

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
TRAFFIC SIGNAL INTERCONNECT**

DISTRICT 1

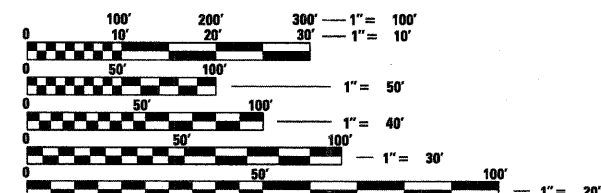
**CONGESTION MITIGATION AIR QUALITY  
RANDALL ROAD F.A.P. 336 INTERCONNECT**  
SECTION: 07-00366-00-TL  
PROJECT: CMM-9003(030)  
KANE COUNTY  
JOB NO: C-91-409-08

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES
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19-20	COMMUNICATIONS PLAN
21-42	FIBER SPLICING AND CONNECTION DETAILS
43	CCTV CAMERA INSTALLATION DETAILS

**LIST OF STATE STANDARDS**

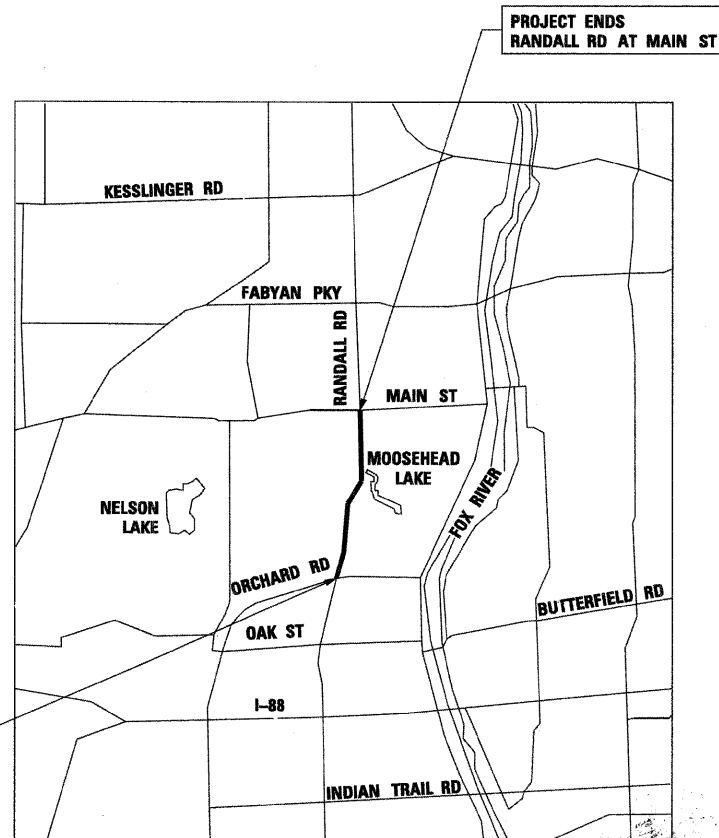
STANDARD NO.	DESCRIPTION
701101-02	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701421-02	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH TO 55 MPH
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROWLWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
814001-02	HANDHOLES



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  
OR 811

CONTRACT NO. 63128



LOCATION MAP  
LENGTH OF IMPROVEMENT = 2.0 MILES

**HNTB**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	07-00366-00-TL	KANE	43	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63128	



ILLINOIS DEPARTMENT OF TRANSPORTATION  
APPROVED FEBRUARY 18 20 09  
*[Signature]* COUNTY ENGINEER  
LOCAL AGENCY, POSITION

PASSED FEBRUARY 19 20 09  
*[Signature]* DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED REVIEW FEBRUARY 19, 20 09  
*[Signature]* DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

*[Signature]* ENGINEER  
DATE 2/17/2009  
YOUNGJAE JU  
ILLINOIS REGISTRATION No. 062-054024  
EXPIRATION DATE: 11/30/2009  
PROFESSIONAL DESIGN FIRM No. 184-000680  
EXPIRATION DATE: 4/30/2009

# SUMMARY OF QUANTITIES

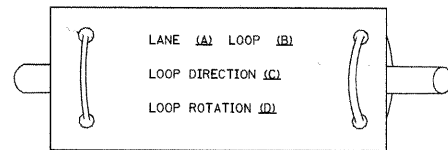
HNTB CORPORATION  
 1100 N. LAKE STREET  
 CHICAGO, ILL. 60606  
 (312) 530-9115  
**HNTB**  
 SURVEYED \_\_\_\_\_ DATE \_\_\_\_\_  
 PLOTTED \_\_\_\_\_ CHECKED \_\_\_\_\_  
 PLAN NOTE BOOK NO. \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ DATE \_\_\_\_\_  
 PLOTTED \_\_\_\_\_ CHECKED \_\_\_\_\_  
 PROFILE NOTE BOOK NO. \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ DATE \_\_\_\_\_  
 PLOTTED \_\_\_\_\_ CHECKED \_\_\_\_\_  
 STRUCTURE NOTATIONS CHKD \_\_\_\_\_

CODE NUMBER	ITEM	UNIT	ORCHARD ROAD / TOLLWAY RAMPS A & B	ORCHARD ROAD / ORCHARD GATEWAY ROAD	ORCHARD ROAD / OAK STREET	ORCHARD ROAD / WHITE OAK DRIVE	ORCHARD ROAD / COMISKEY AVENUE	ORCHARD ROAD / RANDALL ROAD	RANDALL ROAD / DOGWOOD DRIVE	RANDALL ROAD / MAIN STREET	RANDALL ROAD / WILSON STREET	RANDALL ROAD / McKEE STREET	RANDALL ROAD / MILL STREET	RANDALL ROAD / FABYAN PARKWAY	INTERCONNECT	TOTAL QUANTITY
67100100	MOBILIZATION	L SUM													1	1
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM													1	1
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT													10349	10349
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT													2102	2102
81400100	HANDHOLE	EACH													18	18
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT													9349	9349
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	1	1	1	1	1	1	1	1	1	1		12
87900200	DRILL EXISTING HANDHOLE	EACH													2	2
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT													11018	11018
X0323898	CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH								1						1
X0324243	CLOSED CIRCUIT TELEVISION VIDEO CODEC	EACH						1		1						2
X0325462	MEDIA CONVERTER	EACH	2				1							2		5
X8710071	FIBER OPTIC FUSION SPLICE	EACH	18	12	18	18	18	24	6	18				22		154
XX006654	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT													18447	18447
XX006655	LAYER II (DATALINK) SWITCH	EACH	1					1		1						4
XX007948	FIBER OPTIC INTERCONNECT CENTER	EACH	1	1	1	1	1	1	1	1				1		9
XX007949	UNMANAGED SWITCH	EACH					1		1							2
XX007950	FIBER OPTIC PIGTAIL	EACH	18	6	12	12	12	24	6	18				20		128
XX007951	FIBER OPTIC JUMPER	EACH	8	2	4	4	4	8	2	6				8		46
XX007952	TERMINAL SERVER	EACH	1				1							1		3
XX007953	NETWORK CONFIGURATION	L SUM													1	1

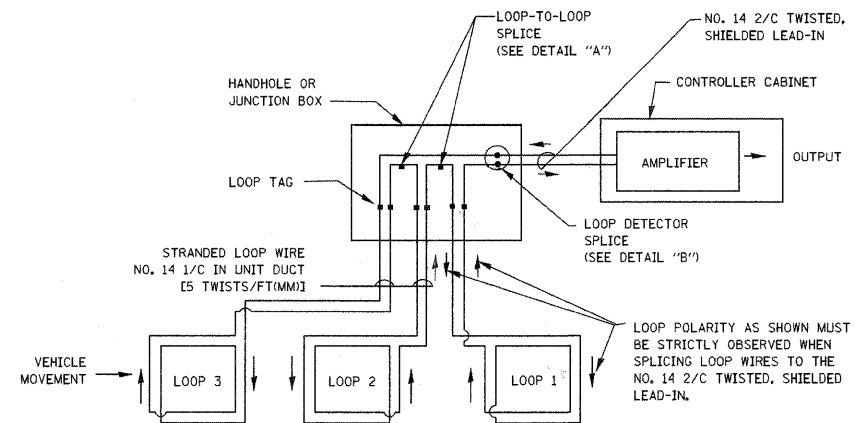
**LOOP DETECTOR NOTES**

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**

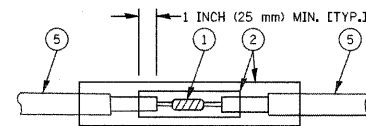


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

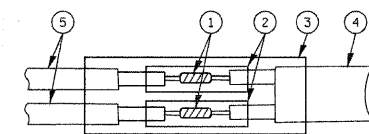


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2000-087 TS	COOK	20	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY

PLAN	NOTE BOOK NO.
PROFILE	NOTE BOOK NO.

DATE	BY
DATE	BY
DATE	BY

#FILES  
\*DATE-TIME\*  
\*DGN-SPEC\*

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DISTRICT ONE  
STANDARD TRAFFIC SIGNAL  
DESIGN DETAILS  
SCALE: VERT. NONE  
HORIZ. DATE 1-01-02  
DRAWN BY: RWP  
DESIGNED BY: DAZ  
CHECKED BY: DAZ  
SHEET 1 OF 4

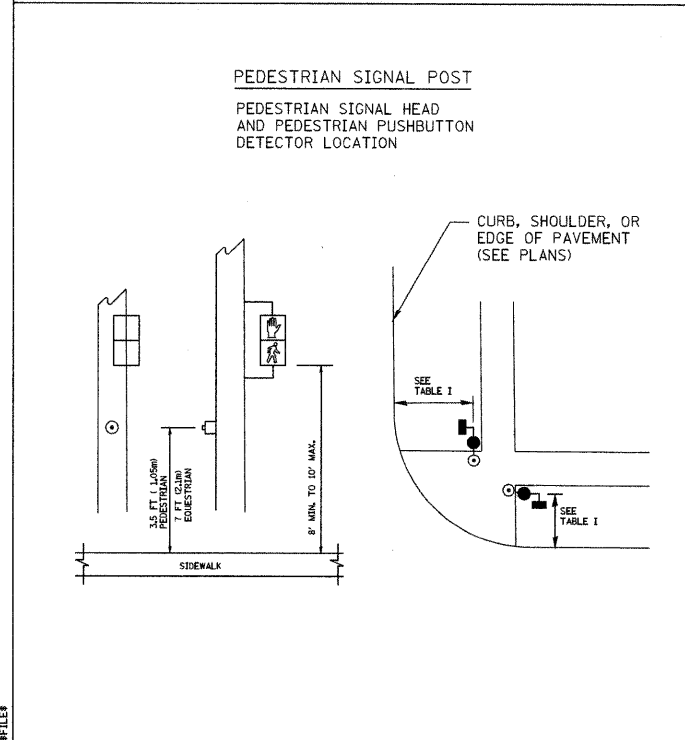
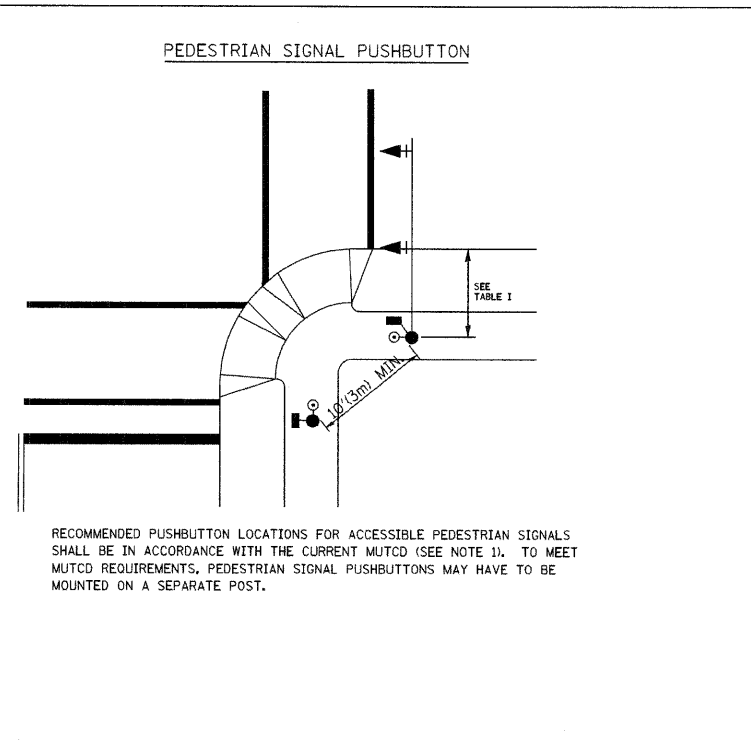
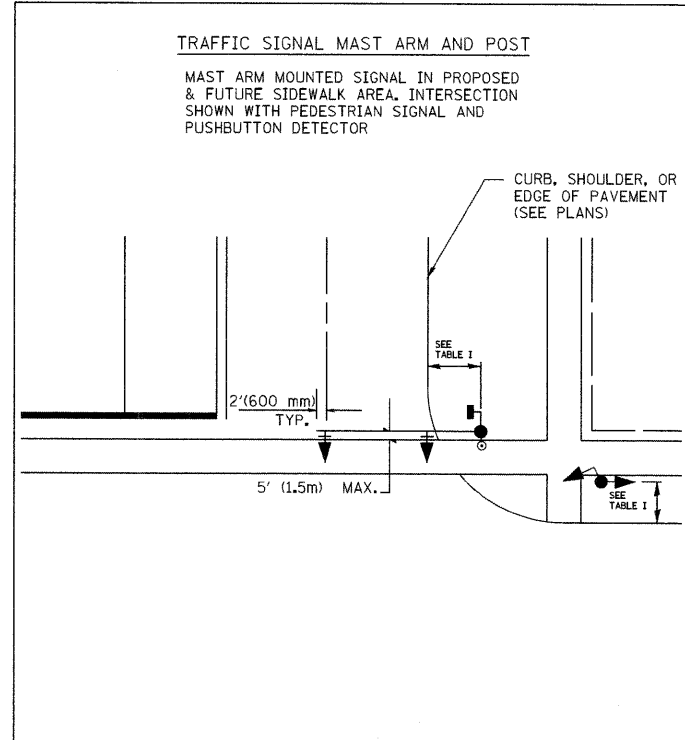
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**DGN-SPEC**		CHECKED YOUNGJAE JU	REVISED -
	PLOT SCALE =	DRAWN JOSH ZVOLANEK	REVISED -
	PLOT DATE = 11-FEB-2009	DATE 2/20/2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT DISTRICT 1 STANDARD TRAFFIC SIGNAL  
DESIGN DETAILS (1 OF 4)**  
SCALE:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	07-00366-00-TL	KANE	43	3
				CONTRACT NO. 63128
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE BY DATE BY DATE BY  
 SURVEYED PLOTTED CHECKED BY  
 PLAN NOTE BOOK NO. FILED BY  
 HNTB CORPORATION  
 1117 N. CANAL STREET  
 CHICAGO, ILL. 60606  
 (312) 300-9119  
**HNTB**  
 SURVEYED PLOTTED CHECKED BY  
 PROFILE NOTE BOOK NO. FILED BY  
 STRUCTURE NOTATIONS CHKD



**NOTES:**

- 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.
- 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.
- 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.
- 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)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2000-087 TS	COOK	20	5
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND CUTTER (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 1  
 STANDARD TRAFFIC SIGNAL  
 DESIGN DETAILS

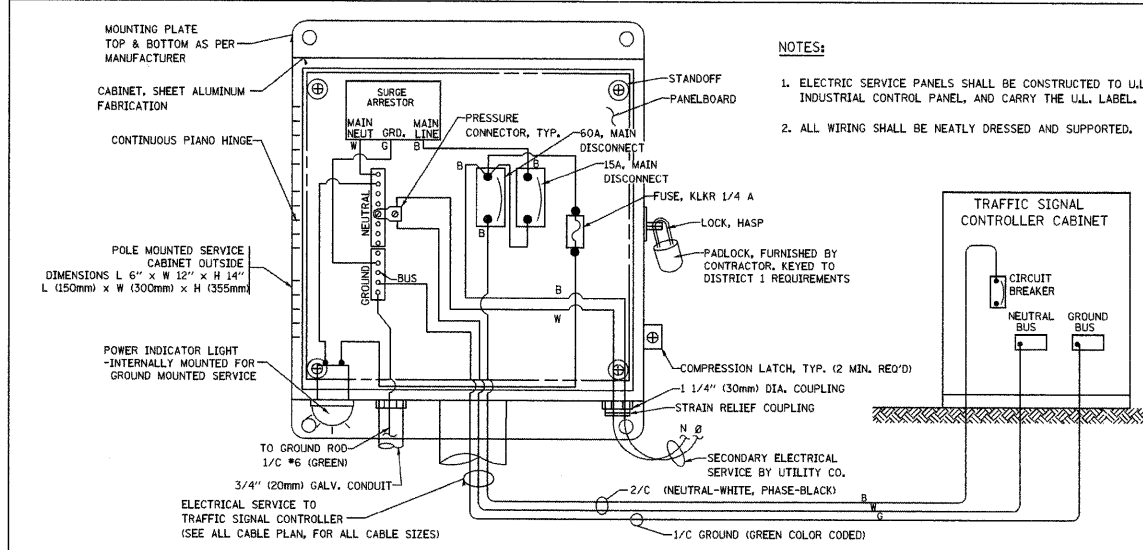
SCALE: VERT. NONE  
 HORIZ. DATE 1-01-02

DRAWN BY: RWP  
 DESIGNED BY: DAD  
 CHECKED BY: DAZ  
 SHEET 2 OF 4

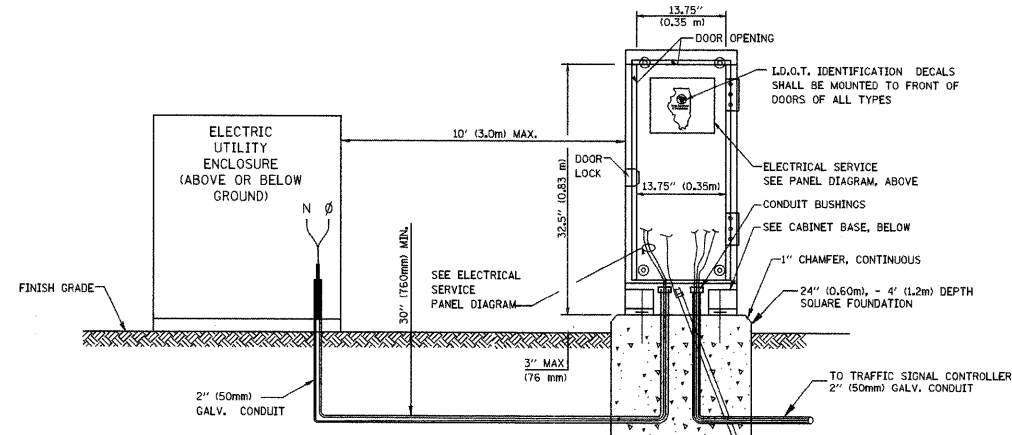
TS05



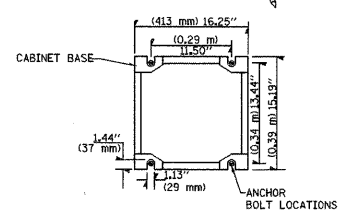
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 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_ NOTE BOOK NO. \_\_\_\_\_  
 HNTB CORPORATION, 1100 N. MICHIGAN STREET, SUITE 1200, CHICAGO, IL 60606, (312) 930-9115  
**HNTB**  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_ NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATION: CRK



**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)

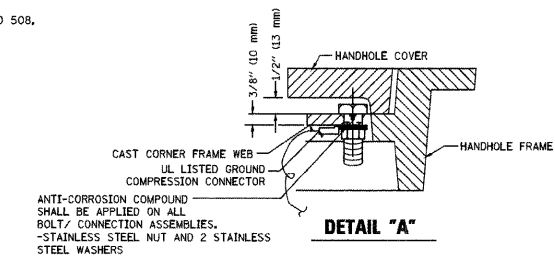


**SERVICE INSTALLATION GROUND MOUNT**  
 (NOT TO SCALE)

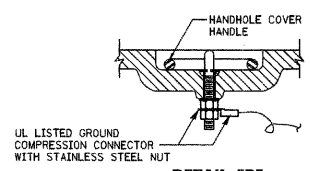


**CABINET - BASE BOLT PATTERN**  
 (NOT TO SCALE)

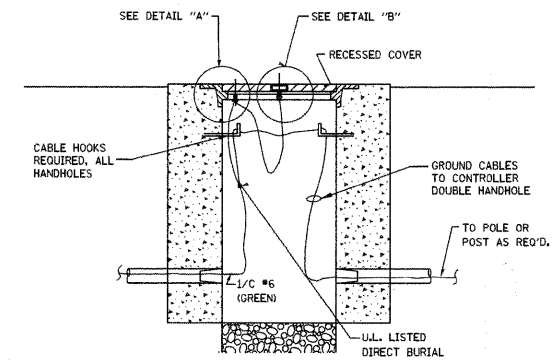
- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
  2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



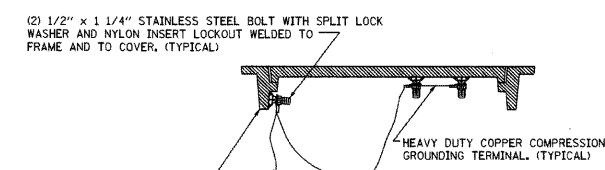
**DETAIL "A"**



**DETAIL "B"**



**HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
 (NOT TO SCALE)

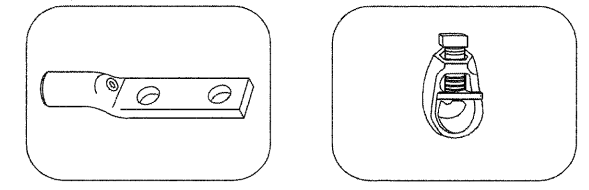


**EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL**  
 (NOT TO SCALE)

- NOTES:**

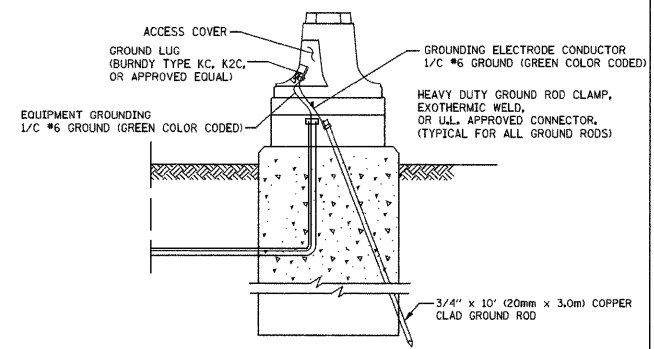
**GROUNDING SYSTEM**

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.



**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.



**MAST ARM POLE / POST-GROUNDING DETAIL**  
 (NOT TO SCALE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT 1**  
**STANDARD TRAFFIC SIGNAL**  
**DESIGN DETAILS**  
 SCALE: VERT. NONE  
 HORIZ. 1-01-02  
 DRAWN BY: RWP  
 DESIGNED BY: DAD  
 CHECKED BY: DAZ  
 SHEET 3 OF 4

TS05

FILE NAME =  
 ##DGN5PEC##

USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISED -
PLOT SCALE =	CHECKED YOUNGJAE JU	REVISED -
PLOT DATE = 11-FEB-2009	DRAWN JOSH ZVOLANEK	REVISED -
	DATE 2/20/2009	REVISED -

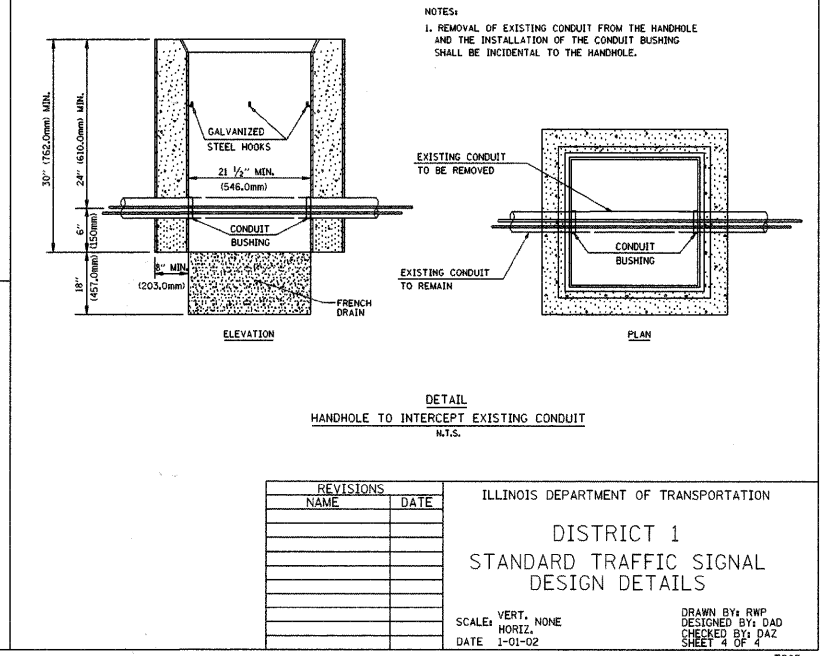
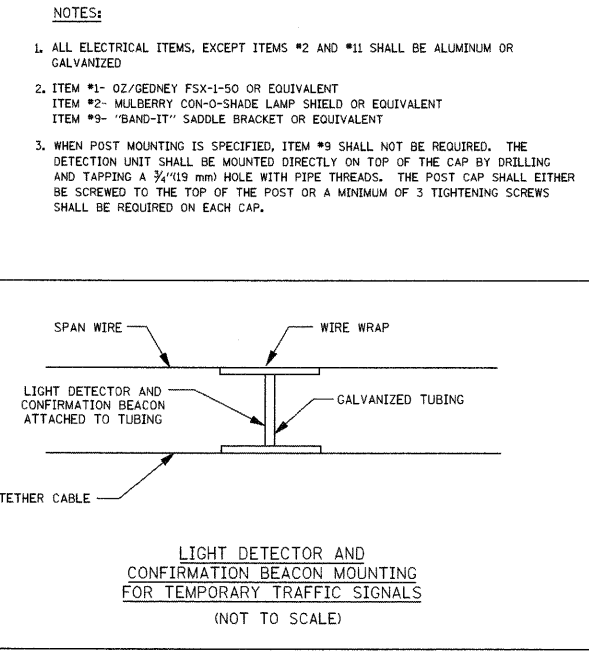
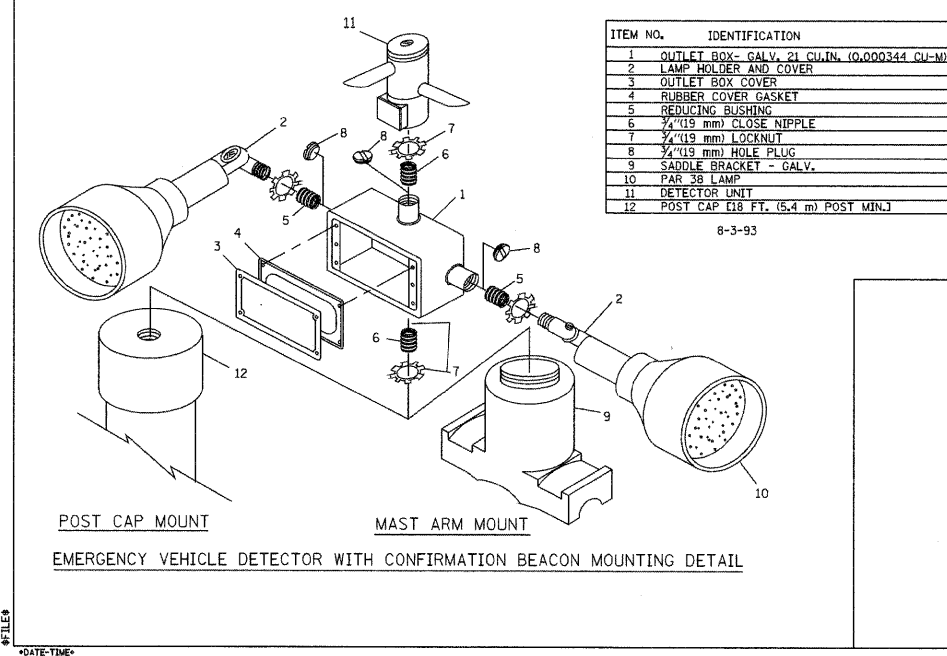
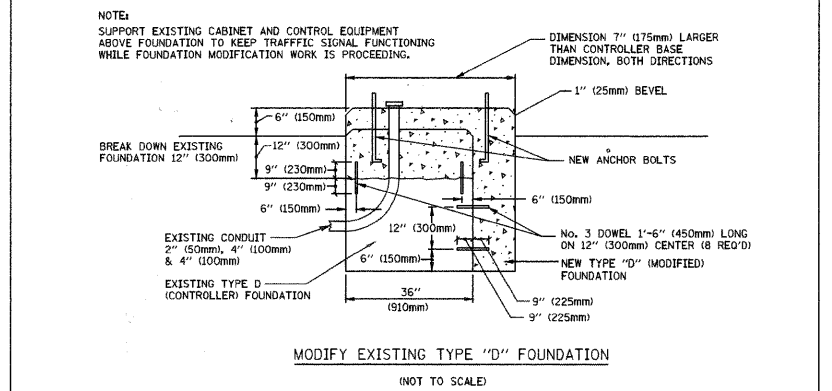
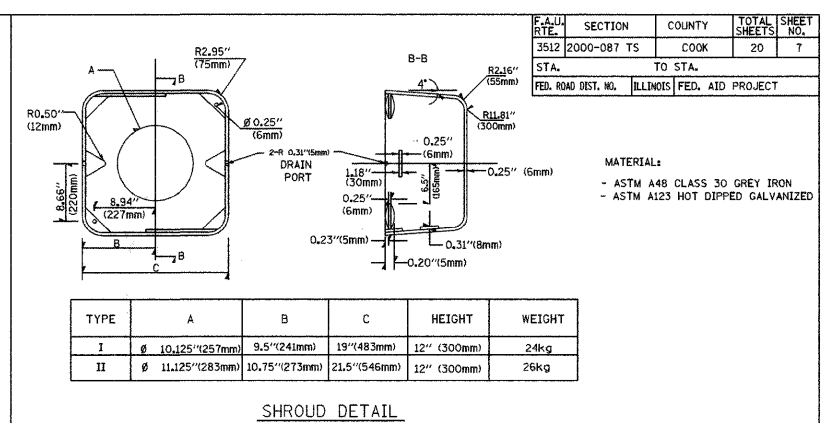
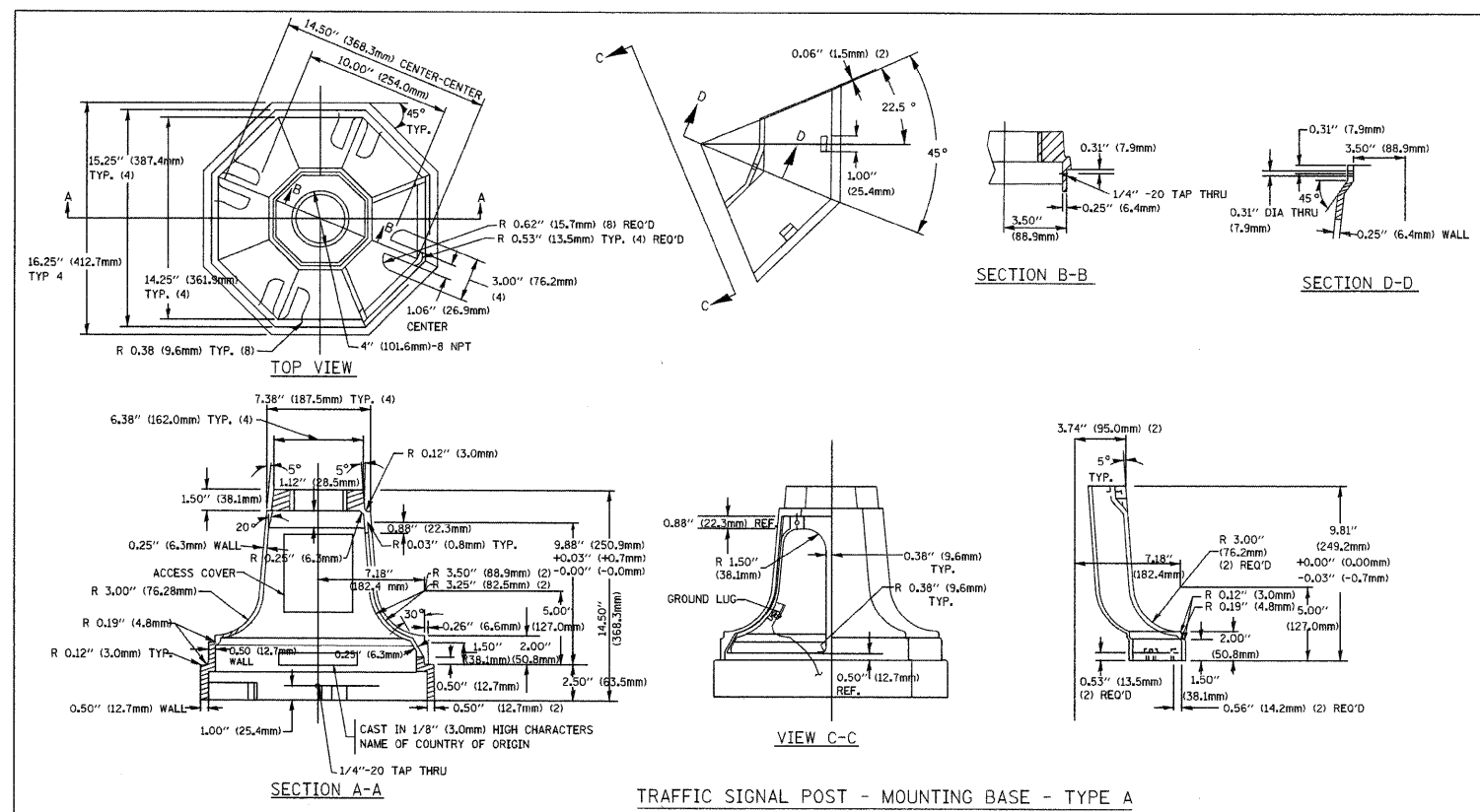
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IDOT DISTRICT 1 STANDARD TRAFFIC SIGNAL**  
**DESIGN DETAILS (3 OF 4)**  
 SCALE:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	2000-087 TS	COOK	20	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
			CONTRACT NO. 63128	

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_

**HNTB**



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DISTRICT 1  
 STANDARD TRAFFIC SIGNAL  
 DESIGN DETAILS

SCALE: VERT. NONE  
 HORIZ. 1"=1'-00"  
 DATE 1-01-02

DRAWN BY: RWP  
 DESIGNED BY: DAD  
 CHECKED BY: DAZ  
 SHEET 4 OF 4

# FOR INFORMATION ONLY

NOTE: PROPOSED INTERCONNECT CABLE NOT SHOWN ON SCHEMATIC.

### SCHEDULE OF QUANTITIES

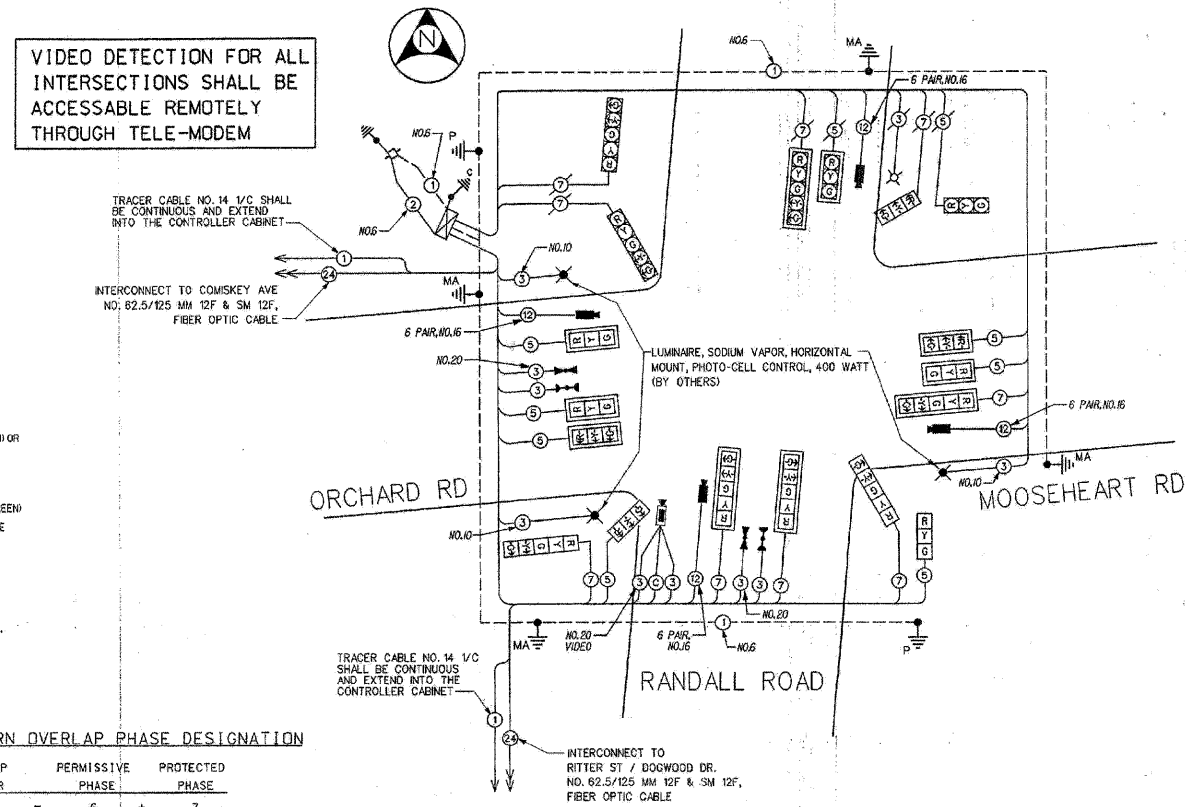
QTY	UNIT	ITEM DESCRIPTION
73	SQ FT	SIGN PANEL - TYPE 1
25	SQ FT	SIGN PANEL - TYPE 2
1	EACH	SERVICE INSTALLATION, POLE MOUNTED
24	FOOT	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL
33	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
106	FOOT	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL
1	EACH	HANDHOLE TO BE ADJUSTED
24	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	TRANSCIVER - FIBER OPTIC
867	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 8 1/2
288	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/0
1696	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/0
1499	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/0
1207	FOOT	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18-8 PAIR
646	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3/0, TWISTED, SHIELDED
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT
4	FOOT	CONCRETE FOUNDATION, TYPE A
15	FOOT	CONCRETE FOUNDATION, TYPE E
30	FOOT	CONCRETE FOUNDATION, TYPE E
4	EACH	DRILL EXISTING HANDHOLE
5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
8	EACH	TRAFFIC SIGNAL BACKPLATE
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1787	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE EXISTING HANDHOLE
4	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	VIDEO VEHICLE DETECTION SYSTEM
179	FOOT	ELECTRIC CABLE IN CONDUIT, COAXIAL
1	EACH	TRAFFIC SIGNAL BATTERY BACKUP
1	EACH	REMOTE-CONTROLLED VIDEO SYSTEM
1	EACH	VIDEO TRANSMISSION SYSTEM

### CABLE PLAN LEGEND

- EXISTING: 8" (203mm) TRAFFIC SIGNAL SECTION
- PROPOSED: 12" (305mm) TRAFFIC SIGNAL SECTION
- 12" (305mm) PEDESTRIAN SIGNAL SECTION
- 12" (305mm) PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- TELEPHONE CONNECTION
- MAGNETIC DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- IDENTIFIES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD
- RAILROAD CONTROL CABINET
- ILLUMINATED SIGNAL FIBER OPTIC "NO LEFT TURN"
- ILLUMINATED SIGNAL FIBER OPTIC "NO RIGHT TURN"
- GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H) OR CONTROLLER (C)
- GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER GREEN
- NO. 82.5/125 MM 12F & 5M 12F, FIBER OPTIC CABLE
- NO. 8281 COAXIAL CABLE
- VIDEO DETECTION CAMERA
- DOVE P.Z.T. CAMERA
- LUMINAIRE, SODIUM VAPOR, HORIZ. MOUNT PHOTO CELL CONTROL, 310 W, 120 V BALLAST

NOTE: ALL NEW GROUND RODS SHALL BE 3/4" 18" LONG COPPER CLAD. THE COST SHALL BE INCIDENTAL TO THE COST OF INSTALLATION.

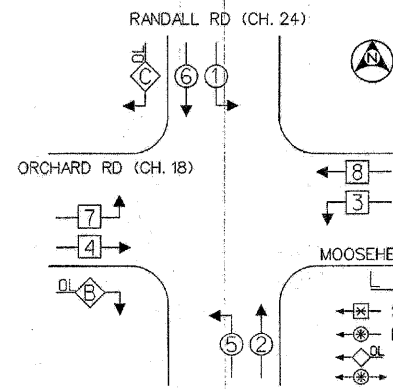
### PROPOSED CABLE PLAN



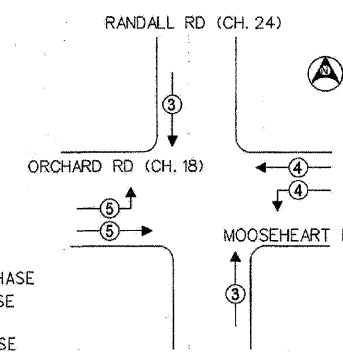
### RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6	+ 7
B	= 4	+ 5

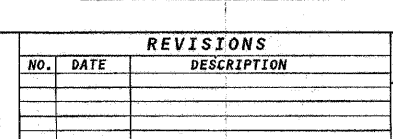
### PROPOSED CONTROLLER SEQUENCE



### EMERGENCY VEHICLE PREEMPTION SEQUENCE



### PHASE DESIGNATION DIAGRAM



- ### LEGEND
- SINGLE ENTRY PHASE
  - ⊕ DUAL ENTRY PHASE
  - ⊖ OVERLAP
  - ⊙ PEDESTRIAN PHASE
  - \* NUMBER REFERS TO ASSOCIATED PHASE.

### EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	↑	←	→

THE LIGHT DETECTORS AND LIGHT DETECTOR AMPLIFIER FOR THIS PROJECT SHALL BE "TOMAR OR OPTICOM" TO MEET LOCAL FIRE DEPARTMENT REQUIREMENTS.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ALL INDICATIONS SHALL BE LED

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, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOO, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

TYPE	NO. OF LAMPS	INCAND	LED	XX OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	14	135	17	0.50	119
(YELLOW)	14	135	25	0.25	87.5
(GREEN)	14	135	15	0.25	52.5
ARROW	28	135	12	0.10	33.6
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	
FLASHER					0.50
ENERGY COSTS TO:					TOTAL = 392.6

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 = (6.1+L-1.0)
E - M ARM POLE	2 (0.6)	SIGNAL POST	2 (0.6)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.3)	POST MOUNTED	6 (1.8)

VILLAGE OF NORTH AURORA  
ILLINOIS 60133  
ENERGY SUPPLY - CONTACT:  
PHONE:  
COMPANY: COMED



**METRO TRANSPORTATION GROUP, INC.**  
TRAFFIC ENGINEERING, TRANSPORTATION PLANNING  
AND SIGNAL SYSTEMS/DESIGN  
3100 W. HIGGINS ROAD, HOFFMAN ESTATES, IL 60195 PH# 630 213-1000

### REVISIONS

NO.	DATE	DESCRIPTION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES**  
RANDALL ROAD @ ORCHARD ROAD (CH. 18) AND MOOSEHEART ROAD  
NORTH AURORA, ILLINOIS

FILE NAME: 14-op.dgn	SHEET NO.: 14
DATE: OCTOBER 31, 2006	OF 22
PROJECT NO.: H0510-03	

DATE	BY	DATE	BY

PLAN SURVEYED, PLOTTED, CHECKED, NOTE BOOK NO., DATE, FILE NAME

PROFILE SURVEYED, PLOTTED, CHECKED, NOTE BOOK NO., DATE, FILE NAME

STRUCTURE NOTATIONS OK'D

FILE NAME =	USER NAME = jzvolanek	DESIGNED = JOSH ZVOLANEK	REVISED = -
##DGN SPEC##	CHECKED = YOUNGJAE JU	REVISIONS = -	
	DRAWN = JOSH ZVOLANEK	REVISIONS = -	
	DATE = 2/20/2009	REVISIONS = -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN  
RANDALL ROAD AT ORCHARD ROAD  
SCALE:

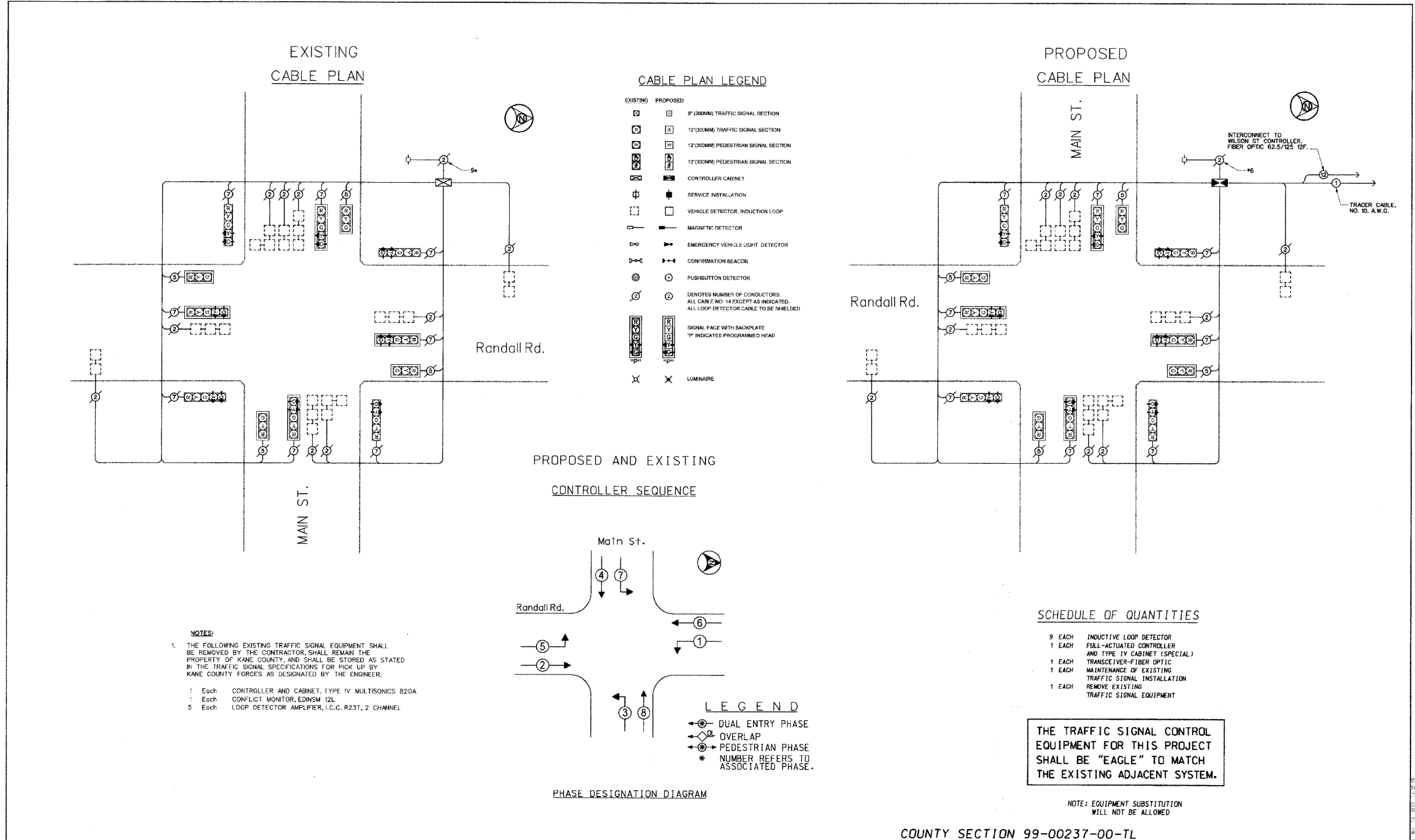
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	07-00366-00-TL	KANE	43	7
CONTRACT NO. 63128				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

NOTE: PROPOSED INTERCONNECT CABLE, CCTV CABLE, AND EXISTING EVP NOT SHOWN ON SCHEMATIC.

DATE	BY	DATE	BY
DATE	BY	DATE	BY

**HNTB**  
 HNTB CORPORATION  
 SUITE 1200  
 100 W. WASHINGTON ST.  
 CHICAGO, IL 60606  
 312.330.9119



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



**METRO TRANSPORTATION GROUP, INC.**  
 TRANSPORTATION PLANNING, ENGINEERING AND DESIGN  
 1300 GREENBROOK, HANOVER PARK, IL 60103 PH# 630 213-1000

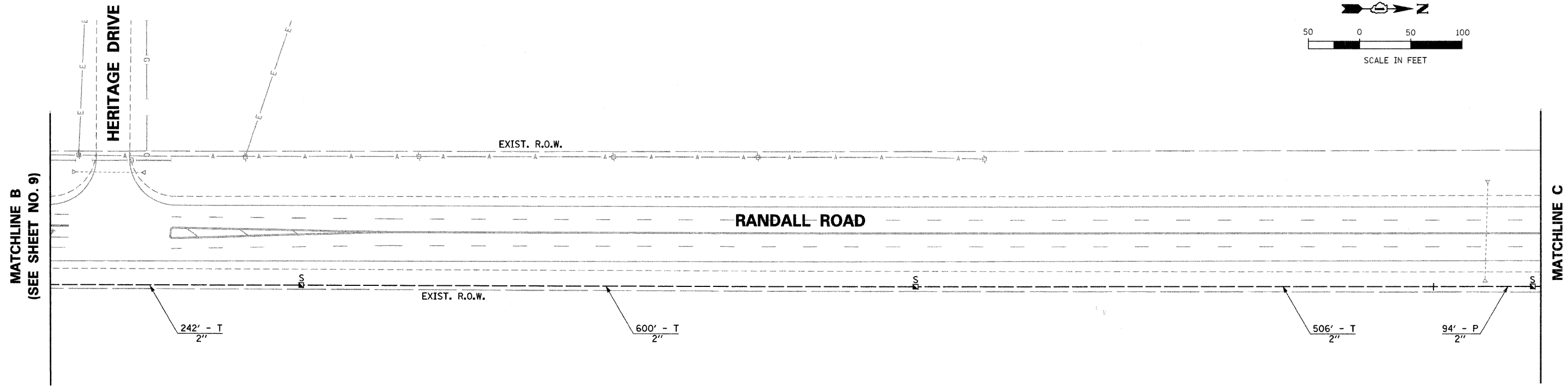
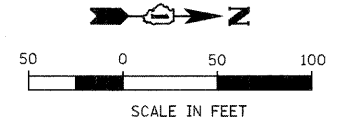
REVISIONS		
NO.	DATE	DESCRIPTION
1	04/15/99	ADD INTERCONNECT

**CABLE PLAN, PHASE DESIGNATION DIAGRAM and SCHEDULE OF QUANTITIES**  
 RANDALL RD. @ MAIN ST  
 BATAVIA, ILLINOIS

FILE NAME: main_cp.dgn	SHEET NO.:
DATE: Apr 11 15, 1999	<b>3</b>
PROJECT NO.:	OF 24
3857-00	

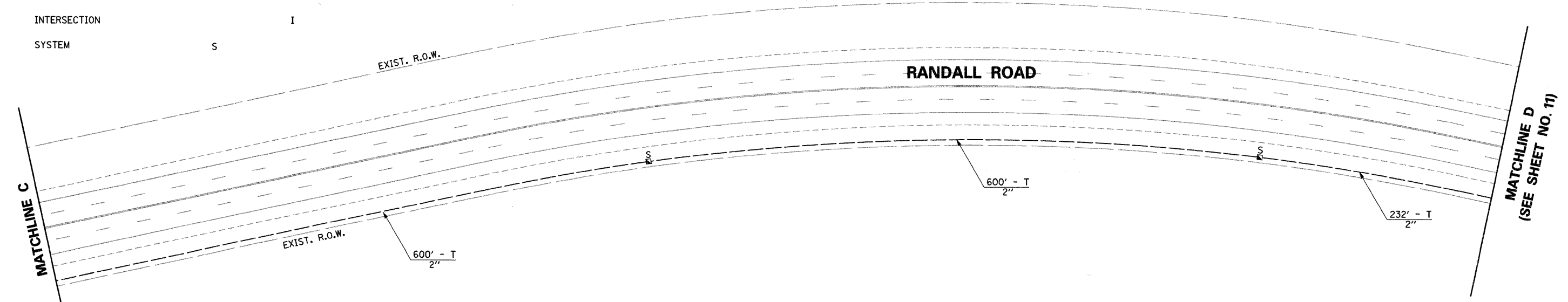
FILE NAME = ##DGN SPEC##	USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN RANDALL ROAD AT MAIN STREET	F.A. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	8	
	PLOT DATE = 11-FEB-2009	DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					





**INTERCONNECT PLAN LEGEND**

	PROPOSED	EXISTING
CABINET		☒
HANDHOLE	◼	◻
DOUBLE HANDHOLE		◻
HEAVY-DUTY HANDHOLE		◻
CCTV DOME CAMERA	◻	◻
G.S. CONDUIT IN GROUND	---	---
INTERSECTION		I
SYSTEM	S	



NOTE: SYSTEM HANDHOLES SHALL BE PLACED AS CLOSE TO THE R.O.W. AS POSSIBLE.

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.

DATE	BY	DATE	BY
DATE	BY	DATE	BY

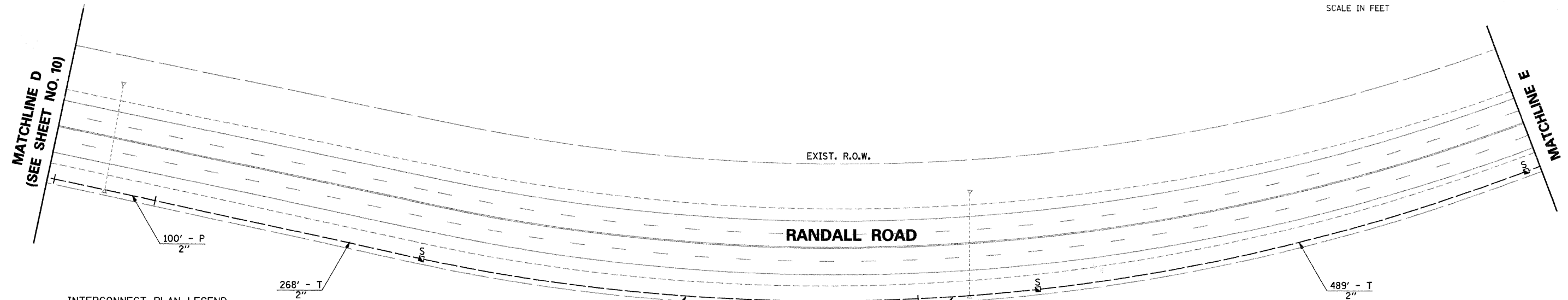
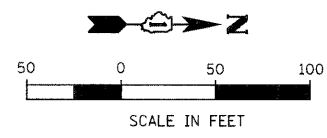
PLAN  
NOTE BOOK  
NO.

HNTB CORPORATION  
SUITE 1200  
CHICAGO, IL 60606  
312/530-9115



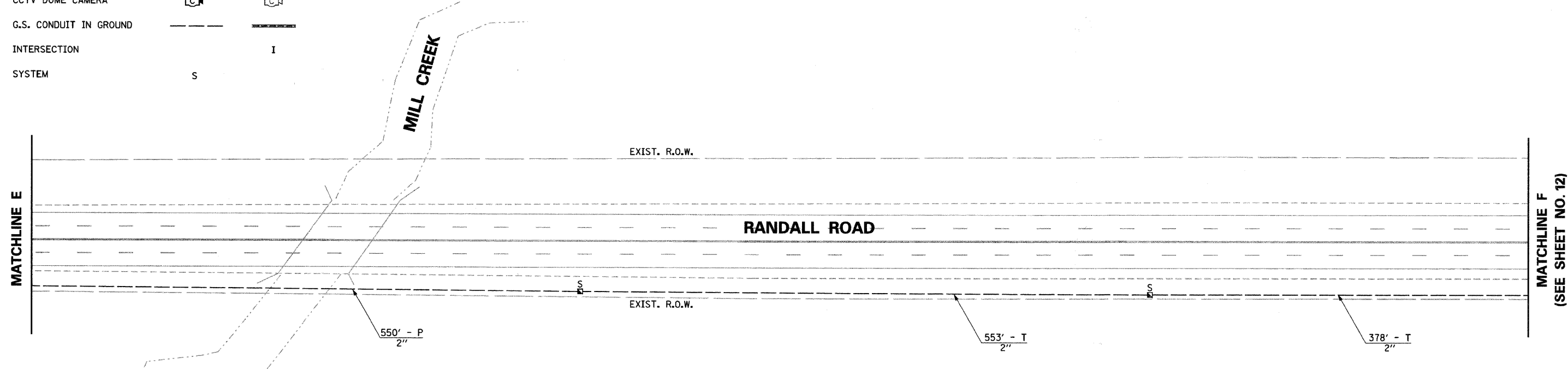
PROFILE  
NOTE BOOK  
NO.

FILE NAME = ##DGN:SPEC##	USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INTERCONNECT PLAN RANDALL ROAD ORCHARD ROAD TO FABYAN PARKWAY</b>	F.A. RTE. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 10	
	PLOT SCALE =	CHECKED YOUNGJAE JU	REVISED -			SCALE: 1" = 50'					
	PLOT DATE = 11-FEB-2009	DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



**INTERCONNECT PLAN LEGEND**

	PROPOSED	EXISTING
CABINET		☒
HANDHOLE	■	□
DOUBLE HANDHOLE		☒
HEAVY-DUTY HANDHOLE		☒
CCTV DOME CAMERA	📷	📷
G.S. CONDUIT IN GROUND	---	---
INTERSECTION		I
SYSTEM	S	



NOTE: SYSTEM HANDHOLES SHALL BE PLACED AS CLOSE TO THE R.O.W. AS POSSIBLE.

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.

DATE	BY	DATE	BY
DATE	BY	DATE	BY

**HNTB**  
 HNTB CORPORATION  
 SUITE 1200  
 111 W. WASHINGTON STREET  
 CHICAGO, IL 60606  
 (312) 330-9119

FILE NAME = ##DGN SPEC##	USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISED -
		CHECKED YOUNGJAE JU	REVISED -
		DRAWN JOSH ZVOLANEK	REVISED -
		DATE 2/20/2009	REVISED -

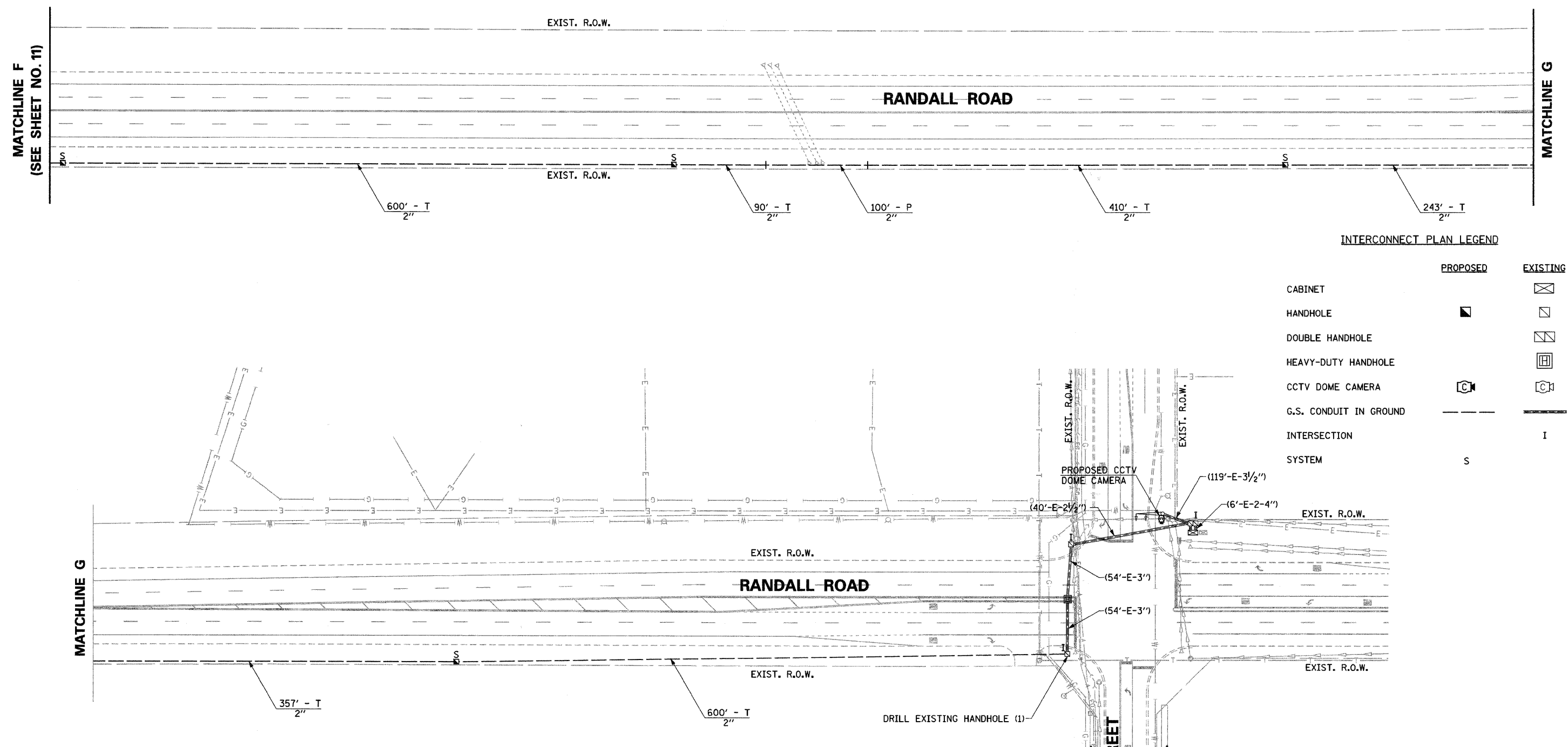
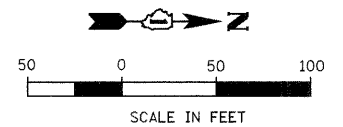
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN**  
 RANDALL ROAD  
 ORCHARD ROAD TO FABYAN PARKWAY

SCALE: 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	07-00366-00-TL	KANE	43	11
CONTRACT NO. 63128				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





**INTERCONNECT PLAN LEGEND**

	PROPOSED	EXISTING
CABINET		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY-DUTY HANDHOLE		
CCTV DOME CAMERA		
G.S. CONDUIT IN GROUND		
INTERSECTION		
SYSTEM	S	

NOTE: SYSTEM HANDHOLES SHALL BE PLACED AS CLOSE TO THE R.O.W. AS POSSIBLE.

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.

DATE	BY	DATE	BY
DATE	BY	DATE	BY

FILE NAME =	USER NAME = jzvolanek	DESIGNED	JOSH ZVOLANEK	REVISED	-
#DGN SPEC**		CHECKED	YOUNGJAE JU	REVISED	-
		PLOT SCALE =	JOSH ZVOLANEK	REVISED	-
		PLOT DATE = 11-FEB-2009	DATE	2/20/2009	REVISED

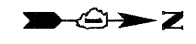
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN**  
RANDALL ROAD  
ORCHARD ROAD TO FABYAN PARKWAY

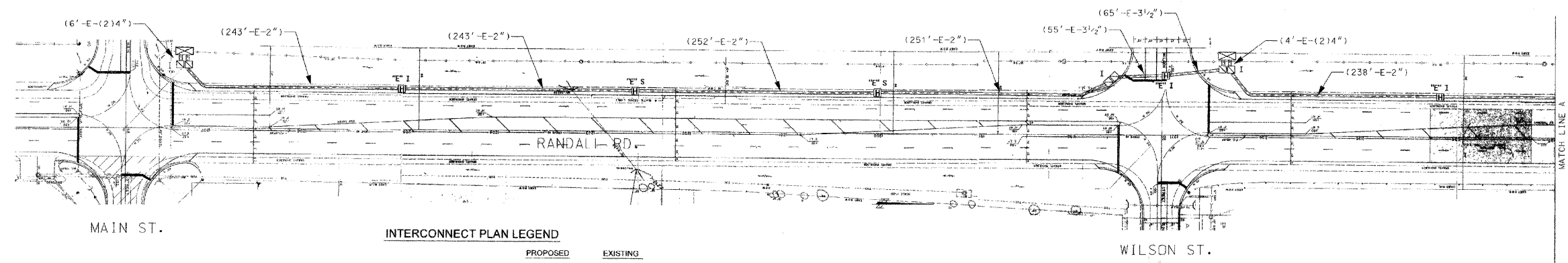
SCALE: 1" = 50'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	07-00366-00-TL	KANE	43	12
				CONTRACT NO. 63128



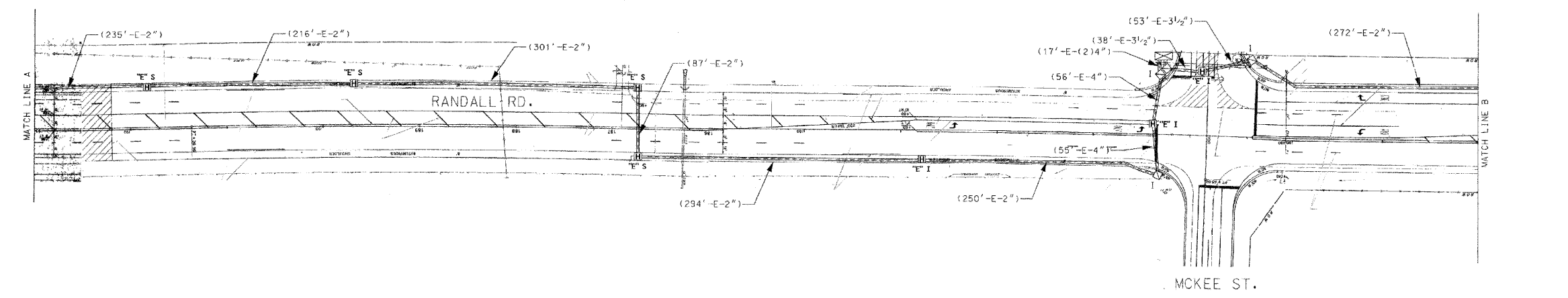
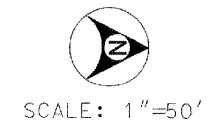


# FOR INFORMATION ONLY



### INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY-DUTY HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	I



COUNTY SECTION 99-00237-00-TL



**METRO TRANSPORTATION GROUP, INC.**  
 TRANSPORTATION PLANNING, ENGINEERING AND DESIGN  
 1300 GREENBROOK, HANOVER PARK, IL 60103 PH# 630 213-1000

REVISIONS		
NO.	DATE	DESCRIPTION

**INTERCONNECT PLAN**  
 RANDALL RD. (MAIN ST. TO KESLINGER RD.)  
 GENEVA / BATAVIA, ILLINOIS

FILE NAME: ic_1.dgn	SHEET NO.:
DATE: Apr 11 15, 1999	<b>15</b>
PROJECT NO.:	OF 24
3857-00	

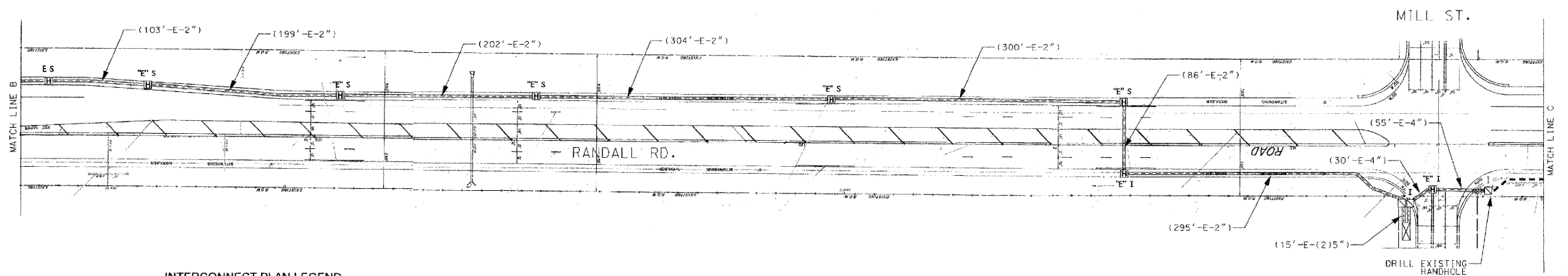
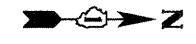
NOTE: RANDALL ROAD INTERCONNECT PLAN FROM MAIN STREET TO KESLINGER ROAD PROVIDED TO SHOW EXISTING CONDUIT ROUTING. PROPOSED WORK INCLUDES FIBER OPTIC CABLE INSTALLATION PER INTERCONNECT SCHEMATIC SHOWN ON SHEET NO. 18.

FILE NAME = **DGN SPEC**	USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>INTERCONNECT PLAN</b> RANDALL ROAD ORCHARD ROAD TO FABYAN PARKWAY	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	13
	PLOT DATE = 11-FEB-2009	DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128				
	DATE 2/20/2009	REVISED -		SCALE:						
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT										

DATE	DATE
BY	BY
SURVEYED	SURVEYED
PLANNED	PLANNED
CHECKED	CHECKED
DATE	DATE
NO.	NO.

**HNTB**

HNTB CORPORATION  
 1100 N. LAKE STREET  
 SUITE 2000  
 CHICAGO, IL 60606  
 (312) 930-9119

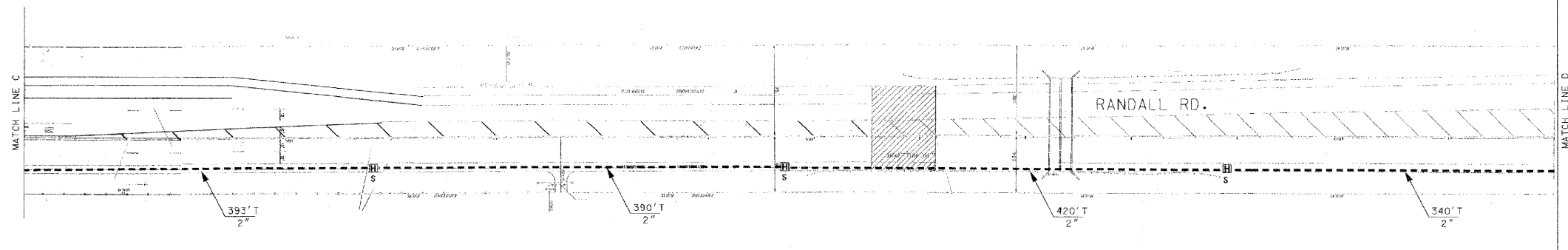


**INTERCONNECT PLAN LEGEND**

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY-DUTY HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	I



SCALE: 1"=50'



**FOR INFORMATION ONLY**

COUNTY SECTION 99-00237-00-TL



**METRO TRANSPORTATION GROUP, INC.**  
 TRANSPORTATION PLANNING, ENGINEERING AND DESIGN  
 1300 GREENBROOK, HANOVER PARK, IL 60103 PH# 630 213-1000

REVISIONS		
NO.	DATE	DESCRIPTION

**INTERCONNECT PLAN**  
 RANDALL RD. (MAIN ST. TO KESLINGER RD.)  
 GENEVA / BATAVIA, ILLINOIS

FILE NAME: ig_2_1c.dgn	SHEET NO.:
DATE: APR 11 15.1999	<b>16</b>
PROJECT NO.:	OF 24
3857-00	

NOTE: RANDALL ROAD INTERCONNECT PLAN FROM MAIN STREET TO KESLINGER ROAD PROVIDED TO SHOW EXISTING CONDUIT ROUTING. PROPOSED WORK INCLUDES FIBER OPTIC CABLE INSTALLATION PER INTERCONNECT SCHEMATIC SHOWN ON SHEET NO. 18.

FILE NAME = ##0GNSPEC##	USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INTERCONNECT PLAN</b> RANDALL ROAD ORCHARD ROAD TO FABYAN PARKWAY	F.A. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	14	
		PLOT SCALE =	DRAWN JOSH ZVOLANEK			REVISED -	CONTRACT NO. 63128				
		PLOT DATE = 11-FEB-2009	DATE 2/20/2009			REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	BY	DATE	BY
DATE	BY	DATE	BY

PLAN NOTE BOOK NO. \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 DATE FILE NAME \_\_\_\_\_

PROFILE NOTE BOOK NO. \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 DATE FILE NAME \_\_\_\_\_

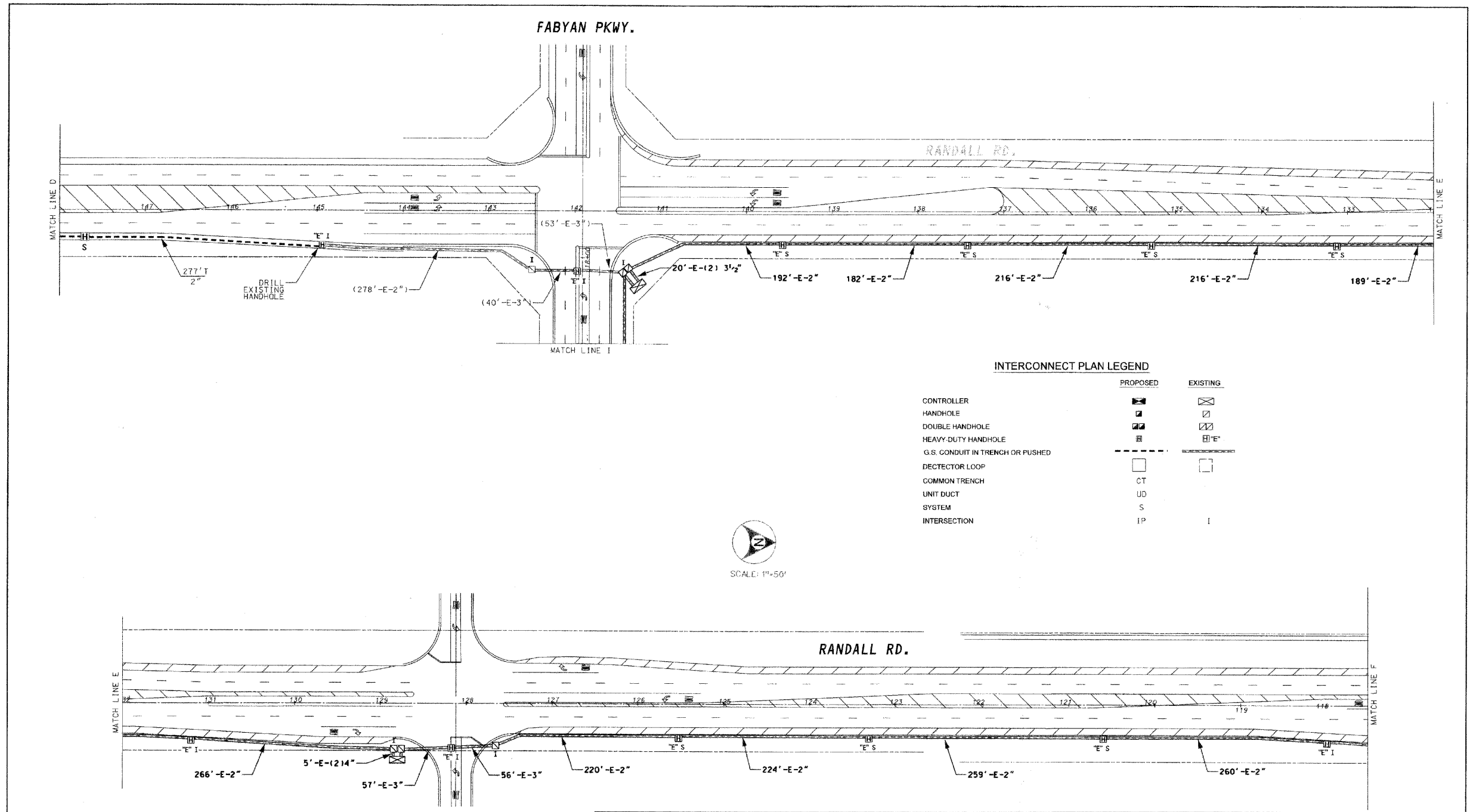
**HNTB**

HNTB CORPORATION  
 1100 LEXINGTON STREET  
 SUITE 200  
 CHICAGO, IL 60606  
 312 930-9119



DATE	BY	DATE	BY
DATE	BY	DATE	BY

DATE	BY



**INTERCONNECT PLAN LEGEND**

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY-DUTY HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	I



**FOR INFORMATION ONLY**



**METRO TRANSPORTATION GROUP, INC.**  
 TRANSPORTATION PLANNING, ENGINEERING AND DESIGN  
 1300 GREENBROOK, HANOVER PARK, IL 60103 PH# 630 213-1000

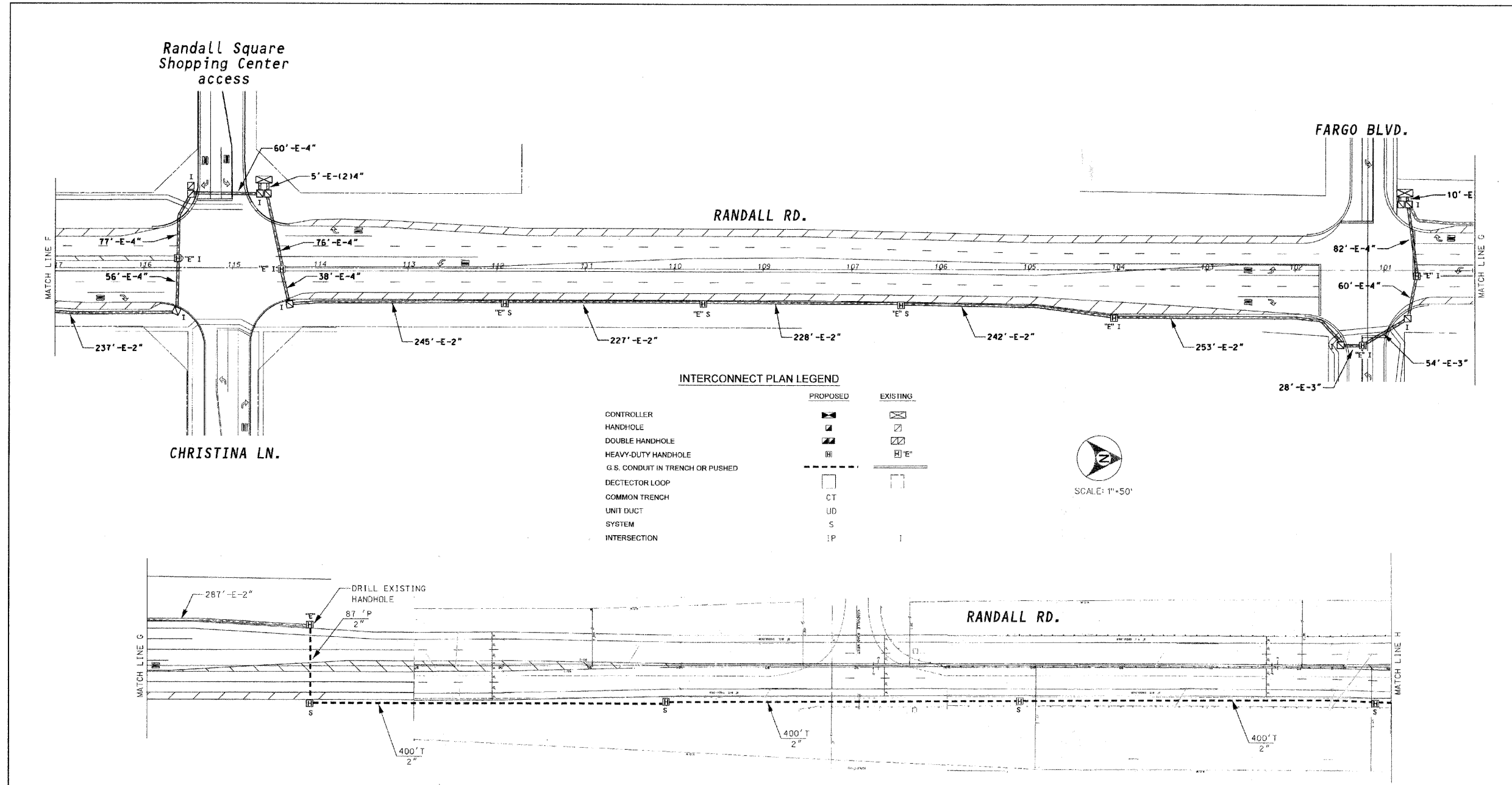
REVISIONS		
NO.	DATE	DESCRIPTION

**INTERCONNECT PLAN**  
 RANDALL RD. (MAIN ST. TO KESLINGER RD.)  
 GENEVA / BATAVIA, ILLINOIS

FILE NAME: 10a_3.dgn	SHEET NO.: 17
DATE: Apr 11 15, 1999	OF 24
PROJECT NO.: 3857-00	

NOTE: RANDALL ROAD INTERCONNECT PLAN FROM MAIN STREET TO KESLINGER ROAD PROVIDED TO SHOW EXISTING CONDUIT ROUTING. PROPOSED WORK INCLUDES FIBER OPTIC CABLE INSTALLATION PER INTERCONNECT SCHEMATIC SHOWN ON SHEET NO. 18.

FILE NAME = **DGN SPEC**	USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISIONS -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INTERCONNECT PLAN</b> RANDALL ROAD ORCHARD ROAD TO FABYAN PARKWAY	F.A. RTE. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 15	
	PLOT SCALE =	CHECKED YOUNGJAE JU	REVISIONS -			CONTRACT NO. 63128					
	PLOT DATE = 11-FEB-2009	DRAWN JOSH ZVOLANEK	REVISIONS -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE 2/20/2009	REVISIONS -								



**FOR INFORMATION ONLY**

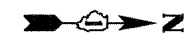
COUNTY SECTION 99-00237-00-TL

	<b>METRO TRANSPORTATION GROUP, Inc.</b> TRANSPORTATION PLANNING, ENGINEERING AND DESIGN 1300 GREENBROOK, HANOVER PARK, IL 60103 PH# 630 213-1000	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	REVISIONS		NO.	DESCRIPTION							<b>INTERCONNECT PLAN</b> RANDALL RD. (MAIN ST. TO KESLINGER RD.) GENEVA / BATAVIA, ILLINOIS	FILE NAME: 10-4.dgn DATE: Apr 11 15, 1999 PROJECT NO.: 3857-00	SHEET NO.: <b>18</b> OF 24
	REVISIONS														
NO.	DESCRIPTION														

NOTE: RANDALL ROAD INTERCONNECT PLAN FROM MAIN STREET TO KESLINGER ROAD PROVIDED TO SHOW EXISTING CONDUIT ROUTING. PROPOSED WORK INCLUDES FIBER OPTIC CABLE INSTALLATION PER INTERCONNECT SCHEMATIC SHOWN ON SHEET NO. 18.

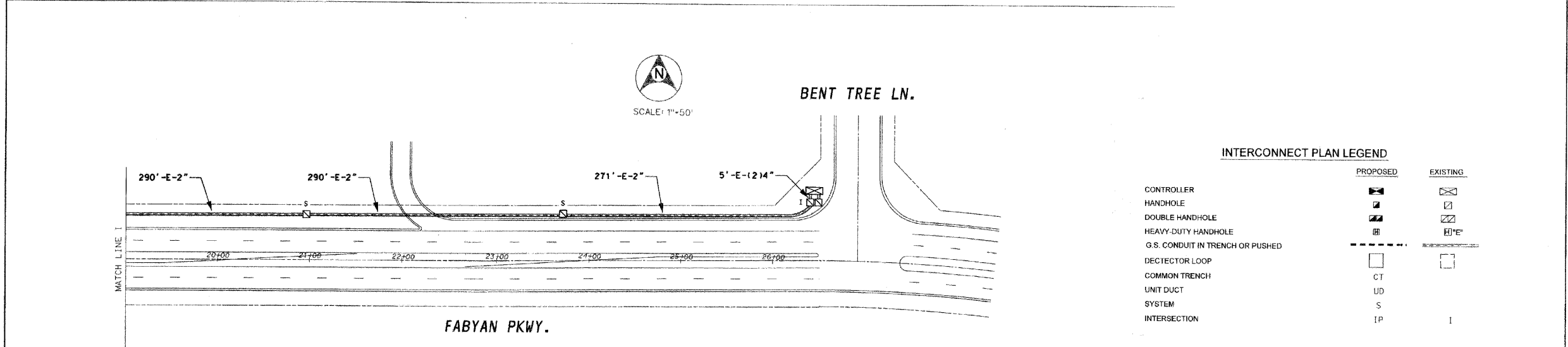
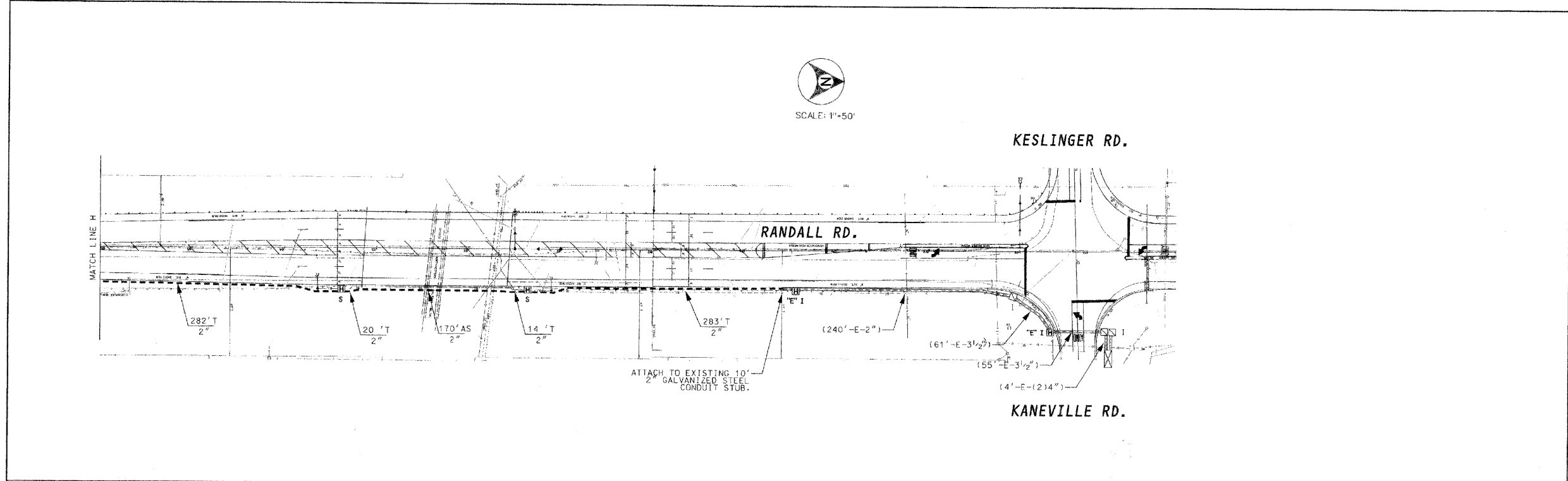
FILE NAME = **0GNSPEC**	USER NAME = Jzvolanek	DESIGNED JOSH ZVOLANEK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>INTERCONNECT PLAN</b> RANDALL ROAD ORCHARD ROAD TO FABYAN PARKWAY	F.A. RTE. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 16	
PLOT SCALE =	DRAWN JOSH ZVOLANEK	CHECKED YOUNGJAE JU	REVISED -			CONTRACT NO. 63128					
PLOT DATE = 11-FEB-2009	DATE 2/20/2009	DATE 2/20/2009	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SURVEYED PLOTTED CHECKED DATE	BY DATE
PLAN NOTE BOOK NO. HNTB CORPORATION 111 N. CANAL STREET CHICAGO, IL 60606 312 330-9119	SURVEYED PLOTTED CHECKED DATE
PK FILE NOTE Bk. NO. STRUCTURE NOTATIONS CHKD	BY DATE



DATE	BY	DATE	BY
DATE	BY	DATE	BY

DATE	BY



**INTERCONNECT PLAN LEGEND**

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY-DUTY HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
COMMON TRENCH	CT	
UNIT DUCT	UD	
SYSTEM	S	
INTERSECTION	IP	I

**FOR INFORMATION ONLY**

COUNTY SECTION 99-00237-00-TL



**METRO TRANSPORTATION GROUP, INC.**  
 TRANSPORTATION PLANNING, ENGINEERING AND DESIGN  
 1300 GREENBROOK, HANOVER PARK, IL 60103 PH# 630 213-1000

REVISIONS	
NO.	DESCRIPTION

**INTERCONNECT PLAN**  
 RANDALL RD. (MAIN ST. TO KESLINGER RD.)  
 GENEVA / BATAVIA, ILLINOIS

FILE NAME: 1a-5.dgn	SHEET NO.: 19
DATE: Apr 11 15, 1999	OF 24
PROJECT NO.: 3857-00	

NOTE: RANDALL ROAD INTERCONNECT PLAN FROM MAIN STREET TO KESLINGER ROAD PROVIDED TO SHOW EXISTING CONDUIT ROUTING. PROPOSED WORK INCLUDES FIBER OPTIC CABLE INSTALLATION PER INTERCONNECT SCHEMATIC SHOWN ON SHEET NO. 18.

FILE NAME = **DGN SPEC**	USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN RANDALL ROAD ORCHARD ROAD TO FABYAN PARKWAY	F.A. RTE. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 17	
	PLOT SCALE =	CHECKED YOUNGJAE JU	REVISIONS -			SCALE:	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 63128	
	PLOT DATE = 11-FEB-2009	DRAWN JOSH ZVOLANEK	REVISIONS -								

DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY

FILE NAME	USER NAME	DESIGNED	REVISIONS
##DGN:SPEC##	= jzvolanek	JOSH ZVOLANEK	-
		CHECKED	YOUNGJAE JU
		DRAWN	JOSH ZVOLANEK
		DATE	2/20/2009

DATE	BY	DATE	BY



HNTB CORPORATION  
 1111 N. LAMAR STREET  
 CHICAGO, IL 60606  
 (312) 930-3113

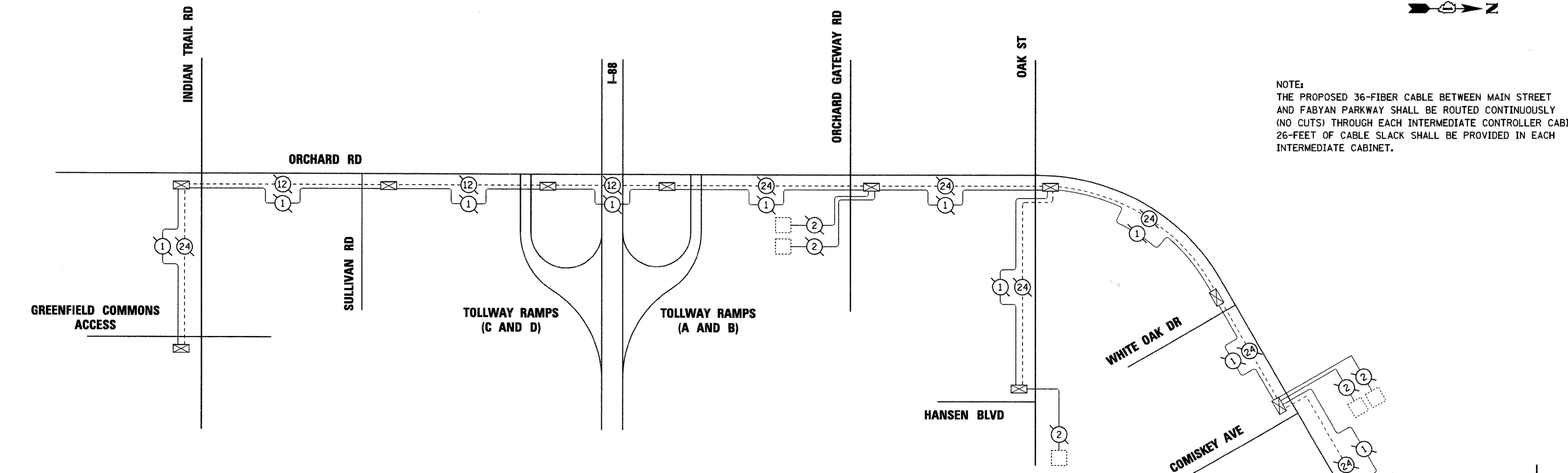
PLAN  
 NOTE BOOK  
 NO.

DATE  
 BY

DATE  
 BY

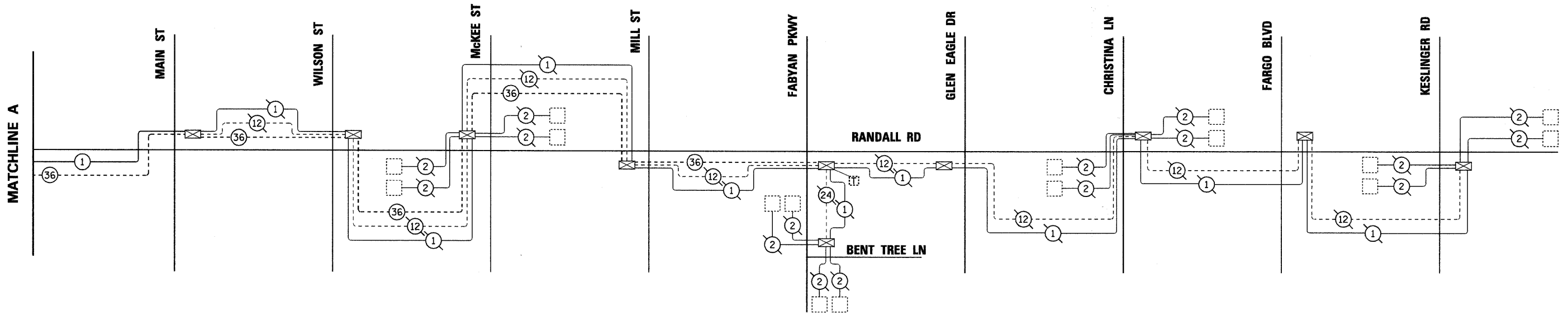


NOTE:  
 THE PROPOSED 36-FIBER CABLE BETWEEN MAIN STREET AND FABYAN PARKWAY SHALL BE ROUTED CONTINUOUSLY (NO CUTS) THROUGH EACH INTERMEDIATE CONTROLLER CABINET. 26-FOOT OF CABLE SLACK SHALL BE PROVIDED IN EACH INTERMEDIATE CABINET.



INTERCONNECT SCHEMATIC LEGEND

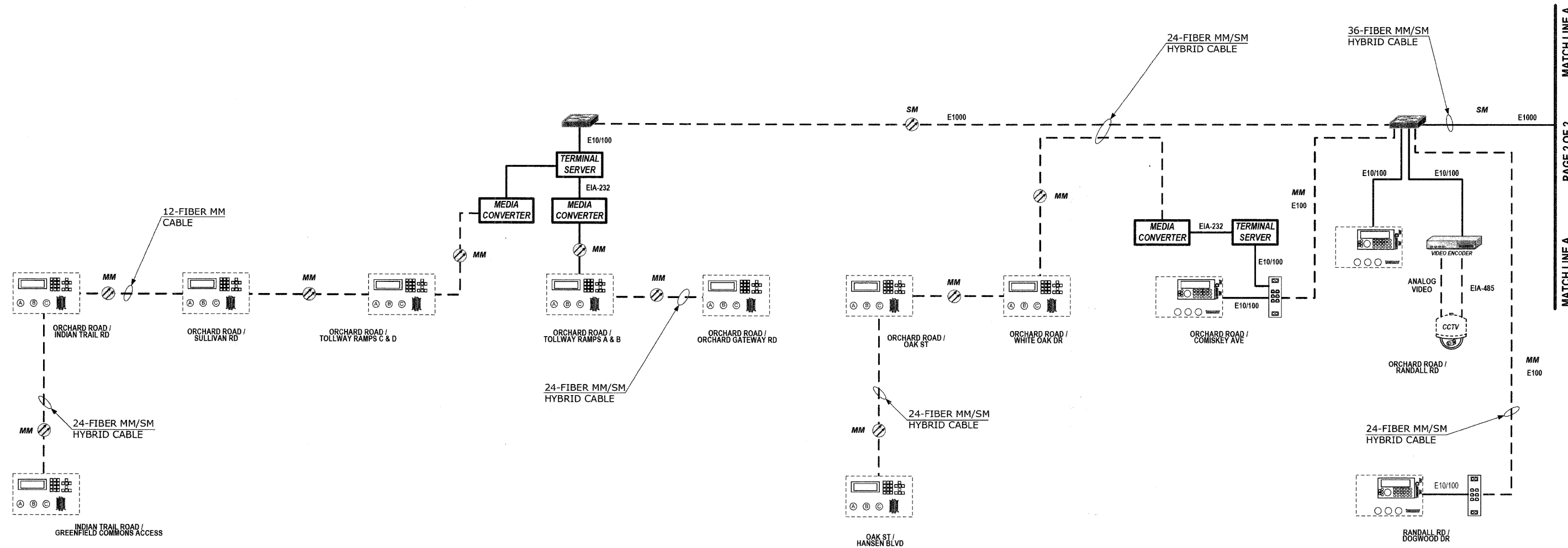
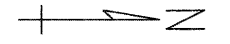
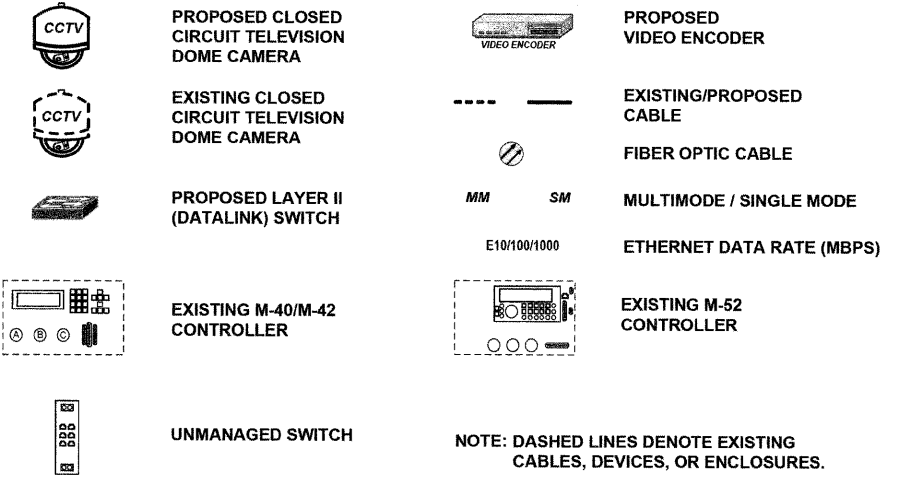
- (36)--- PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F
- (24)--- EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
- (12)--- EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F
- (2)--- EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
- (1)--- PROPOSED NO. 14 1/C TRACER CABLE
- (1)--- EXISTING 1/C TRACER CABLE
- ⊗ EXISTING INTERSECTION CONTROLLER
- EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- ⊞ EXISTING TELEPHONE CONNECTION



FILE NAME =	USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISIONS -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INTERCONNECT SCHEMATIC RANDALL ROAD ORCHARD ROAD TO FABYAN PARKWAY</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
##DGN:SPEC##		CHECKED YOUNGJAE JU	REVISIONS -			336	07-00366-00-TL	KANE	43	18
		DRAWN JOSH ZVOLANEK	REVISIONS -			CONTRACT NO. 63128				
		DATE 2/20/2009	REVISIONS -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 B.M. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 CHICAGO, IL 60606  
 (312) 890-4118  
**HNTB**  
 PROFILE: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_

**KEY**

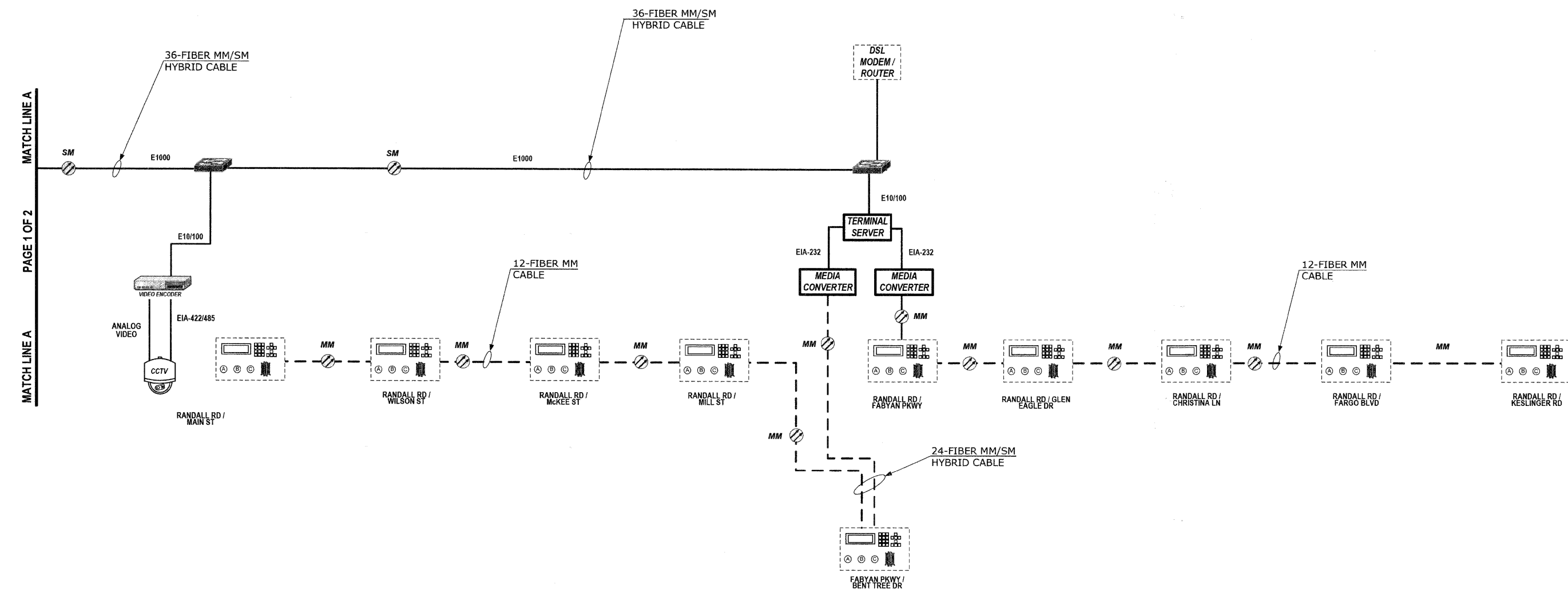
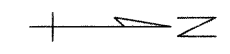
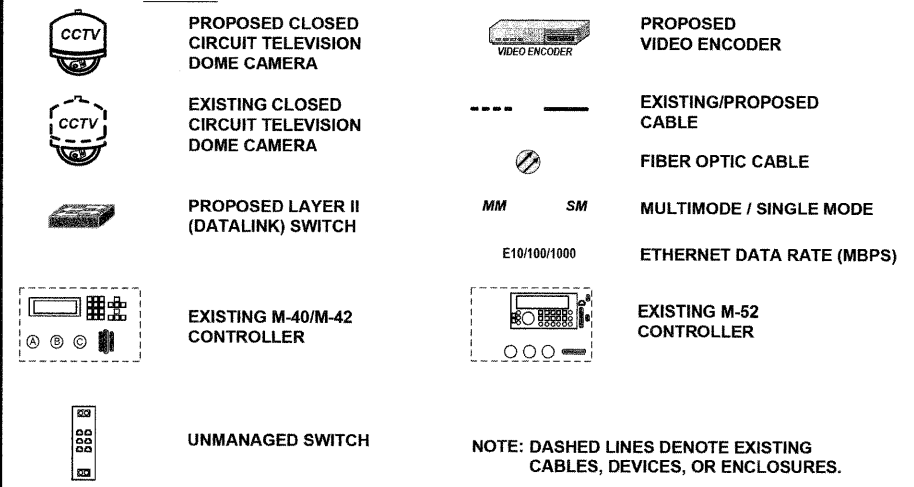


FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMUNICATIONS PLAN (PAGE 1 OF 2) RANDALL ROAD ORCHARD ROAD TO FABYAN PARKWAY	SCALE: NTS	RT# 338	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 19	
		CHECKED YOUNGJAE JU	REVISED -									
		DRAWN JOSH ZVOLANEK	REVISED -									
		DATE 2/20/2009	REVISED -									
CONTRACT NO. 63128												
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT												

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

**HNTB**  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 200  
 CHICAGO, IL 60606  
 (312) 850-9119

**KEY**



FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -
		CHECKED YOUNGJAE JU	REVISED -
		DRAWN JOSH ZVOLANEK	REVISED -
		DATE 2/20/2009	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

COMMUNICATIONS PLAN (PAGE 2 OF 2)  
 RANDALL ROAD  
 ORCHARD ROAD TO FABYAN PARKWAY

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	07-00366-00-TL	KANE	43	20
CONTRACT NO. 63128				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: NTS



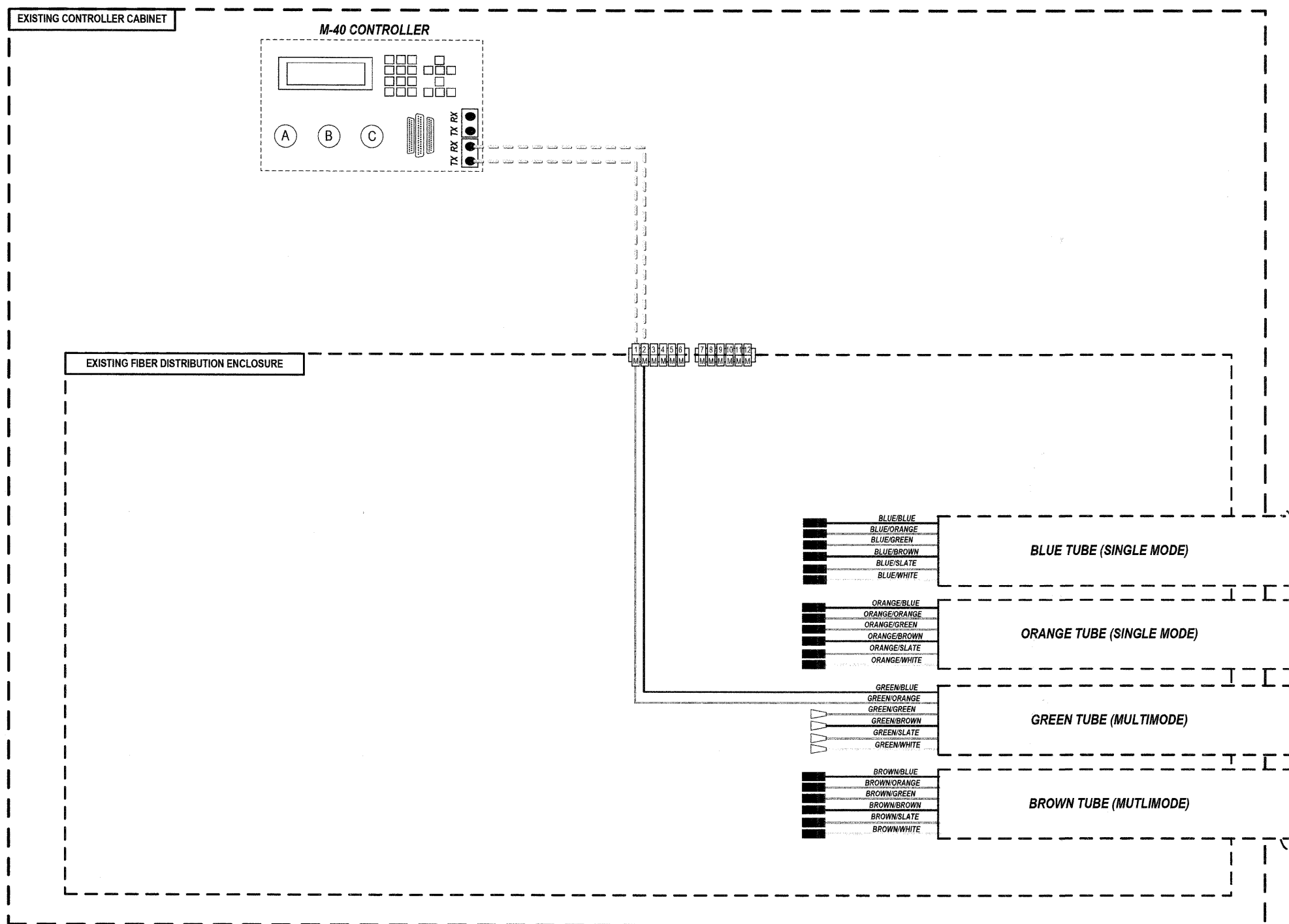
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 SURVEYED: \_\_\_\_\_  
 RT. OR WAY CHECKED: \_\_\_\_\_  
 ASPI FILE NAME: \_\_\_\_\_

PLAN: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_

HNTB  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 393-4119

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 I.M. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHKD: \_\_\_\_\_

PROFILE: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_



**KEY**

PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA

EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA

FIBER OPTIC JUMPER

FIBER OPTIC PIGTAIL

EXISTING FIBER MECHANICAL CONNECTOR

BARE FIBER LEFT COILED IN SPLICE TRAY

FIBER OPTIC FUSION SPLICE

FIBER PATCH PANEL SINGLE MODE

FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.










**NO WORK PERFORMED AT THIS INTERSECTION.  
 FOR INFORMATION ONLY.**

- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

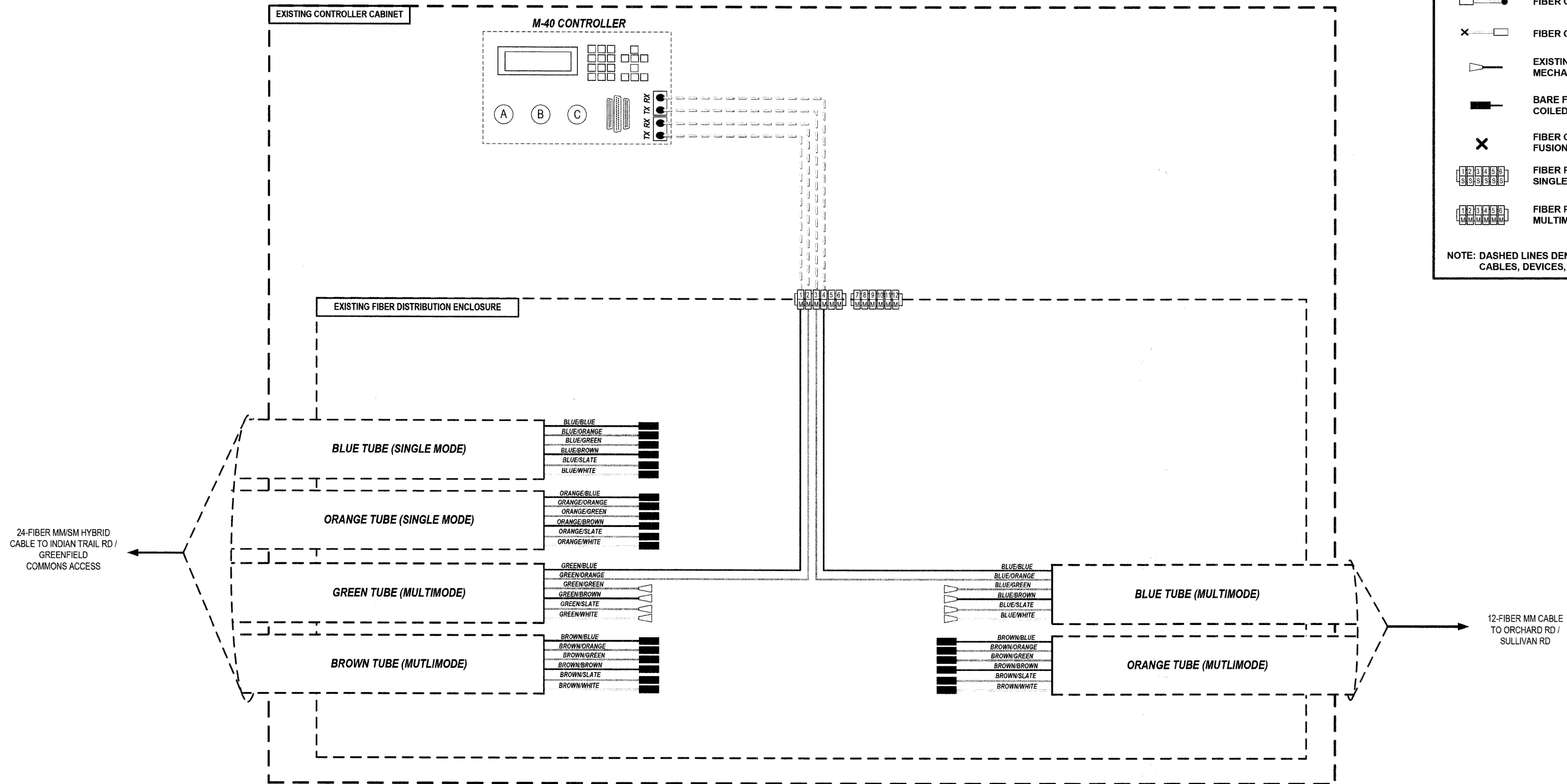
FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 1 OF 22) INDIAN TRAIL ROAD / GREENFIELD COMMONS ACCESS	RT. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 21	
	CHECKED YOUNGJAE JU	REVISED -				SCALE: _____	CONTRACT NO. 63128				
	DRAWN JOSH ZVOLANEK	REVISED -					FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
	PLOT DATE =	DATE 2/20/2009	REVISED -								

DATE	BY	DATE	BY
SURVEYED ALIGNMENT CHECKED OF IMA CHECKED CAD FILE NAME		SURVEYED GRASSES CHECKED B.M. NOTED STRUCTURE NOTATIONS OK'D	
PLAN	NOTE BOOK NO.	PROFILE	NOTE BOOK NO.
HNTB CORPORATION 111 N. CANAL STREET SUITE 200 CHICAGO, IL 60606 (312) 355-9119		HNTB HNTB CORPORATION 111 N. CANAL STREET SUITE 200 CHICAGO, IL 60606 (312) 355-9119	

**KEY**

-  PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
-  EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
-  FIBER OPTIC JUMPER
-  FIBER OPTIC PIGTAIL
-  EXISTING FIBER MECHANICAL CONNECTOR
-  BARE FIBER LEFT COILED IN SPLICE TRAY
-  FIBER OPTIC FUSION SPLICE
-  FIBER PATCH PANEL SINGLE MODE
-  FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

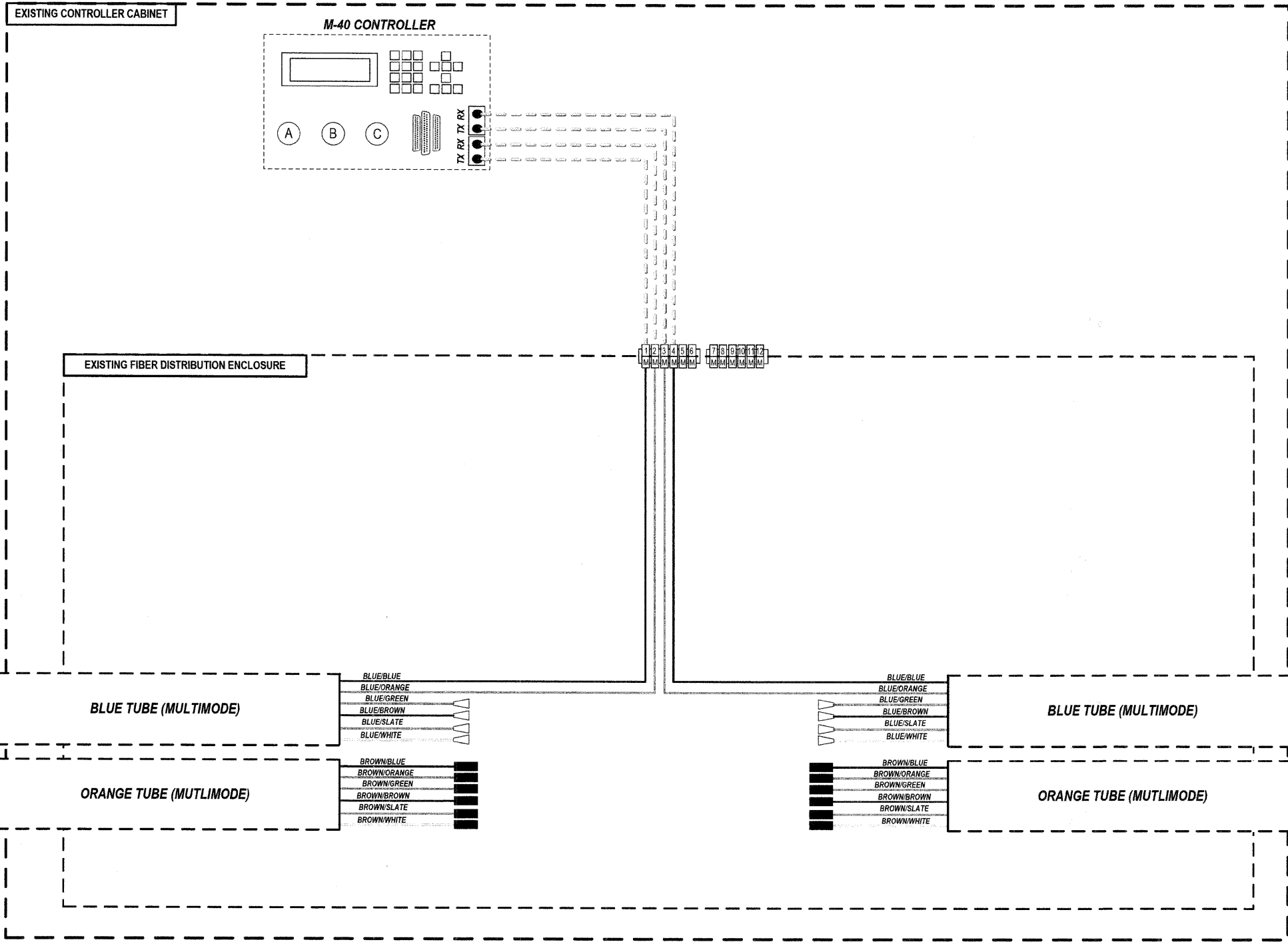


**NO WORK PERFORMED AT THIS INTERSECTION.  
FOR INFORMATION ONLY.**

- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 2 OF 22) ORCHARD ROAD / INDIAN TRAIL ROAD	RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED YOUNGJAE JU	REVISED -			336	07-00386-00-TL	KANE	43	22	
		DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 HNTB  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 350-9119  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE  
 SURVEYED: \_\_\_\_\_  
 GRASSES CHECKED: \_\_\_\_\_  
 B.M. NOTED: \_\_\_\_\_  
 STRUCTURE INSTANTS CARD: \_\_\_\_\_  
 PLAN  
 SURVEYED: \_\_\_\_\_  
 ALIGNMENT CHECKED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 P&S FILE NAME: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

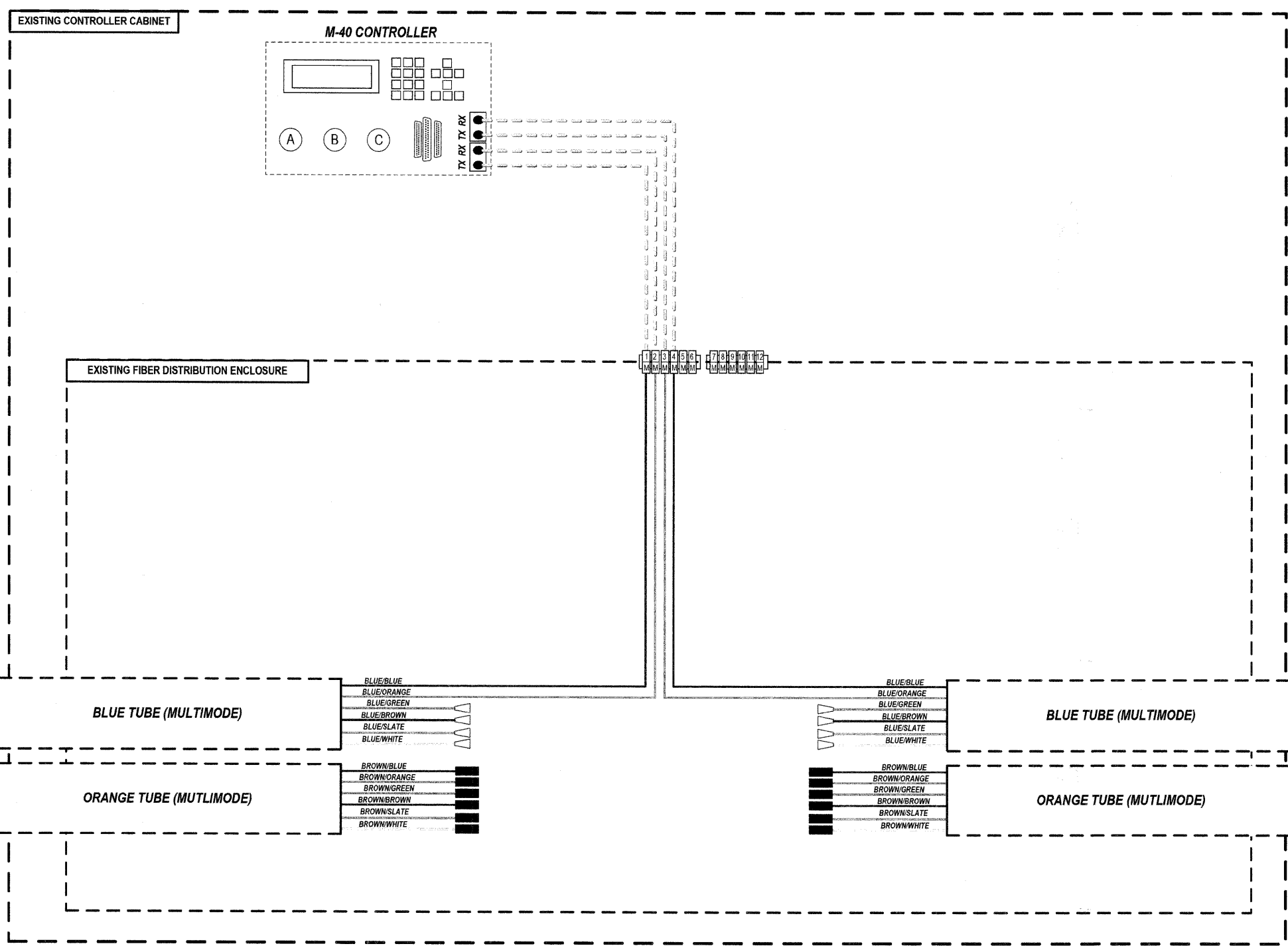
NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**NO WORK PERFORMED AT THIS INTERSECTION.  
 FOR INFORMATION ONLY.**

- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 3 OF 22) ORCHARD ROAD / SULLIVAN ROAD	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	23	
		DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVIVED \_\_\_\_\_  
 ALIGNMENT CHECKED \_\_\_\_\_  
 RT. OF WAY CHECKED \_\_\_\_\_  
 PADD FILE NAME \_\_\_\_\_  
 PLAN \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_  
 HNTB  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 880-9119  
 SURVIVED \_\_\_\_\_  
 GRADINGS CHECKED \_\_\_\_\_  
 B.M. NOTED \_\_\_\_\_  
 STRUCTURE NOTATIONS OK/NO  
 PROFILE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**NO WORK PERFORMED AT THIS INTERSECTION.  
 FOR INFORMATION ONLY.**

- NOTES**
1. CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  2. IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

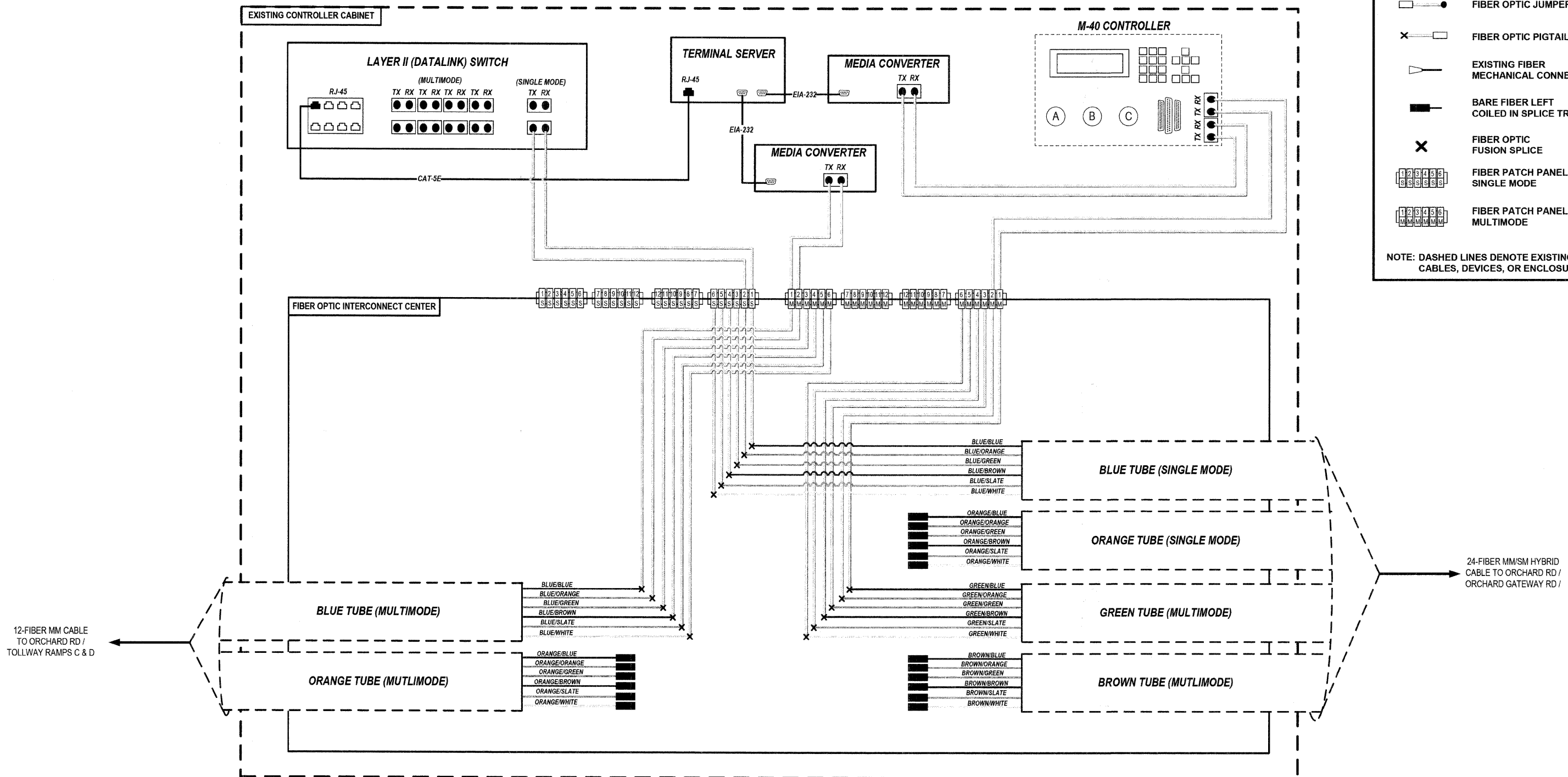
FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 4 OF 22) ORCHARD ROAD / TOLLWAY RAMPS C & D	RT. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 24	
	PLOT SCALE =	CHECKED YOUNGJAE JU	REVISED -			CONTRACT NO. 63128					
	PLOT DATE =	DRAWN JOSH ZVOLANEK	REVISED -			SCALE: _____					
		DATE 2/20/2009	REVISED -			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PLAN: \_\_\_\_\_ NO. \_\_\_\_\_  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1200 CHICAGO, IL 60606  
 (312) 500-9119  
**HNTB**  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_ NO. \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 GRASSES CHECKED: \_\_\_\_\_  
 B.M. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHORD

**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.



- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 5 OF 22) ORCHARD ROAD /TOLLWAY RAMPS A & B	RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED YOUNGJAE JU	REVISED -	336			07-00366-00-TL	KANE	43	25		
	PLOT SCALE =	DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
	PLOT DATE =	DATE 2/20/2009	REVISED -			SCALE: _____					
						FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

DESIGNED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 DATE: 2/20/2009

PLANNING: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

PROFILE: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
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DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
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DESIGNED: \_\_\_\_\_  
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PROFILE: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

HNTB CORPORATION  
 111 N. CANAL STREET  
 CHICAGO, IL 60606  
 (312) 389-4119










DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

DESIGNED: \_\_\_\_\_  
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 DRAWN: \_\_\_\_\_  
 DATE: \_\_\_\_\_

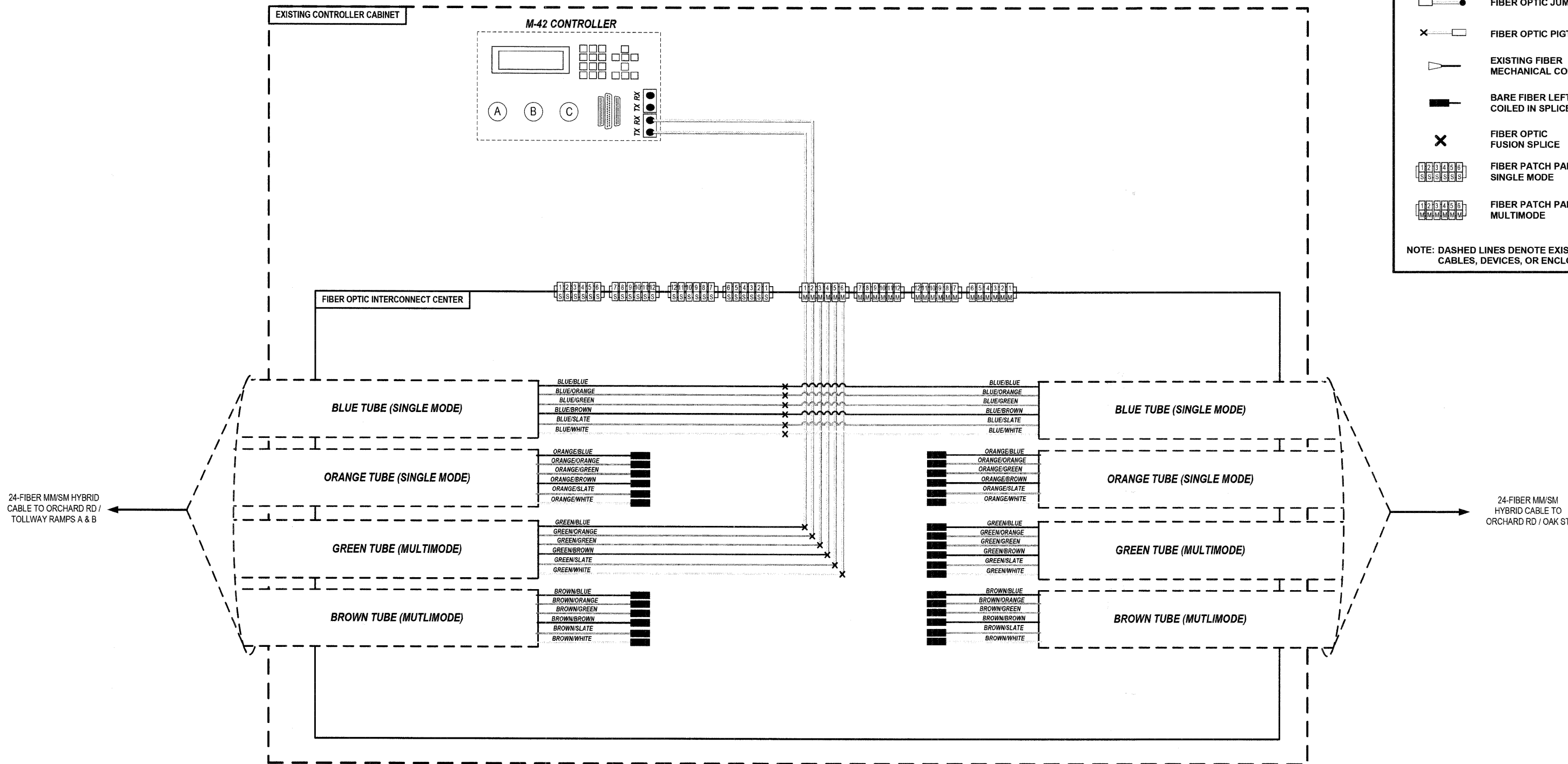
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 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

PROFILE: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

**KEY**

-  PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
-  EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
-  FIBER OPTIC JUMPER
-  FIBER OPTIC PIGTAIL
-  EXISTING FIBER MECHANICAL CONNECTOR
-  BARE FIBER LEFT COILED IN SPLICE TRAY
-  FIBER OPTIC FUSION SPLICE
-  FIBER PATCH PANEL SINGLE MODE
-  FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.



- NOTES**
1. CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  2. IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 6 OF 22) ORCHARD ROAD /ORCHARD GATEWAY ROAD	RTE. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 26
PLOT SCALE =	DATE 2/20/2009	CHECKED YOUNGJAE JU	REVISED -			CONTRACT NO. 63128		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

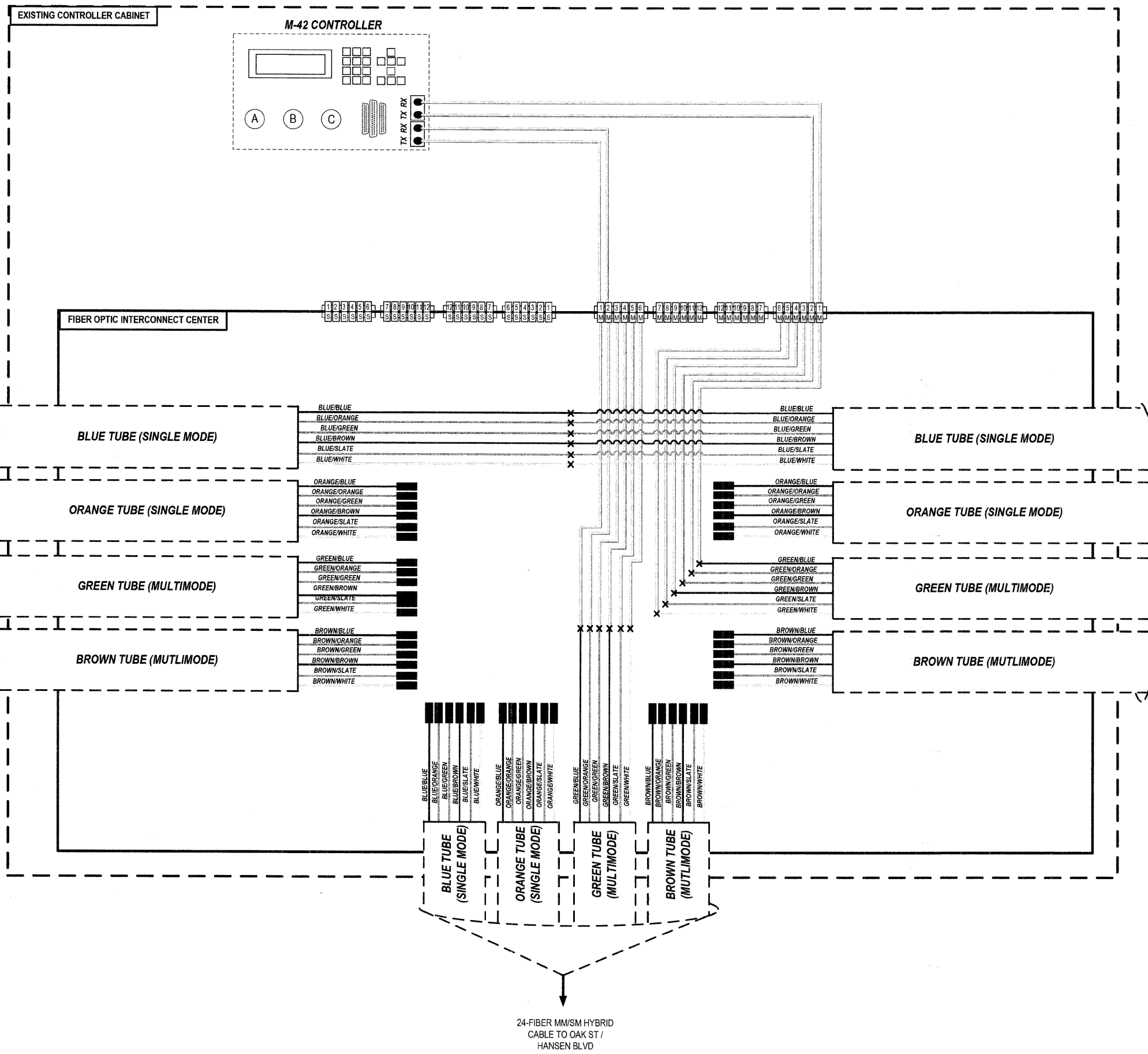
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 ALIGNMENT CHECKED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 PAID FILE NAME: \_\_\_\_\_

PLAN: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_

HNTB  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 850-9119

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVIVED: \_\_\_\_\_  
 GRASSES CHECKED: \_\_\_\_\_  
 B.M. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHRGD: \_\_\_\_\_

PROFILE: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -
		CHECKED YOUNGJAE JU	REVISED -
		DRAWN JOSH ZVOLANEK	REVISED -
		DATE 2/20/2009	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FIBER SPLICING AND CONNECTION DETAIL (PAGE 7 OF 22)  
 ORCHARD ROAD / OAK STREET

RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	07-00366-00-TL	KANE	43	27
CONTRACT NO. 63128				
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

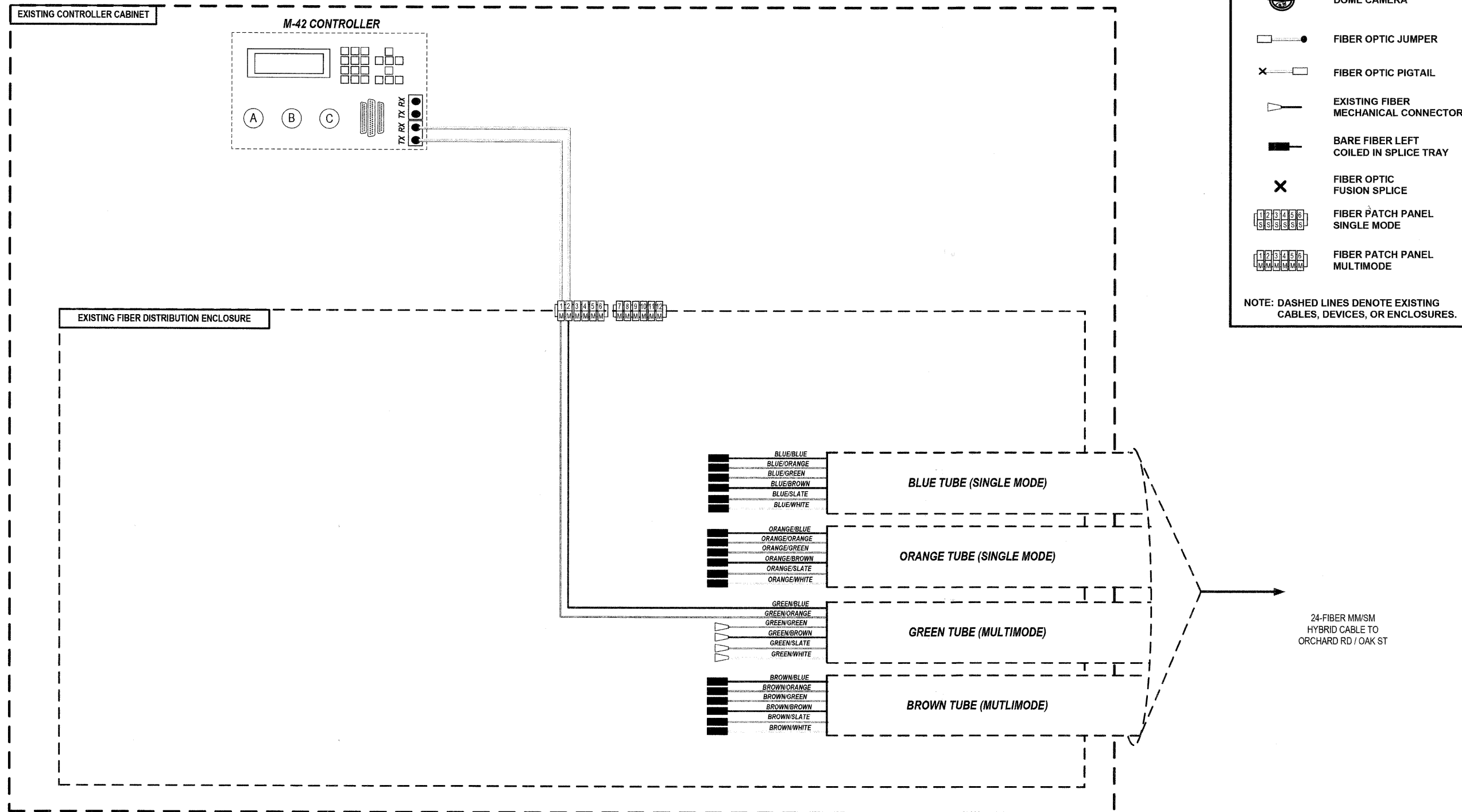
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 ALIGNMENT CHECKED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 P&S FILE NAME: \_\_\_\_\_

PLAN: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_

HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 980-9119

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 GRADES CHECKED: \_\_\_\_\_  
 B.M. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CRD: \_\_\_\_\_

PROFILE: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_



**NO WORK PERFORMED AT THIS INTERSECTION.  
 FOR INFORMATION ONLY.**










- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 8 OF 22) OAK STREET / HANSEN BOULEVARD	SCALE: _____	RT. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 28
		CHECKED YOUNGJAE JU	REVISED -			CONTRACT NO. 63128					
		DRAWN JOSH ZVOLANEK	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE 2/20/2009	REVISED -								

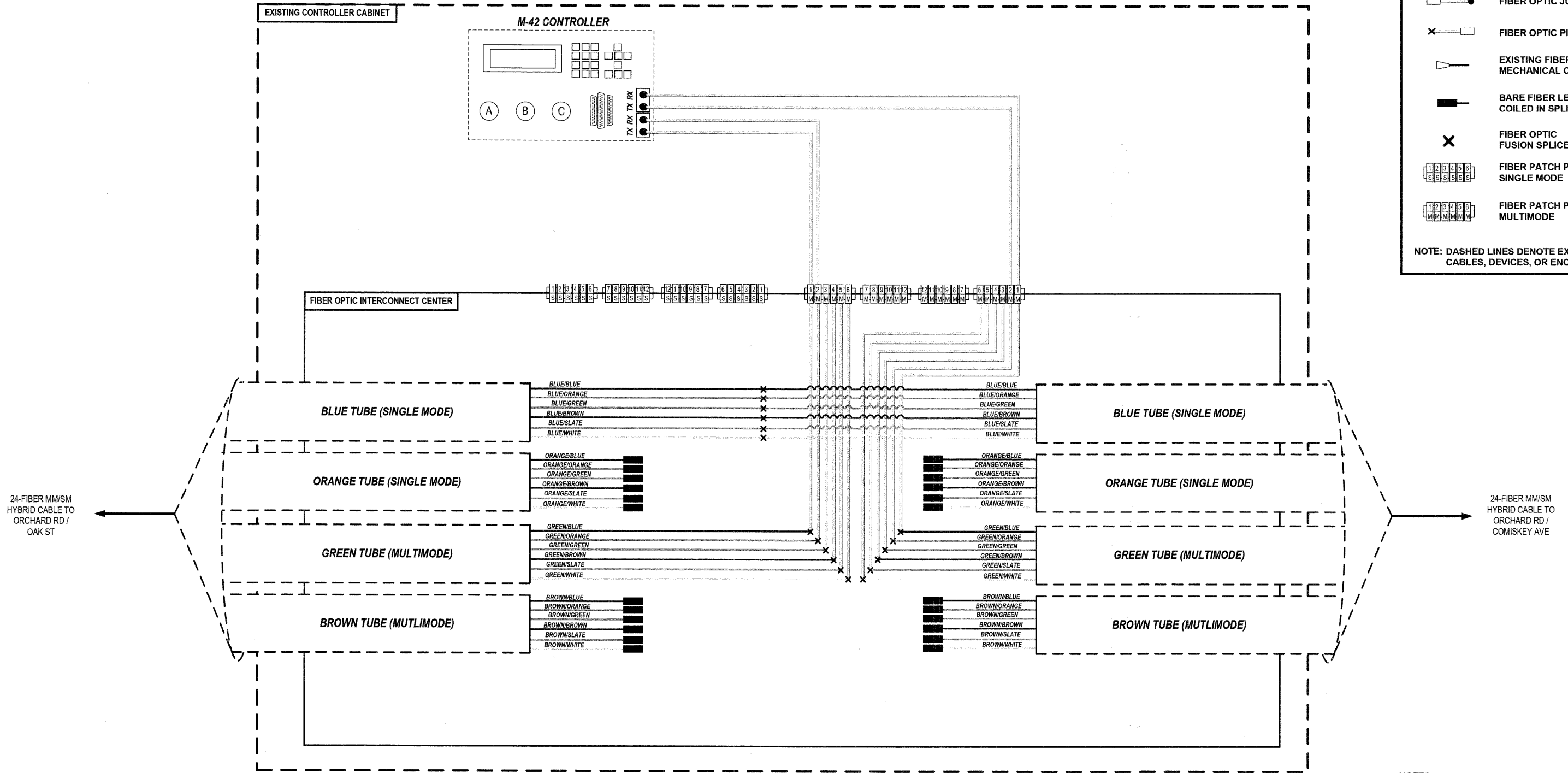


DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ ALIGNMENT CHECKED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_ NOTE BOOK NO: \_\_\_\_\_  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 593-9119  
**HNTB**  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ GRADES CHECKED: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_ B.M. NOTED: \_\_\_\_\_  
 NOTE BOOK NO: \_\_\_\_\_ STRUCTURE NOTATIONS CHRG: \_\_\_\_\_

**KEY**

-  PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
-  EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
-  FIBER OPTIC JUMPER
-  FIBER OPTIC PIGTAIL
-  EXISTING FIBER MECHANICAL CONNECTOR
-  BARE FIBER LEFT COILED IN SPLICE TRAY
-  FIBER OPTIC FUSION SPLICE
-  FIBER PATCH PANEL SINGLE MODE
-  FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.












- NOTES**
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  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

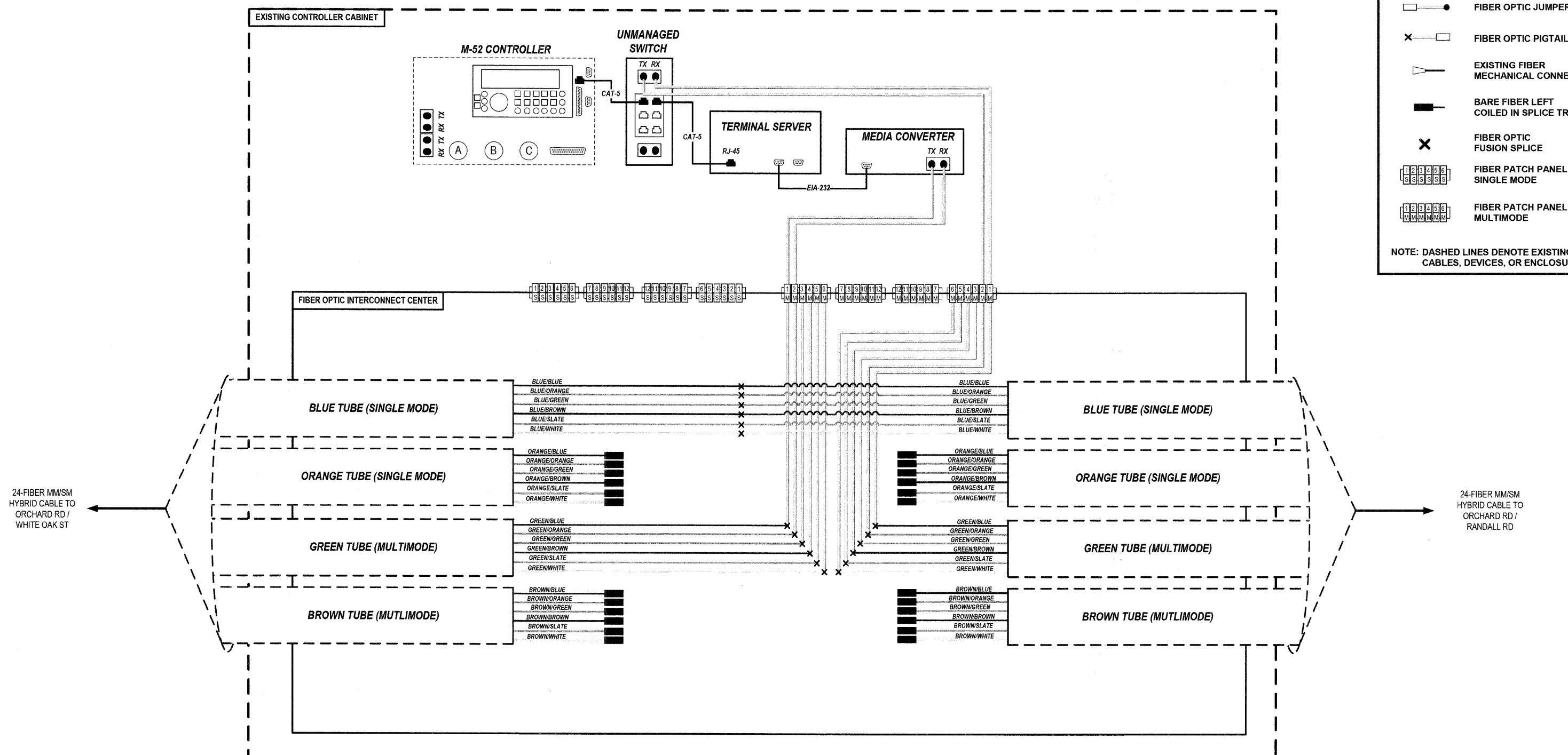
FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 9 OF 22) ORCHARD ROAD / WHITE OAK DRIVE	RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED YOUNGJAE JU	REVISED -			336	07-00386-00-TL	KANE	43	29	
		DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			ILLINOIS FED. AID PROJECT					

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ ALIGNMENT CHECKED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_ NOTE BOOK NO: \_\_\_\_\_  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 350-9119  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ GRADES CHECKED: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_ NOTE BOOK NO: \_\_\_\_\_  
 STRUCTURE NOTATIONS: CHRD

**KEY**

-  PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
-  EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
-  FIBER OPTIC JUMPER
-  FIBER OPTIC PIGTAIL
-  EXISTING FIBER MECHANICAL CONNECTOR
-  BARE FIBER LEFT COILED IN SPLICE TRAY
-  FIBER OPTIC FUSION SPLICE
-  FIBER PATCH PANEL SINGLE MODE
-  FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.



- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

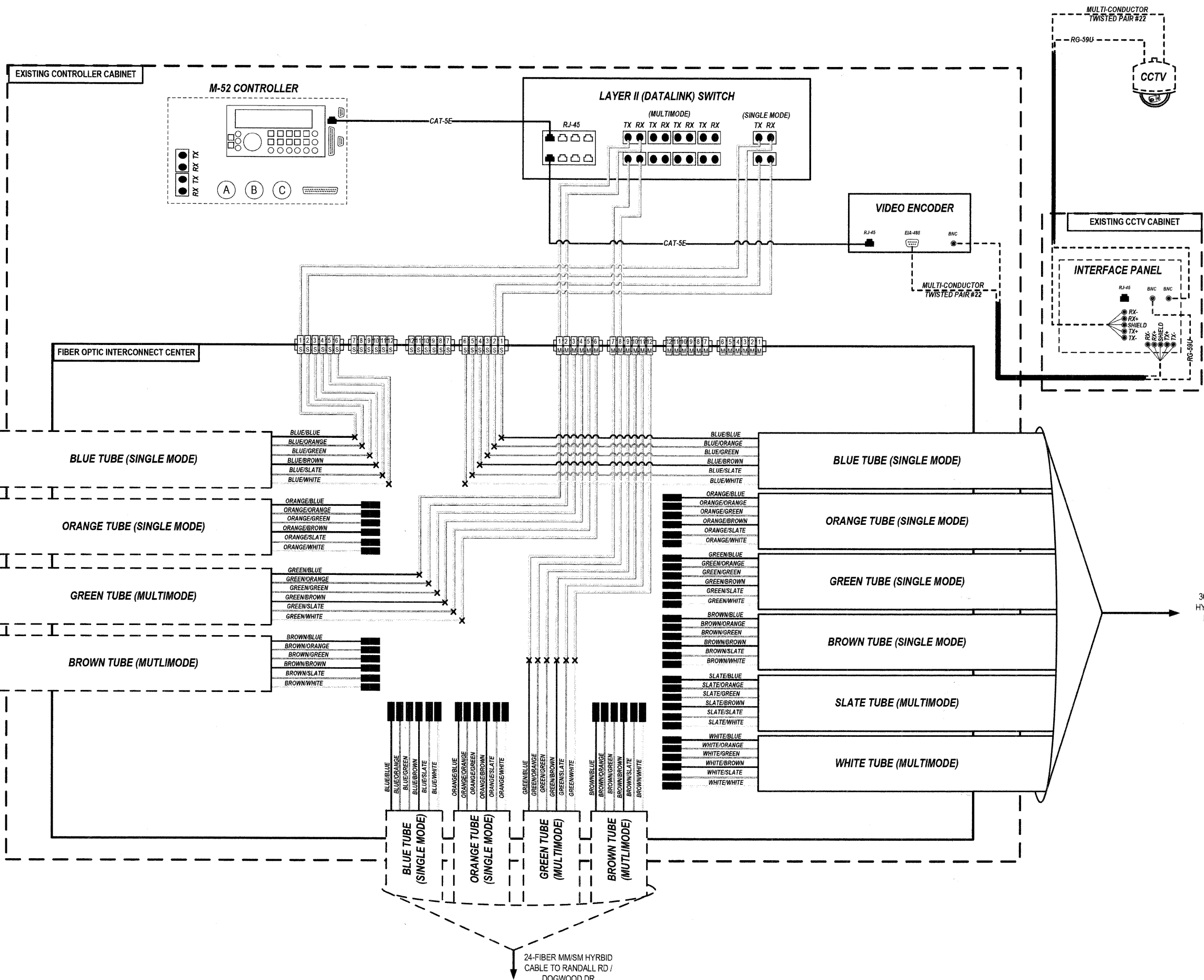
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		CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	30	
		DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			SCALE: _____					
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALIGNMENT CHECKED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
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PLAN: \_\_\_\_\_ NO. \_\_\_\_\_  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 853-9119

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 GRADERS CHECKED: \_\_\_\_\_  
 I.M. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CADD

PROFILE: \_\_\_\_\_ NO. \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

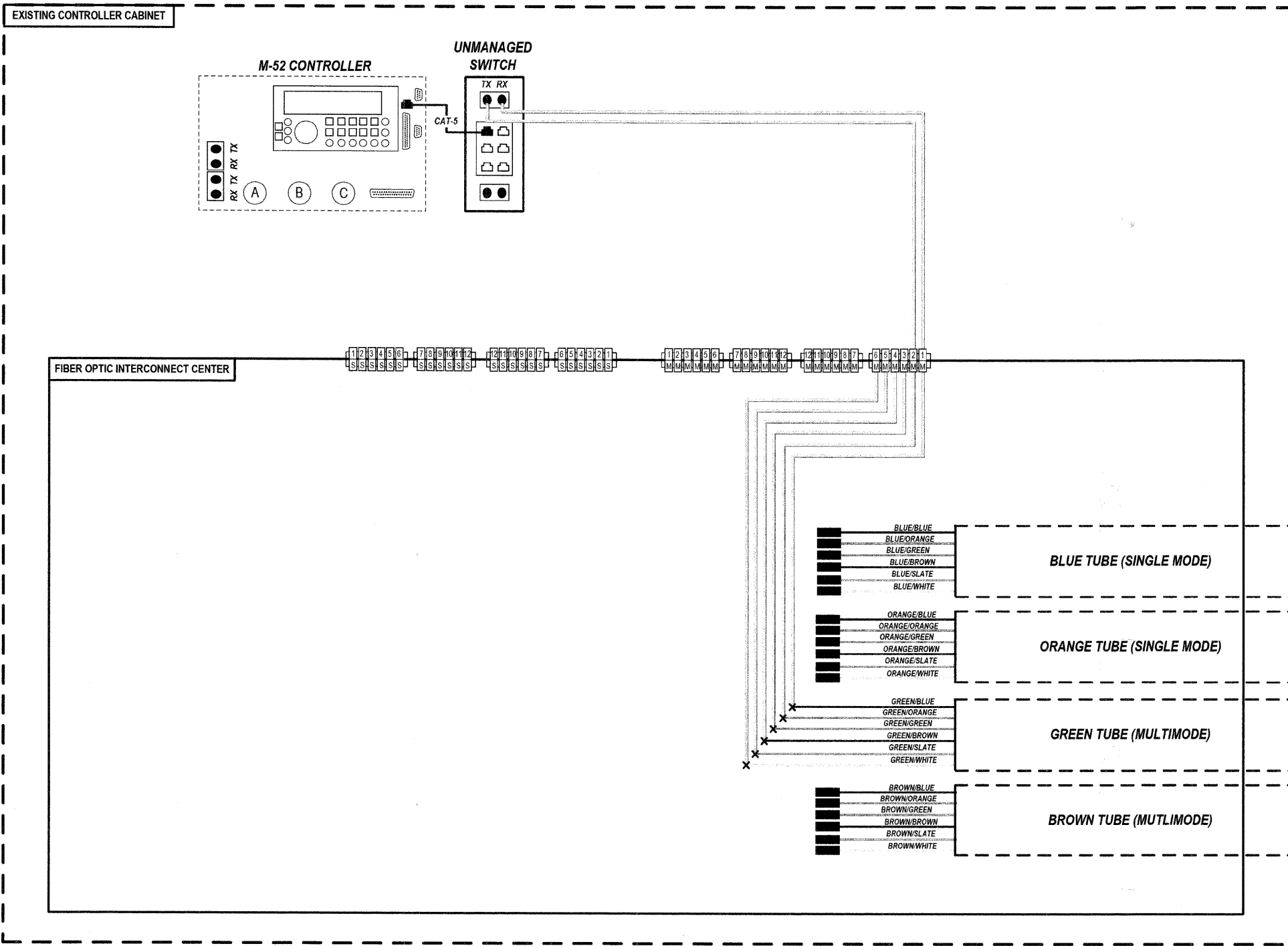
- NOTES**
1. CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  2. IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.
  3. EXISTING CCTV CABINET IS MOUNTED ON THE SOUTHWEST CORNER ISLAND MAST ARM POLE.

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 ALIGNMENT CHECKED \_\_\_\_\_  
 RT. OF WAY CHECKED \_\_\_\_\_  
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PLAN \_\_\_\_\_ NOTE BOOK NO. \_\_\_\_\_  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 889-9119

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 GRADES CHECKED \_\_\_\_\_  
 I.S.M. NOTED \_\_\_\_\_  
 STRUCTURE NOTATIONS CHGD \_\_\_\_\_

PROFILE \_\_\_\_\_ NOTE BOOK NO. \_\_\_\_\_



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

- NOTES**
1. CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  2. IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 12 OF 22) RANDALL ROAD / DOGWOOD DRIVE	RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	32	
		DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			SCALE: _____					
						FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 CAD FILE NAME: \_\_\_\_\_

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 SURVEYED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 CAD FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 CAD FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 CAD FILE NAME: \_\_\_\_\_

PLANNING  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 983-3119

PROFILE  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 983-3119

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 CAD FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
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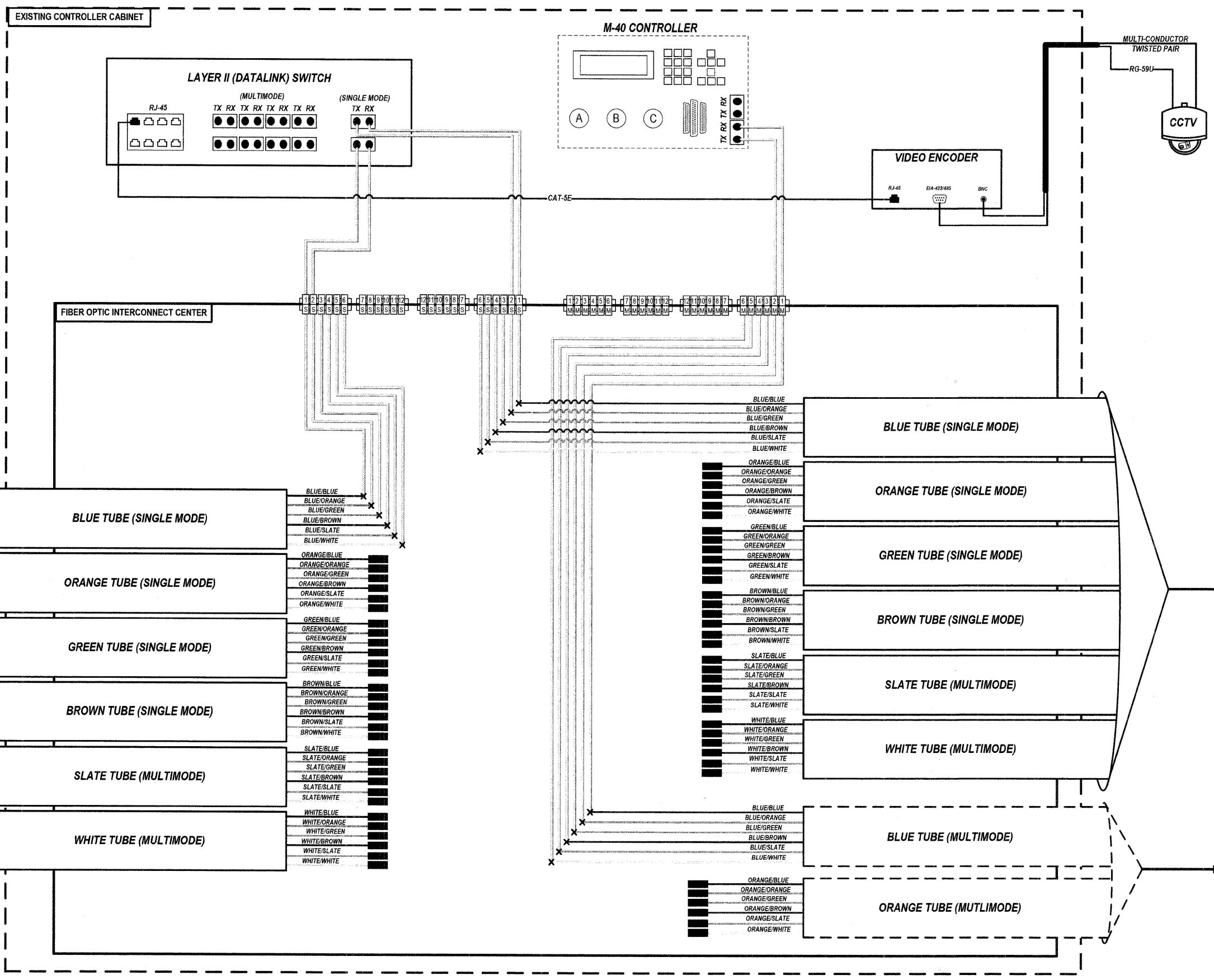
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DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 CAD FILE NAME: \_\_\_\_\_

**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.



36-FIBER MM/SM HYBRID CABLE TO RANDALL RD / WILSON ST

36-FIBER MM/SM HYBRID CABLE TO ORCHARD RD / RANDALL RD

12-FIBER MM CABLE TO RANDALL RD / WILSON ST

- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -
		CHECKED YOUNGJAE JU	REVISED -
		DRAWN JOSH ZVOLANEK	REVISED -
		DATE 2/20/2009	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FIBER SPLICING AND CONNECTION DETAIL (PAGE 13 OF 22)  
 RANDALL ROAD / MAIN STREET

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	07-00366-00-TL	KANE	43	33
CONTRACT NO. 63128				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVIVED \_\_\_\_\_  
 ALIGNMENT CHECKED \_\_\_\_\_  
 RT. OF WAY CHECKED \_\_\_\_\_  
 PLOTTED FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PLAN \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_










HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1250  
 CHICAGO, IL 60606  
 (312) 850-9119

**HNTB**

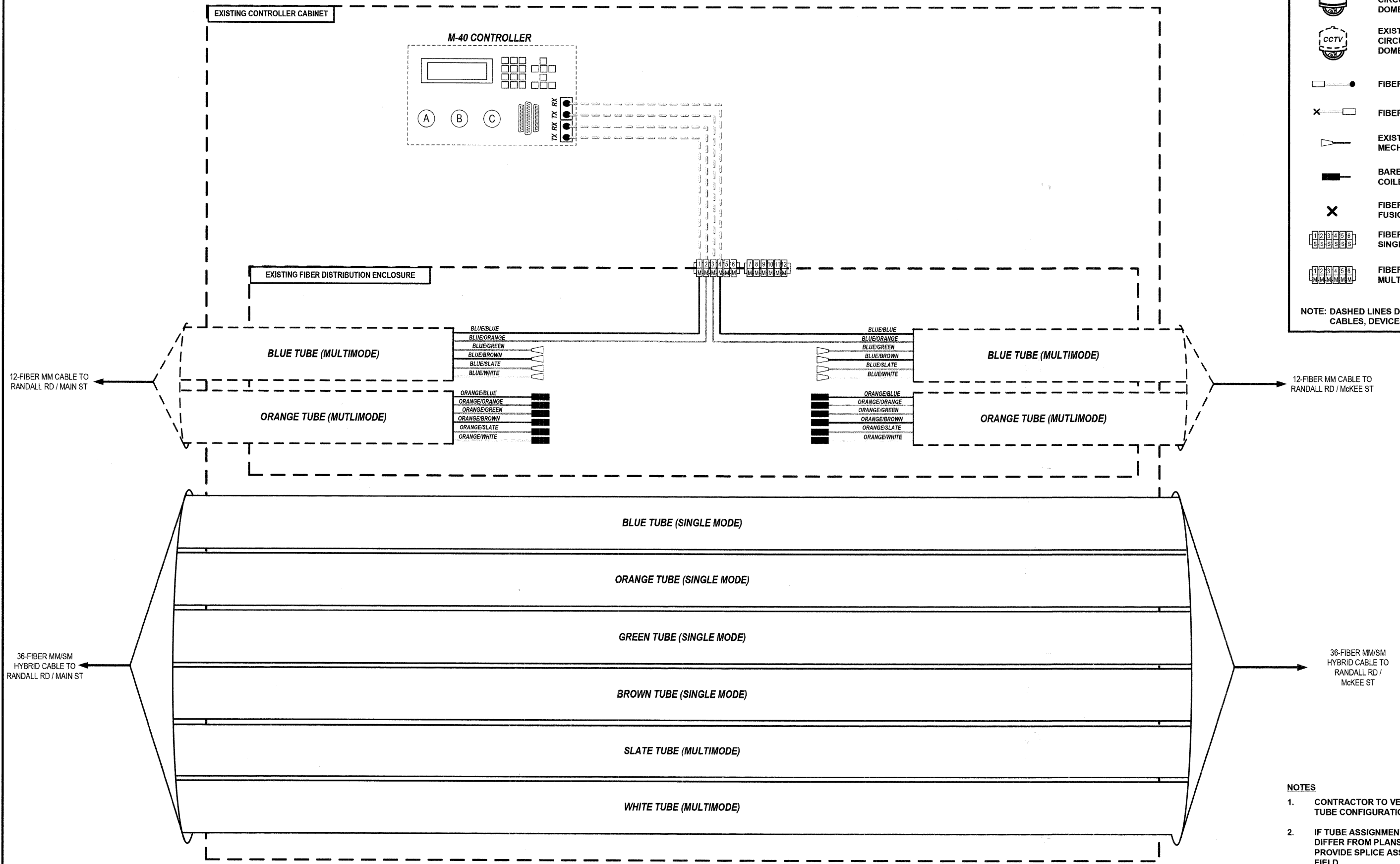
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 G.M. NOTED \_\_\_\_\_  
 STRUCTURE NOTATION CHFD \_\_\_\_\_

PROFILE \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_

**KEY**

-  PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
-  EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
-  FIBER OPTIC JUMPER
-  FIBER OPTIC PIGTAIL
-  EXISTING FIBER MECHANICAL CONNECTOR
-  BARE FIBER LEFT COILED IN SPLICE TRAY
-  FIBER OPTIC FUSION SPLICE
-  FIBER PATCH PANEL SINGLE MODE
-  FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

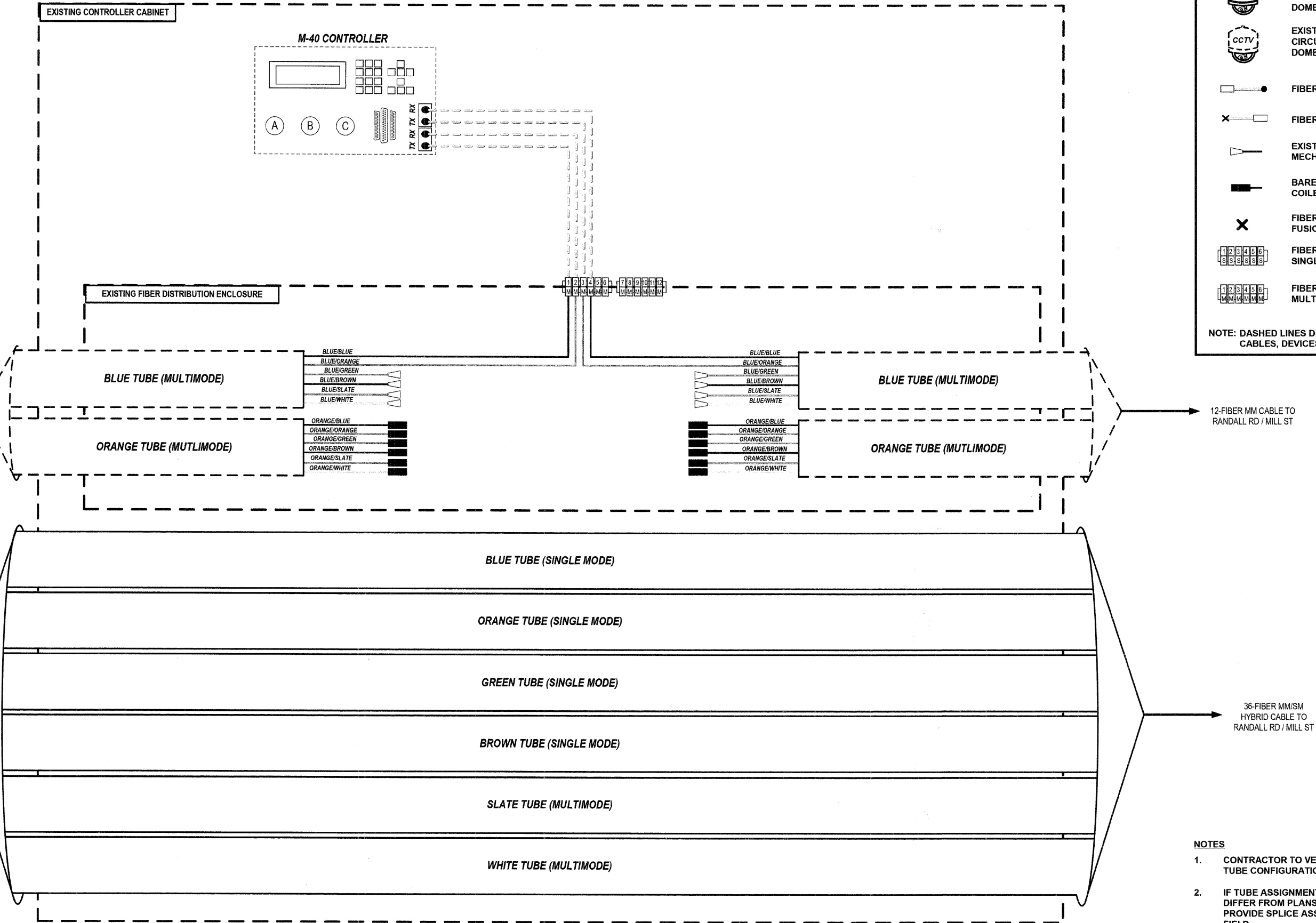


- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 14 OF 22) RANDALL ROAD / WILSON STREET	RT. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 34
PLOT SCALE =	DATE 2/20/2009	CHECKED YOUNGJAE JU	REVISIED -			CONTRACT NO. 63128		ILLINOIS FED. AID PROJECT		

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ ALIGNMENT CHECKED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_ NOTE BOOK NO. \_\_\_\_\_  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1200  
 CHICAGO, IL 60606  
 (312) 380-9119

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ GRADINGS CHECKED: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_ NOTE BOOK NO. \_\_\_\_\_  
 B.M. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS OK/NG



**KEY**

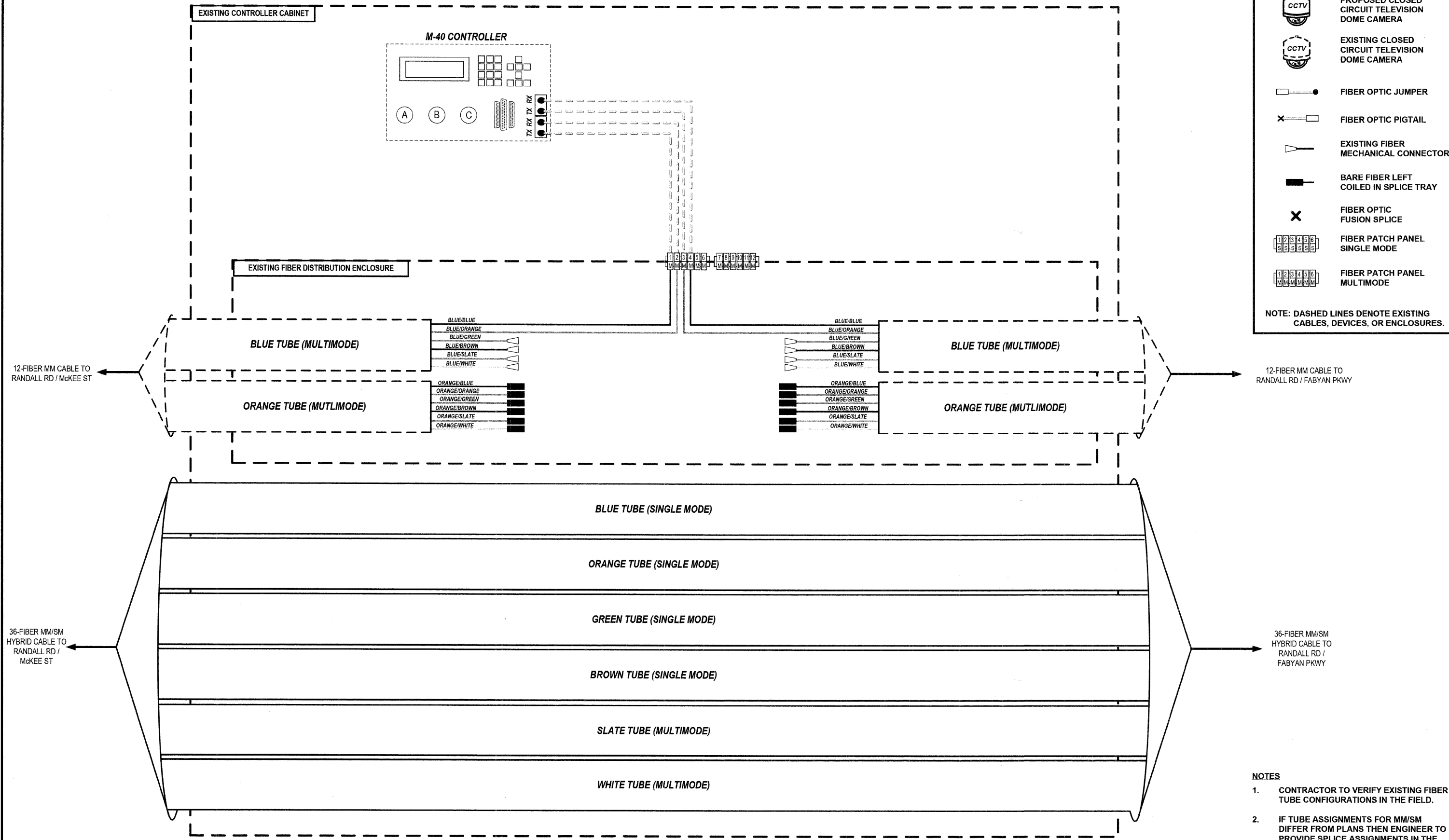
- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 15 OF 22) RANDALL ROAD / McKEE STREET	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	35
PLOT SCALE =		DRAWN JOSH ZVOLANEK	REVISED -	CONTRACT NO. 63128						
PLOT DATE =		DATE 2/20/2009	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ ALIGNMENT CHECKED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_ NOTE BOOK NO: \_\_\_\_\_  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 SUITE 1200  
 CHICAGO, IL 60606  
 (312) 955-9119  
**HNTB**  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_ GRADES CHECKED: \_\_\_\_\_  
 NOTE BOOK NO: \_\_\_\_\_ B.M. NOTED: \_\_\_\_\_  
 STRUCTURE NOTATIONS CHRG: \_\_\_\_\_



- NOTES**
1. CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  2. IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 16 OF 22) RANDALL ROAD / MILL STREET	SCALE: _____	RTE. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 36
	PLOT SCALE =	CHECKED YOUNGJAE JU	REVISED -			CONTRACT NO. 63128					
	PLOT DATE =	DRAWN JOSH ZVOLANEK	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE 2/20/2009	REVISED -								

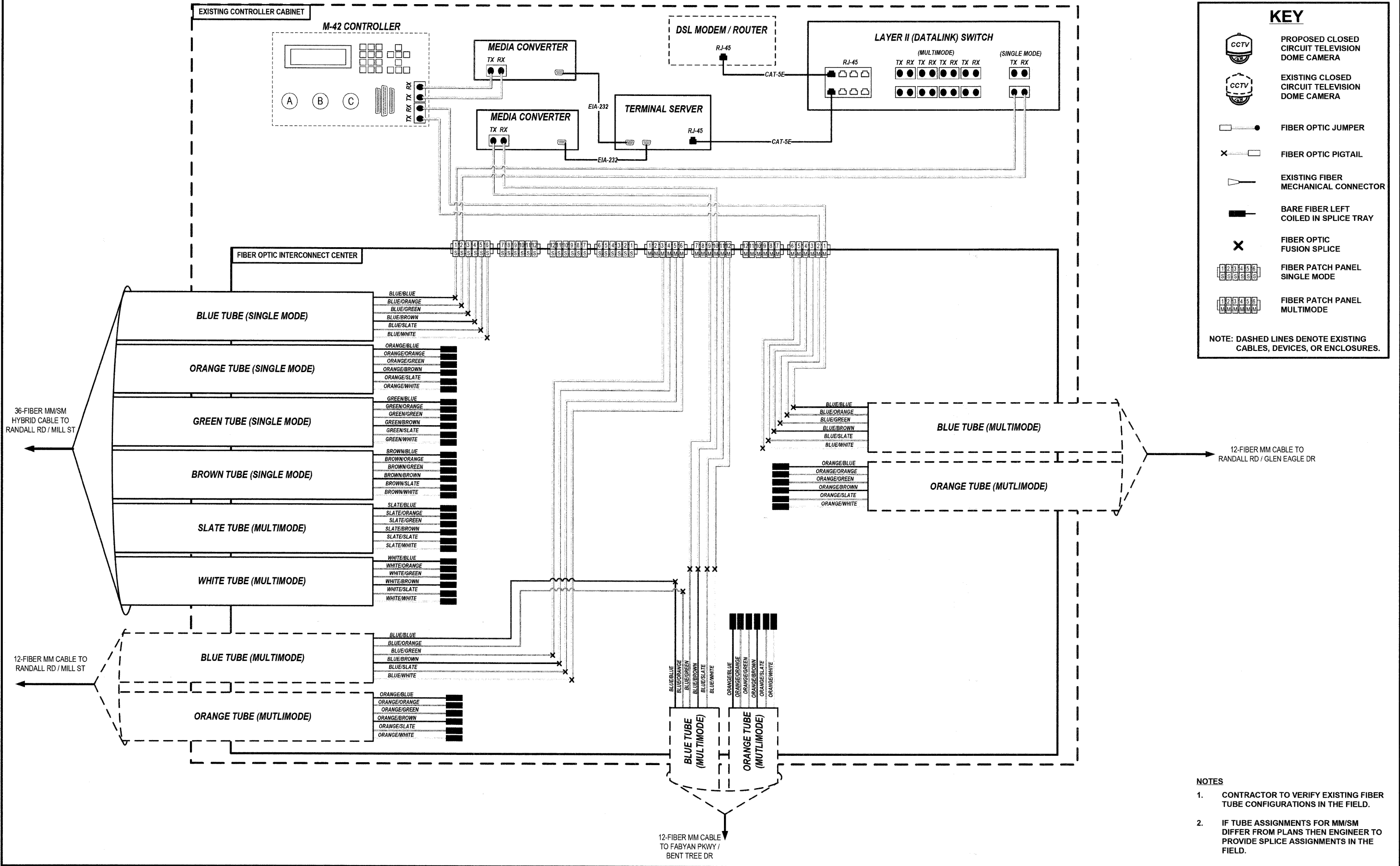


DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

**HNTB**

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 17 OF 22) RANDALL ROAD / FABYAN PARKWAY	RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	37	
		DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DATE	BY	REVISIONS
		REVISIONS
		ALIGNMENT CHECKED
		OF FILE NAME
		DATE FILE NAME
DATE	BY	REVISIONS
		REVISIONS
		GRADES CHECKED
		B.M. NOTED
		STRUCTURE NOTATIONS OK'D
DATE	BY	REVISIONS
		REVISIONS
		GRADES CHECKED
		B.M. NOTED
		STRUCTURE NOTATIONS OK'D

HNTB CORPORATION  
111 N. CANAL STREET  
CHICAGO, IL 60606  
(312) 595-9119

**HNTB**

DATE

BY

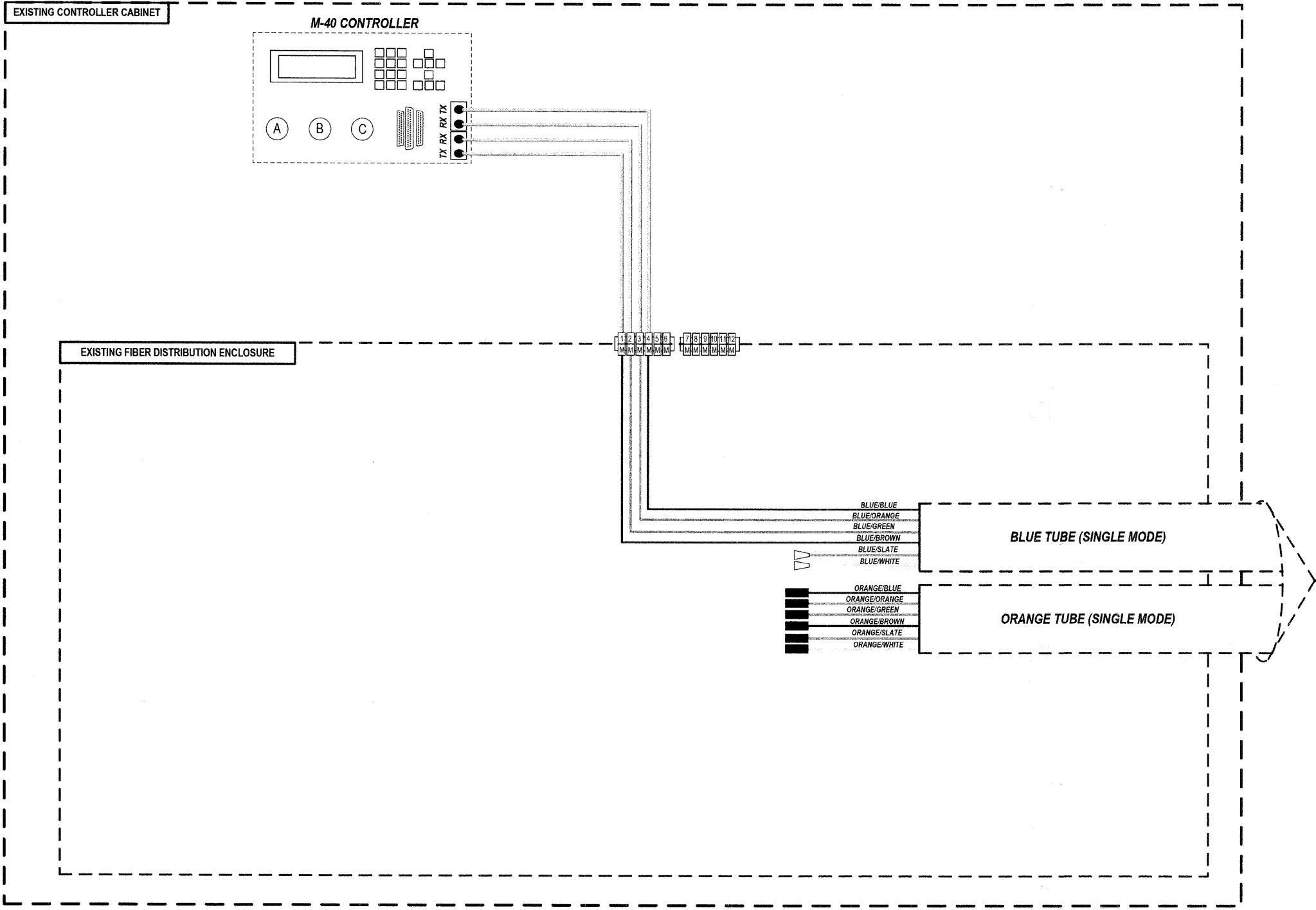
REVISIONS

REVISIONS

GRADES CHECKED

B.M. NOTED

STRUCTURE NOTATIONS OK'D



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**NO WORK PERFORMED AT THIS INTERSECTION.  
FOR INFORMATION ONLY.**

- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME	USER NAME	DESIGNED	JOSH ZVOLANEK	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 18 OF 22) FABYAN PARKWAY / BENT TREE DRIVE	RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED	YOUNGJAE JU	REVISED	-			336	07-00386-00-TL	KANE	43	38	
		DRAWN	JOSH ZVOLANEK	REVISED	-			CONTRACT NO. 63128					
		DATE	2/20/2009	REVISED	-			ILLINOIS FED. AID PROJECT					

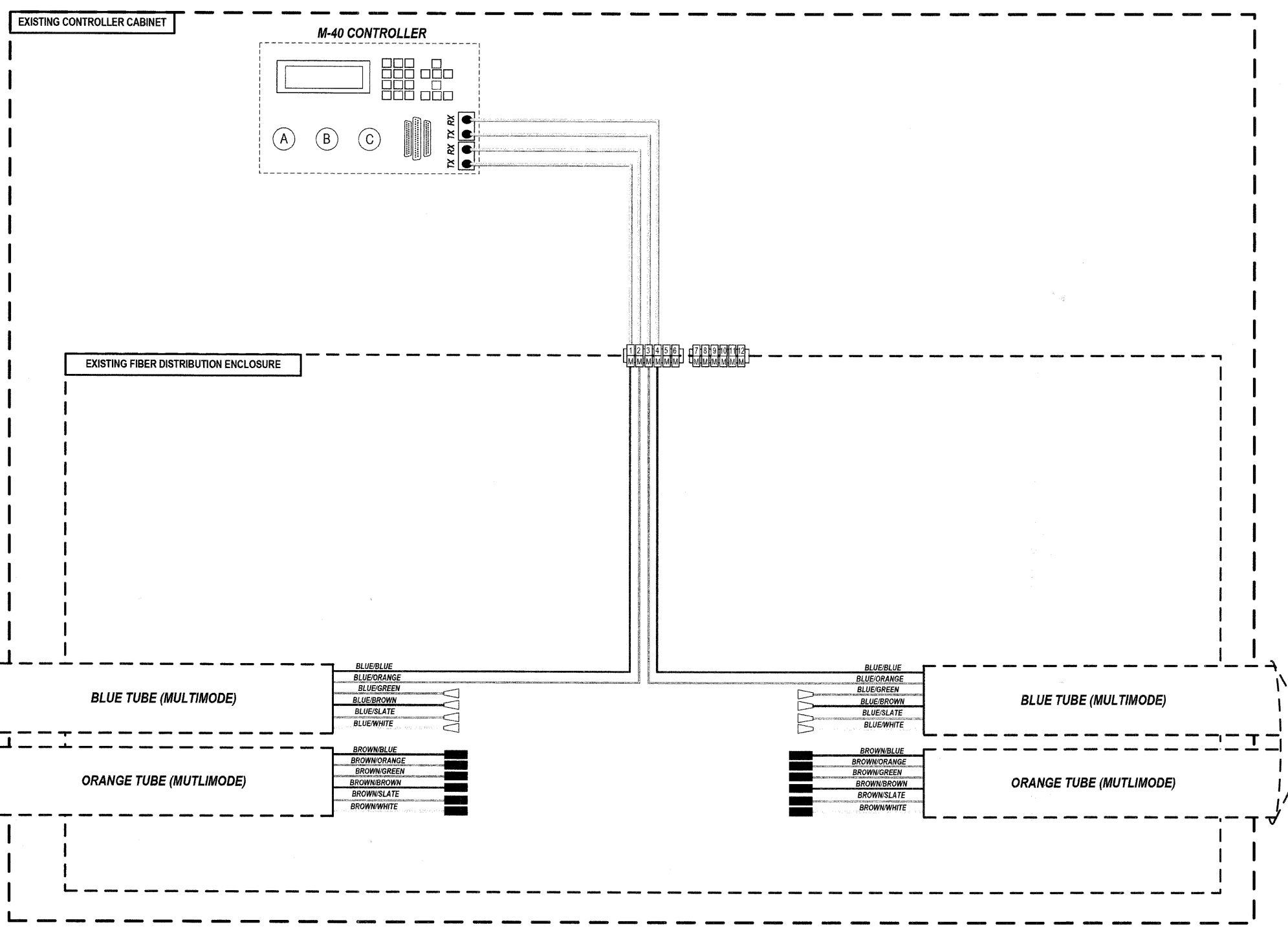
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
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 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

DESIGNED: JOSH ZVOLANEK  
 CHECKED: YOUNGJAE JU  
 DRAWN: JOSH ZVOLANEK  
 DATE: 2/20/2009

REVISIONS:  
 1. \_\_\_\_\_  
 2. \_\_\_\_\_

FILE NAME = \_\_\_\_\_

**HNTB**  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 CHICAGO, IL 60606  
 (312) 888-1119



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**NO WORK PERFORMED AT THIS INTERSECTION.  
 FOR INFORMATION ONLY.**

- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 19 OF 22) RANDALL ROAD / GLEN EAGLE DRIVE	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	39	
		DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			SCALE: _____					
						FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
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 ALIGNED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
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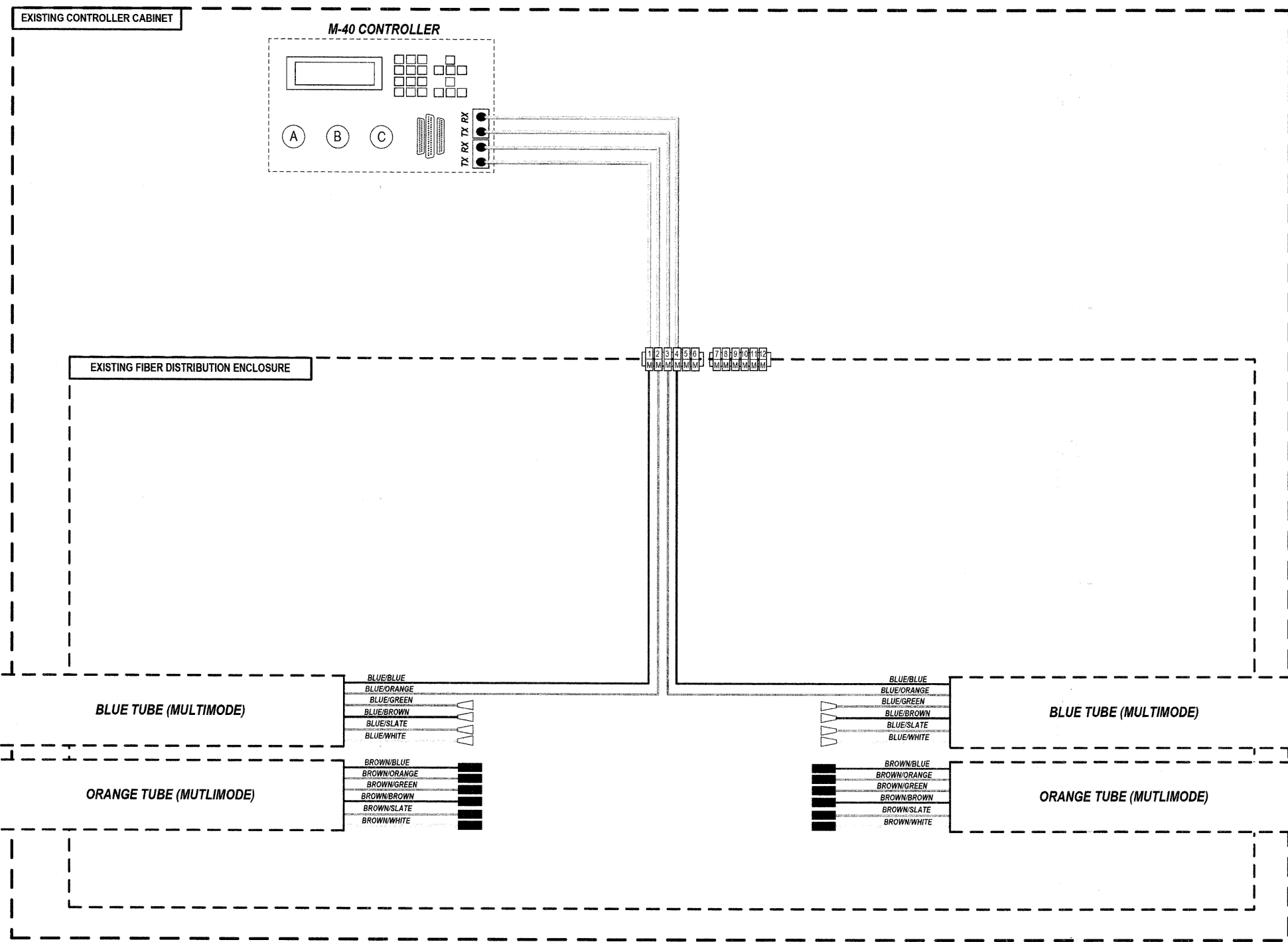
PLAN  
 NOTE BOOK NO. \_\_\_\_\_

HNTB CORPORATION  
 111 N. CANAL STREET  
 CHICAGO, IL 60606  
 (312) 850-9119

HNTB

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DESIGNED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 DATE: \_\_\_\_\_

PROFILE  
 NOTE BOOK NO. \_\_\_\_\_  
 FILE NAME: \_\_\_\_\_



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.










**NO WORK PERFORMED AT THIS INTERSECTION.  
 FOR INFORMATION ONLY.**

- NOTES**
1. CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  2. IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

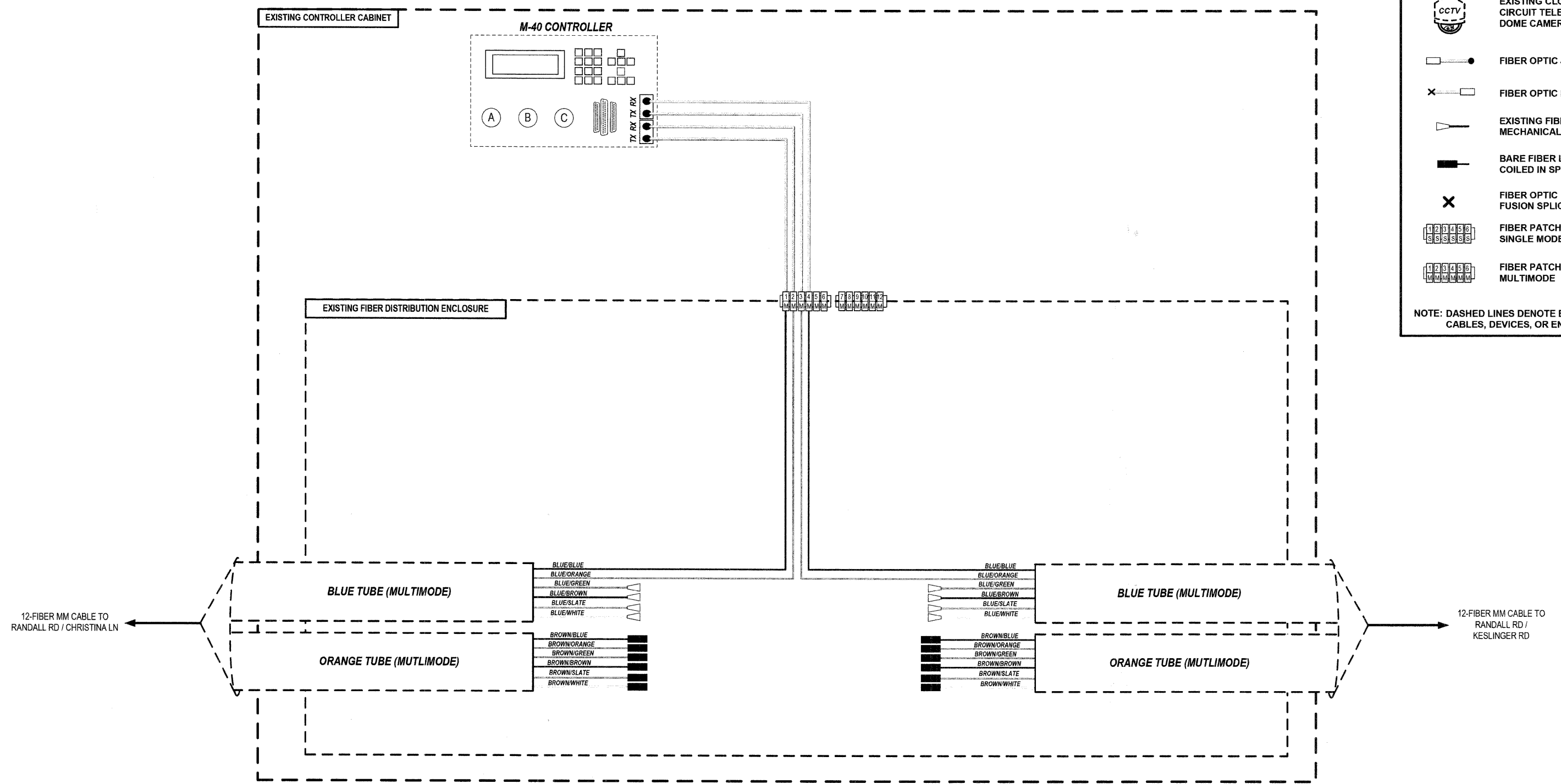
FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 20 OF 22) RANDALL ROAD / CHRISTINA LANE	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED YOUNGJAE JU	REVISED -			336	07-00366-00-TL	KANE	43	40	
		DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 HNTB CORPORATION  
 111 N. CANAL STREET  
 CHICAGO, IL 60606  
 (312) 900-9119  
**HNTB**  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE  
 SUSPENDED  
 PLOTTED  
 GRADES CHECKED  
 B.M. NOTED  
 STRUCTURE NOTATIONS CHECKED  
 NOTE BOOK NO. \_\_\_\_\_

**KEY**

-  PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
-  EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
-  FIBER OPTIC JUMPER
-  FIBER OPTIC PIGTAIL
-  EXISTING FIBER MECHANICAL CONNECTOR
-  BARE FIBER LEFT COILED IN SPLICE TRAY
-  FIBER OPTIC FUSION SPLICE
-  FIBER PATCH PANEL SINGLE MODE
-  FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

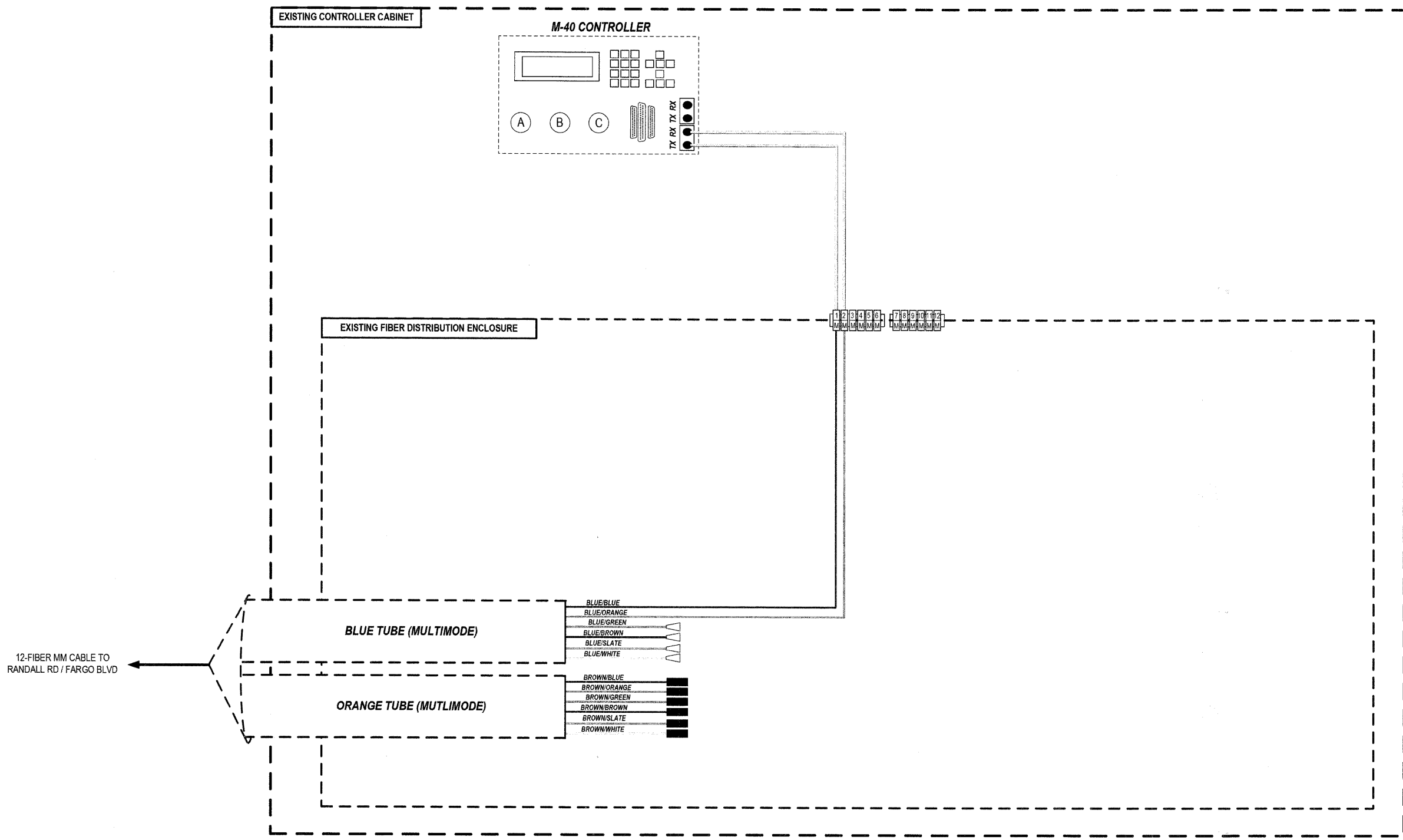


**NO WORK PERFORMED AT THIS INTERSECTION.  
 FOR INFORMATION ONLY.**

- NOTES**
1. CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  2. IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 21 OF 22) RANDALL ROAD / FARGO BOULEVARD	RTE. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 41
PLOT SCALE =	DATE 2/20/2009	CHECKED YOUNGJAE JU	REVISED -					CONTRACT NO. 63128		
PLOT DATE =	DATE 2/20/2009	DRAWN JOSH ZVOLANEK	REVISED -					ILLINOIS FED. AID PROJECT		

DATE	BY	DATE	BY
SURVIVED		SURVIVED	
ALIGNMENT CHECKED		ALIGNMENT CHECKED	
NOT OF WAY CHECKED		NOT OF WAY CHECKED	
PAD FILE NAME		PAD FILE NAME	
NO.		NO.	
PLAN		PLAN	
NOTE BOOK NO.		NOTE BOOK NO.	
NO.		NO.	
HNTB CORPORATION		HNTB CORPORATION	
111 N. CANAL STREET		111 N. CANAL STREET	
CHICAGO, IL 60606		CHICAGO, IL 60606	
(312) 883-9119		(312) 883-9119	
HNTB		HNTB	
SURVIVED		SURVIVED	
GRADES CHECKED		GRADES CHECKED	
B.M. NOTED		B.M. NOTED	
STRUCTURE NOTING CHRG		STRUCTURE NOTING CHRG	
NO.		NO.	
PROFILE		PROFILE	
NOTE BOOK NO.		NOTE BOOK NO.	
NO.		NO.	



**KEY**

- PROPOSED CLOSED CIRCUIT TELEVISION DOME CAMERA
- EXISTING CLOSED CIRCUIT TELEVISION DOME CAMERA
- FIBER OPTIC JUMPER
- FIBER OPTIC PIGTAIL
- EXISTING FIBER MECHANICAL CONNECTOR
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL SINGLE MODE
- FIBER PATCH PANEL MULTIMODE

NOTE: DASHED LINES DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**NO WORK PERFORMED AT THIS INTERSECTION.  
FOR INFORMATION ONLY.**

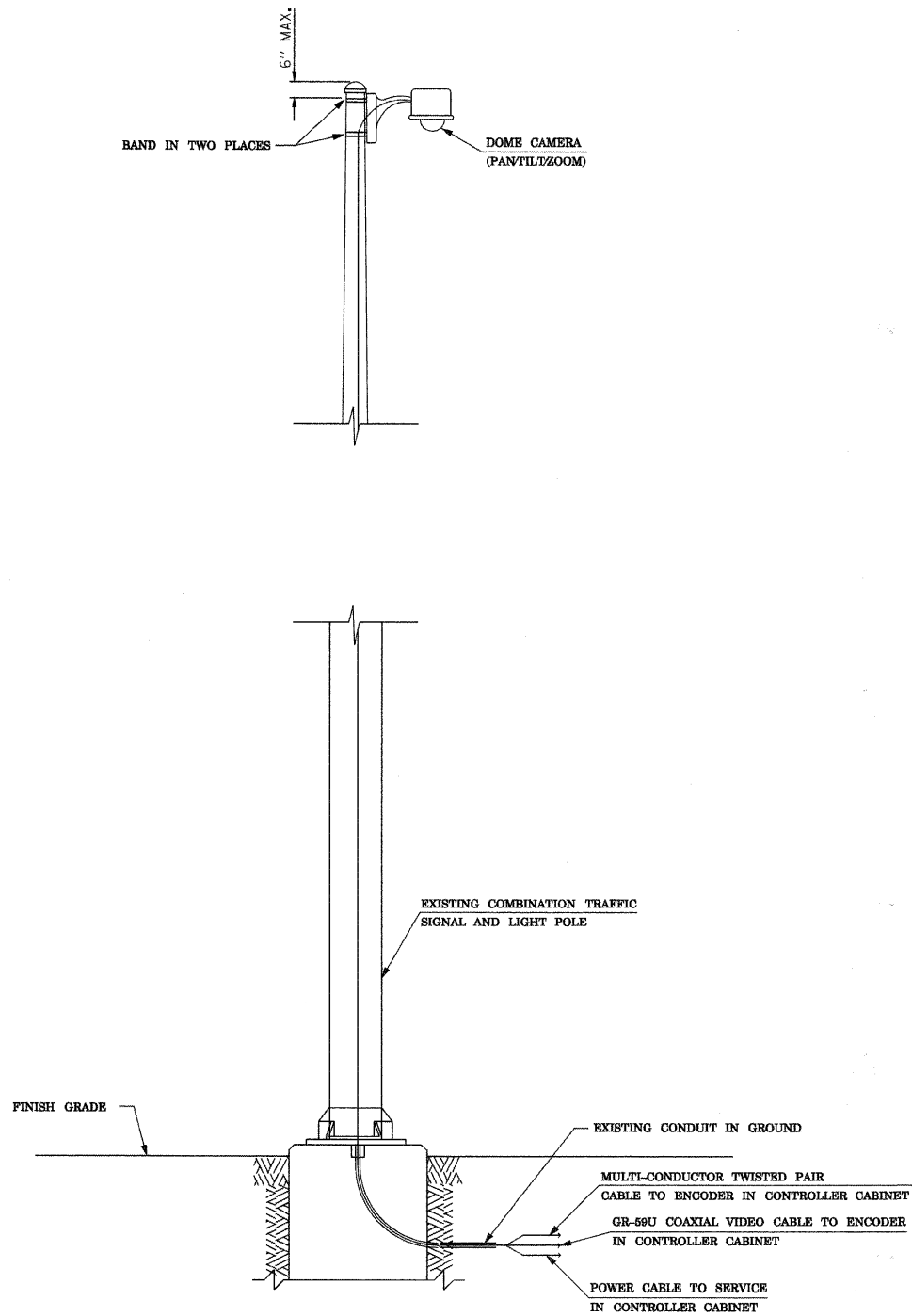
- NOTES**
- CONTRACTOR TO VERIFY EXISTING FIBER TUBE CONFIGURATIONS IN THE FIELD.
  - IF TUBE ASSIGNMENTS FOR MM/SM DIFFER FROM PLANS THEN ENGINEER TO PROVIDE SPLICE ASSIGNMENTS IN THE FIELD.

FILE NAME =	USER NAME =	DESIGNED JOSH ZVOLANEK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER SPLICING AND CONNECTION DETAIL (PAGE 22 OF 22) RANDALL ROAD / KESLINGER ROAD	RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DRAWN JOSH ZVOLANEK	REVISED -			CONTRACT NO. 63128					
		DATE 2/20/2009	REVISED -			SCALE: _____					
						ILLINOIS		FED. AID PROJECT			

DATE	BY	REVISIONS	PLAN	DATE	BY
DATE	BY	REVISIONS	PLAN	DATE	BY
DATE	BY	REVISIONS	PLAN	DATE	BY
DATE	BY	REVISIONS	PLAN	DATE	BY
DATE	BY	REVISIONS	PLAN	DATE	BY

HNTB

HNTB CORPORATION  
111 N. CANAL STREET  
SUITE 1250  
CHICAGO, IL 60606  
312.530.3119



**CCTV (PTZ) CAMERA WIRING AND MOUNTING DETAIL**  
(NOT TO SCALE)

FILE NAME = **DGN SPEC**	USER NAME = jzvolanek	DESIGNED JOSH ZVOLANEK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CCTV CAMERA INSTALLATION DETAILS</b>	F.A. RTE. 336	SECTION 07-00366-00-TL	COUNTY KANE	TOTAL SHEETS 43	SHEET NO. 43	
	PLOT SCALE =	CHECKED YOUNGJAE JU	REVISED -			SCALE:	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 63128	
	PLOT DATE = 11-FEB-2009	DRAWN JOSH ZVOLANEK	REVISED -								
		DATE 2/20/2009	REVISED -								