



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: PS-1600884
Date Issued: 03/31/2016
Start Date: 04/04/2016
Exp. Date: 05/01/2016
Project No: PWP7110005
Quad: SW
Extended To: 06/15/2016

ENCROACHMENT PERMIT

To: LEVEL 3 COMMUNICATIONS
5000 HOLLIS ST
EMERYVILLE CA 94608

RIDER # 1
Date 5-27-2016

Encroachment Type:

Bore (up to 12 inch Dia)			
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Location:

SCHULET W/O CALIFORNIA AQUEDUCT

In compliance with your request of 03/31/2016, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD

FORMS: SS/WW, R-29

Est. Permit Fee: \$896.00

WHITE -Permittee
GOLDENROD -PWD Central File
YELLOW -Field Inspection
PINK -Permit Section

KRIS BALAJI, Director
Department of Public Works

By: 
Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:

STREETS AND HIGHWAYS CODE-

1. Division 1, Chapter 3
2. Division 2, Chapter 2, Section 942
3. Division 2, Chapter 4, Section 1126
4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 3/7/16

To: San Joaquin County
Department of Public Works

Level3 Communications (Rob Hadley)
(Applicant Name)

5000 Hollis St.
(Mailing Address)

Emeryville, CA 94608
(City, State, Zip Code)

(925) 383-6326
(Area Code - Telephone Number)

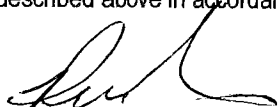
OFFICE USE ONLY			
JOB #	<u>110005</u>	REF #	
APN		CR #	
EXP. DATE	<u>5-1-16</u>		
VALID	<u>4-4-16</u>	TO	<u>5-1-16</u>
STREET	<u>Schulte Rd</u>		DRIVEWAYS:
AREA	<u>Tracy</u>	QUAD	<u>SW</u>
TYPE	<u>Bore</u>		*
FORMS	<u>SSWW R29</u>		*
NOTES			*

Sketch (Detailed plans may be submitted)
See attached plan set.

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the North/South side of W. Shulte Rd. approximately 425 Lf feet/mile of Safeway Distribution Center Driveway, by performing the following work (description of work):
Place by directional bore, (3) 1.25" HDPE conduits in San Joaquin County ROW crossing
W. Shulte Rd. at Safeway Distribution Plant for fiber optic service.

Work will commence on or about 4/4/16 for approximately 3 days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.


ENGINEER/AGENT
Signature of Applicant - Title

3/7/16

Date

GENERAL PROVISIONS

GOVERNING INSTALLATION OF SUBSURFACE STRUCTURES AND PIPELINES WITHIN COUNTY ROAD RIGHTS-OF-WAY

PUBLIC CONVENIENCE AND SAFETY:

- A. Before obstructing any private driveway entrance or County road traveled way with a trench, spoil bank, equipment or other barrier permitted for any prolonged period of time, the Permittee shall notify the known users of the respective thoroughfare(s) involved, and shall provide access for vehicular and pedestrian traffic to and from the road.
 - 1. Unless otherwise permitted, all work shall be conducted in such a manner that no less than one lane of the existing County road traveled way will be maintained open to public traffic during working hours in a smooth and safe riding condition(s). Two lanes shall be open after working hours.
 - 2. In cases where road closure is permitted, the permission to close the road will be granted under the condition that the Permittee notify the following persons and/or agencies of the time, the period of closure, and the detour route at least twenty-four (24) hours prior to said road closure.
 - a. The County of San Joaquin Public Works Department
 - b. The County of San Joaquin Sheriff's Office
 - c. The local postal service
 - d. The local fire district
 - e. The local school district
 - f. The local residents involved
- B. Should hazardous conditions relative to the installation operations warrant flagmen, as many capable flagmen as may be necessary shall be provided by the Permittee and stationed in advance of work to warn and direct traffic.
- C. Lights, signs and barricades shall be furnished, erected and maintained by the Permittee for the adequate warning and convenience of the public, with particular attention to be taken in this regard after dark.
- D. Any excess dirt and/or debris which might be a hazard to either automobile or pedestrian traffic, uncontrollable by lights, signs and barricades, shall be removed from the jobsite daily.

STRUCTURES:

- A. Walls of structures shall be such quality and strength that they will resist all pressures and will not crack or be deformed in such a way as to create a hazard or maintenance problem at any time. Therefore, the minimum structural requirements for concrete pipe placed under county road rights-of-way shall conform to the following American Association of State Highway and Transportation Officials (AASHTO) designations.
 - 1. For concrete pipe up to and including thirty-three inches (33") inside diameter, extra strength concrete conforming to AASHTO Designation M 170M.
 - 2. For concrete pipe thirty-six inches (36") inside diameter and larger, reinforced concrete pipe conforming to AASHTO Designation M 170M Class III.
 - 3. Plastic pipe conforming to AASHTO Designation M294.
- B. All concrete pipe joints with County road rights-of-way shall be sealed against leakage and/or infiltration with rubber gasket in conformance with Section 65-1.06 of the California Standard Specifications, or with other methods as may be permitted under the Special Provisions.
- C. Cast-in-place concrete pipe, vitrified clay pipe, spiral welded steel pipe, or corrugated aluminum alloy pipe shall not be installed within the County road rights-of-way unless specifically so stated in the Special Provisions, and only under the conditions as provided.
- D. All structures to be buried within the County rights-of-way shall be set at such elevations as to allow minimum coverage of thirty inches (30") to the centerline of the roadways and twelve inches (12") at the bottoms of borrow ditches each side of the roadways. The depths of structures shall be established below a flat plane extending across the rights-of-way, no part of which shall extend above the elevations stated above; manholes, lampholes, valves, etc. not included. Future surface elevations shall be anticipated as nearly as possible and structure elevations shall be established for future adjustments accordingly.
- E. The County hereby reserves the right to specify in the Special Provisions the gage and surface treatment of any galvanized corrugated metal pipe that is to be installed.
- F. All longitudinal utility facilities are to be established (and dimensioned on sketches) from surveyed centerline of road right-of-way, not from right-of-way (border) lines.

REPAIRS OF THE COUNTY RIGHT-OF-WAY:

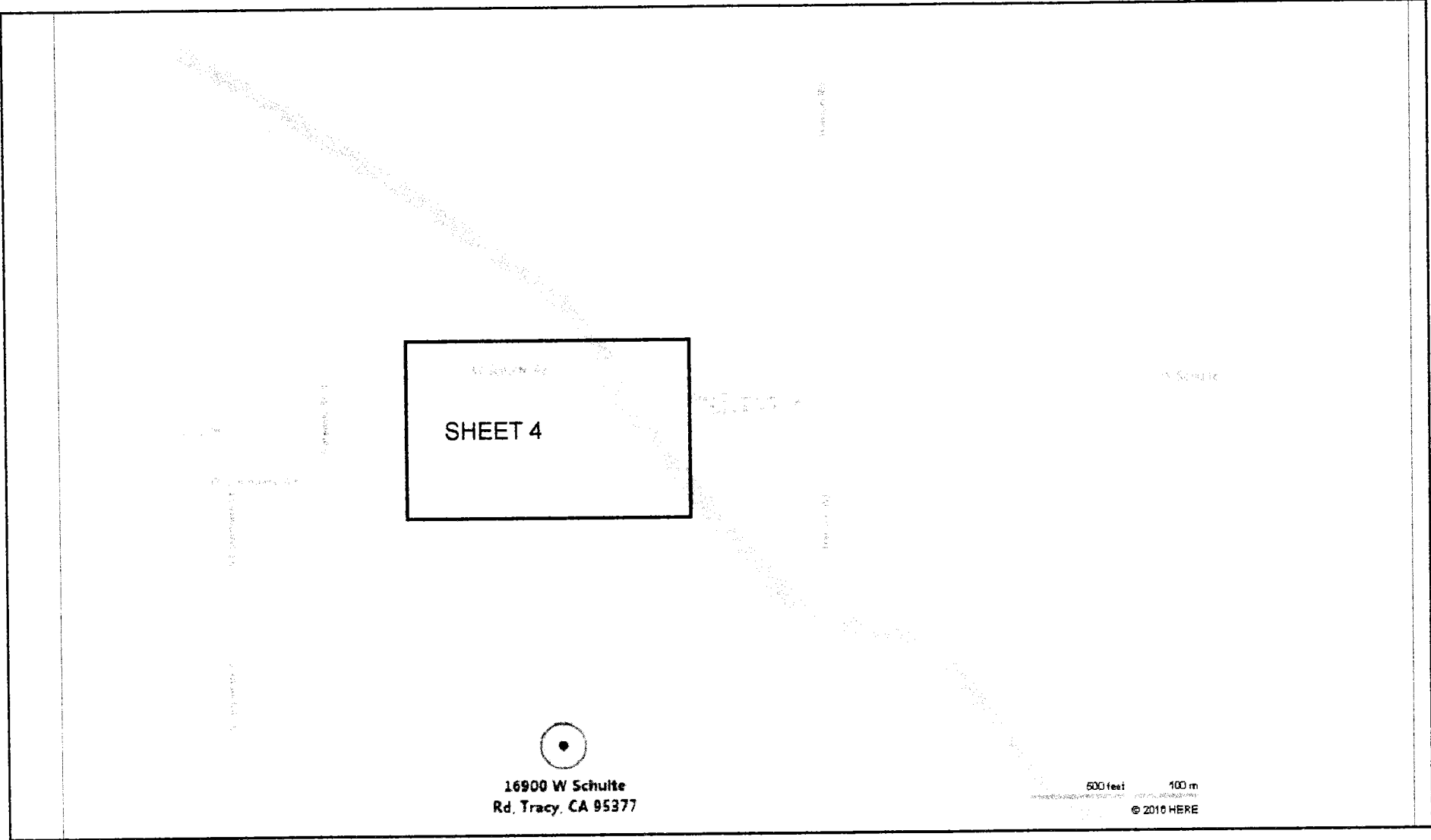
- A. All excavations shall be backfilled and compacted immediately after work therein has been completed.
- B. Trenched shall not be left open farther than 300 feet in advance of pipe laying operations, or 200 feet to the rear thereof, unless otherwise permitted by the Engineer.
- C. Unless otherwise permitted under the Special Provisions, backfill shall be placed and mechanically compacted in such a manner that the relative compaction throughout the entire fill within the County road right-of-way shall conform to the percentages of compaction as shown on the Trench detail.
- D. Backfill material shall be placed in horizontal uniform layers not to exceed in thickness, before compaction, 0.67 foot in the bedding region, one foot where 90% compaction is required, and two feet where 80% compaction is required.
- E. No portion of the excavation(s) shall be compacted by ponding or jetting unless a maintenance bond is provided.
- F. Gravel backfill material shall be utilized only where specifically so stated on the face of the permit. It shall be compacted by means of a high-frequency internal vibrator, the compactor to be a size and type approved by the Engineer. Points of compaction shall not be greater than 18" centers and to the full depth of the lift.
- G. All pavements, curbs, gutters, sidewalks, borrow ditches, pipes, head walls, road signs, trees, shrubbery, and/or other permanent road facilities impaired by or as a result of construction operations at the construction site(s) occupied by materials and/or equipment, shall be restored immediately upon backfilling of the excavation to the original grades and cross sections, and to a condition as good as, or better than existing prior to construction.
- H. All surfacing materials of roadways and driveway approaches cut or damaged by or as a result of construction operations, shall be replaced within ONE WEEK following the backfilling of excavation, weather permitting, with compacted layers of surfacing materials at least as thick as the existing, and no less than two inches (2") of asphalt concrete over six inches (6") of aggregate base, both as specified below.
 - 1. Asphalt Concrete: Combined mineral aggregate shall conform to the quality and gradation requirements for Type "B" one-half inch (1/2") maximum aggregate, coarse or medium gradation as specified in Section 39 of the California Standard Specifications. The bituminous binder to be mixed with mineral aggregate shall be paving asphalt having (Grade PG 64-10), unless otherwise directed by the Engineer. Placement of asphalt concrete surfacing shall conform to the applicable provisions of Section 39 of the California Standard Specifications.
 - 2. Aggregate Base: Combined mineral aggregates shall conform to the quality and the grading for three-quarter inch (3/4") maximum size aggregate Class 2 Aggregate Base specified in Section 26 of the California Standard Specifications.
- I. Before acceptance of repairs to the County road rights-of-way, all unsightly and detrimental dirt, dust and/or debris shall be removed and the construction areas left in a neat and presentable condition(s).
 - 1. If necessary, County road traveled way and driveway pavements shall be washed with water to remove dirt and dust.
 - 2. Driveway approaches and field entrance pavements damaged by equipment or spoil banks shall be repaired as directed by the Engineer.
- J. Upon request by the County, any settlement, sagging of surface, or cracking of pavement shall be repaired immediately by and at the sole expense of the Permittee for a period of one year following acceptance of the work.

SPECIAL PROVISIONS

Winter Weather Utility Work

1. **SUPERVISION:** The utility company (permittee) shall furnish full-time supervision of all work to insure compliance with the permit provision.
2. **START OF WORK:** No work within the County right-of-way shall be started until the utility company representative has made an evaluation of weather conditions and has determined the work can be accomplished under the provisions of the permit.
3. **CLEAN PAVEMENT:** Dirt and mud shall not be deposited on the pavement outside the area of work, and if inadvertently tracked onto the road travel way shall be removed immediately.
4. **DAILY RESTORATION:** Private driveways and road intersections shall be restored daily.
5. **WEATHER-TIGHT CONDITIONS:** All trenches shall be filled and compacted, ditches and other drainage facilities regarded and opened, and the entire work area restored to weather-tight condition prior to any rain.

ADDRESS: 16900 W. Schulte Road, Tracy, Ca. 95377
PROJECT NAME: Safeway Fiber Optic Service Connection



SITE LOCATION
SAN JOAQUIN
COUNTY



CONTACTS

CONTACT INFO

LEVEL(3)
CLEC/APPLICANT
ROB HADLEY
(925) 383-6326
robert.hadley@level3.com

MTC, INC.
ENGINEERING FIRM
PETE MAYBERRY
(916) 799-4245
pmayberry@mtcengineers.com

SAFEWAY
ALEX JAFFERS
(510) 246-2115
alex.jaffers@safeway.com

SITE INDEX

- 1 - COVER SHEET/SITE LOCATION
- 2 - LEGEND
- 3 - GENERAL NOTES
- 4 - CONSTRUCTION SHEET
- 5 - CONSTRUCTION DETAILS
- 6 - TYPICAL TRAFFIC CONTROL
- 7 - TYPICAL TRAFFIC CONTROL

SCOPE OF WORK:

Project description:

FROM EXISTING LEVEL3 HH#1, DIRECTIONAL BORE AND
PLACE (3) 1.25" HDPE CONDUIT TO NEW LEVEL3
HH#2. PLACE NEW 30"x48" LEVEL3 HANDHOLE#2.
PLACE BY DIRECTIONAL BORE (1) 2" HDPE CONDUIT
FROM NEW LEVEL3 HANDHOLE #2 TO PRIVATE
PROPERTY.

MTC, INC.

Mayberry Telecom Consultants, Inc.

3				AS-BUILT
2				REVISION # 1
1	3/5/16	PNM	CC	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
Level(3) COMMUNICATIONS				
LEVEL 3 ENGINEER: Rob Hadley				
ENGINEERING FIRM: MAYBERRY TELECOM CONSULTANTS, INC.				
PROJECT NUMBER: N244389				
LOCATION: 16900 W. Schulte Road, Tracy Ca 95377 Safeway				
DRAWING NAME: LVL3 - 16900 W. Schulte Rd., San Joaquin County, Permit Plans.dwg				
CONFIDENTIAL/PROPRIETARY				SHEET: 1 OF 7

LEGEND

LINETYPES

	UG FIBER - EXISTING
	UG FIBER - PROPOSED
	AERIAL FIBER - EXISTING
	AERIAL FIBER - PROPOSED
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	FENCE
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	RIGHT OF WAY
	EDGE OF PAVEMENT

SYMBOL	DESCRIPTION
ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
STA.	STATION

	RISER
	TELEPHONE
	POWER VAULT
	CATCH BASIN/INLET
	FIRE HYDRANT
	GROUND/BOND
	STREET LIGHT
	TREE
	CULVERT
	WING WALL
	BRIDGE
	MISC. UTILITY
	UTILITY POLE - EXISTING
	POLE - PROPOSED

	HANDHOLE - EXISTING
	HANDHOLE - PROPOSED
	MANHOLE - EXISTING
	MANHOLE - PROPOSED
	PULLBOX - EXISTING
	PULLBOX - PROPOSED

	VAULT - EXISTING
	VAULT - PROPOSED
	AERIAL STORAGE - EXISTING
	AERIAL STORAGE - PROPOSED
	VAULT/BUILDING STORAGE - EXISTING
	VAULT/BUILDING STORAGE - PROPOSED
	POLE ANCHOR/DOWN GUY - EXISTING
	POLE ANCHOR/DOWN GUY - PROPOSED
	PROPOSED DOWN GUY ON EXISTING ANCHOR

	TERMINATION - EXISTING
	TERMINATION - PROPOSED
	BUILDING CALLOUT - PROPOSED

	SPLICE POINT - EXISTING
	SPLICE POINT - PROPOSED
	SEQUENTIAL CALLOUT
	SEQUENTIAL IN TAIL CALLOUT
	SEQUENTIAL TAIL OUT CALLOUT

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT - EXISTING
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

POLE NO	N/A
UTILITY1	0'-0"

POLE ATTACHMENT CALLOUT - PROPOSED
USE DYNAMIC PULL DOWN TO SELECT
FROM 1 TO 6 ATTACHMENTS

1	CABLE FIBERS: FIBERS CABLE OWNER: LEVEL 3 CABLE LENGTH: LENGTH NOTES:
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CABLE SPAN CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)

1	CABLE FIBERS: FIBERS CABLE OWNER: LEVEL 3 CABLE LENGTH: LENGTH NOTES:
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CABLE SPAN CALLOUT - PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50X)

1	CONDUIT OWNER: LEVEL 3 CONDUIT LENGTH: LENGTH CONDUIT QTY: CONDUITS CONDUIT SIZE: SIZE CONDUIT TYPE: TYPE INNER DUCT QTY: INNERDUCTS INNER DUCT SIZE: SIZE INNER DUCT TYPE: TYPE NOTES:
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CONDUIT CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)
WITH OR WITHOUT INNER DUCT INFO

1	CONDUIT OWNER: LEVEL 3 CONDUIT LENGTH: LENGTH CONDUIT QTY: CONDUITS CONDUIT SIZE: SIZE CONDUIT TYPE: TYPE INNER DUCT QTY: INNERDUCTS INNER DUCT SIZE: SIZE INNER DUCT TYPE: TYPE NOTES:
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CONDUIT CALLOUT - PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50X)
WITH OR WITHOUT INNER DUCT INFO

1	STRAND TYPE: TYPE STRAND LENGTH: LENGTH NOTES:
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STRAND CALLOUT - EXISTING
FOR USE ON PAPER SPACE (SHOWN AT 50X)

1	STRAND TYPE: TYPE STRAND LENGTH: LENGTH NOTES:
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STRAND CALLOUT - PROPOSED
FOR USE ON PAPER SPACE (SHOWN AT 50X)

MTC, INC.
Mayberry Telecom Consultants, Inc.



3				AS-BUILT
2				REVISION # 1
1	3/5/16	PNM	CC	ORIGINAL
NO	DATE	ENG DESIGN	DRAFTING	COMMENT
Level(3) CORPORATIONS				
LEVEL 3 ENGINEER: Rob Hadley				
ENGINEERING FIRM: MAYBERRY TELECOM CONSULTANTS, INC.				
PROJECT NUMBER: N244389				
LOCATION: 16900 W. Schulte Road, Tracy Ca 95377 Safeway				
DRAWING NAME: LVL3 - 16900 W. Schulte Rd., San Joaquin County, Permit Plans.dwg				
CONFIDENTIAL/PROPRIETARY				SHEET: 2 OF 7

GENERAL NOTES

1. Contractor must obtain locates prior to disturbing the ground.
2. Contractor must have a copy of the approved permit from the appropriate agency on the jobsite at all times.
3. All cable will be placed at standard minimum depth. (Level 3 standard is 36" deep unless otherwise directed by a Level 3 representative.)
4. Any landscaping will be replaced to equal or better than that which existed prior to work.
5. Project site will be properly secured prior to the end of each day.
6. All work is to be in accordance with all authorities having jurisdiction in the work zone.
7. Contractors are advised to contact Level 3 for any additional information or clarification concerning scope of work or the requirements necessary for project completion.
8. Contractor is responsible to field verify all dimensions, quantities and existing conditions prior to construction. If a significant change to the running line is needed, please contact your Level 3 representative before proceeding.
9. Before construction begins, contractor shall take appropriate precautions to avoid any potential obstructions prior to proceeding with work.
10. No construction on private property will commence until approval is given by the appropriate Level 3 employee.
11. Contractor shall not proceed with work until they have received a Purchase Order and have been directed to do so by an authorized Level 3 representative.
12. Contractor shall not exceed the Purchase Order value without authorization in writing from the appropriate Level 3 representative.
13. As-Builts will be required for each project including cable footage sequentials at every access point, slack loop, splice location, pole and termination point. Contractor should also provide notes of all changes in depths, running lines, mh/hh locations, and any other applicable notes to depict the work that took place. NOTE: All major changes need to be pre-approved by an authorized Level 3 employee prior to starting the work.
- 14.

MTC, INC.
Mayberry Telecom Consultants, Inc.

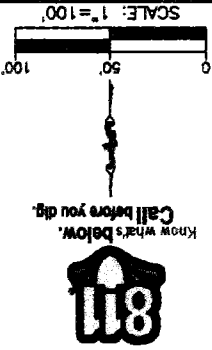


Know what's below.
Call before you dig.

3				AS-BUILT
2				REVISION # 1
1	3/5/16	PNM	CC	ORIGINAL
NO.	DATE	ENG	DESIGN	DRAFTING
				COMMENT
Level(3) COMMUNICATIONS				
LEVEL 3 ENGINEER: Rob Hadley				
ENGINEERING FIRM: MAYBERRY TELECOM CONSULTANTS, INC.				
PROJECT NUMBER: N244389				
LOCATION: 16900 W. Schulte Road, Tracy Ca 95377				
Safeway				
DRAWING NAME: LVL3 - 16900 W. Schulte Rd., San Joaquin County, Permit Plans.dwg				
CONFIDENTIAL/PROPRIETARY				
SHEET: 3 OF 7				

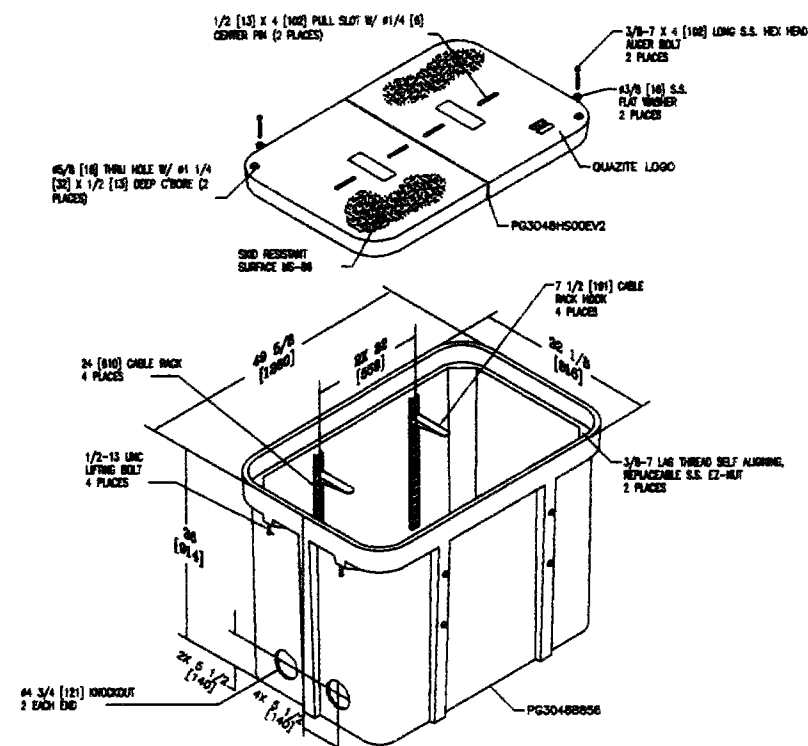
Unit Code & Description			Estimated Quantity	Actual Quantity
UGB-30530	- Directional Bore up to 1500'; 1 HDPE conduit up to 2"	FOOT	536	
UGB-30550	- Directional Bore up to 1500'; 3 HDPE conduits up to 2" (on one reel)	FOOT	425	
UGB-30830	- Place Locate Wire in Existing Conduit	FOOT	981	
UGB-30960	- Place up to 288 count FOC in conduit up to 1500'	FOOT	1121	
UGB-31270	- Place New - 30"x48"x36" - Non-concrete Manhole / Handhole	EACH	1	
UGB-31580	- Expose existing Handhole / Manhole up to 36" of depth	EACH	1	
UGB-31610	- Core Bore MH/HH: 4" Outside Diameter	EACH	1	
UGB-32050	- Permit Acquisition (Pick-up/Pay for Tracy Permit)	EACH	2	
UGB-32070	- Traffic Control	DAY	1275	
MAT-90070	- Conduit: 1 1/4" HDPE SDR-11	FOOT	536	
MAT-90090	- Conduit: 2" HDPE SDR-11	FOOT	536	

MAT-90760	- Conduit Plug: 1-1/4" Blank jackoon equivalent	EACH	4
MAT-90770	- Conduit Plug: 1-1/4" with Cable Simplex Plug jackoon equivalent	EACH	2
MAT-90790	- Conduit Plug: 2" with Cable Simplex Plug jackoon equivalent	EACH	1
MAT-90970	- Tier 15 30"x48"x36" - w/ knock-outs and racking - Including Cover	EACH	1
MAT-91980	- Locate wire #12 AWG - solid copper with insulated jacket	FOOT	1121



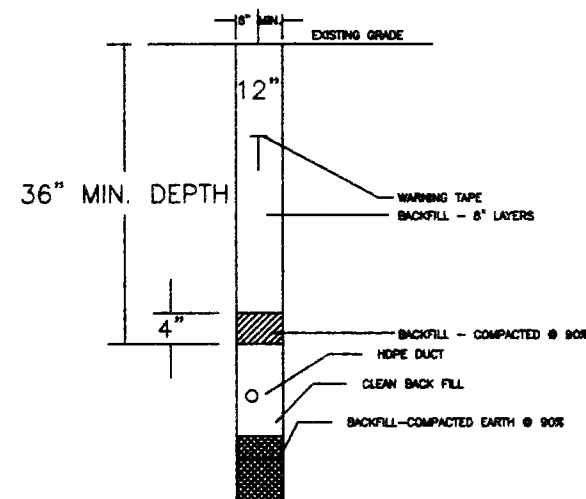
3	AS-BUILT				
2	REVISION # 1				
1	ORIGINAL				
REVISION # 1					
COMMENT					
DRAFTING					
ENG DESIGN					
PMM					
DATE					
3/5/16					
NO.					
1					
3/5/16					
DATE					
3/5/16					
DATE					
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DETAILS

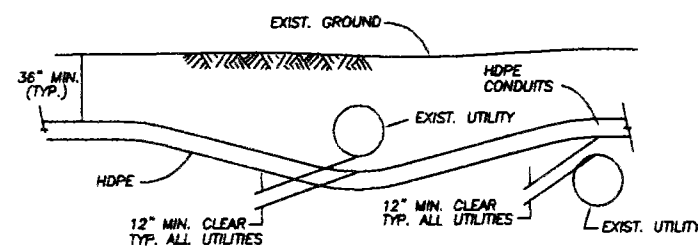


TYPICAL DETAIL - #1

QUAZITE 30X48X36 ASSEMBLY
W/(4) 24" CABLE RACKS
& (4) 7 1/2" HOOKS
PG3048Z987EV2



TYPICAL DETAIL - #3
TRENCH IN SOIL (NON TRAFFIC AREAS)



TYPICAL UTILITY CROSSING DETAIL
N.T.S.

MTC, INC.
Mayberry Telecom Consultants, Inc.

3				AS-BUILT
2				REVISION # 1
1	3/5/16	PNM	CC	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
Level(3) COMMUNICATIONS				
LEVEL 3 ENGINEER: Rob Hadley				
ENGINEERING FIRM: MAYBERRY TELECOM CONSULTANTS, INC.				
PROJECT NUMBER: N244389				
LOCATION: 18900 W. Schulte Road, Tracy Ca 95377				
Safeway				
DRAWING NAME: LVL3 - 18900 W. Schulte Rd., San Joaquin County, Permit Plans.dwg				
CONFIDENTIAL/PROPRIETARY				

TYPICALS

- TABLE 6C-1 -
RECOMMENDED ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS*		
	A	B	C
URBAN (LOW SPEED) - 25 MPH OR LESS	100 FEET	100 FEET	100 FEET
URBAN (HIGH SPEED) - MORE THAN 25 MPH TO 40 MPH	250 FEET	250 FEET	250 FEET
URBAN (HIGH SPEED) - MORE THAN 40 MPH	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY / FREEWAY	1,000 FEET	1,500 FEET	2,640 FEET

** THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS SHOWN IN FIGURES 6H-1 THROUGH 6H-46. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TTC ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)

REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART "6C-1"

WORK HOURS

9:00AM TO 3:30PM

MAINTAIN 2-WAY TRAFFIC AT ALL TIMES (ONE LANE EACH DIRECTION)

- TABLE 6C-3 -

SPEED* S (mph)	MINIMUM TAPER LENGTH** FOR WIDTH OF OFFSET 12FT (W)			
	MERGING L (ft)	SHIFTING L/2 (ft)	SHOULDER L/3 (ft)	DOWN STREAM (ft)
20	80	40	27	100
25	125	63	42	100
30	180	90	60	100
35	245	123	82	100
40	320	160	107	100
45	540	270	180	100
50	600	300	200	100
55	660	330	220	100
60	720	360	240	100
65	780	390	260	100
70	840	420	280	100

*POSTED SPEED, OFF-PEAK 85TH PERCENTILE SPEED PRIOR TO WORK STARTING OR THE ANTICIPATED OPERATING SPEED.

**FOR OTHER OFFSETS USE THE FOLLOWING MERGING TAPER LENGTH FORMULA FOR L:
FOR SPEEDS OF 85 KMH (40 MPH) OR LESS, $L=WSS/1.55$ ($L=WSS/80$)
FOR SPEEDS OF 70 KMH (45 MPH) OR LESS, $L=WSS/1.6$ ($L=WSS$)
ON STATE HIGHWAYS USE TRAFFIC CONTROL SYSTEMS IN THE CALTRANS STANDARD PLANS.

BICYCLE CONSIDERATIONS:

1. A TRAVEL ROUTE THAT REPLICATES THE MOST DESIRABLE CHARACTERISTICS OF A WIDE PAVED SHOULDER OR BIKEWAY THROUGH OR AROUND THE TRAFFIC CONTROL ZONE IS DESIRABLE FOR BICYCLISTS.

2. IF THE TRAFFIC CONTROL ZONE INTERRUPTS THE CONTINUITY OF AN EXISTING BIKEWAY SYSTEM, SIGNS DIRECTING BICYCLISTS THROUGH OR AROUND THE ZONE AND BACK TO THE BIKEWAY IS DESIRABLE.

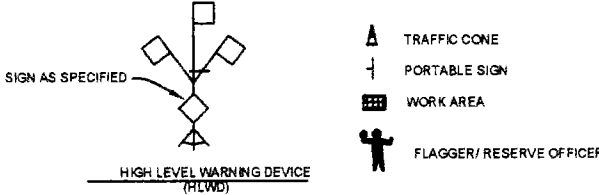
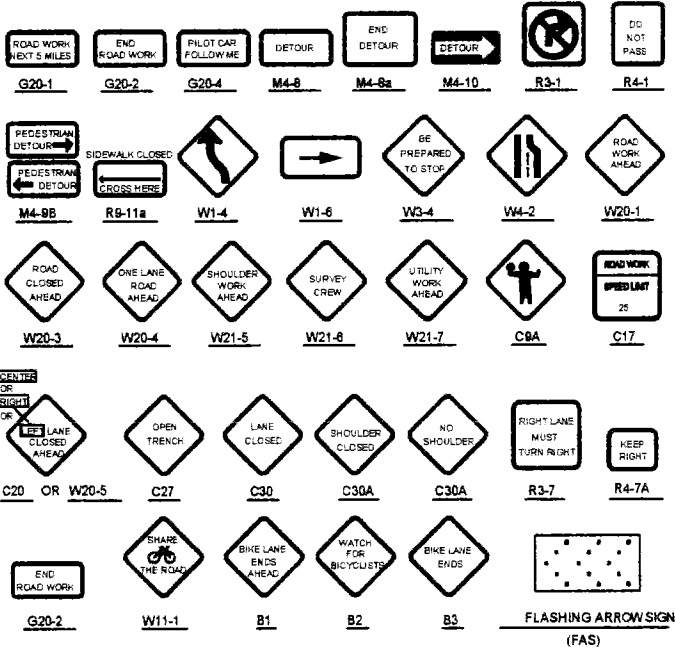
3. UNLESS A SEPARATE BIKE PATH THROUGH OR AROUND THE TRAFFIC CONTROL ZONE IS PROHIBITED, ADEQUATE ROADWAY LANE WIDTH TO ALLOW BICYCLISTS AND MOTOR VEHICLES TO TRAVEL SIDE BY SIDE THROUGH OR AROUND THE WORK ZONE IS DESIRABLE.

4. BICYCLISTS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH MAINLINE TRAFFIC. WORK SITE VEHICLES, OR EQUIPMENT MOVING THROUGH OR AROUND THE TRAFFIC CONTROL ZONE.

5. THE B1 AND B3 SIGNS DO NOT NEED TO BE USED IF A 4' WIDTH BIKE LANE CAN BE PROVIDED AS SHOWN BELOW.

TYPICALS AREA 1

CALIFORNIA CURRENT UNIFORM SIGN CHART



- TABLE 6E-1 -

STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED

SPEED*	DISTANCE
20 MPH	115 FEET
25 MPH	155 FEET
30 MPH	200 FEET
35 MPH	250 FEET
40 MPH	305 FEET
45 MPH	360 FEET
50 MPH	425 FEET
55 MPH	495 FEET
60 MPH	570 FEET
65 MPH	645 FEET
70 MPH	730 FEET
75 MPH	820 FEET

*POSTED SPEED, OFF-PEAK 85TH PERCENTILE SPEED PRIOR TO WORK STARTING OR THE ANTICIPATED OPERATING SPEED.

CAN ALSO BE USED AS STOPPING SIGHT DISTANCE AS SUGGESTED
BUFFER SPACE LENGTH OR LOCATION FOR FLAGGER STATION
LONGITUDINAL BUFFER SPACE OR FLAGGER STATION SPACING FOR DOWNGRADES

- TABLE 6E-101 -

SPEED (mph)	% DOWNGRADE (BUFFER SPACE)		
	-3% (feet)	-6% (feet)	-9% (feet)
20	116	120	126
25	158	165	173
30	205	215	227
35	257	271	287
40	315	333	354
45	378	400	427
50	446	474	507
55	520	553	593
60	598	638	686
65	682	728	785
70	771	825	891

TRAFFIC CONTROL PLANS ARE APPROXIMATE, CONSTRUCTION CONTRACTOR ASSUMES ALL RESONSIBILITY FOR TRAFFIC CONTROL SET UP PER STATE, COUNTY, AND LOCAL MUNI CODES, AND ASSUMES ALL LIABILITY IN REGARDS TO PEDESTRIAN AND VEHICLE TRAFFIC SAFETY.

3				AS-BUILT
2				REVISION # 1
1	3/5/16	PNW	CC	ORIGINAL
NO.	DATE	ENG. DESIGN	DRAFTING	COMMENT
Level(3) CONSULTANTS				
LEVEL 3 ENGINEER: Rob Hadley				
ENGINEERING FIRM: MAYBERRY TELECOM CONSULTANTS, INC.				
PROJECT NUMBER: N244386				
LOCATION: 16900 W. Schulte Road, Tracy Ca 95377				
Safeway				
DRAWING NAME: LV/L3 - 16900 W. Schulte Rd., San Joaquin County, Permit Plans.dwg				
CONFIDENTIAL/PROPRIETARY				
				SHEET: 6 OF 7

TYPICALS

REQUIREMENTS/STANDARDS

*CURRENT CALIF MUTCD

LANE CLOSURE

COMPLY WITH CURRENT EDITION
OF THE CA MUTCD, PART 6

*SIGN SPACING:

SEE CHART *6C-1*

WORK HOURS

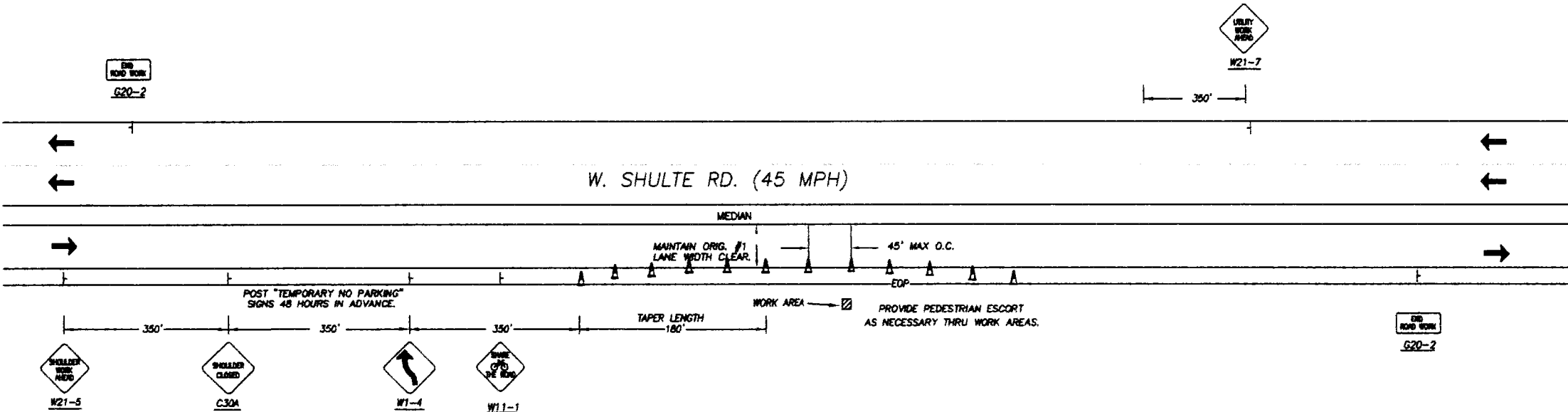
9:00AM TO 3:30PM

**DELINEATOR SPACING:

SPACING OF CHANNELIZING DEVICES SHOULD NOT EXCEED A
DISTANCE IN FEET EQUAL TO THE SPEED WHEN USED FOR THE
TAPER CHANNELIZATION, AND A DISTANCE IN FEET OF TWICE
THE SPEED WHEN USED FOR TANGENT CHANNELIZATION.

TRAFFIC CONTROL LOCATIONS ARE DETERMINED
BY VAULT AND CONSTRUCTION LOCATIONS.

MAINTAIN PEDESTRIAN AND DISABLED
ACCESS AT ALL TIMES!



TRAFFIC CONTROL PLANS ARE APPROXIMATE, CONSTRUCTION
CONTRACTOR ASSUMES ALL RESONSIBILITY FOR TRAFFIC CONTROL SET
UP PER STATE, COUNTY, AND LOCAL MUNI CODES, AND ASSUMES ALL
LIABILITY IN REGARDS TO PEDESTRIAN AND VEHICLE TRAFFIC SAFETY.

3				AS-BUILT
2				REVISION # 1
1	3/5/16	PNM	CC	ORIGINAL
NO.	DATE	ENG DESIGN	DRAFTING	COMMENT
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CONFIDENTIAL/PROPRIETARY				
SHEET: 7 OF 7				