES CHECKED | B.M. NOTED | STRUCTURE NO(S)/ALIGNS CHKD | NOTE BOOK | NO. | BY | DATE



NOTE:
ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD STRIPING AND SIGNAGE PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: July 13, 2009 @ 2:09 PM By: Kris Pung - Tab: 59 Stripe 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-STRIPE

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	60
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
NOTE BOOK
NO.
BY
DATE
CADD FILE NAME

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
NO.
BY
DATE
STRUCTURE NO(S)/NO(S) CHKD

SPEED LIMIT 30
R2-1
STA. 2010+00
OFFSET: 19.00' LT.

2010+00
2011+00
2012+00
2013+00
2009+00
BASELINE ROAD
66' R.O.W.

MATCHLINE STA. 2008+50 (SEE SHEET 59)

14'
31'-8"
14'

RAISED MARKER AMBER, 2-WAY @ 40' O/C, 30 EA.

4" PAVEMENT MARKING, DOUBLE YELLOW, 11" C-C, 1220 LF

W1-7
STA. 2011+90
OFFSET: 19.00' RT.

BASELINE ROAD STA. 2012+07
BASELINE EXTENSION STA. 2052+50

STA. 2012+53.24
OFFSET: 25.32' LT.

STA. 2012+90.64
OFFSET: 19.00' LT.

STA. 2013+28.77
OFFSET: 19.00' LT.

W1-8L
STA. 2012+53.24
TO STA. 2014+43.03
6 EA. @ 40' O.C.

0 20' 40'
SCALE FEET

NOTE:
ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED

4" PAVEMENT MARKING, YELLOW PAINT, 311 LF

STA. 2013+66.91
OFFSET: 19.00' LT.

9' (TYP.)
18.5' (TYP.)

STA. 2014+05.04
OFFSET: 19.00' LT.

STA. 2014+43.03
OFFSET: 20.98' LT.

2014+00
3+00

4" PAVEMENT MARKING, WHITE, 85 LF

2015+00

CONSTRUCTION ENDS
BASELINE ROAD
STATION 2014+60.66

12' 12'

STOP
R1-1-30
STA. 2052+00
OFFSET: 26.30' RT.

BASELINE EXTENSION STA. 2050+83.45
EXISTISTING BASELINE ROAD STA. 0+00

4" PAVEMENT MARKING, DOUBLE YELLOW, 11" C-C, 314 LF

2051+00
2052+00
2050+83.45
00+00
00+02
00+01

24" PAVEMENT MARKING, WHITE, 20 LF

BASELINE EXTENSION

BASELINE ROAD STA. 2012+07
BASELINE EXTENSION STA. 2052+50

STA. 2052+00
OFFSET 0.00

BASELINE ROAD

4" PAVEMENT MARKING, WHITE, 312 LF

YIELD
R1-2
STA. 2051+55.85
OFFSET: 54.00' LT.

0 20' 40'
SCALE FEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD STRIPING AND SIGNAGE PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

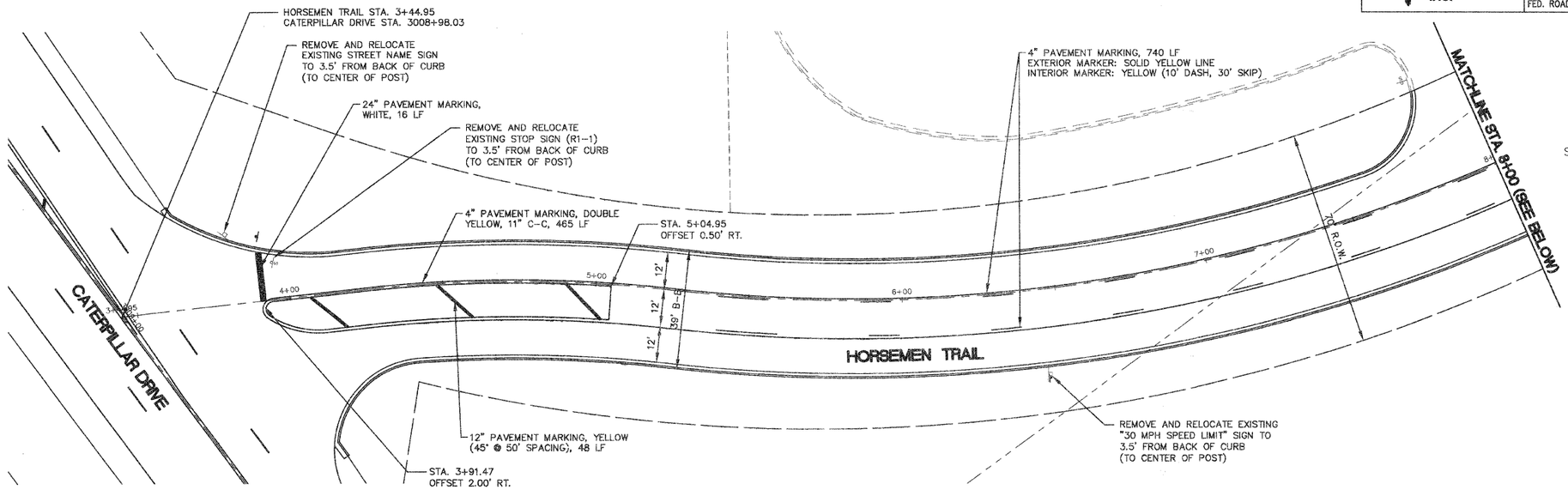
Plotted: July 13, 2009 @ 2:09 PM By: Kris Pung - Tab: 60 Stripe 22x34

Path: H:\SDSKPROJ\M007755\DWG\DWG FINAL ENG\M007755-STRIPE

CONTRACT NO. 63207

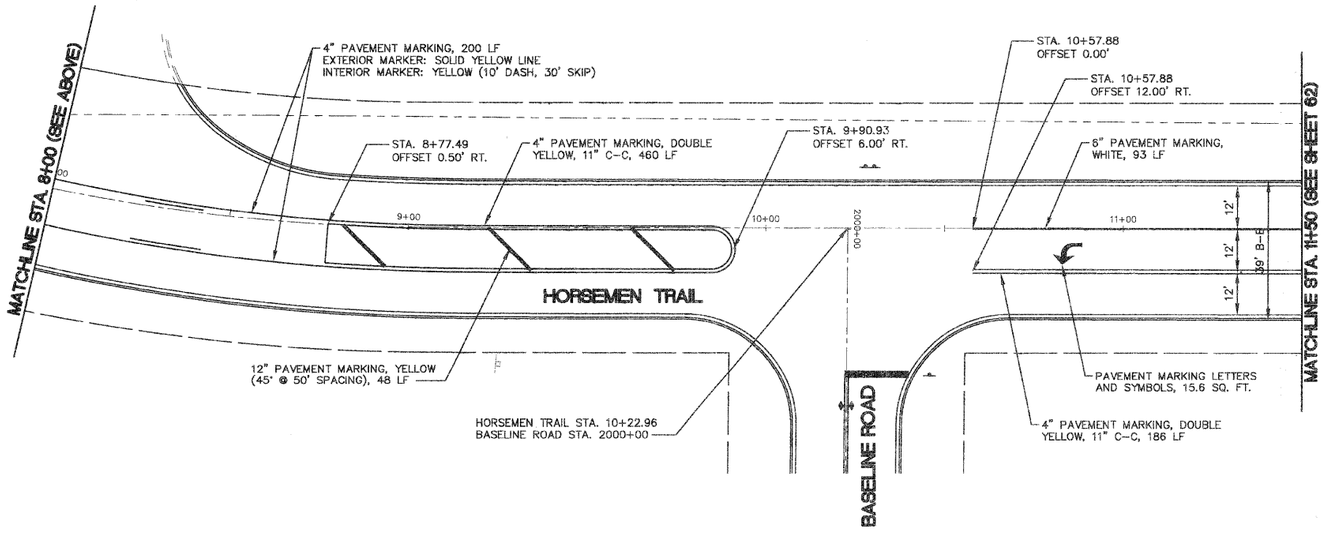
Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	61
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		



NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED
2. REMOVAL AND RELOCATION OF EXISTING SIGNS SHALL BE INCIDENTAL IN ACCORDANCE WITH ART. 107.25 OF THE STANDARD SPECIFICATIONS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL STRIPING AND SIGNAGE PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / ROAD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / BM. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

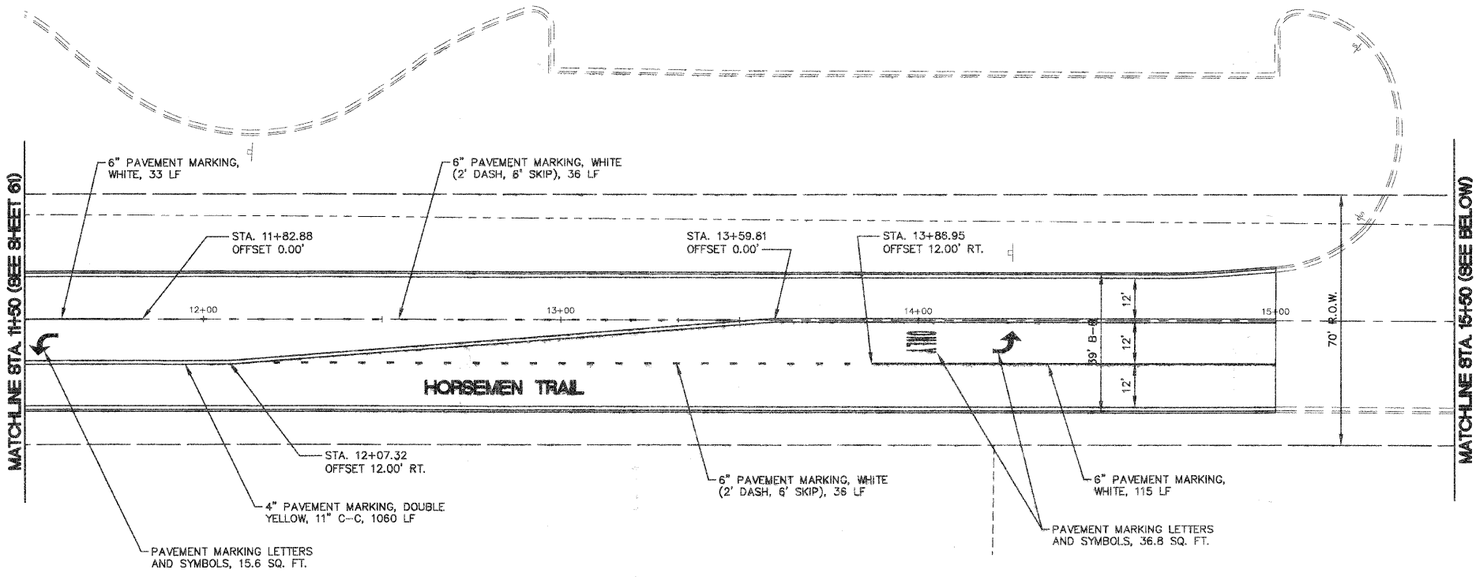
Plotted: July 13, 2009 @ 2:10 PM By: Kris Purg - Tab: 61 Stripe 22x34

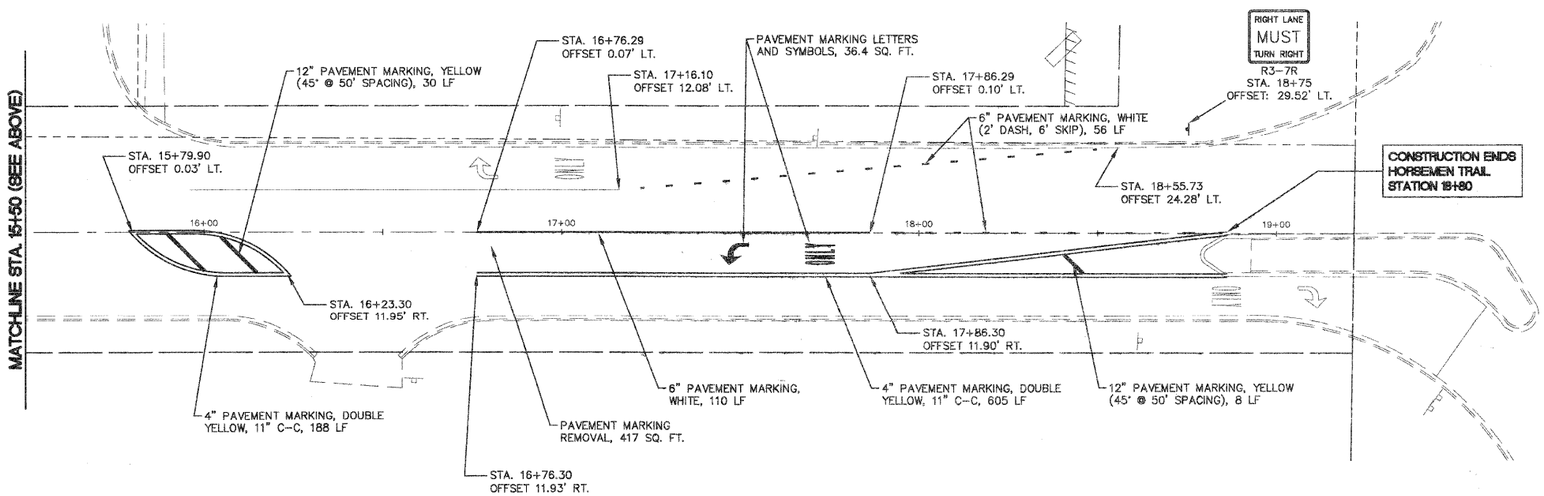
Path: N:\GISXPRO\M007355\DWG\DWG FINAL ENG\M007355-STRIPE

CONTRACT NO. 63207

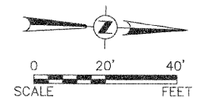
Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	62
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NOTE BOOK		
NO.		
DGN FILE NAME		





PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
R.M. NOTED		
NOTE BOOK		
NO.		
STRUCTURE NO(S)/ANS CK'D		



NOTE:
ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL STRIPING AND SIGNAGE PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: July 13, 2009 @ 2:10 PM By: Kris Pung - Tab: 62 Stripe 22x34

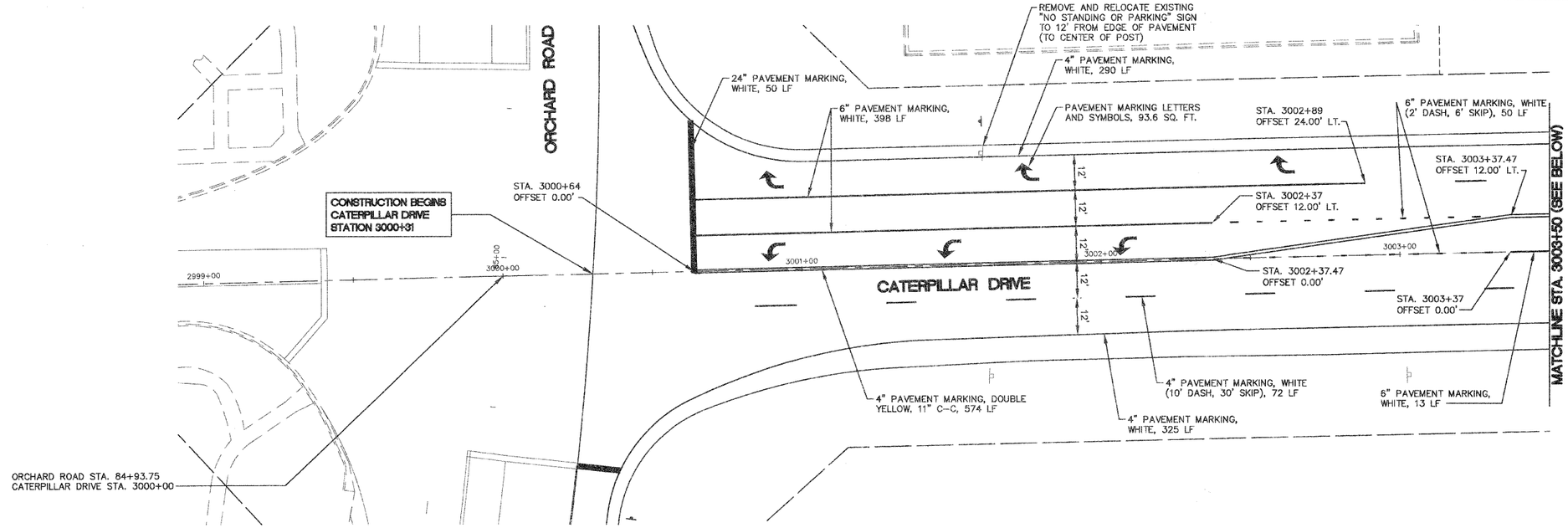
Path: H:\SDSKPROJ\1600755\DWG\DWG FINAL ENG\1600755-STRIPE

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	63
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

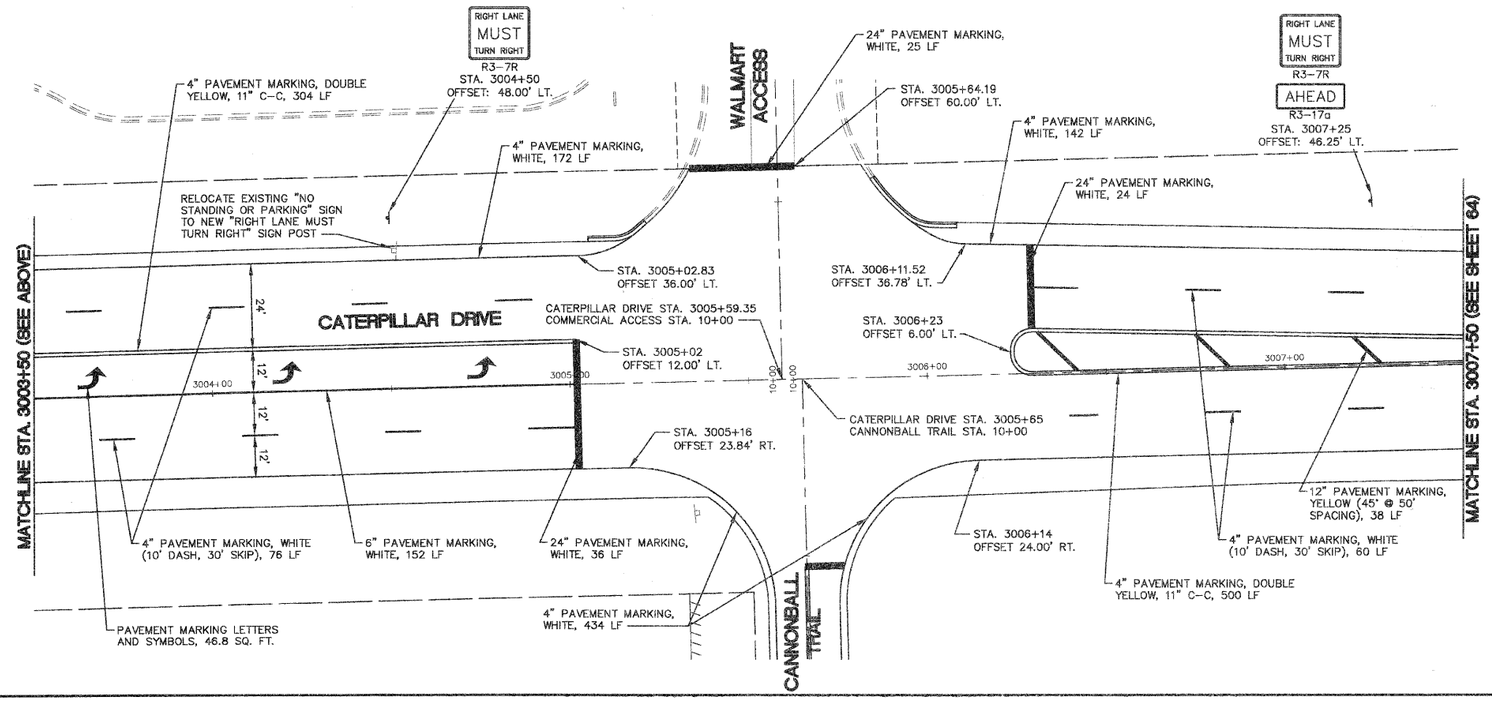
PLAN — SURVEYED | DRAWN | PLOTTED | GRADES CHECKED | ALIGNMENT CHECKED | R.T. OF WAY CHECKED | ROAD FILE NAME | NOTE BOOK | NO. | BY | DATE



NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED
2. REMOVAL AND RELOCATION OF EXISTING SIGNS SHALL BE INCIDENTAL IN ACCORDANCE WITH ART. 107.25 OF THE STANDARD SPECIFICATIONS.

PROFILE — SURVEYED | DRAWN | PLOTTED | GRADES CHECKED | R.T. OF WAY NOTED | STRUCTURE NO(S) CHKD | NOTE BOOK | NO. | BY | DATE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE STRIPING AND SIGNAGE PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: July 13, 2009 @ 2:10 PM By: Kris Pung - Tab: 63 Stripe 22x34

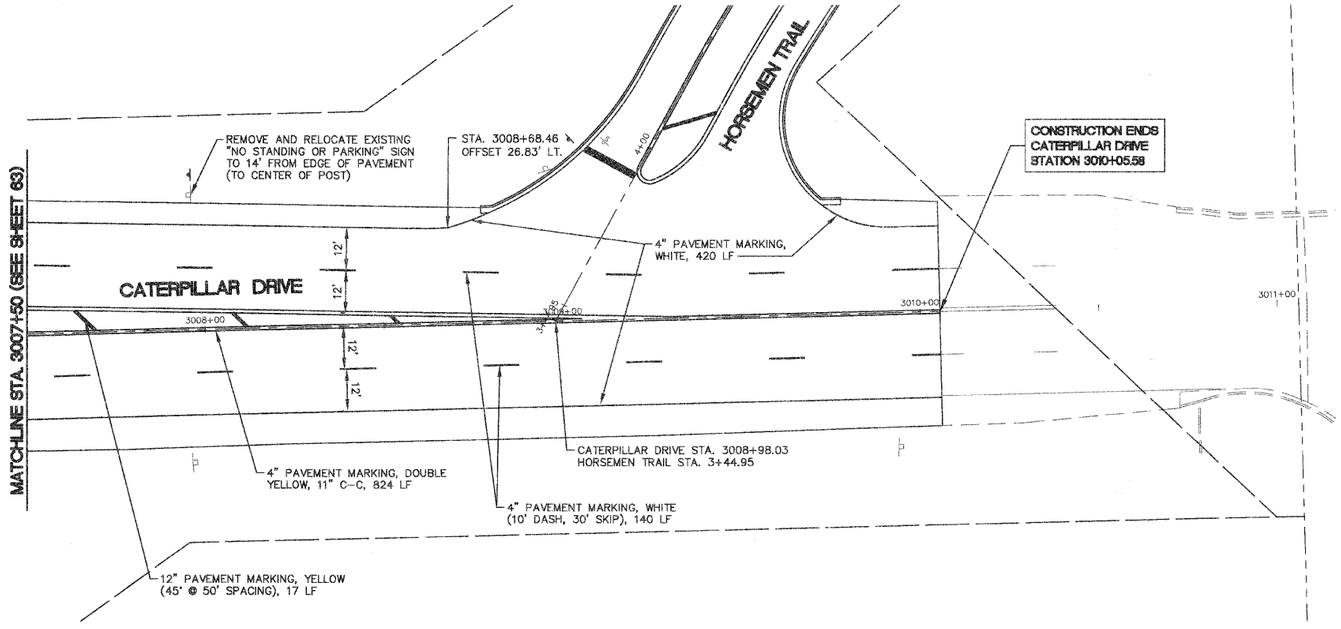
Path: H:\DSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-STRIPE

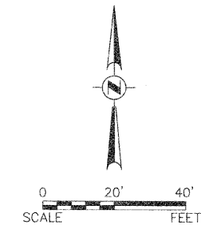
CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	64
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN

	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
ST. OF WAY CHECKED		
NOTE BOOK		
NO.		
PLOT FILE NAME		





NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED

2. REMOVAL AND RELOCATION OF EXISTING SIGNS SHALL BE INCIDENTAL IN ACCORDANCE WITH ART. 107.25 OF THE STANDARD SPECIFICATIONS.

PROFILE

	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
SIGNATURE NOT/ANS CHKD		
NOTE BOOK		
NO.		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE STRIPING AND SIGNAGE PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

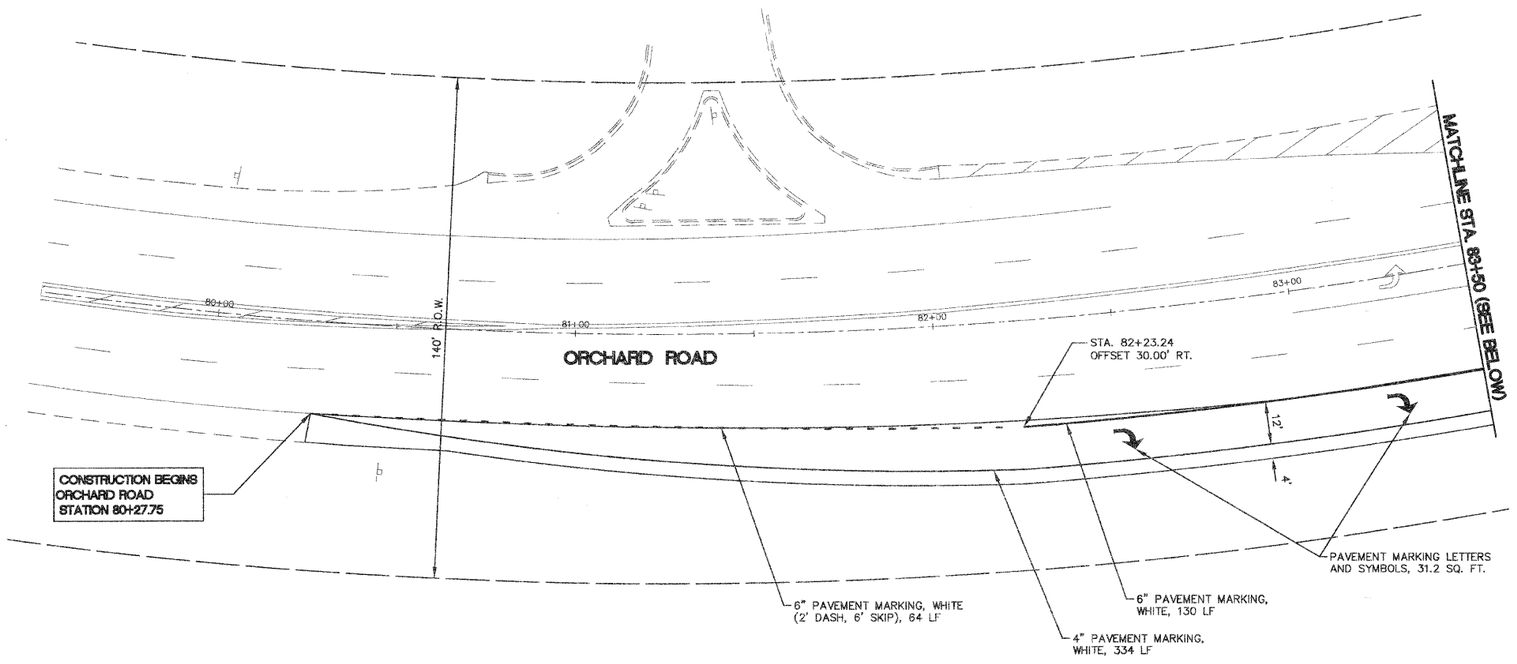
Plotted: July 13, 2009 @ 2:10 PM By: Kris Pung - Tab: 64 Stripe 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-STRIPE

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	65
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

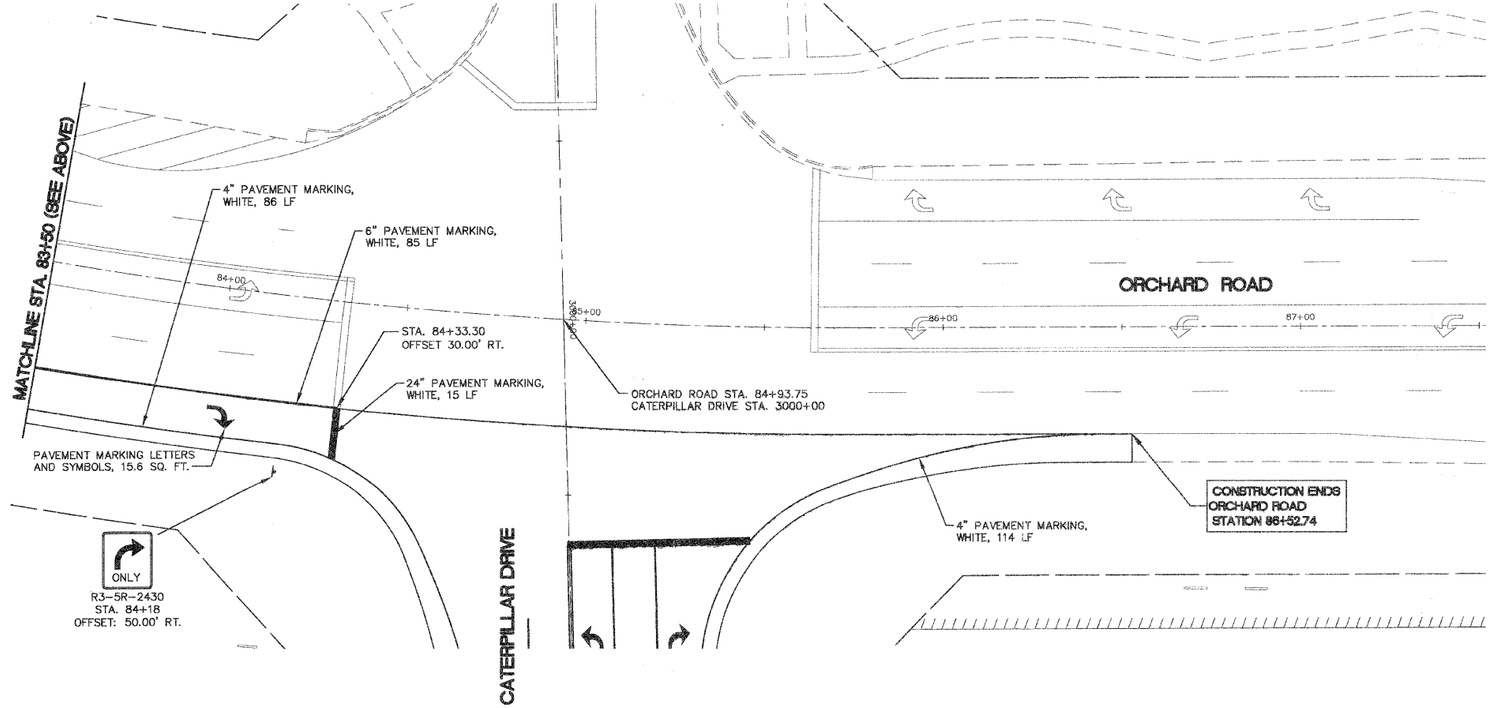
PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF W.Y CHECKED | BOOK FILE NAME | NOTE BOOK | NO. | BY | DATE



0 20' 40'
SCALE FEET

NOTE:
ALL PAVEMENT MARKINGS
SHALL BE THERMOPLASTIC
UNLESS OTHERWISE SPECIFIED

PROFILE | SURVEYED | PLOTTED | GRADES CHECKED | STR. NOTED | STRUCTURE NO'S/ATA'S CK'ED | NOTE BOOK | NO. | BY | DATE



0 20' 40'
SCALE FEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD STRIPING AND SIGNAGE PLAN

SCALE: DRAWN BY: KKP

DATE: 03-26-09 CHECKED BY: TVW

Plotted: July 13, 2009 @ 2:10 PM By: Kris Pung - Tab: 65 Stripe 22x34

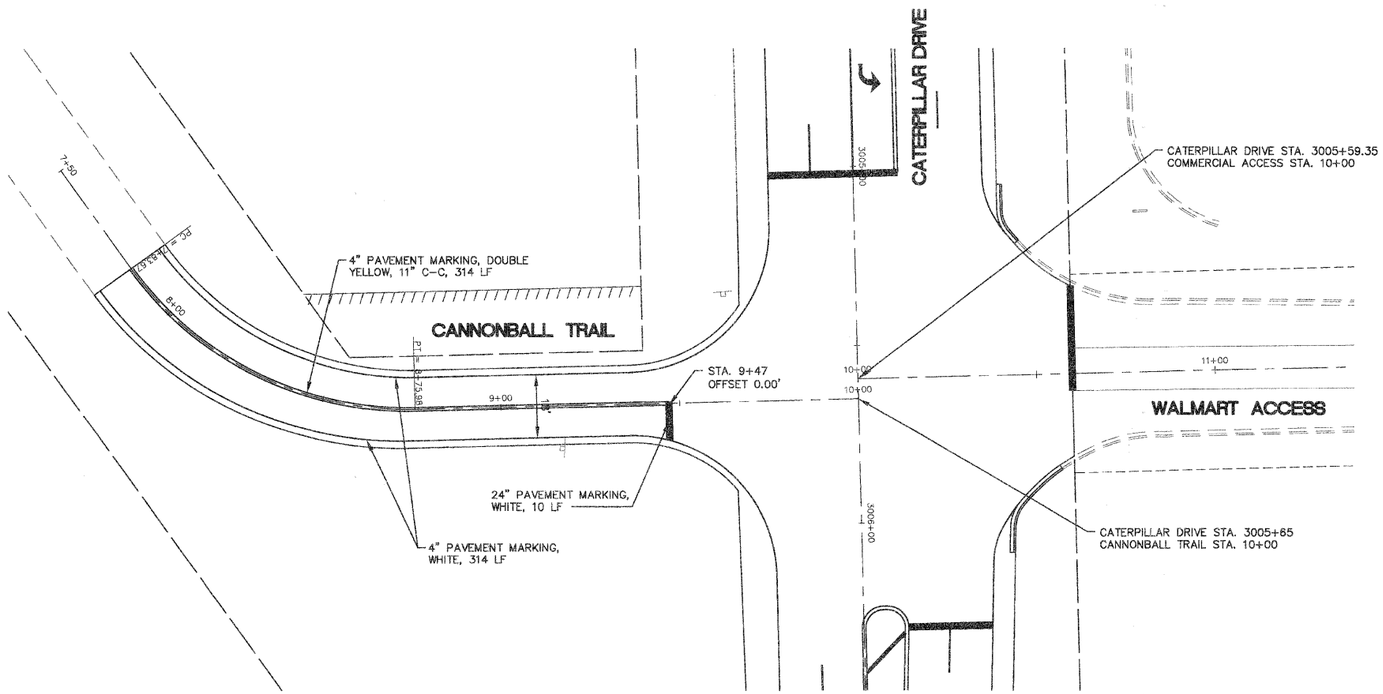
Path: H:\SDSKPROJ\M007755\DWG\DWG FINAL ENG\M007755-STRIPE

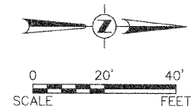
CONTRACT NO. 63207

Engineering Enterprises, inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	66
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURVEYED 20 OCTO PLOTTED ALIGNMENT CHECKED R/T OF WAY CHECKED NOTE BOOK NO.____ ROAD FILE NAME		

PROFILE	BY	DATE
SURVEYED 20 OCTO PLOTTED GRADES CHECKED E.M. NOTED NOTE BOOK NO.____ STRUCTURE NO(S)/MNS CK'KD		





REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CANNONBALL TRAIL STRIPING AND SIGNAGE PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

Plotted: July 13, 2009 @ 2:10 PM By: Kris Pung - Tab: 66 Stripe 22x34

Path: H:\SDSKPROJ\MC0755\DWG\DWG FINAL ENG\MC0755-STRIPE

CONTRACT NO. 63207

Engineering Enterprises, Inc.

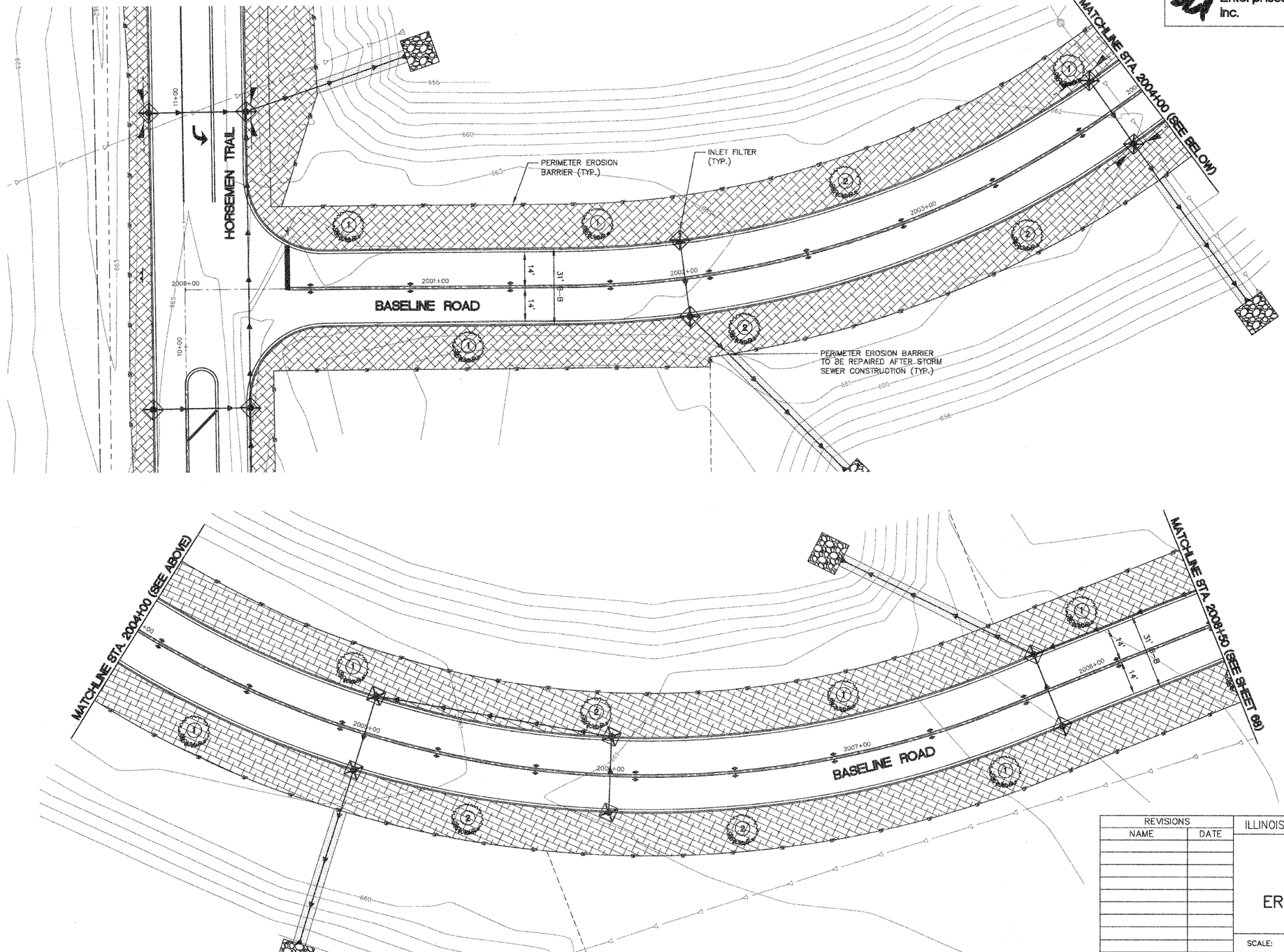
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	67
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN

BY	DATE
SURVEYED	
DRAWN	
ALIGNMENT CHECKED	
R/T OF W'AY CHECKED	
NOTE BOOK	
NO.	
CADD FILE NAME	

PROFILE

BY	DATE
SURVEYED	
DRAWN	
GRADES CHECKED	
B.M. NOTED	
NOTE BOOK	
NO.	
STRUCTURE NO(RAILROAD) CK'D	



LEGEND

- CLASS 1A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- CLASS 2A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- PRAIRIE SEEDING (SPECIAL) AND MULCH METHOD 3 (WITH FERTILIZER)
- —x— HIGH VISIBILITY FENCING
- —SF— PERIMETER EROSION BARRIER

FERTILIZER REQUIREMENTS

- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)

INLET FILTER

TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL/VEGETATION SUSTAINING SOIL SHALL BE A MINIMUM OF 4".

(1) NORWAY MAPLE

(2) SILVER LINDEN

NOTE: ENGINEER WILL STAKE TREE LOCATIONS PRIOR TO PLANTING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD LANDSCAPING AND EROSION CONTROL PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

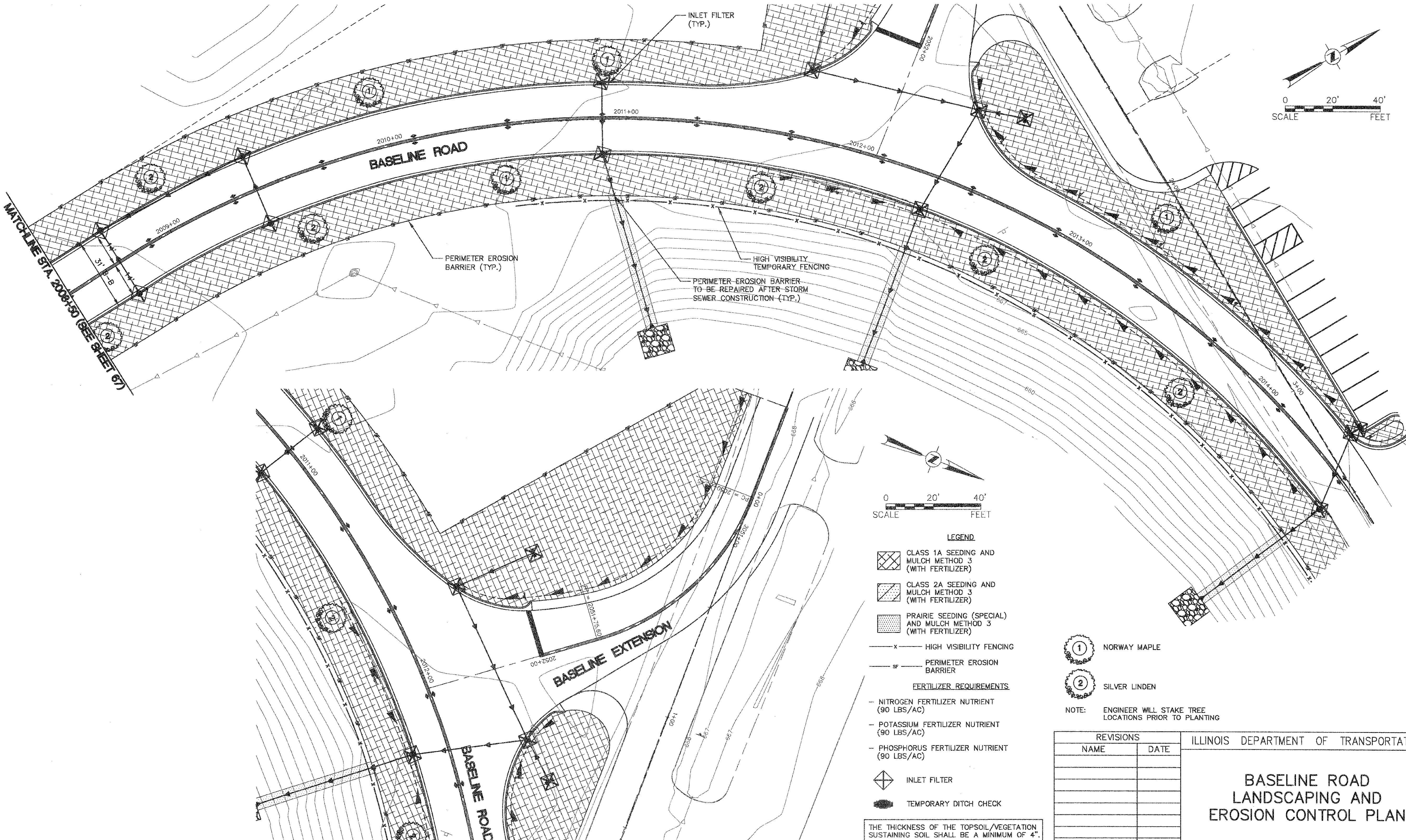
Plotted: June 26, 2009 @ 8:05 AM By: Kris Pung - Tab: 67 Land 22x34

Path: N:\SDSKPROJ\M007535\DWG\DWG FINAL ENG\M007535-LANDSCAPE

CONTRACT NO. 63207

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	68
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

Engineering Enterprises, Inc.



LEGEND

- CLASS 1A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- CLASS 2A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- PRAIRIE SEEDING (SPECIAL) AND MULCH METHOD 3 (WITH FERTILIZER)
- —x— HIGH VISIBILITY FENCING
- — SF — PERIMETER EROSION BARRIER

FERTILIZER REQUIREMENTS

- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)

INLET FILTER

TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL/VEGETATION SUSTAINING SOIL SHALL BE A MINIMUM OF 4".

(1) NORWAY MAPLE

(2) SILVER LINDEN

NOTE: ENGINEER WILL STAKE TREE LOCATIONS PRIOR TO PLANTING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

BASELINE ROAD LANDSCAPING AND EROSION CONTROL PLAN

SCALE: DRAWN BY: KKP

DATE: 03-26-09 CHECKED BY: TVW

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
R.O.W. CHECKED		
CADD FILE NAME		
NOTE BOOK ____ NO. ____		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK ____ NO. ____		

Plotted: June 26, 2009 @ 8:06 AM By: Kris Pung - Tab: 68 Land 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-LANDSCAPE

CONTRACT NO. 63207

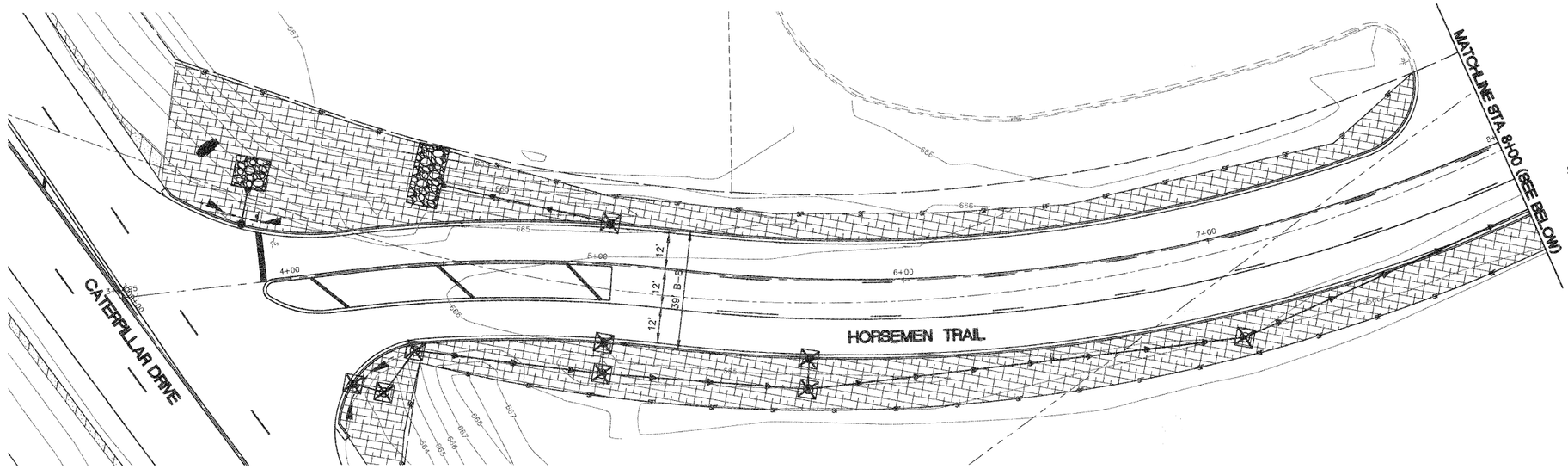
Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	69
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN

BY	DATE
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
BM. NOTED	
RT. OF WAY CHECKED	
STRUCTURE NO'S/NS CHKD	

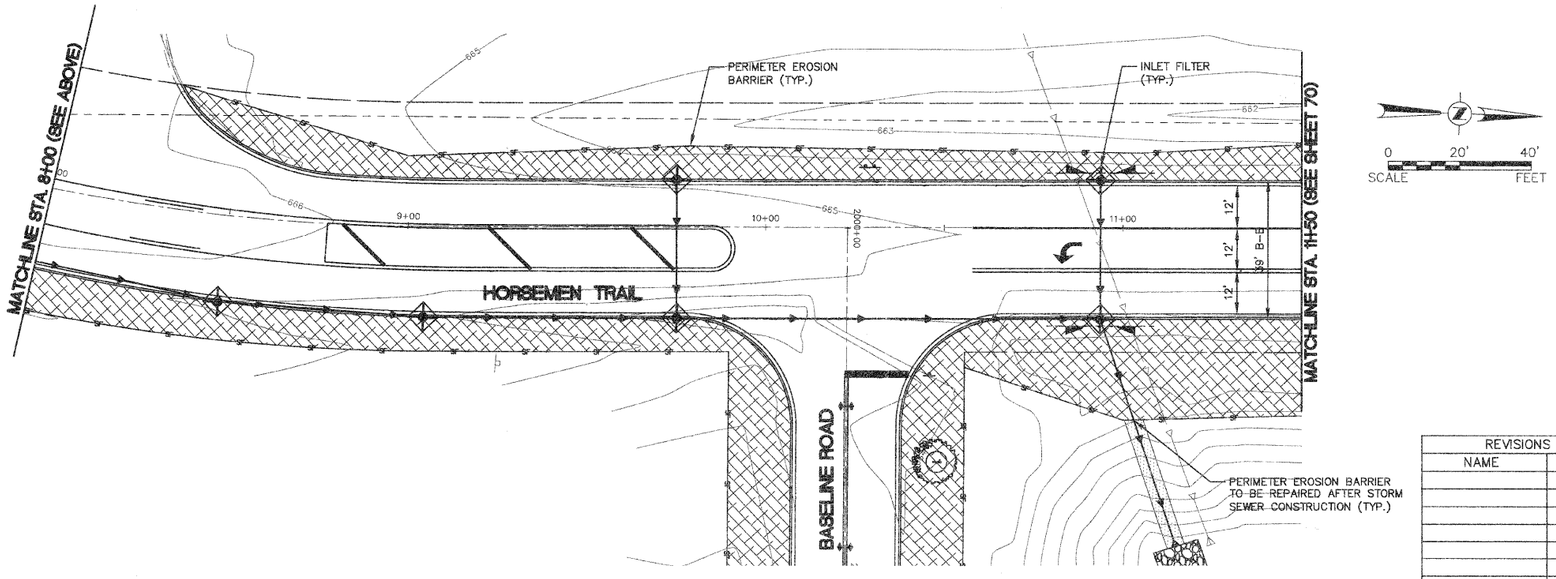
NOTE BOOK _____
NO. _____
CAD FILE NAME _____



PROFILE

BY	DATE
SURVEYED	
PLOTTED	
GRADES CHECKED	
BM. NOTED	
STRUCTURE NO'S/NS CHKD	

NOTE BOOK _____
NO. _____



LEGEND

- CLASS 1A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- CLASS 2A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- PRAIRIE SEEDING (SPECIAL) AND MULCH METHOD 3 (WITH FERTILIZER)
- —x— HIGH VISIBILITY FENCING
- —SF— PERIMETER EROSION BARRIER

FERTILIZER REQUIREMENTS

- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)

INLET FILTER

TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL/VEGETATION SUSTAINING SOIL SHALL BE A MINIMUM OF 4".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL LANDSCAPING AND EROSION CONTROL PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

Plotted: June 29, 2009 @ 11:54 AM By: Kris Pung – Tab: 69 Land 22x34

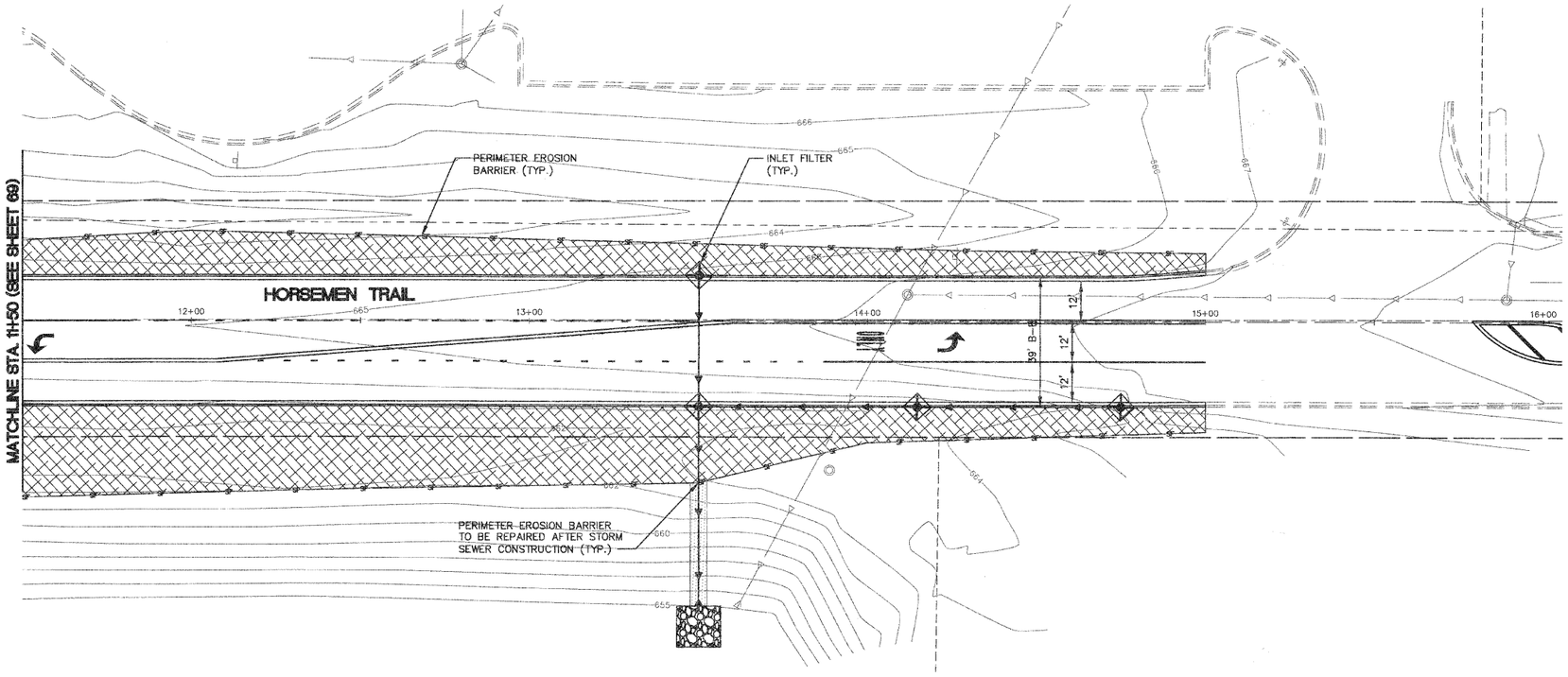
Path: H:\SDSKPROJ\W007515\DWG\DWG FINAL ENG\W007515-LANDSCAPE

CONTRACT NO. 63207

Engineering Enterprises, inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	70
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN
NOTE BOOK
NO.
SURVEYED
DRAWN
ALIGNMENT CHECKED
R.T. OF WAY CHECKED
ROAD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
DRAWN
GRADES CHECKED
B.M. NOTED
STRUCTURE NO
BY
DATE
CK'D



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SCALE FEET

LEGEND

- CLASS 1A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- CLASS 2A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- PRAIRIE SEEDING (SPECIAL) AND MULCH METHOD 3 (WITH FERTILIZER)
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- SF —— PERIMETER EROSION BARRIER

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- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)

INLET FILTER

TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL/VEGETATION SUSTAINING SOIL SHALL BE A MINIMUM OF 4".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORSEMEN TRAIL LANDSCAPING AND EROSION CONTROL PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:07 AM By: Kris Pung - Tab: 70 Land 22x34

Path: H:\SIS\PROJ\W007135\DWG\DWG FINAL ENG\W007135-LANDSCAPE

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	71
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
SURVEYED		
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ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
ROAD FILE NAME		
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PROFILE	BY	DATE
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GRADES CHECKED		
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SIGNATURE NOTATNS CHKD		
NOTE BOOK		
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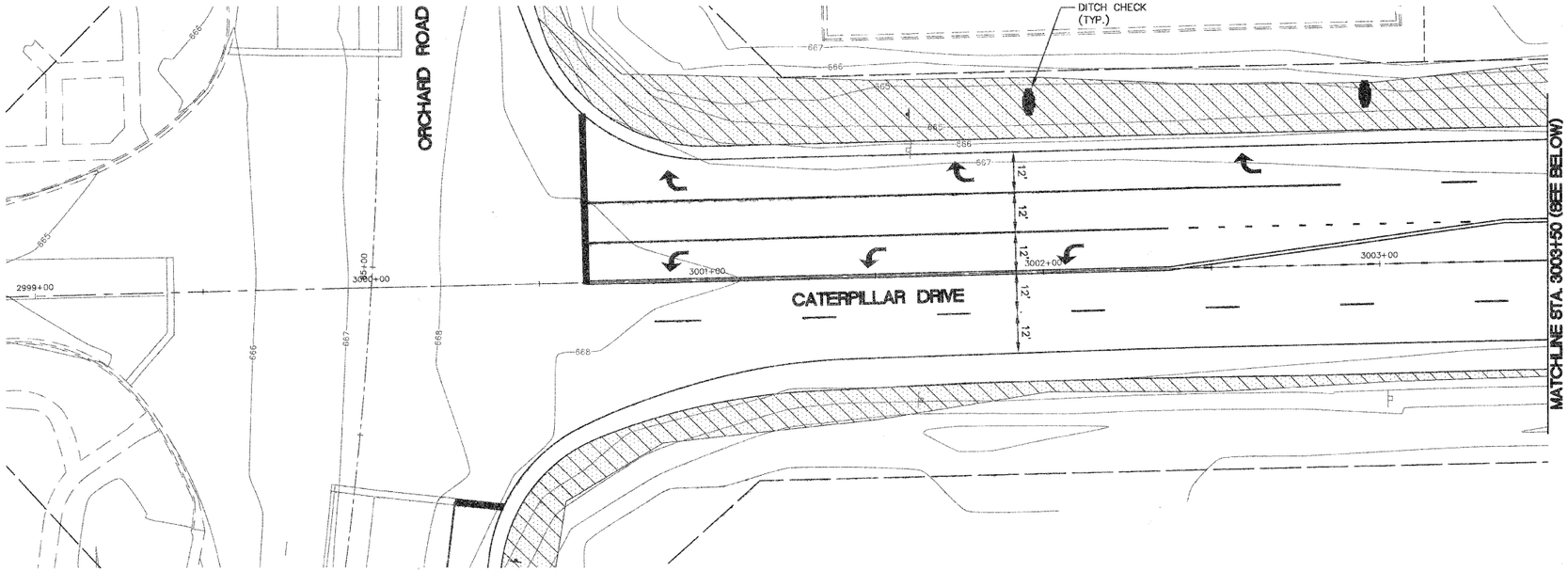

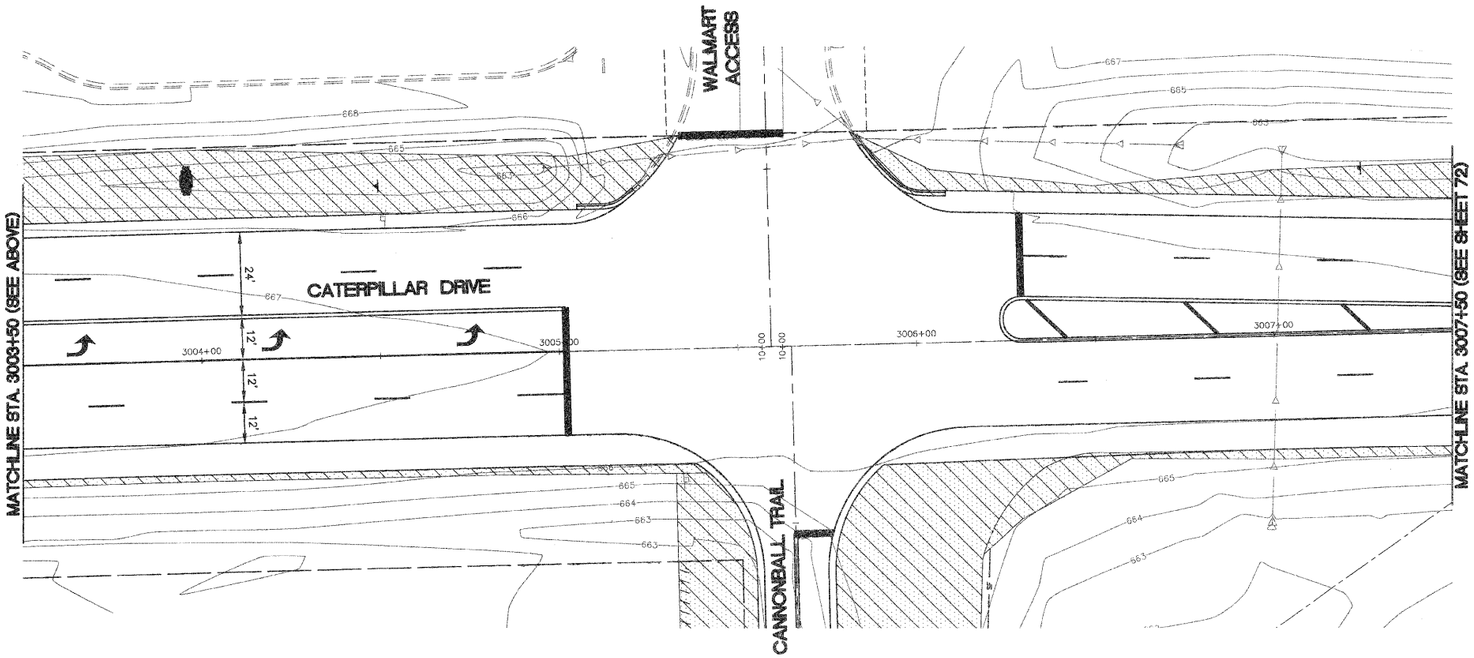

LEGEND

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- CLASS 2A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- PRAIRIE SEEDING (SPECIAL) AND MULCH METHOD 3 (WITH FERTILIZER)
- ——x—— HIGH VISIBILITY FENCING
- ——SF—— PERIMETER EROSION BARRIER

FERTILIZER REQUIREMENTS

- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)

INLET FILTER

TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL/VEGETATION SUSTAINING SOIL SHALL BE A MINIMUM OF 4".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE LANDSCAPING AND EROSION CONTROL PLAN

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:07 AM By: Kris Pung - Tab: 71 Land 22x34

Path: N:\SDSKPROJ\M000755\DWG\LWC FINAL ENG\M000755-LANDSCAPE

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	72
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN

	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
ROAD FILE NAME		

NOTE BOOK
NO.

PROFILE

	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NO(S)/ATHS CK'KD		

NOTE BOOK
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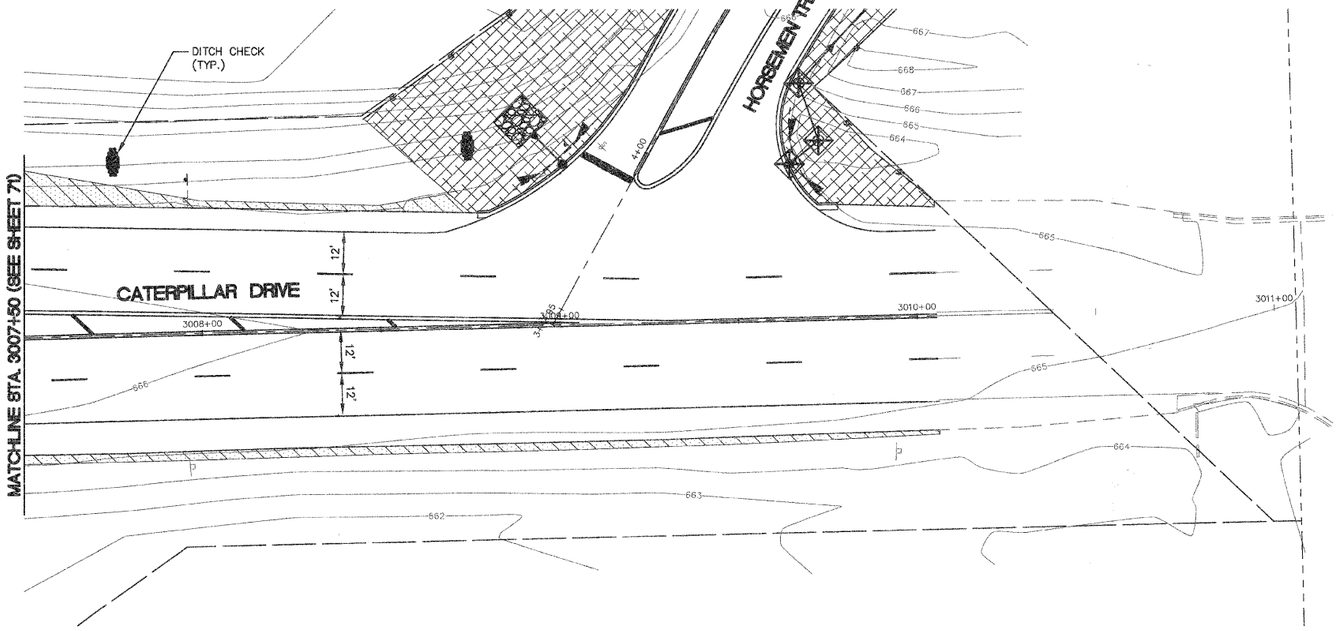

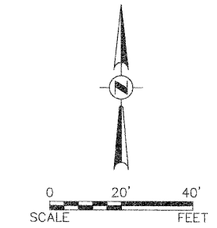

LEGEND

- CLASS 1A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- CLASS 2A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- PRAIRIE SEEDING (SPECIAL) AND MULCH METHOD 3 (WITH FERTILIZER)
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- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)

INLET FILTER

TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL/VEGETATION SUSTAINING SOIL SHALL BE A MINIMUM OF 4".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE LANDSCAPING AND EROSION CONTROL PLAN

SCALE:
DATE: 03-26-09

DRAWN BY: KKP
CHECKED BY: TVW

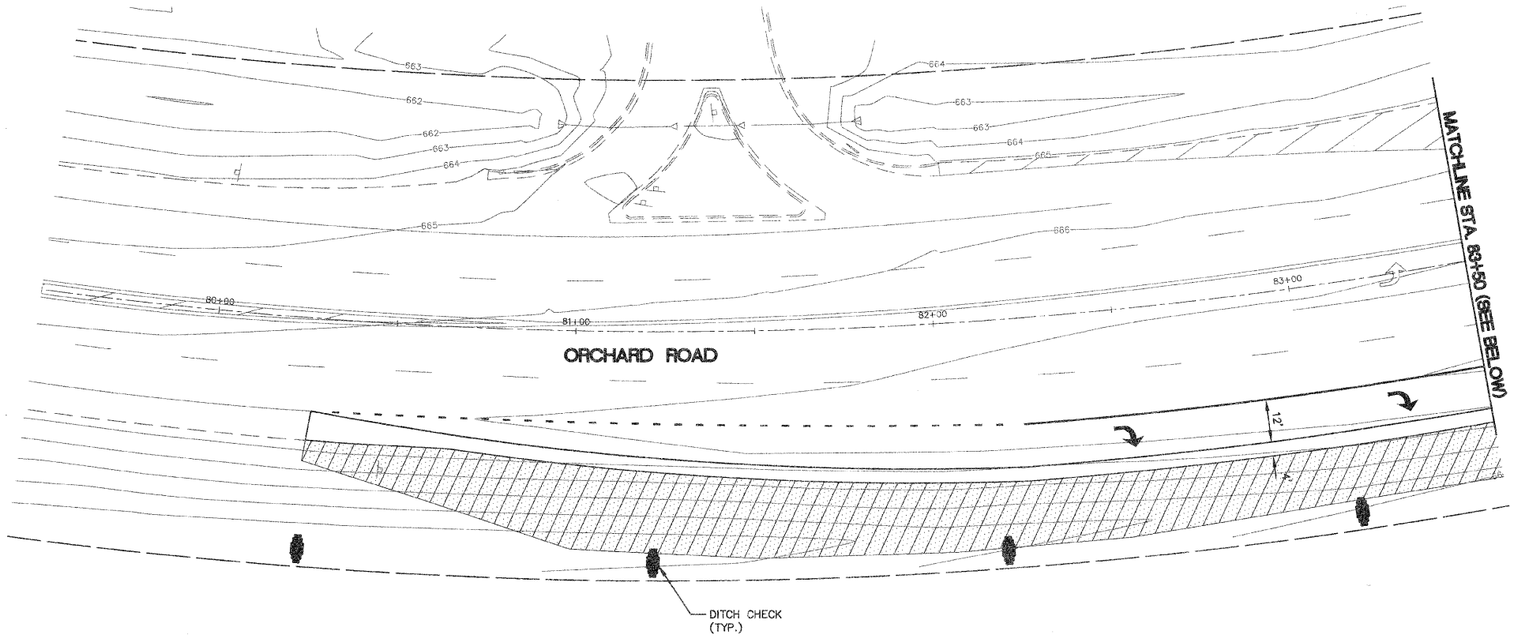
Path: H:\SDSKPROJ\MD0755\DWG\DWG FINAL ENG\MD0755-LANDSCAPE

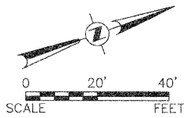
Plotted: June 26, 2009 @ 8:07 AM By: Kris Pung - Tab: 72 Land 22x34

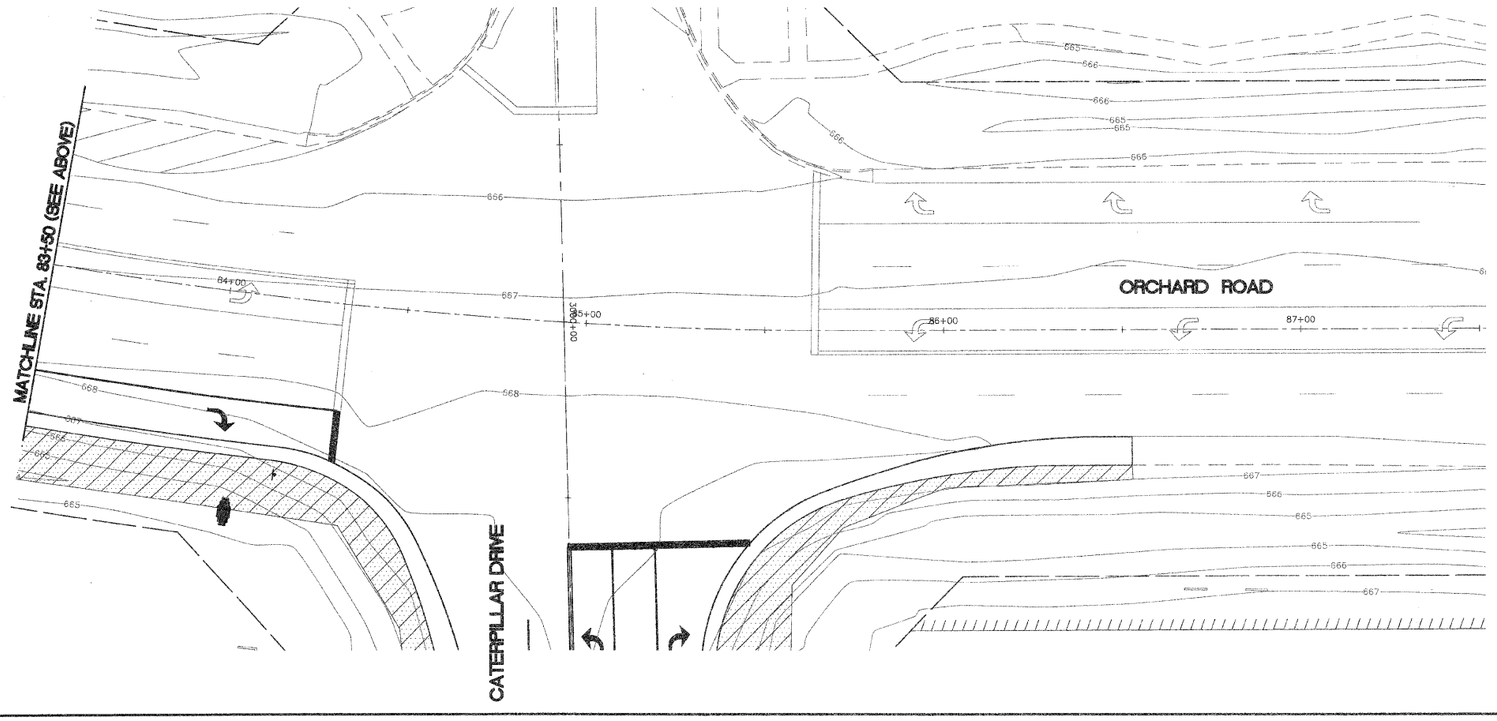
CONTRACT NO. 63207

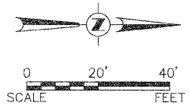
Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	73
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN
SURVEYED BY
ALIGNMENT CHECKED
RT. OF WAY CHECKED
ROAD FILE NAME
NOTE BOOK
NO.
DATE









LEGEND

- CLASS 1A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- CLASS 2A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- PRAIRIE SEEDING (SPECIAL) AND MULCH METHOD 3 (WITH FERTILIZER)
- x HIGH VISIBILITY FENCING
- SF PERIMETER EROSION BARRIER

FERTILIZER REQUIREMENTS

- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)

INLET FILTER

TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL/VEGETATION SUSTAINING SOIL SHALL BE A MINIMUM OF 4".

PROFILE
SURVEYED BY
ALIGNMENT CHECKED
GRADES CHECKED
STA. NOTED
STRUCTURE NOTATNS CK'KD
NOTE BOOK
NO.
DATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD LANDSCAPING AND EROSION CONTROL PLAN

SCALE:
DRAWN BY: KKP
DATE: 03-26-09
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:07 AM By: Kris Pung - Tab: 73 Land 22x34

Path: N:\SDSKPROJ\MC07755\DWG\DWG FINAL ENG\MC07755-LANDSCAPE

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	74
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN	BY	DATE
SURVEYED		
DRAWN		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NOTE BOOK		
NO.		
ROAD FILE NAME		

PROFILE	BY	DATE
SURVEYED		
DRAWN		
GRADES CHECKED		
B.M. NOTED		
NOTE BOOK	STRUCTURE NO'S/ITEMS CK'KD	
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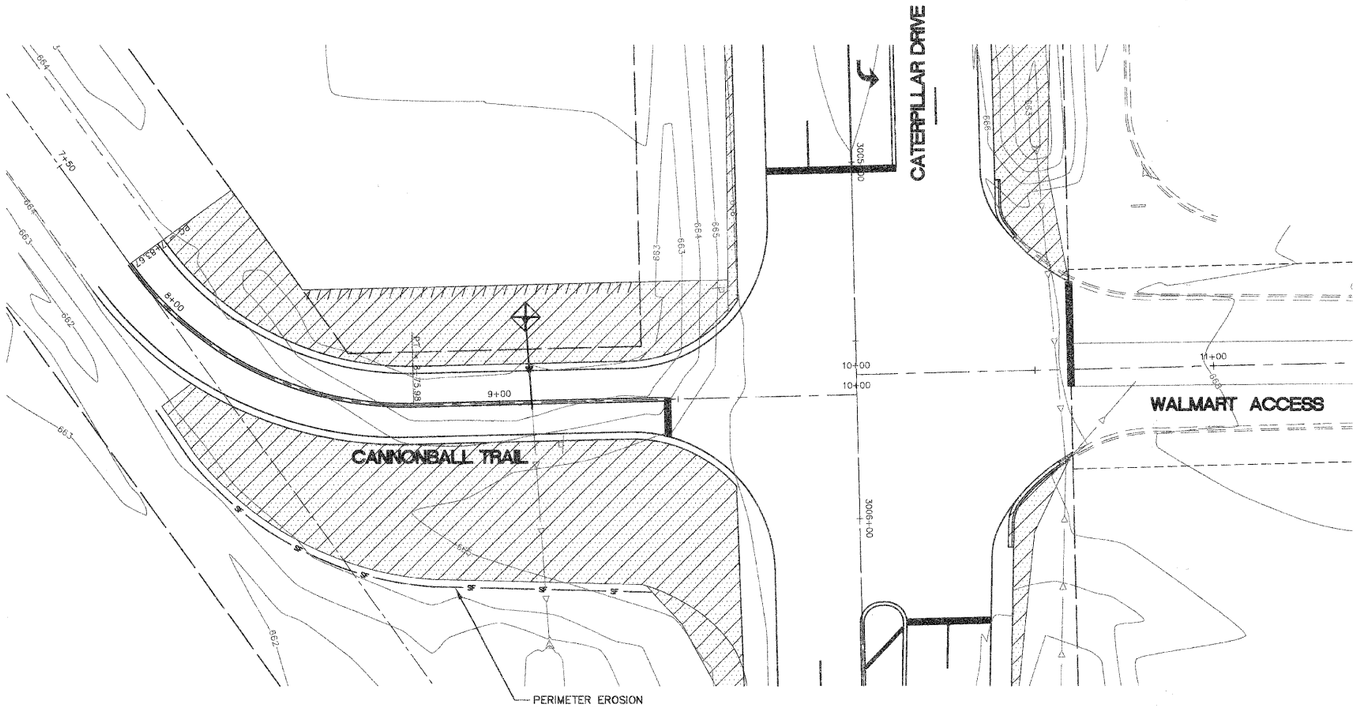

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SCALE FEET

LEGEND

- CLASS 1A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- CLASS 2A SEEDING AND MULCH METHOD 3 (WITH FERTILIZER)
- PRAIRIE SEEDING (SPECIAL) AND MULCH METHOD 3 (WITH FERTILIZER)
- x —— HIGH VISIBILITY FENCING
- SF —— PERIMETER EROSION BARRIER

FERTILIZER REQUIREMENTS

- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)

- INLET FILTER
- TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL/VEGETATION SUSTAINING SOIL SHALL BE A MINIMUM OF 4".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CANNONBALL TRAIL LANDSCAPING AND EROSION CONTROL PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:08 AM By: Kris Pung - Tab: 74 Land 22x34

Path: H:\SSSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-LANDSCAPE

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	75
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN | SURVEYED | DRAWN | ALIGNMENT CHECKED | GRADES CHECKED | BM. NOTED | STRUCTURE NO(S)/FNS CHKD | NOTE BOOK | NO. | BY | DATE

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

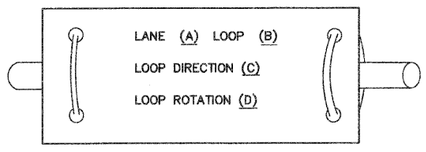
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

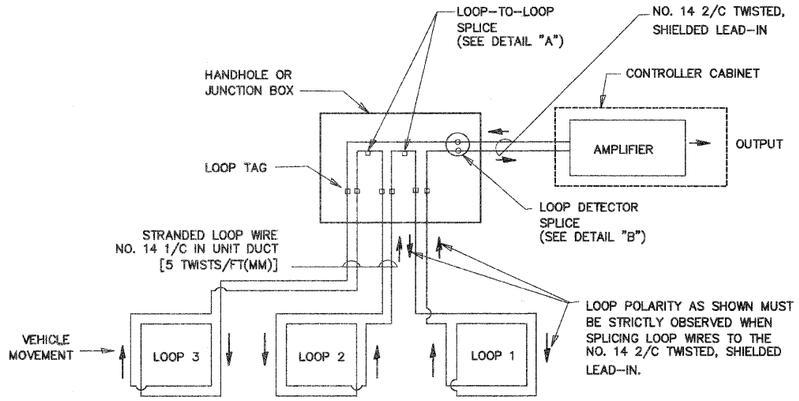


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

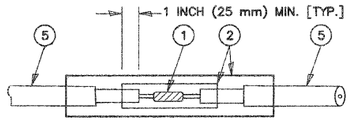
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

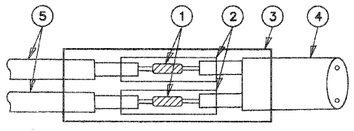


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS — DRAWN BY: KKP

DATE: 03-26-09 — CHECKED BY: TVW

PROFILE | SURVEYED | DRAWN | ALIGNMENT CHECKED | GRADES CHECKED | BM. NOTED | STRUCTURE NO(S)/FNS CHKD | NOTE BOOK | NO. | BY | DATE

Plotted: June 26, 2009 @ 8:17 AM By: Kris Pung - Tab: 75 Sig Dets 22x34

Path: H:\SIGSHP\07\WC0735\DWG\DWG FINAL ENG\WC0735-SIGDETS

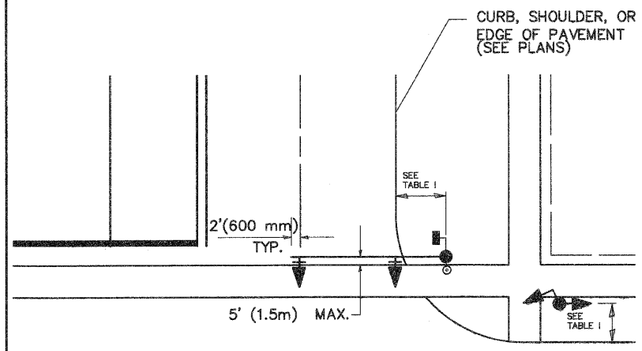
CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	76
	STA.		TO STA.		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

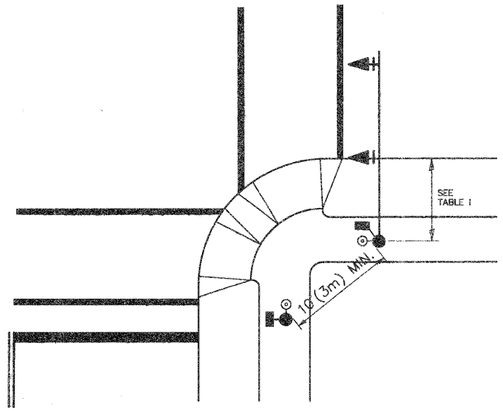
PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT.-OF-WAY CHECKED | NOTE BOOK | CADD FILE NAME | NO. | BY | DATE

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

1. AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

   AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

   PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

   A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.

   B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.

   C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

   D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).

   E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK

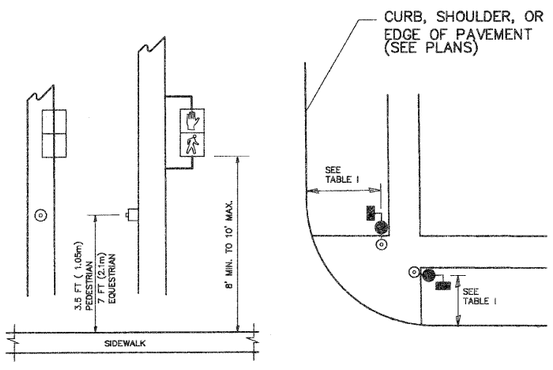
2. PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.

3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.

4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION



PROFILE | SURVEYED | PLOTTED | GRADES CHECKED | E.M. NOTED | STRUCTURE NO.(ATN'S CH'KD | NOTE BOOK | NO. | BY | DATE

TABLE 1

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS | DRAWN BY: KKP

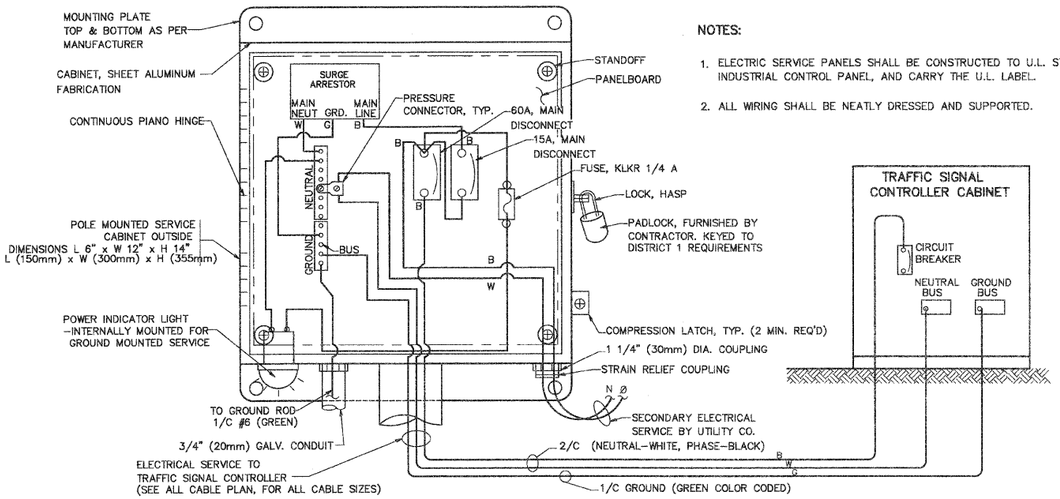
DATE: 03-26-09 | CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:17 AM By: Kris Pung - Tab: 76 Sig Dets 22x34

Path: N:\SIGSPROJ\M007555\DWG\DWG FINAL ENG\M007555-SIGDETS

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	77
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



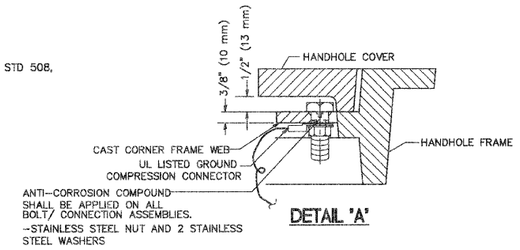
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

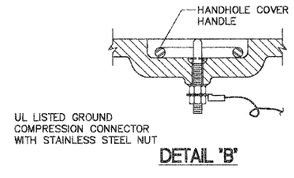
(NOT TO SCALE)

NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



DETAIL 'A'

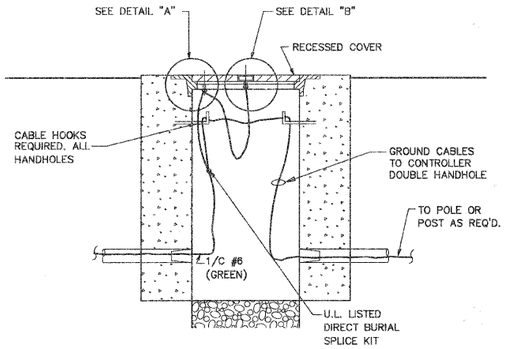


DETAIL 'B'

NOTES:

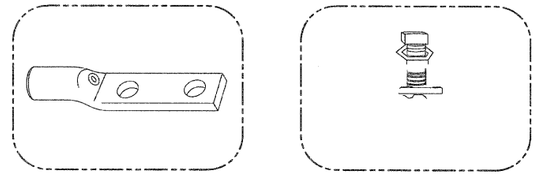
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



HANDHOLE COVER + FRAME - GROUNDING DETAIL

(NOT TO SCALE)

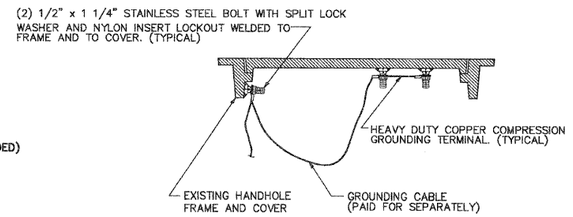


HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)

3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

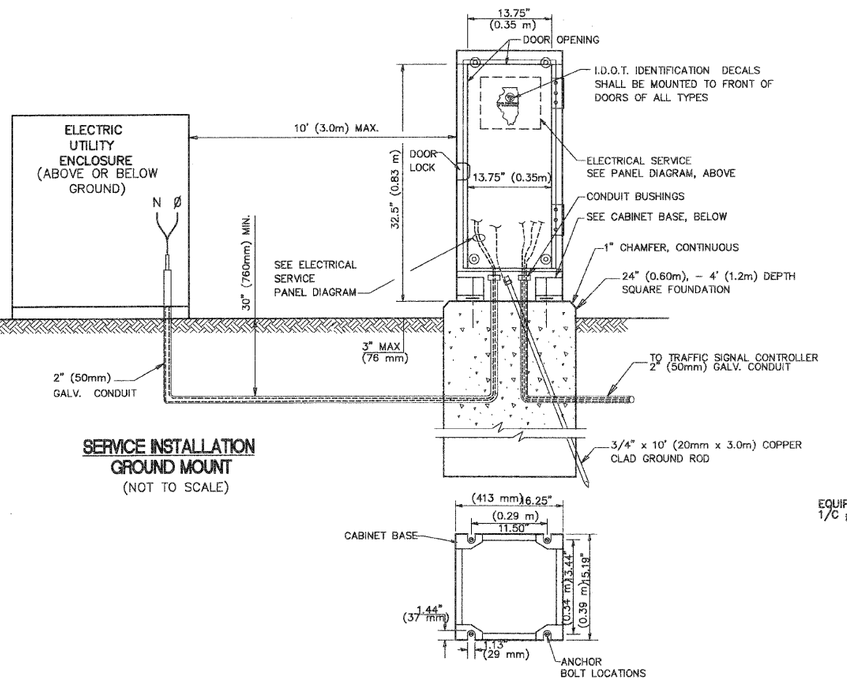
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER + FRAME - GROUNDING DETAIL

(NOT TO SCALE)

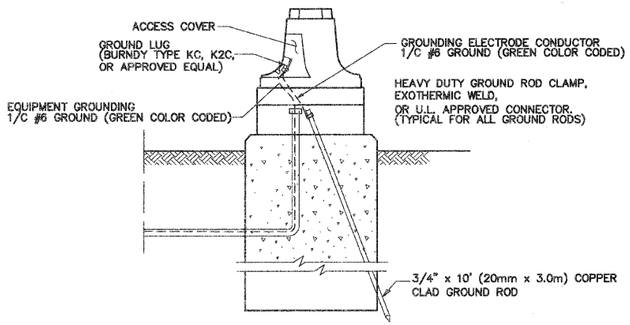


SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)

CABINET - BASE BOLT PATTERN

(NOT TO SCALE)



MAST ARM POLE / POST-GROUNDING DETAIL

(NOT TO SCALE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS — DRAWN BY: KKP

DATE: 03-26-09 — CHECKED BY: TVW

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / LOAD FILE NAME / NOTE BOOK / NO. / BY / DATE

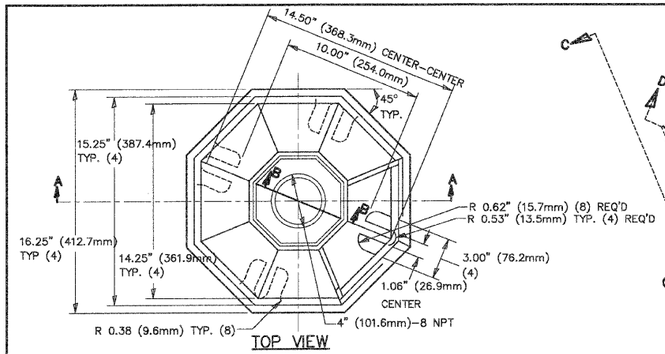
PROFILE — SURVEYED / DRAWN / GRADES CHECKED / BM. NOTED / STRUCTURE NO/FA/MS CK'KD / BY / DATE

Plotted: June 26, 2009 @ 8:17 AM By: Kris Pung - Tab: 77 Sig Dets 22x34

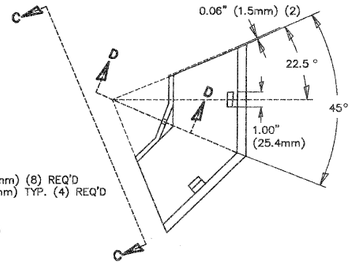
Path: n:\SIS\PROJ\M00755\DWG\DWG FINAL ENG\M00755-SIGDETS

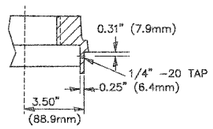
CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	78
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

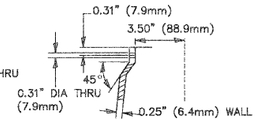


TOP VIEW

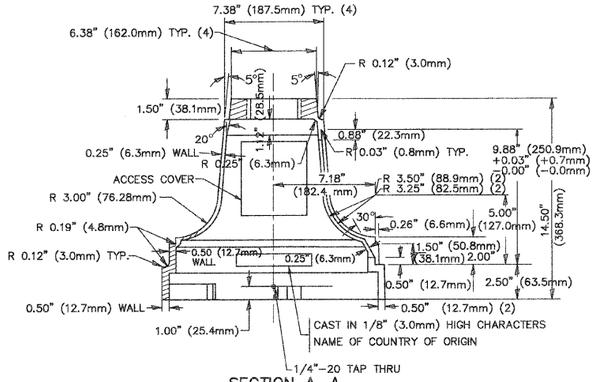




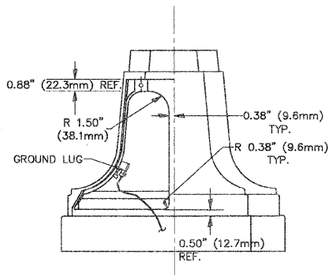
SECTION B-B



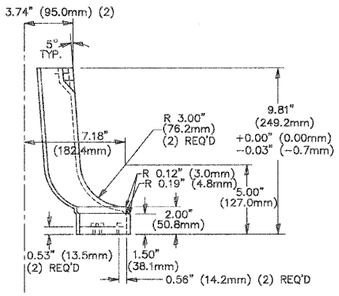
SECTION D-D



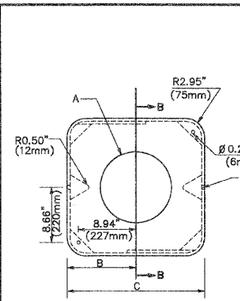
SECTION A-A

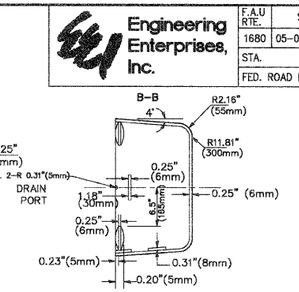


VIEW C-C



TRAFFIC SIGNAL POST -- MOUNTING BASE -- TYPE A



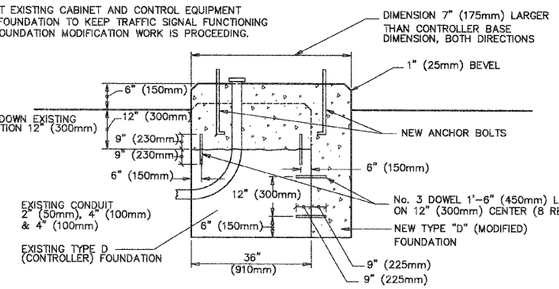


MATERIAL:
- ASTM A48 CLASS 30 GREY IRON
- ASTM A123 HOT DIPPED GALVANIZED

TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125"(257mm)	9.5"(241mm)	19"(483mm)	12" (300mm)	24kg
II	Ø 11.125"(283mm)	10.75"(273mm)	21.5"(546mm)	12" (300mm)	28kg

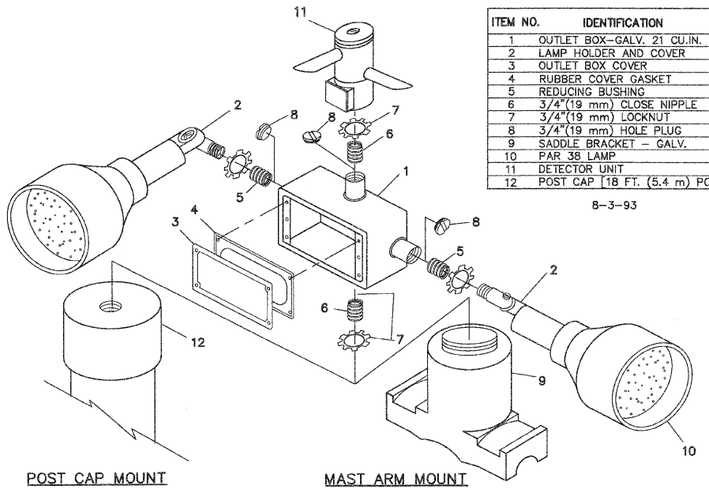
SHROUD DETAIL

NOTE:
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



POST CAP MOUNT MAST ARM MOUNT

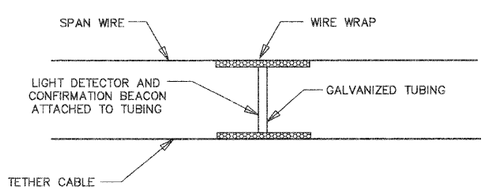
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX-GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

8-3-93

NOTES:

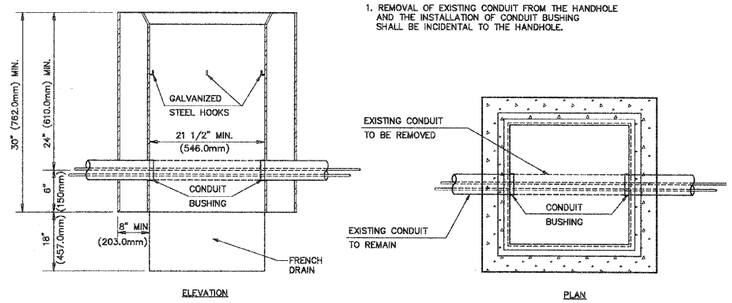
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)

NOTES:
1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



ELEVATION PLAN

DETAIL
HANDHOLE TO INTERCEPT EXISTING CONDUIT
N.T.S.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS DRAWN BY: KKP
DATE: 03-26-09 CHECKED BY: TVW

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, R/W STAKED, NOTE BOOK, NO.; BY, DATE
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BM. NOTED, STRUCTURE NO.; BY, DATE

Plotted: June 26, 2009 @ 8:18 AM By: Kris Purg - Tab: 78 Sig Dets 22x34

Path: H:\SIGSPROJ\M007755\DWG\DWG FINAL ENG\M007755-SIGSETS

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	79
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

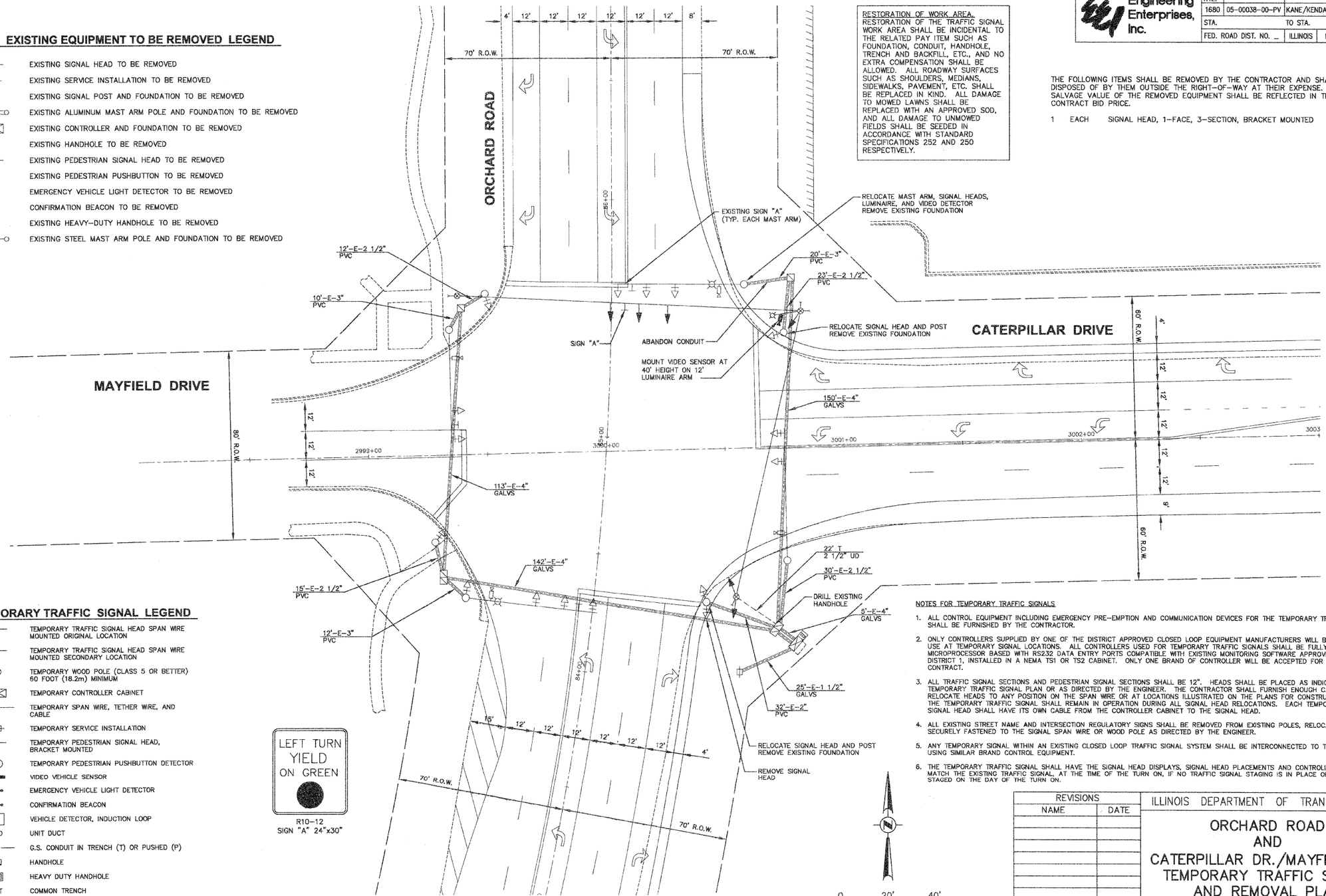
EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- "E" EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- "E" EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1 EACH SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED



LEFT TURN YIELD ON GREEN

R10-12
SIGN "A" 24"x30"

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 60 FOOT (18.2m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- VIDEO VEHICLE SENSOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- UD UNIT DUCT
- G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
- HANDHOLE
- HEAVY DUTY HANDHOLE
- CT COMMON TRENCH
- DOWN GUY

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC SIGNAL STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD AND CATERPILLAR DR./MAYFIELD DR. TEMPORARY TRAFFIC SIGNAL AND REMOVAL PLAN

SCALE: DRAWN BY: KKP

DATE: 03-26-09 CHECKED BY: TVW

PLAN: SURVEYED / DRAWN / ALIGNMENT CHECKED / GRADES CHECKED / R.O.W. NOTED / STRUCTURE NO(S)TATIONS CHKD / NOTE BOOK / NO. / BY / DATE / CROSS FILE NAME

PROFILE: SURVEYED / DRAWN / ALIGNMENT CHECKED / GRADES CHECKED / R.M. NOTED / STRUCTURE NO(S)TATIONS CHKD / NOTE BOOK / NO. / BY / DATE

Plotted: June 26, 2009 @ 7:54 AM By: Kris Pung - Tdc: 79 Temp Signal 22x34

Path: H:\SDSKPROJ\MC0755\DWG\DWG FINAL ENG\MC0755-TEMPSIGPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	80
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / ROAD / FILE NAME / NOTE BOOK / NO. / BY / DATE

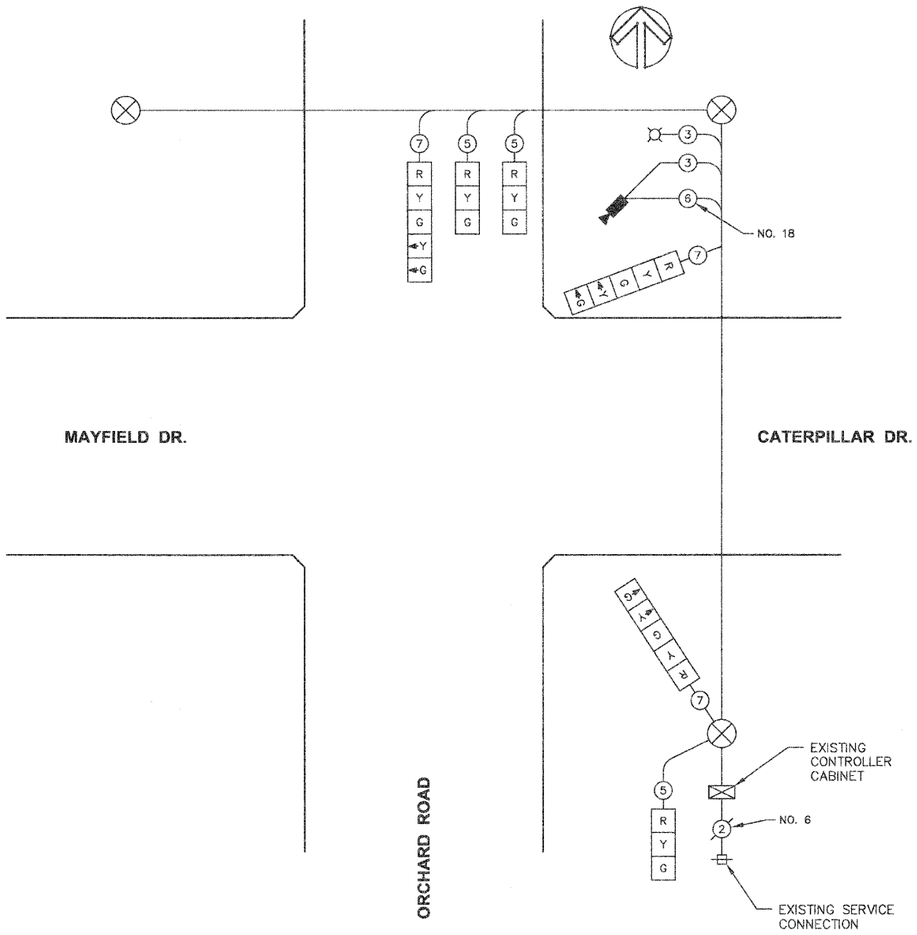
PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / PVI/STORE NOTATNS CKD / NOTE BOOK / NO. / BY / DATE

TEMPORARY CABLE DIAGRAM LEGEND

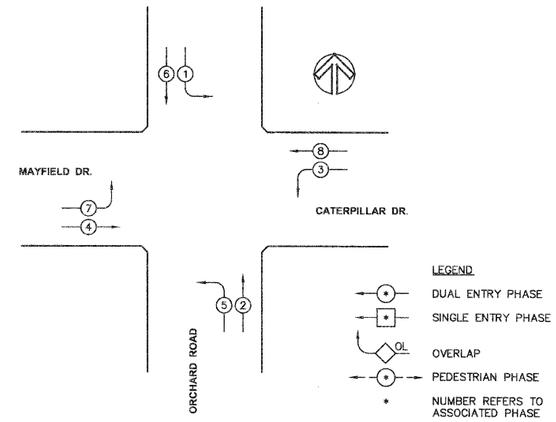
- R — TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- MC — TEMPORARY MASTER CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- (5) — INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- (24) — TEMPORARY INTERCONNECT CABLE NO 62.5/1250 MM 12F AND SM 12F FIBER OPTIC CABLE
- EMERGENCY VEHICLE DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO VEHICLE SENSOR
- T — TELEPHONE CONNECTION
- LUMINAIRE 250 WATT, 120 V SODIUM VAPOR

TEMPORARY CABLE PLAN

N.T.S.



TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD AND CATERPILLAR DR./MAYFIELD DR. TEMPORARY SIGNAL CABLE PLAN, PHASE DESIGNATION DIAGRAM

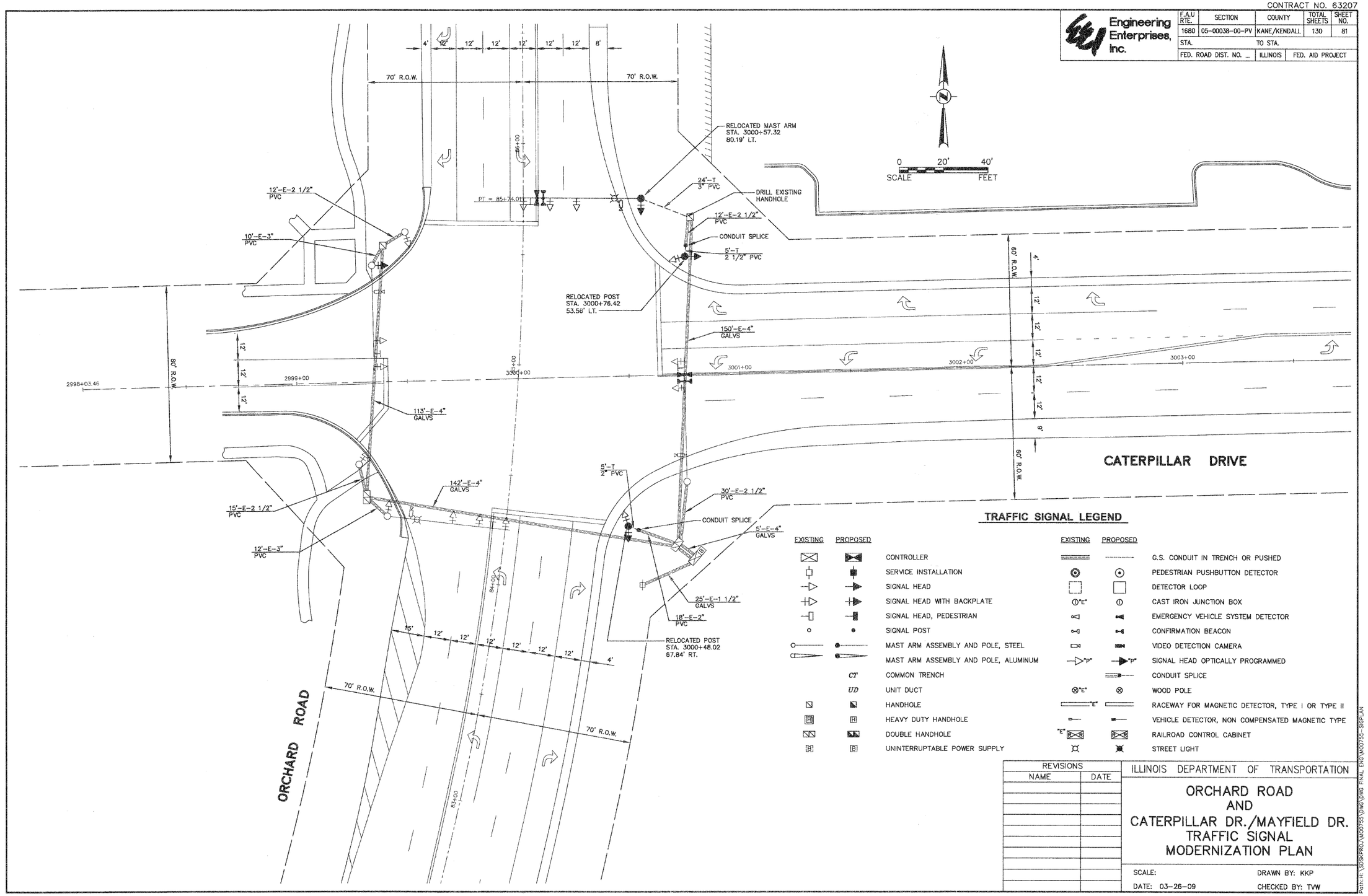
SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 7:54 AM By: Kris Pung — Tdn: 80 Temp Cable 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-TEMPSIGPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	81
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



TRAFFIC SIGNAL LEGEND

EXISTING	PROPOSED		EXISTING	PROPOSED	
		CONTROLLER			G.S. CONDUIT IN TRENCH OR PUSHED
		SERVICE INSTALLATION			PEDESTRIAN PUSHBUTTON DETECTOR
		SIGNAL HEAD			DETECTOR LOOP
		SIGNAL HEAD WITH BACKPLATE	"E"		CAST IRON JUNCTION BOX
		SIGNAL HEAD, PEDESTRIAN			EMERGENCY VEHICLE SYSTEM DETECTOR
		SIGNAL POST			CONFIRMATION BEACON
		MAST ARM ASSEMBLY AND POLE, STEEL			VIDEO DETECTION CAMERA
		MAST ARM ASSEMBLY AND POLE, ALUMINUM	"P"	"P"	SIGNAL HEAD OPTICALLY PROGRAMMED
	CT	COMMON TRENCH			CONDUIT SPLICE
	UD	UNIT DUCT	"E"		WOOD POLE
		HANDHOLE	"E"		RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
	H	HEAVY DUTY HANDHOLE			VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
		DOUBLE HANDHOLE	"E"		RAILROAD CONTROL CABINET
P	P	UNINTERRUPTABLE POWER SUPPLY			STREET LIGHT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD AND CATERPILLAR DR./MAYFIELD DR. TRAFFIC SIGNAL MODERNIZATION PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / NOTE BOOK / NO. / BY / DATE / CADD FILE NAME

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / B.M. NOTED / NOTE BOOK / NO. / BY / DATE / STRUCTURE NO.&TYPE CK'KD

Plotted: June 26, 2009 @ 8:21 AM By: Kris Pung - Tab: 81 SigPlan 22x34

Path: H:\SDSKPROJ\M007755\DWG\DWG FINAL ENG\M007755-SIGPLAN

CONTRACT NO. 63207

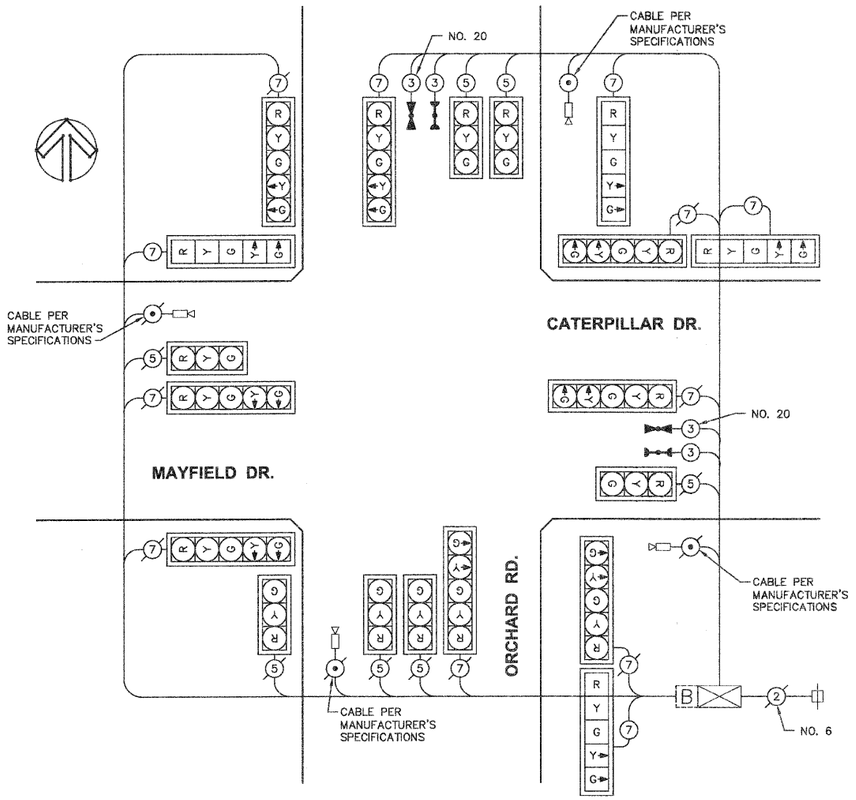
Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	82
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN — DATE / BY / SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / PLOT FILE NAME / NOTE BOOK / NO.

PROFILE — DATE / BY / SURVEYED / DRAWN / GRADES CHECKED / BEN. NOTED / STRUCTURE NO(S)/PINS CKD

CABLE PLAN

N.T.S.



CABLE PLAN LEGEND

EXISTING	PROPOSED	
G	G	8" (200mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMERS
		CONTROLLER CABINET
		SERVICE INSTALLATION
T	T	TELEPHONE CONNECTION
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		VIDEO VEHICLE SENSOR
		PUSHBUTTON DETECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
(2)	(2)	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
R Y G Y G "P"	R Y G Y G "P"	SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD
RC	RC	RAILROAD CONTROL CABINET
E	E	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
E	E	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
G/C	G/C	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H) OR CONTROLLER (C)
G/P	G/P	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
G/S	G/S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
(1)	(1)	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
(24)	(24)	NO.62.5/125 MM 12F & SM 12F, FIBER OPTIC CABLE
(36)	(36)	NO.62.5/125 MM 24F & SM 12F, FIBER OPTIC CABLE
B	B	UNINTERRUPTIBLE POWER SUPPLY

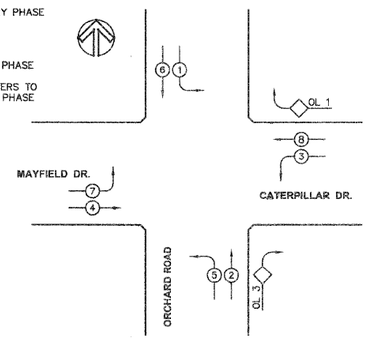
SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
10	FOOT	CONDUIT IN TRENCH, 2" DIA., PVC
20	FOOT	CONDUIT IN TRENCH, 3" DIA., PVC
2	EACH	CONDUIT SPLICE
265	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10
34	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
411	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
532	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1123	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
411	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3/C, TWISTED, SHIELDED
8	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
15	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
2	EACH	DRILL EXISTING HANDHOLE
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
2	EACH	RELOCATE EXISTING TRAFFIC SIGNAL POST
1	EACH	RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE
1	EACH	MODIFY EXISTING CONTROLLER
1290	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
3	EACH	REMOVE EXISTING CONCRETE FOUNDATION

CONTROLLER SEQUENCE

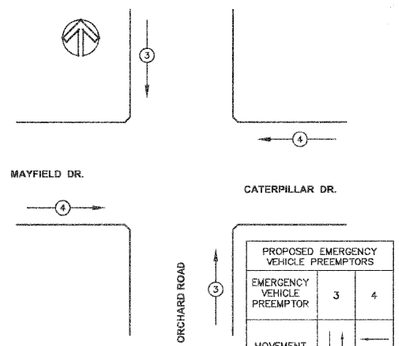
N.T.S.

LEGEND
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE



EMERGENCY VEHICLE PREEMPTION SEQUENCE

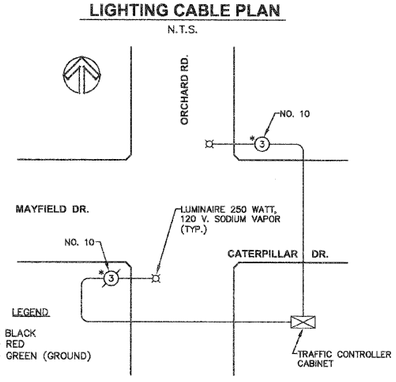
N.T.S.



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓	←

LIGHTING CABLE PLAN

N.T.S.



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	19		10	0.50	95
(YELLOW)	19		19	0.25	90.25
(GREEN)	19		11	0.25	52.25
ARROW	24		10	0.10	24
PED. SIGNAL	–		–	1.00	–
CONTROLLER	1		100	1.00	100
ILLUM. SIGN	–		–	0.05	–
BATTERY BACKUP	1		25	1.00	25
LUMINAIRE	2	250		0.50	250
FLASHER				0.50	
			TOTAL =		636.50

ENERGY COST — BILLED TO: KENDALL COUNTY HIGHWAY DEPT.
(ADDRESS) 6780 IL. RTE 47, YORKVILLE, IL 60560

ENERGY SUPPLY — CONTACT: MARK SCHERIBEL
PHONE: 630-862-5160
COMPANY: COMED

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A – POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.1)
D – CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2 =
E – M ARM POLE		SIGNAL POST	2 (1.0)		(6.1+L-1.0)=
< 30' MA 30" DIA.	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
< 40' MA 30" DIA.	13.5 (4.1)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
< 40' MA 36" DIA.	11 (3.4)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
< 50' MA 36" DIA	13 (4.0)	GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
> 50' MA 36" DIA.	15 (4.6)			POST MOUNTED	6 (1.8)

PHASE DESIGNATION DIAGRAM

REVISIONS NAME	REVISIONS DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD AND CATERPILLAR DR./MAYFIELD DR. CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES

SCALE: DRAWN BY: KKP

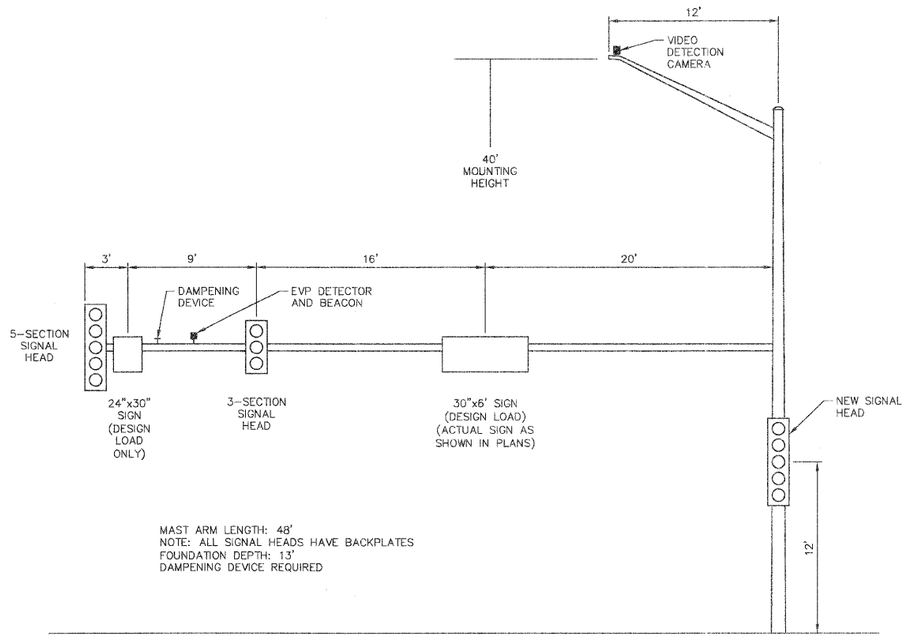
DATE: 03-26-09 CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:21 AM By: Kris Pung – Tab: 82 Cable Plan 22x34

Path: H:\SIS\PROJ\M007755\DWG\DWG FINAL ENG\M007755-SIGPLAN

CONTRACT NO. 63207

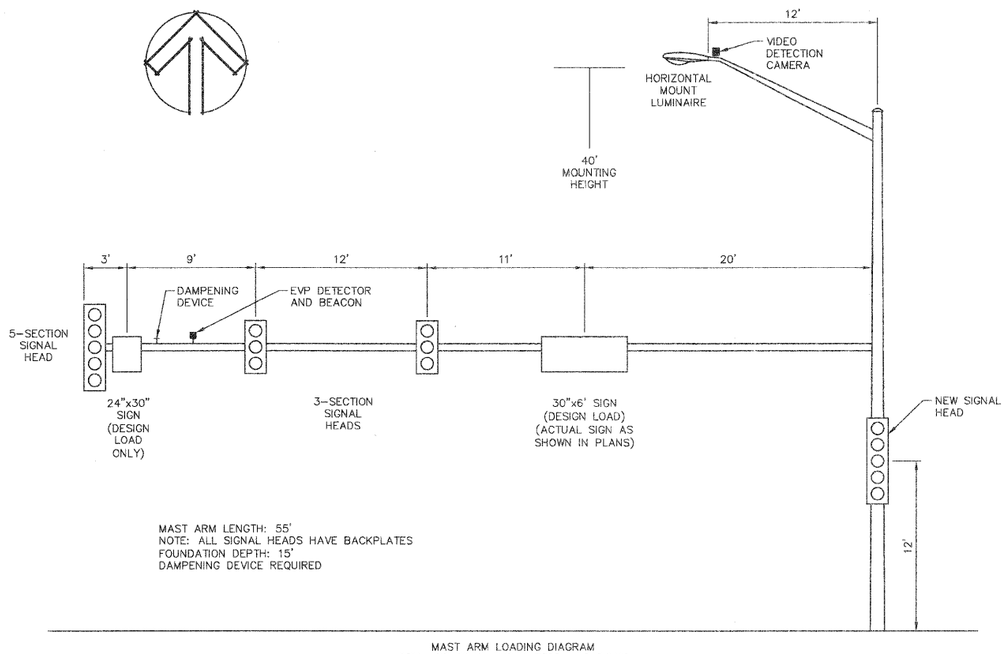
Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	83
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



MAST ARM LENGTH: 48'
NOTE: ALL SIGNAL HEADS HAVE BACKPLATES
FOUNDATION DEPTH: 13'
DAMPENING DEVICE REQUIRED

MAST ARM LOADING DIAGRAM
ORCHARD ROAD AND CATERPILLAR DRIVE
NORTHWEST QUADRANT

NOTE:
ALL SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.



MAST ARM LENGTH: 55'
NOTE: ALL SIGNAL HEADS HAVE BACKPLATES
FOUNDATION DEPTH: 15'
DAMPENING DEVICE REQUIRED

MAST ARM LOADING DIAGRAM
ORCHARD ROAD AND CATERPILLAR DRIVE
NORTHEAST QUADRANT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD AND CATERPILLAR DR./MAYFIELD DR. RELOCATED MAST ARM DETAIL

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, ROAD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ENG. NOTES, STRUCTURE NO(S)/FNS CK'KD, BY, DATE

Plotted: June 26, 2009 @ 8:21 AM By: Kris Pung - Tab: 83 MA Detail 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-SIGPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	84
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

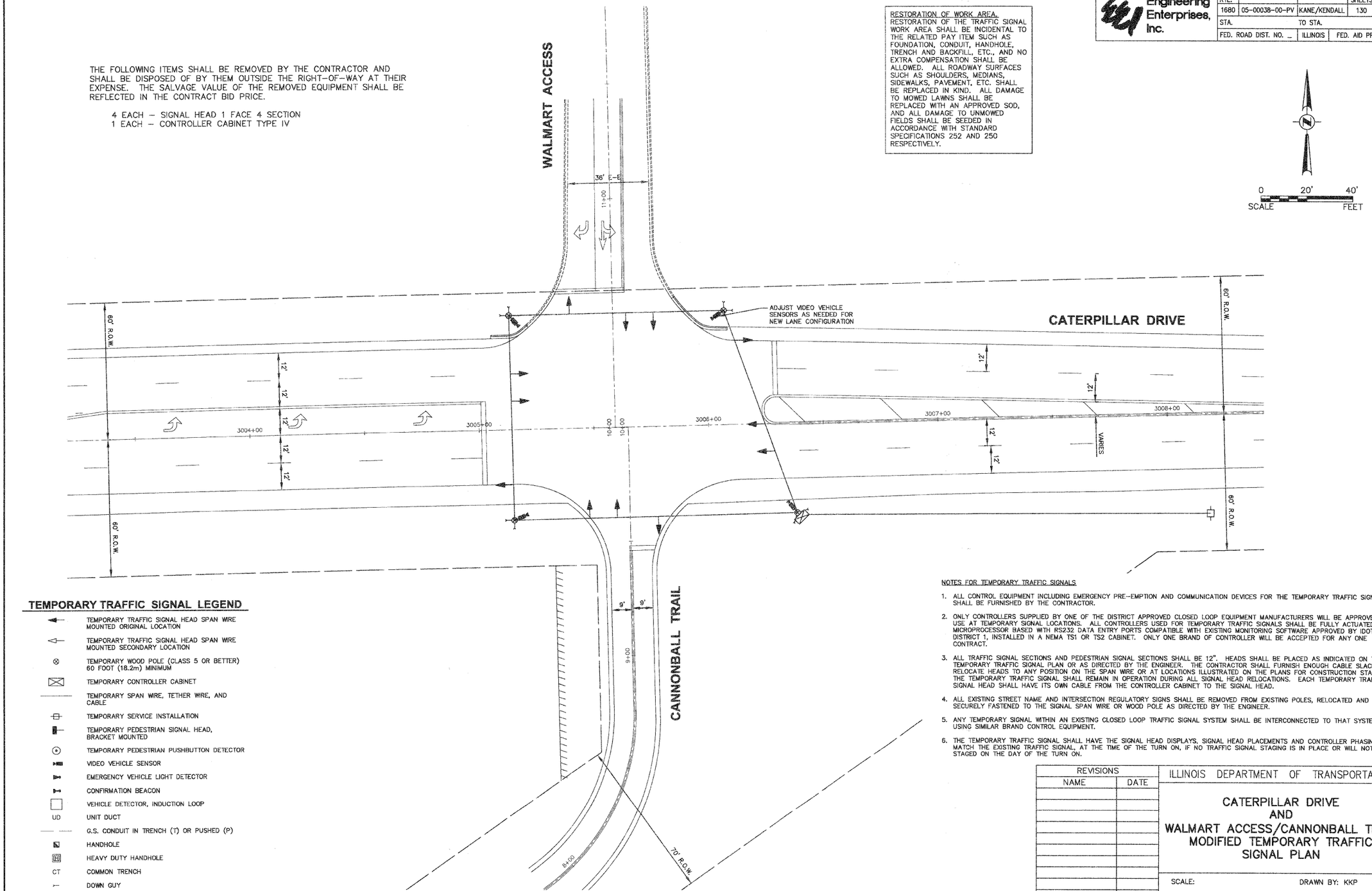
PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF W'AY CHECKED / DGN FILE NAME ___ / NOTE BOOK ___ / NO. ___ — BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NO(RAT'NG CK'KD) — BY / DATE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH – SIGNAL HEAD 1 FACE 4 SECTION
1 EACH – CONTROLLER CABINET TYPE IV

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



0 20' 40'
SCALE FEET

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 60 FOOT (18.2m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- VIDEO VEHICLE SENSOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- UD — UNIT DUCT
- G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
- HANDHOLE
- HEAVY DUTY HANDHOLE
- CT — COMMON TRENCH
- DOWN GUY

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC SIGNAL STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE AND WALMART ACCESS/CANNONBALL TRAIL MODIFIED TEMPORARY TRAFFIC SIGNAL PLAN

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 7:55 AM By: Kris Pung – Tdc: 84 Temp Signal 22x34

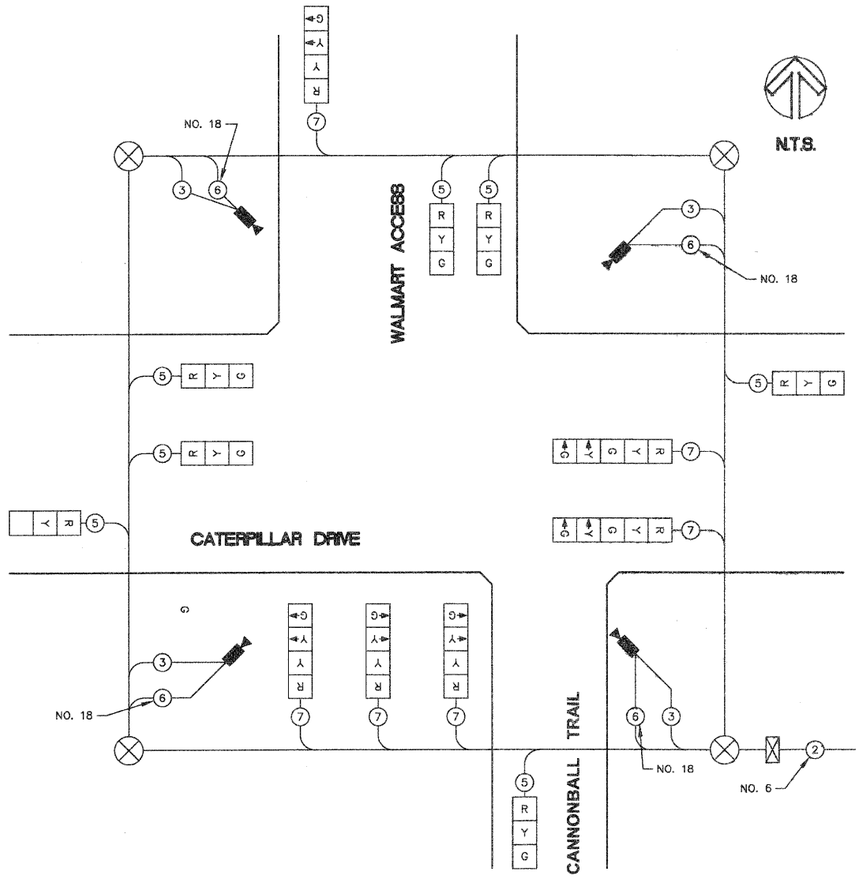
Path: H:\SDSPROJ\M007755\DWG\DWG FINAL ENG\M007755-FUTURESIGPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	85
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

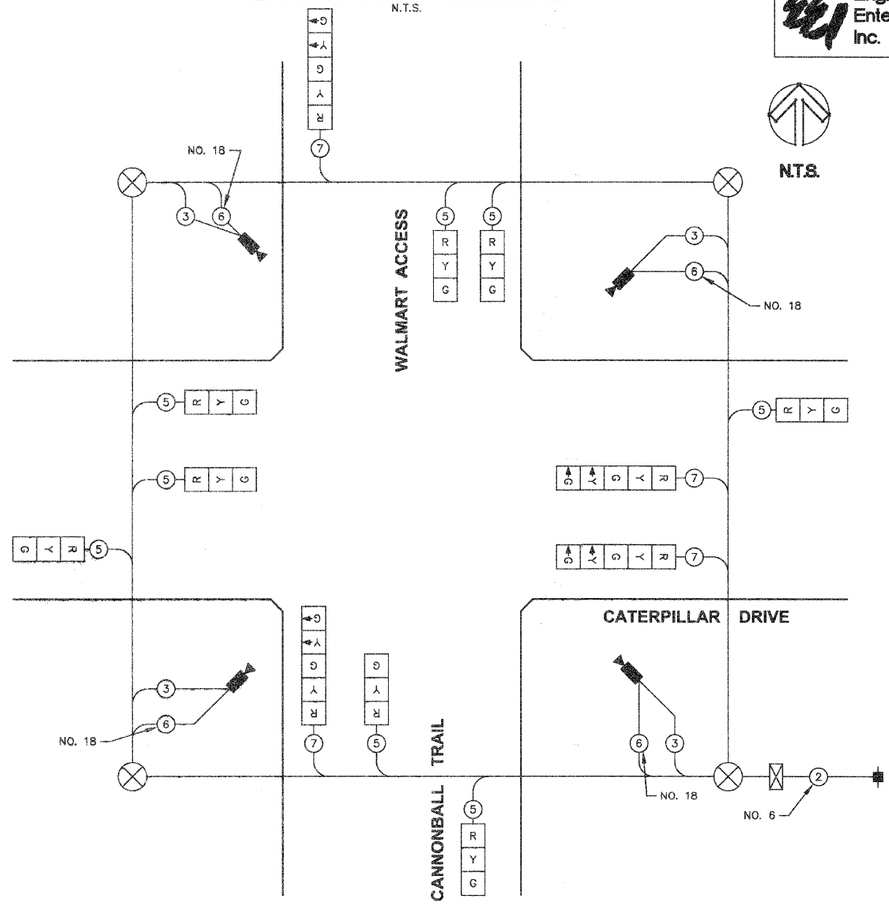
EXISTING TEMPORARY CABLE PLAN

N.T.S.



MODIFIED TEMPORARY CABLE PLAN

N.T.S.



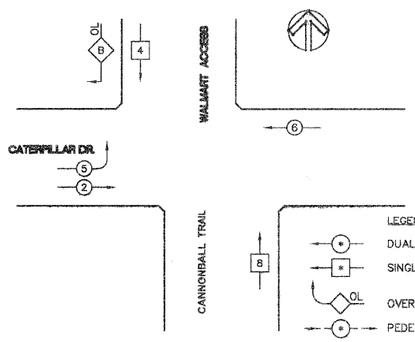
TEMPORARY CABLE DIAGRAM LEGEND

- R — TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (5) — INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO VEHICLE SENSOR

PLAN — SURVEYED | DRAWN | ALIGNMENT CHECKED | R.T. OF W'AY CHECKED | ROAD FILE NAME | NOTE BOOK | NO. | DATE | BY

PROFILE — SURVEYED | DRAWN | GRADES CHECKED | E.L.M. NOTED | STRUCTURE NO(S)/ATN'S CK'KD | NOTE BOOK | NO. | DATE | BY

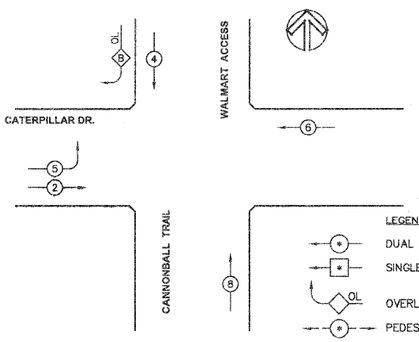
EXISTING CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

MODIFIED CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	12	135		0.50	810.00
(YELLOW)	12	135		0.25	405.00
(GREEN)	12	135		0.25	405.00
ARROW	8	135		0.10	108.00
PED. SIGNAL	–	90		1.00	–
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN	–	84		0.05	–
FLASHER				0.50	–
				TOTAL =	1828.00

ENERGY COST – BILLED TO: (ADDRESS) VILLAGE OF MONTGOMERY, 200 N. RIVER STREET, MONTGOMERY, IL 60538

ENERGY SUPPLY – CONTACT: MARK SCHIERIBEL, PHONE: 630-862B-5160, COMPANY: COMED

SCHEDULE OF QUANTITIES

1	EACH	MODIFY TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	MAINTENANCE OF EXISTING TEMPORARY TRAFFIC SIGNAL

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE AND WALMART ACCESS/CANNONBALL TRAIL MODIFIED TEMPORARY SIGNAL CABLE PLAN, PHASE DESIGNATION DIAGRAM, SEQUENCE OF OPERATION, AND SCHEDULE OF QUANTITIES

SCALE: DRAWN BY: KKP

DATE: 03-26-09 CHECKED BY: TVW

Plotted: June 26, 2009 @ 7:00 AM By: Kris Pung – Tool: 85 Temp Cable 22x34

Path: N:\SIGSPROJ\W007755\DWG\DWG FINAL END\W007755-FUTURESIGPLAN

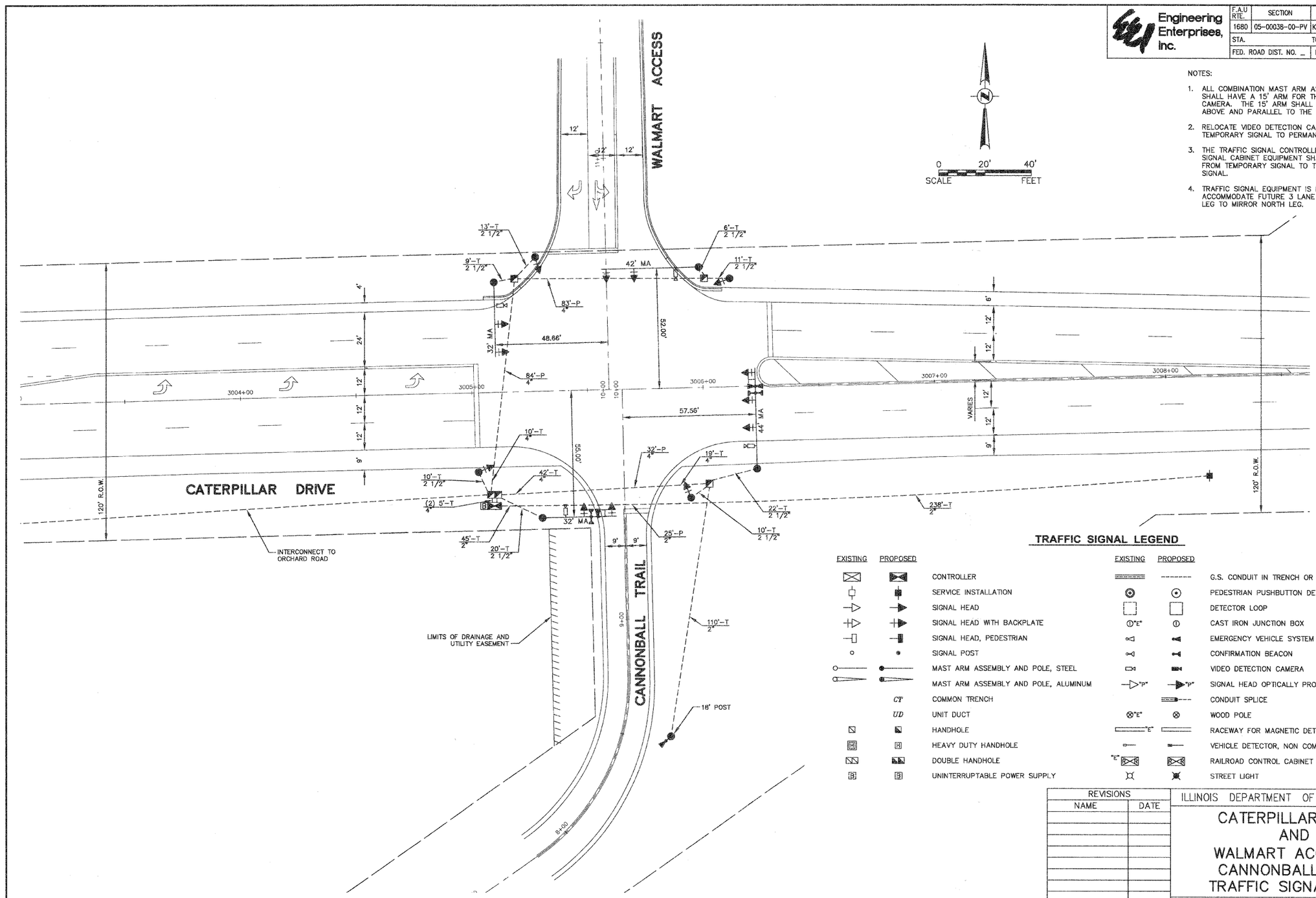
CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	86
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

NOTES:

1. ALL COMBINATION MAST ARM ASSEMBLIES AND POLES SHALL HAVE A 15' ARM FOR THE VIDEO DETECTION CAMERA. THE 15' ARM SHALL BE ALIGNED DIRECTLY ABOVE AND PARALLEL TO THE MAST ARM.
2. RELOCATE VIDEO DETECTION CAMERAS FROM TEMPORARY SIGNAL TO PERMANENT SIGNAL.
3. THE TRAFFIC SIGNAL CONTROLLER AND RELATED SIGNAL CABINET EQUIPMENT SHALL BE RELOCATED FROM TEMPORARY SIGNAL TO THE PERMANENT SIGNAL.
4. TRAFFIC SIGNAL EQUIPMENT IS LOCATED TO ACCOMMODATE FUTURE 3 LANE SECTION ON SOUTH LEG TO MIRROR NORTH LEG.



TRAFFIC SIGNAL LEGEND

EXISTING	PROPOSED		EXISTING	PROPOSED	
⊠	⊠	CONTROLLER	═══	- - - - -	G.S. CONDUIT IN TRENCH OR PUSHED
▭	▪	SERVICE INSTALLATION	◎	⊙	PEDESTRIAN PUSHBUTTON DETECTOR
→	→	SIGNAL HEAD	▭	▭	DETECTOR LOOP
→	→	SIGNAL HEAD WITH BACKPLATE	ⓘ"E"	ⓘ	CAST IRON JUNCTION BOX
→	→	SIGNAL HEAD, PEDESTRIAN	⋈	⋈	EMERGENCY VEHICLE SYSTEM DETECTOR
○	●	SIGNAL POST	⋈	⋈	CONFIRMATION BEACON
○———	●———	MAST ARM ASSEMBLY AND POLE, STEEL	▭	▭	VIDEO DETECTION CAMERA
○———	●———	MAST ARM ASSEMBLY AND POLE, ALUMINUM	→"P"	→"P"	SIGNAL HEAD OPTICALLY PROGRAMMED
	CT	COMMON TRENCH			CONDUIT SPLICE
	UD	UNIT DUCT	⊗"E"	⊗	WOOD POLE
▨	▨	HANDHOLE	═══"E"	═══	RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
▦	▦	HEAVY DUTY HANDHOLE	▭—	▭—	VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
▨▨	▨▨	DOUBLE HANDHOLE	"E" ▣	▣	RAILROAD CONTROL CABINET
[B]	[B]	UNINTERRUPTABLE POWER SUPPLY	☼	☼	STREET LIGHT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE AND WALMART ACCESS / CANNONBALL TRAIL TRAFFIC SIGNAL PLAN

SCALE: DRAWN BY: KKP

DATE: 03-26-09 CHECKED BY: TVW

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.T. OF WAY CHECKED / ROAD PLS. MADE / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / S.M. NOTED / STRUCTURE NO'S CHKD / NOTE BOOK / NO. / BY / DATE

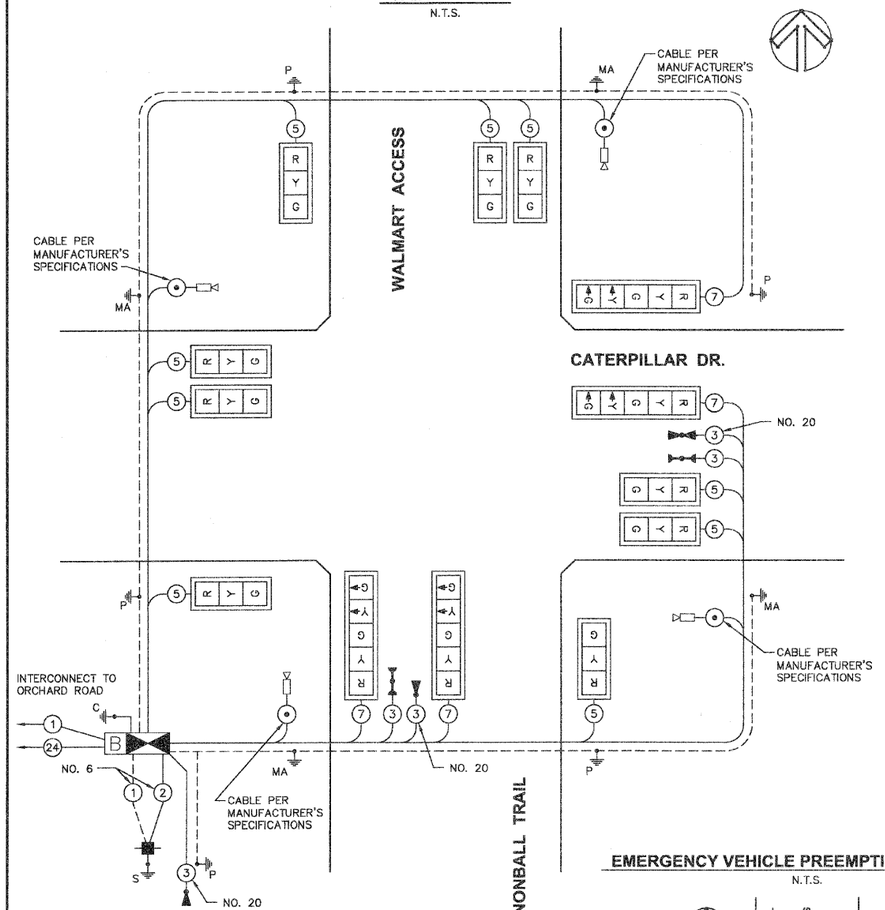
Plotted: June 26, 2009 @ 8:21 AM By: Kris Pung - Tdo: 86 SigPlan 22x34

Path: H:\SIGPROJ\W007735\DWG\DWG FINAL ENG\W007735-SIGPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	87
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

CABLE PLAN
N.T.S.



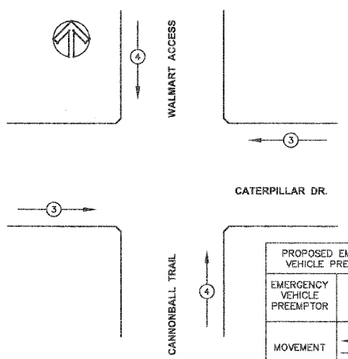
CABLE PLAN LEGEND

EXISTING	PROPOSED	
G	G	8" (200mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMERS
		CONTROLLER CABINET
		SERVICE INSTALLATION
T	T	TELEPHONE CONNECTION
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		VIDEO VEHICLE SENSOR
		PUSHBUTTON DETECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
2	2	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
R Y G "P"	R Y G "P"	SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD
"E"	"E"	RAILROAD CONTROL CABINET
"E"		ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
"E"		ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
C	C	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H) OR CONTROLLER (C)
P	P	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
1	1	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
24	24	NO.62.5/125 MM 12F & SM 12F, FIBER OPTIC CABLE
36	36	NO.62.5/125 MM 24F & SM 12F, FIBER OPTIC CABLE
B	B	UNINTERRUPTIBLE POWER SUPPLY

SCHEDULE OF QUANTITIES

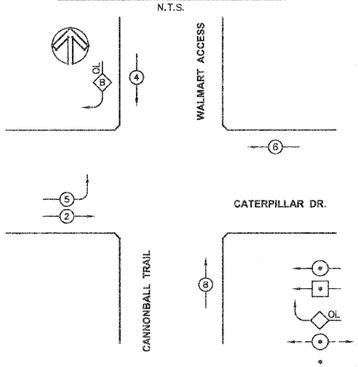
QUANTITY	UNIT	ITEM DESCRIPTION
36	SQ FT	SIGN PANEL – TYPE 1
399	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
101	FOOT	CONDUIT IN TRENCH, 2-1/2" DIA., GALVANIZED STEEL
81	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
25	FOOT	CONDUIT, PUSHED 2" DIA., GALVANIZED STEEL
199	FOOT	CONDUIT, PUSHED 4" DIA., GALVANIZED STEEL
3	EACH	HANDHOLE
1	EACH	DOUBLE HANDHOLE
575	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	CONTROLLER CABINET TYPE V
872	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1627	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
628	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
312	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
4	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.
20	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
60	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
13	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED FORMED PLASTIC
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER
1	EACH	RELOCATE VIDEO VEHICLE DETECTION SYSTEM
1	EACH	SERVICE INSTALLATION – POLE MOUNTED
1	EACH	UNINTERRUPTIBLE POWER SUPPLY

EMERGENCY VEHICLE PREEMPTION SEQUENCE
N.T.S.



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

CONTROLLER SEQUENCE
N.T.S.



LEGEND
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	13		10	0.50	65.00
(YELLOW)	13		19	0.25	61.75
(GREEN)	13		11	0.25	35.75
ARROW	8		10	0.10	8.00
PED. SIGNAL	--		--	1.00	--
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	--		--	0.05	--
BATTERY BACKUP	1		25	1.00	25.00
LUMINAIRE				0.50	
FLASHER				0.50	
			TOTAL =		295.50

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A – POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.1)
D – CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2 =
E – M ARM POLE		SIGNAL POST	2 (1.0)		(6.1+L-1.0)=
36" (900MM)	15 (4.6)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
		FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND POST MOUNTED	13.5 (4.1) 6 (1.8)

ENERGY COST – BILLED TO: (ADDRESS) VILLAGE OF MONTGOMERY, 200 N. RIVER STREET, MONTGOMERY, IL 60538

ENERGY SUPPLY – CONTACT: MARK SCHERIBEL
PHONE: 630-862-5160
COMPANY: COMED

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DRIVE AND WALMART ACCESS/CANNONBALL TRAIL CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

PLAN: DATE | BY | SURVEYED | DRAWN | ALIGNMENT CHECKED | ELEV. OF WAY CHECKED | NOTE BOOK | NO. | ADD'L INFO NAME

PROFILE: DATE | BY | SURVEYED | DRAWN | GRADES CHECKED | B.M. NOTED | STRUCTURE NO(S) | CHKD | NOTATNS CHKD

Plotted: June 26, 2009 @ 8:21 AM By: Kris Pung – Tab: 87 Cable Plan 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-SIGPLAN

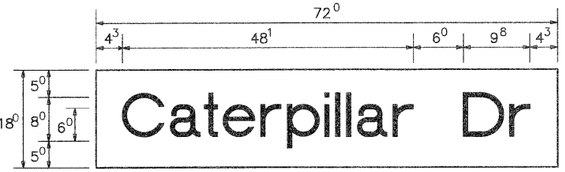
CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	88
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CROSS FILE NAME / NOTE BOOK / NO. — BY / DATE

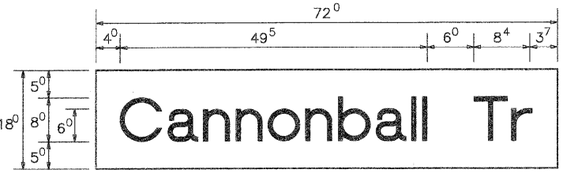
PROFILE — SURVEYED / DRAWN / GRADES CHECKED / B.M. NOTED / STRUCTURE NO(S)/MS CHKD — BY / DATE

PANEL SIGN DESIGN TYPE 1



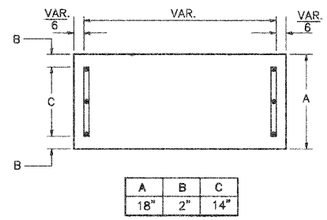
___ Sq. M. each
9.0 Sq. Ft. each
2 Required
Design Series D

PANEL SIGN DESIGN TYPE 1

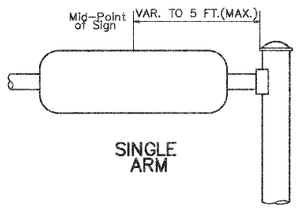


___ Sq. M. each
9.0 Sq. Ft. each
2 Required
Design Series D

SUPPORTING CHANNELS

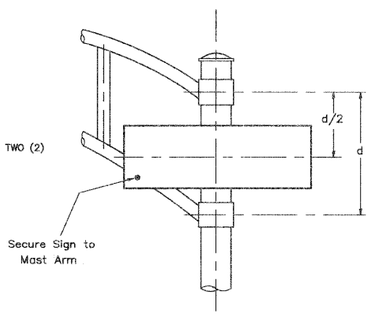


A	B	C
18"	2"	14"



SUPPORTING CHANNELS

A	B	C
18"	2"	12"
30"	2"	22"



DUAL ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM
Shall be used. See Note #5.

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
4. ALL BORDERS SHALL BE /" WIDE AND CORNER RADIUS SHALL BE 2-1/4 ".
5. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
   - * A.K.T. CORPORATION, SCHAUMBURG, IL
   - * TUCKER COMPANY, INC., WAUWATOSA, WI
   - * AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
   - * WESTERN TRAFFIC CONTROL INC., CICERO, IL

PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

Upper Case To Lower Case — EXAMPLE, 2③ — DENOTES 3/8"
Spacing Chart 8-6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER: A W X		B		C E G		D O Q R		F		H I M N		J U		K L		P		S		T		V		Y		Z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	1²	1⁴	1⁴	1⁵	1²	1⁴	0⁶	1⁰	1¹	1⁴	0⁶	1⁰	1¹	1²	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
B	1⁴	1⁵	2⁰	2¹	1⁴	1⁵	1¹	1²	1⁴	1⁵	1²	1⁴	1²	1⁴	1⁴	1⁵	1²	1⁴	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷
C E G	1⁴	1⁵	2⁰	2¹	1²	1⁴	0⁶	1⁰	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1²	1⁴	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1⁴	1⁵
D O Q R	1⁴	1⁵	2⁰	2¹	1⁴	1⁵	0⁶	1⁰	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1²	1⁴	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1⁴	1⁵
F	0⁵	0⁶	1⁴	1⁵	0⁶	1⁰	0⁵	0⁶	0⁶	1⁰	0⁶	1⁰	0⁶	1⁰	0⁶	1⁰	0⁶	1⁰	0⁶	1⁰	0⁶	1⁰	1¹	1²	1²	1⁴	1²	1⁴
H I M N	2⁰	2¹	2²	2⁴	2⁰	2¹	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷	2⁰	2¹	2⁰	2¹	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷
J U	2⁰	2¹	2⁰	2¹	1⁶	1⁷	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	2⁰	2¹	2⁰	2¹	2⁰	2¹	2⁰	2¹	2⁰	2¹	2⁰	2¹	2⁰	2¹
K L	1¹	1²	1⁶	1⁷	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
P	1²	1⁴	1⁴	1⁵	1²	1⁴	0⁵	0⁶	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
S	1²	1⁴	1⁶	1⁷	1²	1⁴	0⁶	1⁰	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
T	1¹	1²	1⁶	1⁷	0⁶	1⁰	0⁶	1⁰	1¹	1²	1¹	1²	1¹	1²	1¹	1²	1¹	1²	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴	1²	1⁴
V	0⁶	1⁰	1⁴	1⁵	1¹	1²	0⁶	1⁰	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
Y	0⁵	0⁶	1⁴	1⁵	0⁶	1⁰	0⁵	0⁶	0⁵	0⁷	0⁵	0⁶	0⁶	1⁰	1¹	1²	1¹	1²	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴	1²	1⁴
Z	1⁶	1⁷	2²	2⁴	1⁶	1⁷	1²	1⁴	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	2⁰	2¹

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER: a c d e g o q		b h i k l m n P r u		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i j i m n q u	1⁶	1⁷	2²	2⁴	1⁶	1⁷	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷
b f k o P s	1²	1⁴	1⁶	1⁷	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴
c e	1²	1⁴	1⁶	1⁷	1²	1⁴	0⁶	1⁰	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
r	0⁶	1⁰	1²	1⁴	0⁶	1⁰	0³	0³	0⁵	0⁶	0⁵	0⁶	0⁶	1⁰	0⁶	1⁰
t z	1²	1⁴	1⁶	1⁷	1²	1⁴	0⁶	1⁰	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴
v y	1¹	1²	1⁴	1⁵	1¹	1²	0⁵	0⁶	0⁶	1⁰	0⁶	1⁰	1¹	1²	1¹	1²
w	1¹	1²	1⁴	1⁵	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1¹	1²	1²	1⁴
x	1²	1⁴	1⁶	1⁷	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1¹	1²	1²	1⁴

Number To Number
Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	SECOND NUMBER: 0		1		2		3		4		5		6		7		8		9	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1⁶	1⁷	1⁶	1⁷	1⁴	1⁵	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1⁶	1⁷	1²	1⁴	1⁶	1⁷	1⁶	1⁷
1	2⁰	2¹	2⁰	2¹	2⁰	2¹	1⁶	1⁷	1⁴	1⁵	2⁰	2¹	2⁰	2¹	1⁴	1⁵	2⁰	2¹	2⁰	2¹
2 3 4	1⁴	1⁵	1⁴	1⁵	1⁴	1⁵	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1¹	1²	1⁶	1⁷	1⁴	1⁵
5	1⁴	1⁵	1⁴	1⁵	1⁴	1⁵	1¹	1²	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1¹	1²	1⁴	1⁵	1⁴	1⁵
6	1⁶	1⁷	1⁴	1⁵	1⁴	1⁵	1²	1⁵	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1¹	1²	1⁴	1⁵	1⁴	1⁵
7	1²	1⁴	1²	1⁴	1⁴	1⁵	1²	1⁵	0⁵	0⁶	1²	1⁴	1⁴	1⁵	1¹	1²	1⁴	1⁵	1²	1⁴
8	1⁶	1⁷	1⁶	1⁷	1⁴	1⁵	1²	1⁵	1²	1⁴	1⁴	1⁵	1⁶	1⁷	1²	1⁴	1⁶	1⁷	1⁴	1⁵

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS, SERIES C	D	8 INCH UPPER CASE LETTERS, SERIES C	D	LETTERS	6 INCH LOWER CASE LETTERS, SERIES C	D
A	3⁶	5⁰	5⁰	6⁵	a	3⁵	4²
B	3²	4⁰	4³	5³	b	3⁵	4²
C	3²	4⁰	4³	5³	c	3⁵	4¹
D	3²	4⁰	4³	5³	d	3⁵	4²
E	3⁰	3⁵	4⁰	4⁷	e	3⁵	4²
F	3⁰	3⁵	4⁰	4⁷	f	2³	2⁶
G	3²	4⁰	4³	5³	g	3⁵	4²
H	3²	4⁰	4³	5³	h	3⁵	4²
I	0⁷	0⁷	1¹	1²	i	1¹	1¹
J	3⁰	3⁶	4⁰	5⁰	j	2⁰	2²
K	3²	4¹	4³	5⁴	k	3⁵	4²
L	3⁰	3⁵	4⁰	4⁷	l	1¹	1¹
M	3⁷	4⁵	5¹	6¹	m	6⁰	7⁰
N	3²	4⁰	4³	5³	n	3⁵	4²
O	3⁴	4²	4⁵	5⁵	o	3⁶	4³
P	3²	4⁰	4³	5³	p	3⁵	4²
Q	3⁴	4²	4⁵	5⁵	q	3⁵	4²
R	3²	4⁰	4³	5³	r	2⁶	3²
S	3²	4⁰	4³	5³	s	3⁶	4²
T	3⁰	3⁵	4⁰	4⁷	t	2⁷	3²
U	3²	4⁰	4³	5³	u	3⁵	4²
V	3⁵	4⁴	4⁷	6⁰	v	4²	4⁷
W	4⁴	5²	6⁰	7⁰	w	5⁵	6⁴
X	3⁴	4⁰	4⁵	5³	x	4⁴	5¹
Y	3⁶	5⁰	5⁰	6⁶	y	4⁶	5³
Z	3²	4⁰	4³	5³	z	3⁶	4³

NUMBER	6 INCH SERIES C	D	8 INCH SERIES C	D
1	1²	1⁴	1⁵	2⁰
2	3²	4⁰	4³	5³
3	3²	4⁰	4³	5³
4	3⁵	4³	4⁷	5⁷
5	3²	4⁰	4³	5³
6	3²	4⁰	4³	5³
7	3²	4⁰	4³	5³
8	3²	4⁰	4³	5³
9	3²	4⁰	4³	5³
0	3⁴	4²	4⁵	5⁵

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NTS — DRAWN BY: KKP
DATE: 03-26-09 — CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:22 AM By: Kris Pung - Tdi: 88 MA Signs 22x34

Path: H:\SIGNPRO\M007515\DWG\DWG FINAL ENG\M007515-SIGPLAN

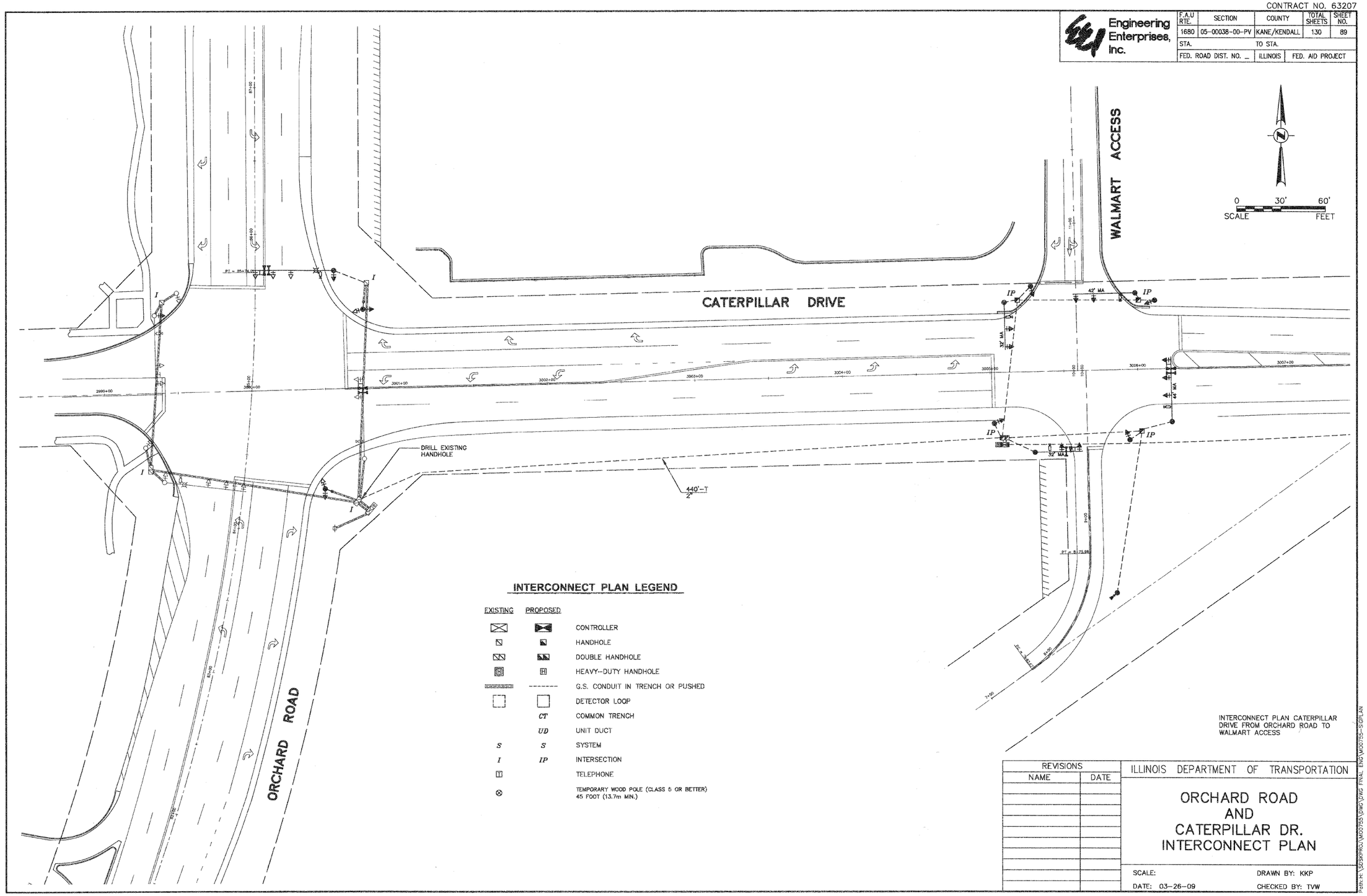
CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	89
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
PT. OF VERT. CHECKED		
NOTE BOOK		
NO.		
PLAN FILE NAME		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
NOTE BOOK		
NO.		
STRUCTURE NO.(IF ANY) CHKD		



INTERCONNECT PLAN LEGEND

EXISTING	PROPOSED	
		CONTROLLER
		HANDHOLE
		DOUBLE HANDHOLE
	H	HEAVY--DUTY HANDHOLE
		G.S. CONDUIT IN TRENCH OR PUSHED
		DETECTOR LOOP
	CT	COMMON TRENCH
	UD	UNIT DUCT
S	S	SYSTEM
I	IP	INTERSECTION
T		TELEPHONE
		TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m MIN.)

INTERCONNECT PLAN CATERPILLAR DRIVE FROM ORCHARD ROAD TO WALMART ACCESS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ORCHARD ROAD AND CATERPILLAR DR. INTERCONNECT PLAN

SCALE:

DRAWN BY: KKP

DATE: 03-26-09

CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:22 AM By: Kris Pung - Tab: 89 Inter Plan 22x34

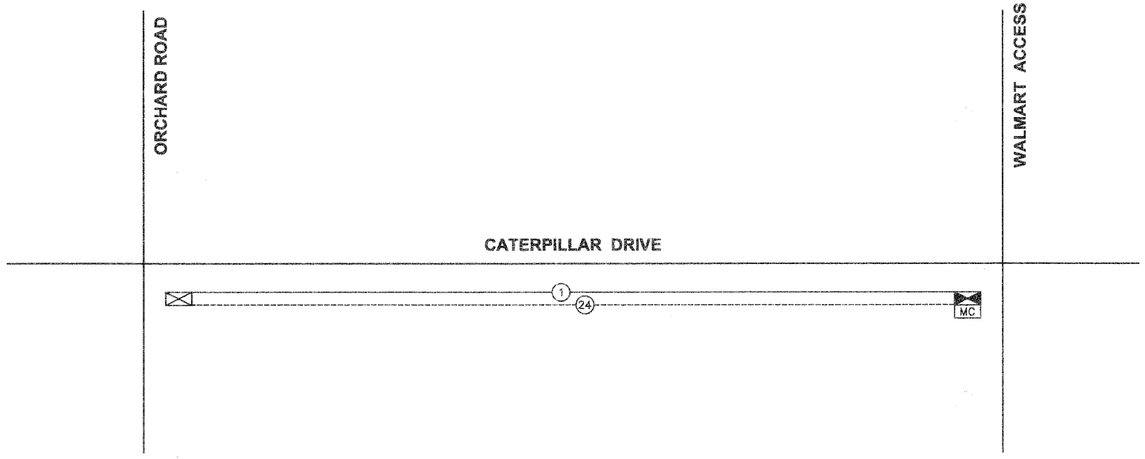
Path: H:\SDSKPROJ\M007555\DWG\DWG FINAL ENG\M007555-SIGPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	90
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN | SURVEYED | BY | DATE
DATE | | |
NOTE BOOK | ALIGNMENT CHECKED | |
NO. | PLT. OF WAY CHECKED | |
| PLOT FILE NAME | |

PROFILE | SURVEYED | BY | DATE
DATE | | |
NOTE BOOK | GRADES CHECKED | |
NO. | FINAL NOTES | |
| STRUCTURE NO(S)/MAS CKD'D | |



N.T.S.

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
440	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
440	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MASTER CONTROLLER (SPECIAL)
2	EACH	TRANSCEIVER – FIBER OPTIC
1	EACH	DRILL EXISTING HANDHOLE
490	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C
1	EACH	OPTIMIZE TRAFFIC SIGNAL SYSTEM
490	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 2-MM12F & SM12F

INTERCONNECT SCHEMATIC LEGEND

- PROPOSED INTERSECTION CONTROLLER
- EXISTING INTERSECTION CONTROLLER
- MC — PROPOSED MASTER CONTROLLER
- EMC — EXISTING MASTER CONTROLLER
- MMC — MASTER MASTER CONTROLLER
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTOR
- EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTOR
- P — EXISTING INTERSECTION DETECTOR AND PROPOSED SAMPLING (SYSTEM) DETECTOR
- ES — EXISTING SAMPLING (SYSTEM) DETECTOR
- PS — PROPOSED SAMPLING (SYSTEM) DETECTOR
- (24) — PROPOSED INTERCONNECT CABLE – NO.62.5/1256 2 MM 12F & SM 12F – FIBER OPTIC CABLE
- (24) — EXISTING INTERCONNECT CABLE – NO.62.5/1256 2 MM 12F & SM 12F – FIBER OPTIC CABLE
- (12) — PROPOSED INTERCONNECT CABLE – NO.62.5/1256 12F – FIBER OPTIC CABLE
- (12) — EXISTING INTERCONNECT CABLE – NO.62.5/1256 12F – FIBER OPTIC CABLE
- (6) — PROPOSED INTERCONNECT CABLE – NO.18 3 PAIR TWISTED, SHIELDED
- (6) — EXISTING INTERCONNECT CABLE – NO.18 3 PAIR TWISTED, SHIELDED
- (2) — PROPOSED LOOP DETECTOR CABLE – 2/C TWISTED, SHIELDED
- (2) — EXISTING LOOP DETECTOR CABLE – 2/C TWISTED, SHIELDED
- (1) — PROPOSED TRACER CABLE NO. 14 1/C
- (1) — EXISTING TRACER CABLE NO. 14 1/C
- T — PROPOSED TELEPHONE CONNECTION
- T — EXISTING TELEPHONE CONNECTION
- VIDEO — DOME P.T.Z. CAMERA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CATERPILLAR DR. FROM ORCHARD RD. TO WALMART ACCESS INTERCONNECT SCHEMATIC AND INTERCONNECT QUANTITIES

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

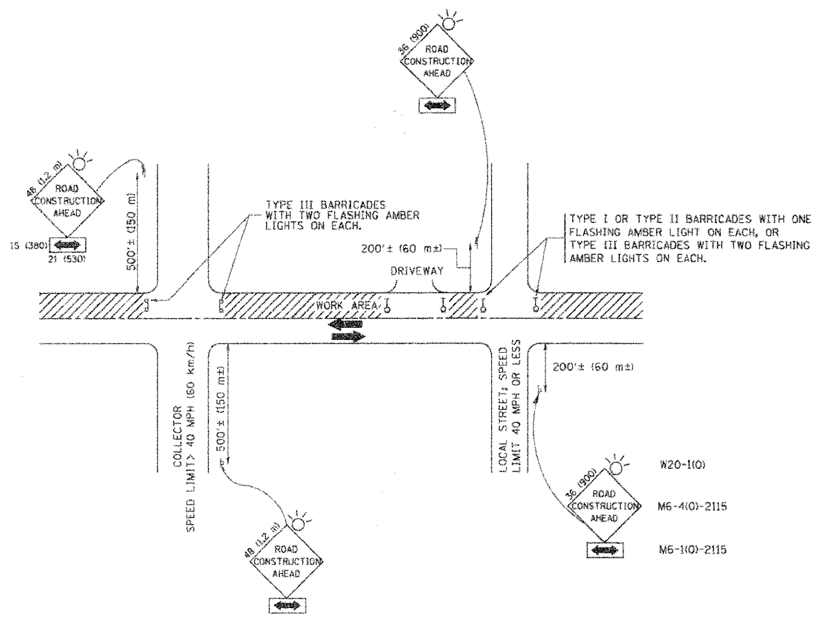
Plotted: June 26, 2009 @ 8:22 AM By: Kris Pung – Tdc: 90 Inter Schematic 22x34

Path: H:\SDSKPROJ\M007755\DWG\DWG FINAL ENG\M007755-SIGPLAN

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	91
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gogliemobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN	BY	DATE
NOTE BOOK ___ NO. ___		
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		

PROFILE	BY	DATE
NOTE BOOK ___ NO. ___		
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATIONS CHK'D		

Plotted: June 25, 2009 @ 4:31 PM By: Kris Pung – Tab: 91 Dets 22x34

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL DETAILS

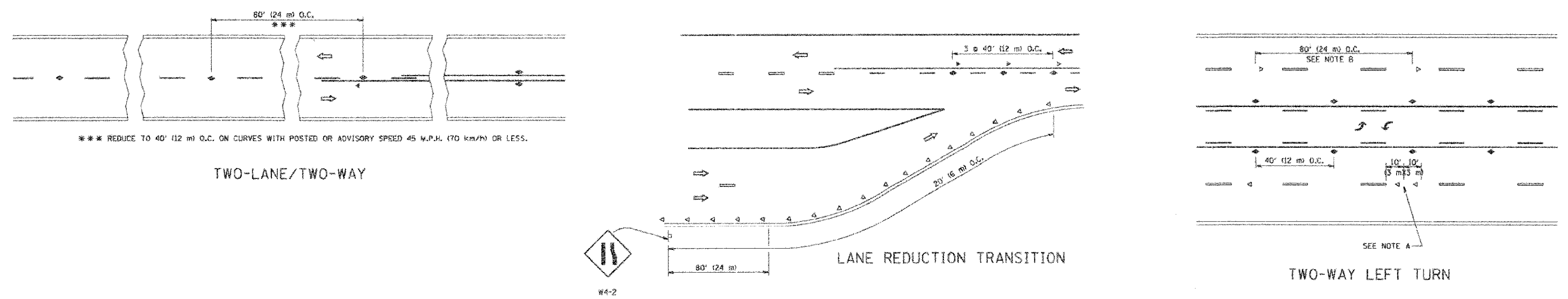
SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

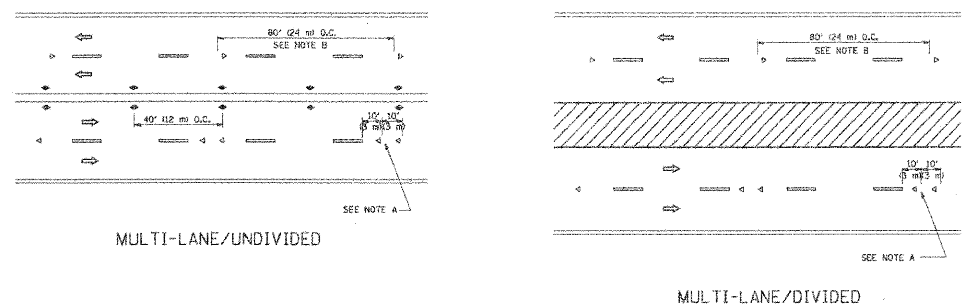
Path: H:\SDSKPROJ\MO0755\DWG\DWG FINAL ENG\MO0755-DETS

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	92
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

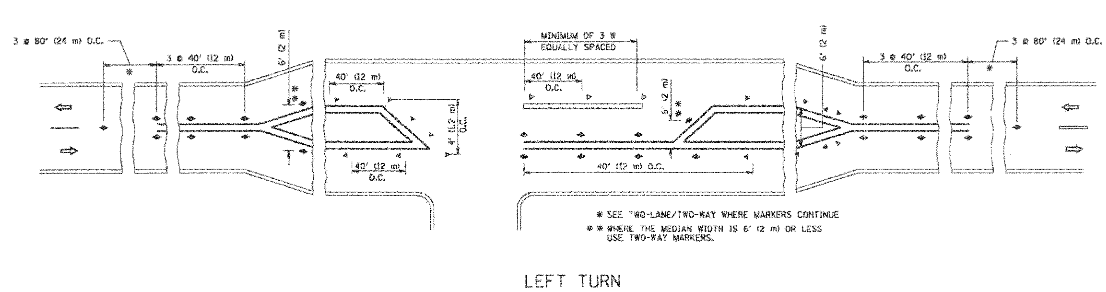
LANE MARKER NOTES

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 Km/h) LOWER THAN POSTED SPEEDS.

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



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

FILE NAME = W:\diststd\22x34\tc11.dgn	USER NAME = gogliomobt	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
		DRAWN -	REVISED - T. RAMMACHER 03-12-99		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		
	PLOT DATE = 1/4/2000	DATE -	REVISED -		SCALE: NONE, SHEET NO. 1 OF 1 SHEETS, STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-11	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL DETAILS

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	R/T. OF WAY CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTAT'NS CHK'D		

Plotted: June 25, 2009 @ 4:32 PM By: Kris Pung -- Tab: 92 Dets 22x34 (2)

Path: H:\SDSKPROJ\MO0755\DWG\DWG FINAL ENG\MO0755-DETS

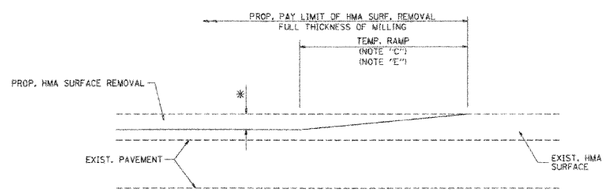
CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	93
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

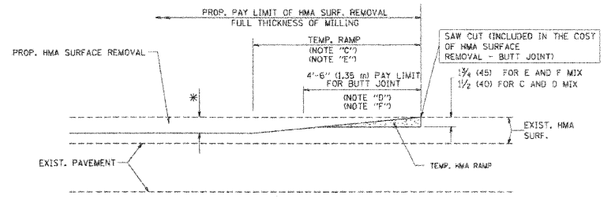
PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / RT. OF WAY CHECKED / BKM. NOTED / LOAD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / DRAWN / GRADES CHECKED / BKM. NOTED / STRUCTURE NO/TA/WKS CHKD / NOTE BOOK / NO. / BY / DATE



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

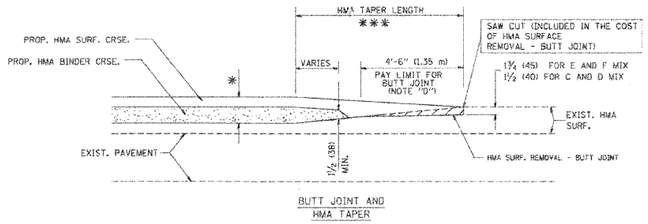
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

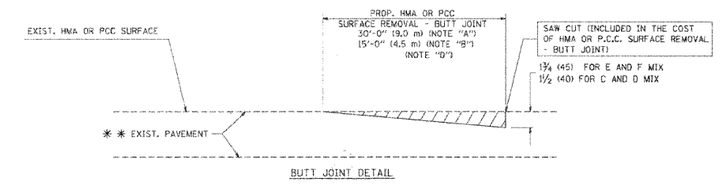
OPTION 2

TYPICAL TEMPORARY RAMP

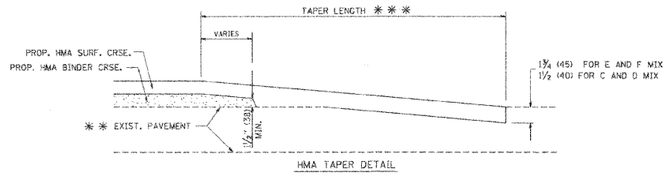


BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

✱✱ PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

✱ SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

✱✱✱ 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = gaglianoke	DESIGNED - M. DE YONG	REVISED - R. SHAH 12-26-94
W:\drafted\22x34\sd02.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 7/14/2009	DATE - 06-15-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-05 BD32			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO.	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL DETAILS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 25, 2009 @ 4:33 PM By: Kris Pung -- Tab: 93 Date 22x34 (3)

Path: H:\SDSKPROJ\M007755\DWG\ENG FINAL ENG\M007755-DETS

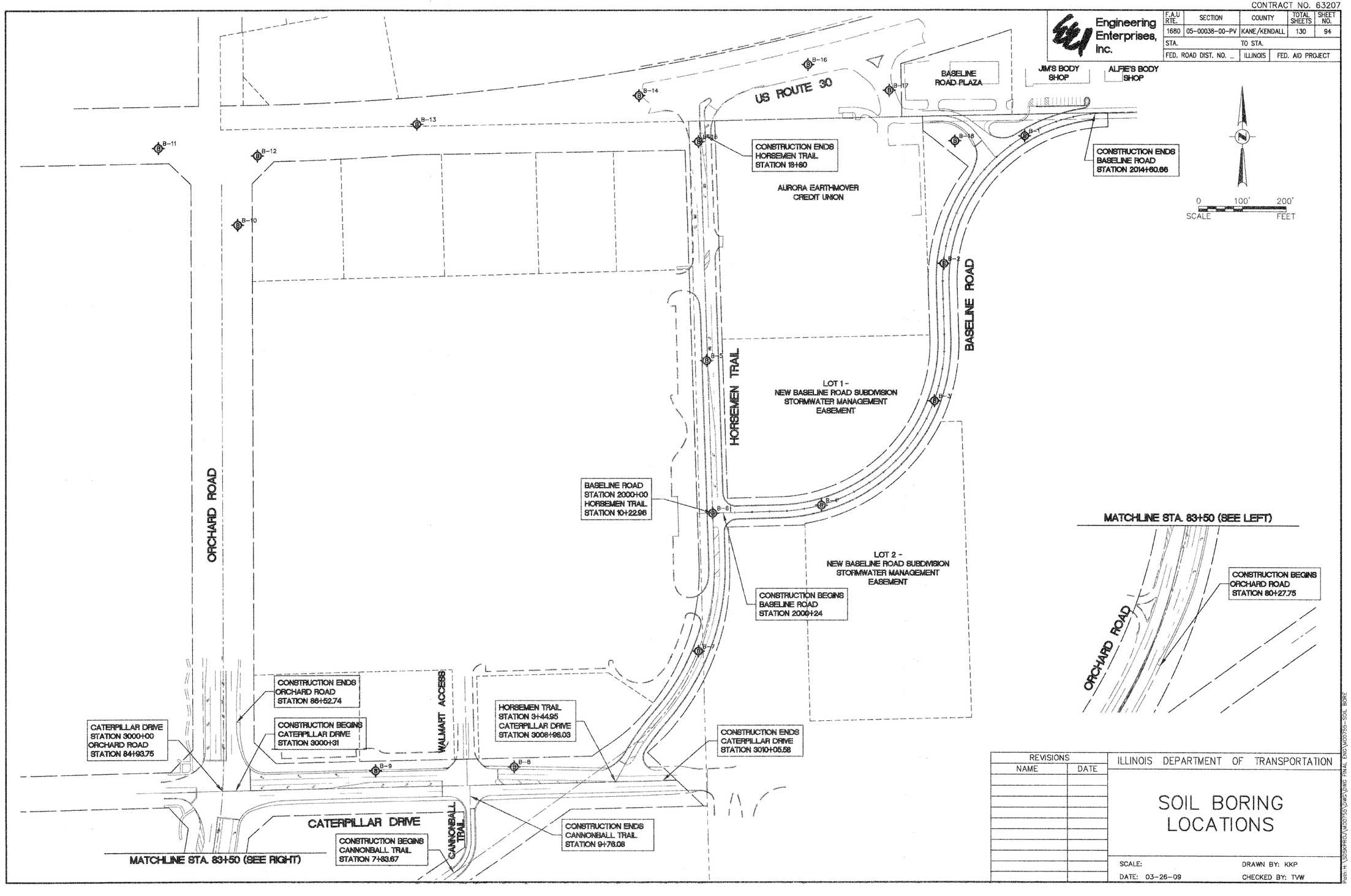
CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	94
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF W'Y CHECKED / ROAD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BM. NOTED / STRUCTURE NOTATNS CK'KD / NOTE BOOK / NO. / BY / DATE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOCATIONS

SCALE:

DATE: 03-26-09

DRAWN BY: KKP

CHECKED BY: TVW

Plotted: June 25, 2009 @ 8:25 AM By: Kris Pung - Tab: 94 Soil Boring 22x34

Path: H:\SDSKPROJ\00755\DWG\DWG FINAL ENG\00755-SOIL BORE

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	95
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN | SURVEYED | DRAWN | QUANTITIES CHECKED | ALIGNMENT CHECKED | R.T. OF WAY MONUMENTED | NOTE BOOK | B.M. NOTED | NO. _____ | ROD R.E.'s NAME | BY | DATE

LOG OF BORING NO. 1

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	TESTS SPT - N "" BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf	ATTERBERG LIMITS, %
	Approx. Surface Elev.: 868.10 ft										
	Approx. 18" Topsoil				PA						
	LEAN CLAY, TRACE SAND, brown/dark brown, soft — 866.5	1.5	CL	1	SS	10	11	29		1000*	
	LEAN CLAY, TRACE SAND, OCCASIONAL ROOT HAIRS, brown, stiff — 865	3			PA						
			CL	2	SS	10	7	24		4000*	LL=42 PI=24
	FINE TO MEDIUM SAND, TRACE GRAVEL, brown, loose — 863	5			PA						
			SP	3	SS	8	6	5			
					PA						
			SP	4	SS	12	9	4			
	BOTTOM OF BORING — 858	10									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL ▽	NONE	WD	▽ NONE	AB
WL ▽			▽	
WL				

Terracon

BORING STARTED	2-26-07		
BORING COMPLETED	2-26-07		
RIG		FOREMAN	MD
APPROVED	KND	JOB #	11065237

LOG OF BORING NO. 2

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	TESTS SPT - N "" BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 671.47 ft									
	FILL: LEAN TO FAT CLAY, TRACE TO WITH SAND, TRACE GRAVEL, ORGANICS AND ROOT HAIRS, dark brown, trace brown				PA					
				1	SS	10	12	20		
					PA					
				2	SS	6	10	16		
		5			PA					
				3	SS	8	12	19		
					PA					
				4	SS	6	12	17		
	BOTTOM OF BORING — 661.5	10								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL ▽	NONE	WD	▽ NONE	AB
WL ▽			▽	
WL				

Terracon

BORING STARTED	2-26-07		
BORING COMPLETED	2-26-07		
RIG		FOREMAN	MD
APPROVED	KND	JOB #	11065237

LOG OF BORING NO. 3

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	TESTS SPT - N "" BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 661.91 ft									
	FILL: SANDY LEAN CLAY, TRACE TO WITH GRAVEL, TRACE ORGANICS, dark brown and brown				PA					
				1	SS	6	50/1"	10		
					PA		SEAT			
				2	SS	7	13	14		
		5			PA					
				3	SS	10	10	13		
					PA					
	Sample 4: pocket of fine to medium sand, with silt (possible fill)			4	SS	5	9	12		
	BOTTOM OF BORING — 652	10	SP-SM					5		

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL ▽	NONE	WD	▽ NONE	AB
WL ▽			▽	
WL				

Terracon

BORING STARTED	2-26-07		
BORING COMPLETED	2-26-07		
RIG		FOREMAN	MD
APPROVED	KND	JOB #	11065237

PROFILE | SURVEYED | DRAWN | QUANTITIES CHECKED | ALIGNMENT CHECKED | R.T. OF WAY MONUMENTED | NOTE BOOK | B.M. NOTED | NO. _____ | STRUCTURE NO/FA/FAS CS/RD | BY | DATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE:
DRAWN BY: KKP
DATE: 03-26-09
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:25 AM By: Kris Pung - Tab: 95 Soil Boring 22x34

Path: H:\SDSPROJ\M007755\DWG\DWG FINAL ENG\M007755-SOIL BORE

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	96
	STA.		TO STA.		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — SURVEYED, INPUT, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CAD FILE NAME, NOTE BOOK, NO.____, BY, DATE

PROFILE — SURVEYED, INPUT, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CKD, NOTE BOOK, NO.____, BY, DATE

LOG OF BORING NO. 4

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

Approx. Surface Elev.: 660.96 ft

Depth, ft	Description	USCS Symbol	Number	Type	Recovery, in.	SPT - N ** Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unconfined Strength, psf	Atterberg Limits, %
				PA						
	SANDY LEAN CLAY, TRACE GRAVEL AND ORGANICS, dark brown, trace brown		1	SS	11	14	16			
4	657			PA						
	FILL: FINE TO MEDIUM SAND, WITH SILT, TRACE GRAVEL, brown to silty sand		2	SS	8	10	5			
5				PA						
6	655		3	SS	7	20	16			LL=28 PI=12
	FILL: SANDY LEAN CLAY, TRACE GRAVEL AND ORGANICS, dark brown			PA						
9	652		4	SS	6	15/6" 50/2"	4			
10	GRAVELLY SAND, TRACE SILT AND CLAY, brown, very dense	SP/GP								
	651									
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ NONE	WD	▽ NONE	AB
WL	▽		▽	
WL				

Terracon

BORING STARTED	2-26-07		
BORING COMPLETED	2-26-07		
RIG		FOREMAN	MD
APPROVED	KND	JOB #	11065237

LOG OF BORING NO. 5

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

Approx. Surface Elev.: 665.49 ft

Depth, ft	Description	USCS Symbol	Number	Type	Recovery, in.	SPT - N ** Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unconfined Strength, psf	Atterberg Limits, %
0.4	Approx. 5" Asphalt			PA						
0.7	665									
	Approx. 3" Gravel Base		1	SS	10	24	24			
	FILL: LEAN TO FAT CLAY, TRACE SAND, GRAVEL AND ORGANICS, dark brown, trace brownish gray and brown			PA						
4	661.5		2	SS	8	7	23		4000*	LL=37 PI=16
	LEAN CLAY, TRACE SAND, brown, stiff to very stiff	CL/CH		PA						
5			3	SS	12	5	25		7000*	
				PA						
8.5	657									
	FINE TO MEDIUM SAND, WITH SILT, TRACE GRAVEL, brown, loose	SP-SM	4	SS	10	8	5			
10	655.5									
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ NONE	WD	▽ NONE	AB
WL	▽		▽	
WL				

Terracon

BORING STARTED	2-26-07		
BORING COMPLETED	2-26-07		
RIG		FOREMAN	MD
APPROVED	KND	JOB #	11065237

LOG OF BORING NO. 6

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

Approx. Surface Elev.: 666.19 ft

Depth, ft	Description	USCS Symbol	Number	Type	Recovery, in.	SPT - N ** Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unconfined Strength, psf
0.4	Approx. 5" Gravel Base			PA					
1.5	666								
	FILL: CRUSHED LIMESTONE, gray		1	SS	2	50/2*	8		
	Sample 1: low recovery.			PA					
	664.5								
	FILL: SANDY LEAN CLAY, TRACE GRAVEL AND ORGANICS, dark brown and brown		2	SS	10	40	16		
5				PA					
6.5	660		3	SS	8	8	23		
	BURIED TOPSOIL: LEAN TO FAT CLAY, TRACE SAND AND ORGANICS, dark brown			PA					
9	657								
	SANDY LEAN CLAY, TRACE GRAVEL, dark brown/brown, very stiff	CL	4	SS	10	9	20		5000*
10	656								
	BOTTOM OF BORING								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ NONE	WD	▽ NONE	AB
WL	▽		▽	
WL				

Terracon

BORING STARTED	2-26-07		
BORING COMPLETED	2-26-07		
RIG		FOREMAN	MD
APPROVED	KND	JOB #	11065237

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:25 AM By: Kris Pung - Tab: 96 Soil Boring 22x34

Path: H:\SDSKPROJ\M000755\DWG\DWG FINAL ENG\M000755-SOIL BORE

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	97
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN

	BY	DATE
SURVEYED		
DRAWN		
ALIGNMENT CHECKED		
NOTE BOOK		
PT. OF BY'N CHECKED		
NO.		
ROAD FILE NAME		

LOG OF BORING NO. 7

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

Approx. Surface Elev.: 669.32 ft

DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N "BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf	ATTERBERG LIMITS, %
FILL: SANDY LEAN CLAY, TRACE GRAVEL, AND ORGANICS, brown/dark brown				PA						
			1	SS	6	16	22			
				PA						
			2	SS	5	8	13			LL=26 PI=11
	5			PA						
			3	SS	8	4	17			
				PA						
9 680.5			4	SS	6	8	7			
FINE TO MEDIUM SAND, WITH SILT, TRACE GRAVEL, brown 659.5	10	SP-SM								
BOTTOM OF BORING										

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL ▽ NONE	WD ▽ NONE	AB		
WL ▽	▽			
WL				

Terracon

BORING STARTED	2-26-07		
BORING COMPLETED	2-26-07		
RIG		FOREMAN	MD
APPROVED	KND	JOB #	11085237

LOG OF BORING NO. 8

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

Approx. Surface Elev.: 664.50 ft

DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N "BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf
0.3 Approx. 4" Asphalt 664				PA					
FILL: SANDY LEAN CLAY, TRACE GRAVEL, AND ORGANICS, dark brown and brown			1	SS	12	23	13		
3 661.5				PA					
FILL: LEAN CLAY, TRACE SAND AND GRAVEL, brown and gray 659.5			2	SS	8	8	16		
LEAN TO FAT CLAY, TRACE SAND, brown, very stiff 658.5	5			PA					
FINE TO MEDIUM SAND, WITH SILT, TRACE GRAVEL, brown, medium dense		CL/CH SP-SM	3	SS	14	8	24		
				PA			5		
10 354.5		SP-SM	4	SS	12	24	4		
BOTTOM OF BORING	10								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL ▽ NONE	WD ▽ NONE	AB		
WL ▽	▽			
WL				

Terracon

BORING STARTED	2-27-07		
BORING COMPLETED	2-27-07		
RIG		FOREMAN	MD
APPROVED	KND	JOB #	11085237

LOG OF BORING NO. 9

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

Approx. Surface Elev.: 665.76 ft

DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N "BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf
0.3 Approx. 4" Asphalt 665.5				PA					
FILL: LEAN CLAY, TRACE SAND AND GRAVEL, brown, grayish brown, trace dark brown			1	SS	12	22	25		
3.5 662.3				PA					
LEAN TO FAT CLAY, TRACE SAND, brown, stiff 661		CL/CH	2	SS	5	6	26		4000*
SILTY SAND WITH GRAVEL, TRACE CLAY, brown, medium dense to dense	5			PA					
		SM	3	SS	8	11	7		
				PA					
		SM	4	SS	14	23	4		
	10			PA					
		SM	5	SS	12	34	4		
	15			PA					
18 648									
CLAYEY FINE TO MEDIUM SAND, TRACE GRAVEL, brown, medium dense, wet 646		SC	6	SS	8	13	14		
BOTTOM OF BORING	20								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL ▽ 16.5	WD ▽ 18	AB		
WL ▽	▽			
WL				

Terracon

BORING STARTED	2-27-07		
BORING COMPLETED	2-27-07		
RIG		FOREMAN	MD
APPROVED	KND	JOB #	11085237

PROFILE

	BY	DATE
SURVEYED		
DRAWN		
CHECKED		
CROSS SECTIONS		
NOTE BOOK		
STRUCTURE NO.		
SHEETS CHKD		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE:
DRAWN BY: KKP
DATE: 03-26-09
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:26 AM By: Kris Pung - Tab: 97 Soil Boring 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-SOIL BORE

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	98
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / NOTE BOOK / NO.____ / PLOT FILE NAME / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / S.M. NOTED / NOTE BOOK / STRUCTURE NO.____ / PLOT FILE NAME / BY / DATE

LOG OF BORING NO. 10

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N ** BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 865.28 ft									
	FILL: LEAN CLAY, WITH SAND, TRACE GRAVEL, brown/dark brown				PA					
				1	SS	4	12	8		
					PA					
		5		2	SS AS	NR	13	12		
	650.5				PA					
	SAND WITH GRAVEL, TRACE SILT AND CLAY, brown, medium dense to dense		SP-SM	3	SS	4	13	5		
	647.5				PA					
	SILTY FINE SAND, TRACE GRAVEL, tan, medium dense		SM	4	SS	2	20	3		
	645.5	10								
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL ▽ NONE	WD ▽ NONE	AB		
WL ▽	▽			
WL				

Terracon

BORING STARTED	2-27-07		
BORING COMPLETED	2-27-07		
RIG	FOREMAN	MD	
APPROVED KND	JOB #	11065237	

LOG OF BORING NO. 11

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N ** BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 866.91 ft									
	0.4 Approx. 5" Asphalt	686.5			PA					
	FILL: LEAN CLAY AND LEAN TO FAT CLAY, TRACE SAND, brown, dark brown and brownish gray			1	SS	14	12	17		
					PA					
				2	SS	12	9	23		
		5			PA					
				3	SS	12	10	20		
					PA					
	8	858		4	SS	14	8	25		6000*
	LEAN TO FAT CLAY, TRACE SAND, brown, very stiff	857	CL/CH					23		
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL ▽ NONE	WD ▽ NONE	AB		
WL ▽	▽			
WL				

Terracon

BORING STARTED	2-27-07		
BORING COMPLETED	2-27-07		
RIG	FOREMAN	MD	
APPROVED KND	JOB #	11065237	

LOG OF BORING NO. 12

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N ** BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 863.26 ft									
	0.3 Approx. 4" Asphalt	863			PA					
	FILL: SANDY LEAN CLAY, WITH SAND POCKETS, dark brown and brown			1	SS	10	18	18		
								4		
					PA					
	Sample 3: with topsoil pockets.			2	SS	6	12	13		
		5						6		
	6.5	857		3	SS	10	8	26		
	DRILLER'S DESCRIPTION: BURIED TOPSOIL				PA					
	9	854.5		4	SS	12	11	18		
	FINE SAND, WITH SILT, TRACE GRAVEL, brown		SP-SM					7		
		10			PA					
	13	850.5								
	SILTY FINE TO MEDIUM SAND, TRACE GRAVEL, brown, medium dense		SM	5	SS	8	21	7		
		15			PA					
	17	846.5								
	SILTY CLAYEY FINE SAND, TRACE GRAVEL, brownish gray, medium dense, wet		SC-SM	6	SS	10	16	13		
	20	843.0								
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				
WL ▽ 17	WD ▽ 15	AB		
WL ▽	▽			
WL				

Terracon

BORING STARTED	2-27-07		
BORING COMPLETED	2-27-07		
RIG	FOREMAN	MD	
APPROVED KND	JOB #	11065237	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:27 AM By: Kris Pung — Tab: 98 Soil Boring 22x34

Path: H:\SDSKPROJ\M00755\DWG\DWG FINAL ENG\M00755-SOIL BORE

CONTRACT NO. 63207

Engineering Enterprises, Inc.	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1680	05-00038-00-PV	KANE/KENDALL	130	99
	STA.		TO STA.		
	FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN | SURVEYED | BY | DATE
PROFILE | PLOTTED | CROSS SECTIONS CHECKED | GRADES CHECKED | STAT. NOTED | SIGNATURE | NOTATNS CPKD
NOTE BOOK
NO.

LOG OF BORING NO. 13

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N "/ BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 668.78 ft									
	0.3 Approx. 3" Asphalt 668.5				PA					
	SANDY LEAN CLAY, TRACE GRAVEL, dark brown/brown			1	SS	12	23	11		
					PA					
	664	5		2	SS	8	10	14		
	LEAN TO FAT CLAY, TRACE SAND, brown, very stiff				PA					
			CL/CH	3	SS	6	9	25		6000*
	661.5	7.5			PA					
	LEAN CLAY, TRACE SAND AND GRAVEL, brown, very stiff 660	9	CL	4	SS	10	11	21		6000*
	FINE TO MEDIUM SAND, WITH SILT, TRACE GRAVEL, brown 659	10	SP-SM					6		
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				BORING STARTED	2-27-07		
WL ▽ NONE	WD	▽ NONE	AB	BORING COMPLETED	2-27-07		
WL ▽		▽		RIG		FOREMAN	MD
WL				APPROVED	KND	JOB #	11065237

Terracon

LOG OF BORING NO. 14

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N "/ BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 669.35 ft									
	0.3 Approx. 4" Asphalt 669				PA					
	FILL: SANDY LEAN CLAY, WITH SAND AND TOPSOIL POCKETS, dark brown and brown			1	SS	10	16	19		
					PA			7		
	665.5	4								
	LEAN TO FAT CLAY, TRACE SAND, brown, very stiff		CL/CH	2	SS	8	11	8		
					PA			26		6000*
			CL/CH	3	SS	8	10	25		6000*
	661.5	8			PA					
	CLAYEY FINE TO MEDIUM SAND, TRACE GRAVEL, brown, medium dense		SC	4	SS	10	16	9		
	659.5	10								
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				BORING STARTED	2-27-07		
WL ▽ NONE	WD	▽ NONE	AB	BORING COMPLETED	2-27-07		
WL ▽		▽		RIG		FOREMAN	MD
WL				APPROVED	KND	JOB #	11065237

Terracon

LOG OF BORING NO. 15

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT - N "/ BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf
	Approx. Surface Elev.: 668.57 ft									
	0.3 Approx. 4" Asphalt 668.5				PA					
	1.5 Approx. 14" Gravel base 667			1	SS	12	23	22		
	SANDY LEAN CLAY AND LEAN TO FAT CLAY, TRACE SAND, OCCASIONAL SAND POCKETS, brown and dark brown				PA					
		5		2	SS	2	7	20		
					PA					
	662.5	6.5								
	SILTY SAND WITH GRAVEL, TRACE CLAY, brown, medium dense		SM	3	SS	8	12	10		
					PA					
			SM	4	SS	12	13	5		
	658.5	10								
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				BORING STARTED	2-27-07		
WL ▽ NONE	WD	▽ NONE	AB	BORING COMPLETED	2-27-07		
WL ▽		▽		RIG		FOREMAN	MD
WL				APPROVED	KND	JOB #	11065237

Terracon

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW

Plotted: June 26, 2009 @ 8:27 AM By: Kris Pung - Tab: 99 Soil Boring 22x34

Path: H:\SSSKPROJ\M007735\DWG\DWG FINAL ENG\M007735-SOIL BORE

CONTRACT NO. 63207

Engineering Enterprises, Inc.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1680	05-00038-00-PV	KANE/KENDALL	130	100
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.T. OF WAY CHECKED / CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD — BY — DATE

LOG OF BORING NO. 16

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

Approx. Surface Elev.: 668.34 ft

Depth	DESCRIPTION	Elev.	USCS SYMBOL	NUMBER	TYPE	RECOVERY, in.	SPT - N ** BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf
0.5	Approx. 6" Crushed Stone Base	668			PA					
4	FILL: SANDY LEAN CLAY AND LEAN TO FAT CLAY, TRACE GRAVEL, brown and dark brown	664.5		1	SS	12	16	16		
					PA					
				2	SS	10	12	19		
6	BURIED TOPSOIL: LEAN TO FAT CLAY, TRACE GRAVEL, dark gray/black	662.5			PA					
9	LEAN TO FAT CLAY, TRACE SAND, brown, very stiff	659.5	CL/CH	3	SS	10	10	23 / 26		5500*
					PA					
10	SILTY FINE TO MEDIUM SAND, WITH GRAVEL, brown	658.5	CL/CH SM	4	SS	12	10	24 / 8		4000*
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				BORING STARTED	2-27-07
WL	∇ NONE	WD	∇ NONE AB	BORING COMPLETED	2-27-07
WL	∇		∇	RIG	FOREMAN MD
WL				APPROVED KND	JOB # 11065237

Terracon

BORE2 11065237.GPJ TERRACON.GDT 5/24/07

LOG OF BORING NO. 17

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

Approx. Surface Elev.: 666.03 ft

Depth	DESCRIPTION	Elev.	USCS SYMBOL	NUMBER	TYPE	RECOVERY, in.	SPT - N ** BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf
1.5	Approx. 18" Topsoil	664.5			PA					
3	LEAN TO FAT CLAY, TRACE SAND, brown, stiff	663	CL/CH	1	SS	10	8	25 / 28		3500*
					PA					
4	LEAN CLAY, TRACE SAND, brown, stiff	662	CL	2	SS	8	11	17		2000*
10	GRAVELLY FINE TO MEDIUM SAND, WITH SILT, brown, medium dense to loose	656	SP-SM					10		
					PA					
			SP-SM	3	SS	9	13	13		
					PA					
			SP-SM	4	SS	10	8	4		
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				BORING STARTED	2-26-07
WL	∇ NONE	WD	∇ NONE AB	BORING COMPLETED	2-26-07
WL	∇		∇	RIG	FOREMAN MD
WL				APPROVED KND	JOB # 11065237

Terracon

BORE2 11065237.GPJ TERRACON.GDT 5/24/07

LOG OF BORING NO. 18

Page 1 of 1

CLIENT: Engineering Enterprises, Inc.
SITE: Route 30 and Orchard Road, Montgomery, Illinois
PROJECT: Proposed Baseline Road Realignment

Approx. Surface Elev.: 666.18 ft

Depth	DESCRIPTION	Elev.	USCS SYMBOL	NUMBER	TYPE	RECOVERY, in.	SPT - N ** BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf
3	TOPSOIL: LEAN TO FAT CLAY, TRACE SAND AND ORGANICS, dark brown/black	663			PA					
				1	SS	8	8	29		
					PA					
4	LEAN TO FAT CLAY, TRACE SAND AND ORGANICS, dark brown, stiff	662	CL/CH	2	SS	8	11	25		6000*
9	LEAN CLAY, TRACE SAND AND GRAVEL, brown, hard	657	CL					15		9000*
					PA					
			CL	3	SS	6	8	16		9000*
					PA					
				4	SS	8	12	3		
10	FINE TO MEDIUM SAND, WITH SILT, TRACE GRAVEL, brown	656	SP-SM							
	BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

**140 Lbs Automatic SPT Hammer
*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft				BORING STARTED	2-26-07
WL	∇ NONE	WD	∇ NONE AB	BORING COMPLETED	2-26-07
WL	∇		∇	RIG	FOREMAN MD
WL				APPROVED KND	JOB # 11065237

Terracon

BORE2 11065237.GPJ TERRACON.GDT 5/24/07

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE:
DATE: 03-26-09
DRAWN BY: KKP
CHECKED BY: TVW